MAD

NOVEMBER 2021

PROJECT ID: 5400-00-72
WITH: 5400-00-73/74

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 408

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C MADISON, S BLAIR ST/JOHN NOLEN DR

WILSON/WILLIAMSON ST INTERSECTION

USH 151

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5400-00-72	WISC 2022046	1

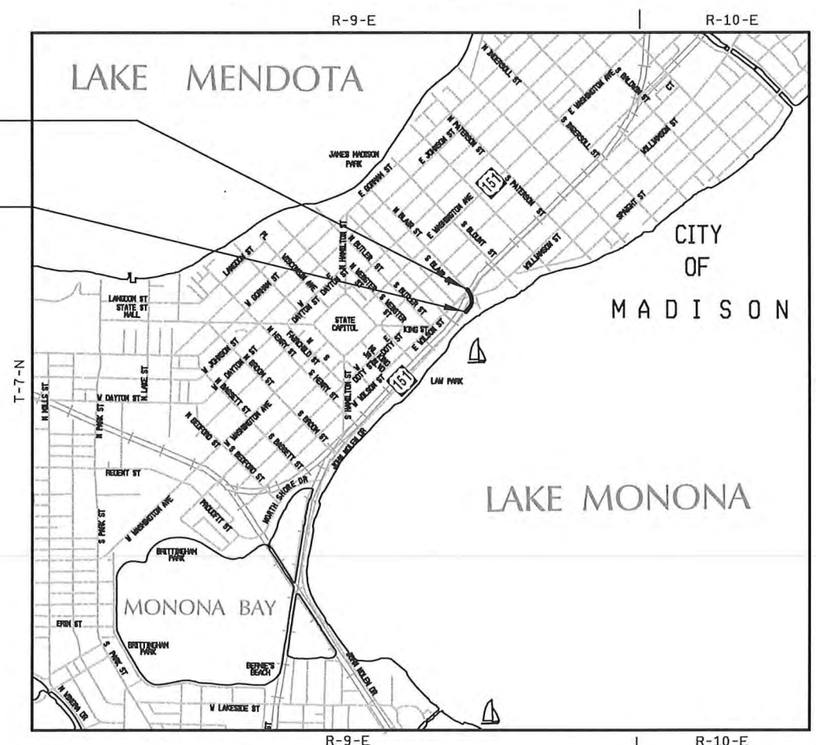
STATE PROJECT NUMBER
5400-00-72





END PROJECT
STA. 50+39.35

BEGIN PROJECT
STA. 43+62.36
Y = 482,931.90
X = 823,216.46



DESIGN DESIGNATION		USH 151 (JOHN NOLEN DR.)	USH 151 (S. BLAIR ST.)
A.A.D.T.	(2022)	= 42,100	= 25,200
A.A.D.T.	(2042)	= 45,000	= 26,800
D.H.V.		= 4,680	= 2,980
D.D.		= 59/41	= 59/41
T.		= 8.3%	= 10.4%
DESIGN SPEED		= 25 MPH	= 25 MPH
ESALS		= 10,000,000	= 7,900,000

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
- 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

LAYOUT
SCALE 0 0.25 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.128 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (1991).

STREET LIGHTING/TRAFFIC SIGNALS
DESIGNED BY: CITY OF MADISON

WISCONSIN
GRETCHEN M AVILES PINEIRO
E-47473
MADISON WI
PROFESSIONAL ENGINEER
7/14/2021

ACCEPTED FOR THE CITY OF MADISON
DATE: 7/19/21
CITY ENGINEER

ORIGINAL PLANS PREPARED BY:

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843

WISCONSIN
ERIC D. HANSON
E-38350
MADISON, WI
PROFESSIONAL ENGINEER
7-27-21

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	JAMIE GRAINGER, P.E.
Regional Examiner	SOUTHWEST REGION
Regional Supervisor	TODD MATHESON, P.E.
C.O. Examiner	

APPROVED FOR THE DEPARTMENT
DATE: 7/14/21 Jamie Grainger (Signature)

E

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

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

PROTECT EXISTING STREET TREES. TREES OR SHRUBS ARE NOT TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK, MATCH EXISTING CONCRETE, ASPHALT OR STRUCTURES (WALLS, BUILDINGS, ETC. THAT ARE CONSTRUCTED TO THE PROPERTY LINE) BEHIND THE SIDEWALK. WHERE TURF EXISTS BEHIND THE SIDEWALK, KEEP DISTANCE TO WITHIN 6 INCHES OF THE SIDEWALK AND RESTORE WITH TOPSOIL AND SEED. REPLACE SIDEWALK AS SHOWN IN THE PLAN AND AS REQUIRED FOR SANITARY LATERAL CONSTRUCTION. IF A SINGLE SECTION OF SIDEWALK REMAINS AS A RESULT OF REPLACING THE SQUARES ON EACH SIDE OF IT, REPLACE THE SINGLE REMAINING SECTION.

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

ASPHALTIC PAVING TABLES

9.5-INCH HMA (USH 151 & SIDE ROAD MATCHES)		
	THICKNESS	MIX TYPE
UPPER LAYER	2.5"	4 HT 58-28 H
MIDDLE LAYER	3.5"	3 HT 58-28 S
LOWER LAYER	3.5"	3 HT 58-28 S

6.5-INCH HMA (SIDE ROADS)		
	THICKNESS	MIX TYPE
UPPER LAYER	2"	4 HT 58-28 H
MIDDLE LAYER	2.25"	3 HT 58-28 S
LOWER LAYER	2.25"	3 HT 58-28 S

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR STREET LIGHTING AND PERMANENT TRAFFIC SIGNAL COMPONENTS PROVIDED BY CITY OF MADISON.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR REMAINING ITEMS PROVIDED BY STRAND ASSOCIATES, INC.

UTILITIES

ATC MANAGEMENT, INC. - ELECTRICITY
ATTENTION: JEFF VANDERWERFF
W234 N2000 RIDGEVIEW PKWY CT.
WAUKESHA, WI 53188
CELL: (262) 206-4966

AT&T LEGACY - COMMUNICATION
ATTENTION: KENNETH M. NINE
110 N. MAIN STREET
CULVER, IN 46511
(574) 842-8830
CELL: (574) 904-6336
E-MAIL: knine@jmcealnc.com

AT&T WISCONSIN - COMMUNICATION
ATTENTION: CAROL ANASON
316 W. WASHINGTON AVE.
MADISON, WI 53701
(608) 622-2079
E-MAIL: ca2624@att.com

CHARTER COMMUNICATIONS - COMMUNICATION
ATTENTION: JON MARSCHKE
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822
CELL: (608) 225-2479
E-MAIL: jon.marschke@charter.com

CITY OF MADISON - COMMUNICATION
ATTENTION: MICHAEL BENZSCHAWEL
MADISON MUNICIPAL BUILDING, SUITE 109
215 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53701
(608) 266-9031
E-MAIL: MBenzschawel@cityofmadison.com

CITY OF MADISON - SANITARY SEWER
ATTENTION: MARK MODER, P.E.
210 MARTIN LUTHER KING JR. BLVD., ROOM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: mmoder@cityofmadison.com

DIVISION OF ENTERPRISE TECHNOLOGY
ATTENTION: TODD PALMER
5830 FEMRITE DR.
MADISON, WI 53718
(608) 224-4010
E-MAIL: todda.palmer@wisconsin.gov

LUMEN (aka CENTURYLINK; LEVEL 3) - COMMUNICATION
ATTENTION: JASON BUSSE
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
(414) 224-6713
CELL: (715) 405-3214
E-MAIL: Jason.Busse@lumen.com

MADISON GAS AND ELECTRIC - ELECTRIC
ATTENTION: MARK BOHM
133 S. BLAIR STREET
MADISON, WI 53788
(608) 252-4730
CELL: (608) 516-7930
E-MAIL: mbohm@mge.com

MADISON GAS AND ELECTRIC - GAS/PETROLEUM
ATTENTION: ROGER AHLES
623 RAILROAD STREET
MADISON, WI 53701
(608) 252-5682
E-MAIL: rahles@mge.com

MADISON METROPOLITAN SEWERAGE DISTRICT - SANITARY SEWER
ATTENTION: RAY SCHNEIDER
1610 MOORLAND ROAD
MADISON, WI 53713
(608) 222-1201 EXT. 259
CELL: (608) 347-3628
E-MAIL: rays@madsewer.com

MADISON WATER UTILITY - WATER
ATTENTION: PETE HOLMGREN
119 EAST OLIN AVENUE
MADISON, WI 53713-1431
(608) 266-5530
CELL: (608) 215-0225
E-MAIL: pholmgren@cityofmadison.com

MCI - COMMUNICATION
ATTENTION: RANDOLPH J. CICATELLO, JR.
15725 WEST RYERSON ROAD
NEW BERLIN, WI 53151
(262) 782-9836
E-MAIL: randy.cicatello@verizon.com

MIDWEST FIBER NETWORKS - COMMUNICATION
ATTENTION: CORY SCHMUKI
6070 N. FLINT ROAD
GLENDALE, WI 53209
(414) 459-3561
CELL: (414) 349-2764
E-MAIL: cschmuki@midwestfibernetworks.com

PAETEC (aka WINDSTREAM KDL)
ATTENTION: LORI KETTER
314 N. DANZ AVE.
GREEN BAY, WI 54302
(414) 274-9215
CELL: (920) 410-6902
E-MAIL: Lori.Ketter@windstream.com

U.S. SIGNAL - COMMUNICATION
ATTENTION: ROB FISHER
7020 SOUTHBELT DRIVE SE
CALEDONIA, MI 49316
(616) 988-5319
CELL: (616) 862-7102
E-MAIL: rfisher@tkns.net

WIN TECHNOLOGY - COMMUNICATION
ATTENTION: TODD ELLICKSON
4955 BULLIS FARM ROAD
EAU CLAIRE, WI 54701
(715) 832-3750
CELL: (608) 852-4072
E-MAIL: todd.ellickson@wintechnology.com

OTHER CONTACTS

DIVISION OF FACILITIES AND TRANSPORTATION SERVICES
ATTENTION: CHAD BLIEFERNICHT
201 EAST WASHINGTON AVENUE,
DOA BUILDING OFFICE
MADISON, WI 53703
(608) 266-2119
CELL: (608) 219-7308
E-MAIL: Chad/Bliefernicht@wisconsin.gov

WISDOT - COMMUNICATION
ATTENTION: JEFF MADSON
STE. 300
433 W. ST. PAUL AVE.
MILWAUKEE, WI 53203-3007
(414) 225-3723
E-MAIL: Jeffrey.Madson@dot.wi.gov

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

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
EROSION CONTROL
STORM SEWER
SIGN REMOVAL DETAILS
PERMANENT SIGNING
RAILROAD EQUIPMENT LOCATIONS
STREET LIGHT PLAN
TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
-LEGEND AND NOTES
-CONSTRUCTION STAGING DETAILS
-PEDESTRIAN ROUTING OVERVIEWS
-ADVANCED WARNING SIGNING
-CONSTRUCTION STAGING SHEETS
-ALTERNATE ROUTE SIGNING
ALIGNMENT AND CONTROL POINT DATA

CITY OF MADISON CONTACT

JIM WOLFE, P.E.
210 MARTIN LUTHER KING JR. BLVD., RM 115
MADISON, WI 53703
(608) 266-4099
E-MAIL: jwolfe@cityofmadison.com

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

DNR LIAISON

ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

RAILROAD CONTACT

ROGER SCHAALMA
WISCONSIN & SOUTHERN RAILROAD
1890 E. JOHNSON STREET
MADISON, WI 53704
(608) 620-2044
E-MAIL: rschaalma@watcocompanies.com

WISDOT CONTACT

JAMIE GRAINGER, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT ST.
MADISON, WI 53704
(608) 206-7829
E-MAIL: Jamie.Grainger@dot.wi.gov

2

2

S. HANCOCK ST.

S. FRANKLIN ST.

CITY

OF

MADISON

USH 151 (S. BLAIR ST.)

END PROJECT
STA. 50+39.35

E. WILSON ST.

WISCONSIN & SOUTHERN RAILROAD

BEGIN PROJECT
STA. 43+62.36

'SB' LINE

USH 151 (JOHN NOLEN DR.)

'A' LINE

S-13-566

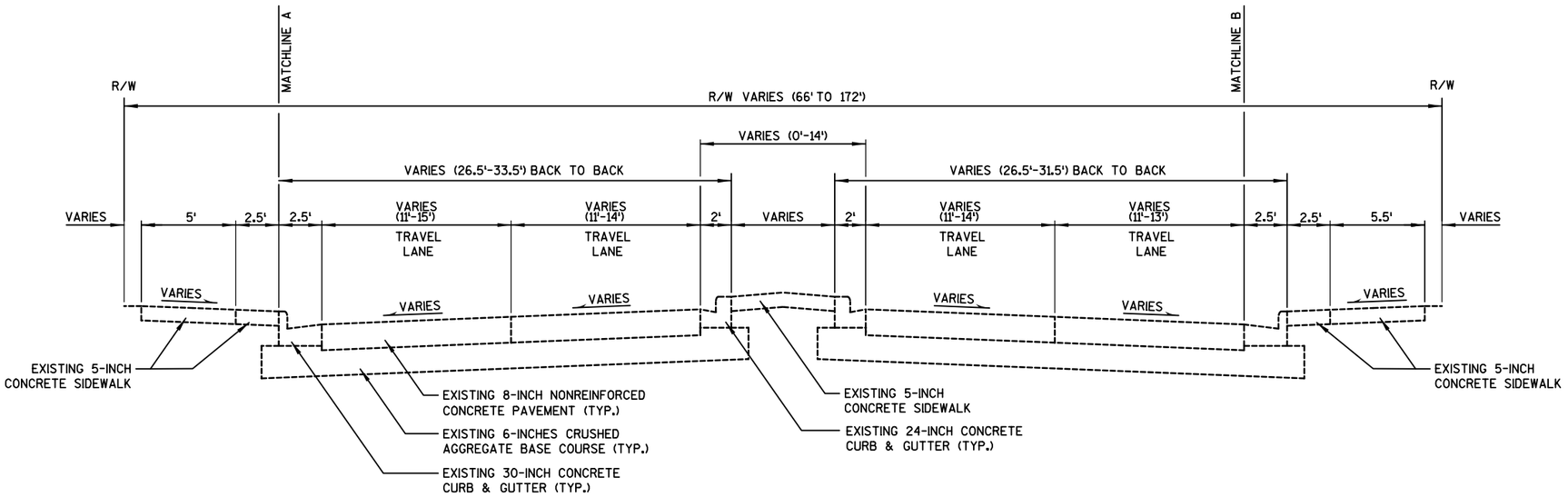
LAW PARK

LAKE MONONA

WILLIAMSON ST.

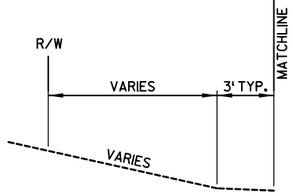
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

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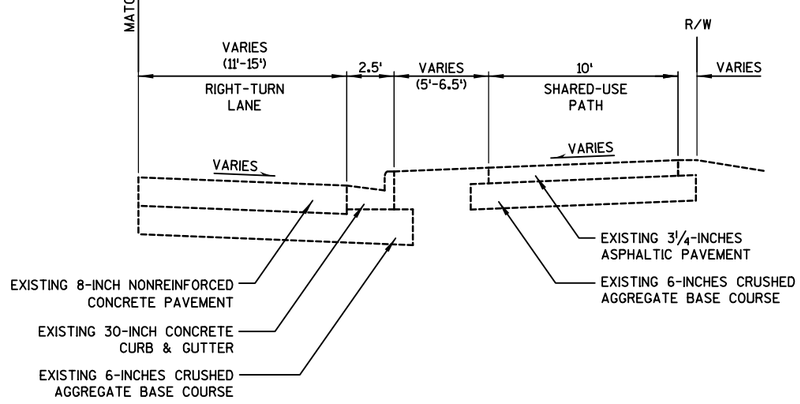


TYPICAL EXISTING SECTION - USH 151

STA. 43+62.36 - STA. 50+39.35

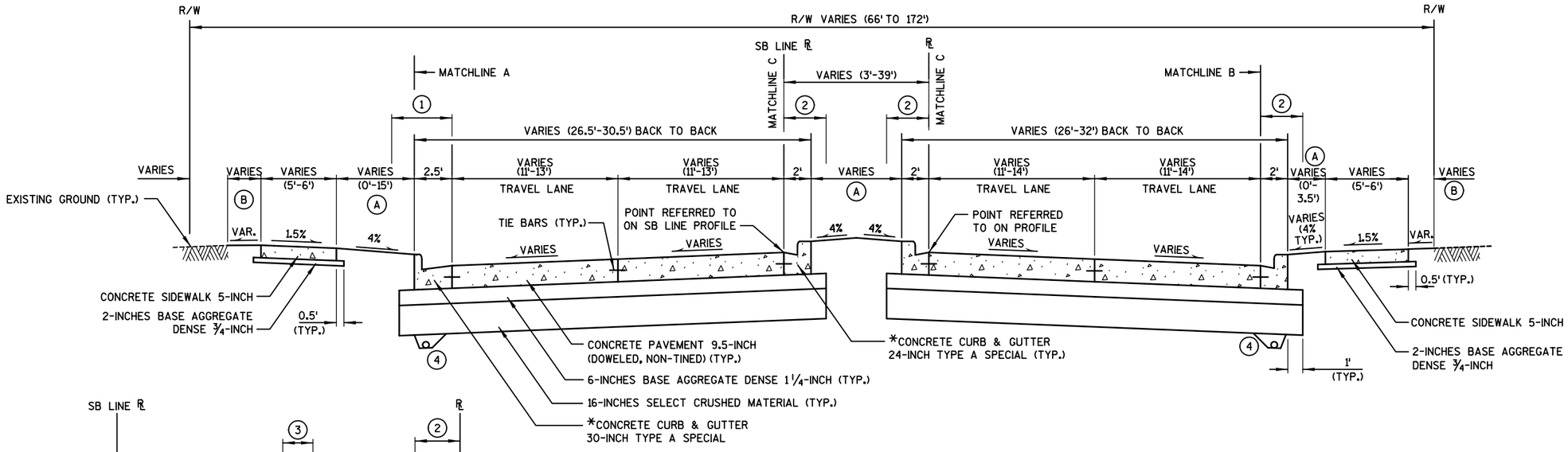


STA. 43+62.36 - STA. 48+50



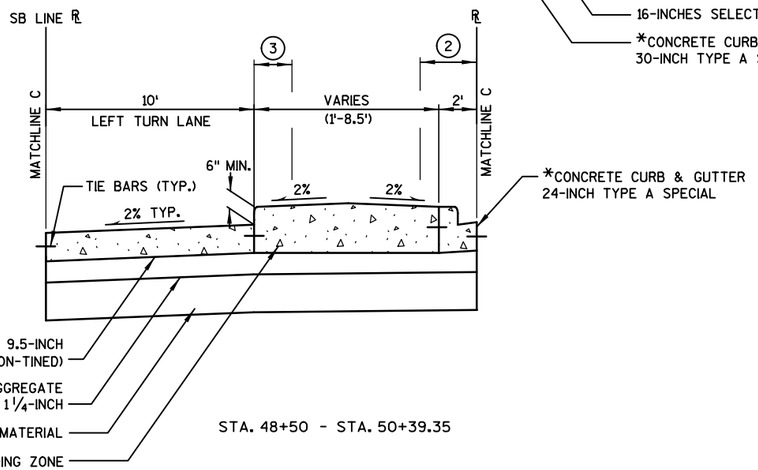
STA. 43+62.36 - STA. 48+50

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TYPICAL EXISTING SECTION	SHEET 4	E

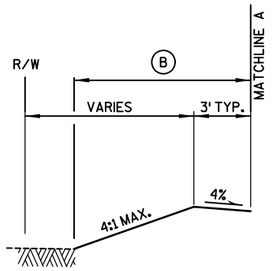


TYPICAL FINISHED SECTION - USH 151

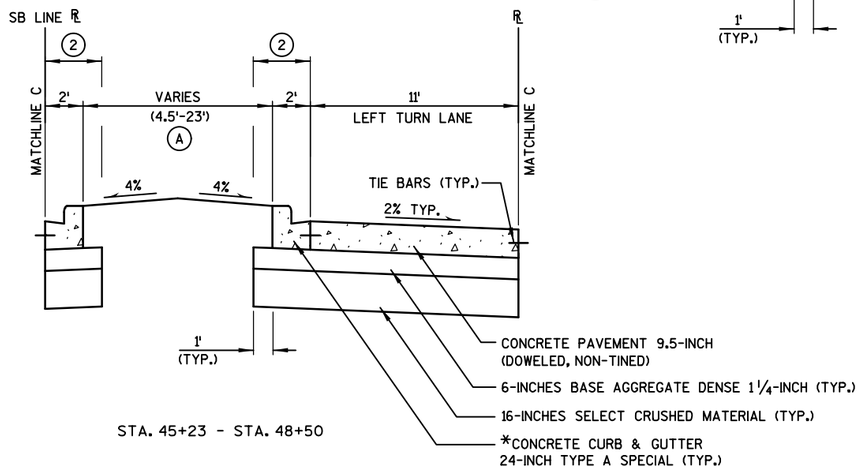
STA. 43+62.36 - STA. 50+39.35



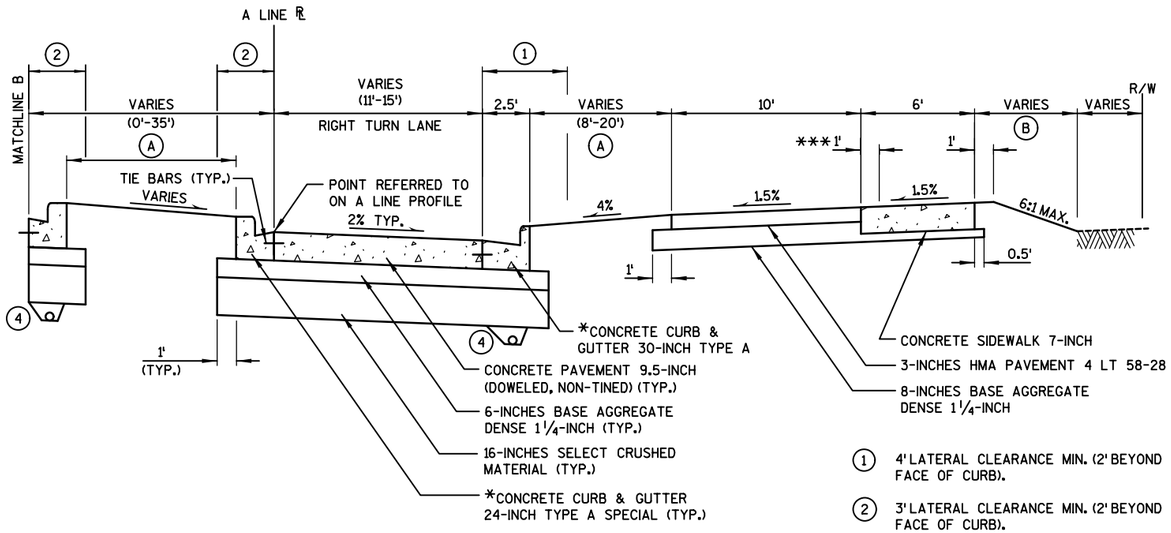
STA. 48+50 - STA. 50+39.35



STA. 43+62.36 - STA. 48+50



STA. 45+23 - STA. 48+50



STA. 43+62.36 - STA. 48+50

*GUTTER THICKNESS SHALL MATCH ADJACENT CONCRETE PAVEMENT THICKNESS

**6-INCHES TOPSOIL MIN.

***SEE BIKE PATH WITH SIDEWALK JOINTING CONSTRUCTION DETAIL

(1) 4' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(2) 3' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(3) 2' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(4) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITONAL INFORMATION.

**(A) TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

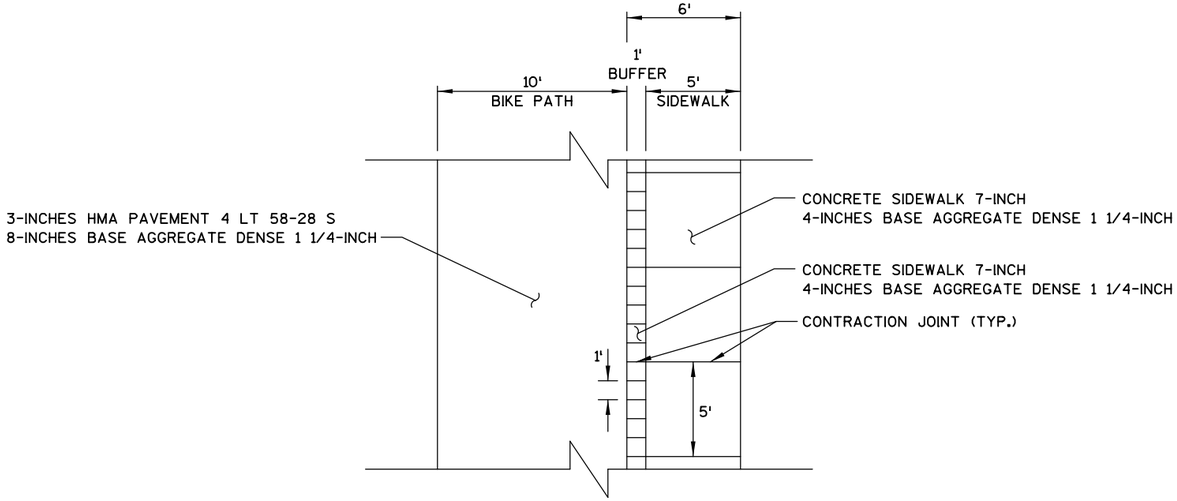
**(B) TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 40; AND EROSION MAT URBAN CLASS I TYPE A.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TYPICAL FINISHED SECTIONS	SHEET 5	E

RUNOFF COEFFICIENT TABLE

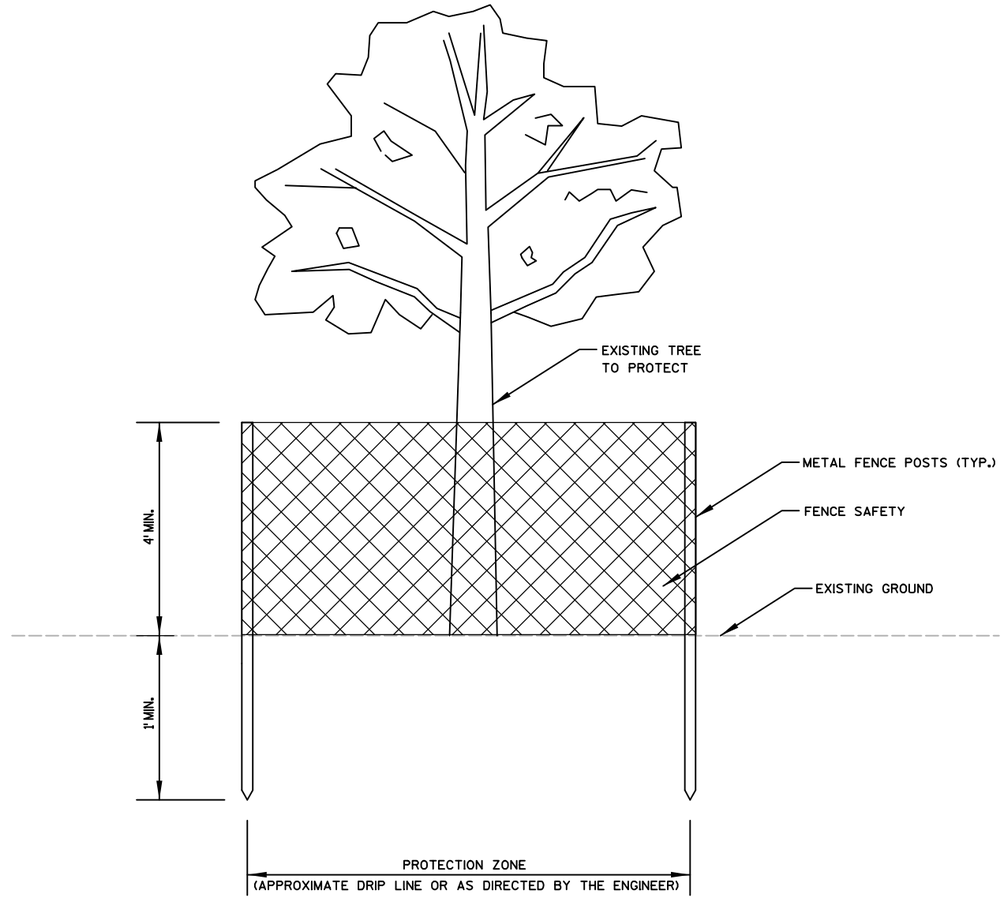
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .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 = 3.3 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.5 ACRES

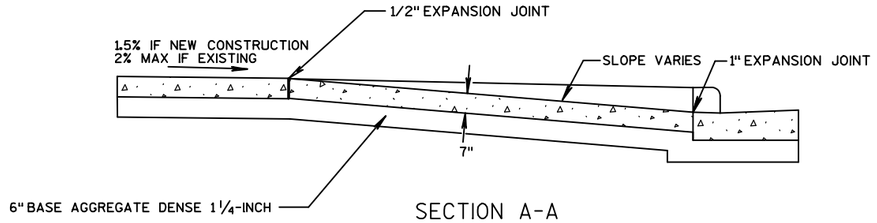


BIKE PATH WITH SIDEWALK JOINTING DETAIL

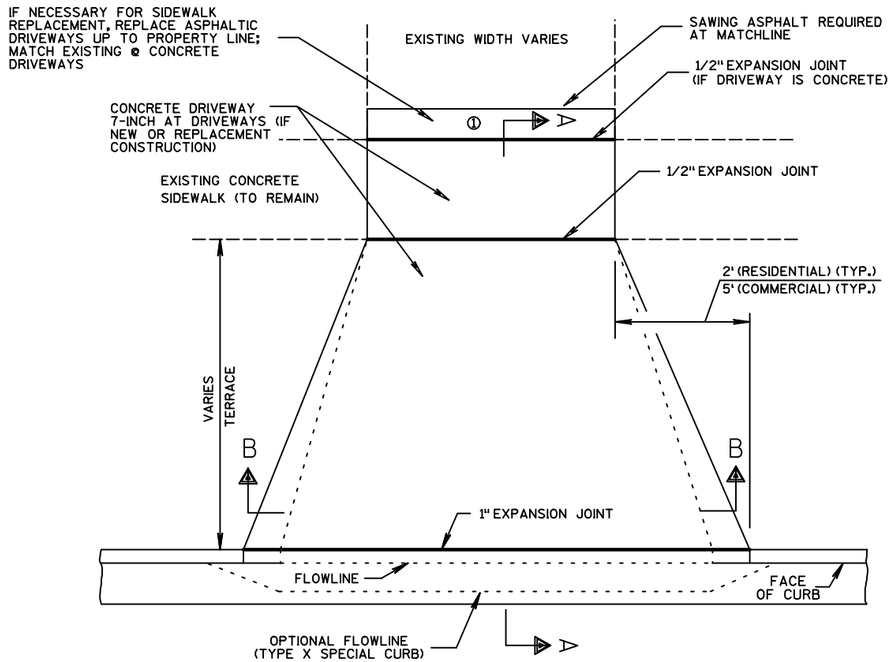
JOHN NOLEN DRIVE, RT
EAST WILSON STREET, RT

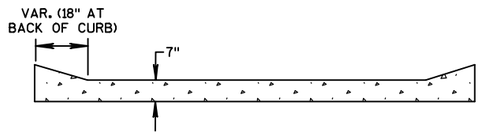


TREE PROTECTION DETAIL



SECTION A-A



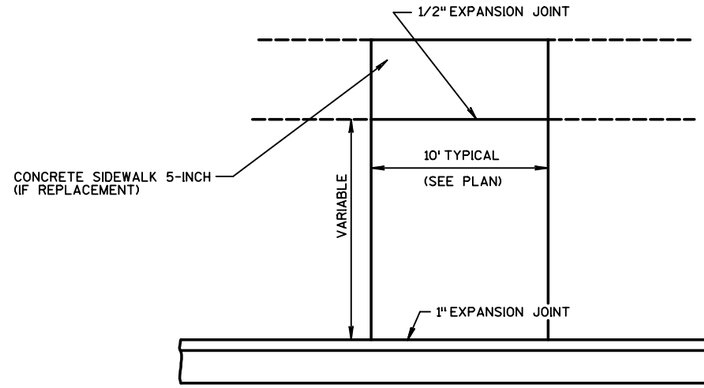


SECTION B-B

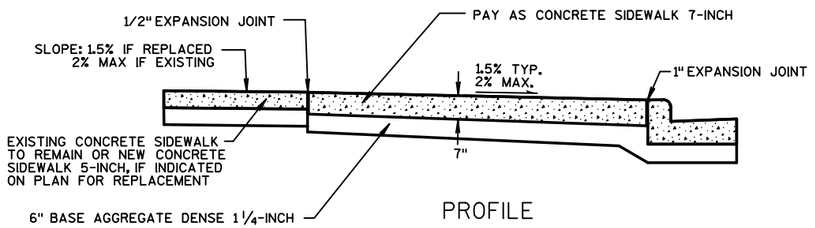
① FOR ASPHALT DRIVEWAYS PLACE 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

FOR CONCRETE DRIVEWAYS PLACE CONCRETE DRIVEWAY 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH.

CONCRETE DRIVE APRON DETAIL



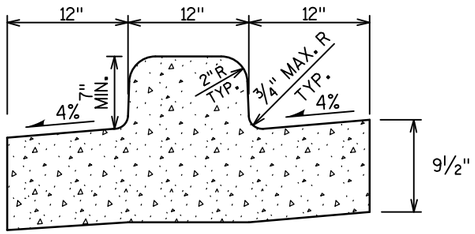
PLAN



PROFILE

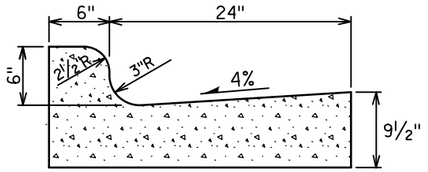
BUS BOARDING PAD DETAIL

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 7	E

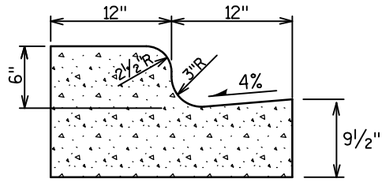


CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A

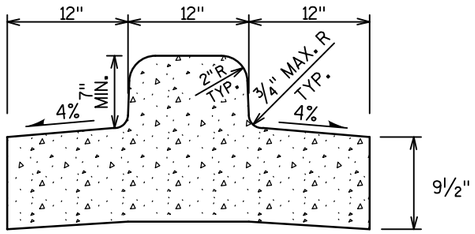
STA. 49+59 TO STA. 50+39



CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL

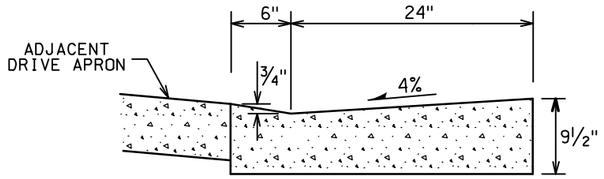


CONCRETE CURB & GUTTER 24-INCH TYPE A & TYPE D SPECIAL



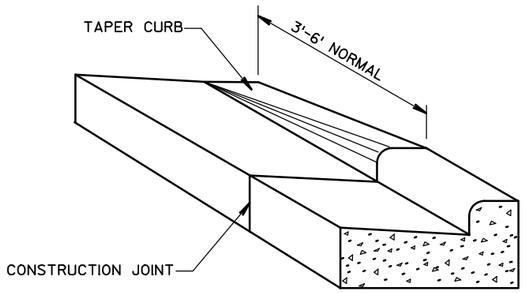
CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D

WESTBOUND WILLIAMSON STREET



DRIVEWAY SECTION

CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL



DETAIL OF CURB & GUTTER TERMINI

GENERAL NOTES:

PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15'NOR LESS THAN 6'IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

PLACE EXPANSION JOINTS TRANSVERSLY AT RADIUS POINTS ON CURVES OF RADIUS 200'OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE ½" THICK.

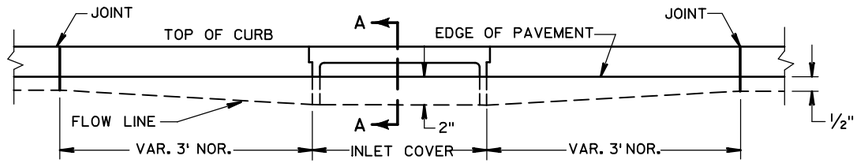
IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

TIE BARS ARE REQUIRED FOR CONCRETE CURB & GUTTER TYPE A.

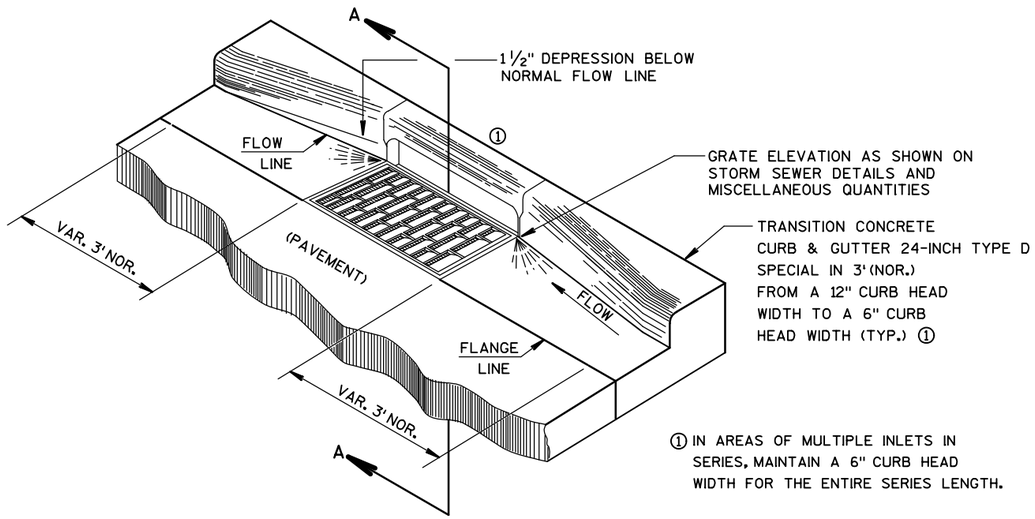
SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION.

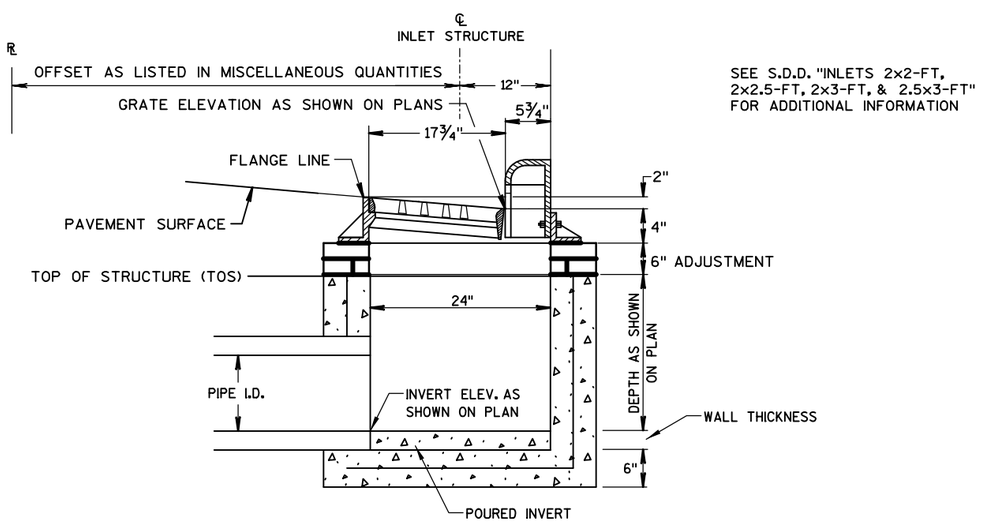
CONCRETE CURB & GUTTER DETAILS

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 8	E



ELEVATION

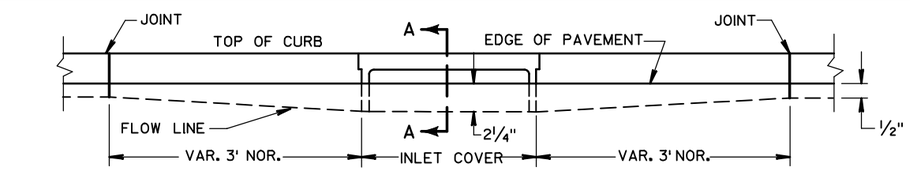




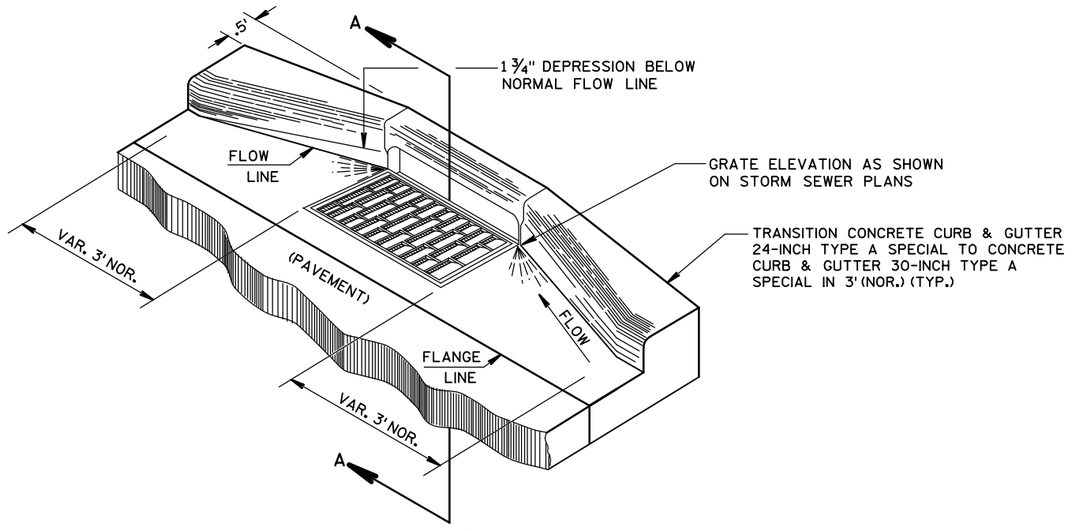
SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

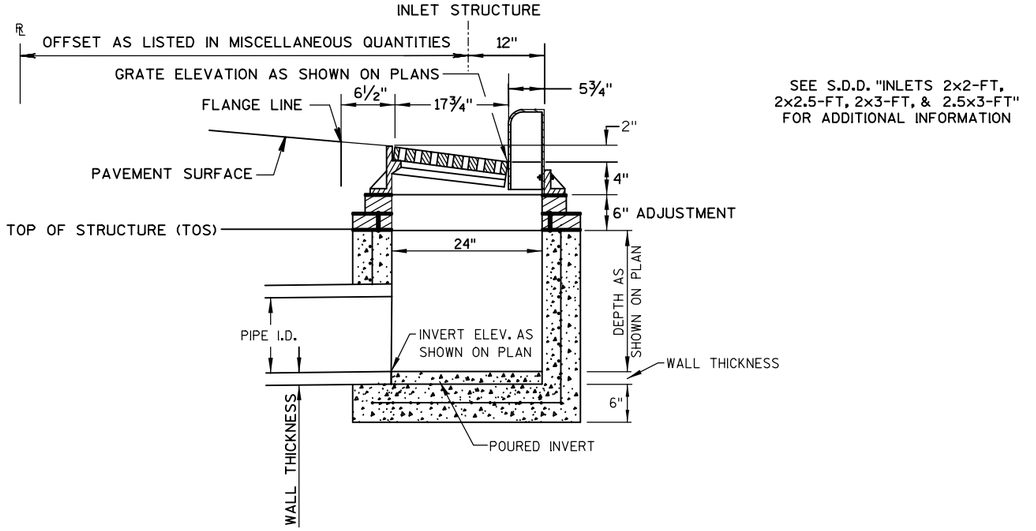
SECTION A-A
(INLETS 2x3-FT - H SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL AT INLETS



ELEVATION

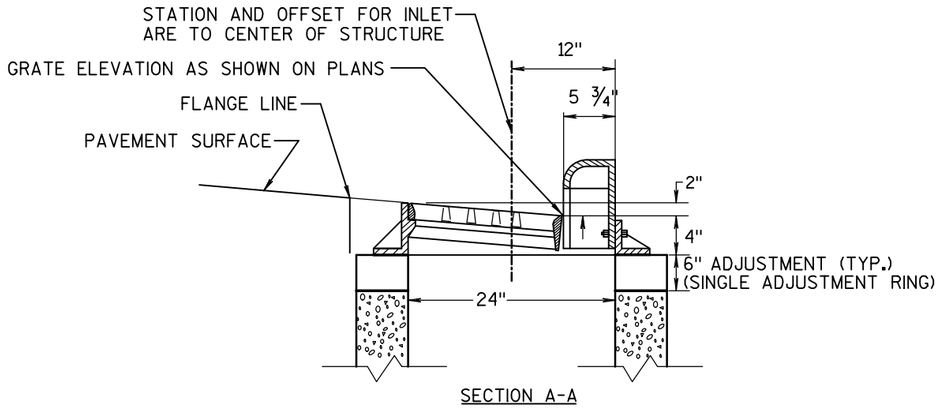




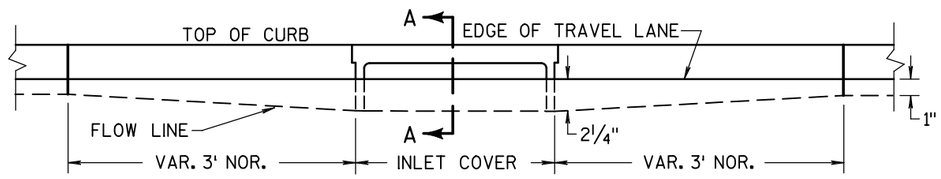
SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

SECTION A-A
(INLETS 2X3-FT - H SHOWN)

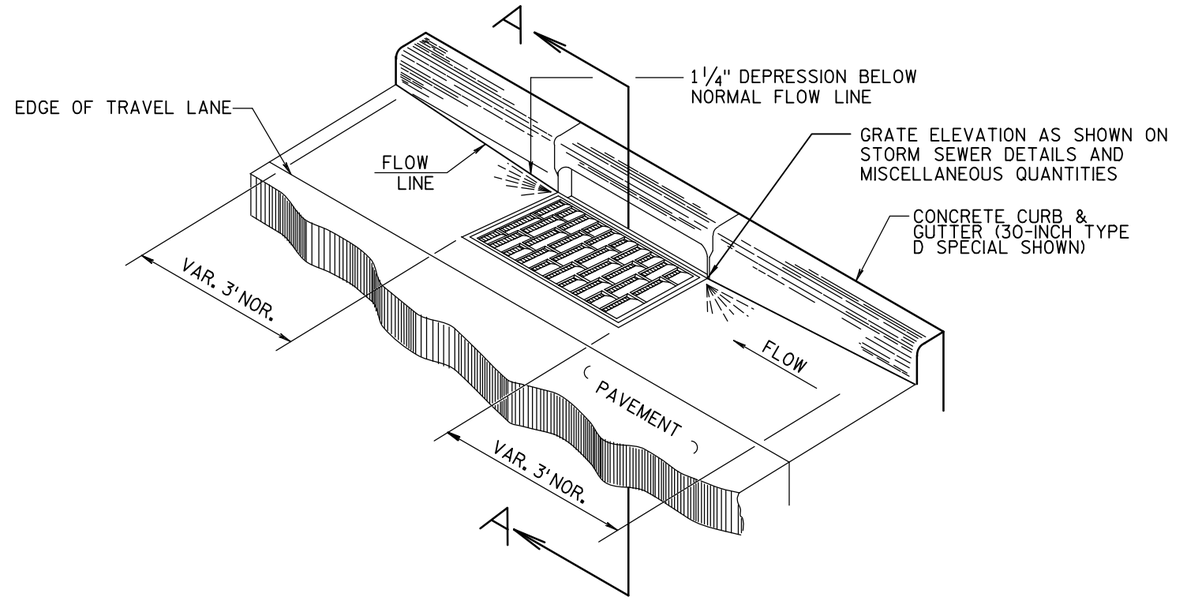
DETAIL OF CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL AT INLETS



SECTION A-A

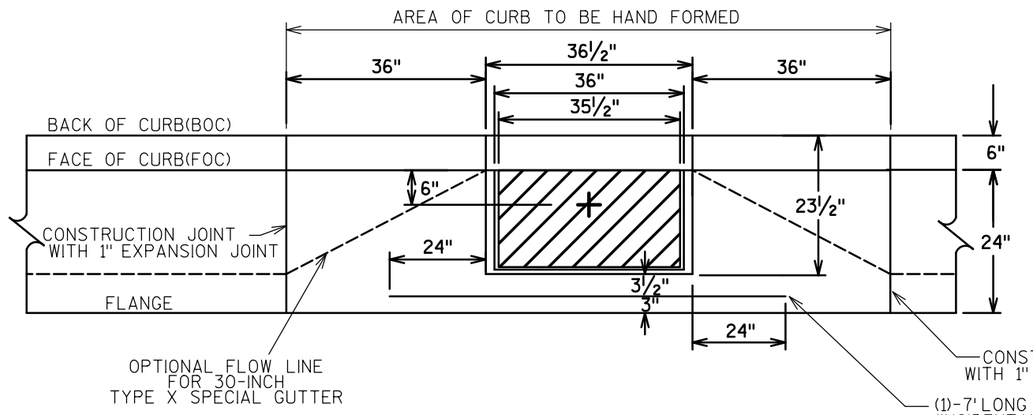


ELEVATION

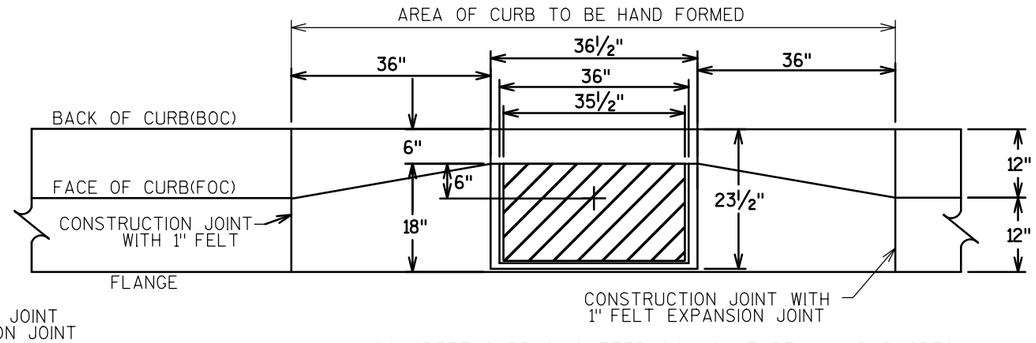


CONCRETE CURB & GUTTER 30-INCH TYPE A AND D SPECIAL AT INLET DETAIL

\+ = CENTER OF STRUCTURE (STATION AND OFFSET AS INDICATED ON THE STORM SEWER PLANS)



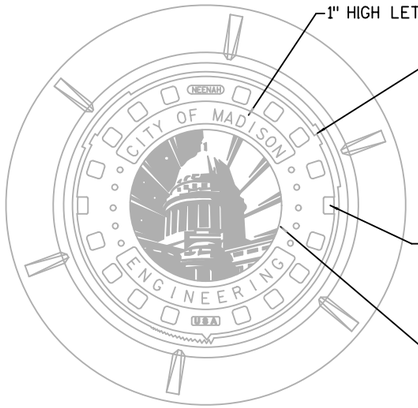
CONCRETE CURB & GUTTER 30-INCH TYPE A AND D SPECIAL
PLAN VIEW



CONCRETE CURB & GUTTER 24-INCH TYPE A AND D SPECIAL
PLAN VIEW

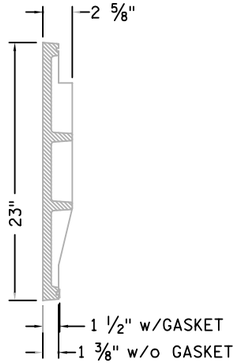
CURB & GUTTER AT INLET DETAIL

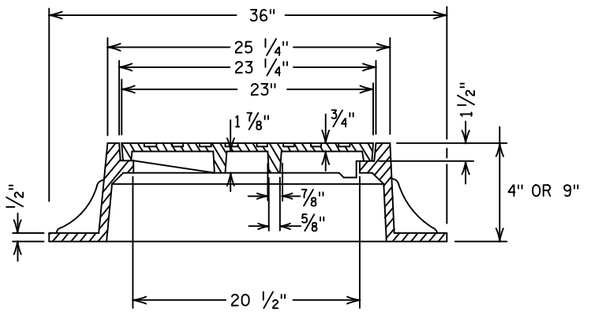
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 10	E

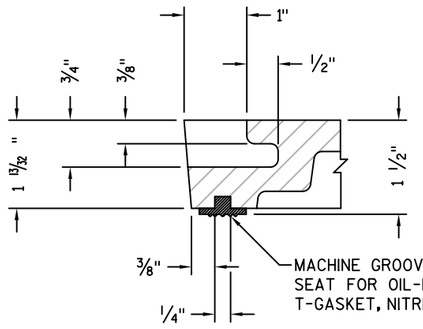


LOGO DETAIL









T-SEAL GASKET / CONCEALED PICK DETAIL

NOTES:

APPROXIMATE TOTAL WEIGHTS:
R-1550 w/ LOGO LID 1550-0054, 9" FRAME AND LID = 265 LBS.
R-1689 w/ LOGO LID 1550-0054, 4" FRAME AND LID = 279 LBS.

IF LOCKABLE LID IS NECESSARY, R-1920, 8¾" FRAME AND LID = 300 LBS THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

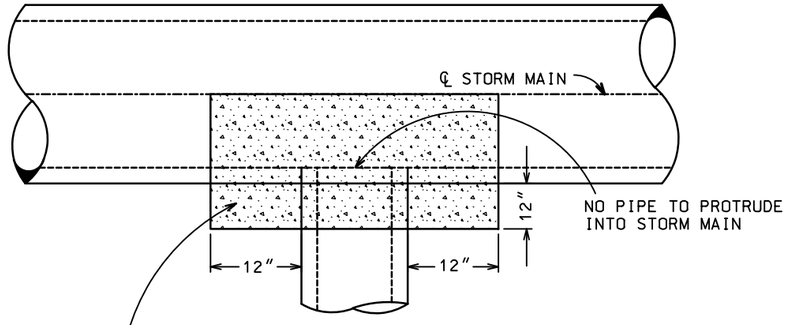
THE FOLLOWING NEENAH FOUNDRY CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:

1. R-1550, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME (WHEN REQUESTED BY THE ENGINEER).
3. R-1920, 8¾" ACCESS STRUCTURE FRAME WITH LOCKING LID, TYPE 'F' LOCKS, AND CONCEALED PICK HOLES. TO BE USED IN GREENWAYS AND EASEMENTS.

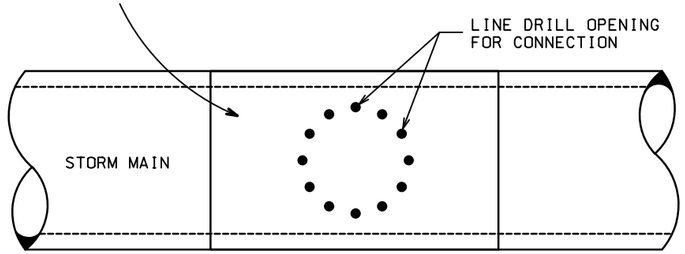
1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.
2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.
3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1550-0054 OR EQUIV.)

LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

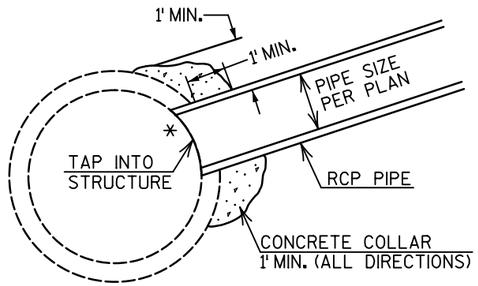
MANHOLE COVERS TYPE J-SPECIAL



TOP VIEW



SIDE VIEW



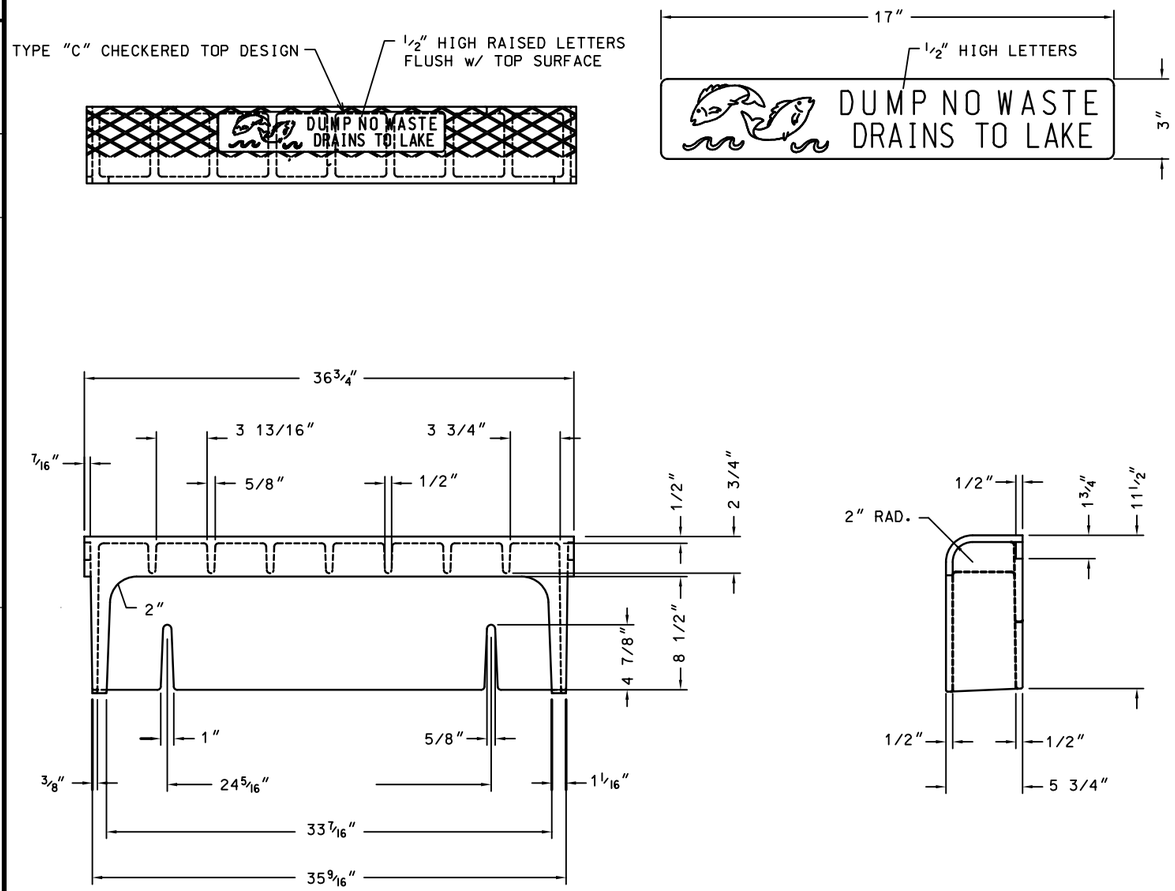
PLAN VIEW

NOTE: CONCRETE COLLAR INCIDENTAL TO STORM SEWER TAP

* NO PIPE TO PROTRUDE INTO STORM MAIN

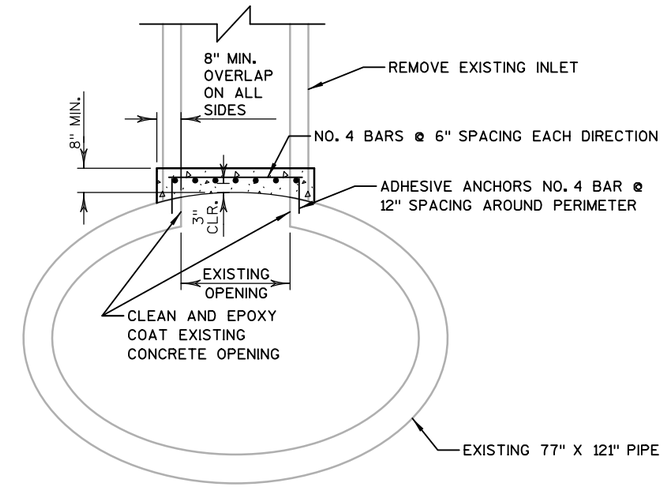
STORM SEWER TAP

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 11	E

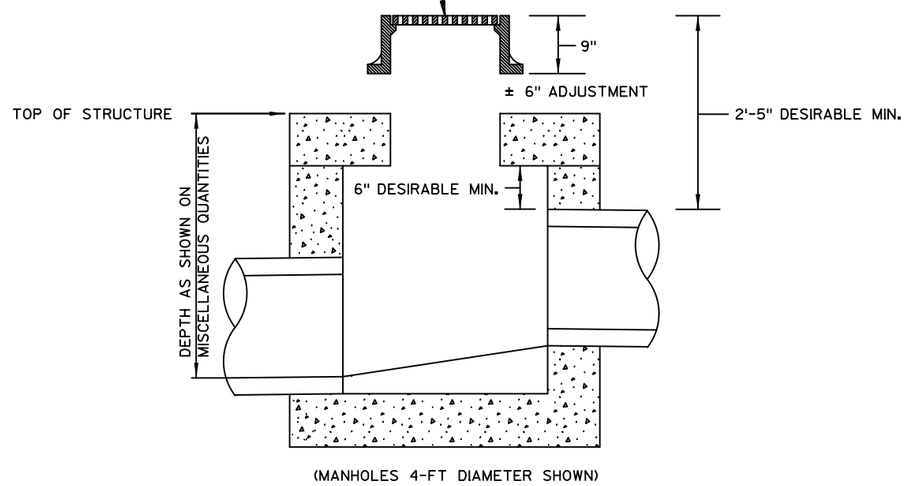


MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 126#

INLET COVERS TYPE H OR H-S

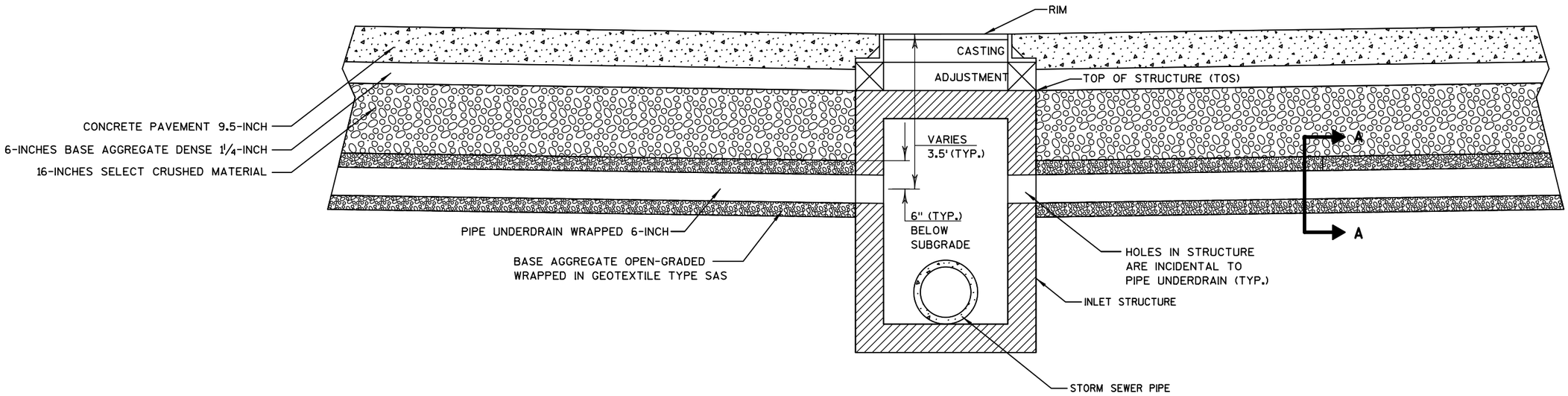


REMOVING SADDLE INLET

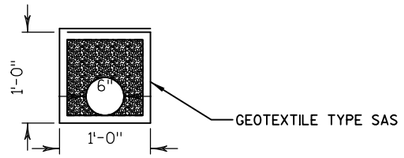


(MANHOLES 4-FT DIAMETER SHOWN)

DETAIL FOR COMPUTING MANHOLE ELEVATIONS

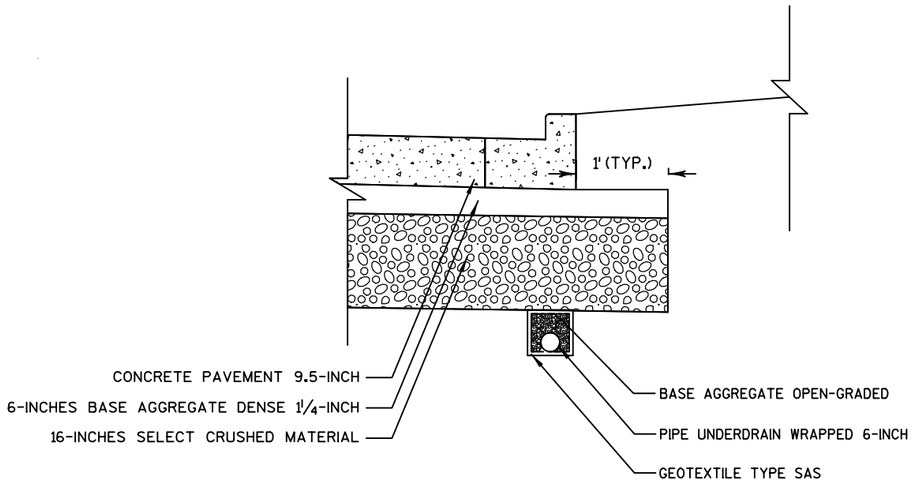


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE PROFILE VIEW



SECTION A-A

PIPE UNDERDRAIN WRAPPED 6-INCH ENCLOSED IN A
1'-0" X 1'-0" AREA OF BASE AGGREGATE
OPEN-GRADED WRAPPED IN GEOTEXTILE TYPE SAS.

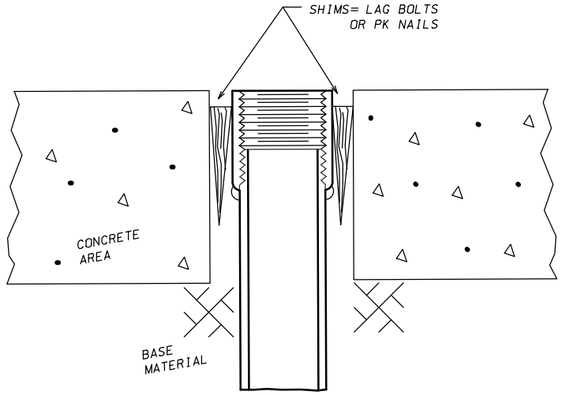


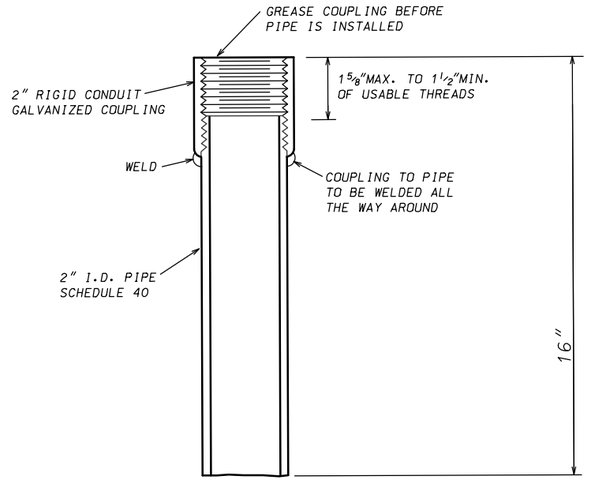
PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE CROSS SECTION

PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE DETAIL

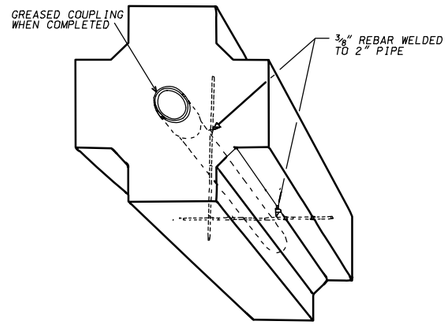
CONCRETE PAVEMENT LOCATIONS
(ALSO TYPICAL FOR 9.5-INCH HMA LOCATIONS)

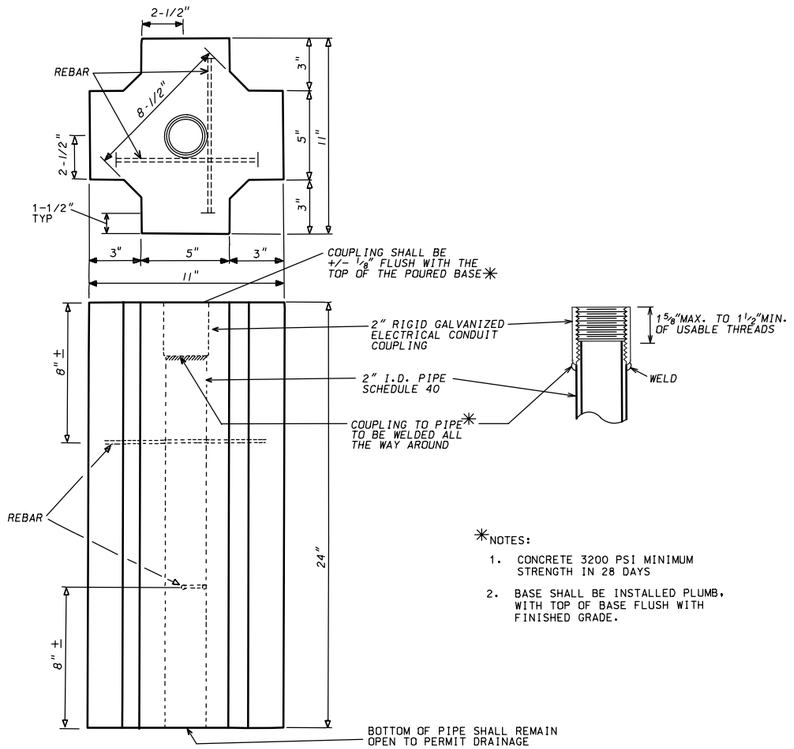
NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.





SIGN POST BASE WITHIN CONCRETE INSTALLATION DETAIL

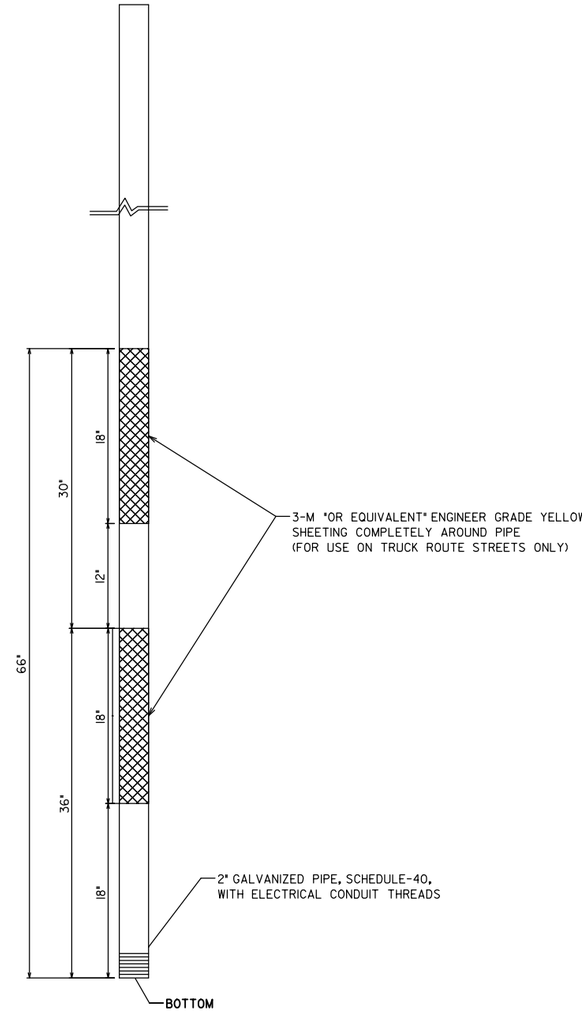




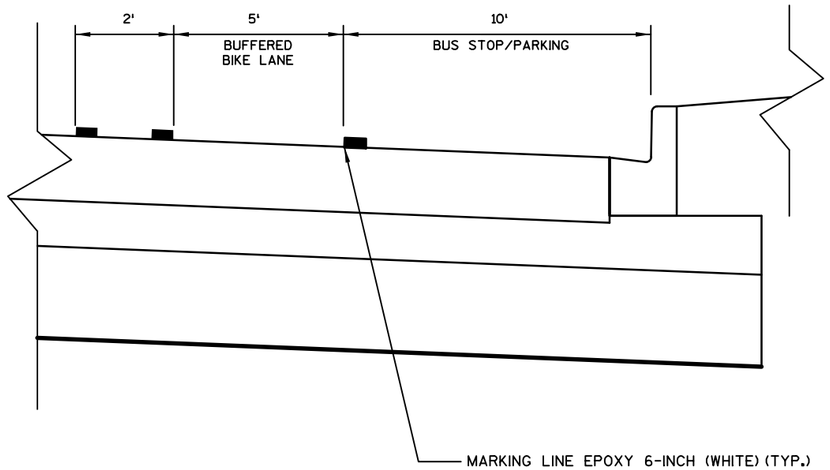
✳NOTES:

1. CONCRETE 3200 PSI MINIMUM STRENGTH IN 28 DAYS
2. BASE SHALL BE INSTALLED PLUMB, WITH TOP OF BASE FLUSH WITH FINISHED GRADE.

PRECAST SIGN POST BASE DETAIL

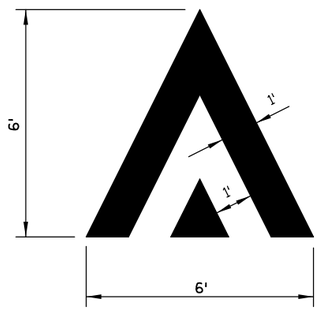


SIGN POST DETAIL



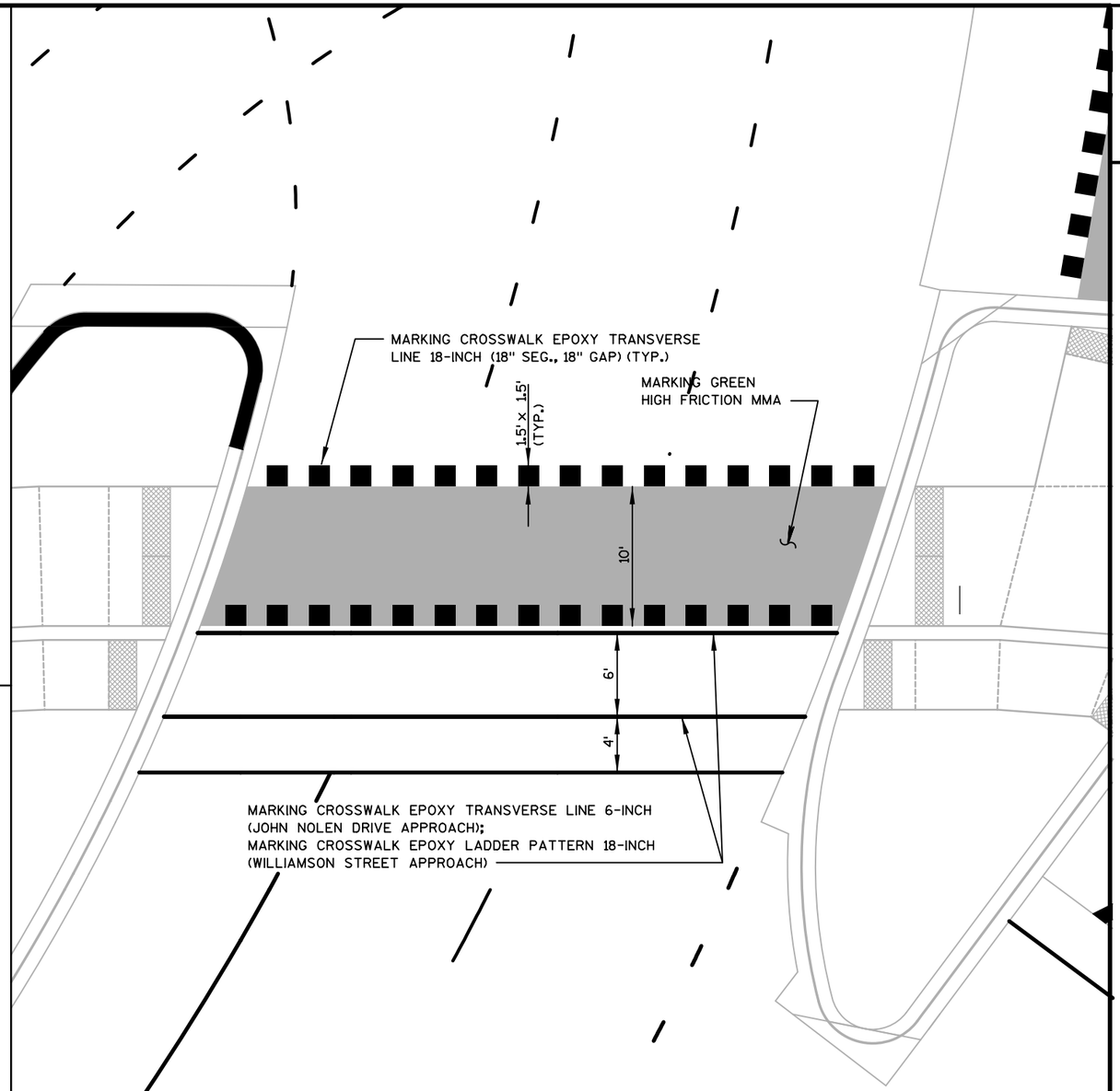
NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE BIKE LANE SYMBOL PAVEMENT MARKING CONSTRUCTION DETAIL FOR ADDITIONAL INFORMATION.

EAST WILSON STREET BUFFFERED BIKE LANE PAVEMENT MARKING LOCATION



MARKING SYMBOL EPOXY (AT SPEED TABLE)

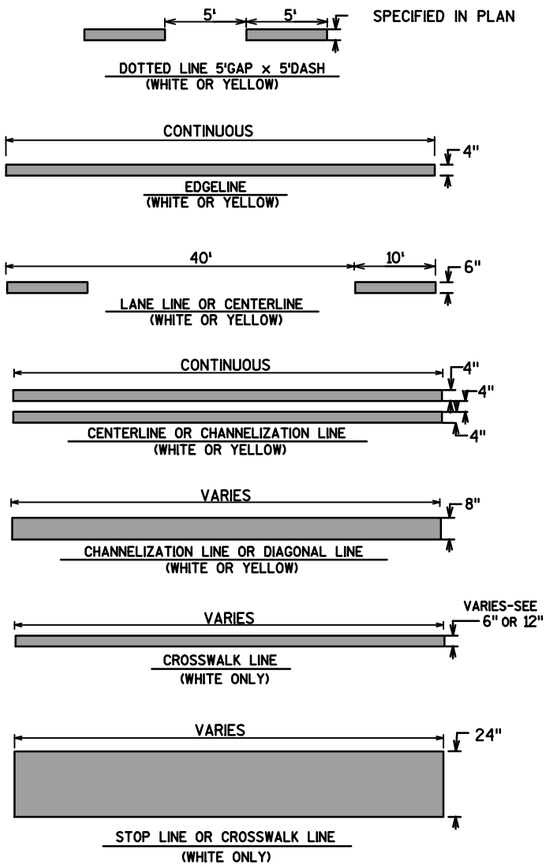
STA. 8+19 A, RT

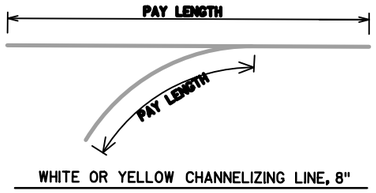


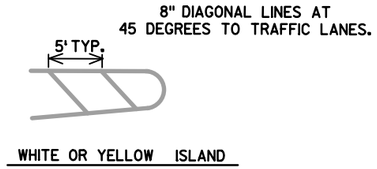
EAST WILSON STREET AND WILLIAMSON STREET INTERSECTION CROSSWALK MARKINGS

NORTHBOUND AND SOUTHBOUND JOHN NOLEN DRIVE

PERMANENT PAVEMENT MARKINGS







GENERAL NOTES FOR EPOXY PAVEMENT MARKINGS

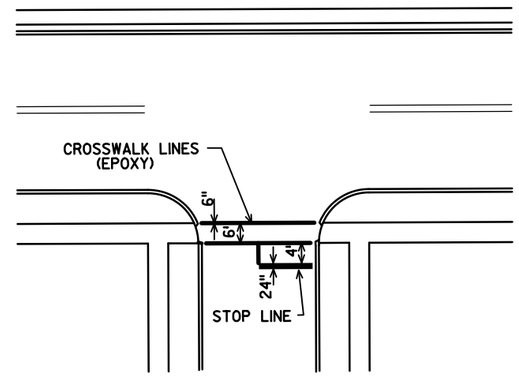
APPLY ALL MARKINGS IN ACCORDANCE WITH THE STATE OF WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

AT STREET INTERSECTIONS, MARKINGS START OR END AT THE MARKED CROSSWALK. THE PROPERTY LINE EXTENDED, IF THERE IS NO MARKED CROSSWALK.

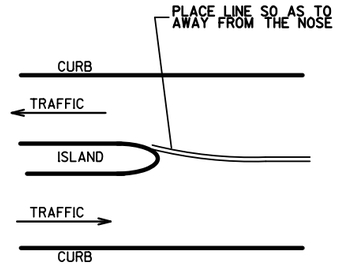
CROSSWALKS AND STOP LINES WILL BE PLACED NO CLOSER THAN 2' TO THE FACE OF CURB.

ADHERE TO THE TRAFFIC SPECIFICATION IN THE SPECIAL PROVISIONS AT ALL TIMES.

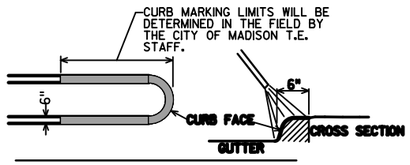
FOR MORE INFORMATION AND FULL SIZE PATTERNS FOR ARROWS & WORD LEGENDS CONTACT THE CITY OF MADISON TRAFFIC ENGINEERING FIELD OPERATIONS FACILITY 1120 SAYLE ST. (608) 266-4767



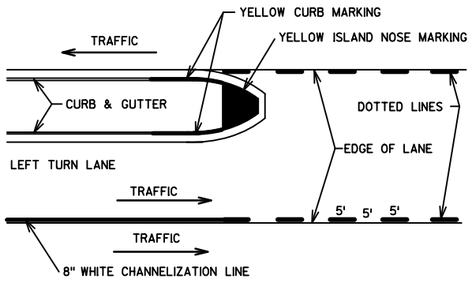
CROSSWALK & STOP LINE DETAILS



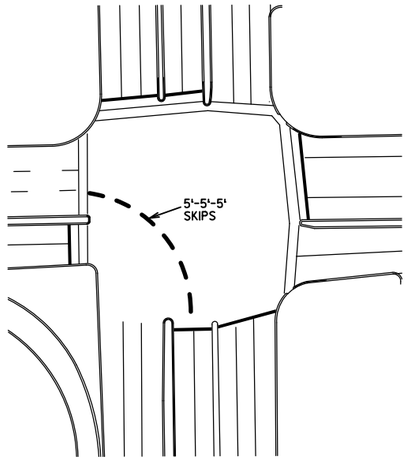
ISLAND APPROACH



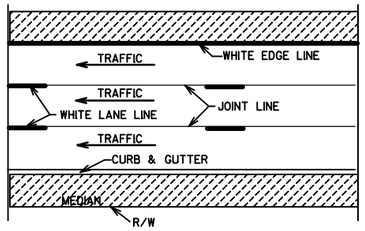
CURB & ISLAND MARKING DETAILS



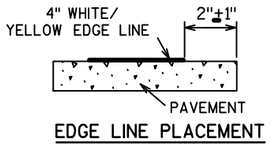
LEFT TURN LANE



TURN RADIUS LINE DETAILS



MARKING PLACEMENT DETAIL



EDGE LINE PLACEMENT

EAST WILSON STREET AND WILLIAMSON STREET MARKINGS

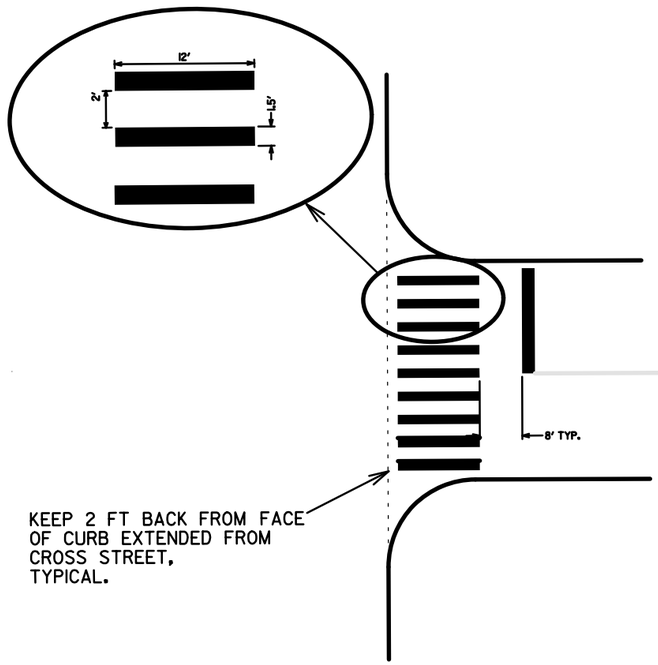
CONTINENTAL CROSSWALKS

CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.

THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES

THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

PAID FOR AS "MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH"

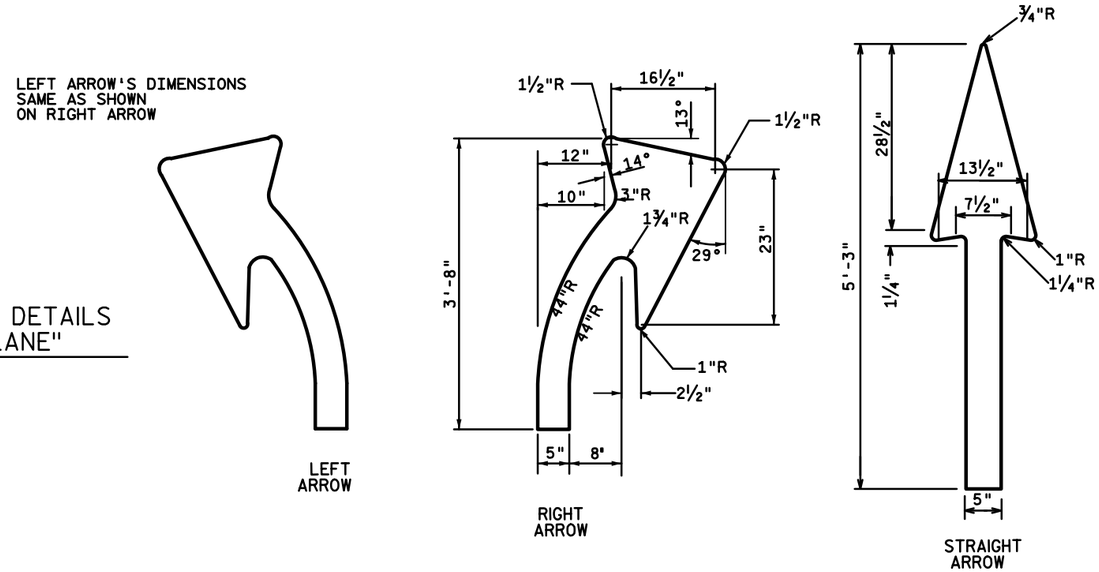


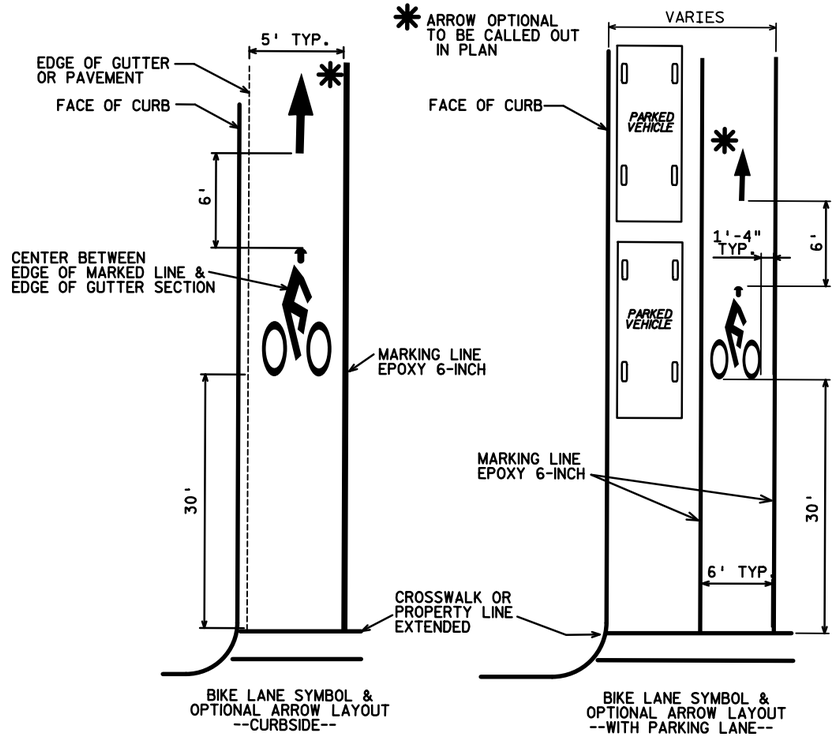
CONTINENTAL CROSSWALK DETAIL

NOT TO SCALE

PAVEMENT MARKING DETAILS
"ARROWS BIKE LANE"

NOT TO SCALE





BIKE LANE SYMBOL PAVEMENT MARKING DETAILS

NOT TO SCALE

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 17	E

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE P	48"	30"	16"	24"	1.549
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-				-

TYPE P
(ISOMETRIC VIEW)

GENERAL NOTES

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

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

DEPTH OF CONDUIT EXITING THE BASE SHALL MATCH THE DEPTH SPECIFIED FOR CONDUIT INSTALLATION.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL NOT BE INSTALLED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

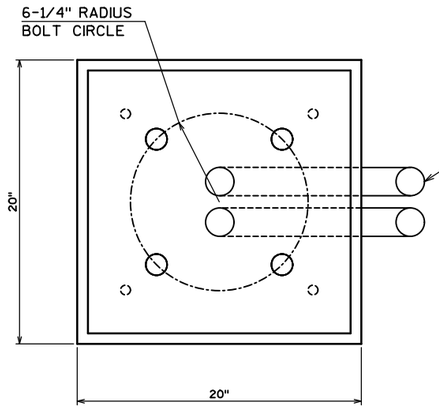
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

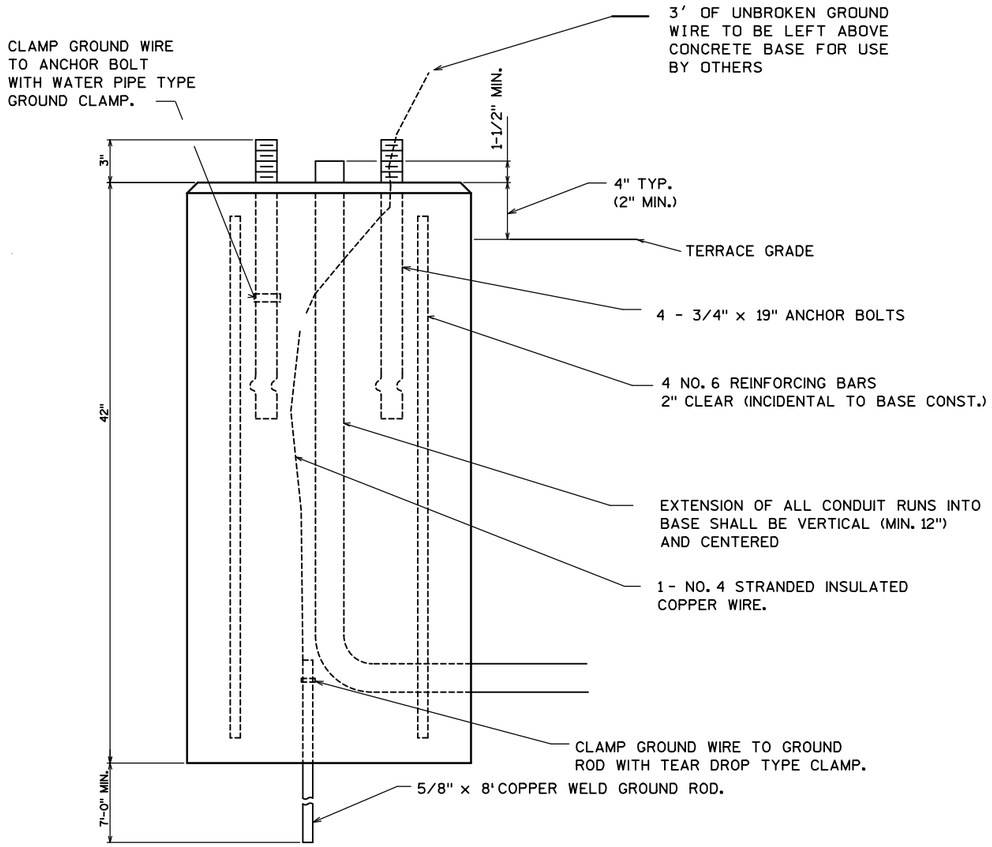
CONTACT THE ENGINEER PRIOR TO GROUND ROD BURIAL

CONCRETE BASE TYPE M & TYPE P

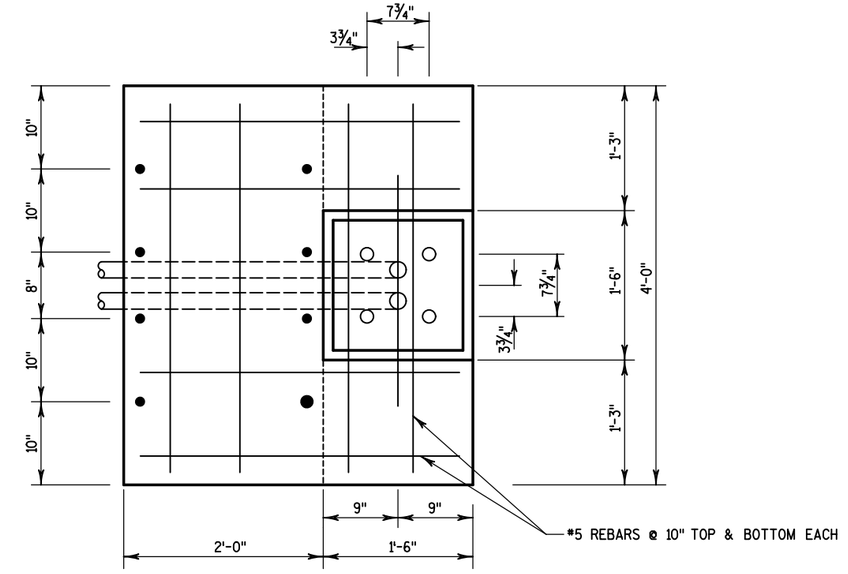


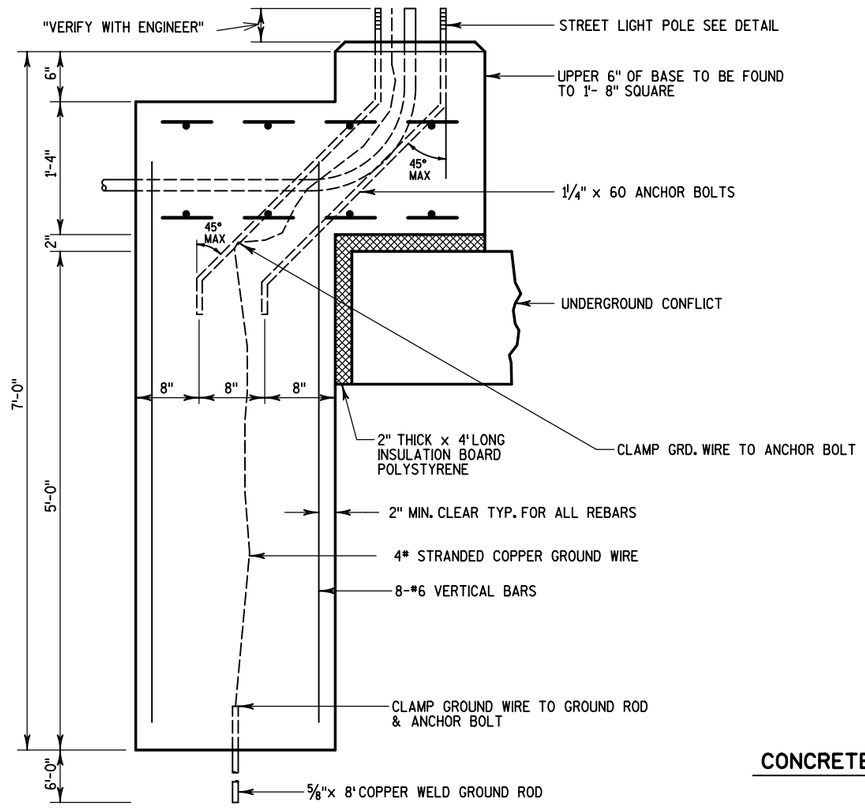
NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR CONCRETE BASE TYPE G.

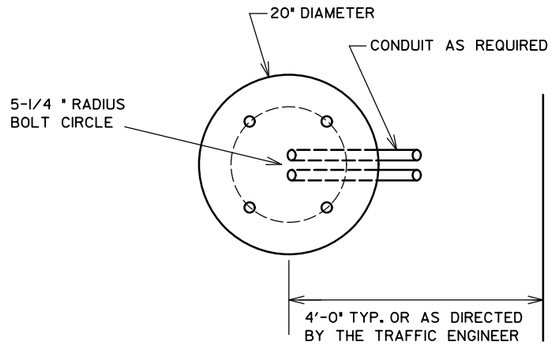


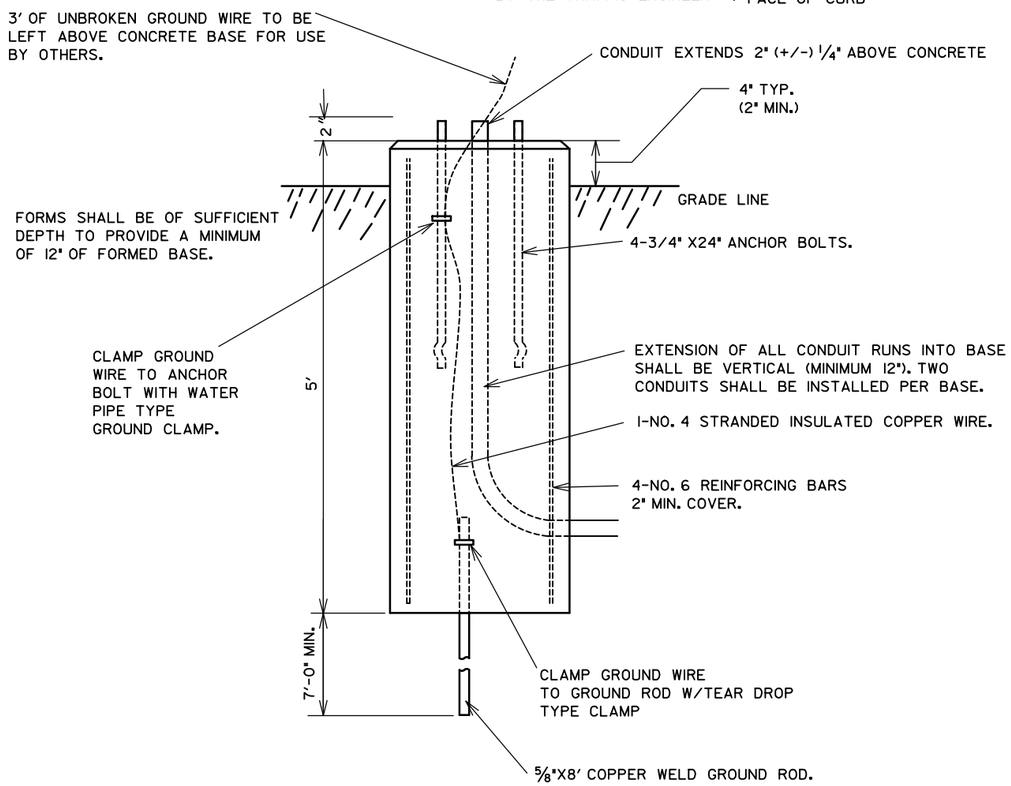
CONCRETE BASE TYPE G



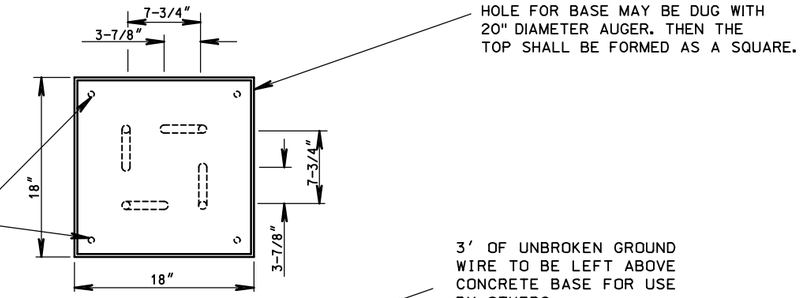


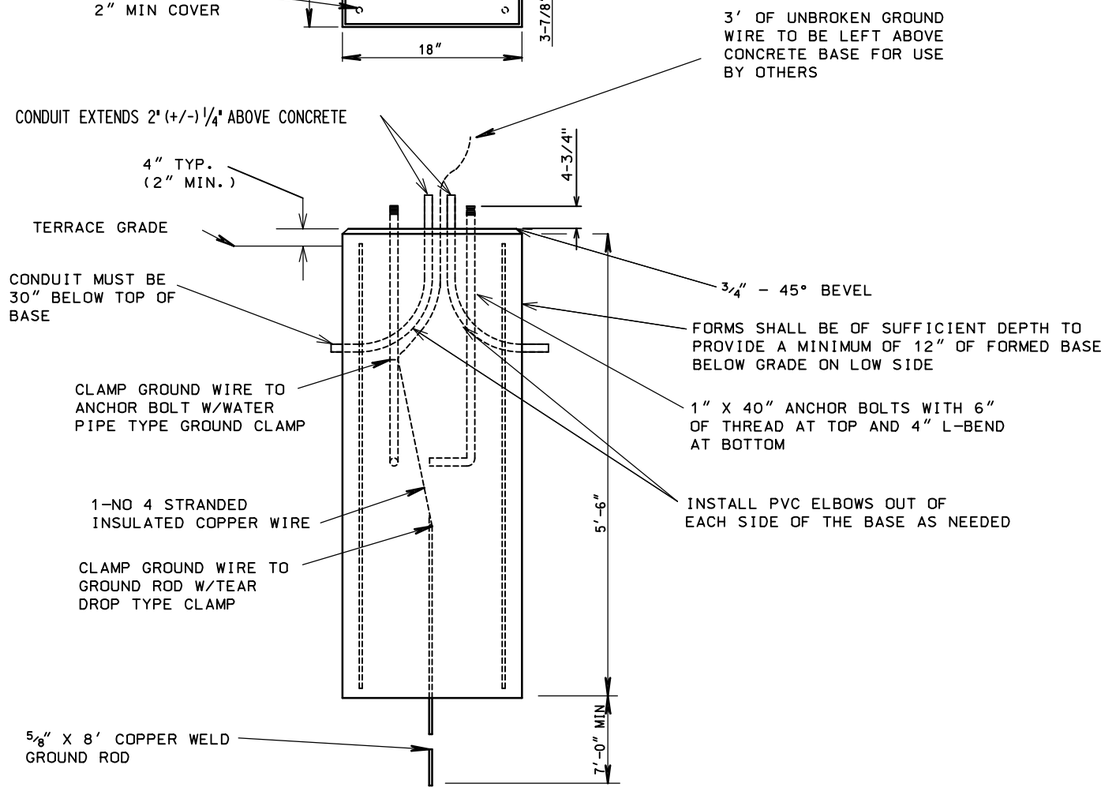
CONCRETE BASE OFFSET

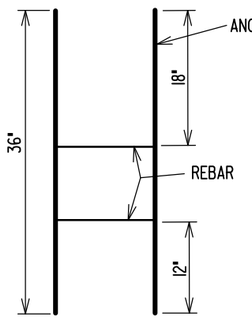




CONCRETE BASE TYPE LB-1



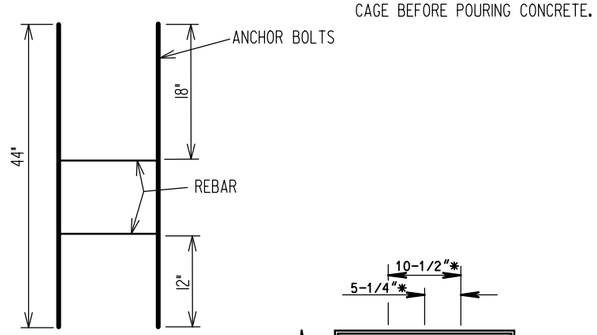




HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

CONCRETE BASE TYPE LB-3

HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.



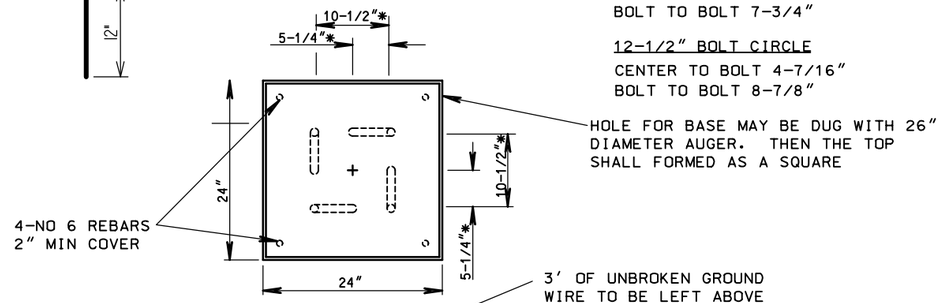
*IF ANOTHER BOLT CIRCLE IS REQUIRED, INSTEAD OF THE 15" BOLT CIRCLE SHOWN, THE FOLLOWING DIMENSIONS SHOULD BE USED

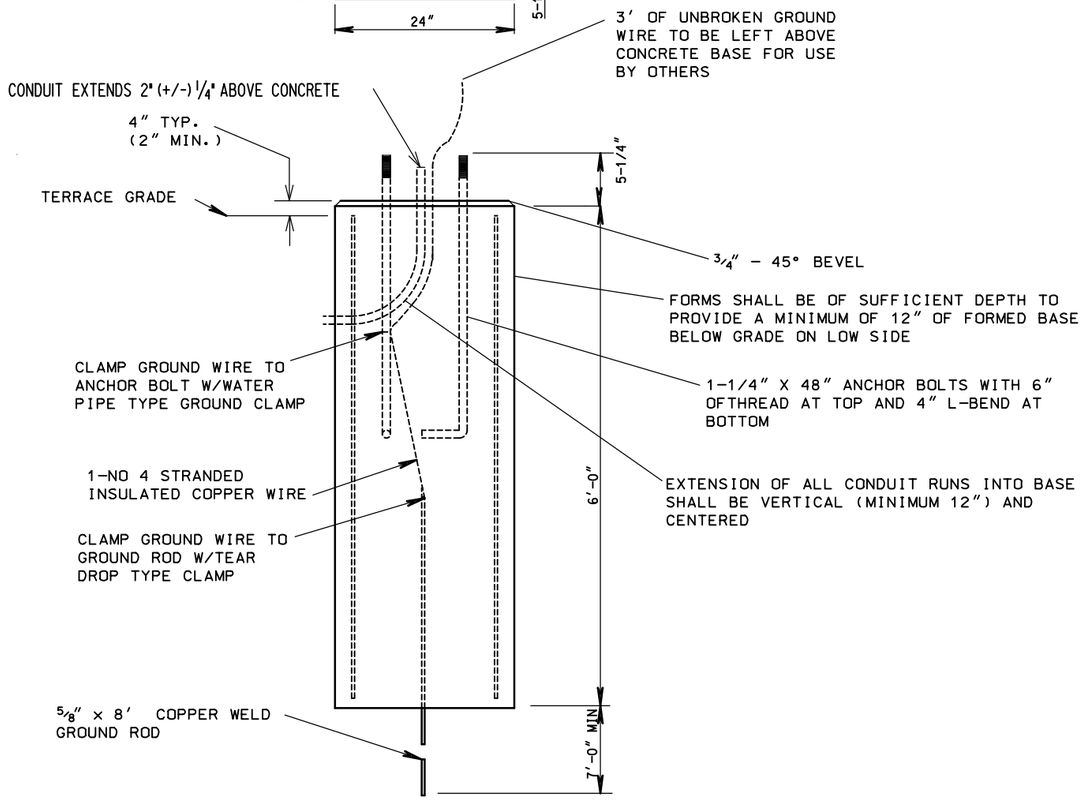
11" BOLT CIRCLE

CENTER TO BOLT 3-7/8"
BOLT TO BOLT 7-3/4"

12-1/2" BOLT CIRCLE

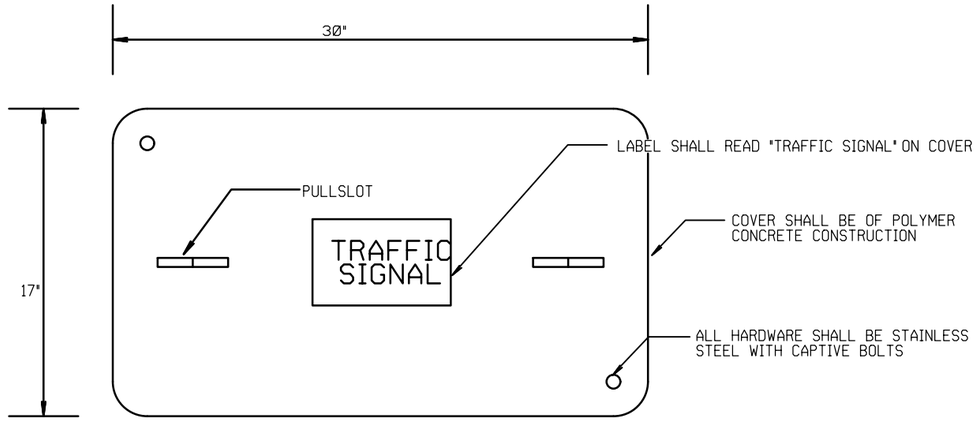
CENTER TO BOLT 4-7/16"
BOLT TO BOLT 8-7/8"

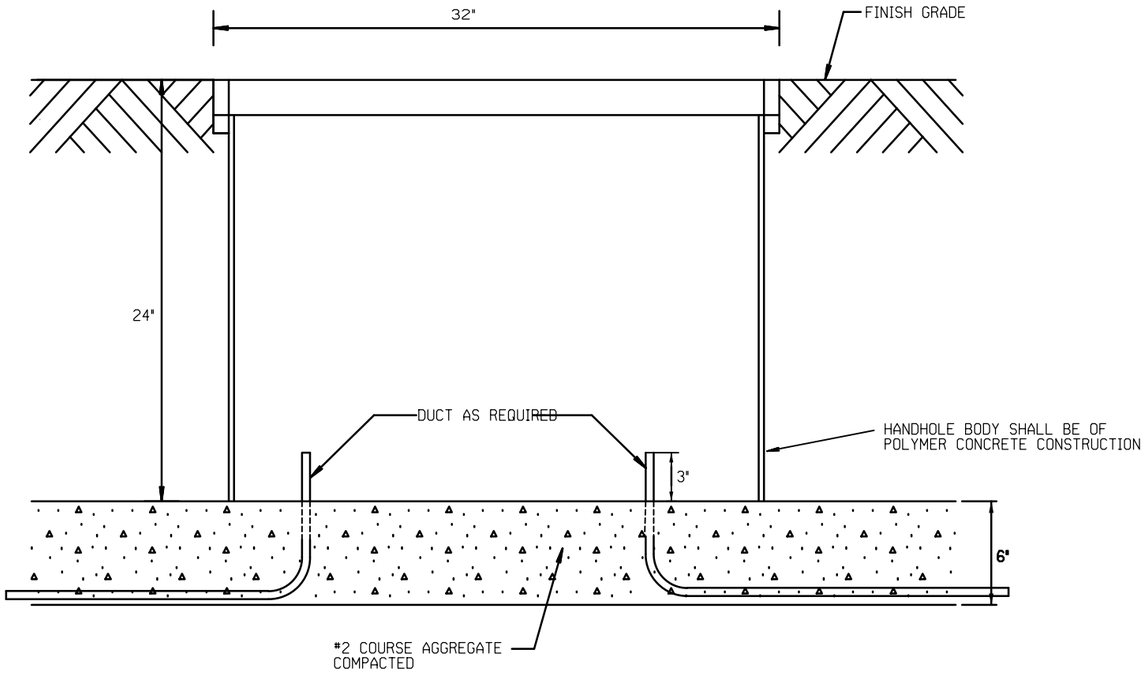




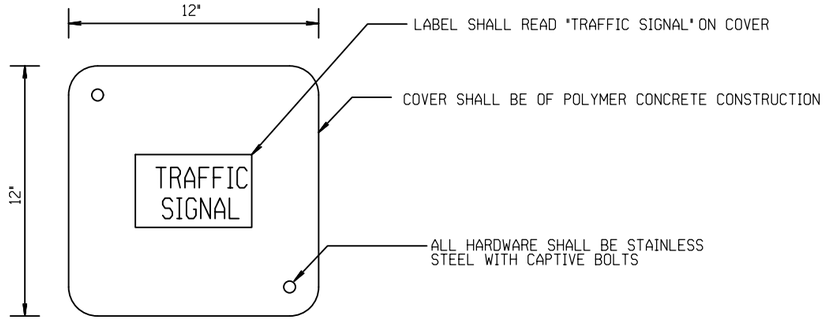
CONCRETE BASE TYPE LB-8

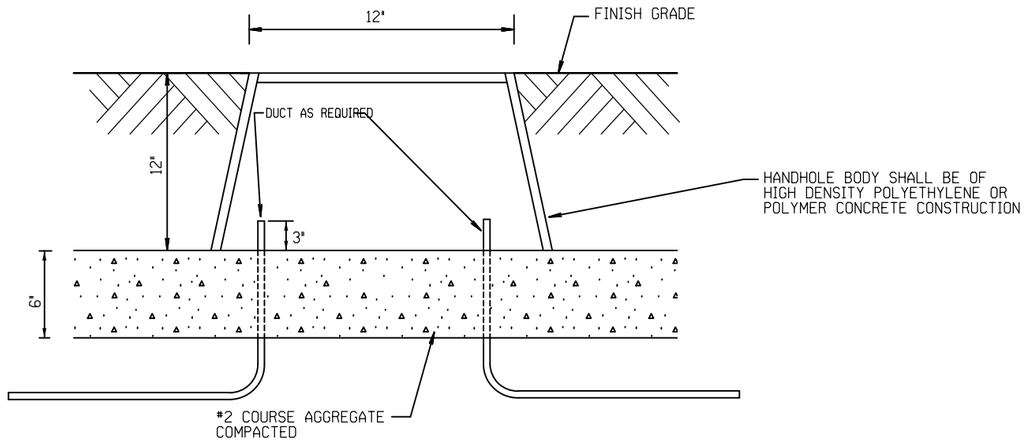
2



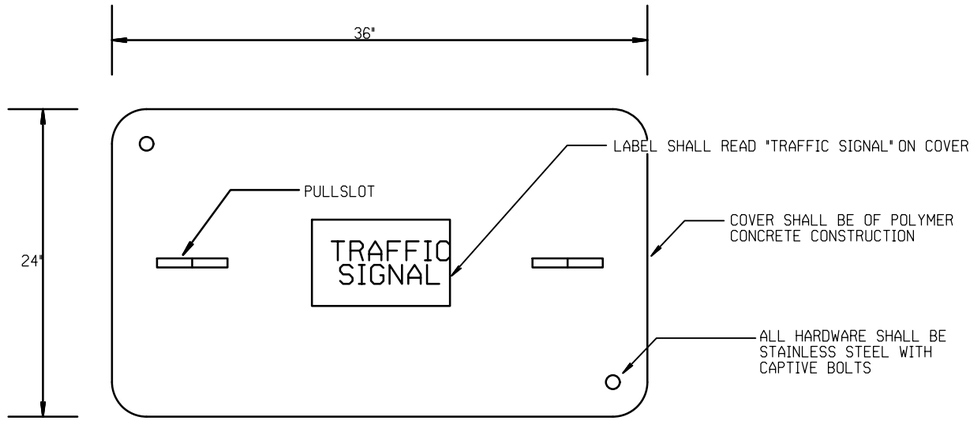


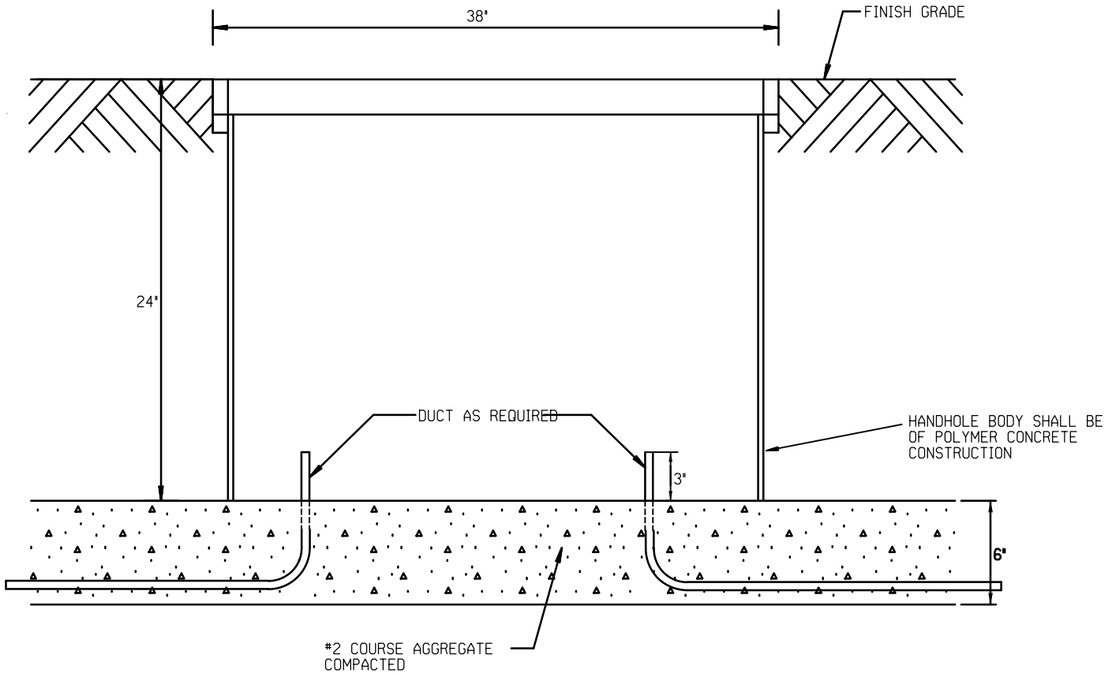
ELECTRICAL PULLBOX, TYPE I



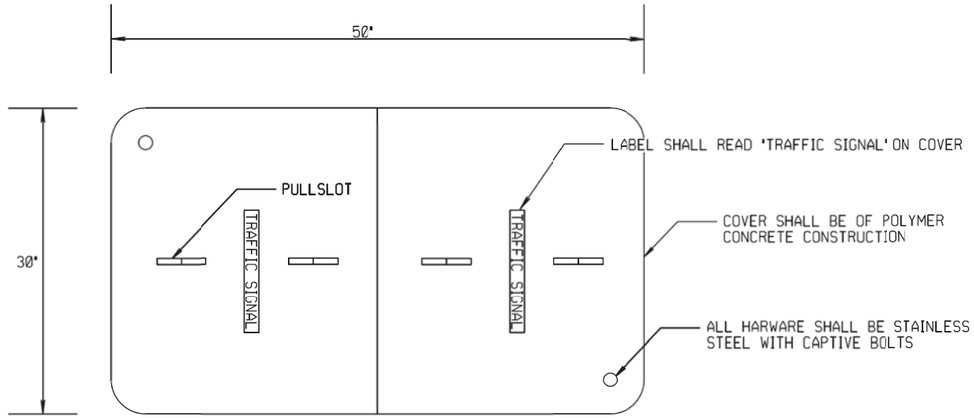


ELECTRICAL PULLBOX, TYPE III

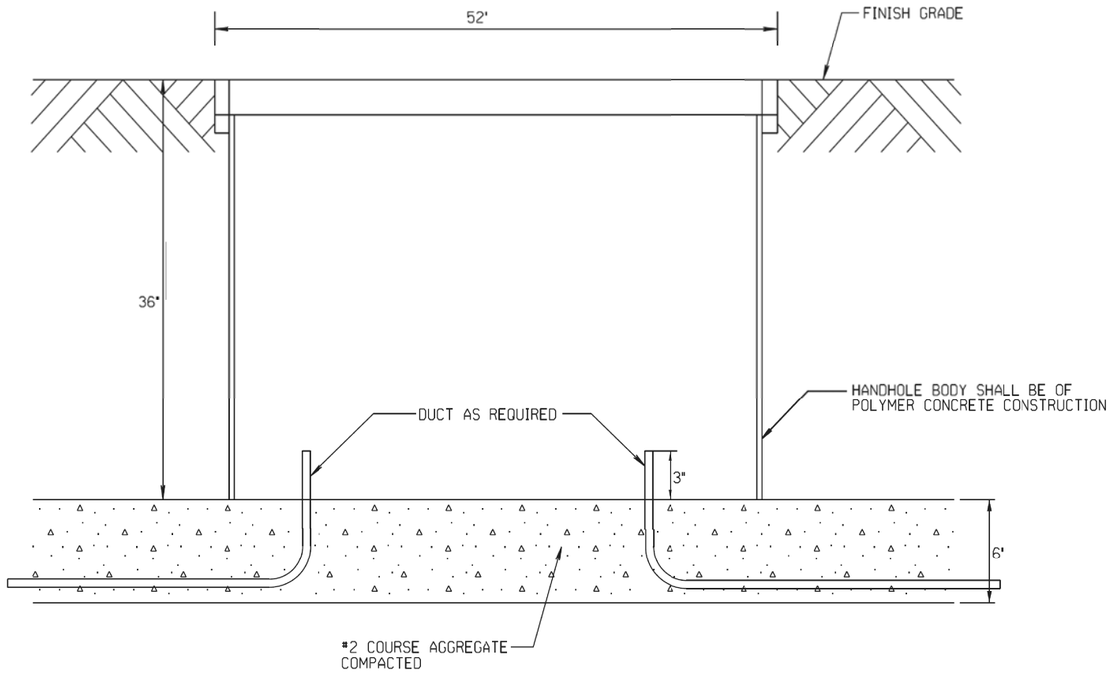




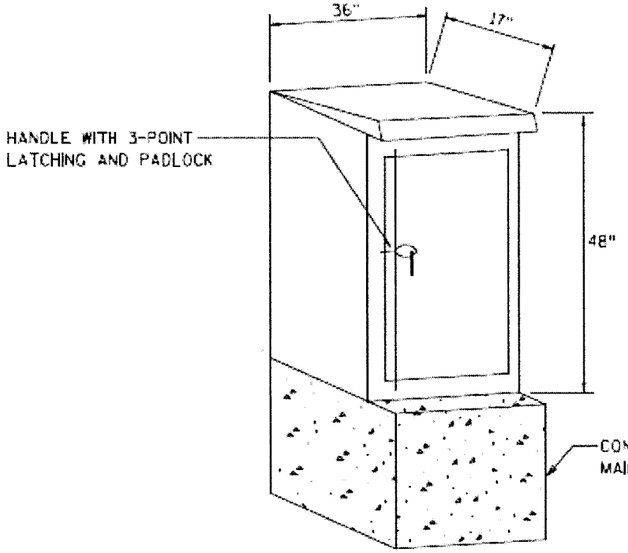
ELECTRICAL PULLBOX, TYPE V



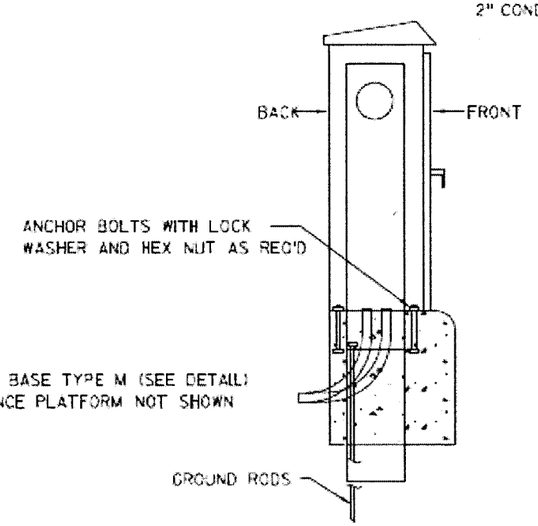
•15,000 LBS MAXIMUM LOAD OVER A 10'X10' TEST AREA RATING FOR COVER AND BOX



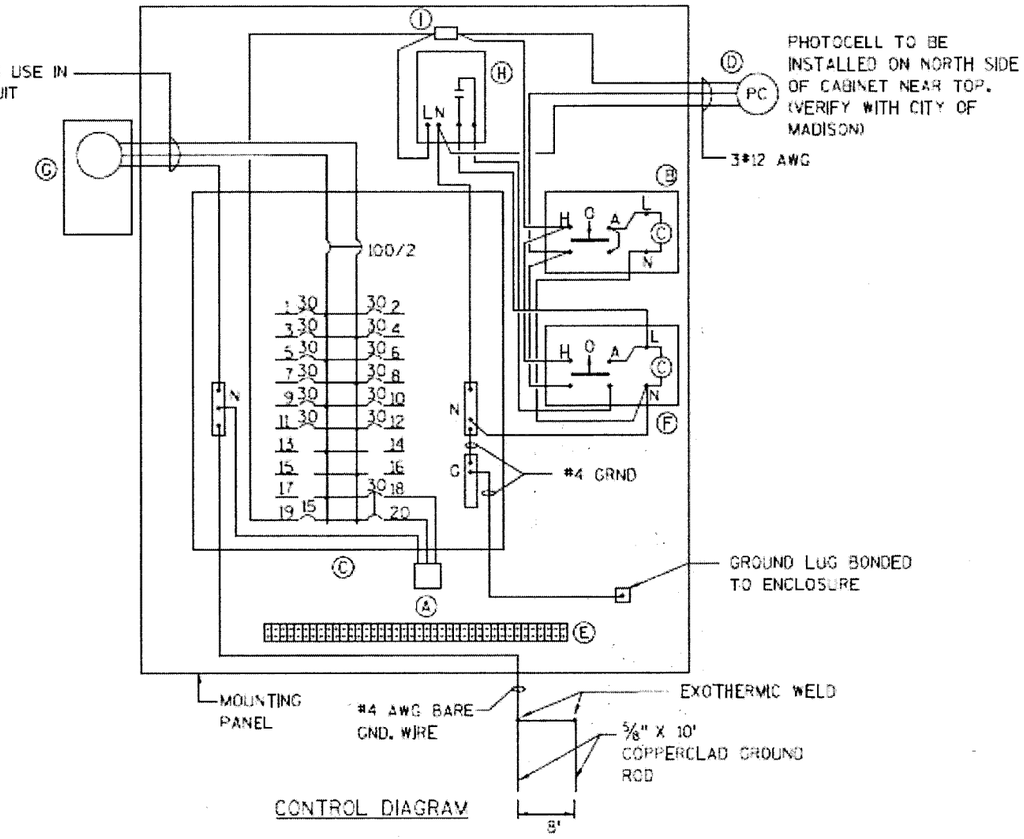
ELECTRICAL PULLBOX, TYPE VII



CABINET VIEW



SIDE VIEW



CONTROL DIAGRAV

NOTES:

ALL CONTROL WIRING SHALL BE COLOR CODED #12 AWG, XLP UNLESS OTHERWISE NOTED.

ALL POWER AND CONTROL WIRING SHALL BE NEATLY ROUTED, LABELED AND SUPPORTED.

THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTOR'S SHOP AND TESTED PRIOR TO THE INSTALLATION AT SITE.

A COPY OF THIS SHEET WITH AS-BUILT (RECORD) CONDITIONS SHALL BE PUT IN A PLASTIC PROTECTOR IN THE CABINET.

THE CONTRACTOR SHALL COMPLY WITH LOCAL UTILITY INSTALLATION REQUIREMENTS.

USE #10 AWG XLP CONDUCTORS FROM THE 30A CB'S TO THE FIELD WIRING TERMINATION STRIP. PROVIDE A GROUND WIRE AND NEUTRAL WIRE TO FIELD WIRING TERMINATION STRIP FROM PANELBOARD FOR EACH UNDERGROUND CABLE RUN TO LIGHTING UNITS AS REQUIRED.

THE TIME CLOCK SHALL BE SET AS THE CITY OF MADISON DIRECTS.

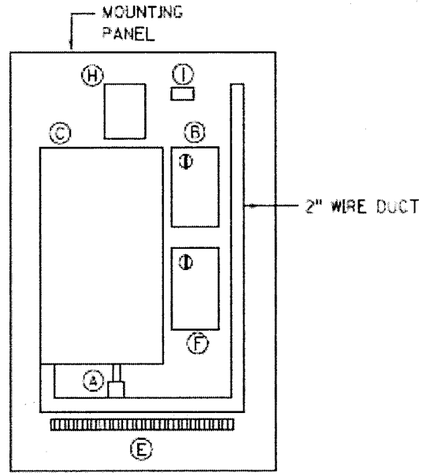
CABINET SHALL NOT OVERLAP THE CONCRETE BASE.

POWER FOR STREETLIGHTING TO COME FROM METERED PEDESTAL.

EQUIPMENT

- (A) SURGE ARRESTOR
- (B) 8 POLE, 30A 600V ELECTRICALLY HELD "ALL NIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE
- (C) 100A MCB, 120/240V, 1PH, 3W, 20CKT., PANELBOARD WITH BOLT-ON BRANCH BREAKERS, 22000 A RMS INTERRUPTING CAPACITY.
- (D) BUTTON TYPE PHOTOCELL, 120V.
- (E) FIELD WIRING TERMINATION STRIP (30 BLOCKS MIN.)
- (F) 8 POLE, 30A 600V ELECTRICALLY HELD "MIDNIGHT" CONTACTOR, 120V CONTROL COIL, H-O-A SWITCH, NEMA 1 ENCLOSURE.
- (G) ASTRONOMIC TIME CLOCK, 120V
- (H) CONTROL TERMINAL BLOCK

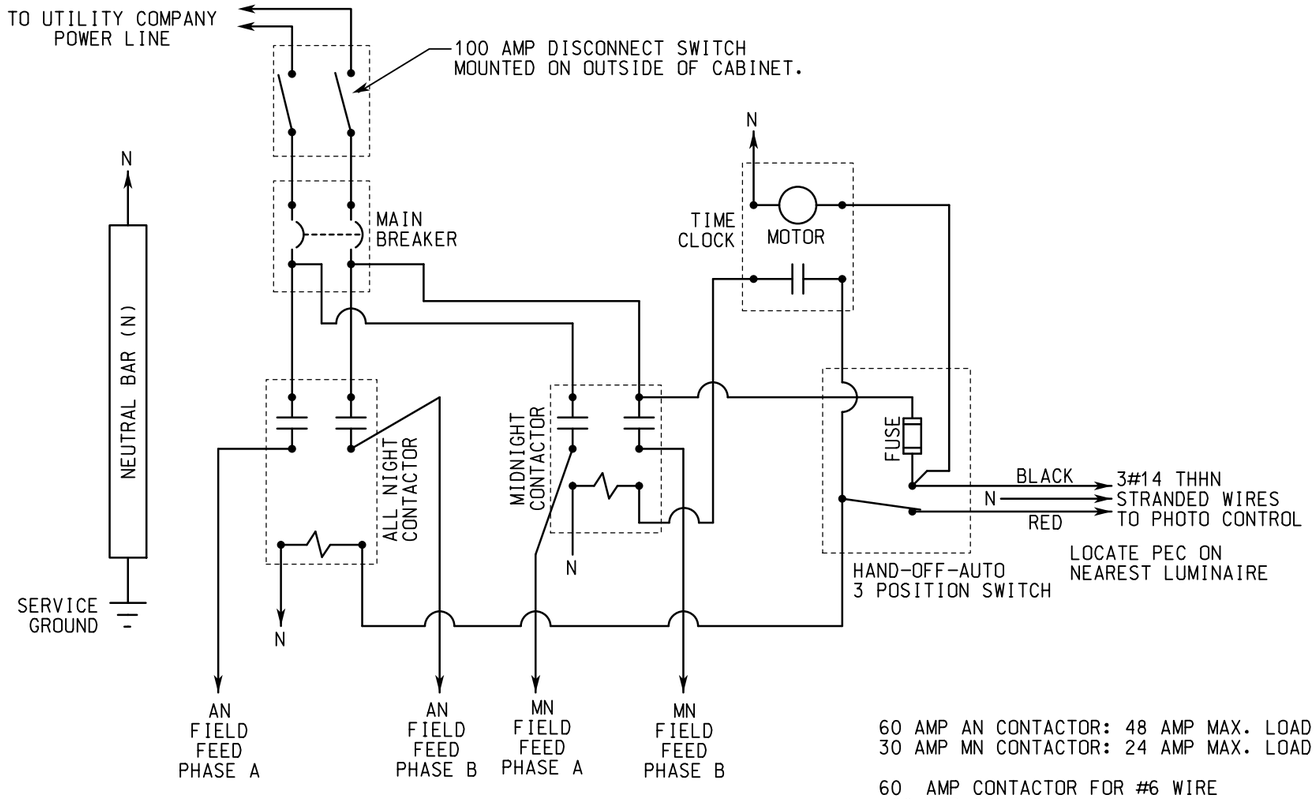
LIGHTING CONTROL CABINET DETAIL
SCALE: NONE



EQUIPMENT LAYOUT

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 24

2

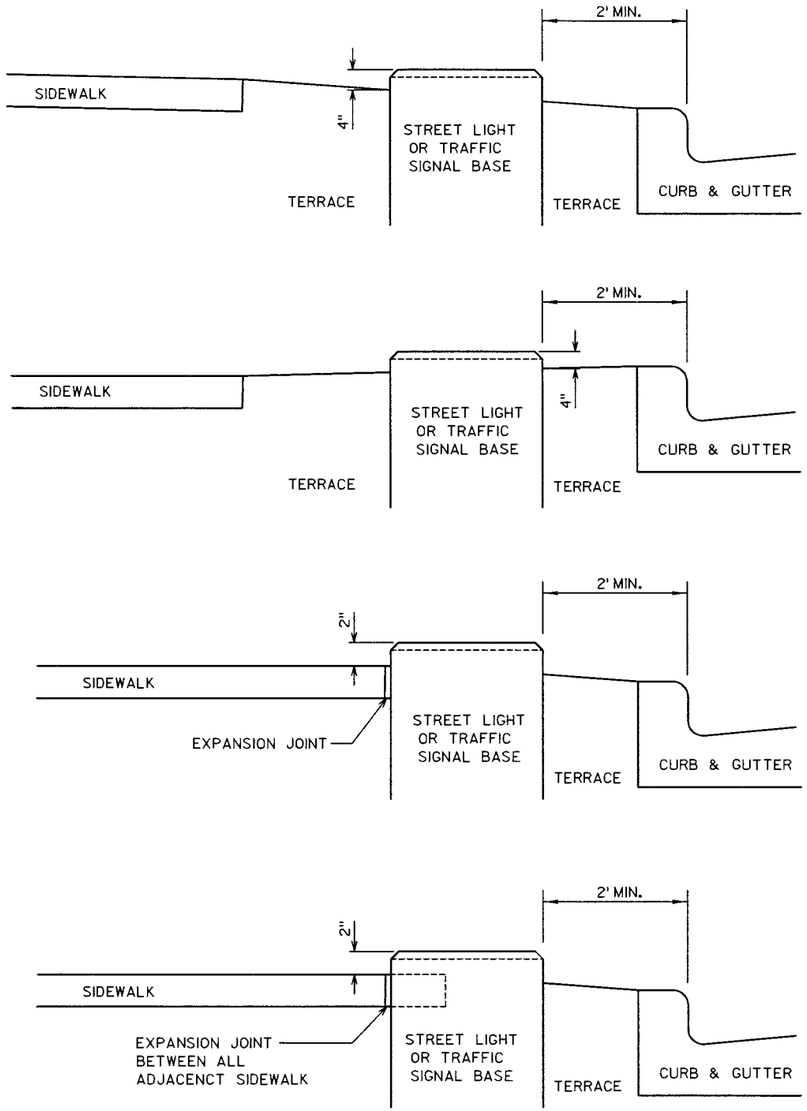


60 AMP AN CONTACTOR: 48 AMP MAX. LOAD
30 AMP MN CONTACTOR: 24 AMP MAX. LOAD

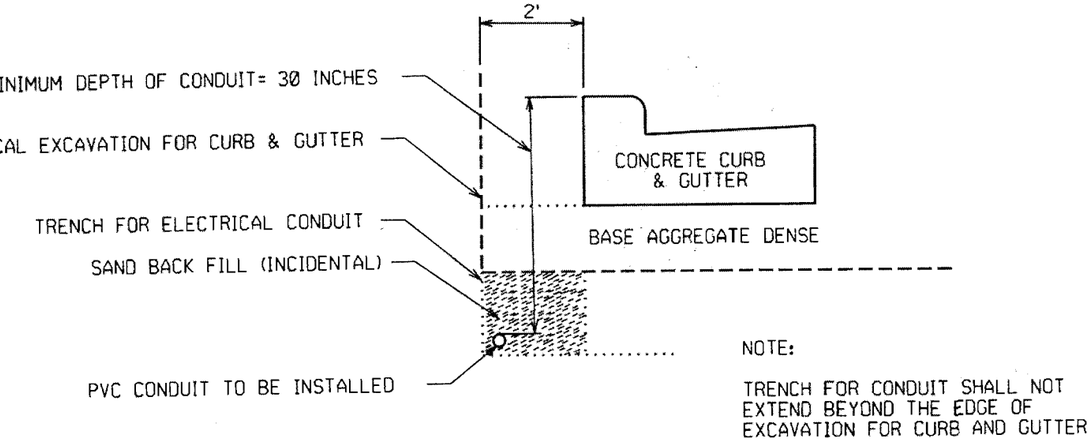
60 AMP CONTACTOR FOR #6 WIRE
100 AMP CONTACTOR FOR #4 WIRE

NOTE:
CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL

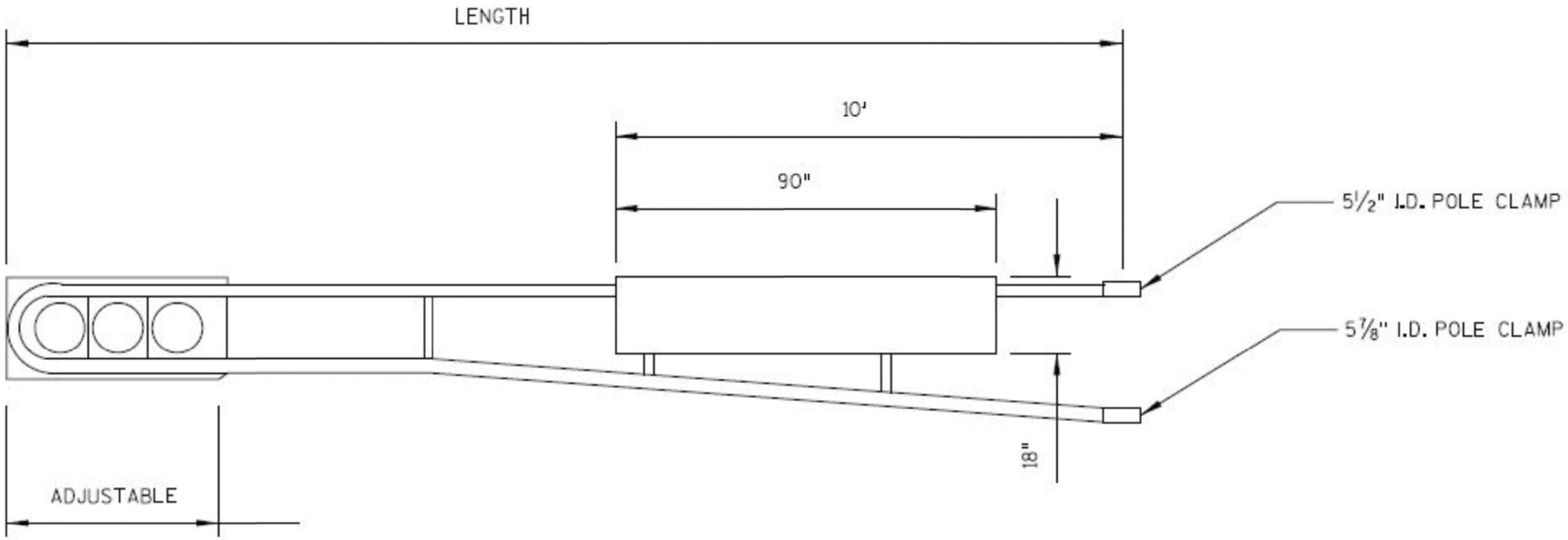


TYPICAL ELEVATIONS FOR CONCRETE BASES



TYPICAL CONDUIT INSTALLATION PARALLEL TO CURB & GUTTER

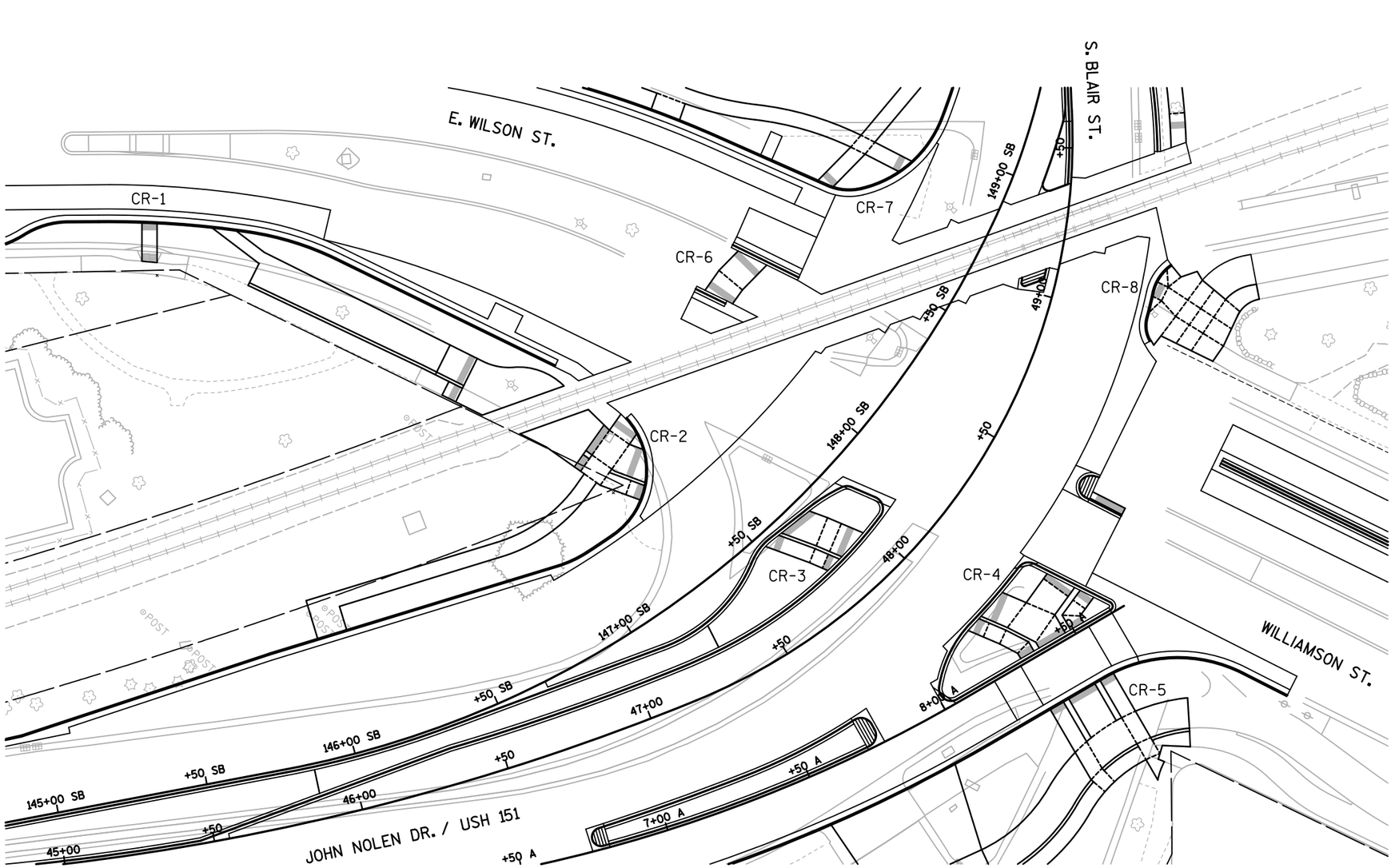
2



TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12, 15, 18, 22 FOOT

3-SECTION, 12" SIGNAL WITH BACKPLATE AND 18" X 90" ALUMINUM SIGN

2

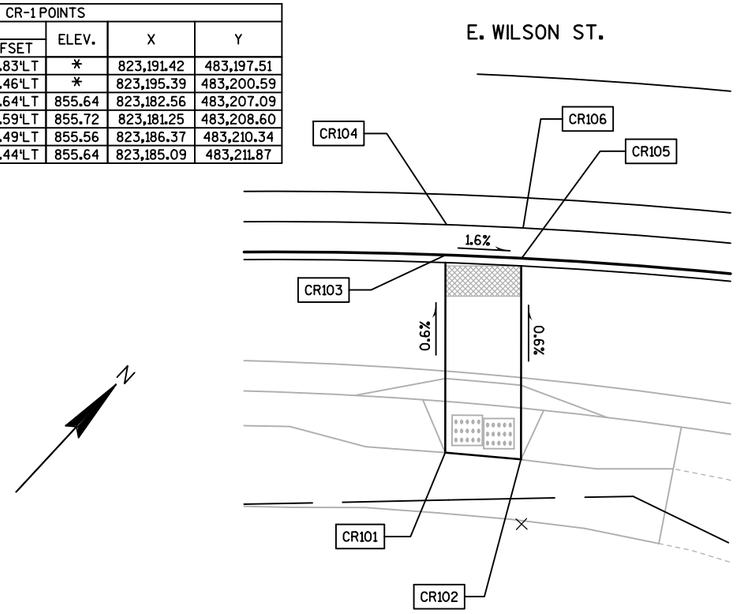


PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMP DETAILS OVERVIEW	SHEET 28	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\021002_cd_Curb Ramp.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

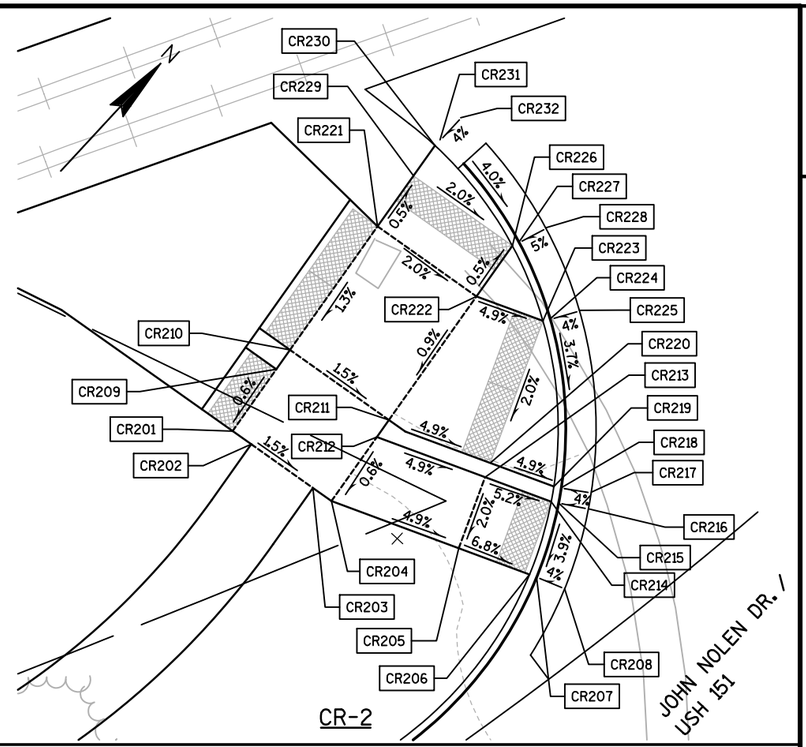
CR-1 POINTS					
POINT NO.	SB LINE STATION	SB LINE OFFSET	ELEV.	X	Y
CR101	145+61.16SB	173.83'LT	*	823,191.42	483,197.51
CR102	145+65.98SB	172.46'LT	*	823,195.39	483,200.59
CR103	145+63.62SB	186.64'LT	855.64	823,182.56	483,207.09
CR104	145+64.06SB	188.59'LT	855.72	823,181.25	483,208.60
CR105	145+68.50SB	185.49'LT	855.56	823,186.37	483,210.34
CR106	145+68.97SB	187.44'LT	855.64	823,185.09	483,211.87

* MATCH EXISTING



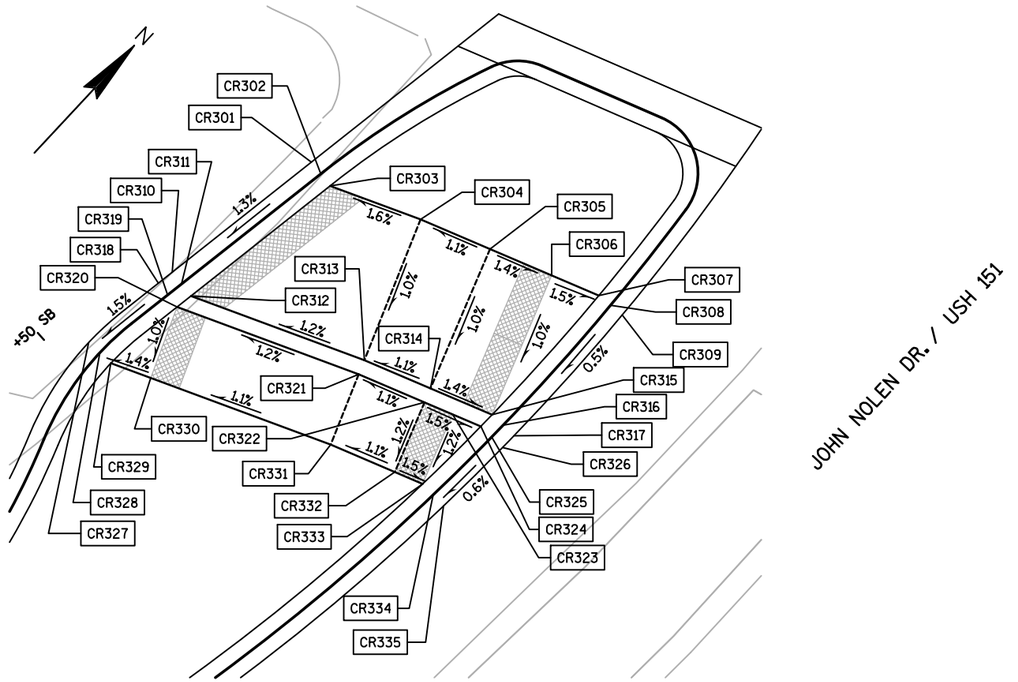
CR-1

CR-2 POINTS					
POINT NO.	SB LINE STATION	SB LINE OFFSET	ELEV.	X	Y
CR201	147+17.33SB	53.55'LT	852.81	823,344.80	483,245.34
CR202	147+17.91SB	52.13'LT	852.79	823,346.29	483,245.54
CR203	147+19.83SB	47.40'LT	852.71	823,351.24	483,246.20
CR204	147+20.39SB	45.98'LT	852.69	823,352.73	483,246.40
CR205	147+26.01SB	38.48'LT	852.25	823,361.00	483,249.84
CR206	147+29.02SB	34.27'LT	851.91	823,365.60	483,251.76
CR207	147+29.30SB	33.84'LT	851.90	823,366.07	483,251.93
CR208	147+30.41SB	32.11'LT	851.98	823,367.94	483,252.64
CR209	147+23.01SB	55.15'LT	852.84	823,344.14	483,250.30
CR210	147+24.80SB	55.64'LT	852.85	823,343.93	483,251.85
CR211	147+27.68SB	48.01'LT	852.73	823,351.86	483,252.91
CR212	147+26.13SB	47.59'LT	852.72	823,352.05	483,251.53
CR213	147+30.83SB	41.14'LT	852.35	823,359.08	483,254.46
CR214	147+33.60SB	37.18'LT	852.11	823,363.38	483,256.25
CR215	147+33.97SB	36.80'LT	852.10	823,363.80	483,256.51
CR216	147+35.43SB	35.28'LT	852.18	823,365.50	483,257.57
CR217	147+36.37SB	36.02'LT	852.22	823,364.89	483,258.51
CR218	147+34.84SB	37.49'LT	852.14	823,363.24	483,257.38
CR219	147+34.46SB	37.85'LT	852.15	823,362.82	483,257.10
CR220	147+31.81SB	41.67'LT	852.37	823,358.70	483,255.38
CR221	147+36.41SB	58.53'LT	852.98	823,342.61	483,261.76
CR222	147+38.99SB	50.83'LT	852.82	823,350.54	483,262.82
CR223	147+41.75SB	46.78'LT	852.57	823,354.86	483,264.62
CR224	147+42.29SB	46.58'LT	852.56	823,355.11	483,265.04
CR225	147+44.41SB	45.77'LT	852.66	823,356.14	483,266.76
CR226	147+43.68SB	51.88'LT	852.80	823,350.00	483,266.87
CR227	147+44.26SB	51.78'LT	852.79	823,350.16	483,267.34
CR228	147+46.58SB	51.35'LT	852.87	823,350.81	483,269.24
CR229	147+41.22SB	59.62'LT	852.96	823,342.07	483,265.81
CR230	147+44.13SB	60.24'LT	853.14	823,341.74	483,268.24
CR231	147+44.74SB	60.30'LT	853.13	823,341.74	483,268.74
CR232	147+47.17SB	60.53'LT	853.21	823,341.74	483,270.74



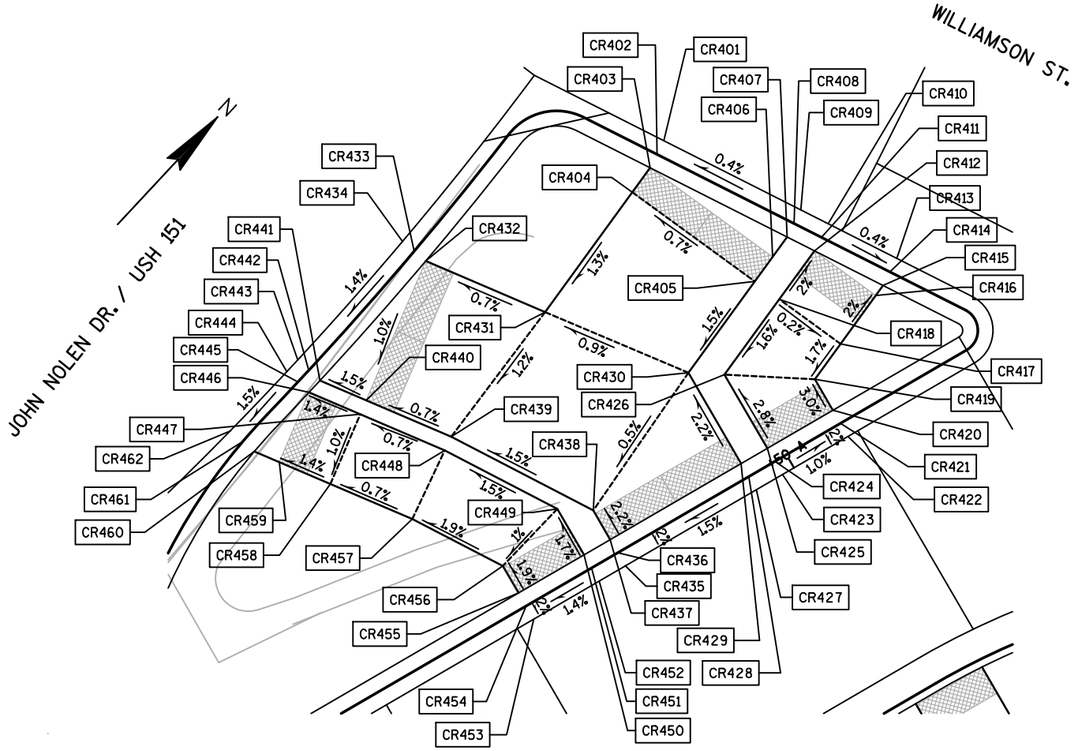
CR-2

CR-3 POINTS					
POINT NO.	SB LINE STATION	SB LINE OFFSET	ELEV.	X	Y
CR301	147+70.80SB	3.49'RT	852.48	823,407.14	483,287.50
CR302	147+70.68SB	4.48'RT	852.44	823,408.12	483,287.34
CR303	147+70.57SB	5.47'RT	852.45	823,409.11	483,287.19
CR304	147+73.15SB	11.26'RT	852.55	823,414.99	483,289.64
CR305	147+74.90SB	15.91'RT	852.60	823,419.69	483,291.33
CR306	147+76.41SB	20.04'RT	852.54	823,423.85	483,292.82
CR307	147+77.54SB	23.20'RT	852.49	823,427.04	483,293.97
CR308	147+77.60SB	24.20'RT	852.48	823,428.04	483,294.02
CR309	147+77.67SB	25.20'RT	852.52	823,429.03	483,294.08
CR310	147+59.24SB	2.35'RT	852.33	823,405.35	483,275.92
CR311	147+59.17SB	3.35'RT	852.29	823,406.34	483,275.77
CR312	147+59.09SB	4.34'RT	852.30	823,407.33	483,275.62
CR313	147+64.35SB	15.28'RT	852.45	823,418.60	483,280.31
CR314	147+66.11SB	19.66'RT	852.50	823,423.07	483,281.91
CR315	147+67.70SB	23.74'RT	852.44	823,427.23	483,283.41
CR316	147+67.73SB	24.74'RT	852.43	823,428.23	483,283.39
CR317	147+67.76SB	25.74'RT	852.47	823,429.23	483,283.38
CR318	147+58.09SB	2.26'RT	852.32	823,405.18	483,274.77
CR319	147+58.01SB	3.26'RT	852.28	823,406.17	483,274.61
CR320	147+57.94SB	4.25'RT	852.29	823,407.15	483,274.46
CR321	147+63.48SB	15.70'RT	852.44	823,418.96	483,279.38
CR322	147+65.24SB	20.05'RT	852.49	823,423.41	483,280.97
CR323	147+65.97SB	21.89'RT	852.46	823,425.29	483,281.65
CR324	147+66.70SB	23.77'RT	852.43	823,427.21	483,282.34
CR325	147+66.73SB	24.77'RT	852.42	823,428.21	483,282.32
CR326	147+66.75SB	25.77'RT	852.46	823,429.21	483,282.29
CR327	147+52.09SB	2.08'RT	852.23	823,404.48	483,268.77
CR328	147+52.18SB	3.07'RT	852.19	823,405.48	483,268.77
CR329	147+52.27SB	4.07'RT	852.20	823,406.48	483,268.76
CR330	147+53.57SB	6.56'RT	852.24	823,409.07	483,269.84
CR331	147+59.17SB	17.81'RT	852.38	823,420.77	483,274.71
CR332	147+60.92SB	22.02'RT	852.43	823,425.10	483,276.27
CR333	147+61.67SB	23.86'RT	852.40	823,426.98	483,276.94
CR334	147+61.68SB	24.86'RT	852.39	823,427.98	483,276.88
CR335	147+61.68SB	25.86'RT	852.43	823,428.98	483,276.82



CR-3

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS - CURB RAMPS	SHEET 29	E

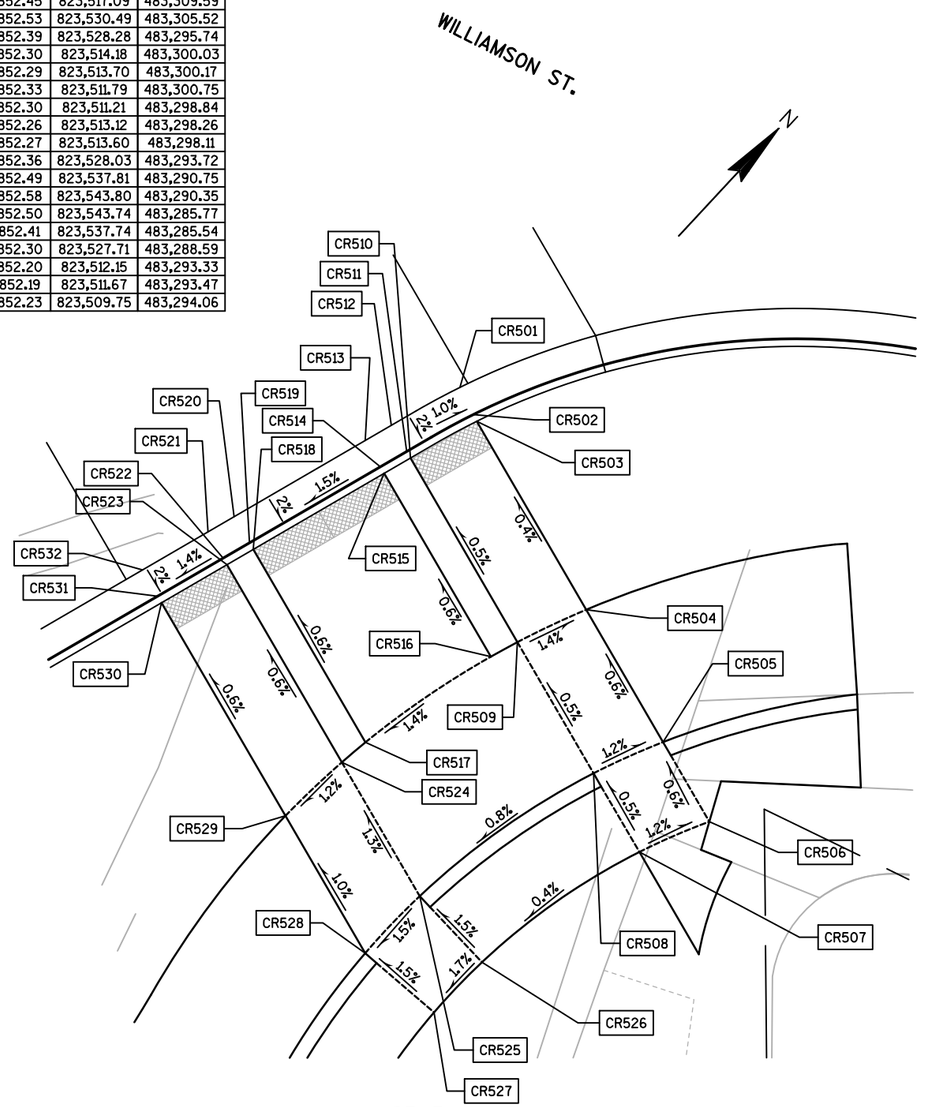


CR-4

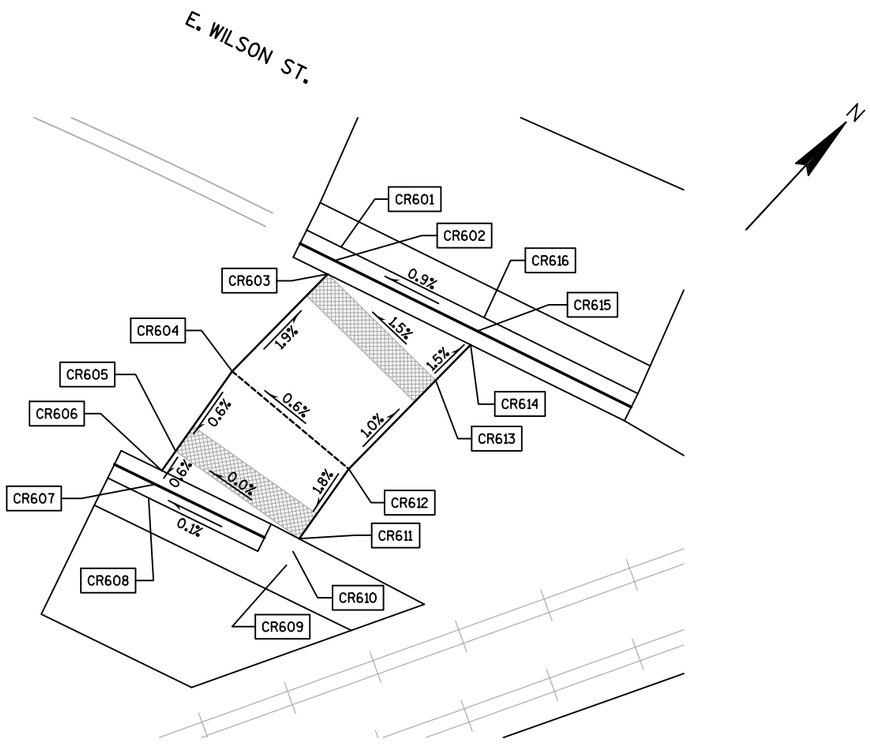
CR-4 POINTS					
POINT NO.	A LINE		ELEV.	X	Y
	STATION	OFFSET			
CR401	8+53.42A	22.98'LT	852.70	823,480.19	483,327.40
CR402	8+52.58A	22.44'LT	852.66	823,480.47	483,326.44
CR403	8+51.74A	21.89'LT	852.67	823,480.75	483,325.48
CR404	8+49.91A	21.09'LT	852.71	823,480.99	483,323.49
CR405	8+53.95A	11.94'LT	852.78	823,490.92	483,324.69
CR406	8+55.78A	12.74'LT	852.74	823,490.68	483,326.67
CR407	8+57.27A	13.40'LT	852.71	823,490.48	483,328.29
CR408	8+58.11A	13.95'LT	852.70	823,490.21	483,329.25
CR409	8+58.94A	14.49'LT	852.74	823,489.93	483,330.21
CR410	8+60.05A	12.79'LT	852.75	823,491.87	483,330.77
CR411	8+59.21A	12.25'LT	852.71	823,492.15	483,329.81
CR412	8+58.37A	11.70'LT	852.72	823,492.43	483,328.85
CR413	8+62.81A	8.55'LT	852.73	823,496.74	483,332.18
CR414	8+61.97A	8.00'LT	852.69	823,497.02	483,331.22
CR415	8+61.13A	7.46'LT	852.70	823,497.30	483,330.26
CR416	8+60.39A	7.13'LT	852.71	823,497.39	483,329.45
CR417	8+56.77A	5.53'LT	852.79	823,497.87	483,325.52
CR418	8+54.75A	10.11'LT	852.80	823,492.90	483,324.93
CR419	8+54.13A	4.37'LT	852.74	823,498.21	483,322.66
CR420	8+54.13A	2.00'LT	852.81	823,500.48	483,321.97
CR421	8+54.13A	1.00'LT	852.79	823,501.43	483,321.68
CR422	8+54.13A	0.00'RT	852.77	823,502.39	483,321.38
CR423	8+49.13A	0.00'RT	852.82	823,500.93	483,316.60
CR424	8+49.13A	1.00'LT	852.84	823,499.98	483,316.89
CR425	8+49.13A	2.00'LT	852.86	823,499.02	483,317.18
CR426	8+49.13A	7.63'LT	852.70	823,493.64	483,318.82
CR427	8+47.13A	0.00'RT	852.78	823,500.35	483,314.69
CR428	8+47.13A	1.00'LT	852.80	823,499.40	483,314.98
CR429	8+47.13A	2.00'LT	852.82	823,498.44	483,315.27
CR430	8+47.13A	8.93'LT	852.67	823,491.81	483,317.29
CR431	8+40.96A	17.14'LT	852.58	823,482.16	483,313.78

CR-4 POINTS					
POINT NO.	A LINE		ELEV.	X	Y
	STATION	OFFSET			
CR432	8+35.84A	24.02'LT	852.52	823,474.09	483,310.88
CR433	8+35.50A	24.96'LT	852.51	823,473.09	483,310.83
CR434	8+35.17A	25.90'LT	852.55	823,472.09	483,310.78
CR435	8+37.13A	0.00'RT	852.63	823,497.44	483,305.12
CR436	8+37.13A	1.00'LT	852.65	823,496.48	483,305.41
CR437	8+37.13A	2.00'LT	852.67	823,495.53	483,305.70
CR438	8+37.13A	4.23'LT	852.62	823,493.40	483,306.35
CR439	8+31.47A	13.15'LT	852.46	823,483.22	483,303.53
CR440	8+27.82A	18.04'LT	852.42	823,477.47	483,301.47
CR441	8+25.84A	20.70'LT	852.37	823,474.35	483,300.35
CR442	8+25.55A	21.66'LT	852.36	823,473.35	483,300.34
CR443	8+25.25A	22.61'LT	852.40	823,472.35	483,300.34
CR444	8+24.25A	22.31'LT	852.39	823,472.35	483,299.29
CR445	8+24.53A	21.35'LT	852.35	823,473.35	483,299.29
CR446	8+24.82A	20.39'LT	852.36	823,474.35	483,299.28
CR447	8+27.02A	17.44'LT	852.41	823,477.81	483,300.53
CR448	8+30.65A	12.58'LT	852.45	823,483.52	483,302.58
CR449	8+35.13A	5.51'LT	852.58	823,491.58	483,304.81
CR450	8+35.13A	2.00'LT	852.64	823,494.95	483,303.79
CR451	8+35.13A	1.00'LT	852.62	823,495.90	483,303.50
CR452	8+35.13A	0.00'RT	852.60	823,496.86	483,303.21
CR453	8+30.13A	0.00'RT	852.53	823,495.40	483,298.42
CR454	8+30.13A	1.00'LT	852.55	823,494.45	483,298.71
CR455	8+30.13A	2.00'LT	852.57	823,493.49	483,299.01
CR456	8+30.13A	4.06'LT	852.53	823,491.52	483,299.61
CR457	8+26.52A	9.74'LT	852.40	823,485.03	483,297.81
CR458	8+23.01A	14.46'LT	852.36	823,479.50	483,295.82
CR459	8+20.81A	17.41'LT	852.31	823,476.04	483,294.58
CR460	8+19.74A	18.84'LT	852.28	823,474.36	483,293.97
CR461	8+19.41A	19.78'LT	852.27	823,473.36	483,293.93
CR462	8+19.05A	20.81'LT	852.31	823,472.27	483,293.88

CR-5 POINTS					
POINT NO.	A LINE		ELEV.	X	Y
	STATION	OFFSET			
CR501	8+54.29A	15.11'RT	852.46	823,516.89	483,317.14
CR502	8+54.16A	17.10'RT	852.42	823,518.76	483,316.44
CR503	8+54.13A	17.60'RT	852.43	823,519.23	483,316.26
CR504	8+54.13A	31.99'RT	852.49	823,532.99	483,312.07
CR505	8+54.13A	42.09'RT	852.55	823,542.65	483,309.13
CR506	8+54.13A	48.17'RT	852.58	823,548.47	483,307.36
CR507	8+49.13A	47.58'RT	852.64	823,546.45	483,302.75
CR508	8+49.13A	41.57'RT	852.61	823,540.70	483,304.50
CR509	8+49.13A	31.56'RT	852.56	823,531.13	483,307.41
CR510	8+49.13A	17.50'RT	852.49	823,517.68	483,311.51
CR511	8+49.13A	17.00'RT	852.48	823,517.20	483,311.65
CR512	8+49.13A	15.00'RT	852.52	823,515.28	483,312.23
CR513	8+47.13A	15.00'RT	852.48	823,514.70	483,310.32
CR514	8+47.13A	17.00'RT	852.44	823,516.62	483,309.74
CR515	8+47.13A	17.50'RT	852.45	823,517.09	483,309.59
CR516	8+47.13A	31.50'RT	852.53	823,530.49	483,305.52
CR517	8+37.13A	32.23'RT	852.39	823,528.28	483,295.74
CR518	8+37.13A	17.50'RT	852.30	823,514.18	483,300.03
CR519	8+37.13A	17.00'RT	852.29	823,513.70	483,300.17
CR520	8+37.13A	15.00'RT	852.33	823,511.79	483,300.75
CR521	8+35.13A	15.00'RT	852.30	823,511.21	483,298.84
CR522	8+35.13A	17.00'RT	852.26	823,513.12	483,298.26
CR523	8+35.13A	17.50'RT	852.27	823,513.60	483,298.11
CR524	8+35.13A	32.59'RT	852.36	823,528.03	483,293.72
CR525	8+35.13A	42.81'RT	852.49	823,537.81	483,290.75
CR526	8+36.49A	48.65'RT	852.58	823,543.80	483,290.35
CR527	8+32.09A	49.92'RT	852.50	823,543.74	483,285.77
CR528	8+30.13A	44.25'RT	852.41	823,537.74	483,285.54
CR529	8+30.13A	33.77'RT	852.30	823,527.71	483,288.59
CR530	8+30.13A	17.50'RT	852.20	823,512.15	483,293.33
CR531	8+30.13A	17.00'RT	852.19	823,511.67	483,293.47
CR532	8+30.13A	15.00'RT	852.23	823,509.75	483,294.06

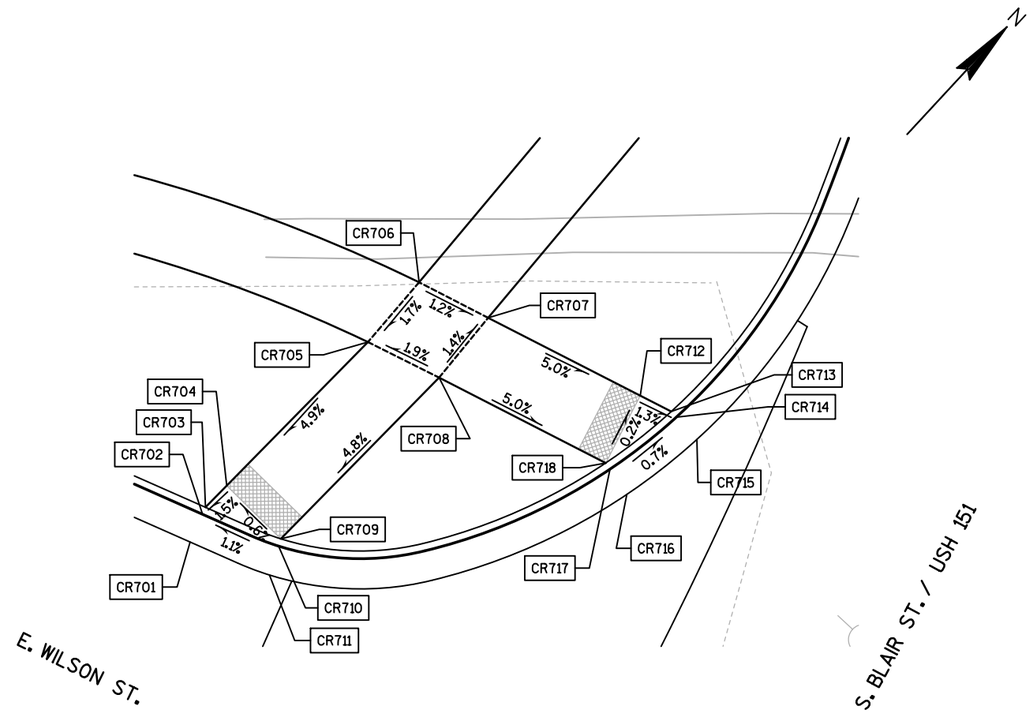


CR-5



CR-6

CR-6 POINTS					
POINT NO.	SB LINE		ELEV.	X	Y
	STATION	OFFSET			
CR601	148+28.91SB	68.54'LT	853.27	823,332.82	483,336.00
CR602	148+27.66SB	68.38'LT	853.23	823,333.11	483,335.04
CR603	148+26.41SB	68.23'LT	853.24	823,333.39	483,334.09
CR604	148+15.12SB	69.51'LT	853.41	823,333.15	483,325.09
CR605	148+06.93SB	69.21'LT	853.37	823,334.00	483,318.69
CR606	148+04.93SB	69.11'LT	853.36	823,334.21	483,317.13
CR607	148+03.69SB	68.88'LT	853.35	823,334.50	483,316.17
CR608	148+02.46SB	68.65'LT	853.39	823,334.79	483,315.21
CR609	148+05.35SB	58.79'LT	853.40	823,344.48	483,318.16
CR610	148+06.54SB	59.02'LT	853.36	823,344.18	483,319.12
CR611	148+07.66SB	59.22'LT	853.37	823,343.91	483,320.02
CR612	148+14.56SB	59.49'LT	853.47	823,343.16	483,325.62
CR613	148+24.47SB	58.35'LT	853.39	823,343.39	483,333.81
CR614	148+28.42SB	57.83'LT	853.34	823,343.48	483,337.10
CR615	148+29.62SB	57.98'LT	853.33	823,343.19	483,338.06
CR616	148+30.83SB	58.12'LT	853.37	823,342.91	483,339.02

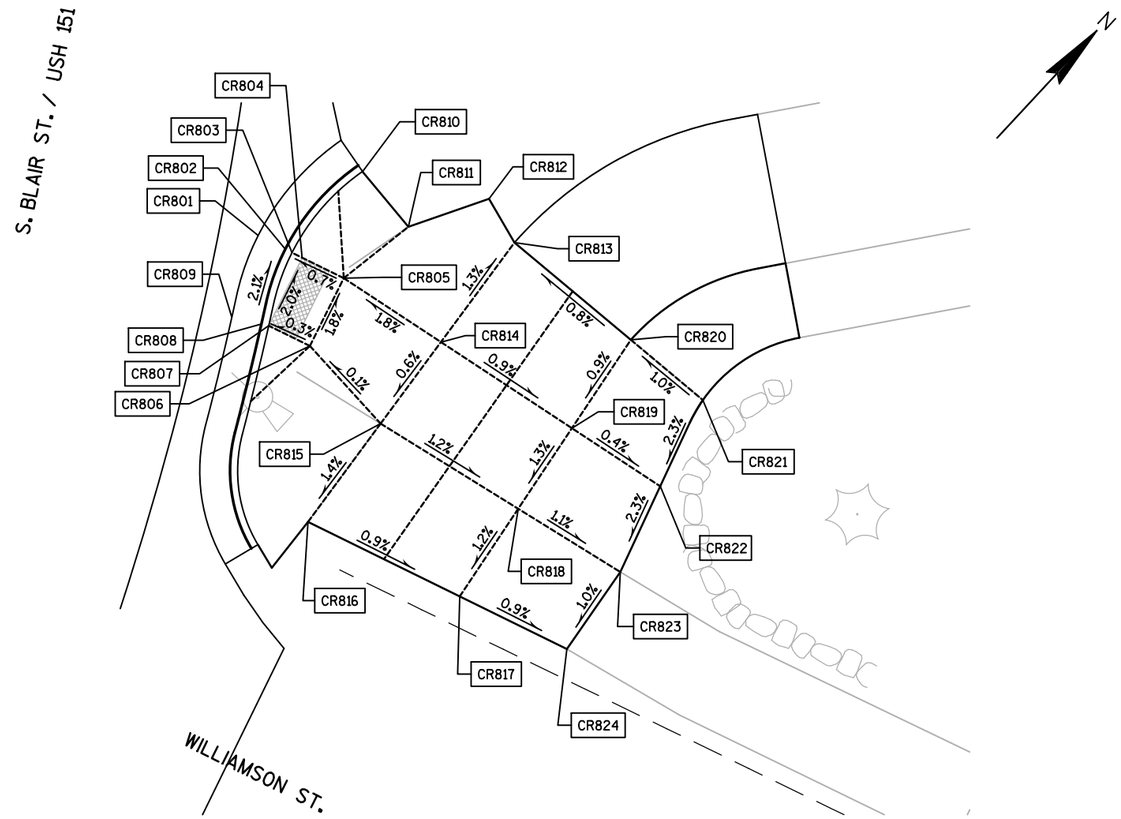


CR-7

CR-7 POINTS					
POINT NO.	SB LINE		ELEV.	X	Y
	STATION	OFFSET			
CR701	148+65.32SB	57.74'LT	853.00	823,337.67	483,366.88
CR702	148+67.74SB	57.89'LT	852.92	823,337.02	483,368.77
CR703	148+68.35SB	57.93'LT	852.93	823,336.86	483,369.24
CR704	148+70.67SB	57.35'LT	852.96	823,336.91	483,371.24
CR705	148+86.20SB	53.17'LT	853.61	823,337.28	483,384.54
CR706	148+92.65SB	51.66'LT	853.70	823,337.07	483,389.72
CR707	148+92.18SB	46.55'LT	853.64	823,342.00	483,391.11
CR708	148+85.94SB	47.92'LT	853.71	823,342.32	483,386.01
CR709	148+68.93SB	52.56'LT	852.99	823,341.91	483,371.10
CR710	148+68.35SB	52.47'LT	852.98	823,342.13	483,370.65
CR711	148+66.01SB	52.10'LT	853.06	823,342.99	483,368.84
CR712	148+91.22SB	35.30'LT	853.08	823,352.85	483,394.18
CR713	148+91.04SB	33.00'LT	853.05	823,355.07	483,394.81
CR714	148+90.79SB	32.54'LT	853.04	823,355.57	483,394.77
CR715	148+89.84SB	30.72'LT	853.12	823,357.56	483,394.60
CR716	148+83.77SB	33.43'LT	853.16	823,356.65	483,388.80
CR717	148+84.99SB	35.14'LT	853.08	823,354.70	483,389.26
CR718	148+85.30SB	35.57'LT	853.09	823,354.21	483,389.37

CR-8 POINTS					
POINT NO.	MAINLINE STATION	MAINLINE OFFSET	ELEV.	X	Y
CR801	49+12.61	30.55'RT	853.03	823,439.51	483,420.24
CR802	49+12.15	32.48'RT	852.95	823,441.43	483,420.79
CR803	49+12.04	32.96'RT	852.96	823,441.91	483,420.93
CR804	49+11.88	33.69'RT	852.97	823,442.63	483,421.14
CR805	49+11.23	36.65'RT	852.99	823,445.56	483,422.02
CR806	49+07.12	35.44'RT	853.08	823,446.97	483,417.23
CR807	49+07.72	32.49'RT	853.07	823,444.07	483,416.36
CR808	49+07.71	31.99'RT	853.06	823,443.64	483,416.10
CR809	49+07.71	29.99'RT	853.14	823,441.91	483,415.09
CR810	49+17.27	36.53'RT	*	823,441.68	483,428.02
CR811	49+14.72	40.17'RT	*	823,446.38	483,427.41
CR812	49+17.02	45.06'RT	*	823,449.01	483,432.38
CR813	49+14.96	47.25'RT	*	823,452.22	483,431.42
CR814	49+08.92	43.82'RT	853.13	823,453.13	483,423.30
CR815	49+03.85	41.17'RT	853.09	823,453.88	483,416.65
CR816	48+97.59	38.20'RT	*	823,454.78	483,408.63
CR817	48+95.98	49.18'RT	*	823,465.47	483,411.85
CR818	49+01.25	51.36'RT	852.96	823,464.36	483,418.72
CR819	49+06.02	53.51'RT	853.04	823,463.34	483,425.02
CR820	49+11.16	56.03'RT	853.10	823,462.21	483,431.94
CR821	49+08.93	61.53'RT	853.16	823,468.41	483,432.27
CR822	49+04.18	60.08'RT	853.01	823,470.22	483,426.18
CR823	48+99.45	58.96'RT	*	823,472.15	483,420.25
CR824	48+94.92	56.94'RT	*	823,473.01	483,414.12

* MATCH EXISTING



CR-8

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SB LINE STATION	SB LINE OFFSET	ELEV.	X	Y	REMARKS
A101	43+61.46	32.99'LT	143+62.09SB	26.94'LT	---	823,190.64	482,952.45	MATCH EXISIT.; EOP
A102	43+63.41	32.93'LT	143+64.07SB	26.84'LT	850.77	823,191.96	482,953.93	EOP; BEGIN RADIUS
A103	44+71.62	39.35'LT	144+74.85SB	24.58'LT	850.10	823,260.53	483,039.56	EOP; END RADIUS
A104	45+07.18	42.62'LT	145+08.73SB	25.04'LT	850.09	823,280.23	483,067.13	EOP
A105	45+07.02	44.63'LT	145+08.70SB	27.06'LT	850.07	823,278.59	483,068.30	EOP
A106	45+81.31	54.85'LT	145+78.74SB	36.26'LT	850.22	823,312.51	483,129.98	EOP
A107	45+98.42	71.43'LT	145+96.85SB	52.97'LT	850.88	823,307.54	483,152.30	BOW
A108	44+48.02	10.00'LT	144+48.39SB	2.00'RT	---	823,266.27	483,002.50	BOC; END CONCRETE SIDEWALK 5-INCH
A109	44+48.02	2.00'LT	144+47.49SB	9.95'RT	---	823,272.14	482,997.07	BOC; END CONCRETE SIDEWALK 5-INCH
A110	45+87.54	16.48'LT	145+85.76SB	2.00'RT	---	823,347.57	483,113.29	BOC; BEGIN CONCRETE SIDEWALK 5-INCH
A111	45+87.45	8.48'LT	145+85.76SB	10.00'RT	---	823,354.15	483,108.74	BOC; BEGIN CONCRETE SIDEWALK 5-INCH
A112	45+55.09	1.66'LT	145+54.03SB	17.31'RT	850.87	823,341.19	483,078.54	EOP
A113	45+55.09	0.00'RT	145+54.03SB	18.97'RT	850.90	823,342.52	483,077.55	EOP
A114	44+89.46	33.36'RT	144+85.72SB	49.48'RT	849.97	823,326.64	483,004.45	EOP; BEGIN RADIUS
A115	57+38.90	548.84'LT	144+61.11SB	1,024.48'LT	---	822,446.85	483,620.86	R=1,000'
A116	---	---	---	---	---	821,123.93	485,041.14	R=3,000'
A117	45+24.18	47.59'LT	145+25.00 SB	29.21'LT	850.02	823,286.51	483,082.71	EOP; LOW POINT

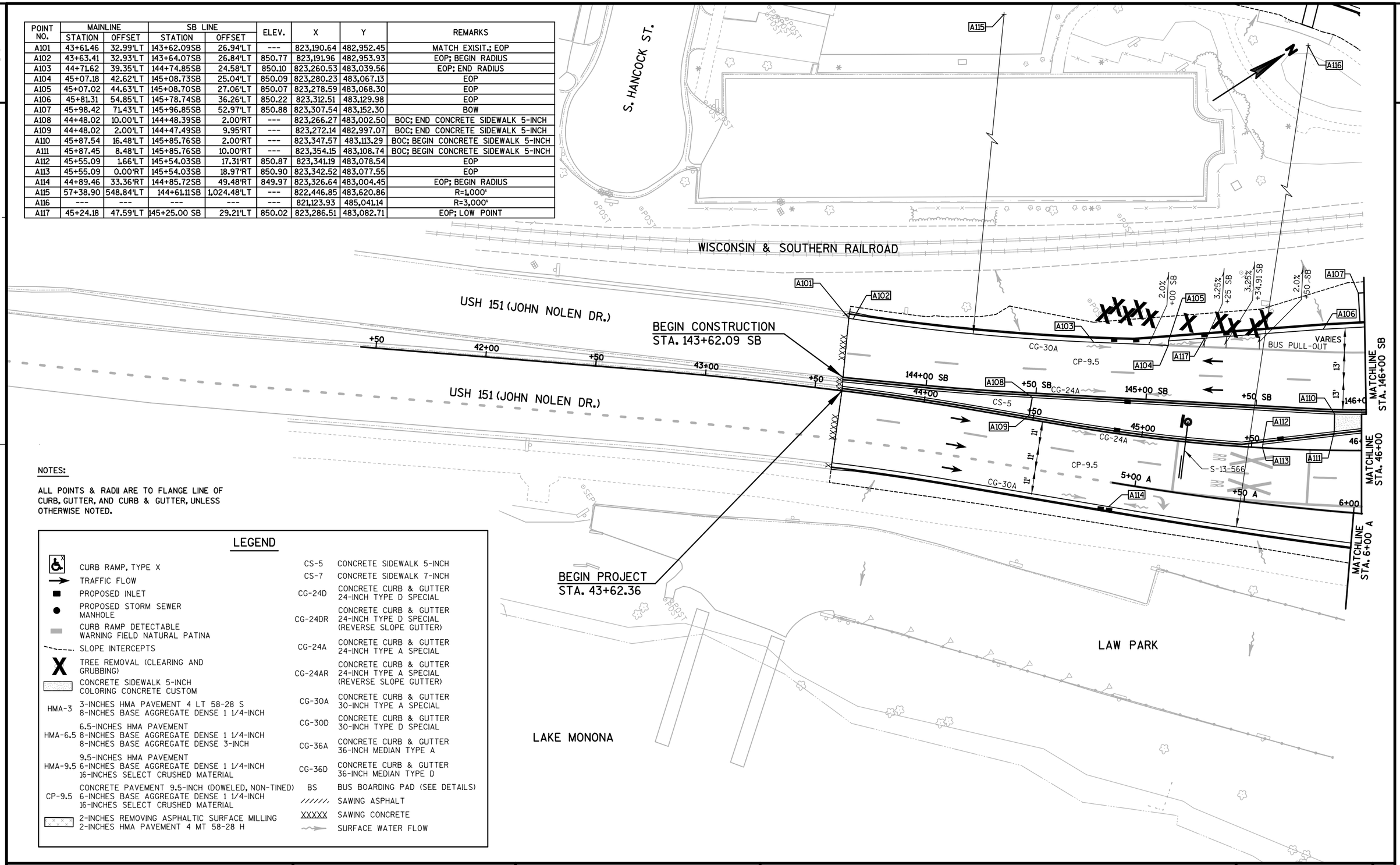
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

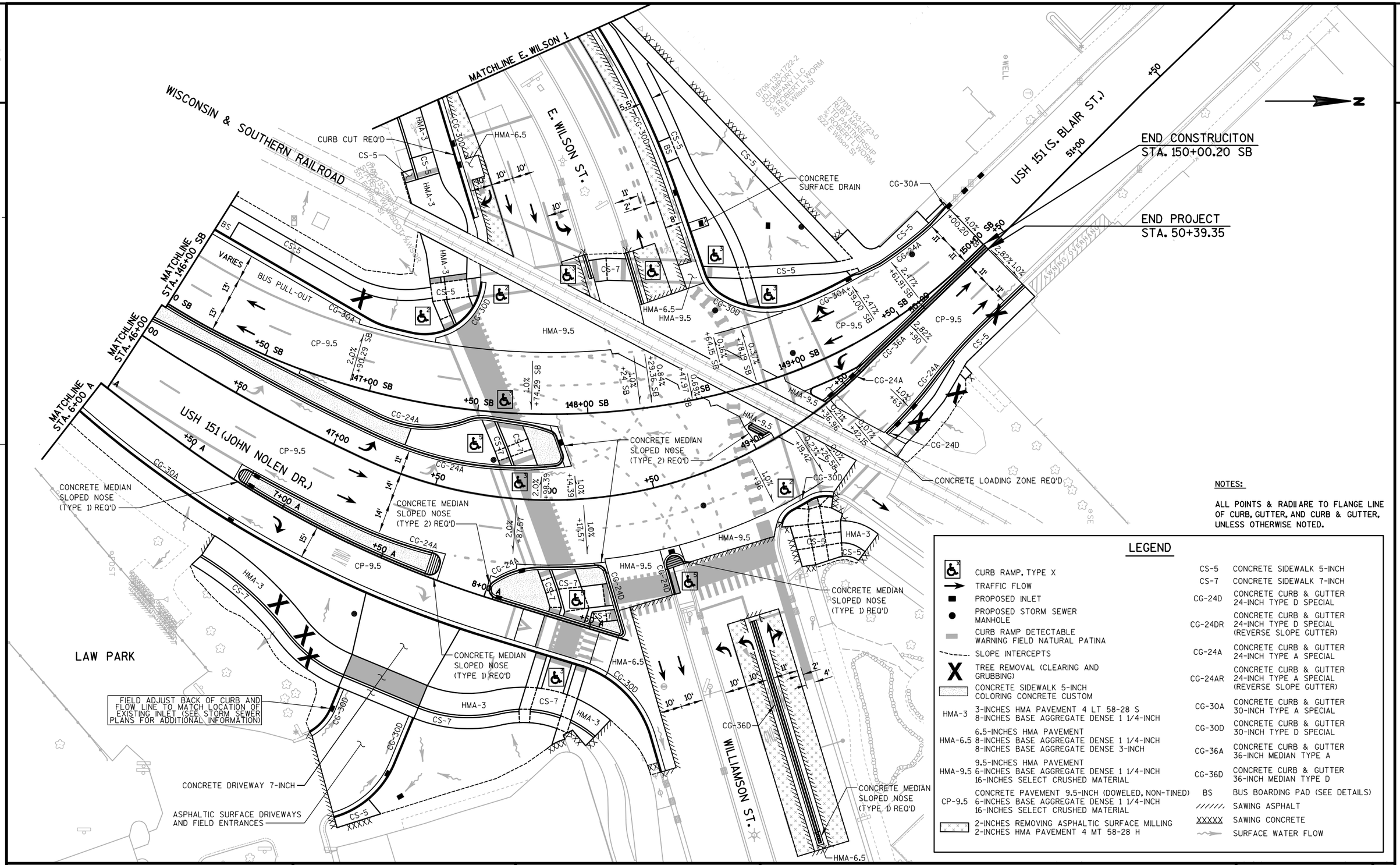
LEGEND

- CURB RAMP, TYPE X
- TRAFFIC FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- SLOPE INTERCEPTS
- X TREE REMOVAL (CLEARING AND GRUBBING)
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- HMA-3: 3-INCHES HMA PAVEMENT 4 LT 58-28 S, 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- HMA-6.5: 6.5-INCHES HMA PAVEMENT, 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCHES BASE AGGREGATE DENSE 3-INCH
- HMA-9.5: 9.5-INCHES HMA PAVEMENT, 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCHES SELECT CRUSHED MATERIAL
- CP-9.5: CONCRETE PAVEMENT 9.5-INCH (DOWELED, NON-TINED), 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCHES SELECT CRUSHED MATERIAL
- 2-INCHES REMOVING ASPHALTIC SURFACE MILLING, 2-INCHES HMA PAVEMENT 4 MT 58-28 H

- CS-5: CONCRETE SIDEWALK 5-INCH
- CS-7: CONCRETE SIDEWALK 7-INCH
- CG-24D: CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
- CG-24DR: CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
- CG-24A: CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
- CG-24AR: CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
- CG-30A: CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
- CG-30D: CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
- CG-36A: CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A
- CG-36D: CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D
- BS: BUS BOARDING PAD (SEE DETAILS)
- ////// SAWING ASPHALT
- XXXXX SAWING CONCRETE
- SURFACE WATER FLOW



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN DETAIL	SHEET 33	E



LEGEND

- CURB RAMP, TYPE X
- TRAFFIC FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
- SLOPE INTERCEPTS
- X — TREE REMOVAL (CLEARING AND GRUBBING)
- CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM
- HMA-3 — 3-INCHES HMA PAVEMENT 4 LT 58-28 S, 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
- HMA-6.5 — 6.5-INCHES HMA PAVEMENT, 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH, 8-INCHES BASE AGGREGATE DENSE 3-INCH
- HMA-9.5 — 9.5-INCHES HMA PAVEMENT, 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCHES SELECT CRUSHED MATERIAL
- CP-9.5 — CONCRETE PAVEMENT 9.5-INCH (DOWELED, NON-TINED), 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH, 16-INCHES SELECT CRUSHED MATERIAL
- 2-INCHES REMOVING ASPHALTIC SURFACE MILLING, 2-INCHES HMA PAVEMENT 4 MT 58-28 H

CS-5	CONCRETE SIDEWALK 5-INCH
CS-7	CONCRETE SIDEWALK 7-INCH
CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
CG-36A	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A
CG-36D	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D
BS	BUS BOARDING PAD (SEE DETAILS)
//////	SAWING ASPHALT
XXXXX	SAWING CONCRETE
	SURFACE WATER FLOW

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN DETAIL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\021202_pd.dgn PLOT DATE : 8/25/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

MATCHLINE E. WILSON 1

WISCONSIN & SOUTHERN RAILROAD

E. WILSON ST.

USH 151 (S. BLAIR ST.)

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

LAW PARK

MATCHLINE STA. 146+00 SB

MATCHLINE STA. 46+00

MATCHLINE STA. 6+00 A

END CONSTRUCITON
STA. 150+00.20 SB

END PROJECT
STA. 50+39.35

B356 B360 B321 B162 B297 B296 B291 B320 B285 B349 B282 B329 B346 B331 B264 B261 B262 B358 B357 B253 B221 B252 B165 B103 B109 B362 B126 B173 B198 B197 B111 B112 B114 B119 B201 B200 B131 B361 B158 B159 B143 B142 B145 B359 B242

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN DETAIL	SHEET 35	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\021203_pd.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

MATCHLINE E. WILSON 1

WISCONSIN & SOUTHERN RAILROAD

E. WILSON ST.

USH 151 (S. BLAIR ST.)

END CONSTRUCITON
STA. 150+00.20 SB

END PROJECT
STA. 50+39.35

MATCHLINE STA. 146+00 SB

MATCHLINE STA. 46+00

MATCHLINE STA. 6+00 A

USH 151 (JOHN NOLEN DR.)

LAW PARK

WILLIAMSON ST.

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN DETAIL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\021204_pd.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SB LINE STATION	SB LINE OFFSET	A LINE STATION	A LINE OFFSET	ELEV.	X	Y	REMARKS
B101	46+01.31	42.75'RT	145+98.54SB	61.23'RT	6+06.11A	14.00'RT	850.40	823,404.66	483,092.22	EOP; BEGIN RADIUS
B102	46+67.85	27.03'RT	146+58.65SB	49.76'RT	6+73.86A	7.79'LT	851.26	823,426.57	483,159.94	EOP
B103	46+71.61	31.11'RT	146+61.60SB	54.26'RT	6+78.10A	4.00'LT	---	823,432.02	483,161.46	FOC R=3'
B104	46+67.68	34.82'RT	146+57.77SB	57.49'RT	6+74.27A	0.00'RT	851.10	823,433.36	483,156.10	EOP
B105	46+70.98	71.97'RT	146+57.39SB	94.80'RT	6+80.16A	36.81'RT	---	823,467.76	483,141.65	MATCH EXIST.; BOW
B106	46+69.19	77.85'RT	146+55.43SB	100.45'RT	6+78.71A	42.81'RT	---	823,472.02	483,137.15	MATCH EXIST.; BOW
B107	46+72.80	78.13'RT	146+58.42SB	101.13'RT	6+82.36A	42.82'RT	851.37	823,474.13	483,140.51	BOW; BEGIN RADIUS
B108	47+21.70	28.25'RT	147+06.22SB	59.39'RT	7+31.19A	9.45'LT	851.67	823,452.59	483,209.87	EOP; END RADIUS; BEGIN RADIUS
B109	47+40.88	34.67'RT	147+23.77SB	69.02'RT	7+54.11A	4.59'LT	---	823,466.37	483,228.42	R=66'
B110	47+60.91	29.40'RT	147+43.36SB	66.27'RT	7+76.94A	12.62'LT	851.96	823,467.24	483,252.22	EOP
B111	47+56.20	34.33'RT	147+38.49SB	70.68'RT	7+72.12A	6.97'LT	---	823,470.85	483,245.81	FOC R=4'
B112	47+56.07	36.30'RT	147+38.22SB	72.62'RT	7+72.24A	5.00'LT	---	823,472.73	483,245.21	FOC R=4'
B113	47+59.86	41.97'RT	147+41.46SB	78.68'RT	7+77.52A	0.00'RT	851.75	823,479.26	483,248.36	EOP
B114	47+71.66	40.60'RT	147+52.98SB	78.39'RT	7+91.42A	3.56'LT	---	823,480.54	483,262.61	R=66'
B115	47+79.73	35.84'RT	147+60.97SB	74.16'RT	8+00.14A	9.98'LT	851.97	823,477.12	483,272.78	EOP
B116	47+81.92	36.36'RT	147+63.05SB	74.80'RT	8+02.82A	9.97'LT	851.98	823,477.92	483,275.28	EOP; BEGIN RADIUS
B117	47+89.37	29.50'RT	147+70.36SB	68.25'RT	8+09.97A	18.50'LT	852.18	823,471.83	483,284.52	EOP; BEGIN RADIUS
B118	47+89.37	31.63'RT	147+70.32SB	70.37'RT	8+10.45A	16.43'LT	852.14	823,473.95	483,284.38	EOP; END RADIUS; BEGIN RADIUS
B119	47+83.01	41.70'RT	147+63.92SB	80.18'RT	8+05.19A	5.00'LT	---	823,483.36	483,276.04	FOC R=4'
B120	47+78.17	45.64'RT	147+59.08SB	83.86'RT	8+00.14A	0.00'RT	851.89	823,486.63	483,269.75	EOP
B121	47+92.97	49.58'RT	147+73.46SB	88.42'RT	8+18.88A	0.00'RT	852.01	823,492.13	483,287.66	EOP; BEGIN RAISED CROSSING
B122	48+00.67	52.20'RT	147+81.00SB	91.16'RT	8+28.88A	0.00'RT	852.51	823,495.04	483,297.23	EOP; RAISED CROSSING TOP
B123	47+81.03	61.59'RT	147+61.34SB	99.96'RT	8+06.55A	15.00'RT	851.63	823,502.89	483,271.50	EOP; END RADIUS
B124	47+90.21	64.15'RT	147+70.47SB	102.92'RT	8+18.88A	15.00'RT	851.71	823,506.48	483,283.29	EOP; BEGIN RAISED CROSSING
B125	47+97.51	66.63'RT	147+77.77SB	105.56'RT	8+28.88A	15.00'RT	852.21	823,509.39	483,292.86	EOP; RAISED CROSSING TOP
B126	48+20.89	34.50'RT	148+00.41SB	73.06'RT	8+46.28A	24.79'LT	---	823,476.39	483,321.09	FOC R=4'
B127	48+19.84	60.70'RT	148+00.12SB	99.30'RT	8+54.88A	0.00'RT	852.75	823,502.61	483,322.10	EOP; RAISED CROSSING TOP
B128	48+27.58	51.96'RT	148+07.52SB	90.15'RT	8+60.62A	11.92'LT	852.75	823,492.88	483,331.06	EOP
B129	48+31.52	51.23'RT	148+11.37SB	89.16'RT	8+64.81A	14.64'LT	---	823,491.49	483,335.87	MATCH EXIST.; EOP
B130	48+26.08	64.13'RT	148+06.47SB	102.40'RT	8+63.76A	0.00'RT	852.62	823,505.19	483,330.60	EOP; END RAISED CROSSING; BEGIN RADIUS
B131	48+26.85	61.84'RT	148+07.16SB	100.07'RT	8+63.76A	2.50'LT	---	823,502.80	483,331.33	R=2.5'
B132	48+28.74	61.45'RT	148+09.03SB	99.56'RT	8+65.86A	3.86'LT	852.70	823,502.11	483,333.73	EOP; END RADIUS
B133	48+13.12	73.34'RT	147+93.60SB	112.17'RT	8+51.00A	15.00'RT	852.50	823,515.83	483,314.02	EOP; BEGIN RADIUS
B134	48+15.74	74.83'RT	147+96.29SB	113.57'RT	8+54.88A	15.15'RT	852.45	823,517.10	483,317.69	EOP; RAISED CROSSING TOP
B135	48+21.31	79.48'RT	148+02.08SB	117.99'RT	8+63.76A	16.66'RT	852.29	823,521.13	483,325.75	EOP; END RAISED CROSSING
B136	48+15.96	107.71'RT	147+97.08SB	146.43'RT	8+66.78A	45.80'RT	---	823,549.89	483,320.15	MATCH EXIST.
B137	48+09.32	104.53'RT	147+90.00SB	143.43'RT	8+56.14A	46.25'RT	---	823,547.22	483,309.85	MATCH EXIST.; BOW
B138	48+06.53	106.55'RT	147+87.06SB	145.49'RT	8+52.73A	49.50'RT	---	823,549.34	483,305.64	MATCH EXIST.; BOW
B139	48+07.00	108.58'RT	147+87.58SB	147.51'RT	8+54.05A	51.21'RT	---	823,551.36	483,306.40	MATCH EXIST.; BOW
B140	48+13.00	111.82'RT	147+93.99SB	150.64'RT	8+63.91A	51.25'RT	---	823,554.26	483,315.82	MATCH EXIST.; BOW
B141	48+03.16	111.07'RT	147+83.49SB	150.03'RT	8+49.13A	55.38'RT	---	823,553.92	483,300.48	MATCH EXIST.; BOW
B142	48+02.52	120.81'RT	147+82.81SB	159.78'RT	8+51.00A	65.00'RT	---	823,563.66	483,299.47	R=50'
B143	48+09.72	128.11'RT	147+90.62SB	167.00'RT	8+64.35A	68.35'RT	---	823,570.76	483,311.27	R=20'
B144	47+87.98	102.82'RT	147+67.47SB	141.49'RT	8+24.51A	53.38'RT	852.78	823,544.84	483,277.51	BOW; END RADIUS; BEGIN RADIUS
B145	47+95.57	145.08'RT	147+75.14SB	183.97'RT	8+46.49A	91.50'RT	---	823,587.70	483,287.44	R=44'
B146	47+61.87	105.26'RT	147+39.77SB	141.99'RT	7+88.07A	62.35'RT	852.32	823,541.74	483,237.89	BOW
B147	47+61.48	105.15'RT	147+39.36SB	141.84'RT	7+87.53A	62.32'RT	852.31	823,541.51	483,237.32	BOW; BEGIN RADIUS
B148	47+60.26	104.80'RT	147+38.08SB	141.36'RT	7+85.86A	62.21'RT	852.30	823,540.79	483,235.58	BOW; EOP
B149	47+57.81	126.75'RT	147+34.34SB	162.96'RT	7+84.82A	84.46'RT	851.65	823,561.37	483,227.04	EOP; BEGIN RADIUS
B150	47+54.59	145.78'RT	147+29.86SB	181.51'RT	7+82.06A	103.97'RT	851.98	823,578.63	483,217.38	BOC; FOW
B151	47+58.50	150.87'RT	147+33.95SB	187.09'RT	7+88.06A	108.29'RT	---	823,585.15	483,222.84	MATCH EXIST.; BOW
B152	47+46.47	155.68'RT	147+20.30SB	190.19'RT	7+71.27A	115.18'RT	---	823,584.52	483,201.07	MATCH EXIST.; EOP; END RADIUS
B153	47+48.55	161.78'RT	147+22.30SB	196.60'RT	7+74.69A	120.93'RT	---	823,591.40	483,202.99	MATCH EXIST.; BOW
B154	47+39.29	100.71'RT	147+16.14SB	134.33'RT	7+57.48A	61.38'RT	852.11	823,528.53	483,206.02	BOW; EOP
B155	47+37.63	100.53'RT	147+14.40SB	133.87'RT	7+55.26A	61.40'RT	852.09	823,527.57	483,203.71	BOW
B156	47+37.22	100.49'RT	147+13.97SB	133.76'RT	7+54.72A	61.40'RT	852.09	823,527.34	483,203.14	BOW; END RADIUS
B157	47+38.79	110.98'RT	147+14.81SB	144.45'RT	7+57.51A	71.68'RT	851.51	823,538.04	483,202.08	EOP; BEGIN RADIUS
B158	47+23.34	110.15'RT	146+98.32SB	140.67'RT	7+36.62A	72.27'RT	---	823,528.84	483,179.91	R=24'
B159	47+33.29	122.48'RT	147+07.99SB	154.89'RT	7+50.73A	83.75'RT	---	823,546.05	483,190.09	R=40'
B160	47+34.98	125.44'RT	147+09.60SB	158.14'RT	7+53.21A	86.53'RT	---	823,549.76	483,191.67	MATCH EXIST.; EOP; END RADIUS
B161	47+14.51	91.26'RT	146+91.32SB	120.12'RT	7+24.82A	53.82'RT	852.15	823,506.42	483,175.96	BOW; END RADIUS; BEGIN RADIUS
B162	45+49.97	102.83'RT	145+48.18SB	121.78'RT	5+55.99A	77.68'RT	---	823,421.88	483,011.93	R=363'
B163	47+29.44	11.00'LT	147+19.20SB	22.07'RT	7+37.34A	49.10'LT	852.08	823,419.28	483,232.14	EOP; BEGIN RADIUS
B164	47+30.55	13.00'LT	147+20.48SB	20.27'RT	7+38.33A	51.17'LT	---	823,417.78	483,233.82	BOW; END CONCRETE SIDEWALK 5-INCH
B165	48+04.68	19.44'LT	147+84.70SB	19.52'RT	8+12.23A	69.81'LT	---	823,423.40	483,301.62	FOC R=4'
B166	48+13.07	15.20'LT	147+91.93SB	23.65'RT	8+20.84A	68.25'LT	852.74	823,427.41	483,309.40	EOP
B167	48+24.48	28.00'RT	148+03.60SB	66.40'RT	8+47.61A	32.39'LT	852.68	823,469.51	483,324.58	EOP; BEGIN RADIUS
B168	48+24.48	29.50'RT	148+03.66SB	67.89'RT	8+48.20A	31.01'LT	852.66	823,471.00	483,324.74	EOP; END RADIUS
B169	48+46.62	28.00'RT	148+24.57SB	64.66'RT	---	---	852.78	823,465.40	483,349.48	EOP
B170	48+54.49	28.00'RT	148+32.02SB	63.76'RT	---	---	852.82	823,463.28	483,358.19	EOP
B171	48+46.98	35.99'RT	148+25.51SB	72.57'RT	---	---	852.87	823,473.10	483,351.62	EOP; END RADIUS
B172	48+50.18	37.09'RT	148+28.67SB	73.32'RT	---	---	---	823,473.32	483,355.55	MATCH EXIST.; BOW
B173	48+51.05	35.79'RT	148+29.41SB	71.92'RT	---	---	---	823,471.81	483,356.25	R=4.8'
B174	48+55.11	35.28'RT	148+33.26SB	70.92'RT	---	---	852.85	823,470.13	483,360.75	EOP; END RADIUS
B175	48+55.22	36.72'RT	148+33.50SB	72.33'RT	---	---	---	823,471.48	483,361.26	MATCH EXIST.; EOP
B176	48+47.52	49.26'RT	148+27.00SB	85.74'RT	---	---	---	823,485.91	483,355.19	MATCH EXIST.; EOP
B177	48+50.56	49.10'RT	148+29.97SB	85.23'RT	---	---	---	823,484.88	483,358.83	MATCH EXIST.; BOW
B178	48+63.47	68.62'RT	148+44.46SB	102.88'RT	---	---	---	823,499.20	483,380.15	MATCH EXIST.; EGDE OF MILLING

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SB LINE STATION	SB LINE OFFSET	A LINE STATION	A LINE OFFSET	ELEV.	X	Y	REMARKS
B179	48+69.42	68.82'RT	148+50.51SB	102.11'RT	---	---	---	823,496.89	483,387.81	MATCH EXIST.; EOP
B180	48+70.84	70.90'RT	148+52.16SB	103.93'RT	---	---	---	823,498.22	483,390.31	MATCH EXIST.; EOP
B181	48+73.05	71.05'RT	148+54.42SB	103.69'RT	---	---	---	823,497.35	483,393.18	MATCH EXIST.; EOP
B182	48+74.62	69.18'RT	148+55.83SB	101.55'RT	---	---	---	823,494.86	483,394.51	MATCH EXIST.; EOP
B183	48+81.44	69.94'RT	148+62.86SB	100.99'RT	---	---	---	823,492.18	483,403.34	MATCH EXIST.; EDGE OF MILLING
B184	48+20.46	100.40'RT	148+01.70SB	138.95'RT	---	---	852.56	823,542.08	483,326.41	FOW
B185	48+20.82	101.01'RT	148+02.09SB	139.54'RT	---	---	---	823,542.64	483,327.00	MATCH EXIST.; FOW
B186	48+33.56	110.60'RT	148+15.87SB	148.28'RT	---	---	852.11	823,549.79	483,347.50	EOP; END RADIUS
B187	48+34.82	126.94'RT	148+17.82SB	164.49'RT	---	---	---	823,565.61	483,352.04	MATCH EXIST.; EOP
B188	48+37.88	126.37'RT	148+21.12SB	163.64'RT	---	---	---	823,564.21	483,356.88	MATCH EXIST.; EOP
B189	48+62.93	178.62'RT	148+51.50SB	212.39'RT	---	---	---	823,604.48	483,412.04	MATCH EXIST.; EDGE OF MILLING
B190	48+67.15	178.76'RT	148+56.34SB	211.77'RT	---	---	---	823,602.16	483,419.70	MATCH EXIST.; EOP
B191	48+68.24	176.82'RT	148+57.47SB	209.64'RT	---	---	---	823,599.67	483,421.03	MATCH EXIST.; EOP
B192	48+69.83	176.93'RT	148+59.29SB	209.45'RT	---	---	---	823,598.80	483,423.90	MATCH EXIST.; EOP
B193	48+75.70	179.55'RT	148+66.17SB	210.89'RT	---	---	---	823,597.46	483,435.22	MATCH EXIST.; EDGE OF MILLING
B194	48+90.51	39.09'RT	148+67.90SB	68.69'RT	---	---	---	823,459.31	483,401.43	MATCH EXIST.; EOP
B195	48+94.58	36.76'RT	148+71.50SB	65.51'RT	---	---	---	823,455.11	483,404.79	MATCH EXIST.; BOC
B196	48+94.04	33.74'RT	148+70.51SB	62.66'RT	---	---	---	823,452.68	483,402.89	MATCH EXIST.; EOP
B197	49+01.36	42.00'RT	148+78.94SB	69.09'RT	---	---	---	823,456.05	483,414.40	R=12'
B198	49+08.95	46.98'RT	148+86.90SB	72.09'RT	---	---	---	823,455.85	483,424.93	R=17'
B199	49+07.66	61.01'RT	148+87.79SB	86.17'RT	---	---	853.12	823,468.79	483,430.59	BOW; BEGIN RADIUS
B200	49+05.56	69.12'RT	148+86.95SB	94.65'RT	---	---	---	823,477.21	483,432.19	R=15'
B201	49+06.12	70.80'RT	148+87.69SB	96.17'RT	---	---	---	823,478.31	483,433.67	R=10'
B202	49+12.97	66.91'RT	148+93.56SB	90.58'RT	---	---	---	823,470.27	483,439.62	MATCH EXIST.; BOW; END RADIUS
B203	49+15.97	63.36'RT	148+95.85SB	86.31'RT	---	---	853.33	823,465.15	483,441.11	END RADIUS
B204	49+16.47	65.08'RT	148+96.57SB	87.86'RT	---	---	---	823,466.25	483,442.59	MATCH EXIST.
B205	49+23.15	59.93'RT	149+02.05SB	81.03'RT	---	---	853.18	823,457.11	483,447.06	FOW; END RADIUS
B206	49+23.61	61.67'RT	149+02.75SB	82.61'RT	---	---	---	823,458.21	483,448.54	MATCH EXIST.; FOW
B207	49+01.36	30.00'RT	148+76.92SB	57.34'RT	---	---	853.05	823,445.48	483,408.73	EOP; END RADIUS
B208	49+01.89	28.00'RT	148+77.08SB	55.26'RT	---	---	853.08	823,443.43	483,408.31	END RADIUS; BEGIN RADIUS
B209	49+08.88	29.98'RT	148+84.03SB	55.49'RT	---	---	853.16	823,441.22	483,416.26	EOP; BEGIN RADIUS
B210	49+18.78	34.77'RT	148+93.85SB	57.64'RT	---	---	---	823,439.24	483,428.56	MATCH EXIST.; EOP; END RADIUS
B211	49+24.17	27.80'RT	148+97.47SB	49.42'RT	---	---	853.35	823,429.97	483,429.83	END RADIUS
B212	49+24.12	23.85'RT	148+96.65SB	45.59'RT	---	---	853.35	823,426.76	483,427.52	END CONCRETE PAVEMENT
B213	49+33.09	28.79'RT	149+05.79SB	47.97'RT	---	---	---	823,424.78	483,438.64	MATCH EXIST.; EOP
B214	49+11.33	0.00'RT	148+80.25SB	25.71'RT	---	---	853.34	823,414.12	483,403.19	END CONCRETE PAVEMENT
B215	49+09.46	3.00'LT	148+77.90SB	23.25'RT	---	---	853.36	823,412.49	483,400.06	EOP
B216	49+00.96	3.00'LT	148+70.32SB	25.18'RT	---	---	853.27	823,416.59	483,392.76	EOP
B217	48+99.77	11.55'LT	148+67.48SB	17.10'RT	---	---	853.18	823,409.58	483,387.74	EOP
B218	49+03.42	12.00'LT	148+70.56SB	15.88'RT	---	---	853.26	823,407.55	483,390.56	EOP
B219	49+33.46	10.42'LT	148+97.06SB	10.00'RT	---	---	853.41	823,393.38	483,415.14	EOP
B220	49+37.87	9.19'LT	149+01.24SB	10.00'RT	---	---	853.45	823,391.77	483,419.20	EOP; END RADIUS
B221	49+37.28	7.27'LT	149+01.24SB	12.00'RT	---	---	---	823,393.62	483,419.96	FOC R=2'
B222	49+35.39	6.45'LT	148+99.80SB	13.30'RT	---	---	853.37	823,395.40	483,419.04	EOP; BEGIN RADIUS
B223	49+38.34	0.00'RT	149+04.07SB	18.70'RT	---	---	853.31	823,398.65	483,425.31	EOP
B224	49+40.34	4.65'RT	149+07.01SB	22.62'RT	---	---	853.32	823,400.98	483,429.82	BEGIN CONCRETE PAVEMENT
B225	49+58.85	3.00'LT	149+21.59SB	10.00'RT	---	---	853.47	823,382.86	483,438.49	EOP
B226	49+49.27	27.11'RT	149+20.35SB	41.74'RT	---	---	853.33	823,411.72	483,451.76	EOP; BEGIN CURB AND GUTTER
B227	49+48.69	27.13'RT	149+19.81SB	41.93'RT	---	---	853.33	823,412.18	483,451.29	EOP; BEGIN RADIUS
B228	49+46.25	39.32'RT	149+20.06SB	54.44'RT	---	---	---	823,423.20	483,457.22	MATCH EXIST.; EOP
B229	49+51.95	37.51'RT	149+25.03SB	51.01'RT	---	---	853.35	823,417.32	483,461.07	EOP; BOW
B230	49+60.25	37.16'RT	149+32.77SB	48.17'RT	---	---	854.00	823,410.23	483,467.92	BOW
B231	49+77.26	35.81'RT	149+45.67SB	43.23'RT	---	---	854.12	823,397.85	483,478.49	BOW
B232	49+80.08	24.77'RT	149+46.36SB	31.86'RT	---	---	853.50	823,387.94	483,472.88	EOP; END RADIUS; BEGIN RADIUS
B233	49+90.92	31.94'RT	149+56.61SB	37.27'RT	---	---	854.14	823,385.60	483,485.66	BOW
B234	49+95.03	30.78'RT	149+60.00SB	35.60'RT	---	---	854.14	823,381.91	483,487.82	BOW
B235	49+96.96	30.23'RT	149+61.61SB	34.83'RT	---	---	854.14	823,380.18	483,488.83	BOW
B236	49+91.03	35.51'RT	149+57.11SB	40.78'RT	---	---	---	823,388.09	483,488.21	MATCH EXIST.
B237	49+95.00	35.45'RT	149+60.45SB	40.24'RT	---	---	---	823,385.30	483,491.03	MATCH EXIST.
B238	50+14.90	22.00'RT	149+76.84SB	25.24'RT	---	---	853.65	823,361.81	483,496.06	EOP; END RADIUS
B239	50+39.35	30.19'RT	---	---	---	---	---	823,350.53	483,519.63	MATCH EXIST.; BOW
B240	50+39.35	22.00'RT	---	---	---	---	853.74	823,344.69	483,513.88	MATCH ID 5400-00-73
B241	50+39.35	0.00'RT	150+00.20SB	3.00'RT	---	---	853.54	823,329.01	483,498.45	MATCH ID 5400-00-73
B242	50+14.90	242.00'RT	149+81.42SB	245.13'RT	---	---	---	823,520.44	483,648.50	R=220'
B243	46+09.62	66.92'LT	146+08.85SB	48.25'LT	6+04.83A	95.96'LT	850.86	823,316.88	483,158.45	FOW
B244	46+33.97	19.80'LT	146+31.11SB	0.00'RT	6+33.88A	51.26'LT	851.18	823,369.07	483,153.39	EOP
B245	46+33.62	11.00'LT	146+30.17SB	8.76'RT	6+34.42A	42.47'LT	851.31	823,376.46	483,148.59	EOP
B246	46+70.90	23.48'LT	146+67.24SB	0.00'RT	6+72.90A	58.39'LT	851.36	823,383.50	483,186.50	EOP
B247	46+71.18	21.49'LT	146+67.24SB	2.01'RT	6+73.39A	56.42'LT	851.40	823,385.38	483,185.80	EOP
B248	47+12.63	21.38'LT	147+06.36SB	8.88'RT	7+19.11A	58.70'LT	851.79	823,403.52	483,221.83	EOP; BEGIN RADIUS
B249	47+30.54	21.00'LT	147+21.76SB	12.39'RT	7+37.64A	59.15'LT	---	823,410.29	483,236.64	BOC; END CONCRETE SIDEWALK 5-INCH
B250	47+56.74	32.70'LT	147+45.29SB	4.07'RT	7+62.15A	73.38'LT	852.15	823,405.73	483,261.73	EOP; END RADIUS; BEGIN RADIUS
B251	47+68.33	35.71'LT	147+55.05SB	2.04'RT	7+72.74A	78.01'LT	852.27	823,404.71	483,271.74	EOP; END RADIUS
B252	47+68.76	15.71'LT	147+53.81SB	22.00'RT	7+77.53A	58.44'LT	---	823,424.48	483,268.70	R=20'
B253	48+01.44	27.56'LT	147+81.95SB	11.40'RT	8+07.11A	76.74'LT	---	823,415.29	483,298.74	FOC R=4'
B254	48+06.59	33.29'LT	147+86.19SB	5.66'RT	8+09.58A	83.50'LT	852.66	823,409.53	483,303.07	EOP
B255	46+70.88	72.10'LT	146+74.86SB	48.10'LT	6+67.84A	106.82'LT	851.54	823,340.59	483,209.36	BOW; BEGIN RADIUS
B256	46+85.13	56.01'LT	146+86.52SB	30.05'LT	6+85.92A	91.85'LT	850.89	823,360.93	483,213.54	EOP

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POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SB LINE STATION	SB LINE OFFSET	A LINE STATION	A LINE OFFSET	ELEV.	X	Y	REMARKS
B257	46+85.52	53.98'LT	146+86.52SB	28.00'LT	6+86.54A	89.85'LT	850.93	823,362.89	483,212.94	EOP; BEGIN RADIUS
B258	47+11.53	58.90'LT	147+13.51SB	28.00'LT	7+16.06A	96.14'LT	851.40	823,369.11	483,236.81	EOP
B259	47+25.35	61.35'LT	147+25.50SB	28.00'LT	7+29.27A	99.09'LT	851.66	823,371.24	483,247.55	EOP
B260	47+24.74	63.30'LT	147+25.50SB	30.00'LT	7+28.58A	101.01'LT	851.80	823,369.27	483,247.91	EOP; BEGIN RADIUS
B261	47+14.20	71.36'LT	147+19.39SB	39.56'LT	7+18.51A	108.69'LT	---	823,358.86	483,244.31	R=50'
B262	47+85.57	75.06'LT	147+70.98SB	36.36'LT	7+76.62A	119.14'LT	---	823,367.33	483,289.16	R=105'
B263	47+05.28	80.79'LT	147+12.83SB	50.62'LT	7+07.41A	117.73'LT	852.64	823,346.89	483,241.04	BOW; END RADIUS
B264	47+04.51	86.16'LT	147+13.51SB	56.00'LT	7+06.11A	123.06'LT	---	823,341.75	483,242.74	R=28'
B265	47+00.04	96.10'LT	147+11.61SB	66.59'LT	6+99.96A	132.75'LT	853.10	823,331.08	483,243.51	BOW
B266	47+07.08	86.62'LT	147+16.34SB	55.91'LT	7+09.15A	123.64'LT	852.86	823,342.32	483,245.01	BOW
B267	46+69.35	123.99'LT	146+84.77SB	99.45'LT	6+58.90A	158.32'LT	---	823,294.20	483,232.64	MATCH EXIST.; BOW
B268	47+46.52	94.59'LT	147+47.37SB	58.16'LT	7+41.45A	133.49'LT	853.12	823,344.11	483,270.64	EOP; END RADIUS
B269	47+39.30	98.25'LT	147+43.68SB	62.44'LT	7+35.63A	136.60'LT	853.23	823,339.52	483,268.14	EOP
B270	47+36.34	101.63'LT	147+42.72SB	66.05'LT	7+33.01A	139.78'LT	---	823,335.84	483,267.82	MATCH EXIST.; EOP
B271	47+28.12	95.57'LT	147+36.03SB	61.04'LT	7+28.07A	133.35'LT	853.08	823,340.08	483,261.82	FOW
B272	47+23.00	102.38'LT	147+34.91SB	68.26'LT	7+23.77A	139.93'LT	---	823,332.81	483,261.98	MATCH EXIST.; FOW
B273	47+65.82	108.84'LT	147+61.63SB	70.87'LT	7+50.87A	149.23'LT	---	823,332.46	483,283.15	MATCH EXIST.; EDGE OF MILLING
B274	47+37.27	111.75'LT	147+45.97SB	75.86'LT	7+31.92A	149.89'LT	---	823,326.40	483,271.51	MATCH EXIST.; EOP; EDGE OF MILLING
B275	47+30.71	117.82'LT	147+44.18SB	82.40'LT	7+26.89A	155.61'LT	---	823,319.75	483,270.93	MATCH EXIST.; EDGE OF MILLING
B276	47+25.23	112.39'LT	147+39.43SB	77.71'LT	7+24.20A	150.00'LT	---	823,323.95	483,266.78	MATCH EXIST.; EOP
B277	47+21.60	115.36'LT	147+38.44SB	80.98'LT	7+21.63A	152.85'LT	---	823,320.61	483,266.48	MATCH EXIST.; EOP
B278	47+14.61	113.09'LT	147+32.99SB	79.80'LT	7+16.54A	150.40'LT	853.34	823,321.18	483,262.25	FOW; BEGIN RADIUS
B279	47+14.80	112.71'LT	147+33.07SB	79.39'LT	7+16.80A	150.03'LT	---	823,321.60	483,262.24	MATCH EXIST.; FOW
B280	47+16.89	121.41'LT	147+38.21SB	87.32'LT	7+18.31A	158.78'LT	---	823,314.30	483,267.18	MATCH EXIST.; EOP; BEGIN CURB AND GUTTER
B281	46+92.41	103.27'LT	147+05.39SB	75.09'LT	6+90.04A	139.46'LT	---	823,321.70	483,240.69	MATCH EXIST.; BOW
B282	46+92.48	104.40'LT	147+05.79SB	76.18'LT	6+90.00A	140.59'LT	---	823,320.71	483,241.25	R=21'
B283	46+81.45	113.39'LT	146+95.97SB	87.01'LT	6+75.43A	148.78'LT	---	823,308.38	483,236.82	MATCH EXIST.; BOW
B284	46+99.30	124.58'LT	147+20.05SB	94.36'LT	6+96.40A	161.13'LT	853.13	823,305.21	483,255.42	FOW; END RADIUS; BEGIN RADIUS
B285	46+72.95	122.07'LT	146+88.51SB	96.97'LT	6+63.68A	156.73'LT	---	823,297.33	483,234.42	R=50'
B286	46+88.96	129.92'LT	147+09.92SB	101.70'LT	6+82.72A	165.80'LT	853.37	823,296.55	483,250.02	FOW; END RADIUS
B287	46+87.19	131.50'LT	147+08.37SB	103.59'LT	6+80.26A	167.25'LT	853.40	823,294.47	483,249.40	FOW
B288	47+04.82	135.19'LT	147+30.56SB	103.33'LT	7+02.38A	172.02'LT	---	823,297.67	483,264.21	MATCH EXIST.; EDGE OF MILLING
B289	47+10.17	139.23'LT	147+38.54SB	105.90'LT	7+08.91A	176.32'LT	---	823,295.92	483,269.96	MATCH EXIST.; EDGE OF MILLING
B290	47+13.31	139.35'LT	147+42.24SB	105.23'LT	7+12.96A	176.58'LT	---	823,296.92	483,272.35	MATCH EXIST.; BEGIN RADIUS; EDGE OF MILLING
B291	47+05.82	142.78'LT	147+35.00SB	110.36'LT	7+02.93A	179.65'LT	---	823,291.18	483,268.24	R=19'
B292	47+01.95	146.61'LT	147+32.07SB	114.94'LT	6+97.47A	183.26'LT	---	823,286.36	483,267.05	MATCH EXIST.; EDGE OF MILLING
B293	46+96.59	142.52'LT	147+23.84SB	112.26'LT	6+90.96A	178.87'LT	---	823,288.10	483,261.31	MATCH EXIST.; EDGE OF MILLING
B294	46+78.88	138.74'LT	147+00.84SB	112.23'LT	6+68.63A	173.82'LT	853.54	823,284.88	483,246.58	FOW
B295	46+65.21	134.59'LT	146+82.69SB	110.51'LT	6+51.91A	168.47'LT	---	823,283.22	483,234.62	MATCH EXIST.; BOW
B296	47+29.44	161.00'LT	147+60.43SB	124.14'LT	7+19.23A	198.52'LT	---	823,279.26	483,285.92	R=150'
B297	47+76.24	170.50'LT	147+76.47SB	131.76'LT	7+29.23A	209.44'LT	---	823,272.09	483,296.00	R=200'
B298	48+13.36	107.89'LT	147+89.23SB	69.01'LT	7+81.42A	155.03'LT	---	823,334.83	483,304.77	MATCH EXIST.; EDGE OF MILLING
B299	48+30.54	109.48'LT	147+99.08SB	71.08'LT	7+90.98A	159.76'LT	---	823,332.50	483,312.43	MATCH EXIST.; EDGE OF MILLING
B300	48+34.92	109.77'LT	148+01.56SB	71.56'LT	7+93.41A	160.92'LT	---	823,331.92	483,314.34	MATCH EXIST.; EOP
B301	48+37.85	98.83'LT	148+04.77SB	60.83'LT	8+02.71A	151.87'LT	853.40	823,342.47	483,317.55	EOP; BEGIN CURB AND GUTTER
B302	48+18.52	97.14'LT	147+92.91SB	58.37'LT	7+90.89A	146.12'LT	---	823,345.39	483,307.99	MATCH EXIST.; EDGE OF MILLING
B303	48+35.93	90.81'LT	148+04.57SB	52.75'LT	8+06.61A	144.26'LT	---	823,350.55	483,317.92	MATCH EXIST.; EDGE OF MILLING
B304	48+43.24	87.66'LT	148+09.75SB	50.06'LT	8+11.66A	143.33'LT	---	823,352.90	483,322.47	MATCH EXIST.; EOP
B305	48+43.66	65.41'LT	148+12.99SB	28.00'LT	8+22.52A	123.92'LT	853.29	823,374.64	483,327.22	EDGE OF CONCRETE PAVEMENT; END RADIUS
B306	48+70.51	72.36'LT	148+31.15SB	37.52'LT	8+33.64A	139.21'LT	---	823,363.24	483,342.30	MATCH EXIST.; EOP
B307	48+75.74	81.28'LT	148+32.73SB	46.91'LT	8+30.83A	148.27'LT	---	823,353.76	483,342.26	MATCH EXIST.; EOP; BEGIN CURB AND GUTTER
B308	48+79.11	81.20'LT	148+35.03SB	47.26'LT	8+32.45A	149.45'LT	---	823,353.10	483,344.15	MATCH EXIST.; EDGE OF MILLING
B309	49+05.43	53.11'LT	148+61.77SB	24.34'LT	8+64.28A	140.61'LT	853.32	823,370.82	483,372.03	EDGE OF CONCRETE PAVEMENT
B310	49+06.42	55.67'LT	148+61.77SB	27.00'LT	8+62.92A	142.90'LT	853.31	823,368.23	483,371.39	EDGE OF CONCRETE PAVEMENT
B311	48+98.33	80.08'LT	148+48.39SB	49.01'LT	8+41.78A	156.21'LT	---	823,349.35	483,355.04	MATCH EXIST.; EDGE OF MILLING
B312	49+09.77	78.87'LT	148+56.58SB	49.85'LT	8+47.44A	160.32'LT	---	823,347.06	483,361.66	MATCH EXIST.
B313	49+25.21	67.76'LT	148+71.50SB	42.45'LT	8+62.23A	160.62'LT	853.16	823,351.09	483,375.89	EOP; END RADIUS; BEGIN RADIUS
B314	49+24.17	80.61'LT	148+65.65SB	54.32'LT	8+51.72A	168.05'LT	853.04	823,340.92	483,368.00	EOP; BEGIN RADIUS
B315	49+24.25	88.13'LT	148+62.48SB	61.38'LT	8+45.85A	172.74'LT	---	823,334.71	483,363.74	MATCH EXIST.; EDGE OF MILLING
B316	49+13.88	89.86'LT	148+55.10SB	61.03'LT	8+40.84A	169.43'LT	---	823,336.43	483,357.99	MATCH EXIST.; EDGE OF MILLING
B317	49+05.67	104.04'LT	148+44.27SB	73.06'LT	8+27.52A	175.86'LT	---	823,326.40	483,347.12	MATCH EXIST.; EDGE OF MILLING
B318	48+79.58	105.58'LT	148+28.43SB	71.04'LT	8+17.35A	168.59'LT	---	823,330.39	483,335.28	MATCH EXIST.; EOP
B319	49+50.45	118.02'LT	148+61.25SB	93.77'LT	8+28.47A	200.10'LT	852.79	823,303.48	483,355.08	EOP; BEGIN RADIUS
B320	49+01.89	172.00'LT	148+05.88SB	135.94'LT	7+53.93A	220.81'LT	---	823,267.48	483,313.22	R=200'
B321	47+16.09	200.00'LT	147+83.01SB	161.04'LT	7+10.95A	237.25'LT	---	823,242.85	483,299.91	R=229.5'
B322	49+86.17	188.75'LT	148+45.35SB	171.32'LT	7+53.87A	261.82'LT	854.37	823,229.76	483,329.31	FOW
B323	49+87.02	167.82'LT	148+68.26SB	153.78'LT	7+95.01A	253.59'LT	854.01	823,244.27	483,344.43	FOW
B324	49+86.02	167.82'LT	148+66.60SB	153.30'LT	7+94.02A	252.70'LT	854.02	823,244.96	483,343.71	BOW; END RADIUS
B325	49+71.59	136.75'LT	148+69.00SB	118.53'LT	8+20.06A	223.96'LT	853.52	823,278.21	483,353.99	FOW; BEGIN BUS PAD
B326	49+73.17	128.59'LT	148+77.86SB	112.35'LT	8+28.22A	221.87'LT	853.54	823,282.58	483,361.18	BOW; END RADIUS; BEGIN RADIUS
B327	49+68.75	127.48'LT	148+70.90SB	108.60'LT	8+26.40A	216.22'LT	853.43	823,287.46	483,357.80	FOW; END BUS PAD
B328	49+67.90	103.92'LT	148+85.94SB	87.29'LT	8+46.64A	204.10'LT	853.38	823,304.95	483,373.63	BOW; END RADIUS; BEGIN RADIUS
B329	49+74.77	77.81'LT	149+12.98SB	66.41'LT	---	---	---	823,317.70	483,397.92	R=40'
B330	49+56.01	71.05'LT	148+92.73SB	53.01'LT	---	---	853.69	823,335.78	483,389.31	BOW; END RADIUS
B331	49+54.78	73.71'LT	148+90.37SB	55.13'LT	8+67.91A	179.79'LT	---	823,334.39	483,386.90	R=20'
B332	49+51.43	44.85'LT	149+01.07SB	27.52'LT	---	---	853.03	823,357.09	483,404.89	EOP
B333	49+50.91	44.22'LT	149+00.89SB	26.78'LT	---	---	853.04	823,357.83	483,405.02	EDGE OF CONCRETE PAVEMENT
B334	49+60.52	41.05'LT	149+10.18SB	26.47'LT	---	---	852.97	823,354.88	483,412.67	EOP; END RADIUS; BEGIN RADIUS

POINT NO.	MAINLINE STATION	MAINLINE OFFSET	SB LINE STATION	SB LINE OFFSET	A LINE STATION	A LINE OFFSET	ELEV.	X	Y	REMARKS
B335	50+04.46	3.00'LT	149+65.37SB	1.01'RT	---	---	853.44	823,351.02	483,471.21	EOP
B336	50+04.58	4.00'LT	149+65.39SB	0.00'RT	---	---	853.43	823,350.22	483,470.60	EOP
B337	49+99.08	28.22'LT	149+56.75SB	23.45'LT	---	---	852.84	823,336.56	483,449.86	EOP; BEGIN RADIUS
B338	49+89.47	31.24'LT	149+45.58SB	24.93'LT	---	---	852.79	823,341.05	483,440.83	EOP; END RADIUS
B339	49+86.05	34.66'LT	149+41.04SB	27.63'LT	---	---	853.20	823,340.96	483,436.00	BOC
B340	49+86.07	37.33'LT	149+40.45SB	30.25'LT	---	---	853.24	823,339.01	483,434.16	FOW
B341	49+86.11	43.26'LT	149+39.06SB	36.07'LT	---	---	853.27	823,334.70	483,430.08	BOW; FOW; END RADIUS
B342	49+81.90	46.53'LT	149+33.29SB	38.32'LT	---	---	853.33	823,335.26	483,424.78	BOW; BEGIN RADIUS
B343	49+92.16	50.61'LT	149+44.52SB	44.46'LT	---	---	---	823,325.21	483,429.36	MATCH EXIST.; BOW
B344	49+99.53	50.56'LT	149+53.61SB	45.64'LT	---	---	---	823,320.14	483,434.70	MATCH EXIST.; BOW
B345	49+99.46	40.72'LT	149+55.23SB	35.89'LT	---	---	---	823,327.28	483,441.47	MATCH EXIST.; BOW; BEGIN RADIUS
B346	50+04.70	40.69'LT	149+61.42SB	36.51'LT	---	---	---	823,323.68	483,445.27	R=5.24'
B347	50+04.66	35.45'LT	149+62.06SB	31.30'LT	---	---	---	823,327.49	483,448.87	MATCH EXIST.; BOW; END RADIUS
B348	50+04.66	34.76'LT	149+62.14SB	30.61'LT	---	---	---	823,327.99	483,449.35	MATCH EXIST.; BOW
B349	50+14.65	84.32'LT	149+69.25SB	80.89'LT	---	---	---	823,285.33	483,422.21	R=50'
B350	50+28.05	34.72'LT	149+88.89SB	31.72'LT	---	---	---	823,311.81	483,466.24	MATCH EXIST.; BOW
B351	50+28.04	29.21'LT	149+88.88SB	26.21'LT	---	---	---	823,315.79	483,470.05	MATCH EXIST.; BOW
B352	50+34.84	25.00'LT	149+95.69SB	22.00'LT	---	---	852.58	823,314.11	483,477.87	EOP; END RADIUS
B353	50+40.13	29.26'LT	---	---	---	---	---	823,307.85	483,478.22	MATCH EXIST.; BOW
B354	50+40.02	24.99'LT	---	---	---	---	852.54	823,310.94	483,481.17	MATCH ID 5400-00-73
B355	50+39.35	3.00'LT	150+00.20SB	0.00'RT	---	---	853.42	823,326.84	483,496.37	MATCH ID 5400-00-73
B356	50+34.84	225.00'LT	149+95.69SB	222.00'LT	7+11.59A	320.15'LT	---	823,169.90	483,339.29	R=199'(30-INCH C&G); R=200'(24-INCH C&G)
B357	51+91.65	273.53'LT	---	---	6+45.63A	485.00'LT	---	823,024.54	483,417.04	R=500'
B358	54+94.37	390.32'LT	145+75.65SB	756.52'LT	4+89.67A	800.00'LT	---	822,730.58	483,554.39	R=800'
B359	46+65.25	211.83'RT	146+44.72SB	233.54'RT	6+81.62A	176.82'RT	---	823,587.74	483,069.46	R=134'
B360	50+67.36	90.29'LT	---	---	---	---	---	823,245.54	483,454.06	R=100'
B361	47+99.67	69.50'RT	147+79.94SB	108.45'RT	8+32.45A	16.97'RT	---	823,512.32	483,295.70	R=40'
B362	47+83.82	24.64'RT	147+65.26SB	63.18'RT	8+02.60A	21.90'LT	---	823,466.48	483,278.63	FOC R=59'
B363	48+70.84	179.01'RT	148+60.57SB	211.33'RT	---	---	---	823,600.13	483,426.40	MATCH EXIST.; EOP
B364	49+29.84	61.31'LT	148+77.35SB	37.44'LT	---	---	853.22	823,354.48	483,382.20	EOP; HIGH POINT
B365	49+55.00	26.88'RT	149+25.62SB	39.83'RT	---	---	853.30	823,407.14	483,456.38	EOP; LOW POINT

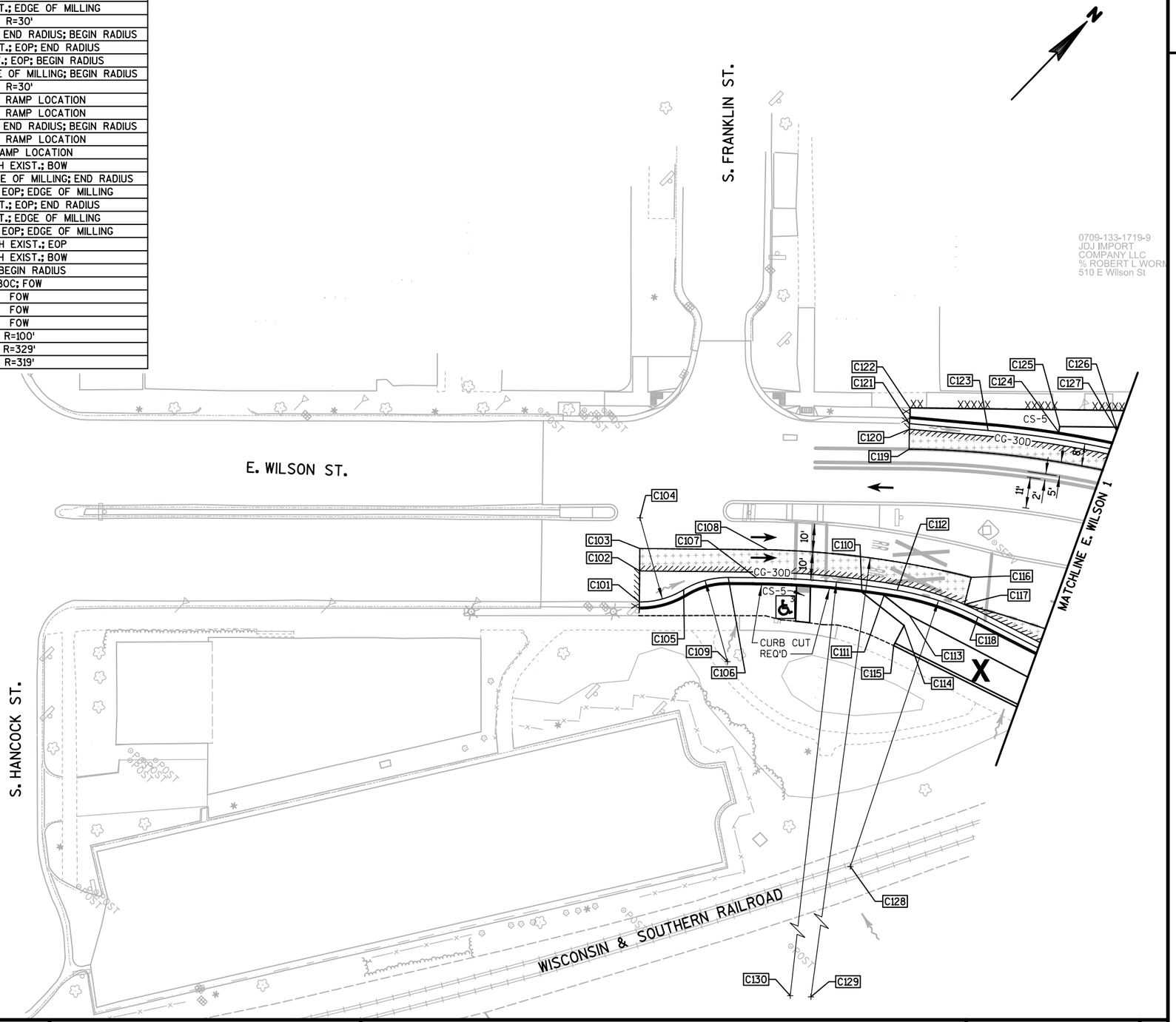
POINT NO.	MAINLINE		SB LINE		ELEV.	X	Y	REMARKS
	STATION	OFFSET	STATION	OFFSET				
C101	44+91.75	207.05'LT	145+07.28SB	189.98'LT	---	823,146.50	483,163.68	MATCH EXIST.; EOP; BEGIN RADIUS
C102	44+93.23	218.04'LT	145+09.23SB	200.85'LT	---	823,138.89	483,171.69	MATCH EXIST.; EOP; EDGE OF MILLING
C103	44+94.33	226.00'LT	145+10.64SB	208.72'LT	---	823,133.38	483,177.49	MATCH EXIST.; EDGE OF MILLING
C104	44+95.90	236.91'LT	145+12.57SB	219.51'LT	---	823,125.84	483,185.43	R=30'
C105	45+13.67	209.78'LT	145+23.63SB	191.62'LT	---	823,154.86	483,177.83	MATCH EXIST.; EOP; END RADIUS; BEGIN RADIUS
C106	45+35.83	212.05'LT	145+40.02SB	193.26'LT	---	823,163.25	483,192.00	MATCH EXIST.; EOP; END RADIUS
C107	45+49.40	210.41'LT	145+49.98SB	191.46'LT	---	823,170.60	483,198.96	MATCH EXIST.; EOP; BEGIN RADIUS
C108	45+56.97	219.59'LT	145+55.55SB	200.62'LT	---	823,166.52	483,208.87	MATCH EXIST.; EDGE OF MILLING; BEGIN RADIUS
C109	45+29.88	182.38'LT	145+34.70SB	163.74'LT	---	823,183.88	483,170.22	R=30'
C110	45+97.67	198.24'LT	145+98.17SB	179.78'LT	---	823,201.19	483,221.39	BOC; BIKE RAMP LOCATION
C111	46+07.51	195.38'LT	146+14.32SB	176.67'LT	---	823,207.63	483,226.06	BOC; BIKE RAMP LOCATION
C112	46+14.04	196.01'LT	146+25.17SB	176.99'LT	---	823,209.74	483,230.56	MATCH EXIST.; EOP; END RADIUS; BEGIN RADIUS
C113	46+16.84	186.27'LT	146+28.04SB	167.11'LT	854.93	823,219.13	483,227.20	FOW; BIKE RAMP LOCATION
C114	46+13.34	183.22'LT	146+22.12SB	164.27'LT	854.99	823,220.28	483,223.30	BIKE RAMP LOCATION
C115	46+06.47	177.10'LT	146+10.92SB	158.46'LT	---	823,222.59	483,215.53	MATCH EXIST.; BOW
C116	46+49.41	193.57'LT	146+81.29SB	170.81'LT	---	823,225.57	483,252.27	MATCH EXIST.; EDGE OF MILLING; END RADIUS
C117	46+42.82	184.93'LT	146+67.84SB	163.26'LT	---	823,230.56	483,243.61	MATCH EXIST.; EOP; EDGE OF MILLING
C118	46+47.21	179.27'LT	146+72.46SB	157.10'LT	---	823,237.15	483,243.73	MATCH EXIST.; EOP; END RADIUS
C119	46+37.41	243.62'LT	146+87.54SB	221.55'LT	---	823,177.88	483,269.78	MATCH EXIST.; EDGE OF MILLING
C120	46+40.27	250.43'LT	146+99.20SB	227.64'LT	---	823,173.00	483,274.93	MATCH EXIST.; EOP; EDGE OF MILLING
C121	46+41.10	252.35'LT	147+02.77SB	229.34'LT	---	823,171.63	483,276.39	MATCH EXIST.; EOP
C122	46+43.72	257.71'LT	147+14.08SB	233.94'LT	---	823,167.88	483,280.62	MATCH EXIST.; BOW
C123	49+85.89	239.26'LT	147+66.64SB	210.20'LT	855.08	823,193.54	483,294.12	EOP; BEGIN RADIUS
C124	49+85.38	214.04'LT	148+10.40SB	191.34'LT	855.01	823,212.08	483,311.22	BOC; FOW
C125	49+87.35	213.73'LT	148+14.61SB	192.34'LT	854.70	823,210.93	483,312.86	FOW
C126	49+87.20	193.50'LT	148+41.63SB	175.86'LT	854.45	823,225.62	483,326.77	FOW
C127	49+86.20	193.51'LT	148+39.82SB	175.31'LT	854.46	823,226.31	483,326.05	FOW
C128	45+68.32	103.14'LT	145+65.63SB	84.26'LT	---	823,266.23	483,148.05	R=100'
C129	45+01.21	105.51'RT	144+93.02SB	122.38'RT	---	823,389.69	482,967.14	R=329'
C130	45+01.50	105.58'RT	144+93.34SB	122.47'RT	---	823,389.95	482,967.34	R=319'

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

LEGEND

	CURB RAMP, TYPE X	CS-5	CONCRETE SIDEWALK 5-INCH
	TRAFFIC FLOW	CS-7	CONCRETE SIDEWALK 7-INCH
	PROPOSED INLET	CG-24D	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL
	PROPOSED STORM SEWER MANHOLE	CG-24DR	CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL (REVERSE SLOPE GUTTER)
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	SLOPE INTERCEPTS	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
X	TREE REMOVAL (CLEARING AND GRUBBING)	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	CONCRETE SIDEWALK 5-INCH COLORING CONCRETE CUSTOM	CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL
HMA-3	3-INCHES HMA PAVEMENT 4 LT 58-28 S 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH	CG-36A	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A
HMA-6.5	6.5-INCHES HMA PAVEMENT 8-INCHES BASE AGGREGATE DENSE 1 1/4-INCH 8-INCHES BASE AGGREGATE DENSE 3-INCH	CG-36D	CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D
HMA-9.5	9.5-INCHES HMA PAVEMENT 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH 16-INCHES SELECT CRUSHED MATERIAL	BS	BUS BOARDING PAD (SEE DETAILS)
CP-9.5	CONCRETE PAVEMENT 9.5-INCH (DOWELED, NON-TINED) 6-INCHES BASE AGGREGATE DENSE 1 1/4-INCH 16-INCHES SELECT CRUSHED MATERIAL	//////	SAWING ASPHALT
	2-INCHES REMOVING ASPHALTIC SURFACE MILLING 2-INCHES HMA PAVEMENT 4 MT 58-28 H	XXXXX	SAWING CONCRETE
			SURFACE WATER FLOW



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN DETAIL	SHEET 39	E

2

S. HANCOCK ST.

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

USH 151 (JOHN NOLEN DR.)

+50 42+00 +50 43+00 +50 44+00 +50 45+00 +50 46+

AC AD AC

AD AC

MATCHLINE STA. 146+00 SB

MATCHLINE STA. 46+00

MATCHLINE STA. 6+00 A

LAW PARK

LAKE MONONA

LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 40	E

2

MATCHLINE E. WILSON 1

WISCONSIN & SOUTHERN RAILROAD

E. WILSON ST.

USH 151 (S. BLAIR ST.)

MATCHLINE STA. 146+00 SB

MATCHLINE STA. 46+00

MATCHLINE STA. 6+00 A

USH 151 (JOHN NOLEN DR.)

LAW PARK

WILLIAMSON ST.

LYMING STEPHANS

47+00

48+00

49+00

50+00

51+00

+50

AD

AC

A

B

D

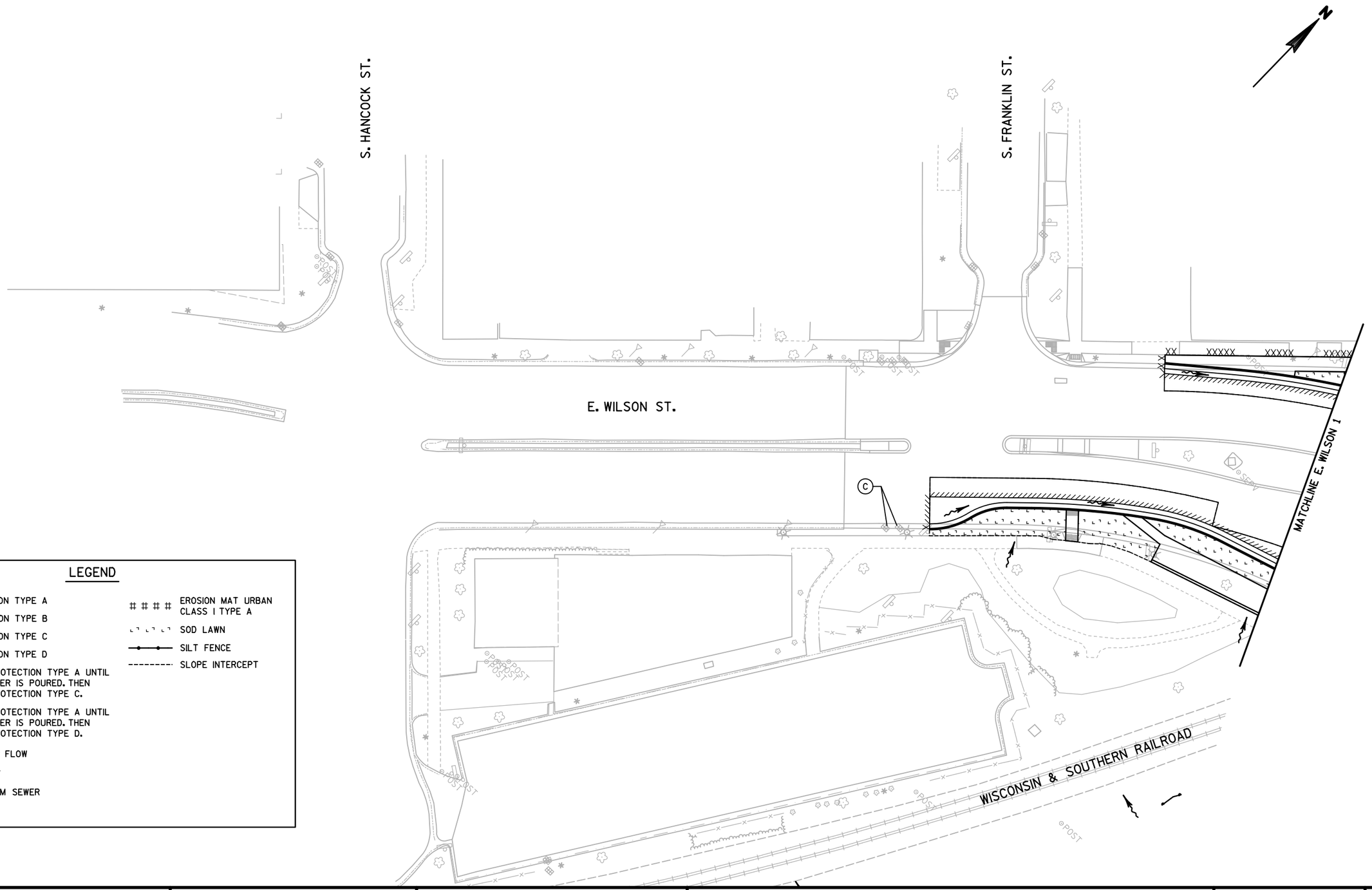
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LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 41	E

2



LEGEND

- (A) INLET PROTECTION TYPE A
- (B) INLET PROTECTION TYPE B
- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- SURFACE WATER FLOW
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- # # # # EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SILT FENCE
- SLOPE INTERCEPT

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 42	E

2

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

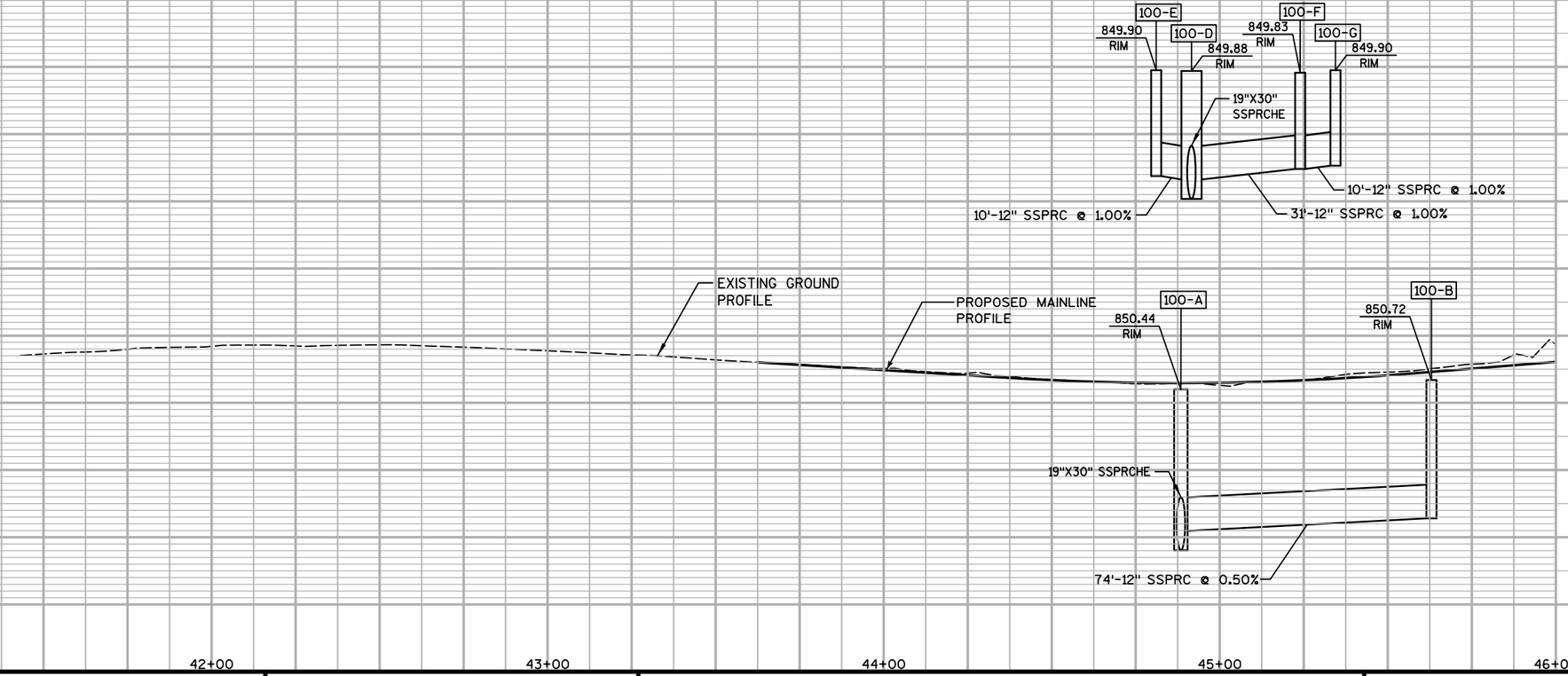
USH 151 (JOHN NOLEN DR.)

BEGIN PROJECT
STA 43+62.36

MATCHLINE STA. 46+00

STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12- TO 21-INCH REQ'D
- (E) REMOVING STORM SEWER 24- TO 36-INCH REQ'D
- (F) ADJUSTING MANHOLE COVERS REQ'D
- (G) ADJUSTING INLET COVERS REQ'D
- (H) ABANDONING SEWER (12-INCH) REQ'D
- (I) STORM SEWER TAP REQ'D
- ---- PIPE UNDERDRAIN WRAPPED 6-INCH



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY:DANE	STORM SEWER - USH 151	SHEET 43	E

STORM SEWER LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12- TO 21-INCH REQ'D
- (E) REMOVING STORM SEWER 24- TO 36-INCH REQ'D
- (F) ADJUSTING MANHOLE COVERS REQ'D
- (G) ADJUSTING INLET COVERS REQ'D
- (H) ABANDONING SEWER (12-INCH) REQ'D
- (I) STORM SEWER TAP REQ'D
- ---- PIPE UNDERDRAIN WRAPPED 6-INCH

* ABANDON SEWER AT MANHOLE

STORM SEWER ITEMS INCLUDED IN PROJECT 5400-00-72

END PROJECT
STA. 50+39.35
MATCH ID 5400-00-73

MATCHLINE STA. 46+00

E. WILSON ST.

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

USH 151 (S. BLAIR ST.)

WILLIAMSON ST.

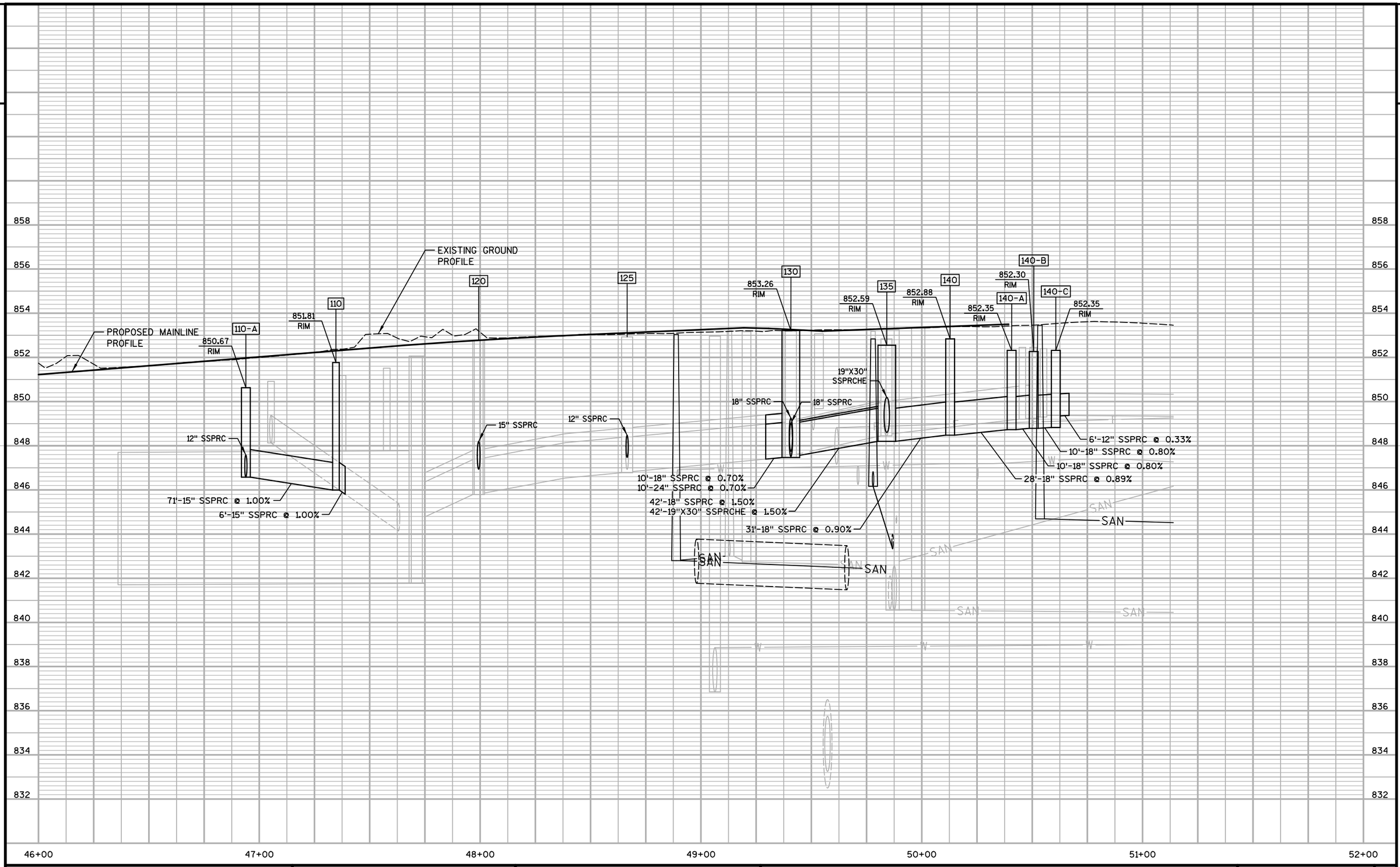
LAW PARK

REMOVING SADDLE INLET REQ'D

CURRENT OWNER 631 RAILROAD ST.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STORM SEWER - USH 151	SHEET 44	E

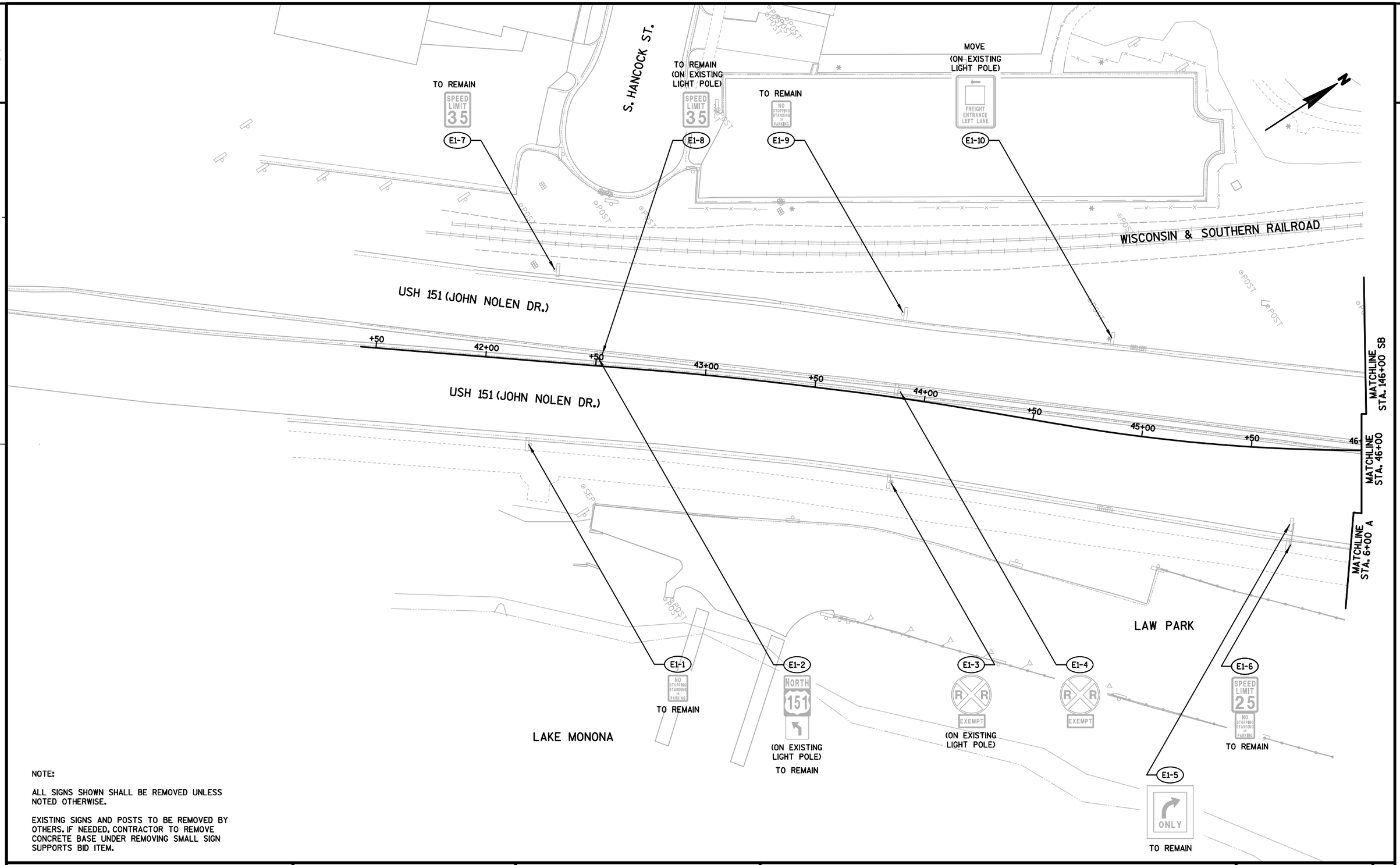
2



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STORM SEWER - USH 151	SHEET 45	E

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
												SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
C-1	44+88.06	4.5'RT	-	-	-	-	-	-	-	-	-	-	-	845.59	-	-	CONCRETE COLLARS FOR PIPE REQ'D
100-A	44+88.45	1.5'LT	6.0	C-1	-	H-S	4X4-FT	-	850.44	849.61	3.96	19X30	845.65	845.59	6	1.00%	FLAT TOP 2'X3' OPENING REQ'D
100-B	45+63.02	4.5'LT	74.3	100-A	2X3-FT	H	-	-	850.72	849.89	3.29	12	846.60	846.23	74	0.50%	-
100-C	144+91.67 SB	1.5'RT	13.8	100-A	-	H-S	4X4-FT	-	850.38	849.55	3.76	19X30	845.79	845.65	14	1.00%	FLAT TOP 2'X3' OPENING REQ'D
100-D	144+94.04 SB	26.6'LT	28.2	100-C	-	H-S	6-FT	-	849.88	849.05	2.98	19X30	846.07	845.79	28	1.00%	FLAT TOP 2'X3' OPENING REQ'D
100-E	144+84.05 SB	26.2'LT	10.0	100-D	2X3-FT	H-S	-	-	849.90	849.07	2.32	12	846.75	846.65	10	1.00%	-
100-F	145+24.80 SB	30.7'LT	31.0	100-D	2X3-FT	H-S	-	-	849.83	849.00	2.04	12	846.96	846.65	31	1.00%	CAST-IN-PLACE INLET REQ'D
100-G	145+34.72 SB	32.0'LT	10.0	100-F	2X3-FT	H-S	-	-	849.90	849.07	2.01	12	847.06	846.96	10	1.00%	CAST-IN-PLACE INLET REQ'D
C-2	144+96.09 SB	36.4'LT	10.0	100-D	-	-	-	-	-	-	-	19X30	846.24	846.07	10	1.70%	CONCRETE COLLARS FOR PIPE REQ'D
C-3	7+54.63 A	29.8'RT	-	-	-	-	-	-	-	-	-	-	845.85	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
110	7+49.20 A	28.1'RT	6.0	C-3	-	-	3-FT	J-S	851.81	850.57	4.66	15	845.91	845.85	6	1.00%	9-INCH COVER HEIGHT REQ'D; FIELD VERIFY TIE-IN ELEVATION
110-A	6+82.71 A	16.5'RT	70.5	110	2X3-FT	H	-	-	850.67	849.84	3.22	15	846.62	845.91	71	1.00%	-
110-B	6+82.71 A	1.5'LT	18.0	110-A	2X3-FT	H	-	-	850.97	850.14	3.43	12	846.71	846.62	18	0.50%	-
110-C	46+76.11	28.7'RT	5.2	110-B	2X3-FT	H	-	-	851.14	850.31	3.57	12	846.74	846.71	5	0.60%	-
C-4	7+81.70 A	86.1'RT	-	-	-	-	-	-	-	-	-	-	848.33	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D; FIELD VERIFY TIE-IN ELEVATION
115-A	7+85.51 A	90.1'RT	6.0	C-4	2X3-FT	H-S	-	-	851.30	850.47	2.11	12	848.36	848.33	6	0.50%	CAST-IN-PLACE INLET REQ'D
115-B	7+92.88 A	98.0'RT	11.8	115-A	2X2-FT	B-A	-	-	851.60	850.44	2.02	12	848.42	848.36	12	0.50%	CAST-IN-PLACE INLET REQ'D
120	47+99.33	41.6'RT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING STRUCTURE; STORM SEWER TAP REQ'D; CONCRETE COLLARS FOR PIPE REQ'D
120-A	47+91.56	32.4'RT	13.1	120	4-FT	H	-	-	851.99	851.16	4.05	15	847.11	846.98	13	1.00%	FLAT TOP 2'X3' OPENING REQ'D
120-B	47+74.51	16.4'LT	51.9	120-A	-	-	3-FT	J-S	852.95	851.71	3.97	12	847.74	847.21	52	1.02%	9-INCH COVER HEIGHT REQ'D
120-C	48+08.14	26.0'LT	31.5	120-B	3-FT	B-A	-	-	852.45	851.29	3.13	12	848.16	847.84	32	1.01%	FLAT TOP 2'X2' OPENING REQ'D
120-D	8+06.55 A	1.5'LT	16.2	120-A	2X3-FT	H	-	-	851.74	850.91	3.54	12	847.37	847.21	16	1.00%	FLAT TOP 2'X3' OPENING REQ'D
125	48+66.55	6.8'LT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	EXISTING STRUCTURE; STORM SEWER TAP REQ'D; CONCRETE COLLARS FOR PIPE REQ'D
125-A	48+68.82	14.0'RT	20.9	125	-	-	3-FT	J-S	853.02	851.78	4.06	12	847.72	847.51	21	1.00%	9-INCH COVER HEIGHT REQ'D; FIELD VERIFY INVERT ELEVATION
125-B	48+51.05	30.0'RT	25.4	125-A	3-FT	B-A	-	-	852.59	851.43	3.46	12	847.97	847.72	25	1.00%	FLAT TOP 2'X2' OPENING REQ'D

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	DISCHARGE PIPE INLET ELEV.	DISCHARGE PIPE DISCHARGE ELEV.	DISCHARGE PIPE LENGTH (FT)	DISCHARGE PIPE SLOPE (%)	REMARKS
C-9	148+89.09 SB	3.8' LT	-	-	-	-	-	-	-	-	-	-	847.44	-	-	-	2 - CONCRETE COLLARS FOR PIPE REQ'D
130	148+98.38 SB	8.0' LT	10.0	C-9	-	-	8-FT	J-S	853.26	852.02	4.51	18	847.51	847.44	10	0.70%	9-INCH COVER HEIGHT REQ'D; FIELD VERIFY INVERT ELEVATION
130	148+98.38 SB	8.0' LT	10.0	C-9	-	-	-	-	-	-	-	24	847.51	847.44	10	0.70%	-
130-A	49+41.98	1.5' LT	25.8	130	4-FT	H-S	-	-	853.10	852.27	4.22	18	848.05	847.79	26	1.00%	FLAT TOP 2'X3' OPENING REQ'D
130-B	49+55.00	1.5' LT	12.9	130-A	4-FT	H-S	-	-	853.04	852.21	3.93	15	848.28	848.15	13	1.00%	FLAT TOP 2'X3' OPENING REQ'D
130-C	49+55.00	28.4' RT	29.9	130-B	2X3-FT	H-S	-	-	853.11	852.28	3.60	15	848.68	848.38	30	1.00%	-
130-D	49+65.00	27.9' RT	10.9	130-C	2X3-FT	H-S	-	-	853.17	852.34	3.45	12	848.89	848.78	11	1.00%	-
C-10	148+63.73 SB	41.7' LT	6.0	145	-	-	-	-	-	-	-	18	848.06	847.97	6	1.50%	CONCRETE COLLARS FOR PIPE REQ'D
145	148+68.35 SB	37.3' LT	40.2	130	-	-	4-FT	J-S	853.10	851.86	3.99	18	847.87	847.51	40	0.90%	9-INCH COVER HEIGHT REQ'D
135	149+39.08 SB	26.7' LT	41.9	130	-	H-S	8-FT	-	852.59	851.76	3.52	18	848.24	847.61	42	1.50%	FLAT TOP 2'X3' OPENING REQ'D
135	149+39.08 SB	26.7' LT	41.9	130	-	-	-	-	-	-	-	19X30	848.24	847.61	42	1.50%	FLAT TOP 2'X3' OPENING REQ'D
135-A	149+31.57 SB	58.0' LT	31.9	135	-	-	7-FT	J-S	853.12	852.29	3.04	19X30	849.25	848.64	32	1.91%	4-INCH COVER HEIGHT REQ'D
C-12	149+27.80 SB	67.7' LT	10.0	135-A	-	-	-	-	-	-	-	18	849.33	849.25	10	0.80%	CONCRETE COLLARS FOR PIPE REQ'D
135-B	149+13.41 SB	65.6' LT	15.2	135-A	MEDIAN 1G	MS-A	-	-	852.50	852.50	2.65	12	849.85	849.77	15	0.53%	-
C-13	149+05.77 SB	68.2' LT	6.0	135-B	-	-	-	-	-	-	-	12	849.88	849.85	6	0.50%	CONCRETE COLLARS FOR PIPE REQ'D
C-14	148+81.08 SB	75.2' LT	-	-	-	-	-	-	-	-	-	-	849.97	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
135-C	148+73.63 SB	77.0' LT	6.0	C-14	MEDIAN 1G	MS-A	-	-	852.52	852.52	2.52	12	850.00	849.97	6	0.50%	-
135-D	148+63.39 SB	93.6' LT	18.2	135-C	4-FT	H	-	-	852.60	851.77	1.68	12	850.09	850.00	18	0.50%	FLAT TOP 2'X3' OPENING REQ'D
140	149+72.49 SB	18.8' LT	31.0	135	-	-	4-FT	J-S	852.88	851.64	3.12	18	848.52	848.24	31	0.90%	9-INCH COVER HEIGHT REQ'D
140-A	50+40.71	26.5' LT	27.6	140	4-FT	H	-	-	852.35	851.52	2.75	18	848.77	848.52	28	0.89%	FLAT TOP 2'X3' OPENING REQ'D
140-B	50+50.70	26.2' LT	10.0	140-A	4-FT	H-S	-	-	852.30	851.47	2.62	18	848.85	848.77	10	0.80%	FLAT TOP 2'X3' OPENING REQ'D
140-C	50+60.70	25.9' LT	10.0	140-B	4-FT	H	-	-	852.35	851.52	2.59	18	848.93	848.85	10	0.80%	FLAT TOP 2'X3' OPENING REQ'D
C-11	50+66.69	26.2' LT	6.0	140-C	-	-	-	-	-	-	-	12	849.45	849.43	6	0.33%	CONCRETE COLLARS FOR PIPE REQ'D
C-15	147+29.32 SB	108.5' LT	-	-	-	-	-	-	-	-	-	-	849.33	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
150-A	147+20.36 SB	109.1' LT	6.0	C-15	4-FT	H-S	-	-	853.10	852.27	2.91	15	849.36	849.33	6	0.50%	FLAT TOP 2'X3' OPENING REQ'D
150-B	147+13.02 SB	117.9' LT	10.0	150-A	2X3-FT	H-S	-	-	853.15	852.32	2.66	12	849.66	849.61	10	0.50%	-



NOTE:

ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

EXISTING SIGNS AND POSTS TO BE REMOVED BY OTHERS. IF NEEDED, CONTRACTOR TO REMOVE CONCRETE BASE UNDER REMOVING SMALL SIGN SUPPORTS BID ITEM.

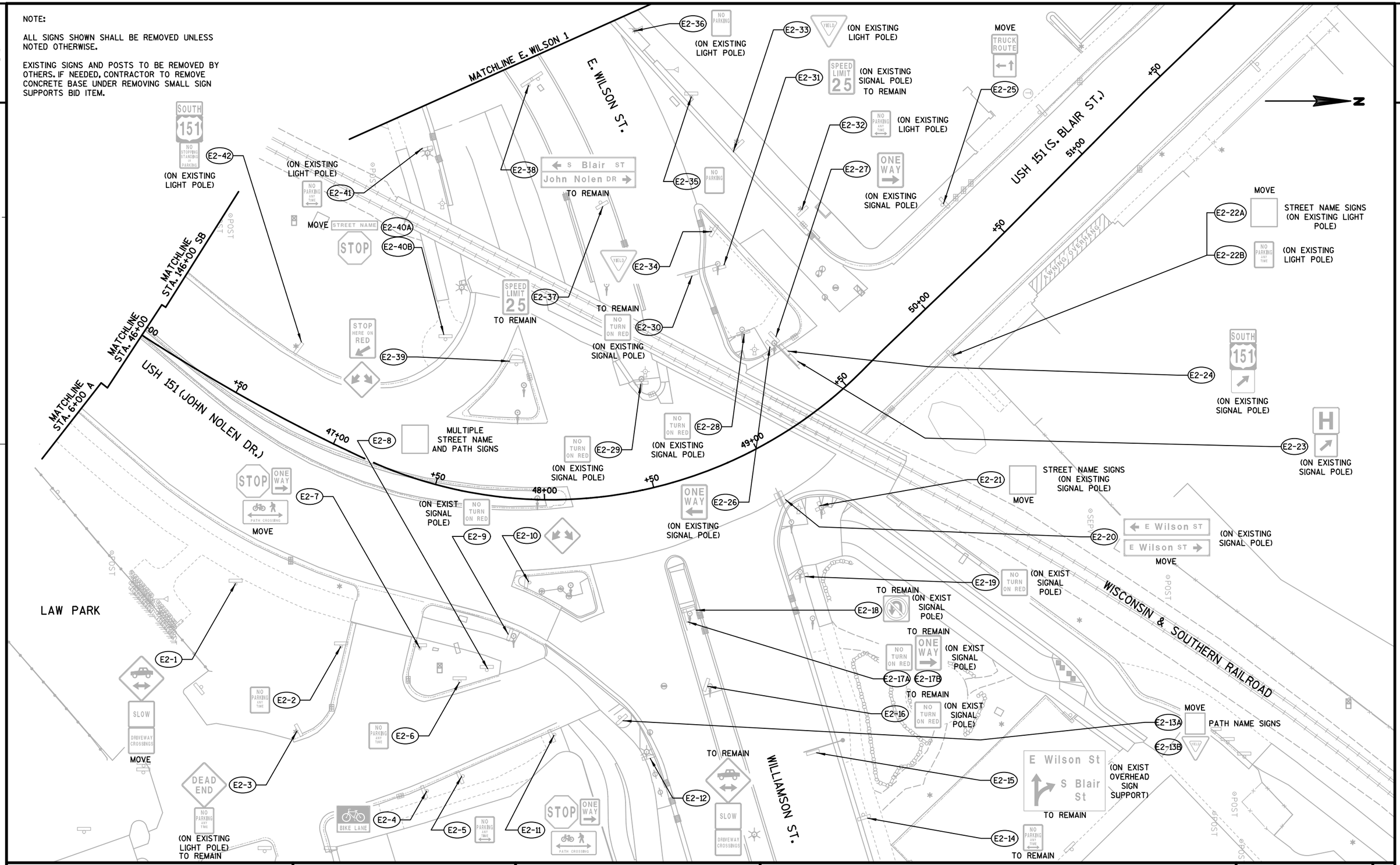
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\023201_ps.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE:

ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

EXISTING SIGNS AND POSTS TO BE REMOVED BY OTHERS. IF NEEDED, CONTRACTOR TO REMOVE CONCRETE BASE UNDER REMOVING SMALL SIGN SUPPORTS BID ITEM.



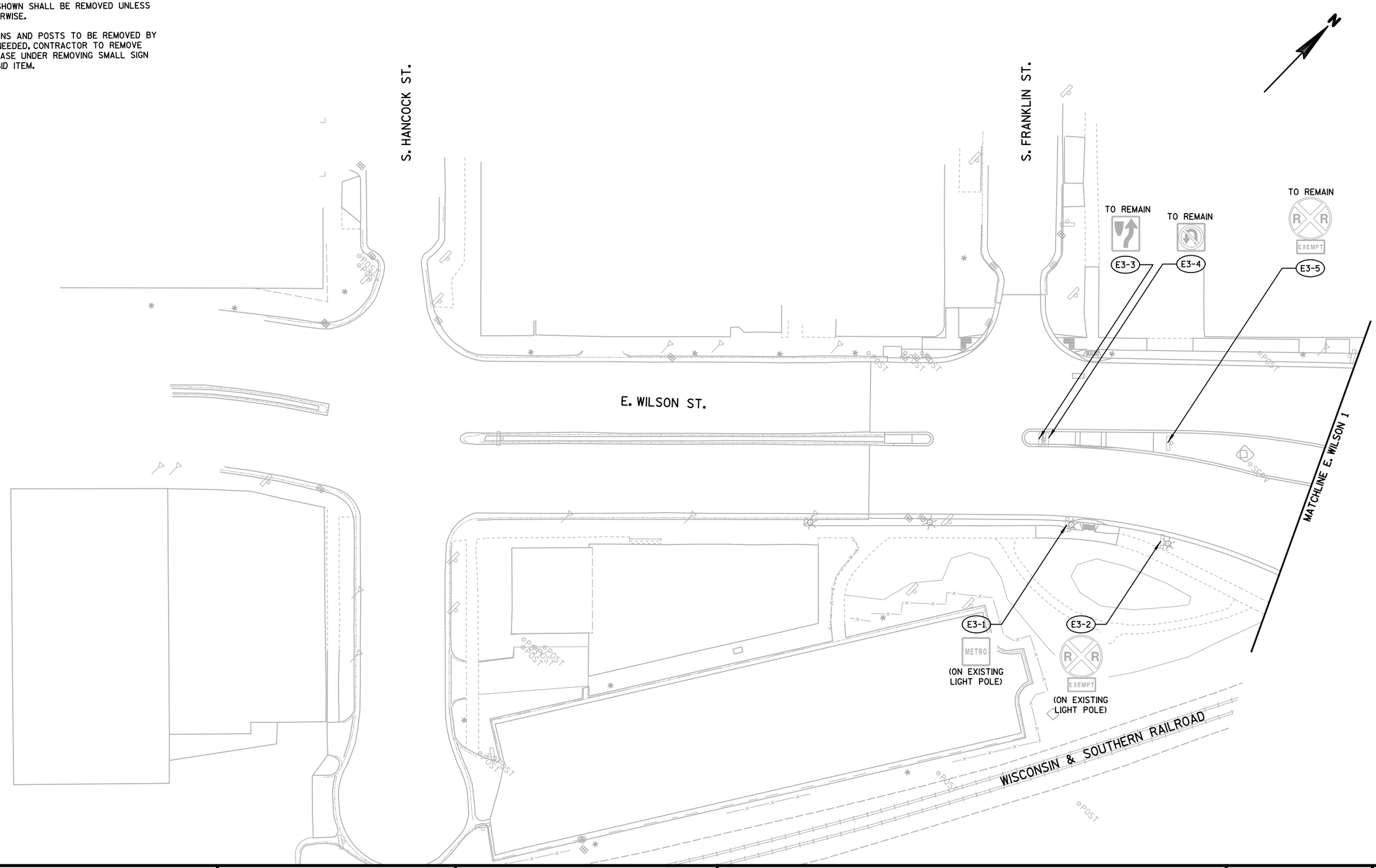
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\023202_ps.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTE:

ALL SIGNS SHOWN SHALL BE REMOVED UNLESS NOTED OTHERWISE.

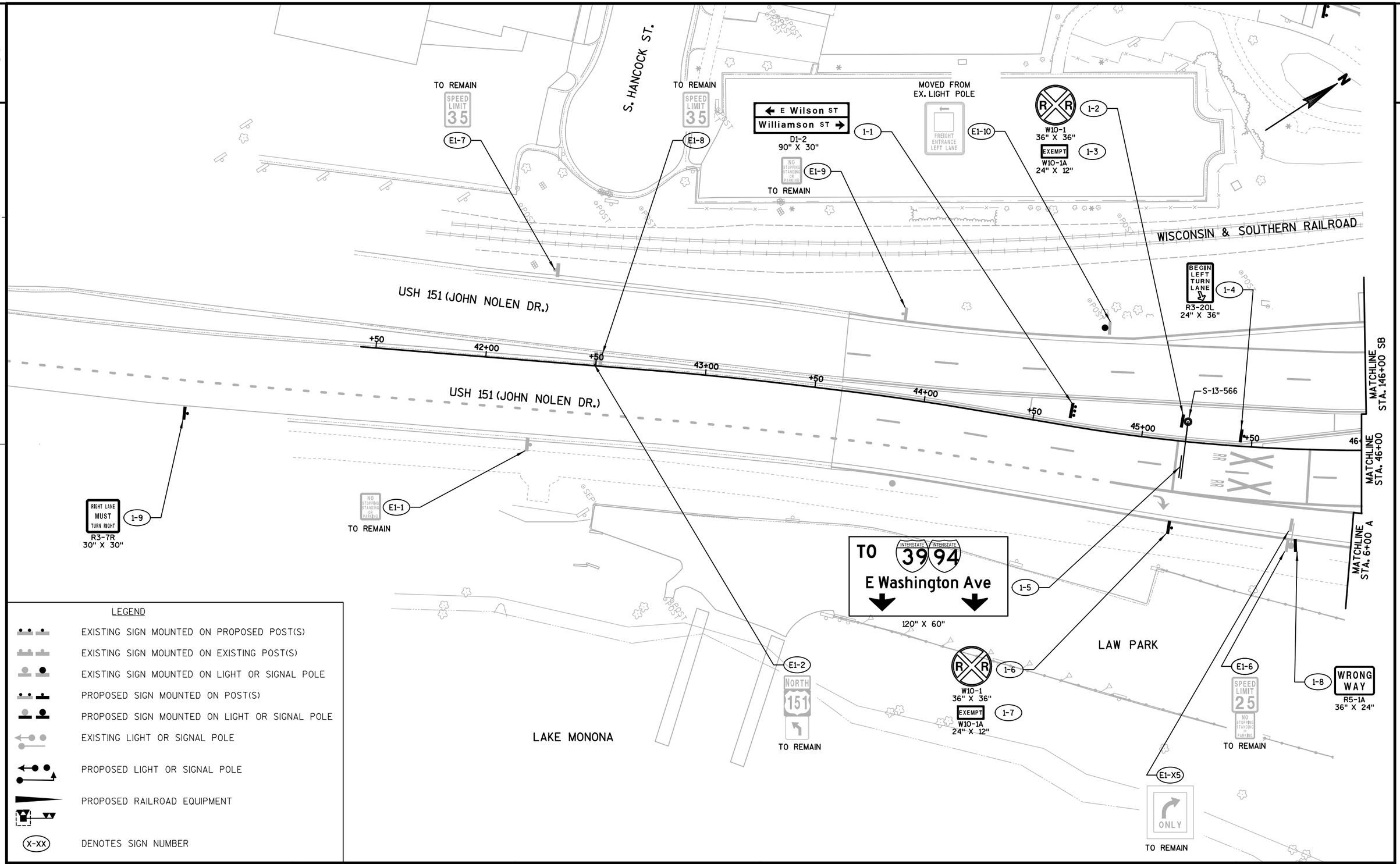
EXISTING SIGNS AND POSTS TO BE REMOVED BY OTHERS. IF NEEDED, CONTRACTOR TO REMOVE CONCRETE BASE UNDER REMOVING SMALL SIGN SUPPORTS BID ITEM.



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	SIGN REMOVAL DETAILS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\023203_ps.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

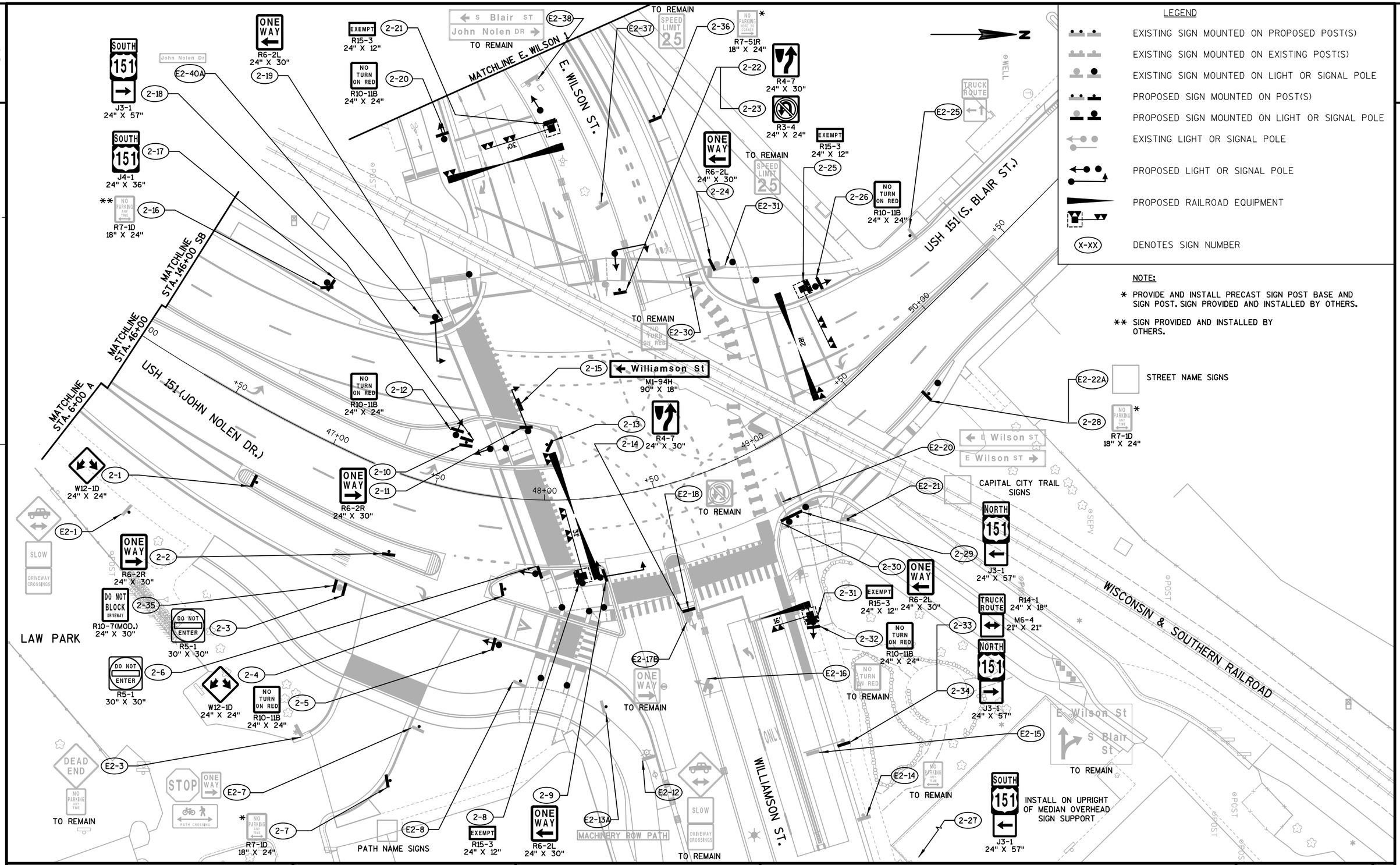


LEGEND

- EXISTING SIGN MOUNTED ON PROPOSED POST(S)
- EXISTING SIGN MOUNTED ON EXISTING POST(S)
- EXISTING SIGN MOUNTED ON LIGHT OR SIGNAL POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT OR SIGNAL POLE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- PROPOSED RAILROAD EQUIPMENT
- (X-XX) DENOTES SIGN NUMBER

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\023204_ps.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\023205_ps.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON PROPOSED POST(S)
- EXISTING SIGN MOUNTED ON EXISTING POST(S)
- EXISTING SIGN MOUNTED ON LIGHT OR SIGNAL POLE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON LIGHT OR SIGNAL POLE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- PROPOSED RAILROAD EQUIPMENT
- X-XX DENOTES SIGN NUMBER

NOTE:

** SIGN PROVIDED AND INSTALLED BY OTHERS.

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

TO REMAIN E3-3

TO REMAIN E3-4

TO REMAIN R R EXEMPT E3-5

MATCHLINE E. WILSON ST

W10-1 36" X 36" 3-1

EXEMPT W10-1A 24" X 12" 3-2

NORTH 151 SOUTH 151 J2-2 48" X 57" 3-3

** NO PARKING ANY TIME R7-1D 18" X 24" 3-4

151

WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\023206_ps.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

WISCONSIN & SOUTHERN RAILROAD

E. WILSON ST.

USH 151 (S. BLAIR ST.)

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

LAW PARK

LYNNG STEPHANS

0709-133-1722-2
JDJ IMPORT COMPANY LLC
% ROBERT L WORM
518 E Wilson St

0709-133-1723-0
CHUBBY MARIE PROPERTY PARTNERSHIP
% ROBERT L WORM
522 E Wilson St

+50 SB
146+00 SB
147+00 SB
148+00 SB
149+00 SB
150+00 SB
51+00
46+00
47+00
48+00
49+00
6+00 A
7+00 A
8+00 A
+50 A
+50
30'
28'
16'
15'

N

LEGEND

- OVERHEAD, CANTILEVERED RAILROAD SIGNAL (CONCRETE BASE: 5'DEEP AND 6.5'X6.5'WIDE)
- RAILROAD GATE (DIRECT BURY BASE: 5'DEEP AND 3'X3'WIDE)
- TRAFFIC FLOW

FOR INFORMATIONAL USE ONLY

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	RAILROAD EQUIPMENT LOCATIONS	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024001_sp_RR.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

LEGEND

CONDUIT
G BASE
LB-1 BASE
LB-3 BASE
LB-8 BASE
HH TYPE 3
HH TYPE 1
HH TYPE 5
HH TYPE 7
TYPE P BASE
TEMP WOOD POLE

STREET LIGHT NUMBER
STATION & OFFSET
P111 - STA:XX+XX, XX.XXR
LB1 - 30FT - 11GA - LED A - 8FT ARM
ARM LENGTH
FIXTURE
POLE GAUGE
POLE HEIGHT
BASE TYPE

E WILSON ST

CONNECT TO
EXISTING 2" CONDUIT

P887 - STA: 45+61, 202.61L
LB1 - 12FT - XX - DECORATIVE

(1) - 2"

WP1

SL4303 - STA: 44+78, 46.09L
LB3 - 30FT - 11GA - TALON

(1) - 2"

USH 151 (JOHN NOLEN DR)

41+43
42+00
43+00
44+00
45+00

MATCHLINE 46+00.00

2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STREET LIGHT PLAN	SHEET 55	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - SL.DWG
LAYOUT NAME - 5400-00-72 SHEET 1

PLOT DATE : 7/30/2021 9:34 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 42

2

2

N

WP2

SL910 - STA: 46+30, 162.59L
LB8 - 30FT - 7GA - TALON

P888 - STA: 46+74, 148.70L
LB1 - 12FT - XX - DECORATIVE

SL4301 - STA: 46+64, 62.79L
LB3 - 30FT - 11GA - TALON

MATCH TO EXISTING 2"

*HH1

MATCH TO EXISTING 2"

*SL912 - STA: 47+31, 62.79L
LB3 - 30FT - 11GA - TALON

*WP4

*WP3

MATCHLINE 46+00.00

USH 151 (JOHN NOLEN DR)

*SL916 - STA: 47+91, 30.51L
LB8 - 30FT - 7GA - TALON

*HH2

*HH3

MATCH TO EXISTING 2"

*WP5

*CB1
STA: 47+81, 82.32R

*CB2
STA: 47+84, 80.62R

*HH4

MATCH TO EXISTING 2"

WILLIAMSON ST

E WILSON ST

HH5 - INTERCEPT
EXISTING CONDUIT

P35 - STA: 49+91, 115.07L
LB1 - 12FT - XX - DECORATIVE

P34 - STA: 49+90, 64.59L
LB1 - 12FT - XX - DECORATIVE

*HH7

*HH6

MATCHLINE 50+39.35 PROJECT ID 5400-00-73

USH 151 (S BLAIR ST)

USH 151
(S BLAIR ST)

*HH8

SL914 - STA: 49+80, 28.74R
LB3 - 30FT - 11GA- TALON

WP6

*SL917 - STA: 48+22, 38.22R
LB8 - 30FT - 7GA - TALON

*HH9

47+00

48+00

49+00

50+00

LEGEND

- CONDUIT
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE

STREET LIGHT NUMBER
STATION & OFFSET

P111 - STA:XX+XX, XX.XXR
LB1 - 30FT - 11GA - LED A - 8FT ARM

ARM LENGTH
FIXTURE
POLE GAUGE
POLE HEIGHT
BASE TYPE

* STRUCTURE ALSO SHOWN ON OTHER SHEET

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STREET LIGHT PLAN	SHEET 56	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - SL.DWG
LAYOUT NAME - 5400-00-72 SHEET 2

PLOT DATE : 7/30/2021 9:34 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 42

2

LEGEND

- CONDUIT
- CONDUIT W/ FO
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE
- DETECTOR LOOP
- SIGNAL HEADS

E WILSON ST

CONNECT TO
EXISTING 3" FO CONDUIT

(1) - 3"

MATCH & CONNECT TO EXISTING

(1) - 3"

USH 151 (JOHN NOLEN DR)

41+43 42+00 43+00 44+00 45+00

MATCHLINE 46+00.00

L1

L2

HH11 - TYPE 3 - INTERCEPT EXISTING CONDUIT
STA: 45+71 OFF: 44.63 R

N

2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 57	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - TS.DWG
LAYOUT NAME - 5400-00-72 SHEET 1

PLOT DATE : 7/30/2021 8:19 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 42

2

N

MATCHLINE 46+00.00

MATCHLINE 50+39.35 PROJECT ID 5400-00-73

USH 151 (JOHN NOLEN DR)

USH 151 (S BLAIR ST)

E WILSON ST

WILLIAMSON ST

SB1
HH13
MATCH TO EXISTING 3"
MATCH TO EXISTING 3" FO
*HH1
MATCH TO EXISTING 3"
*WP3
*SB2
SB3
*WP4
MATCH TO EXISTING 3"
HH14
SB4
*SB5
SB6
SB7
SB8
*HH2
SB10
SB11
*SB9
HH12
MATCH & CONNECT TO EXISTING FO CONDUIT
*HH3
HH15
*WP5
SB12
SB15
*CB1
STA: 47+81, 82.32R
*CB2
STA: 47+84, 80.62R
*HH4
SB16
SB17
MATCH TO EXISTING (3)-3" & (1)-2" CONDUITS
SB13
SB14
MATCH TO EXISTING FO & TS CONDUIT
SB18
SB19
SB20
SB21
*HH7
*HH6
*HH8
*HH9
HH10
CONNECT & MATCH TO EXISTING
SB22
EXISTING DETECTION LOOPS OFFSET 165'.00R

LEGEND

- CONDUIT
- CONDUIT W/ FO
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE
- DETECTOR LOOP
- SIGNAL HEADS
- EXISTING: DETECTORS
- EXISTING: SIGNAL HEADS

* STRUCTURE ALSO SHOWN ON OTHER SHEET

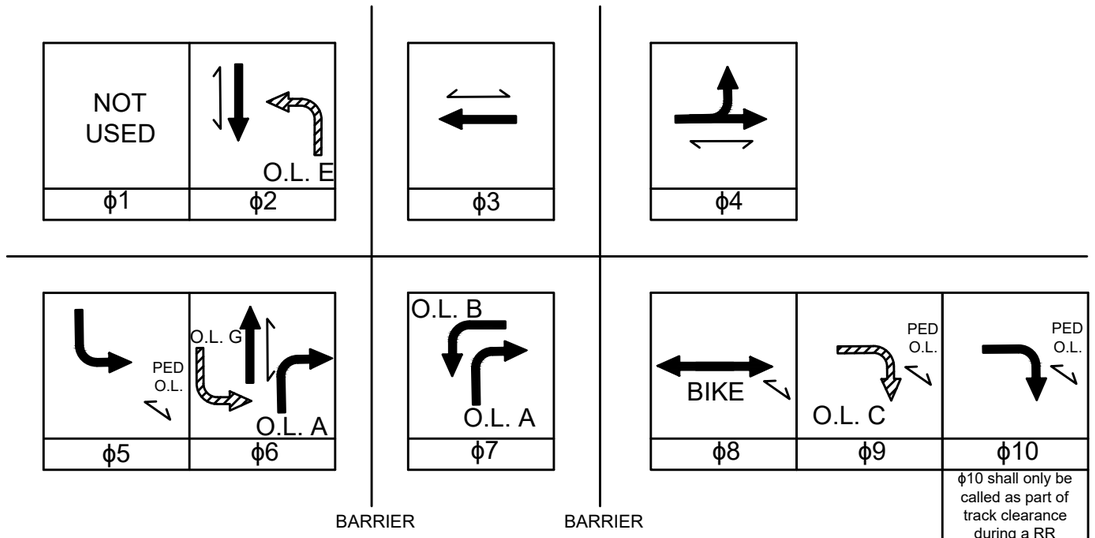
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 58	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - TS.DWG
LAYOUT NAME - 5400-00-72 SHEET 2

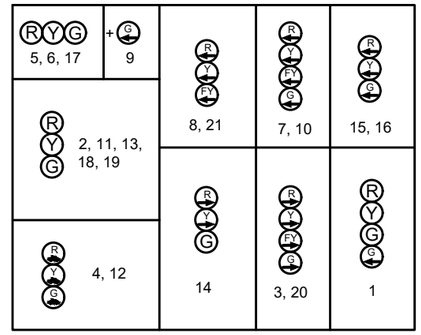
PLOT DATE : 7/30/2021 8:40 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

	HEAD NUMBERS	FLASH	
ϕ1			
ϕ2	5, 6, 7, 18	R	
ϕ3	E1, 19	R	
ϕ4	E3, 1, 2, 9, 11	R	
ϕ5	7, 10	R	
ϕ6	E2, 13	R	
ϕ7		R	
ϕ8	4, 12	R	
ϕ9	3, 20	R	
ϕ10	7, 8	R	
ϕ2 PED	1, 2		
ϕ3 PED	1, P10		
ϕ4 PED	3, 4, 5, 6		
ϕ6 PED	9, P2		O.L. ASSIGNMENTS
OLA	E4, E9, 14	R	ϕ6 ϕ7
OLB	E5, 15, 16	R	ϕ7
OLC	3, 20	R	ϕ9
OLD			
OLE	8, 21		ϕ2
OLF			
OLG	7, 10		ϕ6
PED OL	7, 8		ϕ5 ϕ8 ϕ9 ϕ10

N



PERMANENT 12" SIGNAL HEADS WITH BACKPLATES



DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
DETECTOR #(S)	L3	D10	D1	D2	D11	L9	L3	L1
PHASE CALLED	2				4	6	6	6
PHASE EXTENDED	2	3	4	4	4	6	6	6
DISCONNECT TIME								
CALLING DELAY								
EXTENSION STRETCH								
LOOP FUNCTION								

19	17	23	21	27	25	31	29	DETECTOR INPUT
L2	D8	D9						DETECTOR #(S)
6	7	7						PHASE CALLED
6	7	7						PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14
DETECTOR #(S)	L10	D7	D3	D4	L8	L5	L4	L6
PHASE CALLED	2	3	4	4	4/9	6	6	6
PHASE EXTENDED	2	3	4	4	4/9	6	6	6
DISCONNECT TIME								
CALLING DELAY					15	10		15
EXTENSION STRETCH								
LOOP FUNCTION								

20	18	24	22	28	26	32	30	DETECTOR INPUT
	D6	D6						DETECTOR #(S)
	7	7						PHASE CALLED
	7	7						PHASE EXTENDED
								DISCONNECT TIME
								CALLING DELAY
								EXTENSION STRETCH
								LOOP FUNCTION

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	
FIBER	X
CELL MODEM	
PHONE	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE LIGHTING CABINET	X

TYPE OF PRE-EMPT	
NONE	
RAILROAD	X
EMERGENCY VEHICLE	
GTT	X
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

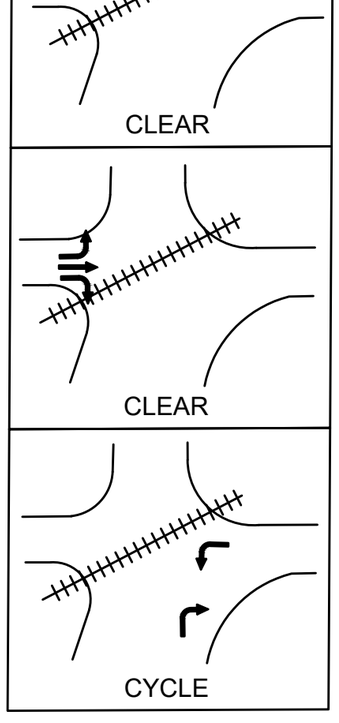
PREEMPTION ASSIGNMENTS

PREEMPTION DESIGNATION	PREEMPTION TYPE	EVP CHANNEL	PHASE(S) CALLED
1	RR		SEE CHART
2	RESERVED		
3	WB EVP	A	ϕ3 ϕ7
4	NB-SB EVP	B	ϕ2 ϕ6
5	NOT USED		
6	NOT USED		
7	NOT USED		
8	NOT USED		
9	NOT USED		
10	NOT USED		

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / ϕ	PHASE RECALL	PHASE ACTIVE
1				
2	X	X	X	X
3		X		X
4	X	X		X
5				X
6	X	X	X	X
7		X		X
8	X	X		X
9		X		X
10	X	X		X

RR PREEMPT CYCLE



LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	5-V
R Y G 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 10, 15 *	R Y G 17
3-VL	**3-VR**	
R Y G 12, 13, 18	R Y G 19, 20	

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

TRAFFIC CONTROL DRUMS AT 5' SPACING TO DELINIATE WOOD POLE

E. WILSON ST.

USH 151 (S. BLAIR ST.)

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

LOT 2 BLOCK 125

BIKE

50+00 +50 49+00 +50 48+00 +50 47+00 +50 46+00 +50

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101a_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	5-V
R Y G 5, 7 8, 14, 16, 17	R Y G 19 * 15	R Y G 19 * 19 * 17
3-V*	**4-V***	**3-VL***
R Y G 1, 3, 4, 9, 11	R Y G 19 10	19 18
	3-VL	**3-VR**
	19 R Y 12, 13	19 R Y 19, 20

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN-STAGE 1B, PH1 BLAIR CLOSED	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101b__p1_st_Blair Closed.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 2, 5, 7, 8, 9, 11, 14, 16 16	R Y G (G)* 15	R (Y-1) (G-1) 12, 13
3-V*	**4-V***	**3-VL***
R Y G 1, 3, 4, 9, 11	R Y G (G) 10	R (Y-1) (G-1) 18
	3-VR	**5-V**
	R (Y-1) (G-1) 19, 20	R Y G (Y-1) (G-1)* 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.
USH 151 (S. BLAIR ST.)
WISCONSIN & SOUTHERN RAILROAD
USH 151 (JOHN NOLEN DR.)
WILLIAMSON ST.
BIKE
SAN
+50
50+00
49+00
47+00
46+00

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN-STAGE 1B, PH2 BLAIR CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101b_2p_st_Blair Closed.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 2, 5, 6, 7, 8, 14, 16	R Y G (13)* 15	(12) (13) 12, 13
3-V*	**4-V***	**3-VL***
R Y G 1, 3, 4, 9, 11,	R Y G (13) 10	(12) (13) 18
	3-VR	**5-V**
	(12) (13) (14) 19, 20	R Y G (13)* (14)* 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

TRAFFIC CONTROL DRUMS AT 5' SPACING TO DELINIATE WOOD POLE

E. WILSON ST.

USH 151 (S. BLAIR ST.)

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

BIKE

50+00 +50 49+00 +50 48+00 +50 47+00 +50 46+00 +50

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101b_p1_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 2, 5, 6, 7, 8, 9, 11, 14, 16,	R Y G (G)* 10, 15	(R) (Y) (G) 12, 13
3-V*	**3-VL***	**3-VR**
R Y G 1, 3, 4	(R) (Y) (G) 18	(R) (Y) (G) 19, 20
		5-V
		R Y G (G)* * 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

TRAFFIC CONTROL DRUMS AT 5' SPACING TO DELINIATE WOOD POLE

E. WILSON ST.

USH 151 (S. BLAIR ST.)

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

BIKE

50+00 +50 47+00 +50 46+00 +50 48+00 +50 49+00 +50

12'

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B, PHASE 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101b_p2_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 2, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 4 * 10, 15	4 1 6 12, 13
3-V*	**3-VL***	**3-VR**
R Y G 1, 3, 4	4 1 6 18	4 1 6 19, 20

5-V
R Y G 4 1 6 * * 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.
USH 151 (S. BLAIR ST.)
WISCONSIN & SOUTHERN RAILROAD
USH 151 (JOHN NOLEN DR.)
WILLIAMSON ST.
BIKE
50+00
49+00
48+00
47+00
46+00
+50
14'

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101c_1p_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 9 10, 15	R Y G 9 12, 13, 17, 18
3-VL*	**3-VR**	**5-V**
R Y G 9 12, 13, 18	R Y G 9 19, 20	R Y G G Y 9 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.
WISCONSIN & SOUTHERN RAILROAD
USH 151 (S. BLAIR ST.)
USH 151 (JOHN NOLEN DR.)
WILLIAMSON ST.
BIKE
BL
+50
50+00
49+00
47+00
46+00
14'
11'

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101c_2p_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	4-V
R Y G 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 19 15	R Y G 19 10
3-VL*	**3-VR**	**5-V**
19 (R) (Y) (G) 12, 13, 18	19 (R) (Y) (G) 19, 20	R Y G (R) (Y) (G) 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.

USH 151 (S. BLAIR ST.)

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1C, PHASE 3	SHEET 67	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101c_3p_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
3. ADJUST SIGNALS AS APPROPRIATE TO ENSURE SIGNALS ARE VISIBLE DURING ALL CONSTRUCTION PHASES.
4. MAINTAIN RAILROAD PREEMPTION AT ALL TIMES.
5. 23-FEET MINIMUM VERTICAL CLEARANCE MUST BE MAINTAINED AT ALL TIMES FOR WIRE CROSSING RAILROAD TRACKS. SIGNAL HEADS ARE NOT PERMITTED ON WIRE CROSSING RAILROAD TRACKS.
6. SEE STANDARD DETAIL DRAWING "SPAN WIRE TEMPORARY TRAFFIC SIGNALS," FOR CLEARANCE THAT MUST BE MAINTAINED FOR TRAFFIC SIGNAL DROPS OVER LIVE TRAFFIC.
7. CONNECTIONS TO TEMPORARY PEDESTRIAN AND SIGNAL HEAD DROPS FROM THE MAIN SPANS ARE NOT EXPLICITLY SHOWN BUT ARE REQUIRED.
8. THE MATERIALS, MAINTENANCE, AND INTEGRATION OF THE TEMPORARY SIGNALS CABINET AND CONTROLLER IS SPECIFIED IN SPV.0060.12 OF THE SPECIAL PROVISIONS.
9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 10, 15 *	R Y G 12, 13, 18

5-V
R Y G G G 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.
USH 151 (S. BLAIR ST.)
WISCONSIN & SOUTHERN RAILROAD
USH 151 (JOHN NOLEN DR.)
WILLIAMSON ST.
BIKE
RR
50+00
49+00
48+00
47+00
46+00
11'
13'
14'
14.5'
12.5'
7'

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101d_1p_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

1. ALL SIGNAL HEADS SHALL BE 12 INCH WITH BACKPLATES ON ALL FAR SIGNAL HEADS.
2. PEDESTRIAN SIGNAL FACES SHALL BE PROVIDED FOR CROSSING ALL CROSSWALKS. INSTALL ON EITHER TEMPORARY POLES OR MOBILE BARRELS/SKIDS FED FROM OVERHEAD CABLES AS REQUIRED.
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TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 1 10	R 1 Y 1 G 1 18
4-V	**3-VL***	**5-V**
R Y G 1 * 15	R 1 Y 1 G 1 12, 13	R Y G 1 Y 1 G 1 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.
USH 151 (S. BLAIR ST.)
WISCONSIN & SOUTHERN RAILROAD
USH 151 (JOHN NOLEN DR.)
WILLIAMSON ST.
BIKE
49+00
48+00
47+00
46+00

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1D, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101d_2p_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

- CABLE - OVERHEAD
- TYPE 4 WOOD POLE
- WOOD POST OR SKID
- SIGNAL HEAD OVERHEAD MOUNT
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN HEAD
- WORK ZONE
- TEMPORARY CROSSWALK ACCESS
- TRAFFIC FLOW ARROW
- LUMINAIRE

CONSTRUCTION NOTES:

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9. STOP BAR DETECTION IS REQUIRED ON ALL APPROACHES THAT ARE ACTIVE.

TEMPORARY SIGNAL HEAD CONFIGURATION WITH HEAD NUMBERS

3-V	4-V	3-VL
R Y G 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 14, 15, 16	R Y G 9* 10, 15	R Y G 9 12, 13, 18
	3-VR	**5-V**
	R Y G 9 19, 20	R Y G 9 10 17

* TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

E. WILSON ST.

USH 151 (S. BLAIR ST.)

WISCONSIN & SOUTHERN RAILROAD

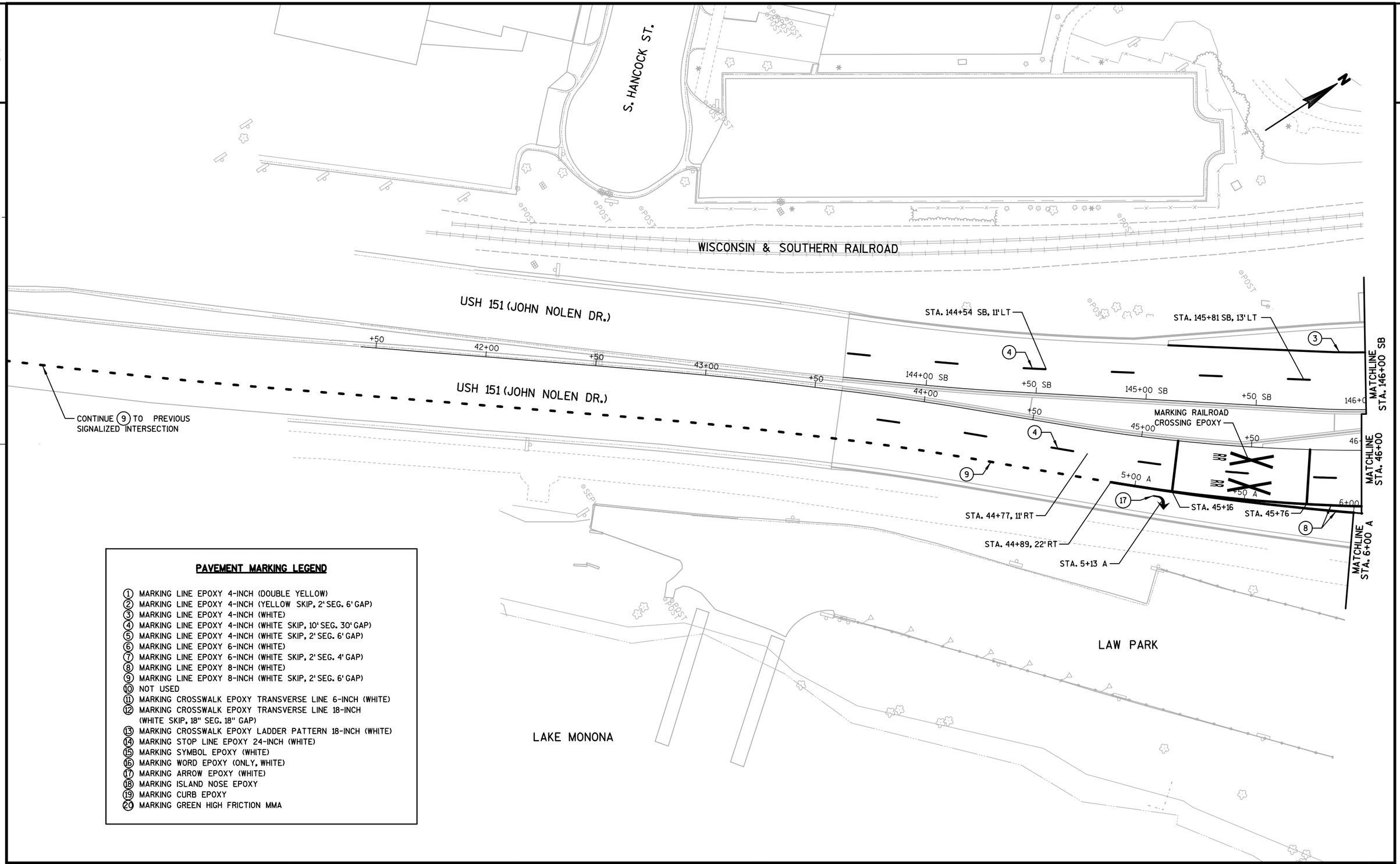
USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024101E_st.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 2' SEG. 6' GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
5. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 2' SEG. 6' GAP)
6. MARKING LINE EPOXY 6-INCH (WHITE)
7. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 4' GAP)
8. MARKING LINE EPOXY 8-INCH (WHITE)
9. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)
10. NOT USED
11. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (WHITE SKIP, 18" SEG. 18" GAP)
13. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING SYMBOL EPOXY (WHITE)
16. MARKING WORD EPOXY (ONLY, WHITE)
17. MARKING ARROW EPOXY (WHITE)
18. MARKING ISLAND NOSE EPOXY
19. MARKING CURB EPOXY
20. MARKING GREEN HIGH FRICTION MMA

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\024501_pm.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

MATCHLINE E. WILSON 1

WISCONSIN & SOUTHERN RAILROAD

E. WILSON ST.

MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 6' GAP)

STA. 149+91 SB, 11' LT

STA, 148+93 SB, 13' LT

STA, 149+11 SB, 13' LT

STA, 148+17 SB, 7' LT

STA. 148+34 SB, 23' LT

STA. 49+00, 12' LT

USH 151 (S. BLAIR ST.)

MATCHLINE STA. 146+00 SB

MATCHLINE STA. 46+00

MATCHLINE STA. 6+00 A

STA, 147+99 SB, 26' LT

STA, 147+64 SB, 11' LT

STA, 46+34, 0' RT

MARKING LINE EPOXY 4-INCH (YELLOW)

STA, 147+87 SB, 8' RT

USH 151 (JOHN NOLEN DR.)

STA. 149+21 SB, 0' RT

STA. 50+20, 11' RT

STA. 49+62, 14' RT

STA, 48+13, 15' LT

STA, 47+13, 14' RT

STA, 8+15 A

STA, 48+48, 28' RT

STA, 48+54, 28' RT

STA, 48+64, 37' RT

STA, 48+91, 1' LT

STA, 48+74, 5' LT

STA, 48+67, 0' LT

LAW PARK

WILLIAMSON ST.

ONLY

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 2' SEG. 6' GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
5. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 2' SEG. 6' GAP)
6. MARKING LINE EPOXY 6-INCH (WHITE)
7. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 4' GAP)
8. MARKING LINE EPOXY 8-INCH (WHITE)
9. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)
10. NOT USED
11. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (WHITE SKIP, 18" SEG. 18" GAP)
13. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING SYMBOL EPOXY (WHITE)
16. MARKING WORD EPOXY (ONLY, WHITE)
17. MARKING ARROW EPOXY (WHITE)
18. MARKING ISLAND NOSE EPOXY
19. MARKING CURB EPOXY
20. MARKING GREEN HIGH FRICTION MMA

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET 72	E

2

2

MATCHLINE E. WILSON 1

WISCONSIN & SOUTHERN RAILROAD

E. WILSON ST.

USH 151 (S. BLAIR ST.)

MATCHLINE STA. 146+00 SB

MATCHLINE STA. 46+00

MATCHLINE STA. 6+00 A

USH 151 (JOHN NOLEN DR.)

STA. 46+58

STA. 47+46

STA. 7+34 A

STA. 7+74 A

STA. 8+20 A

STA. 149+11 SB

STA. 49+56

LAW PARK

MARK AT EXISTING LOCATIONS

ONLY

WILLIAMSON ST.

MATCHLINE WILLIAMSON 1

MATCHLINE WILLIAMSON 1

190' FROM STOP BAR

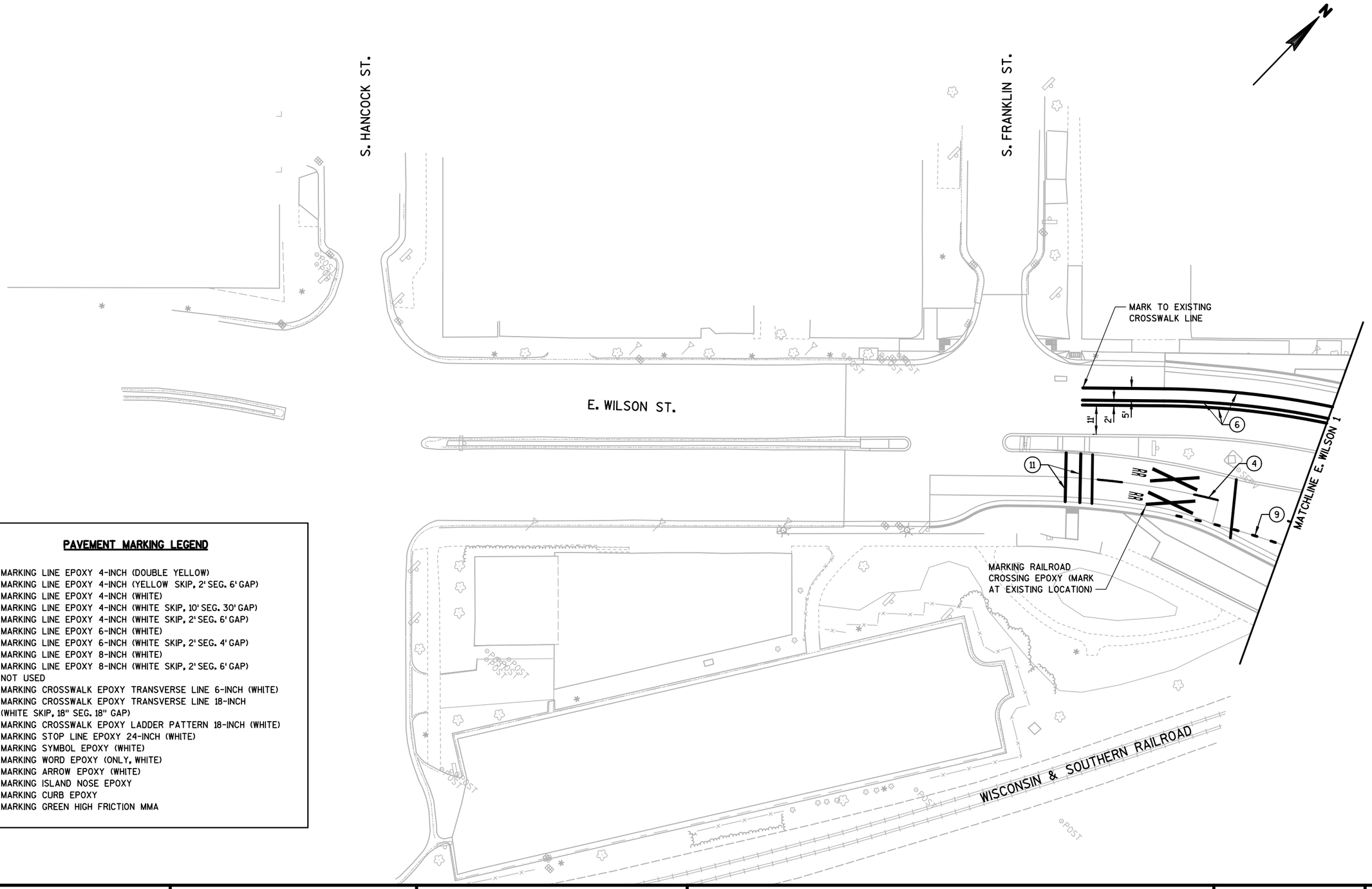
MARKING RAILROAD CROSSING EPOXY

PAVEMENT MARKING LEGEND

(1) MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
(2) MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 2' SEG. 6' GAP)
(3) MARKING LINE EPOXY 4-INCH (WHITE)
(4) MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
(5) MARKING LINE EPOXY 4-INCH (WHITE SKIP, 2' SEG. 6' GAP)
(6) MARKING LINE EPOXY 6-INCH (WHITE)
(7) MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 4' GAP)
(8) MARKING LINE EPOXY 8-INCH (WHITE)
(9) MARKING LINE EPOXY 8-INCH (WHITE SKIP, 2' SEG. 6' GAP)
(10) NOT USED
(11) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
(12) MARKING CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (WHITE SKIP, 18" SEG. 18" GAP)
(13) MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
(14) MARKING STOP LINE EPOXY 24-INCH (WHITE)
(15) MARKING SYMBOL EPOXY (WHITE)
(16) MARKING WORD EPOXY (ONLY, WHITE)
(17) MARKING ARROW EPOXY (WHITE)
(18) MARKING ISLAND NOSE EPOXY
(19) MARKING CURB EPOXY
(20) MARKING GREEN HIGH FRICTION MMA

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET 73	E

2



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (YELLOW SKIP, 2' SEG. 6' GAP)
3. MARKING LINE EPOXY 4-INCH (WHITE)
4. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 10' SEG. 30' GAP)
5. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 2' SEG. 6' GAP)
6. MARKING LINE EPOXY 6-INCH (WHITE)
7. MARKING LINE EPOXY 6-INCH (WHITE SKIP, 2' SEG. 4' GAP)
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12. MARKING CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (WHITE SKIP, 18" SEG. 18" GAP)
13. MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
14. MARKING STOP LINE EPOXY 24-INCH (WHITE)
15. MARKING SYMBOL EPOXY (WHITE)
16. MARKING WORD EPOXY (ONLY, WHITE)
17. MARKING ARROW EPOXY (WHITE)
18. MARKING ISLAND NOSE EPOXY
19. MARKING CURB EPOXY
20. MARKING GREEN HIGH FRICTION MMA

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET 74	E

TRAFFIC CONTROL LEGEND

- TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED WITH BASE AGGREGATE DENSE 1 1/4-INCH FOR TURNING VEHICLES
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- CONTRASTING DETECABLE WARNING FIELD (PAID FOR AS TEMPORARY PEDESTRIAN CURB RAMP)
- TEMPORARY PEDESTRIAN CURB RAMP
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH SIGN (TWO WARNING LIGHTS TYPE A REQ'D)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D)
- MARKING REMOVAL
- TRAFFIC FLOW ARROW
- ARROW BOARD
- CC CRASH CUSHIONS TEMPORARY
- CONCRETE BARRIER TEMPORARY PRECAST DELIVERED; INSTALLED

PAVEMENT MARKING LEGEND

- MARKING REMOVAL
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- (4W) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (4Y) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (4DY) TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- (8W) TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- (SL-18) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- (RT-4W) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (RT-4Y) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (RCT-4W) TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
- (RT-DI-12W) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
- (RT-DI-12Y) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
- (RT-4DY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- (RT-8W) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (RCT-8W) TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
- (RT-SL-18) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (PERM.) PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL NOTES

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

DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

DO NOT PLACE TRAFFIC CONTROL DEVICES OR MARKINGS ON OR ACROSS A RAILROAD CROSSING SURFACE OR TRACK.

SEE THE PEDESTRIAN ROUTING PLAN SHEETS FOR SIDEWALK AND PATH RELATED SIGNAGE DURING CONSTRUCTION.

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

REMOVE OR COVER ANY SIGNS, TEMPORARY OR EXISTING, THAT CONFLICT WITH TRAFFIC CONTROL "IN-USE" AS APPROVED BY THE ENGINEER.

USE ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC. SIGNS AS NEEDED AND REMOVE OR COVER THEM WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

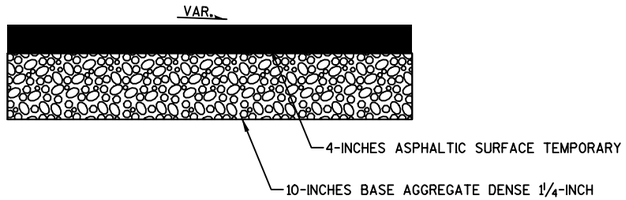
SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS. MAINTAIN LOCAL ACCESS AT ALL TIMES.

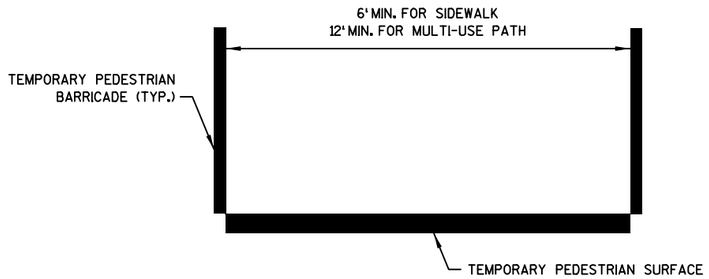
REMOVE PAVEMENT MARKING THAT CONFLICTS WITH TRAFFIC CONTROL "IN-USE" AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC CONTROL DRUM AND TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES SPACING IS 25' ALONG TRAVEL LANES, UNLESS OTHERWISE NOTED. SPACING IS 10' AT INTERSECTIONS ALONG TURNING MOVEMENTS OR OTHER ACCESS POINTS.

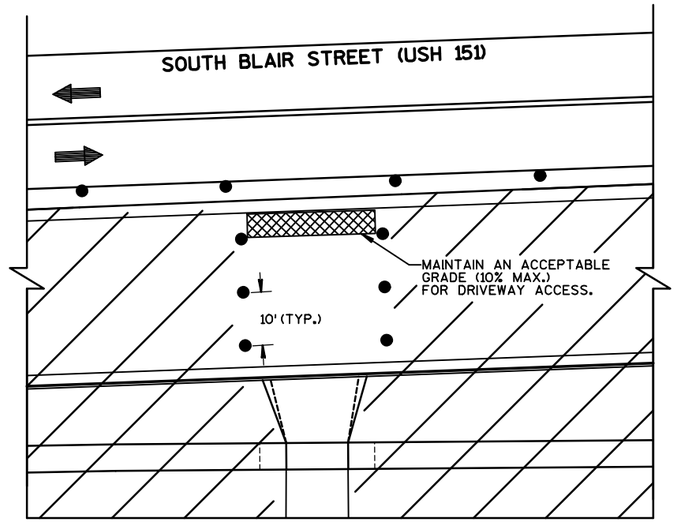
FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION"



TEMPORARY ASPHALTIC PAVEMENT STRUCTURE



MINIMUM CLEAR WIDTHS BETWEEN TEMPORARY PEDESTRIAN BARRICADE



MAINTAIN ACCESS PER THE SPECIAL PROVISONS

TEMPORARY ACCESS TO DRIVEWAY DETAIL - ALL CONSTRUCTION STAGES *

* DETAIL MIRRORED AS NEEDED TO MATCH APPLICABLE CONSTRUCTION STAGE.

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR — M4-9-A-L, 30" X 24"

*⑨ DETOUR — M4-9-A-R, 30" X 24"

*⑩ DETOUR — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

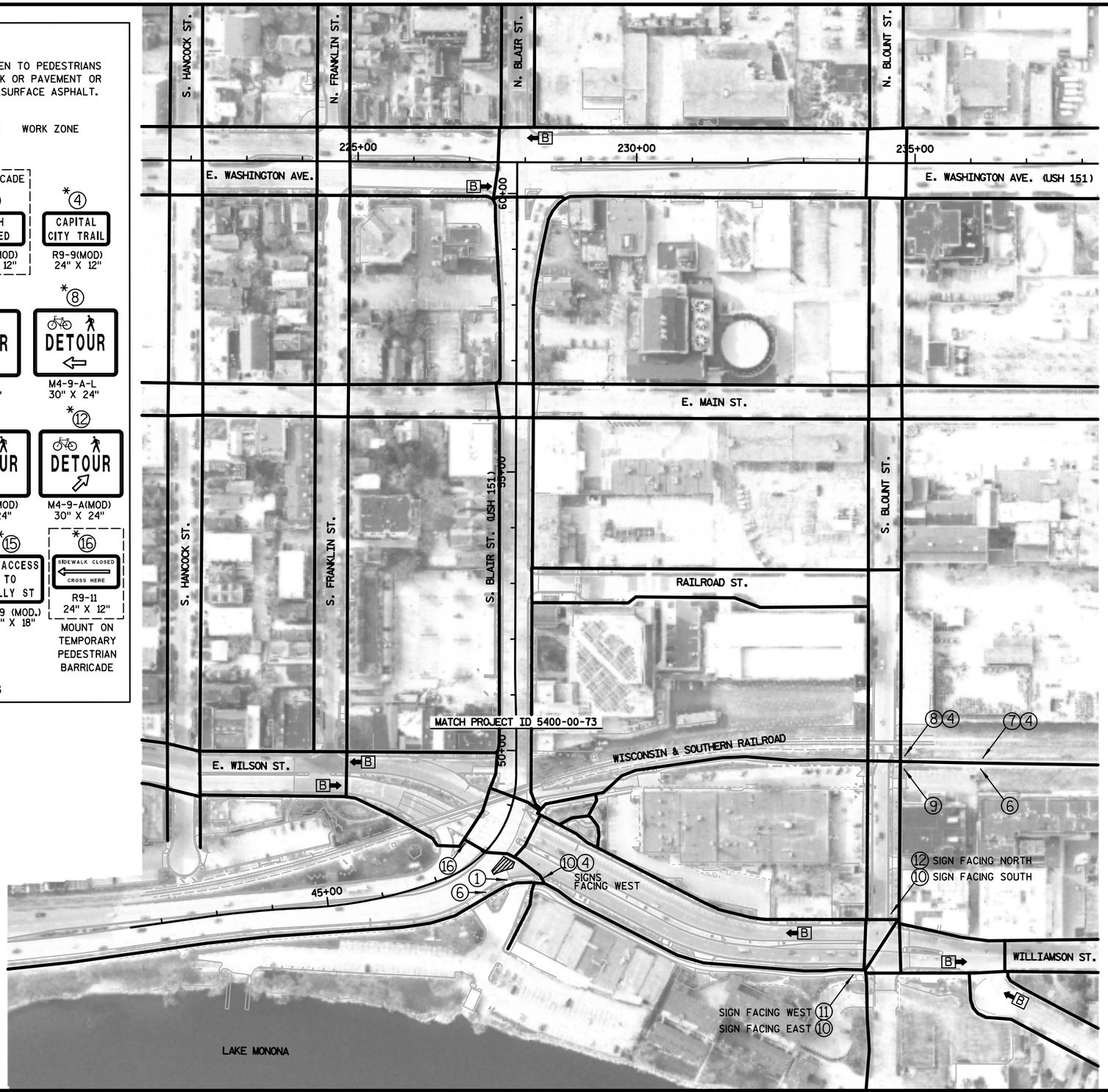
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025001_s1A_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

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*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

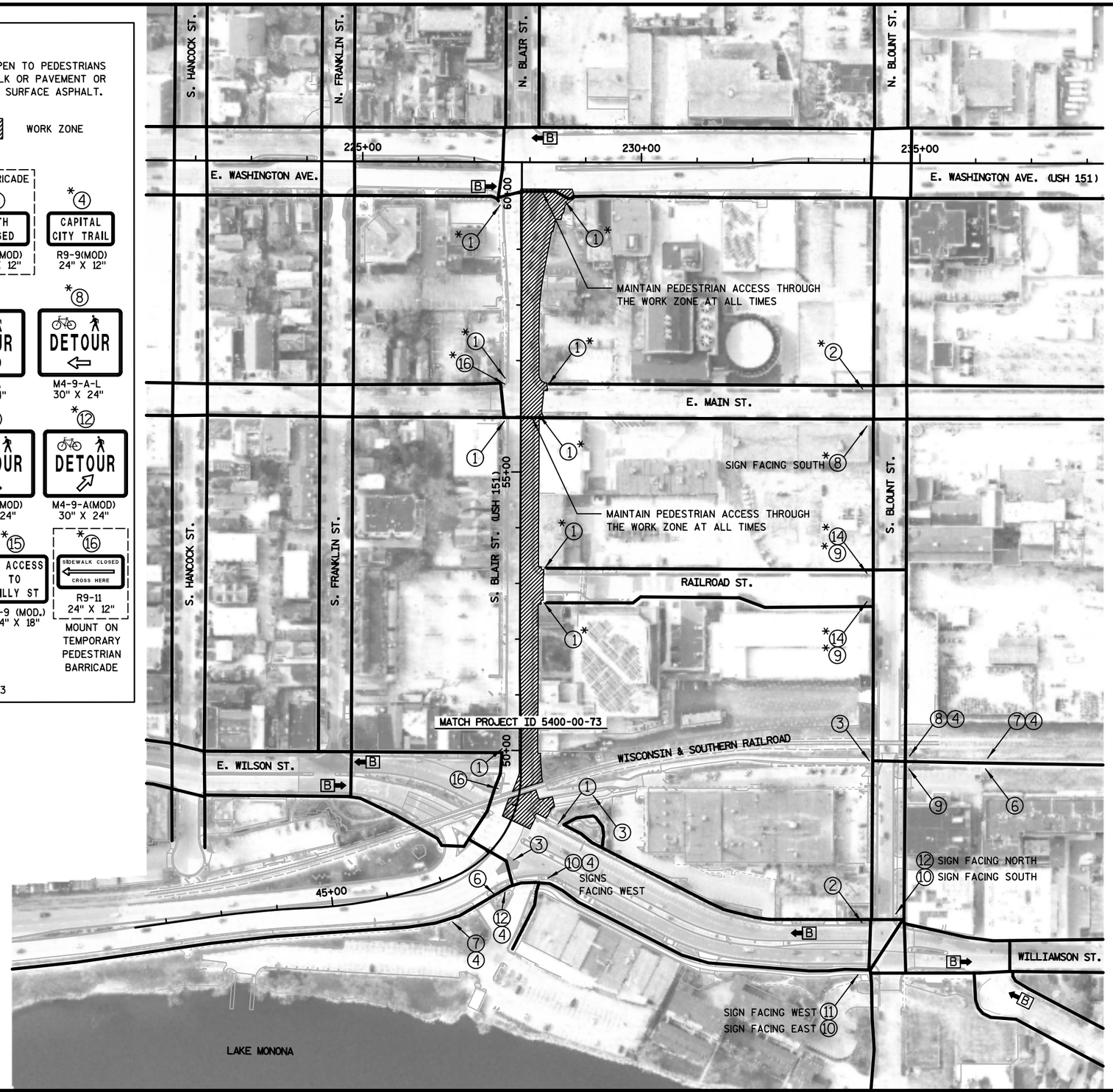
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1B, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025002_s1B_Phase 1_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

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*⑨ DETOUR ⇨ — M4-9-A-R, 30" X 24"

*⑩ DETOUR ⇧ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ⇖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ⇗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

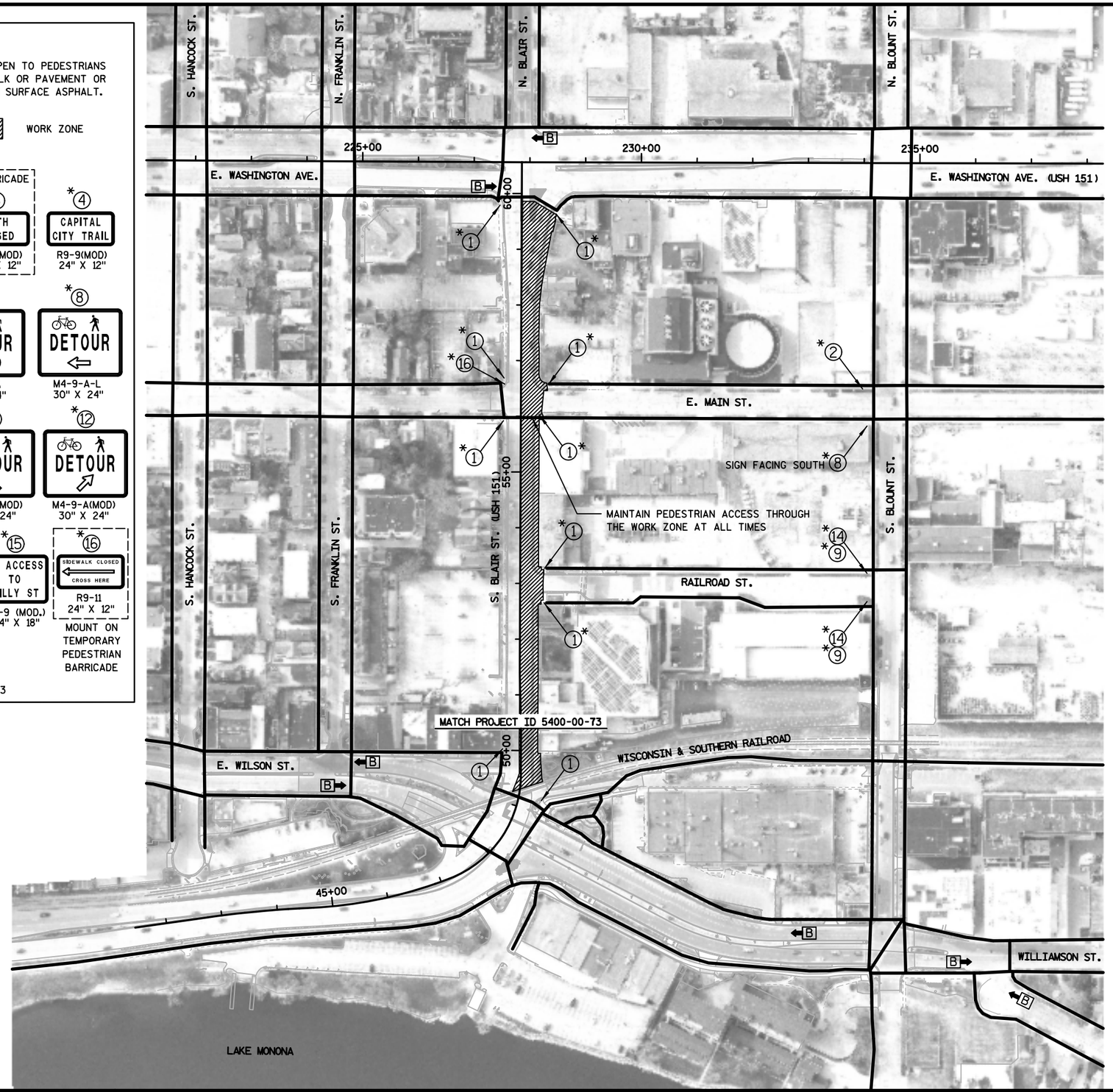
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ⇦ CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1B, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025003a_s1B_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

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*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

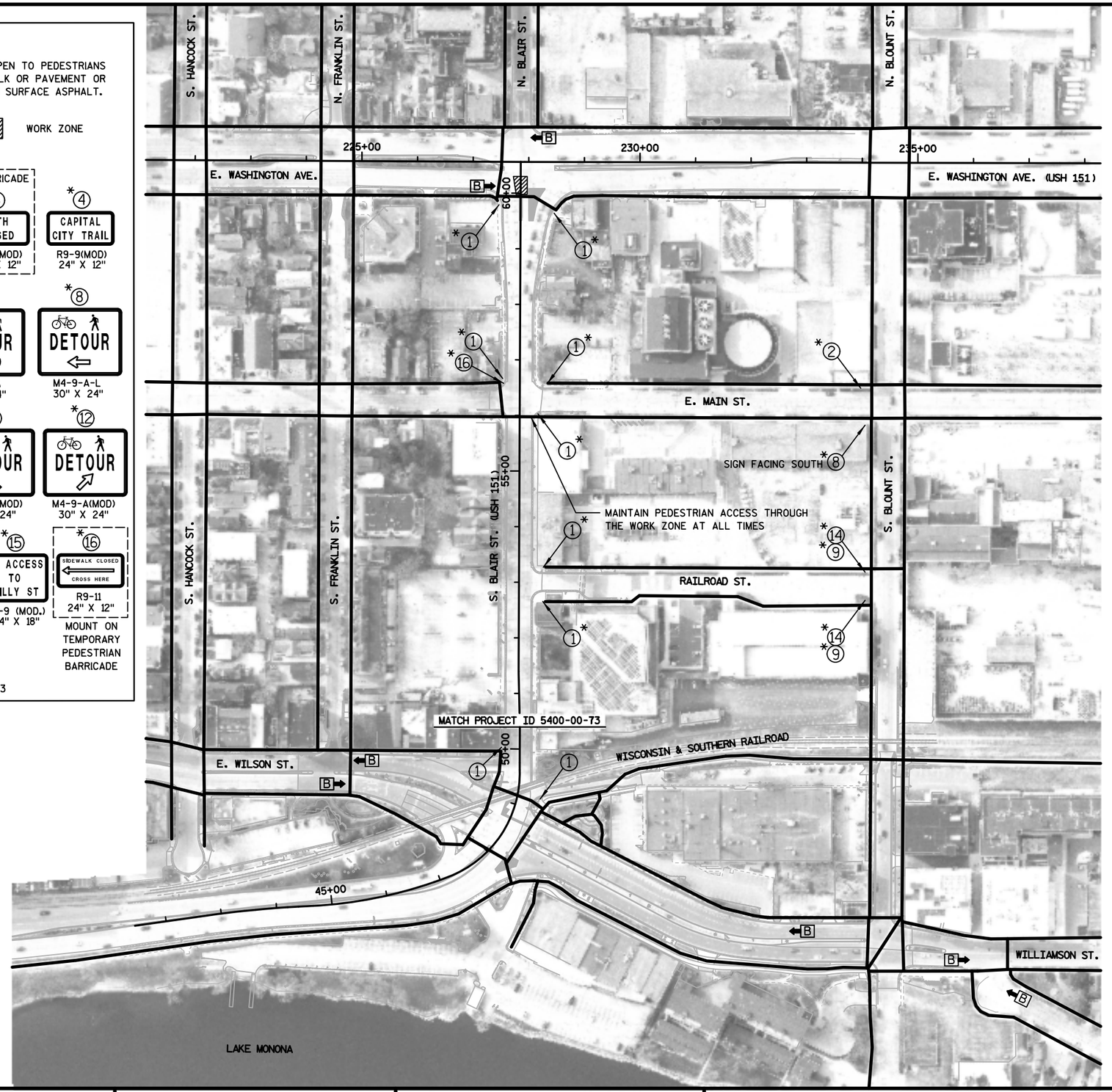
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1B, PHASE 3 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025003b_s1B_Phase 3_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

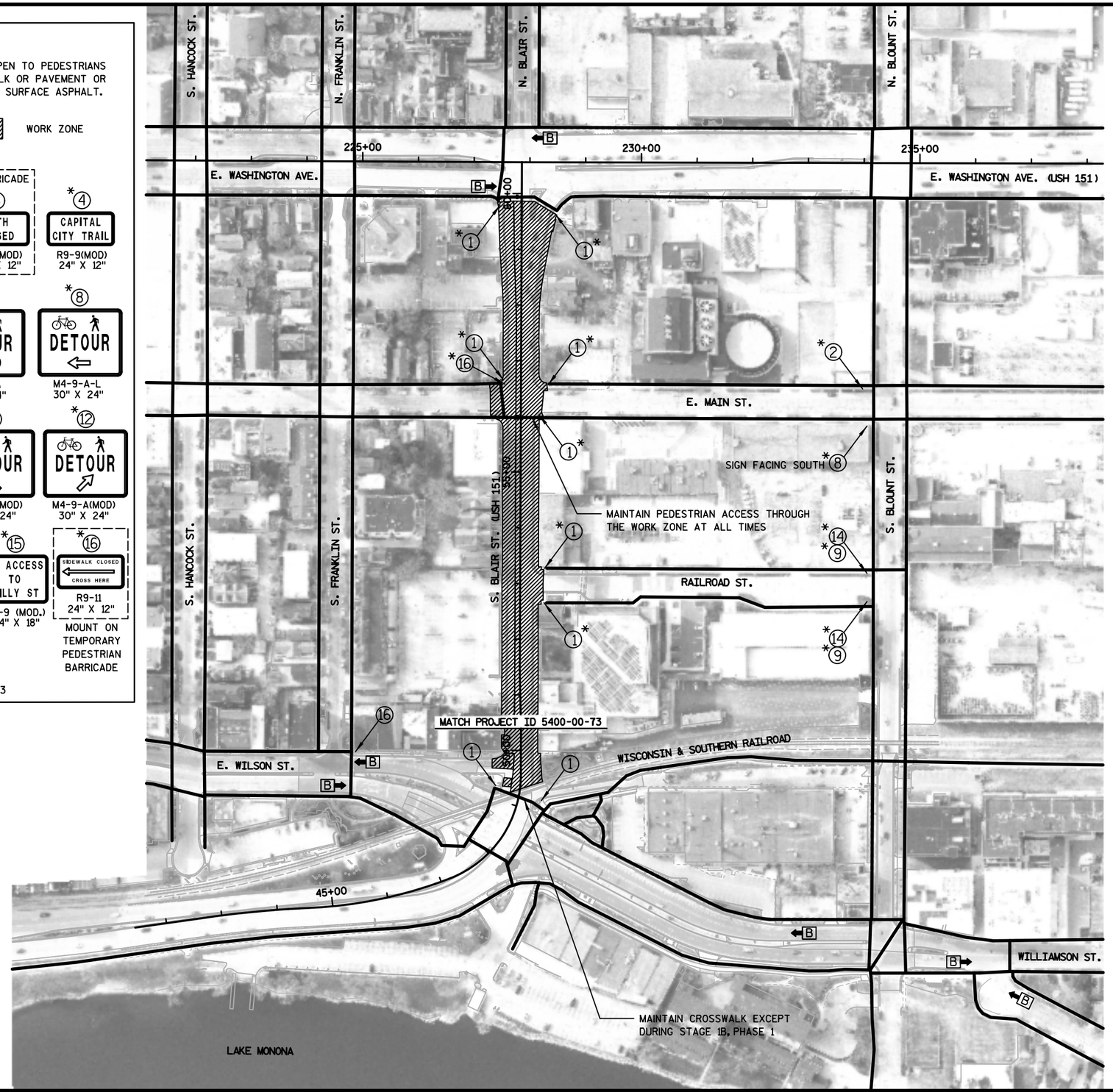
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1B (S. BLAIR ST. CLOSED) PEDESTRIAN ROUTING OVERVIEW	SHEET 81	E

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ⇦ — M4-9-A-L, 30" X 24"

*⑨ DETOUR ⇨ — M4-9-A-R, 30" X 24"

*⑩ DETOUR ⇧ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ⇖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ⇗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

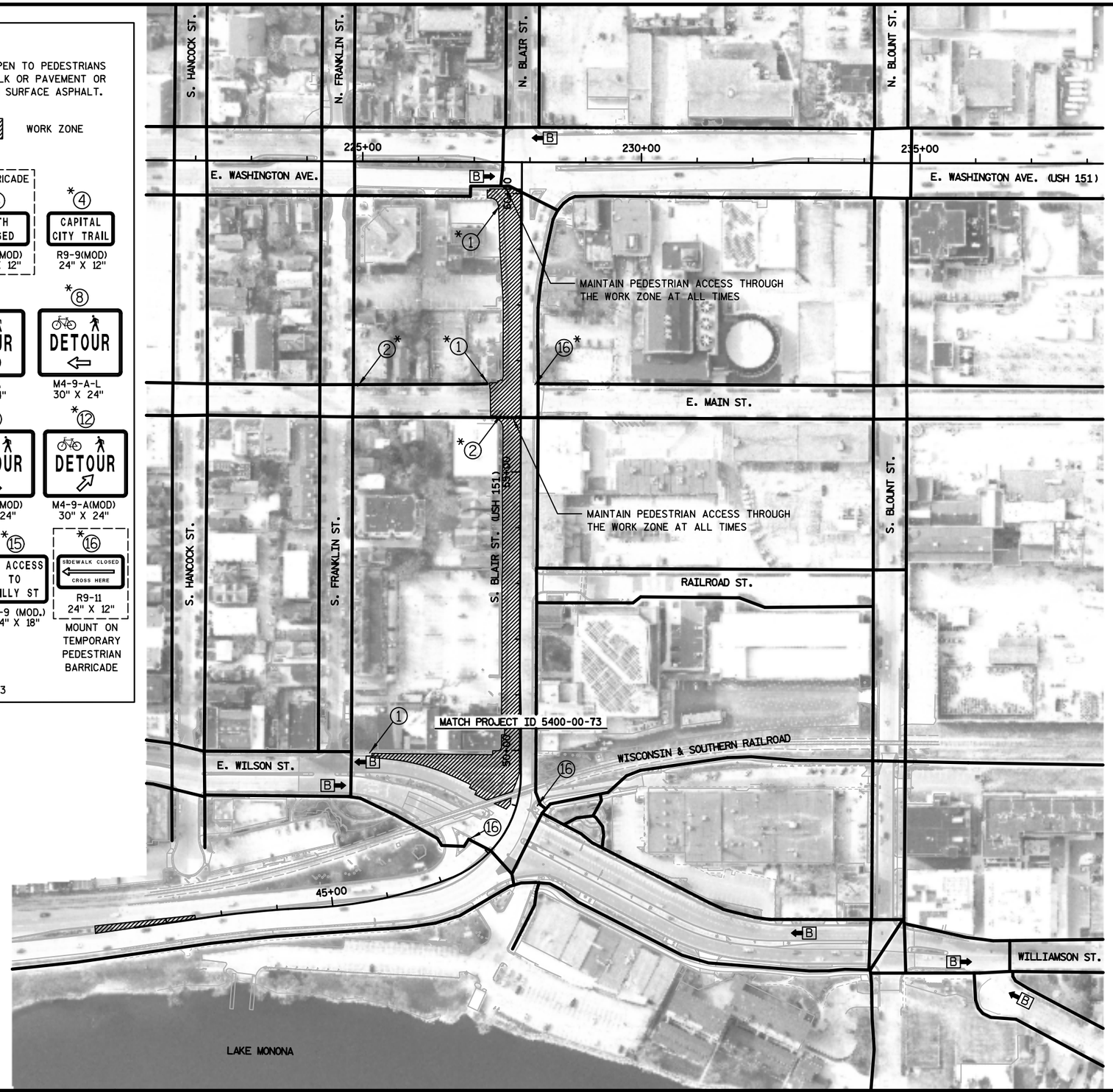
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ⇦ CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1C, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025004_s1C_Phase 1_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

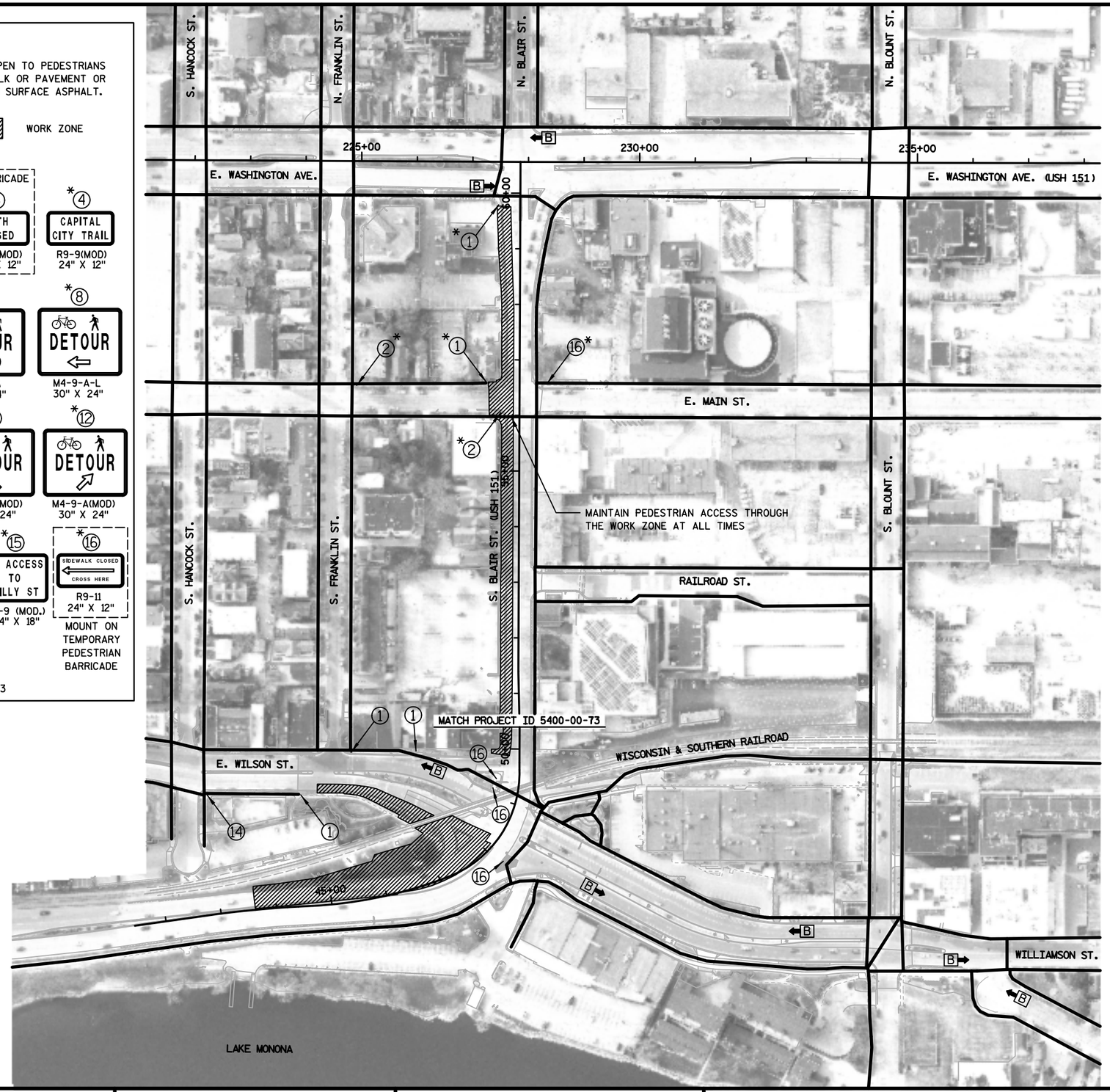
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1C, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025005_s1C_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

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*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

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*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

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*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

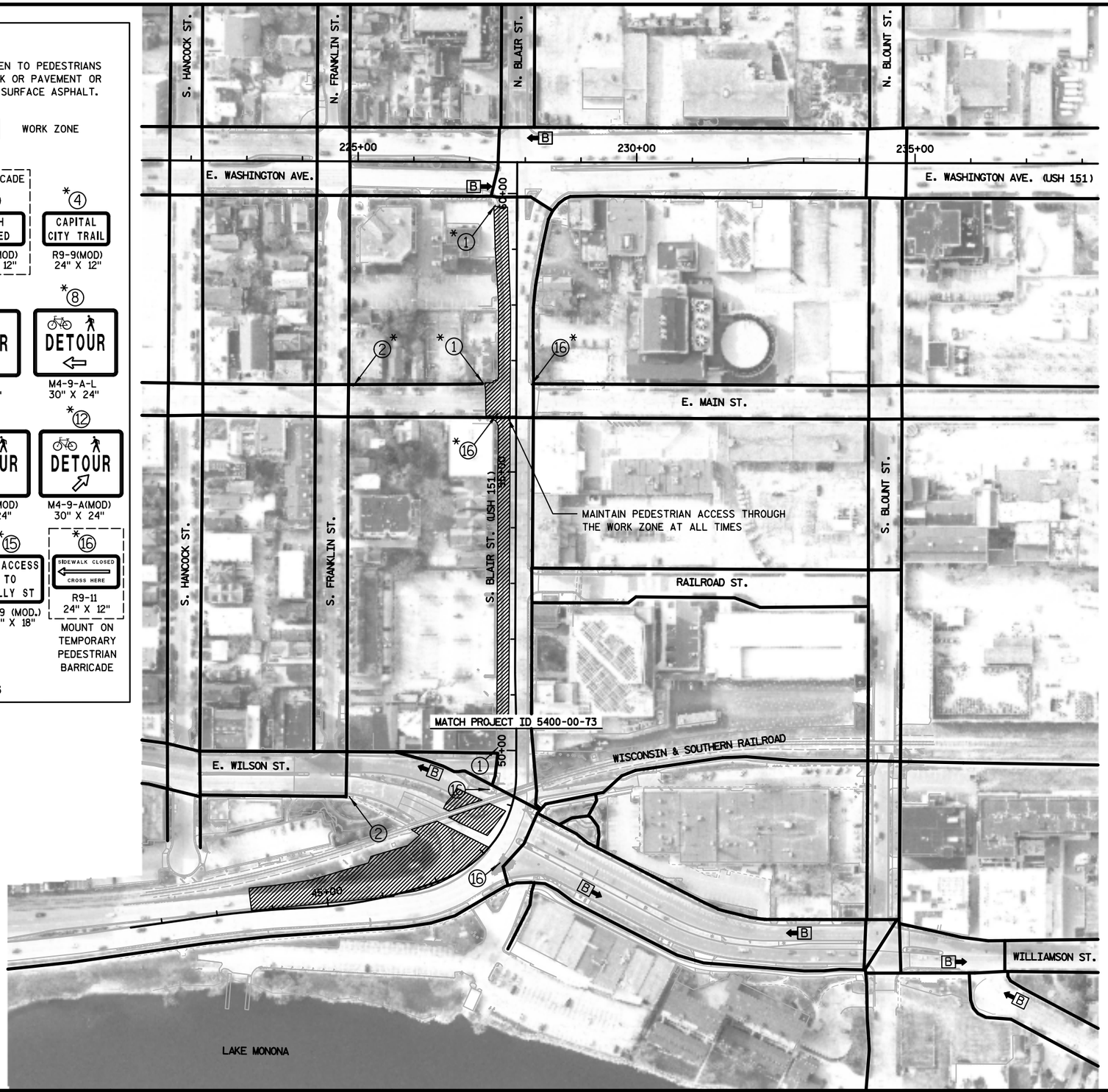
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1C, PHASE 3 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025006_s1C_Phase 3_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

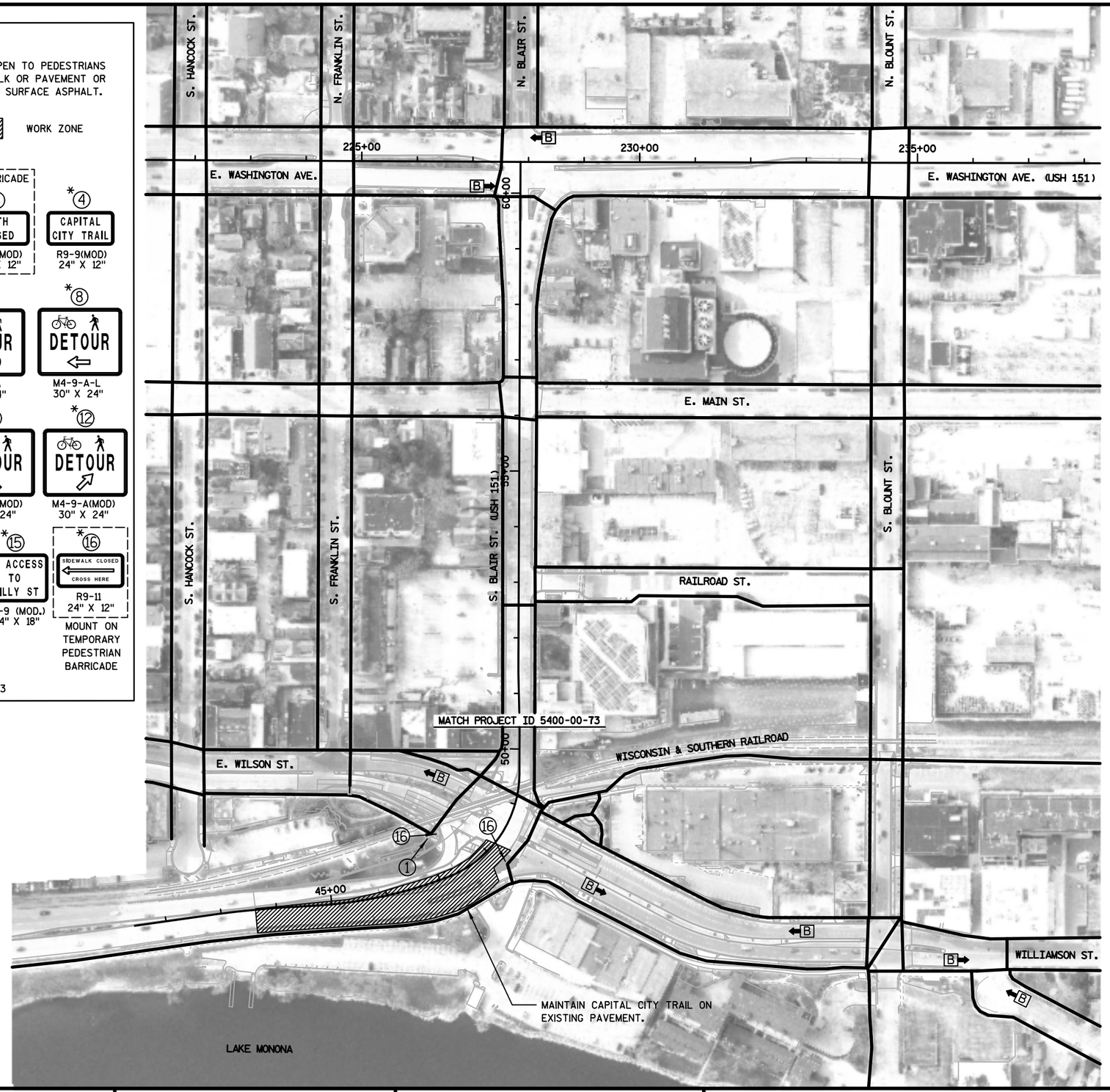
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1D, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025007_s1D_Phase 1_Pedestrian Routing_01_CAP on Exist.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR ← — M4-9-A-L, 30" X 24"

*9 DETOUR → — M4-9-A-R, 30" X 24"

*10 DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*11 DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*12 DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

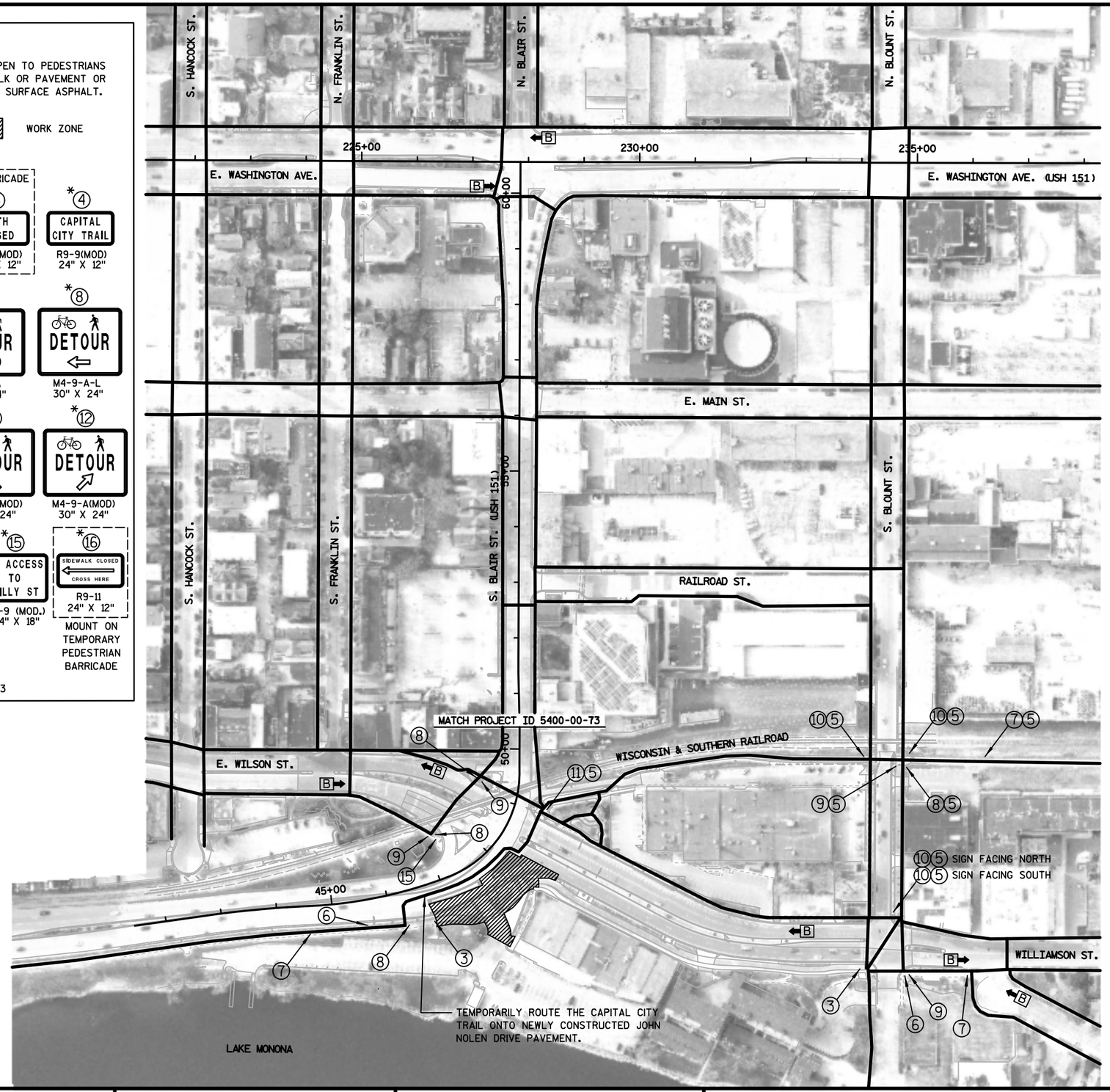
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1D, PHASE 1A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025007_s1D_Phase 1_Pedestrian Routing_02_CAP on NB JND.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

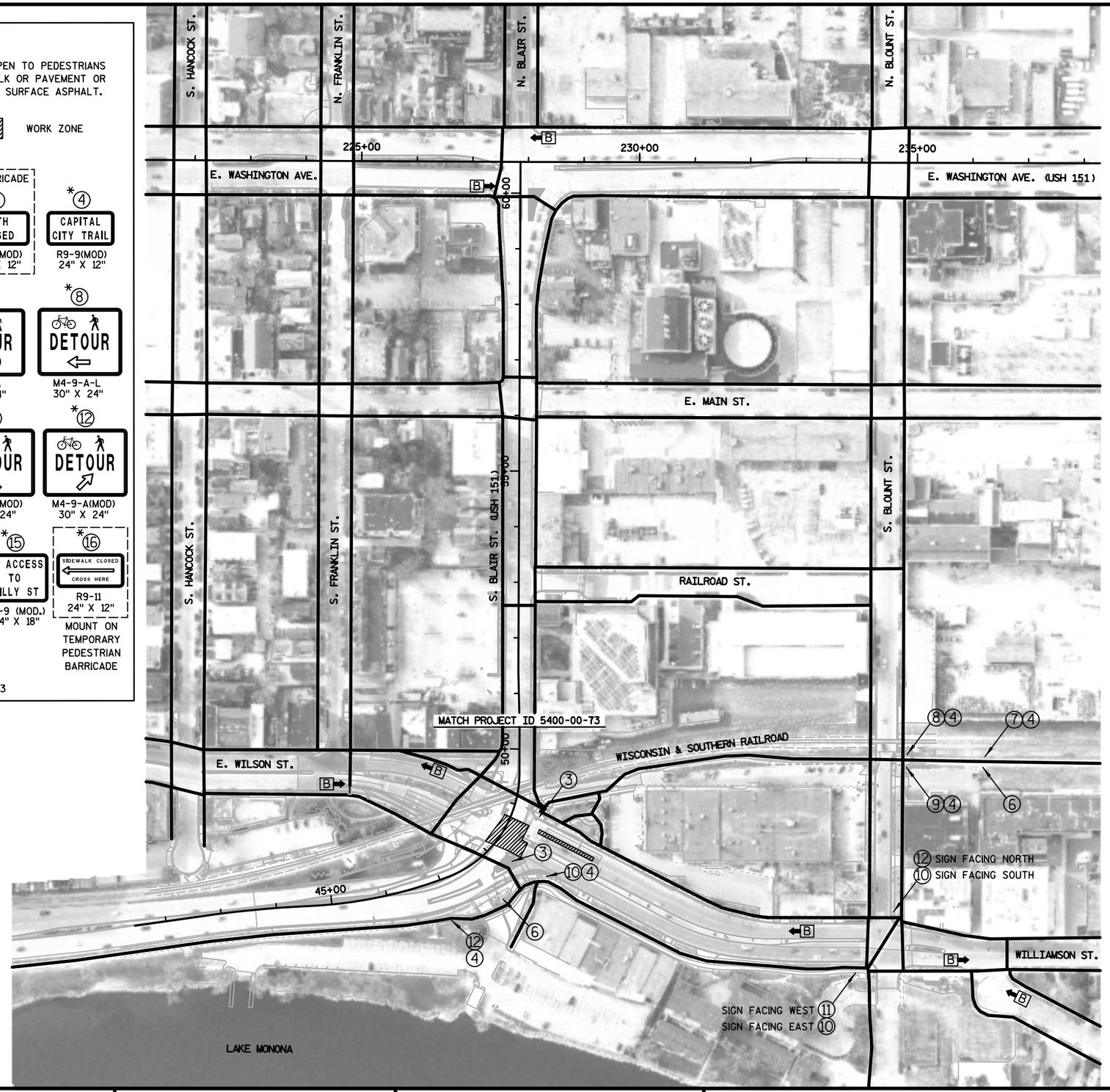
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1D, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025008_s1D_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

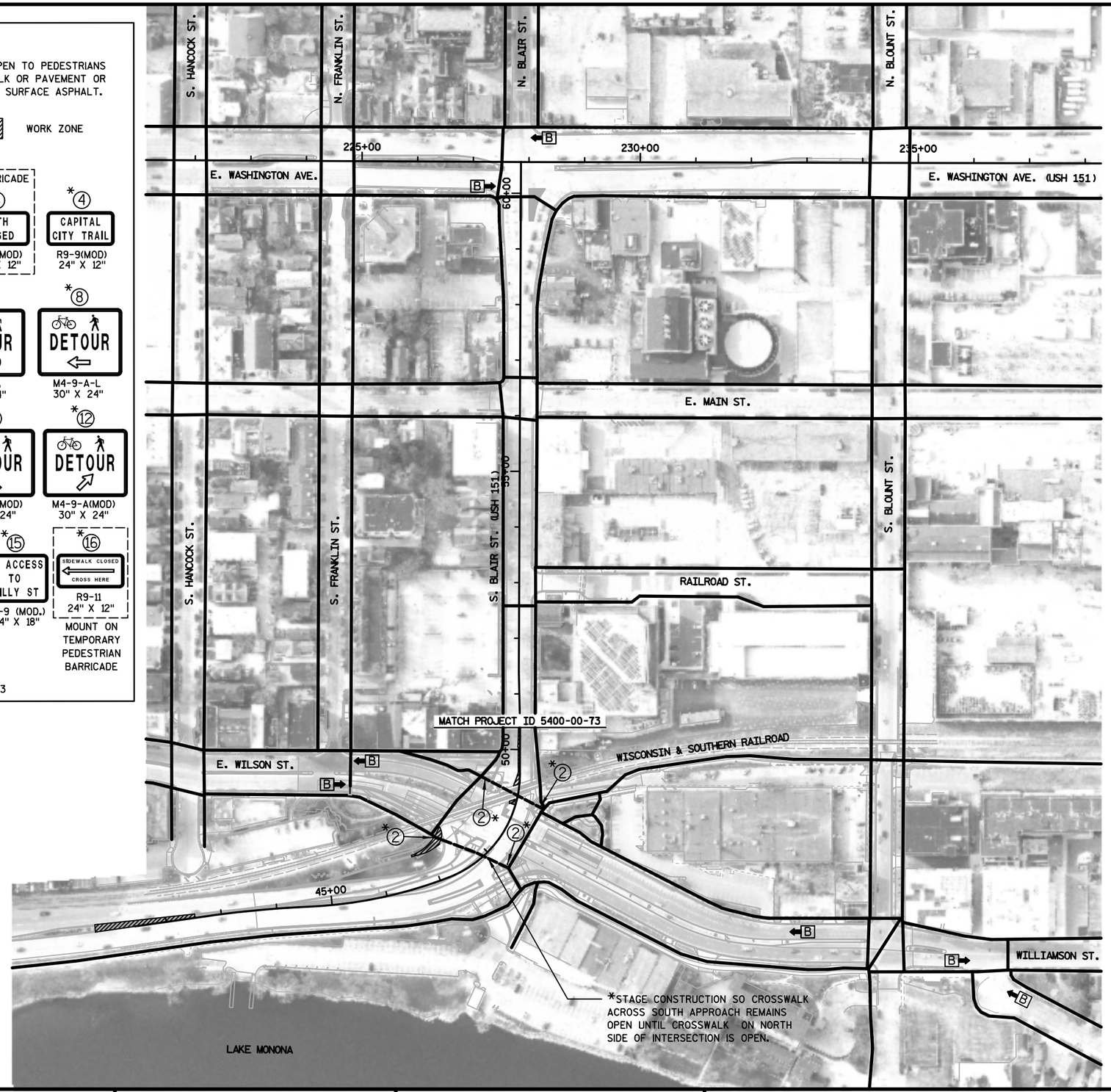
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED CROSS HERE ← — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

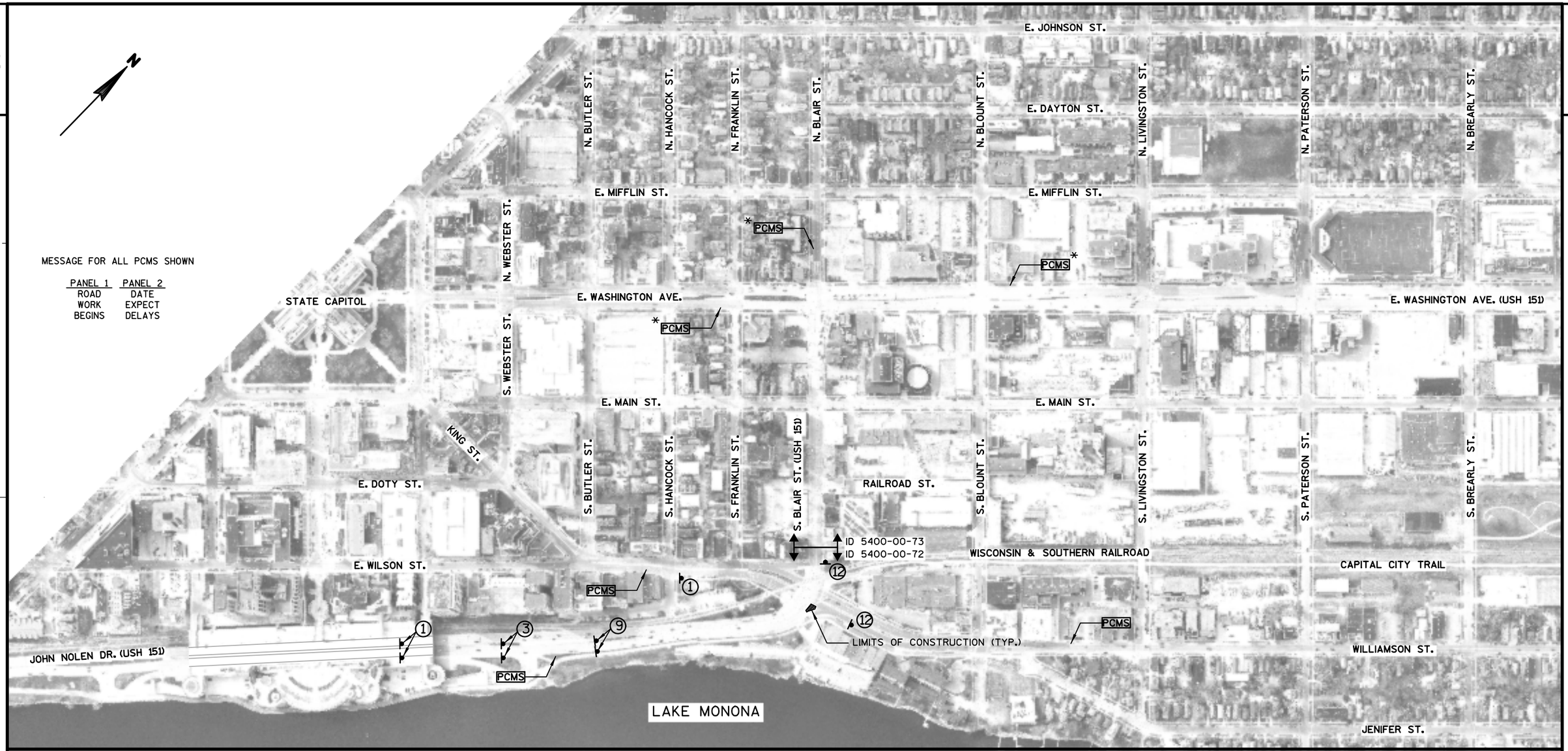
*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	STAGE 1E PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\025009_s1E_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



MESSAGE FOR ALL PCMS SHOWN

PANEL 1	PANEL 2
ROAD WORK BEGINS	DATE EXPECT DELAYS

SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

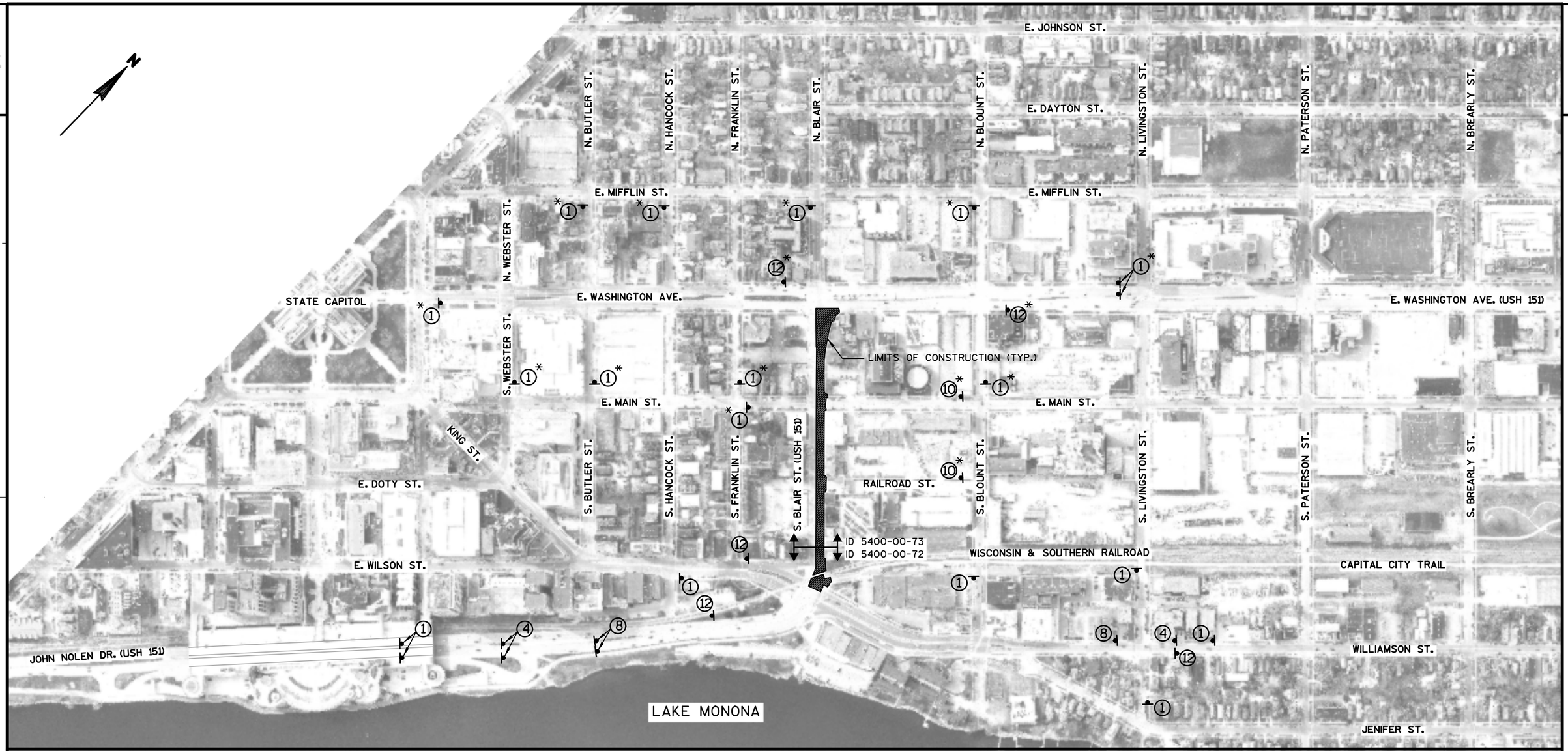
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1A	SHEET 89	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

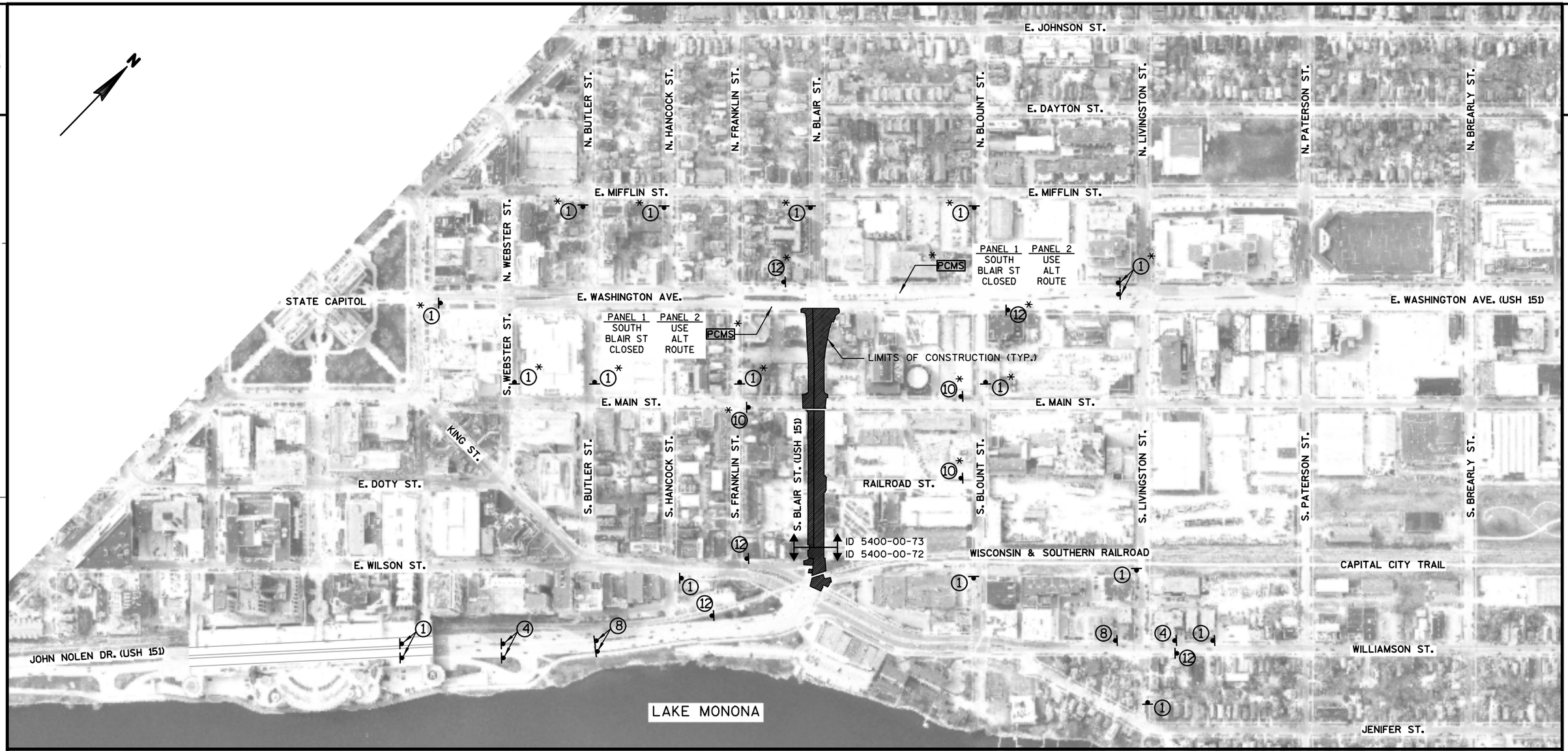
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 1	SHEET 90	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

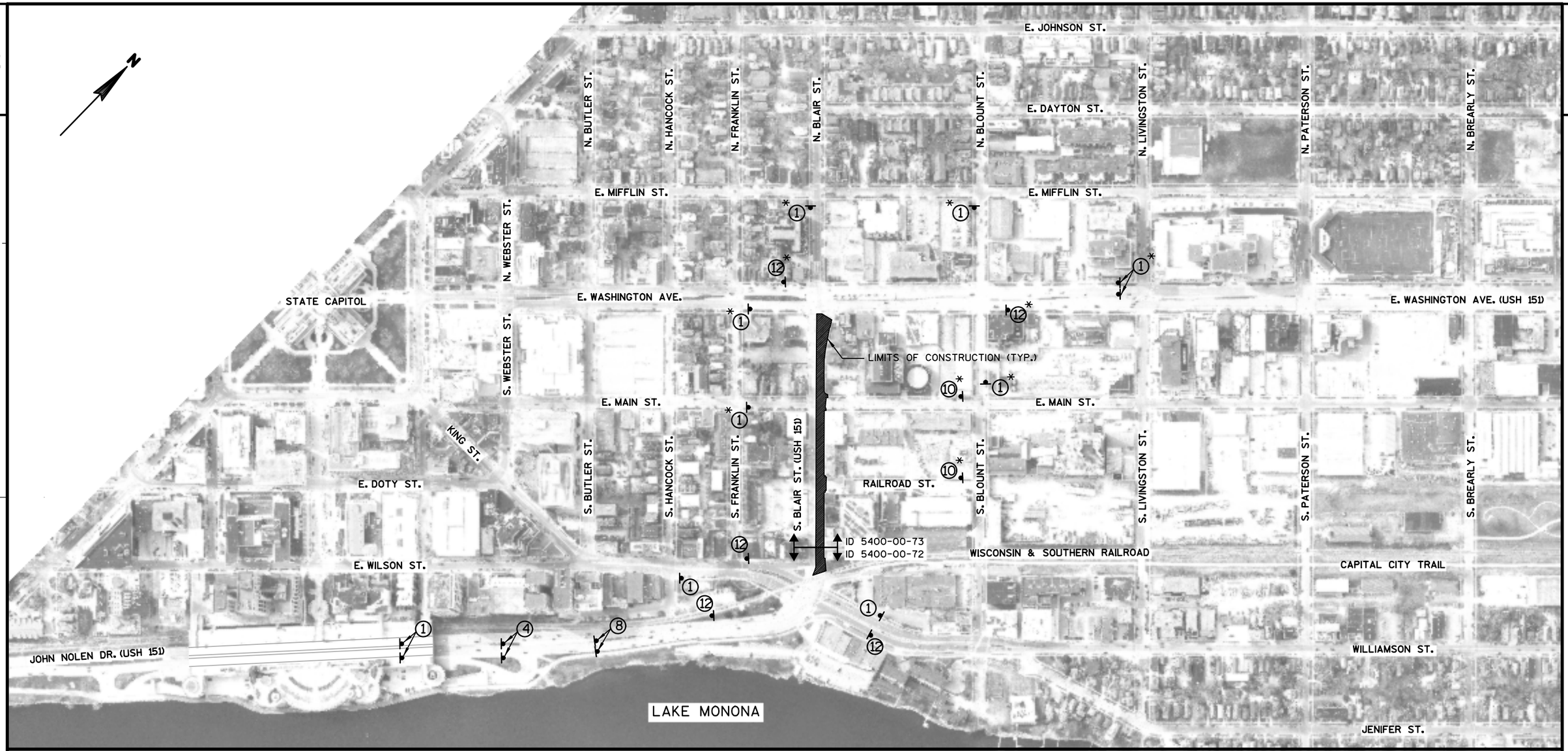
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 1 (S. BALIR ST. CLOSED)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026002_S1B Phase 1 - CLOSED_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



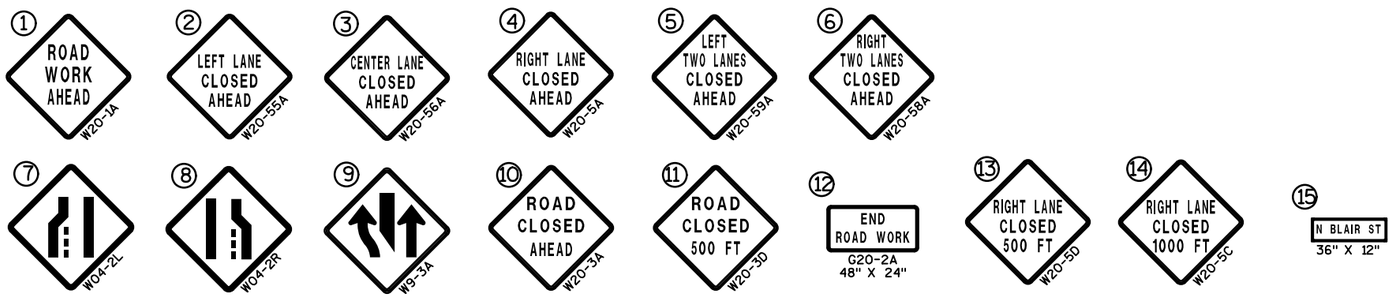
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

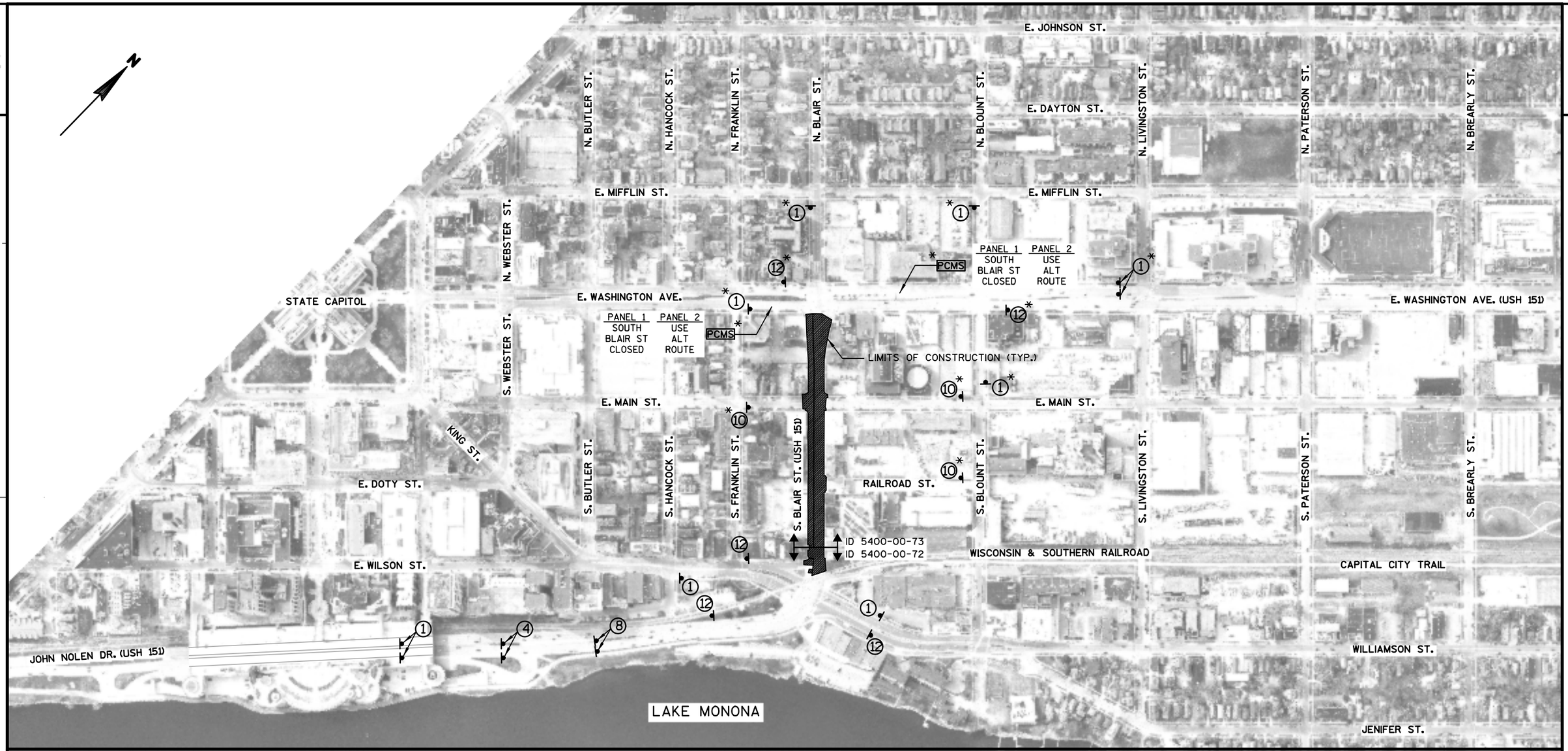
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026003_S1B Phase 2_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

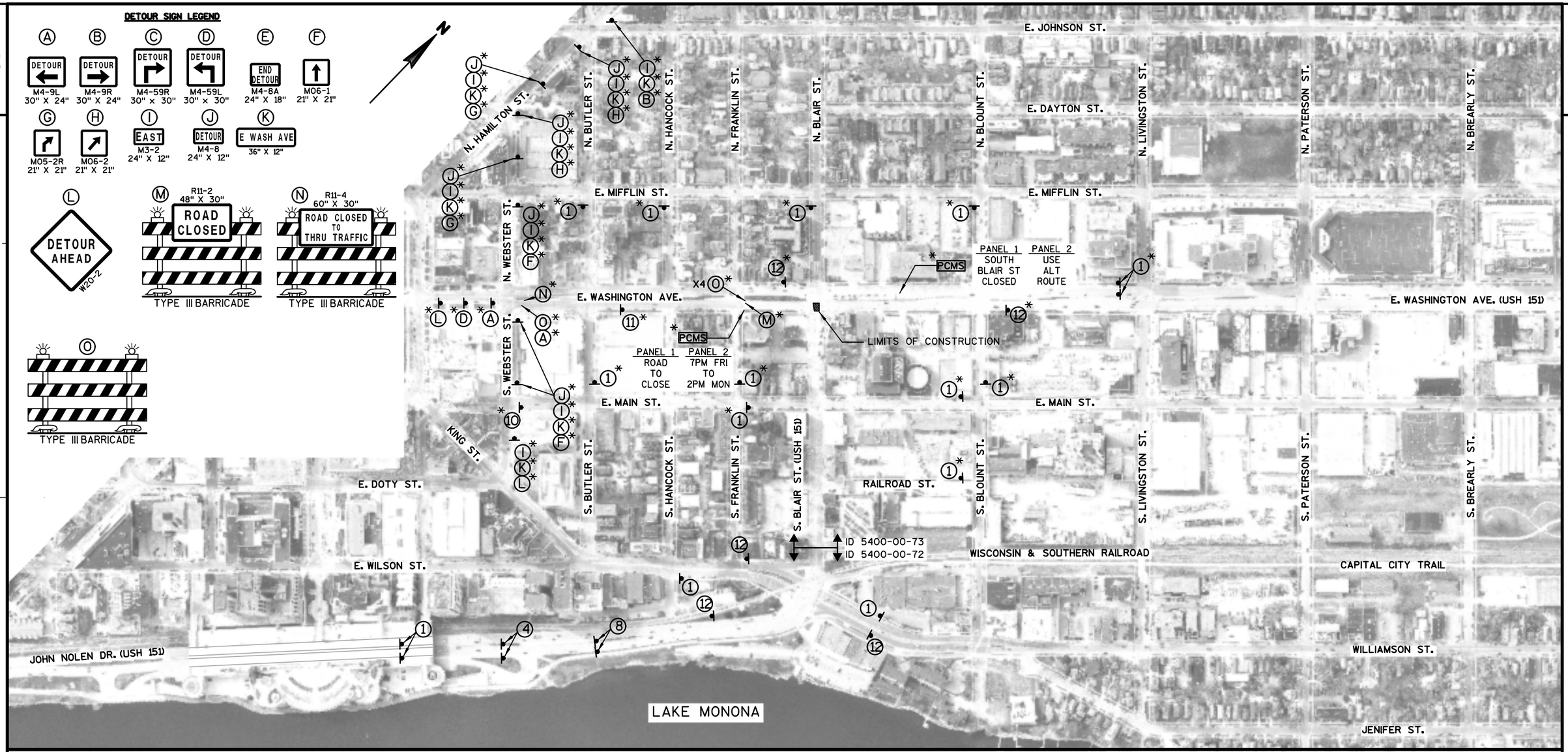
1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 2 (S. BLAIR ST. CLOSED)	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026004_S1B Phase 2 - CLOSED_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

DETOUR SIGN LEGEND

Ⓐ M4-9L 30" X 24" — DETOUR
Ⓑ M4-9R 30" X 24" — DETOUR
Ⓒ M4-59R 30" X 30" — DETOUR
Ⓓ M4-59L 30" X 30" — DETOUR
Ⓔ M4-8A 24" X 18" — END DETOUR
Ⓕ M06-1 21" X 21"
Ⓖ M05-2R 21" X 21"
Ⓗ M06-2 21" X 21"
Ⓘ M3-2 24" X 12" — EAST
Ⓙ M4-8 24" X 12" — DETOUR
Ⓚ 36" X 12" — E WASH AVE
Ⓛ DETOUR AHEAD W20-2
Ⓜ R11-2 48" X 30" — ROAD CLOSED — TYPE III BARRICADE
Ⓝ R11-4 60" X 30" — ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE
Ⓞ TYPE III BARRICADE



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS (PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

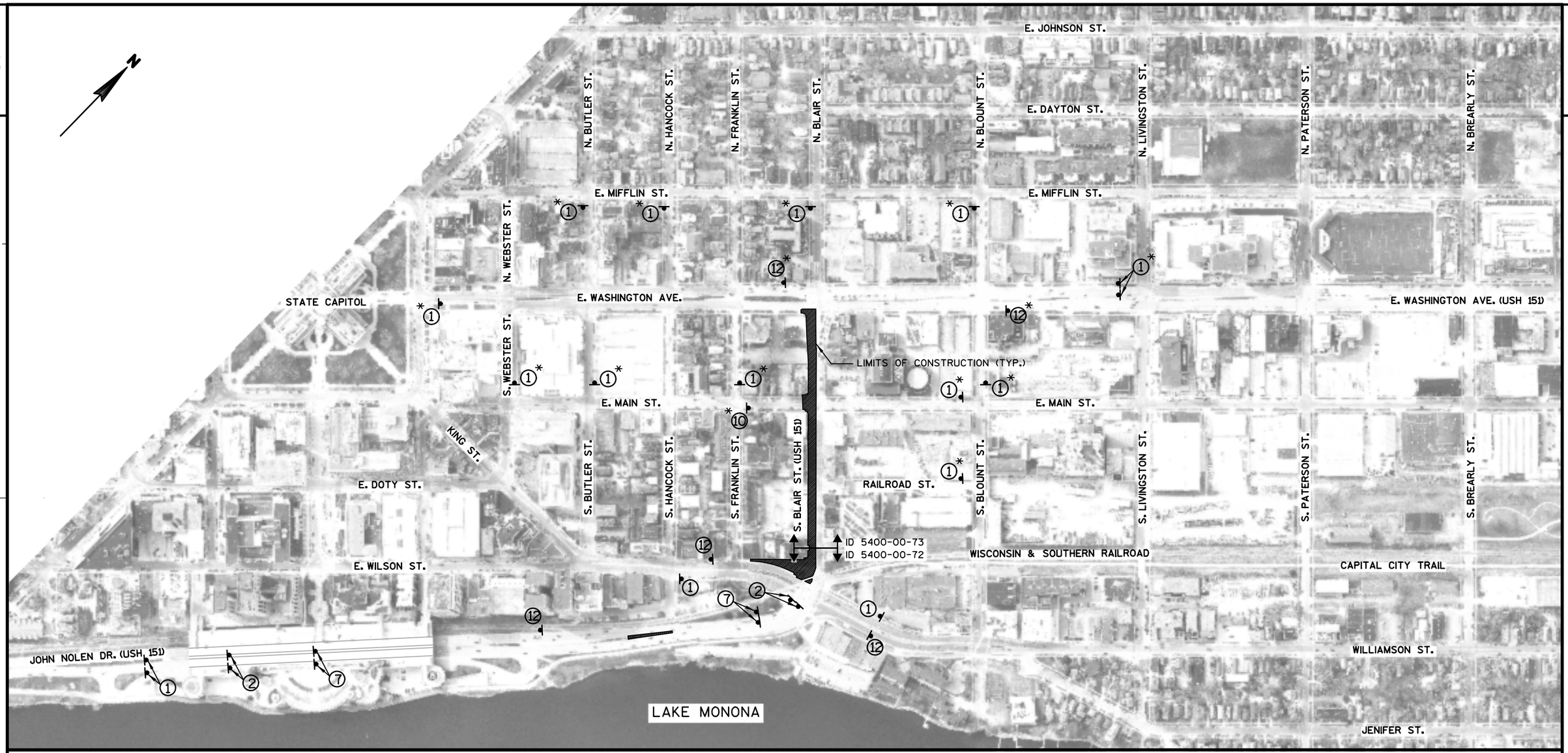
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

① ROAD WORK AHEAD W20-1A
② LEFT LANE CLOSED AHEAD W20-55A
③ CENTER LANE CLOSED AHEAD W20-56A
④ RIGHT LANE CLOSED AHEAD W20-5A
⑤ LEFT TWO LANES CLOSED AHEAD W20-59A
⑥ RIGHT TWO LANES CLOSED AHEAD W20-58A
⑦ W04-2L
⑧ W04-2R
⑨ W9-3A
⑩ ROAD CLOSED AHEAD W20-3A
⑪ ROAD CLOSED 500 FT W20-3D
⑫ END ROAD WORK G20-2A 48" X 24"
⑬ RIGHT LANE CLOSED 500 FT W20-5D
⑭ RIGHT LANE CLOSED 1000 FT W20-5C
⑮ N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 3 (SANITARY AT E. WASH.)	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026005_S1B Phase 3 - SAN CONNECTION_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

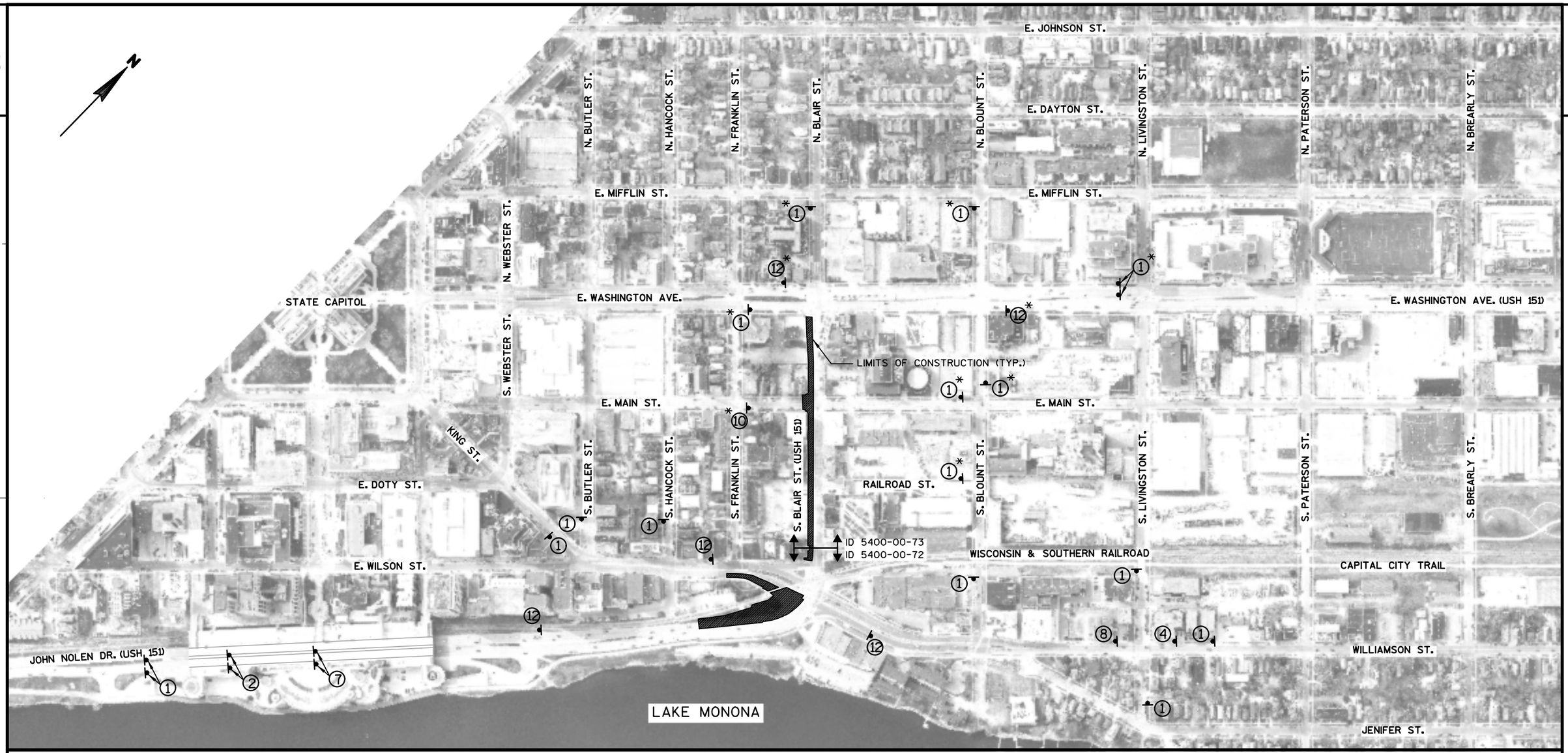
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1C, PHASE 1	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026006_S1C Phase 1_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

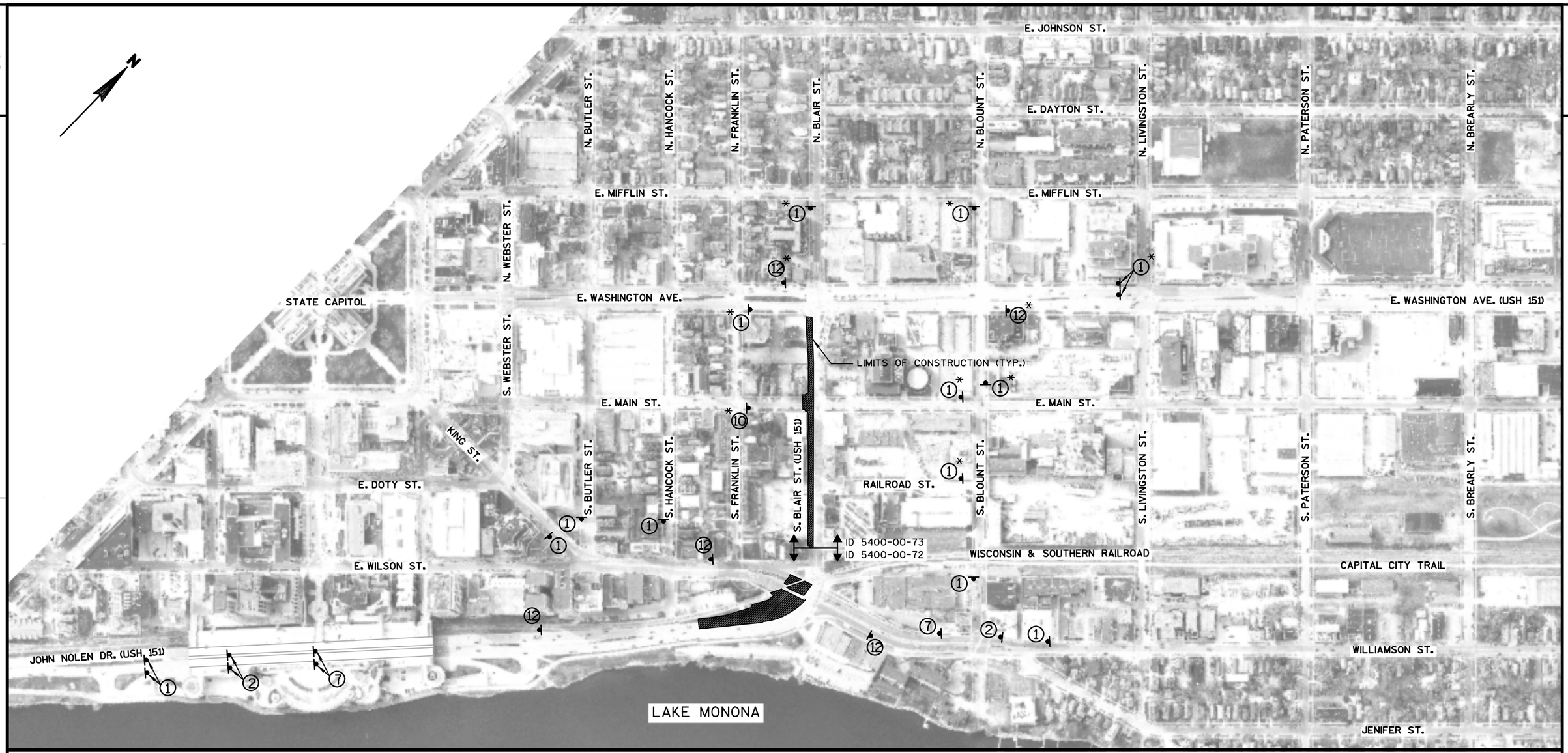
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026007_S1C Phase 2_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1C, PHASE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026008_S1C Phase 3_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

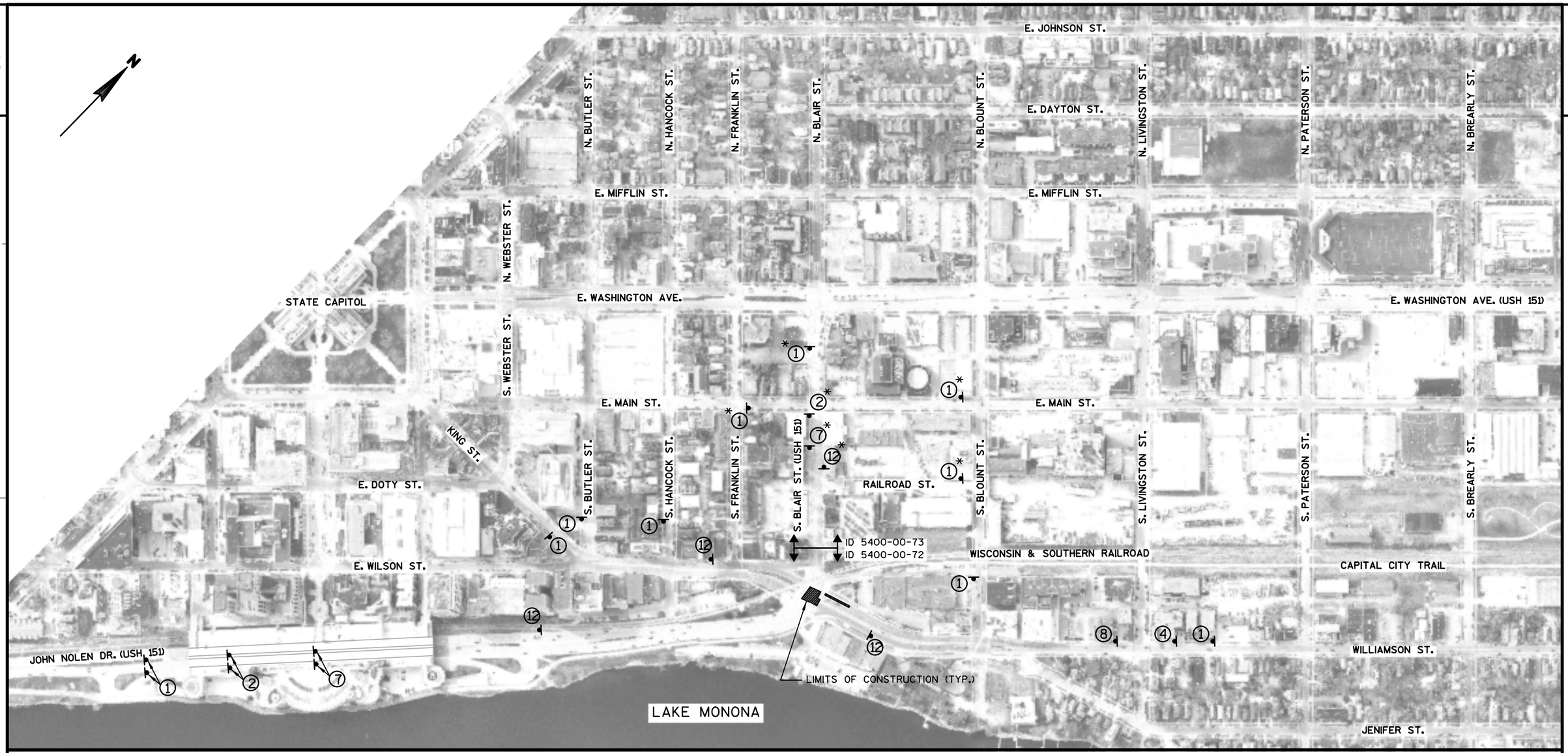
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1D, PHASE 1	SHEET 98	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

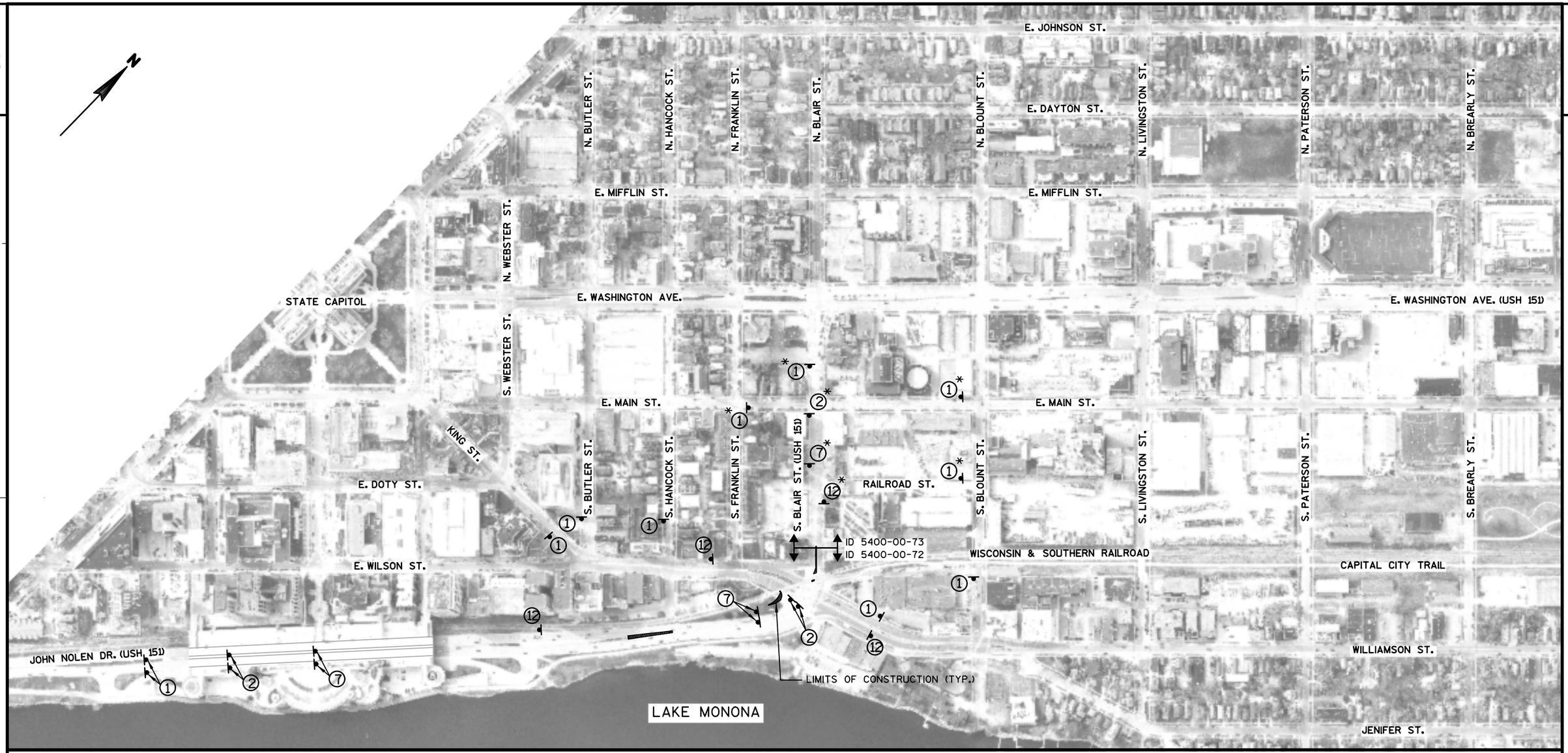
* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1D, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026010_S1D Phase 2_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

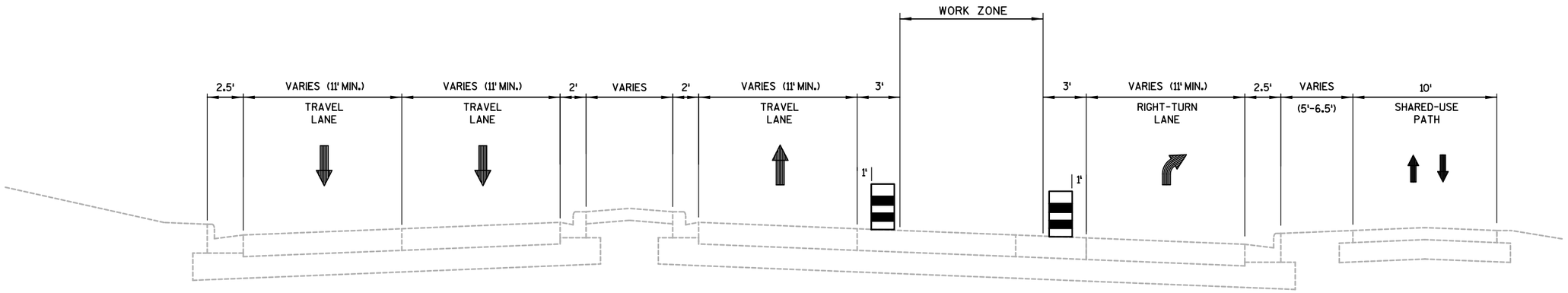
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1E	SHEET	E

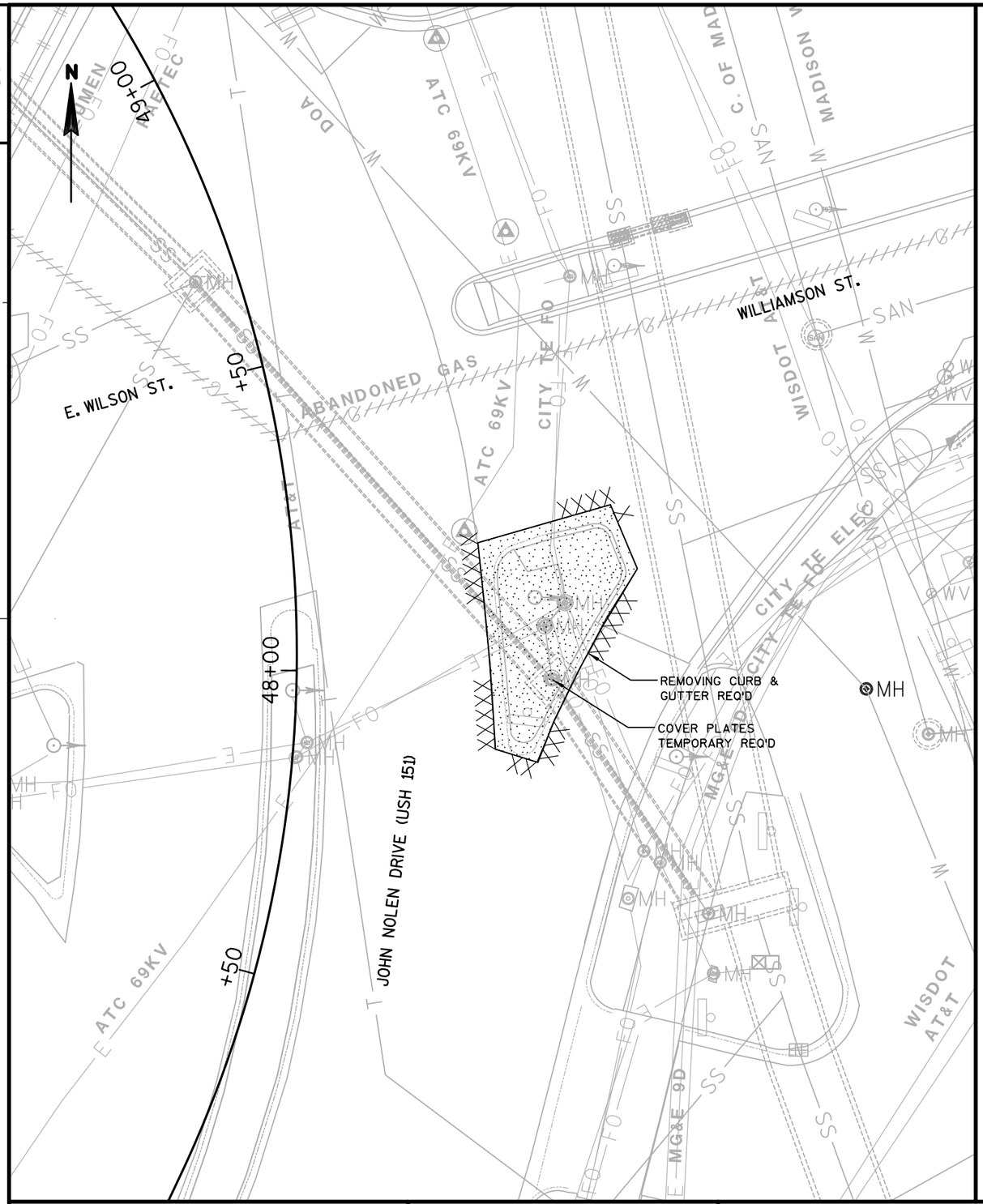
FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026011_S1E_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



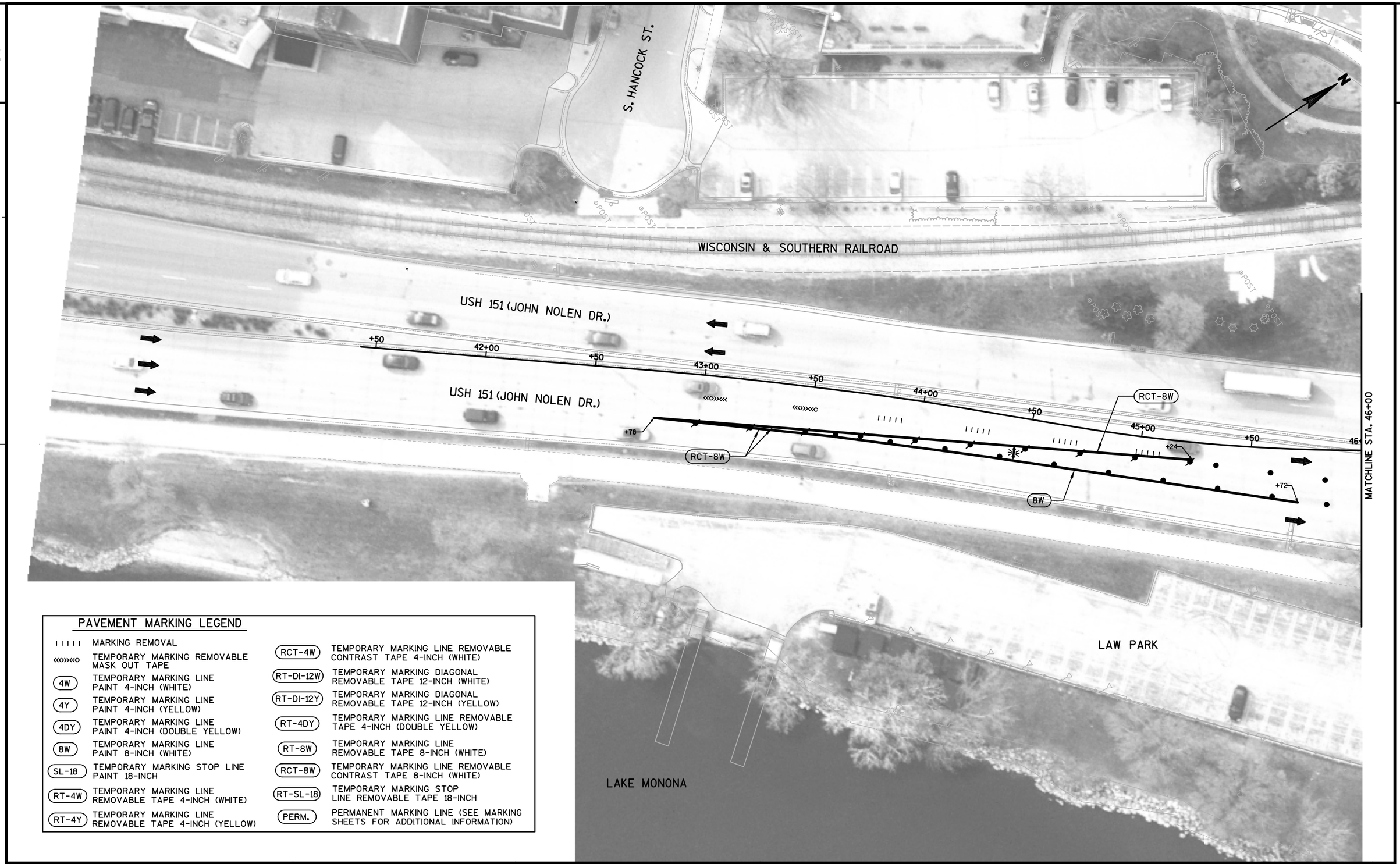
CONSTRUCTION STAGE 1A TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1A	SHEET 101	E

2



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1A	SHEET 102	E



PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET 103 E

2

MATCHLINE E. WILSON 1

E. WILSON ST.

RT-4W

LANE CLOSED
R11-2L
48" X 30"

BIKE

BIKE

USH 151 (S. BLAIR ST.)

51+00

50+00

+50

+50

+50

MATCHLINE STA. 46+00

+00

+50

USH 151 (JOHN NOLEN DR.)

47+00

49+00

+50

+50

48+00

R3-2
24" X 24"

8W

LANE CLOSED
R11-2L
48" X 30"

BIKE

BIKE

8W

LANE CLOSED
R11-2L
48" X 30"

LAW PARK

10' SPACING (TYP.)

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

N

PAVEMENT MARKING LEGEND

	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET 104	E

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

W01-6
48" X 24"

X=823112.2
Y=483157.1

X=823142.2
Y=483179.3

RT-4W

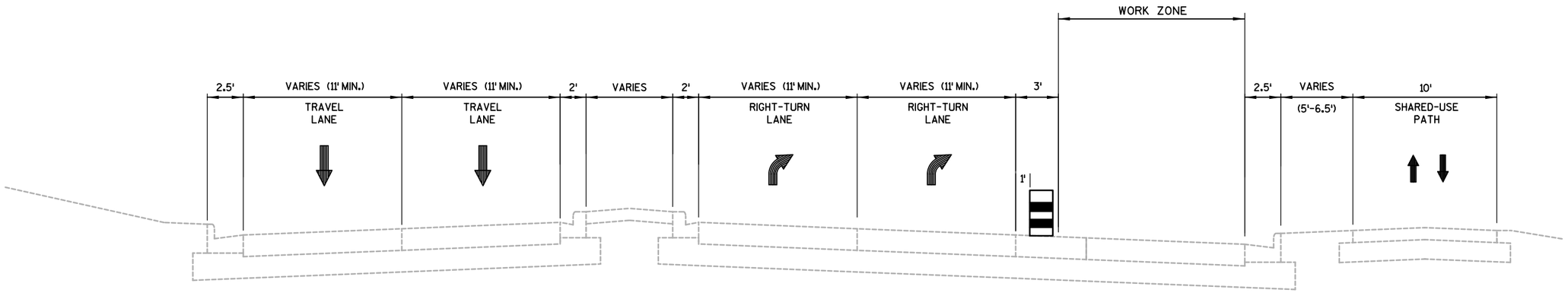
MATCHLINE E. WILSON 1

RIGHT LANE
MUST
TURN RIGHT
R3-7R
30" X 30"

WISCONSIN & SOUTHERN RAILROAD

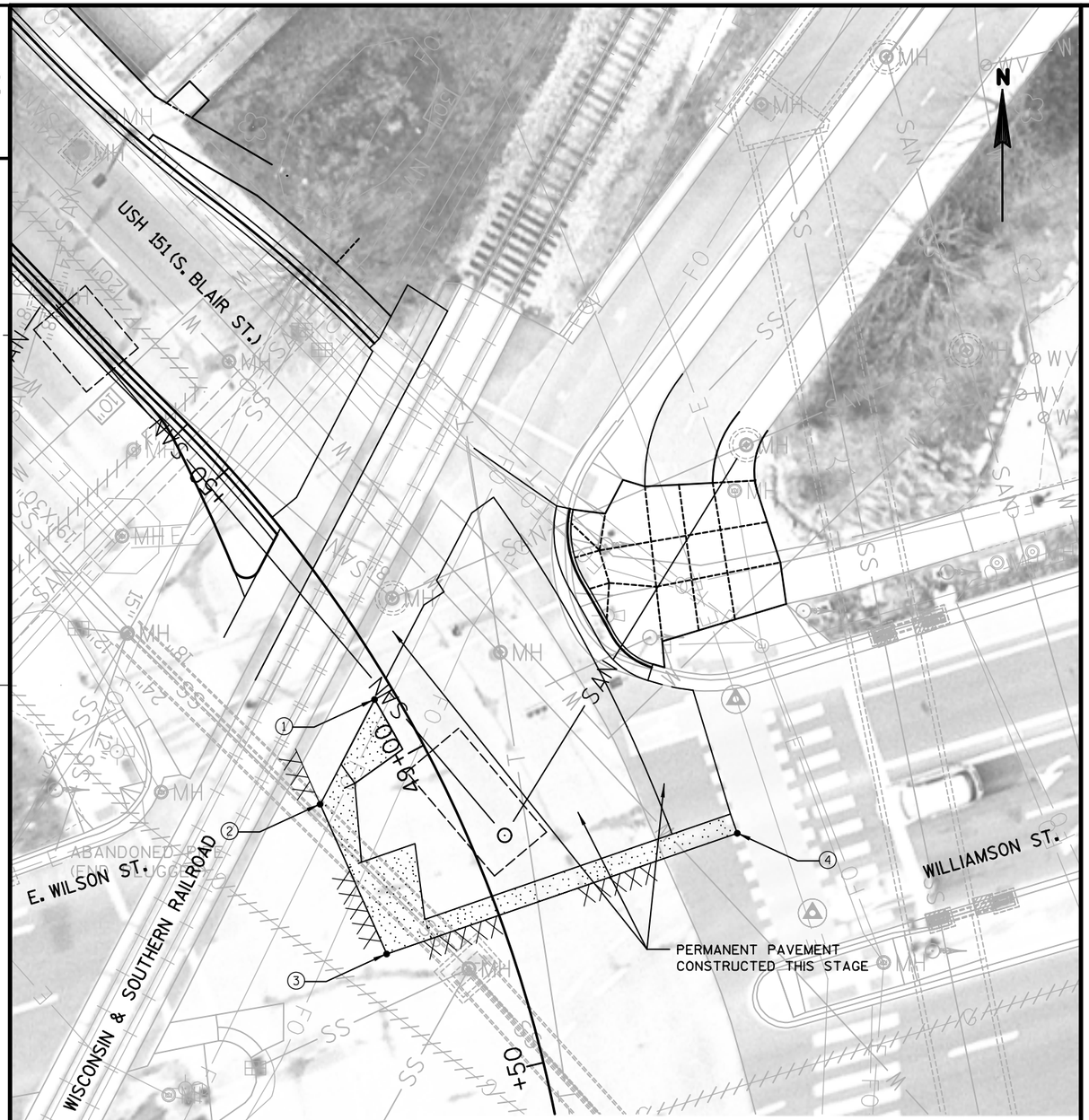
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026108_s1A.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 1B TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B	SHEET 106	E



POINT NO.	USH 151 STATION	USH 151 OFFSET	ELEV.	Y	X
1	49+09.46	3.00 'LT	*	483,400.06	823,412.49
2	48+99.37	17.50 'LT	*	483,384.64	823,404.48
3	48+72.95	17.46 'LT	*	483,362.63	823,414.27
4	48+72.09	37.04 'RT	*	483,380.41	823,465.80

*MATCH EXISTING

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1B	SHEET 107 E

2

S. HANCOCK ST.

WISCONSIN & SOUTHERN RAILROAD

USH 151 (JOHN NOLEN DR.)

USH 151 (JOHN NOLEN DR.)

+50 42+00 +50 43+00 +50 44+00 +50 45+00 +50 46+

RCT-4W

+89

+34

MATCHLINE STA. 46+00

LAW PARK

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

LAKE MONONA

PAVEMENT MARKING LEGEND

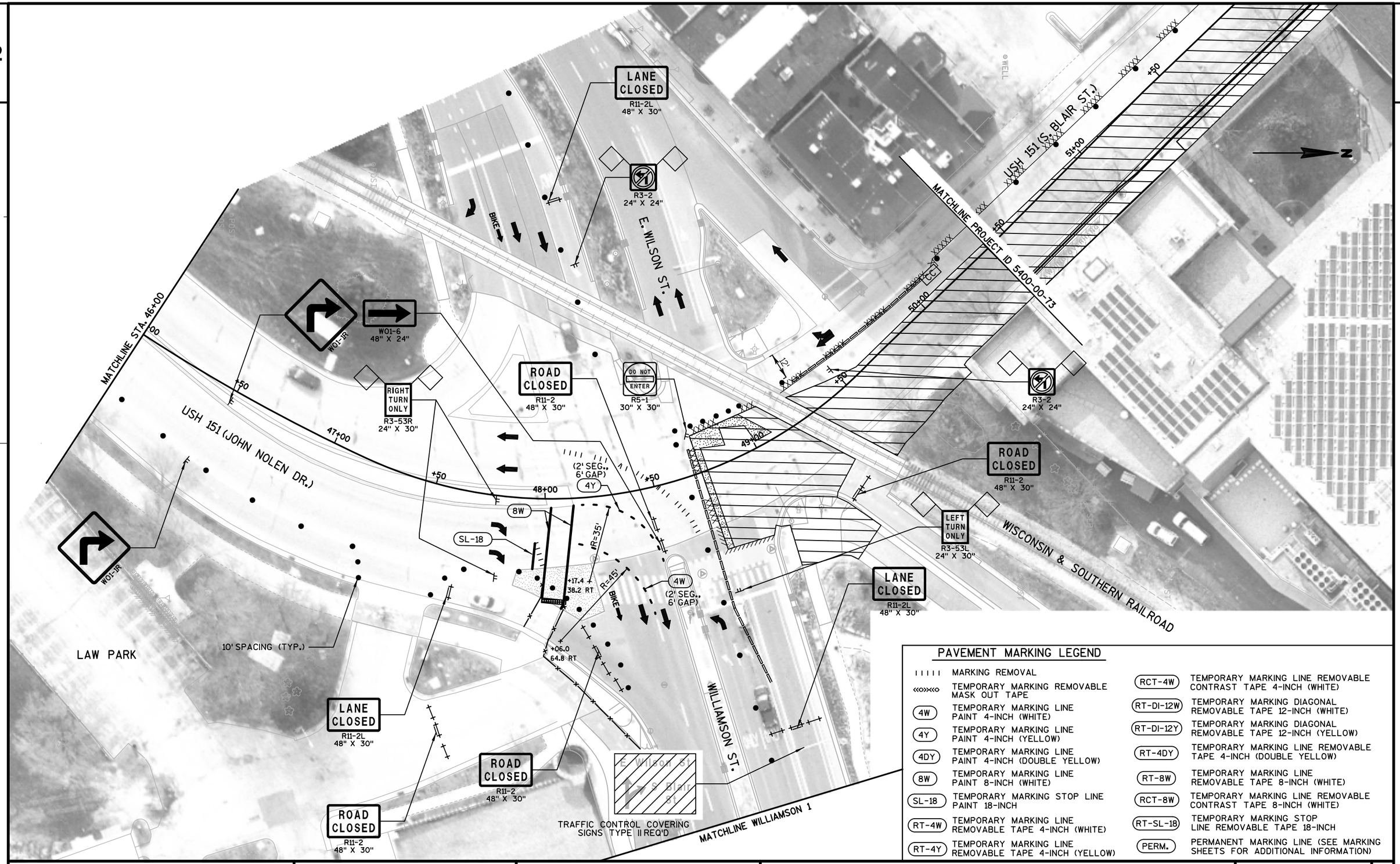
IIIII	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026155_s1B_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026156_s1B_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

MATCHLINE WILLIAMSON 1

WILLIAMSON ST.

S. BLOUNT ST.

MATCHLINE WILLIAMSON 2

LANE CLOSED
R11-2L
48" X 30"

RT-4W

John Nolen Dr
LEFT ONLY

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

PAVEMENT MARKING LEGEND

	MARKING REMOVAL
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026159_s1B_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N

LANE CLOSED
R11-2L
48" X 30"

125'

RT-4W

(AM PEAK)

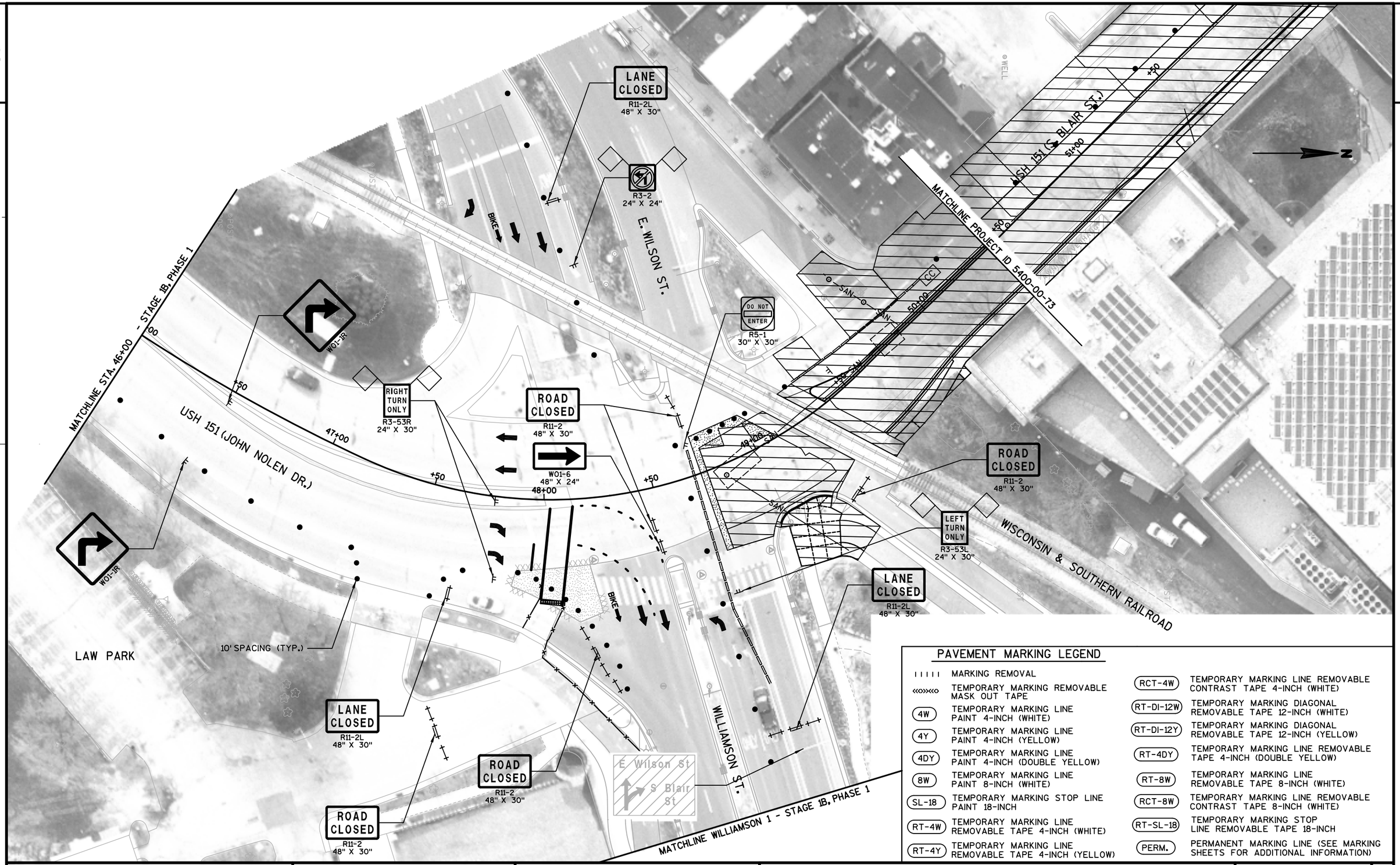
WILLIAMSON ST.

JENIFER ST.

MATCHLINE WILLIAMSON 2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET 111	E

2



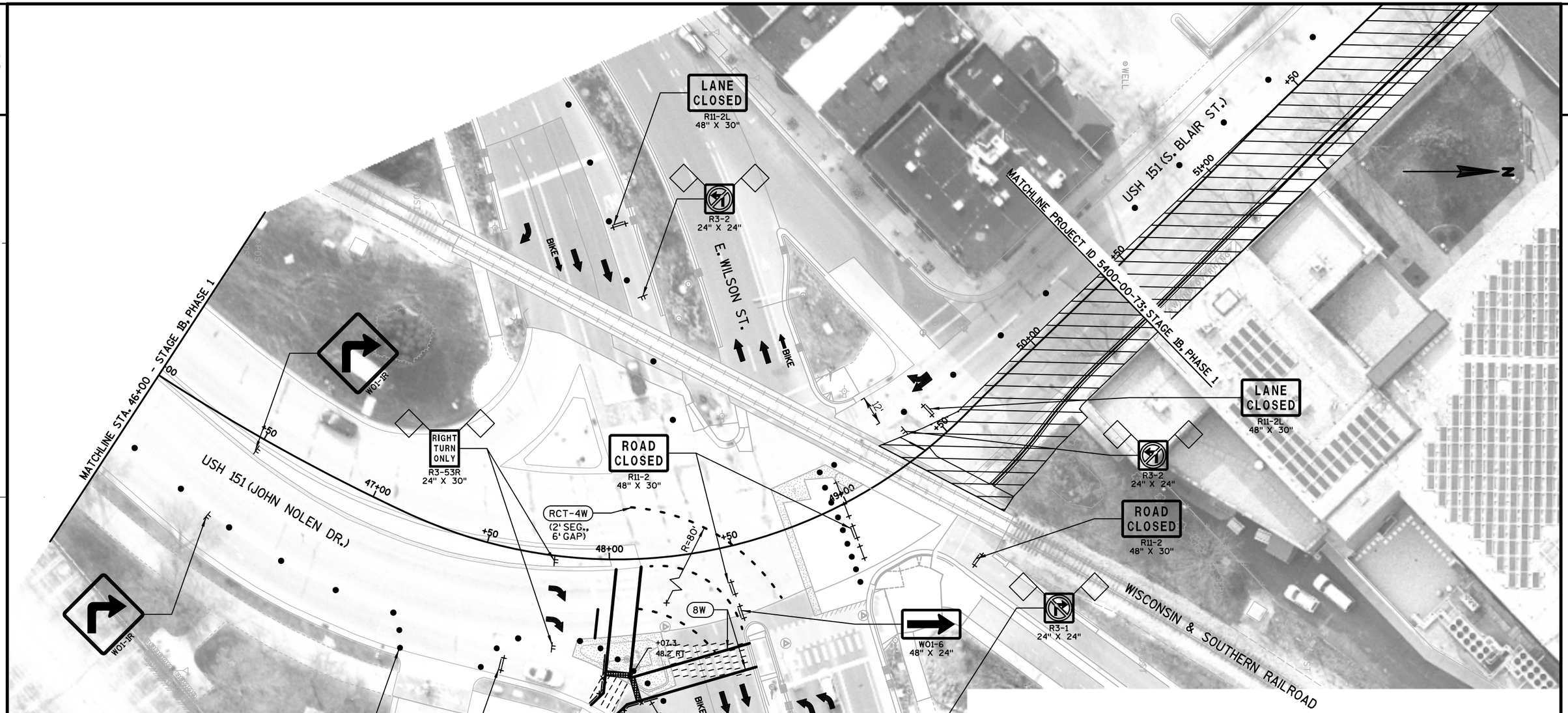
PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1 - BLAIR ST. CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026161_s1B_Phase 1 CLOSED.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



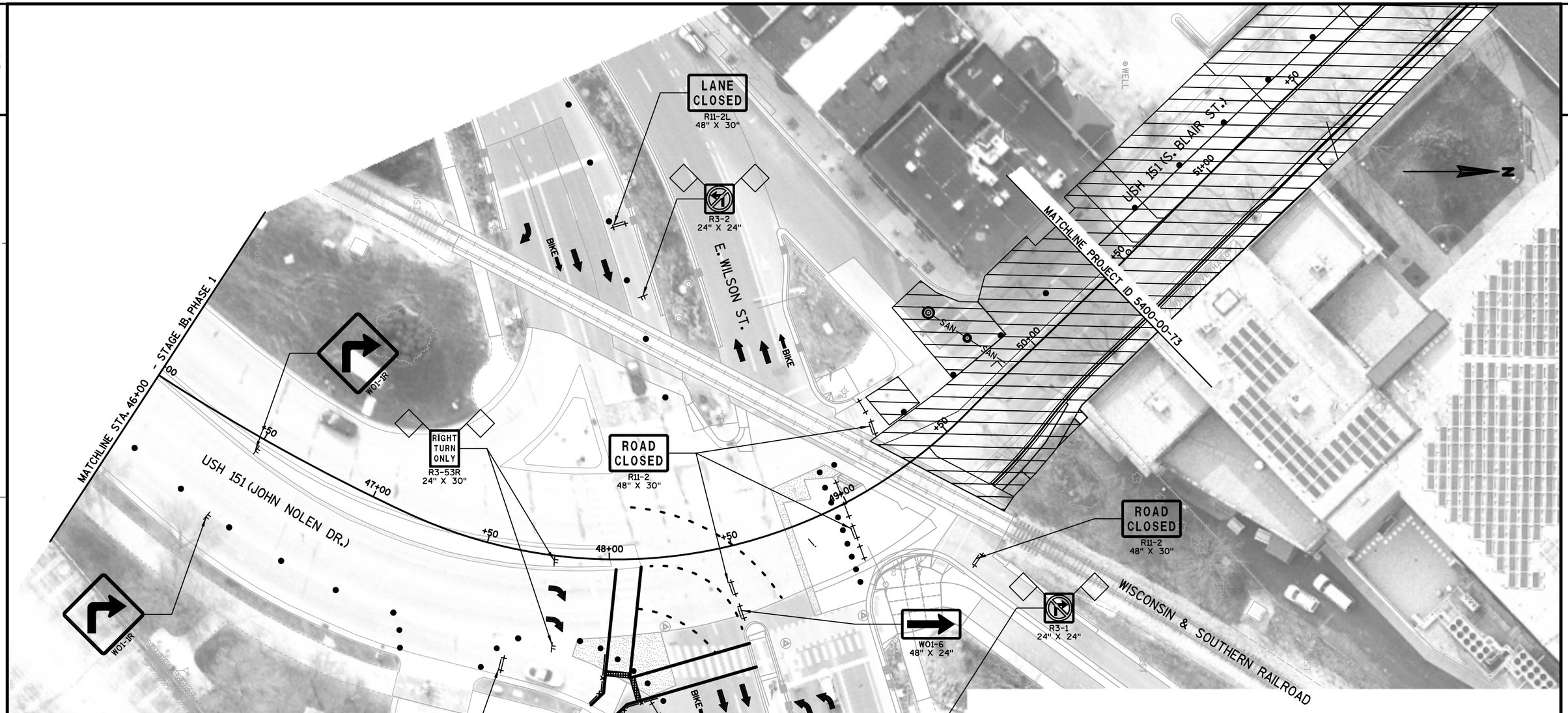
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026206_s1B_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

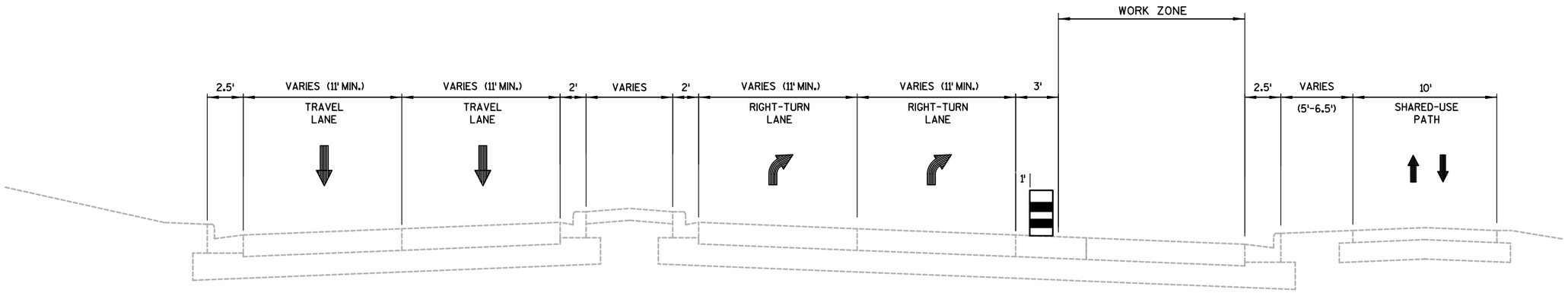


PAVEMENT MARKING LEGEND

	MARKING REMOVAL
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

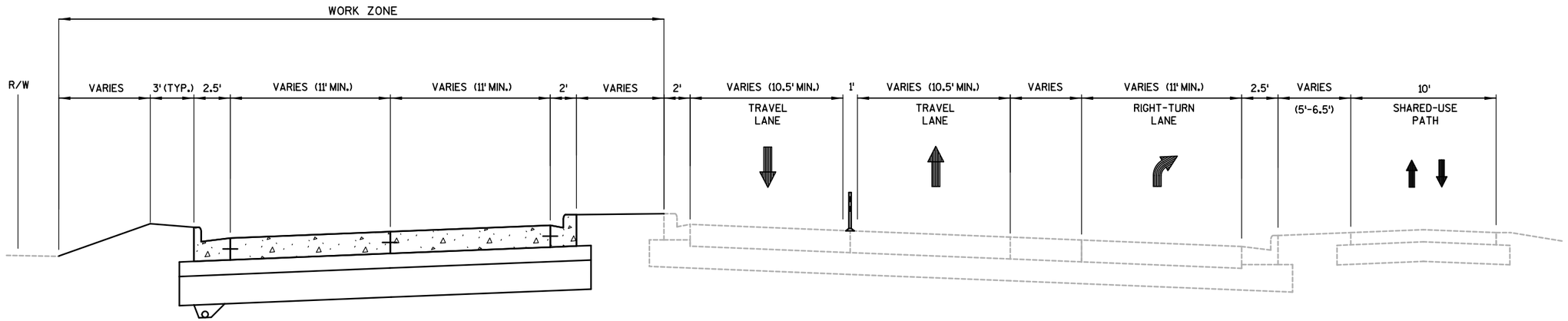
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 2 - BLAIR ST. CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026207_s1B_Phase 2 CLOSED.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



CONSTRUCTION STAGE 1C, PHASE 1 TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

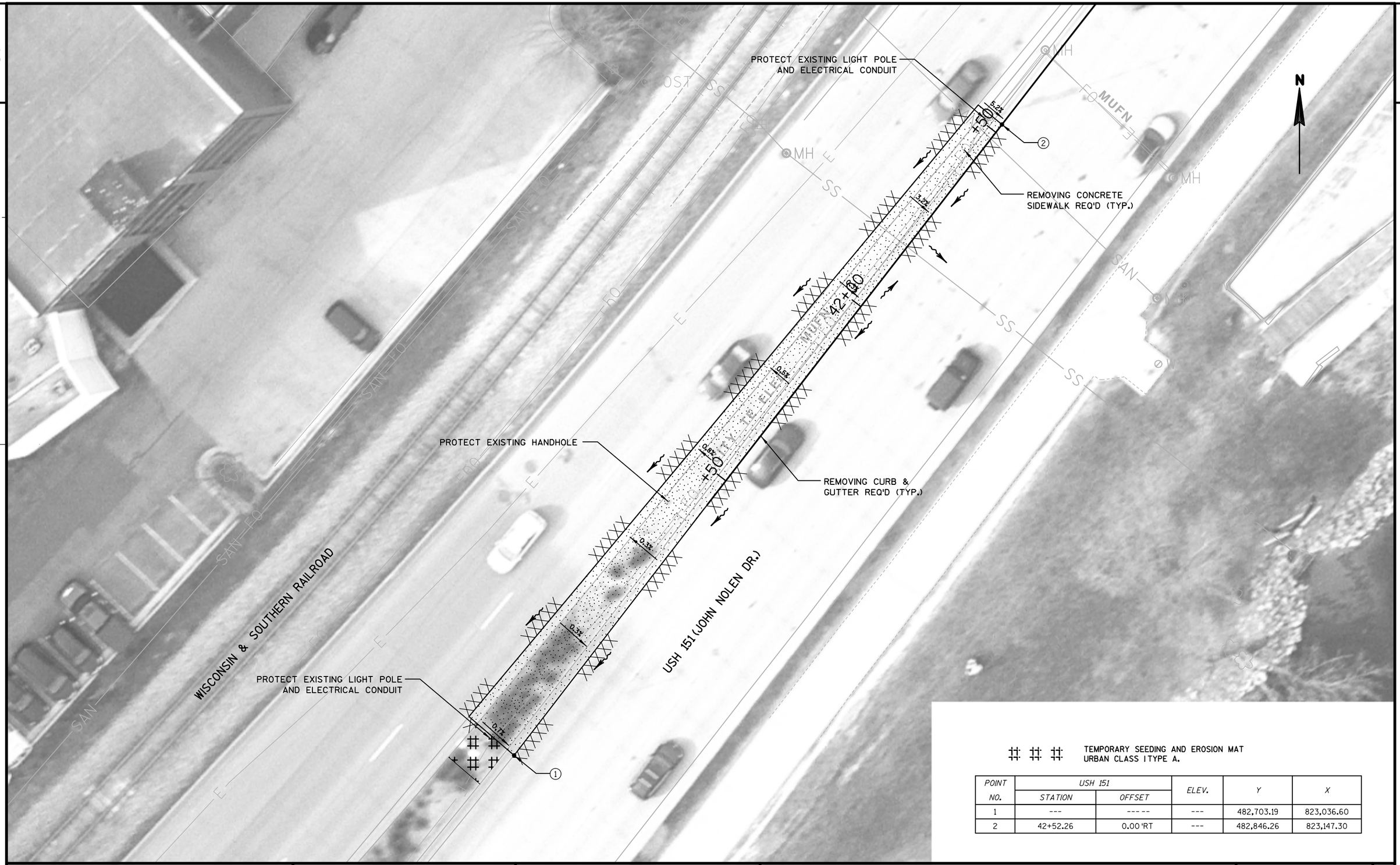
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1C, PHASE 1	SHEET 115	E



CONSTRUCTION STAGE 1C, PHASES 2 & 3 TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1C, PHASES 2 & 3	SHEET 116	E

2



TEMPORARY SEEDING AND EROSION MAT
URBAN CLASS I TYPE A.

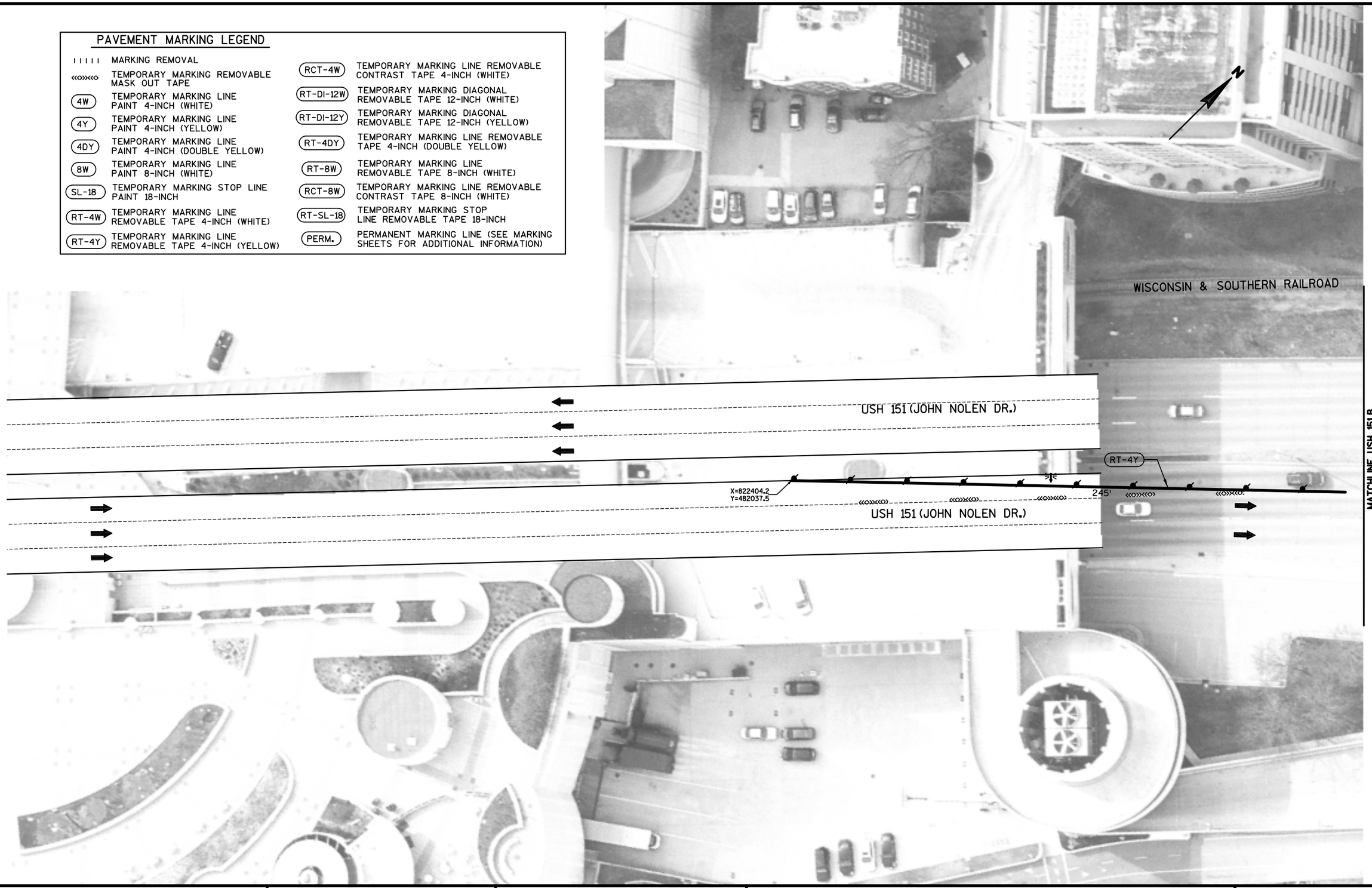
POINT NO.	USH 151 STATION	USH 151 OFFSET	ELEV.	Y	X
1	---	-----	---	482,703.19	823,036.60
2	42+52.26	0.00 'RT	---	482,846.26	823,147.30

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026252_s1C_Phase 1_Temp Pavt Layout.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026253_s1C_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



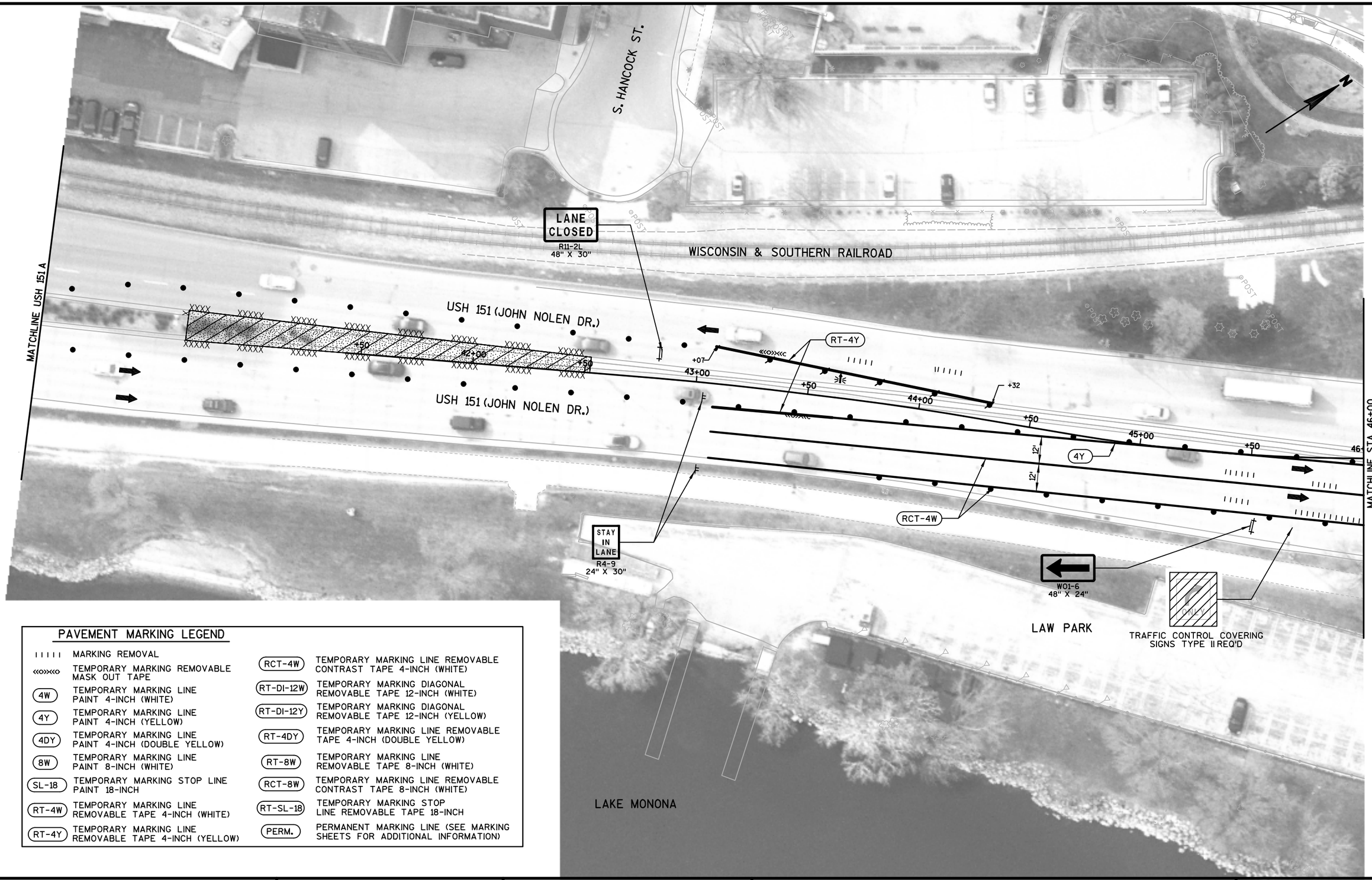
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026254_s1C_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026255_s1C_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

MATCHLINE E. WILSON 1

MATCHLINE STA. 46+00

MATCHLINE PROJECT ID 5400-00-73

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

USH 151 (S. BLAIR ST.)

51+00

+50

+31

E. WILSON ST.

BIKE

W01-1R

DO NOT ENTER
R5-1
30" X 30"

RIGHT TURN ONLY
R3-53R
24" X 30"

ROAD CLOSED
R11-2
48" X 30"

49+85.1
180.2 LT
+ -
R=200'

49+00

W01-6
48" X 24"
48+00

+10

4Y
(2' SEG., 6' GAP)

RT-4Y
(2' SEG., 6' GAP)

RT-4W

RT-4Y

+86

14'

+50

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

WISCONSIN & SOUTHERN RAILROAD

R3-1
24" X 24"

RCT-4W

4Y

+54

USH 151 (JOHN NOLEN DR.)

47+00

+42

+50

4W

W01-1R

LAW PARK

10' SPACING (TYP.)

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

WILLIAMSON ST.

BIKE

BIKE

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026256_s1C_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

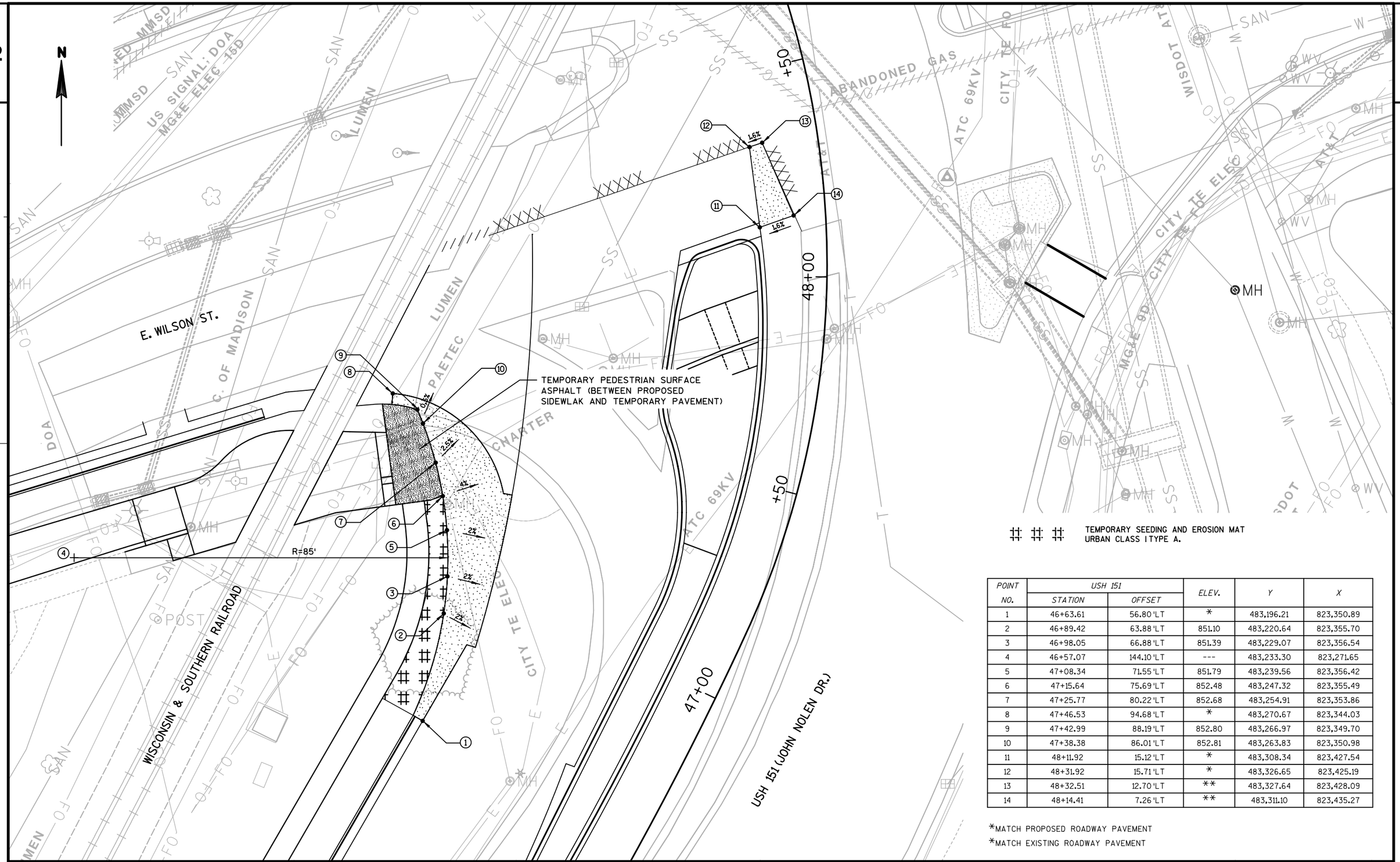
N

MATCHLINE E. WILSON 1

WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET 122	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026258_s1C_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



POINT NO.	USH 151 STATION	USH 151 OFFSET	ELEV.	Y	X
1	46+63.61	56.80 'LT	*	483,196.21	823,350.89
2	46+89.42	63.88 'LT	851.10	483,220.64	823,355.70
3	46+98.05	66.88 'LT	851.39	483,229.07	823,356.54
4	46+57.07	144.10 'LT	---	483,233.30	823,271.65
5	47+08.34	71.55 'LT	851.79	483,239.56	823,356.42
6	47+15.64	75.69 'LT	852.48	483,247.32	823,355.49
7	47+25.77	80.22 'LT	852.68	483,254.91	823,353.86
8	47+46.53	94.68 'LT	*	483,270.67	823,344.03
9	47+42.99	88.19 'LT	852.80	483,266.97	823,349.70
10	47+38.38	86.01 'LT	852.81	483,263.83	823,350.98
11	48+11.92	15.12 'LT	*	483,308.34	823,427.54
12	48+31.92	15.71 'LT	*	483,326.65	823,425.19
13	48+32.51	12.70 'LT	**	483,327.64	823,428.09
14	48+14.41	7.26 'LT	**	483,311.10	823,435.27

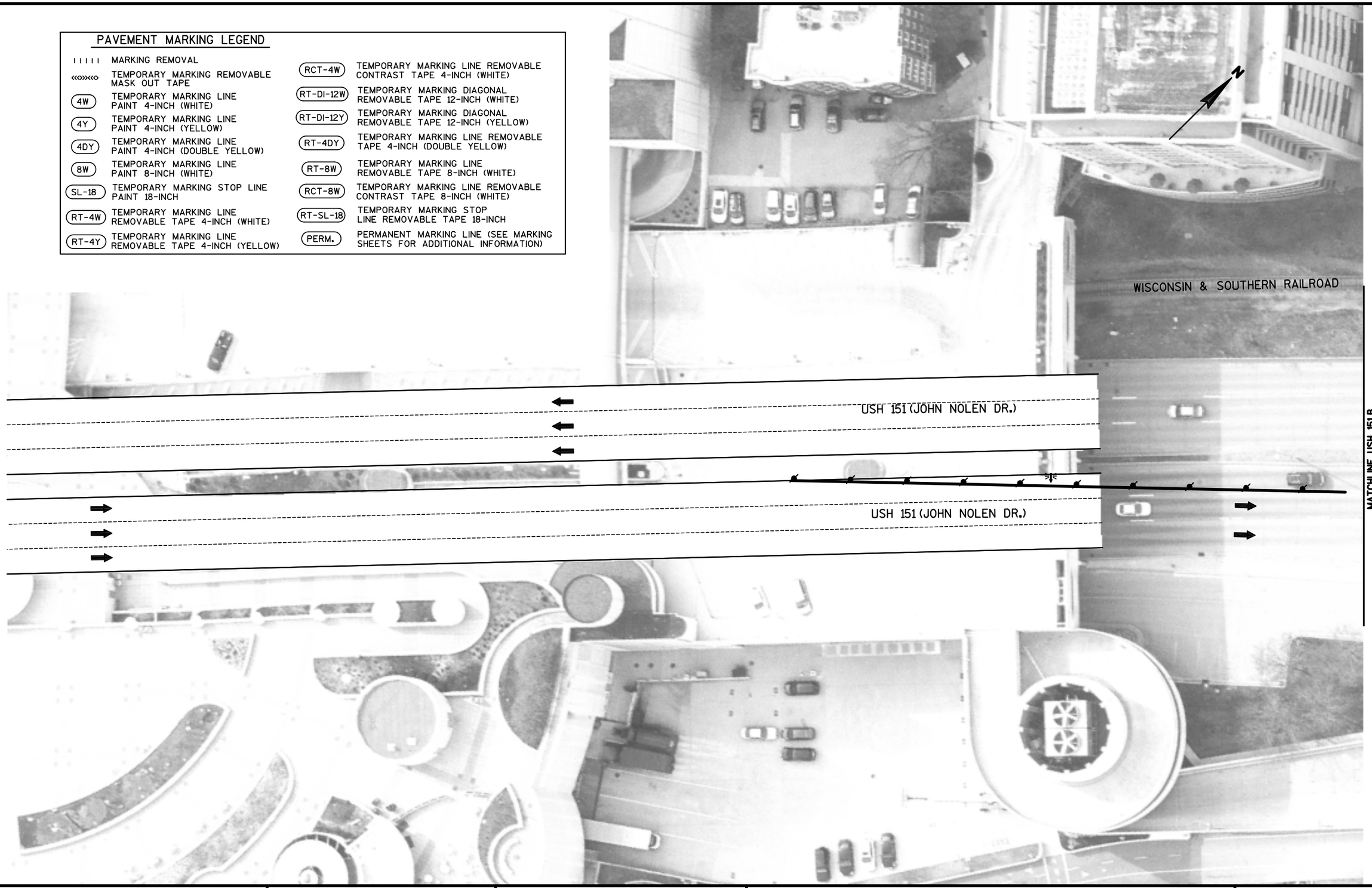
*MATCH PROPOSED ROADWAY PAVEMENT

*MATCH EXISTING ROADWAY PAVEMENT

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1C, PHASE 2	SHEET 123	E

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2



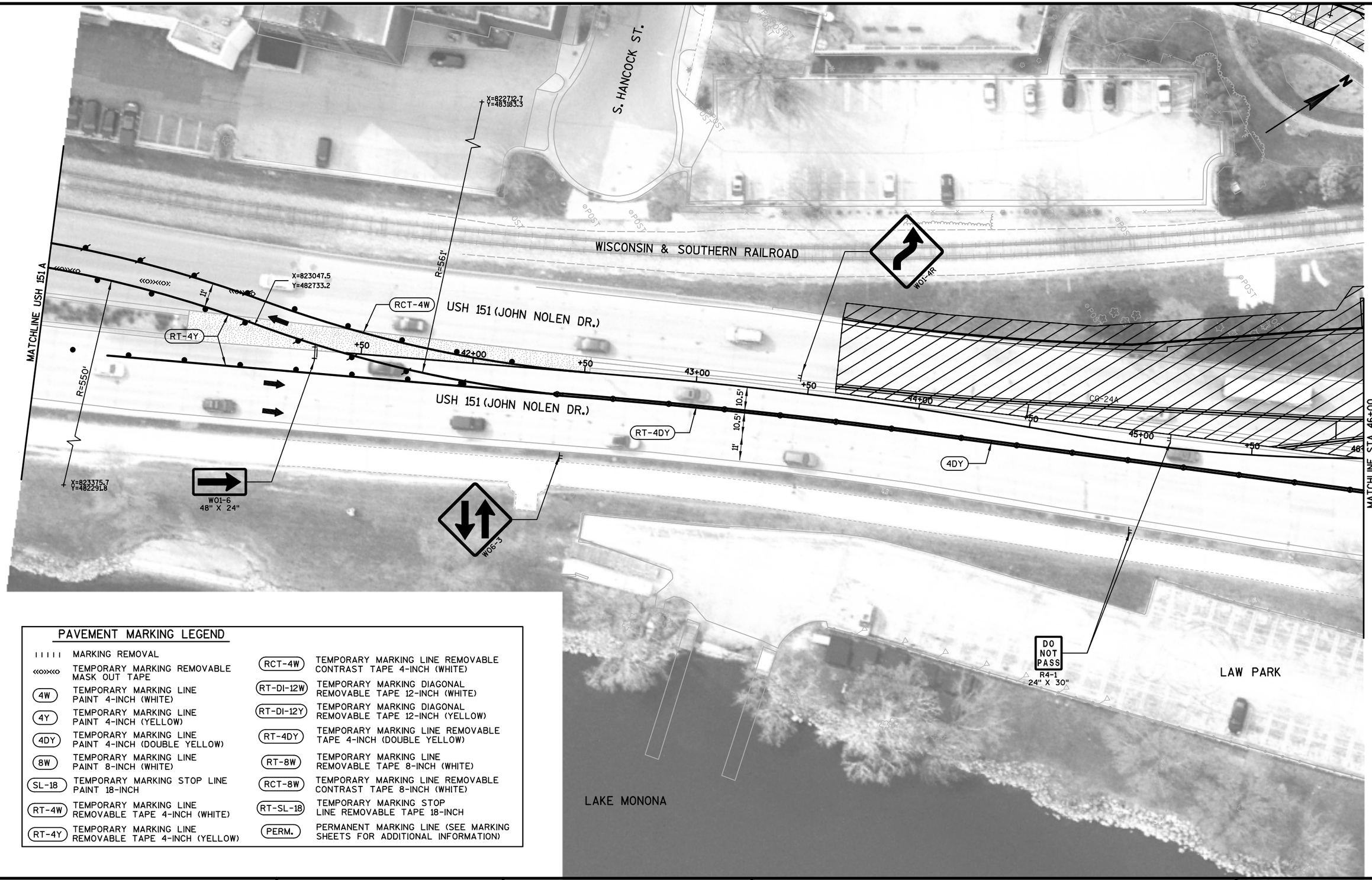
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026304_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026305_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

MATCHLINE E. WILSON 1

LANE CLOSED
R11-2L
48" X 30"

RT-4W

RT-4Y

R3-1
24" X 24"
TRUCK
M4-4
24" X 12"

ROAD CLOSED
R11-2
48" X 30"

E. WILSON ST.

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE PROJECT ID 5400-00-73; STAGE 1B, PHASE 1

USH 151 (S. BLAIR ST.)

51+00

+50

+50

11'

11'

N

ROAD CLOSED
R11-2
48" X 30"

MATCHLINE STA. 46+00

90

+50

47+06

+50

48+00

+50

49+00

10' SPACING (TYP.)

50+00

+50

RT-4W

LANE CLOSED
R11-2L
48" X 30"

RT-4DY

RT-SL-18

W06-3

DO NOT PASS
R4-1
24" X 30"

R3-2
24" X 24"

RT-8W (TYP.)

USH 151 (JOHN NOLEN DR.)

SOUTH 151

MOVING SIGNS TYPE II REQ'D

4DY

(2' SEG., 6' GAP)

4Y

14'

14'

RT-4Y
(2' SEG., 6' GAP)

WISCONSIN & SOUTHERN RAILROAD

8W

BIKE

W06-3

8W

BIKE

BIKE

LAW PARK

LANE CLOSED
R11-2L
48" X 30"

E Wilson St

S Blair St

WILLIAMSON ST.

R3-2
24" X 24"

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

MATCHLINE WILLIAMSON 1

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

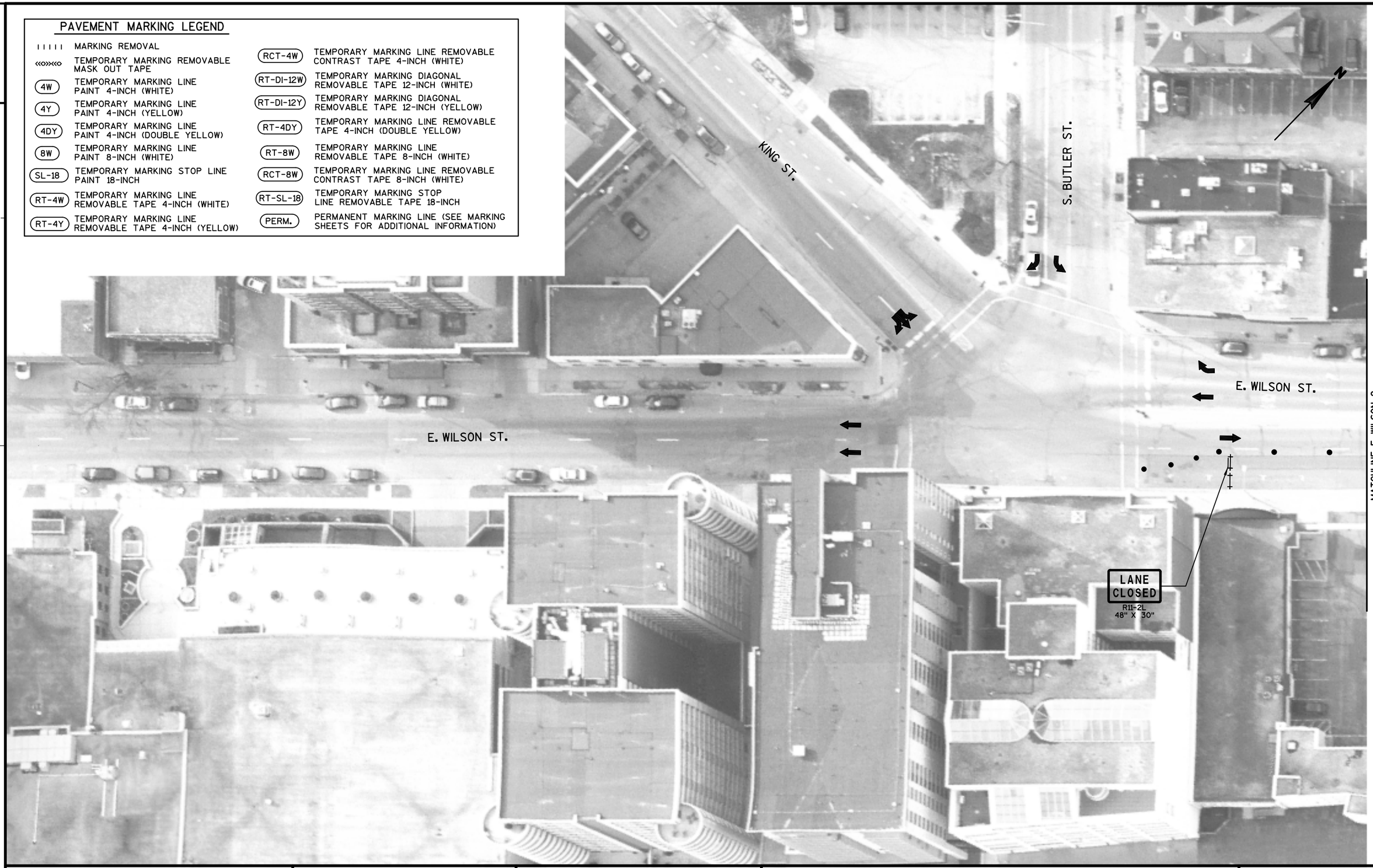
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026306_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026307_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

BIKE

RT-4W

MATCHLINE E. WILSON 2

MATCHLINE E. WILSON 1

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

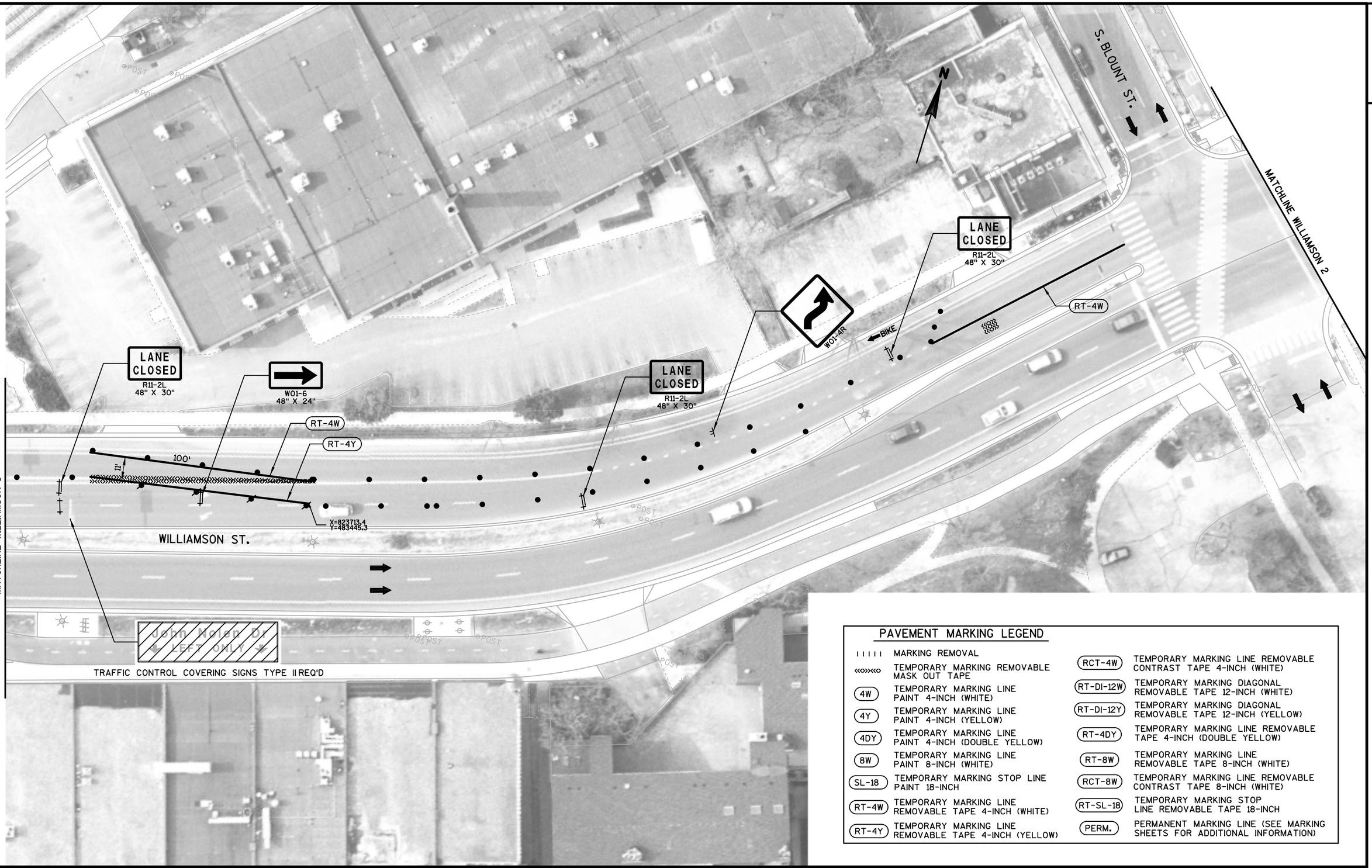
WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026308_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET 130	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026309_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N

LANE CLOSED
R11-2L
48" X 30"

RT-4W

125'

(AM PEAK)

WILLIAMSON ST.

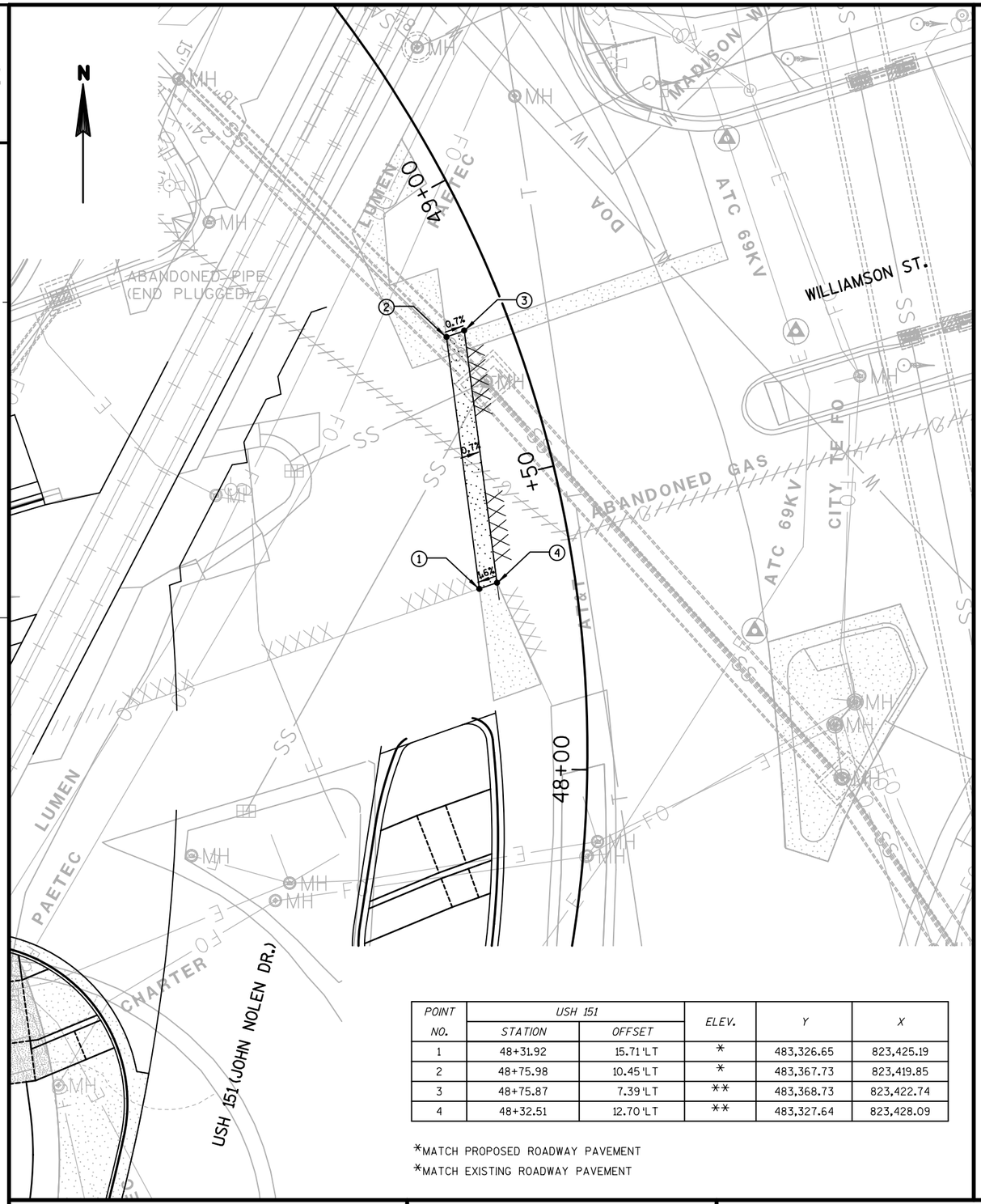
JENIFER ST.

MATCHLINE WILLIAMSON 2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 2	SHEET 131	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026309a_s1C_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



POINT NO.	USH 151 STATION	USH 151 OFFSET	ELEV.	Y	X
1	48+31.92	15.71'LT	*	483,326.65	823,425.19
2	48+75.98	10.45'LT	*	483,367.73	823,419.85
3	48+75.87	7.39'LT	**	483,368.73	823,422.74
4	48+32.51	12.70'LT	**	483,327.64	823,428.09

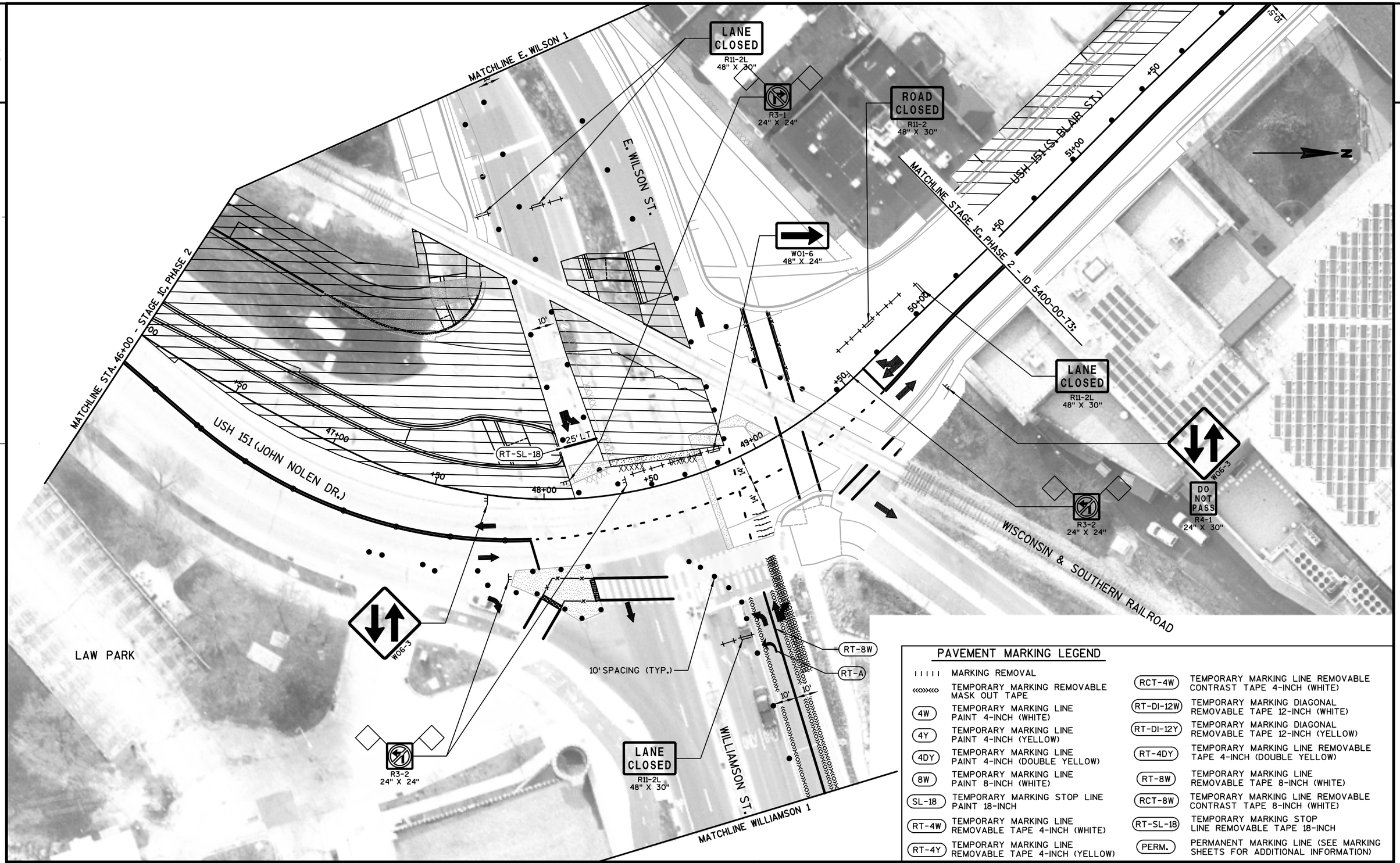
*MATCH PROPOSED ROADWAY PAVEMENT
*MATCH EXISTING ROADWAY PAVEMENT

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1C, PHASE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026355_s1C_Phase 3_Temp Pavement Layout.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

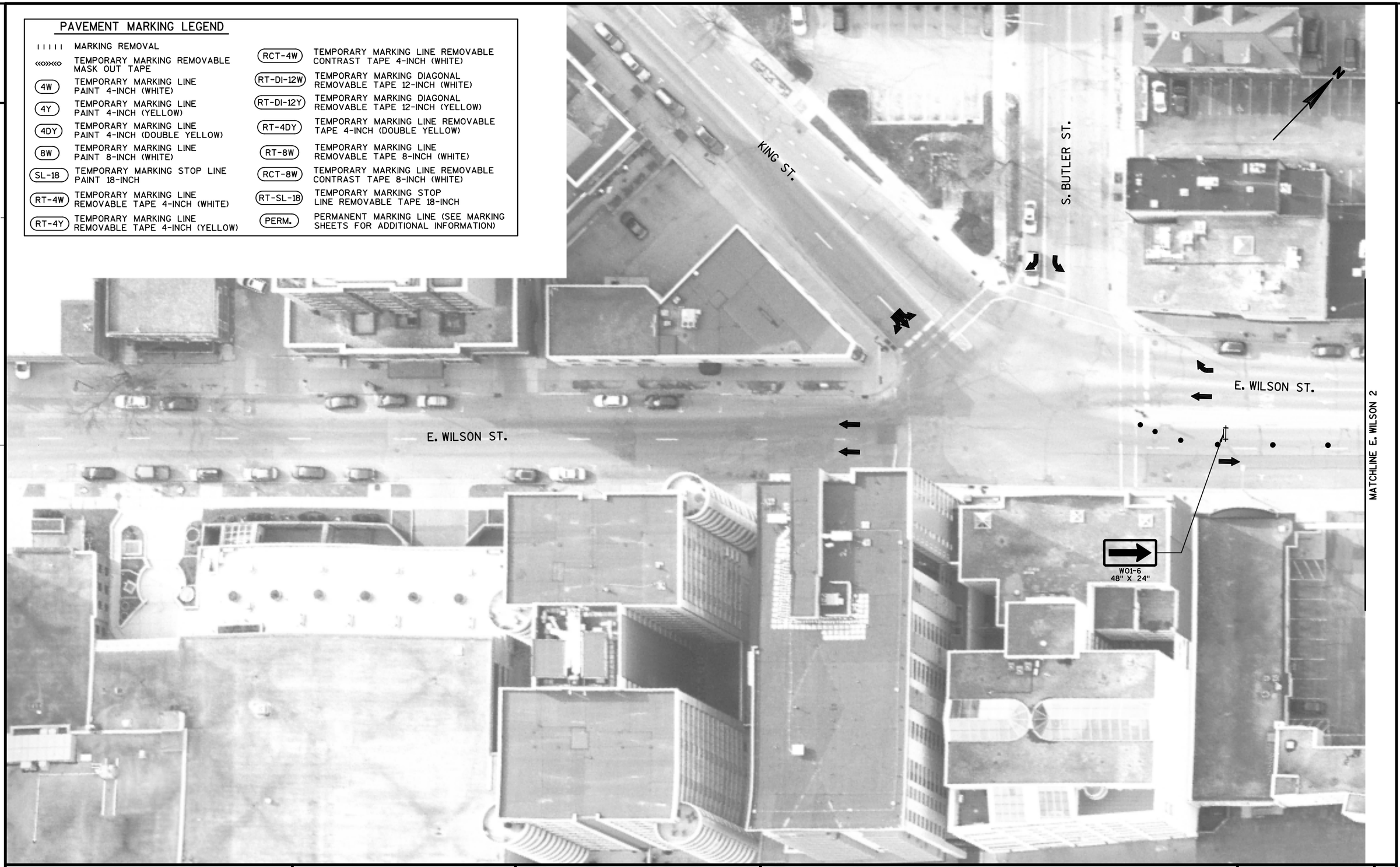
IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026356_s1C_Phase 3.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 3	SHEET

E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026357_s1C_Phase 3.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ııııı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

MATCHLINE E. WILSON 2

MATCHLINE E. WILSON 1

W01-6
48" X 24"

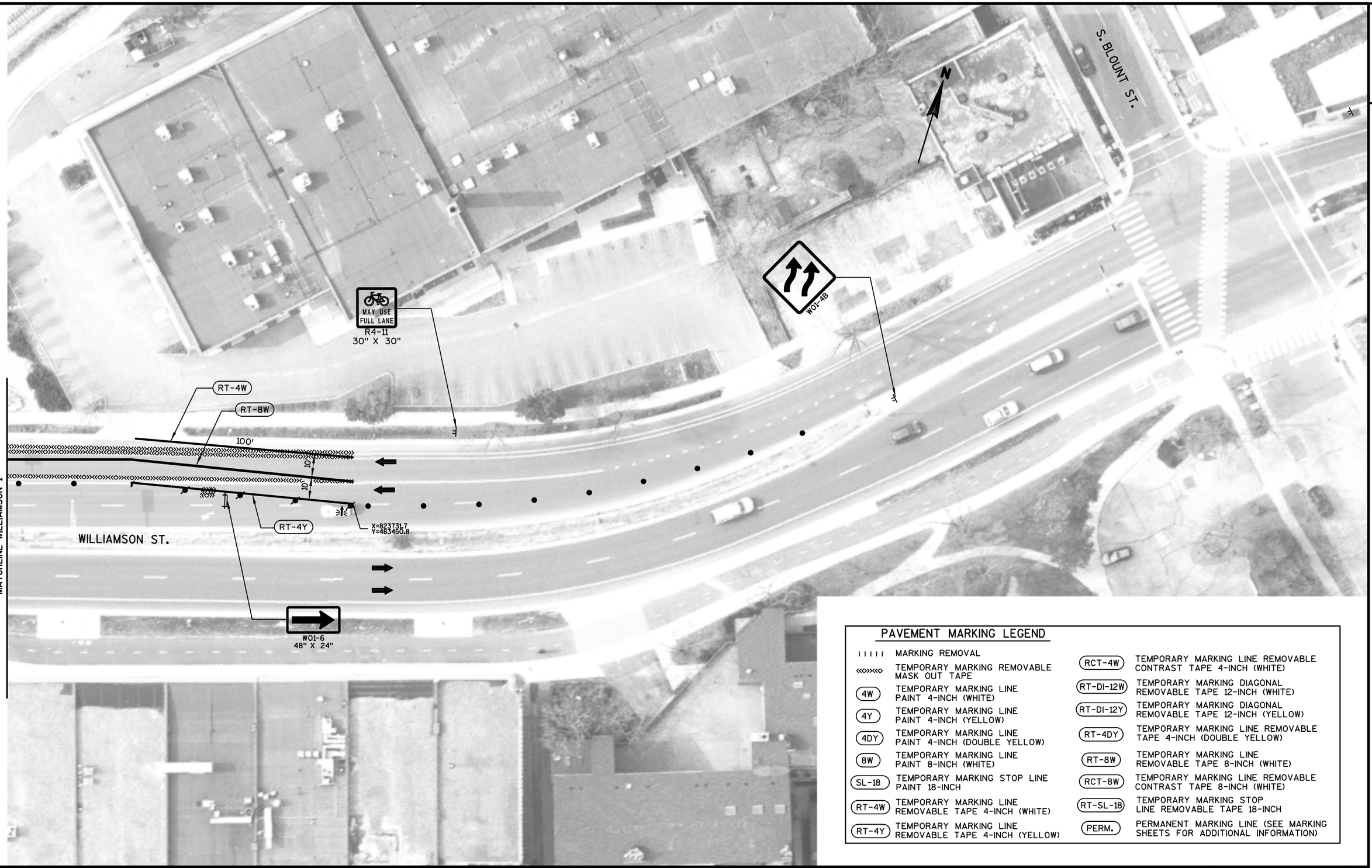
BEGIN LEFT TURN LANE
R3-20L
24" X 36"

W01-6
48" X 24"

WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 3	SHEET 135	E

2

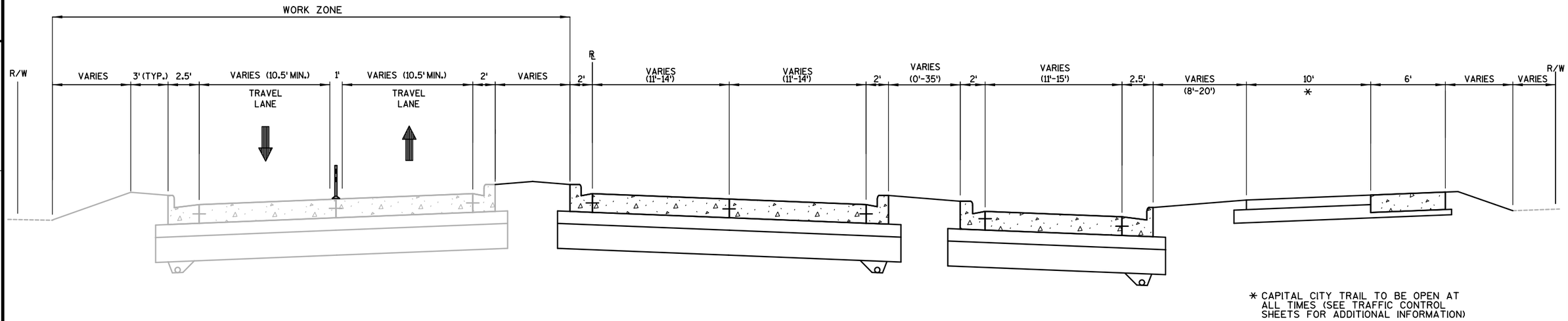


PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

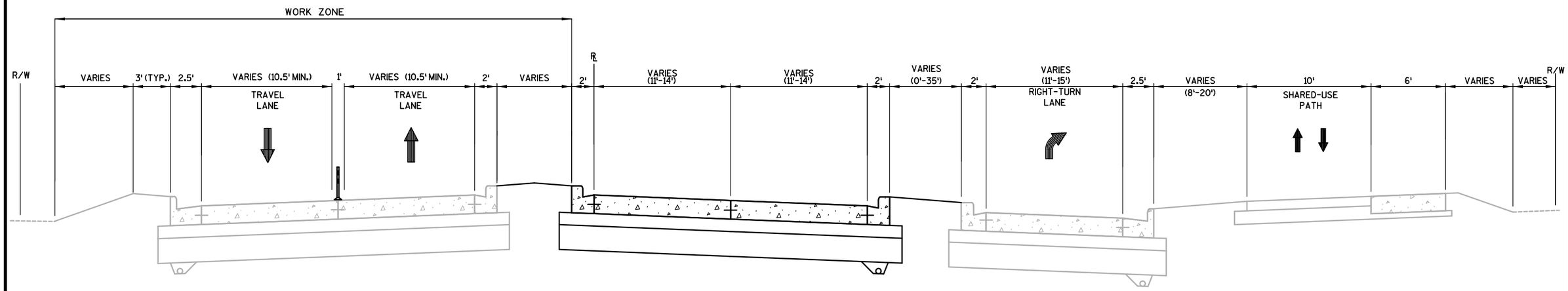
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026359_s1C_Phase 3.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



* CAPITAL CITY TRAIL TO BE OPEN AT ALL TIMES (SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION)

CONSTRUCTION STAGE 1D, PHASE 1 TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

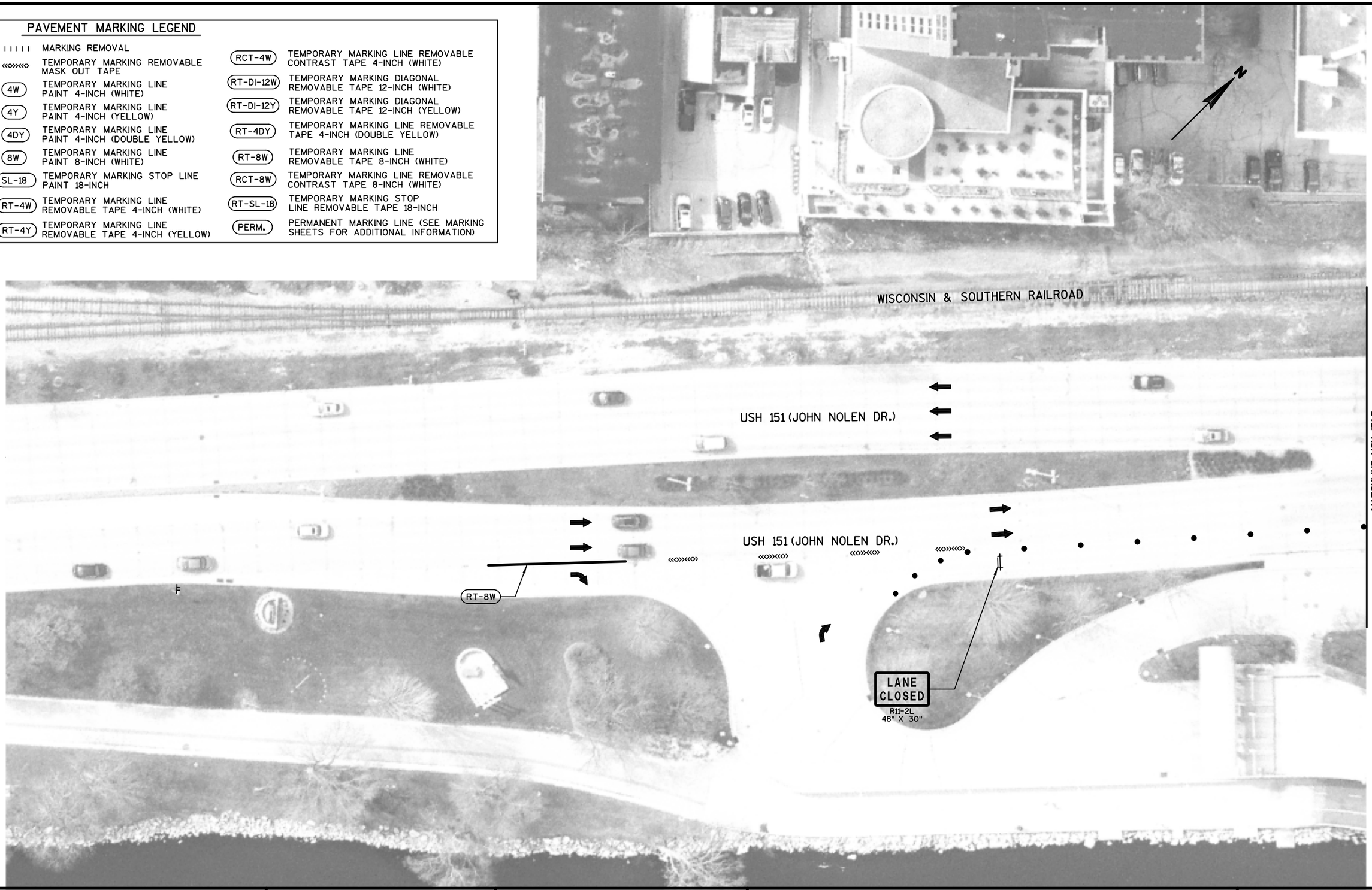


CONSTRUCTION STAGE 1D, PHASE 2 TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1D, PHASES 1 & 2	SHEET 137	E

PAVEMENT MARKING LEGEND

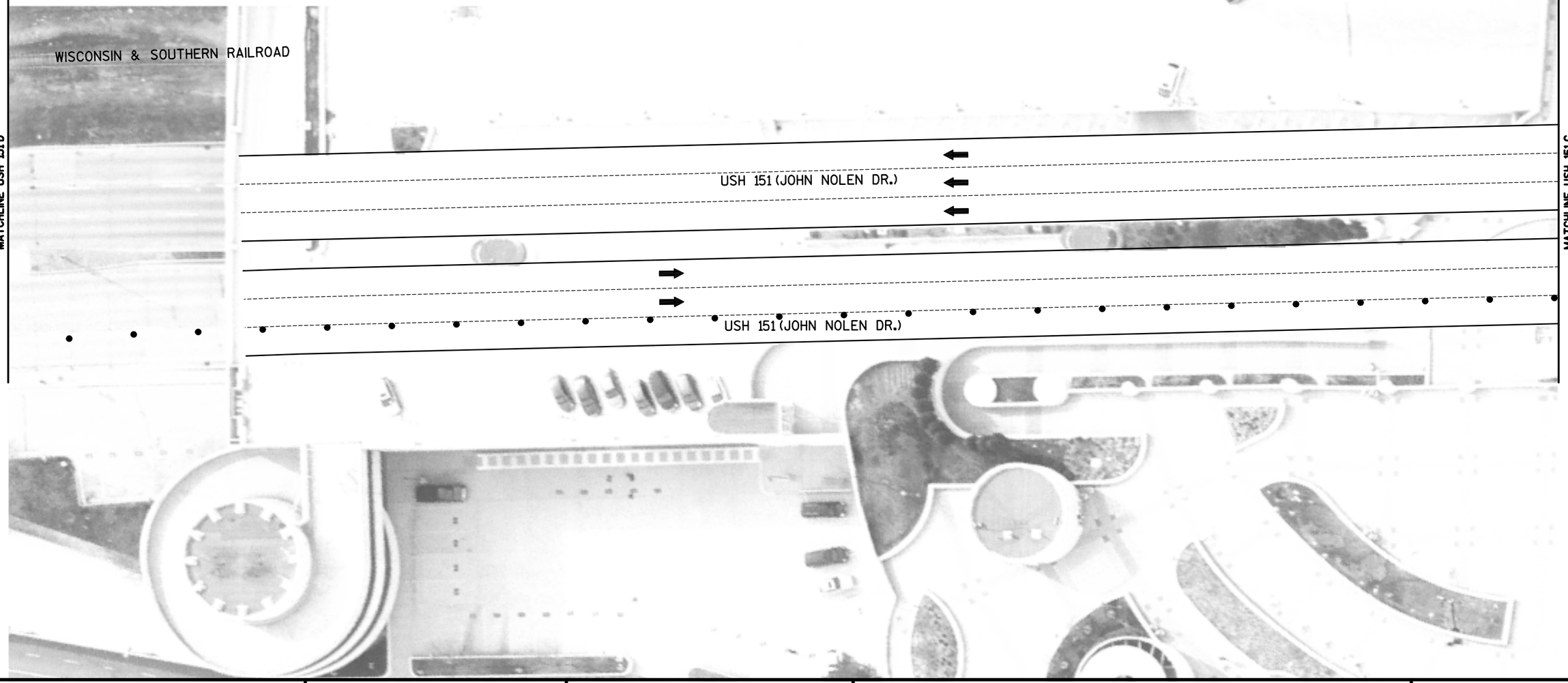
IIIII	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET 138	E

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



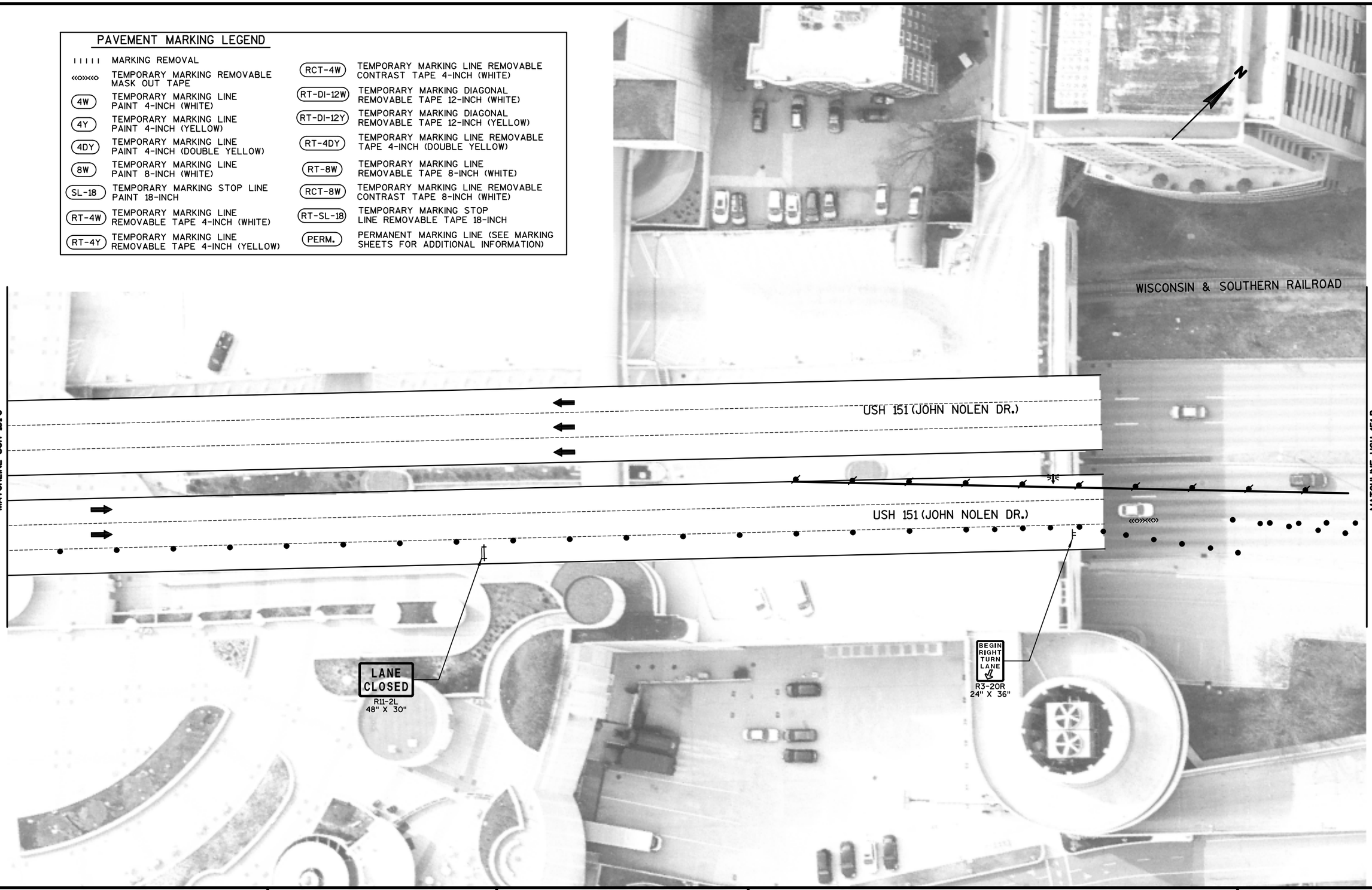
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PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026402_s1D_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

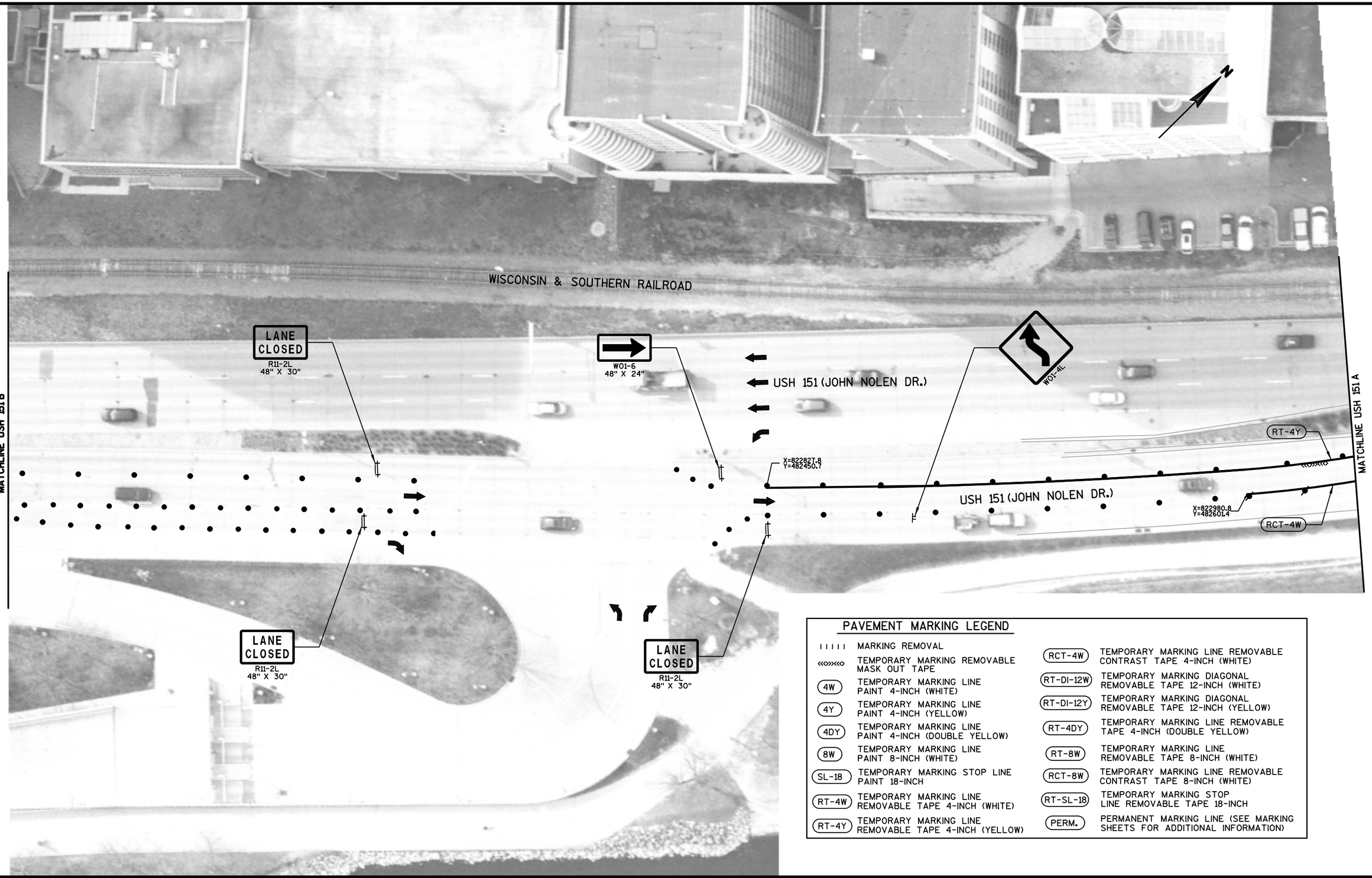


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PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

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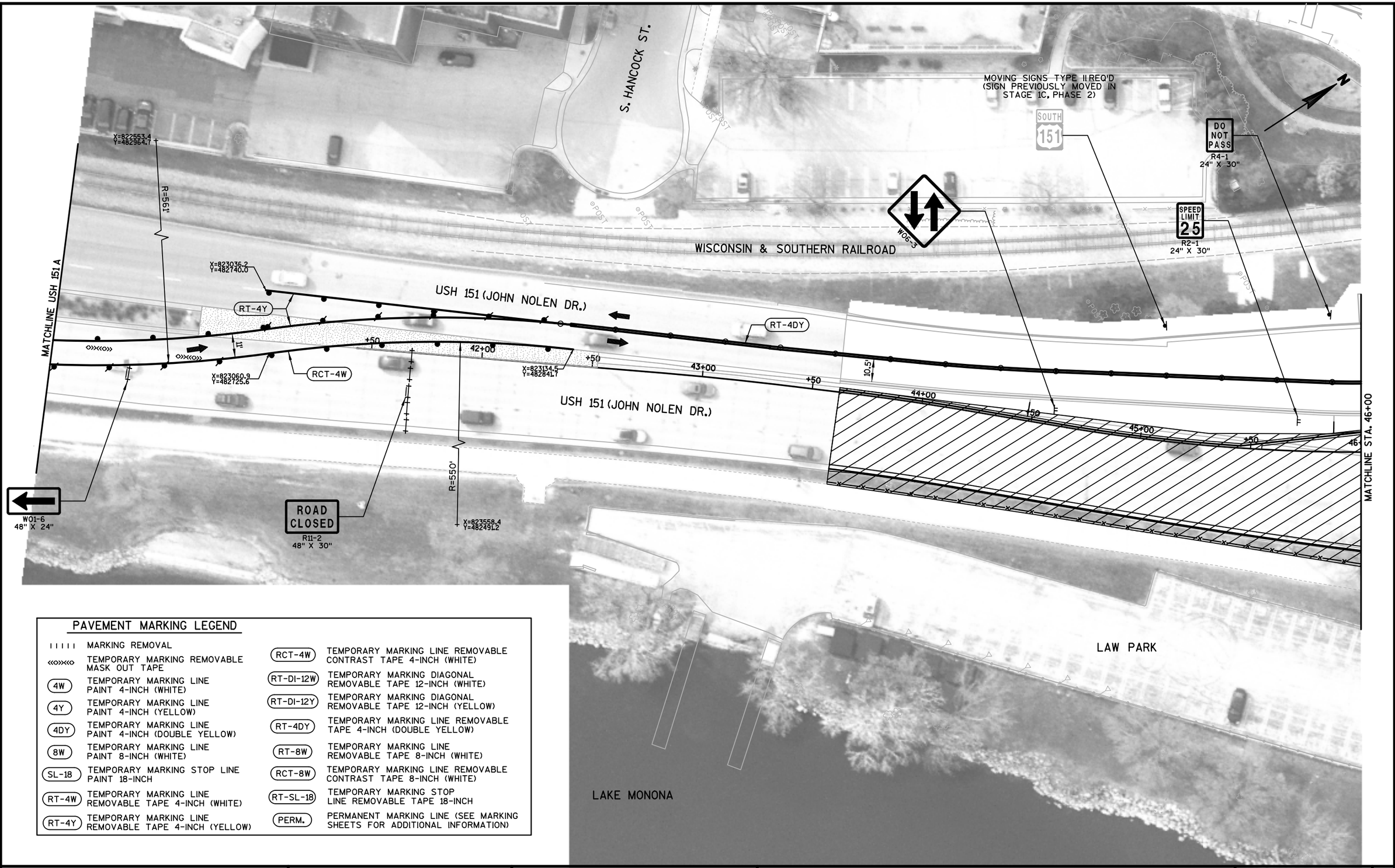
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026404_s1D_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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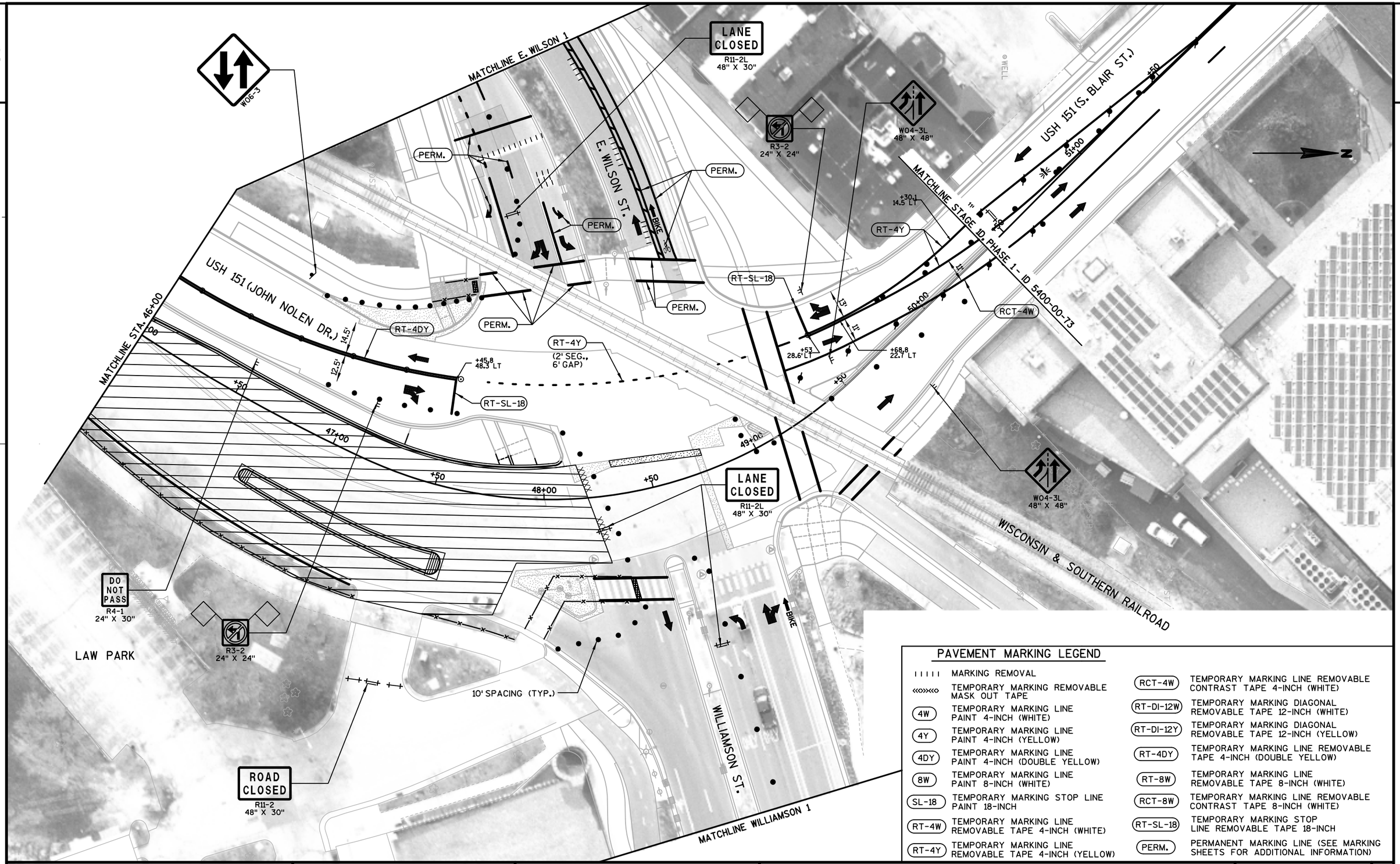


PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET 142	E

2



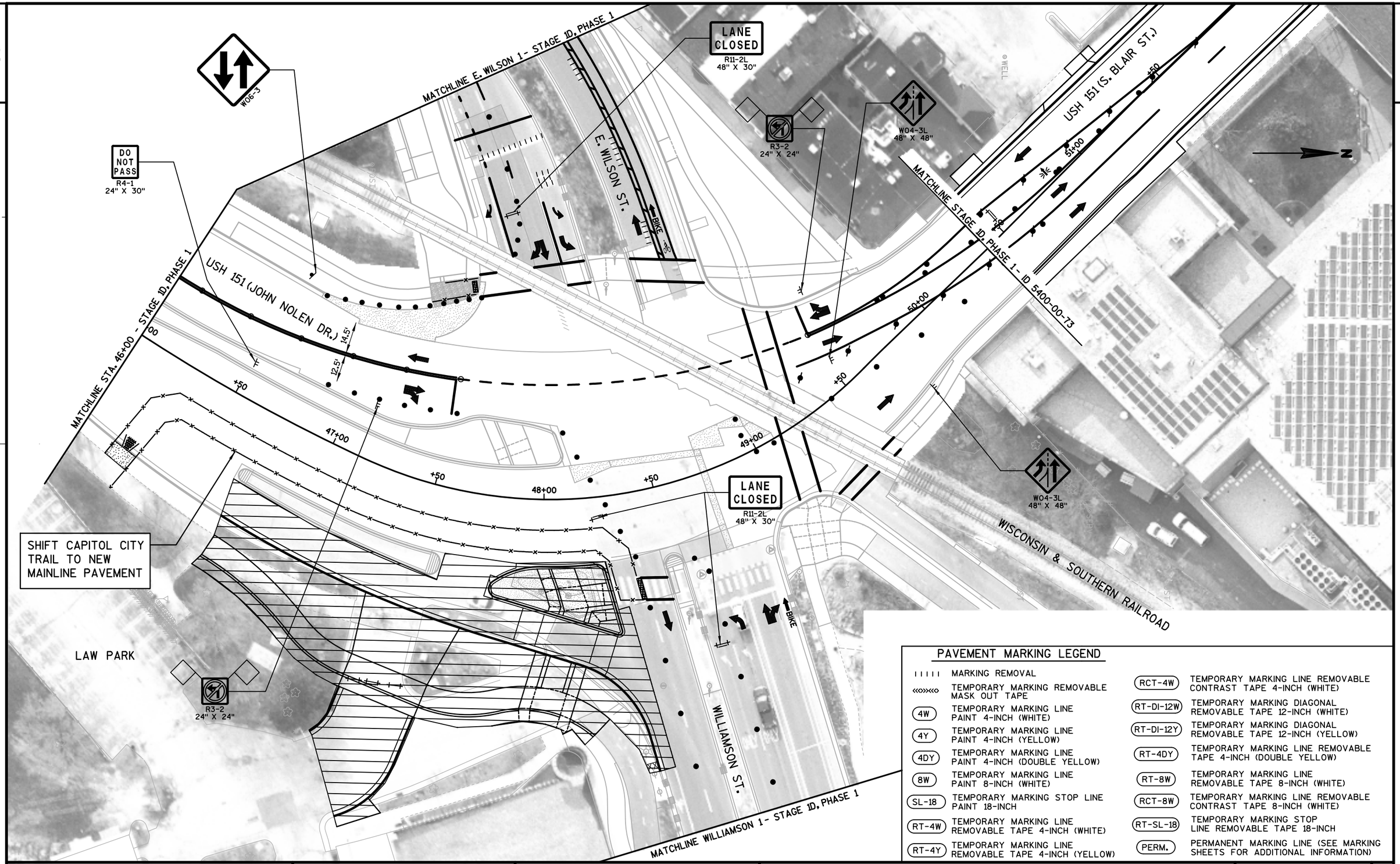
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026406_s1D_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

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PAVEMENT MARKING LEGEND

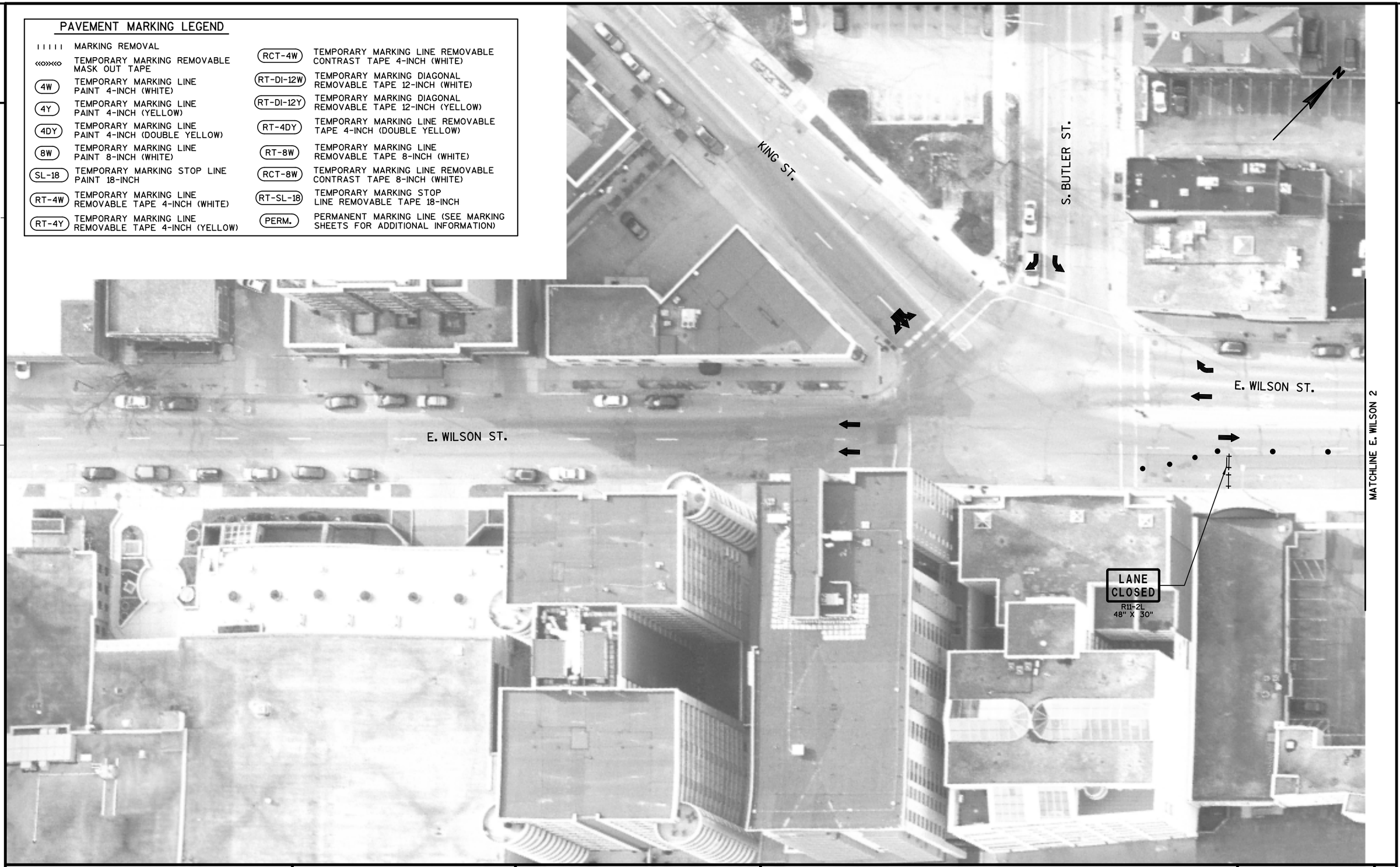
	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1A	SHEET 144 E

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026407_s1D_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

MATCHLINE E. WILSON 2

MATCHLINE E. WILSON 1

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

PERM.

PERM.

RR

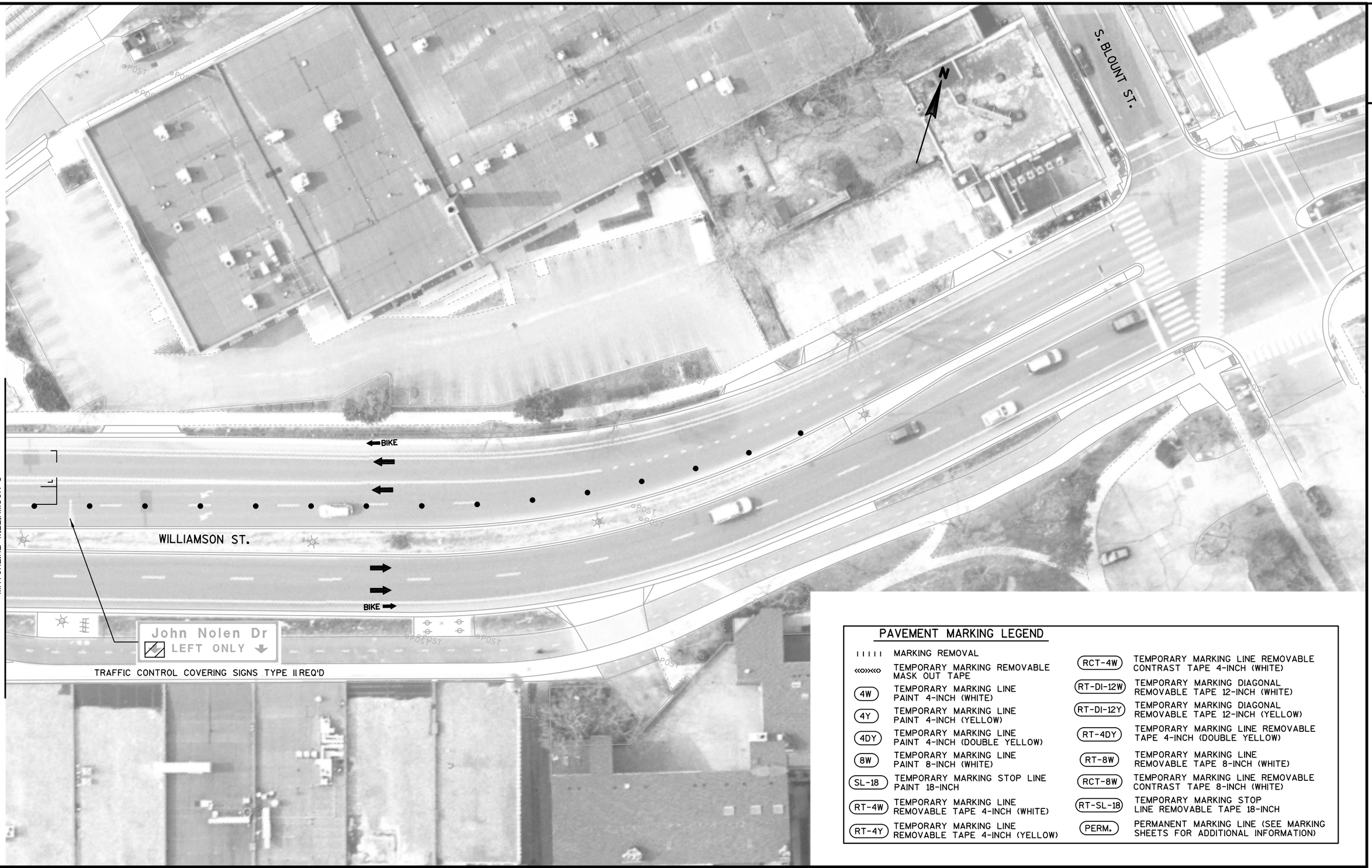
RR

WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026408_s1D_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

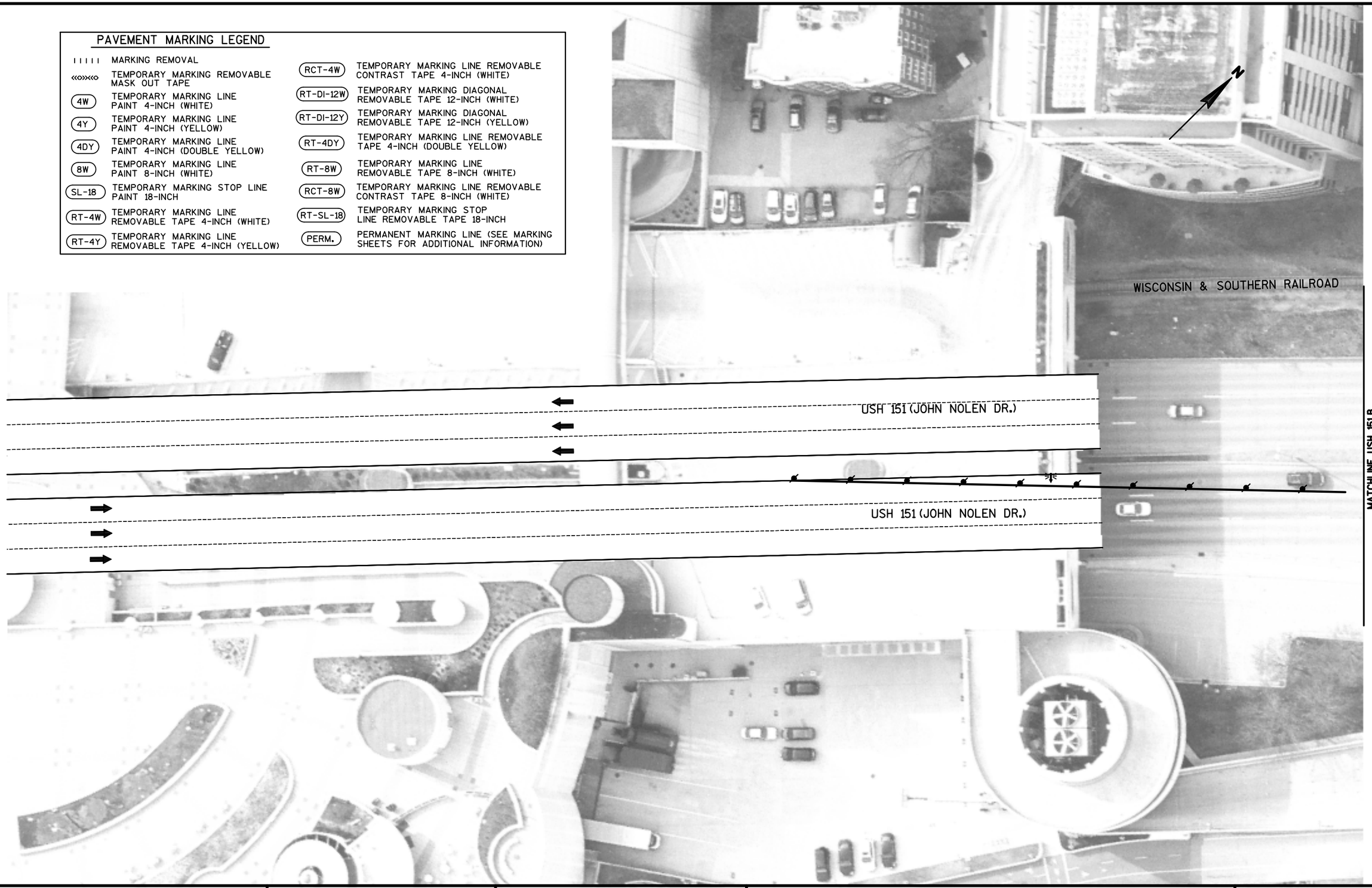
MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026409_s1D_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

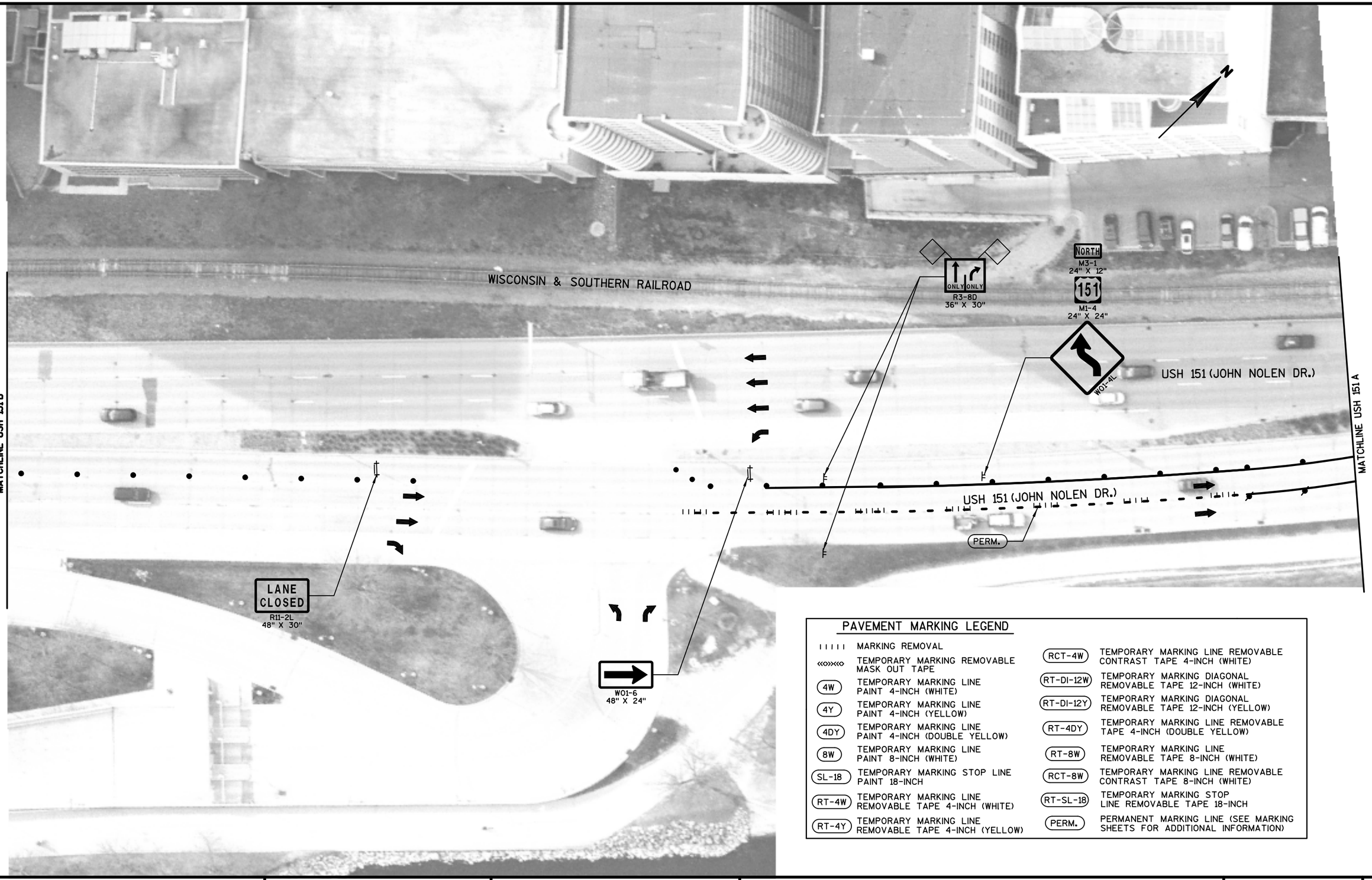


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PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026453_s1D_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



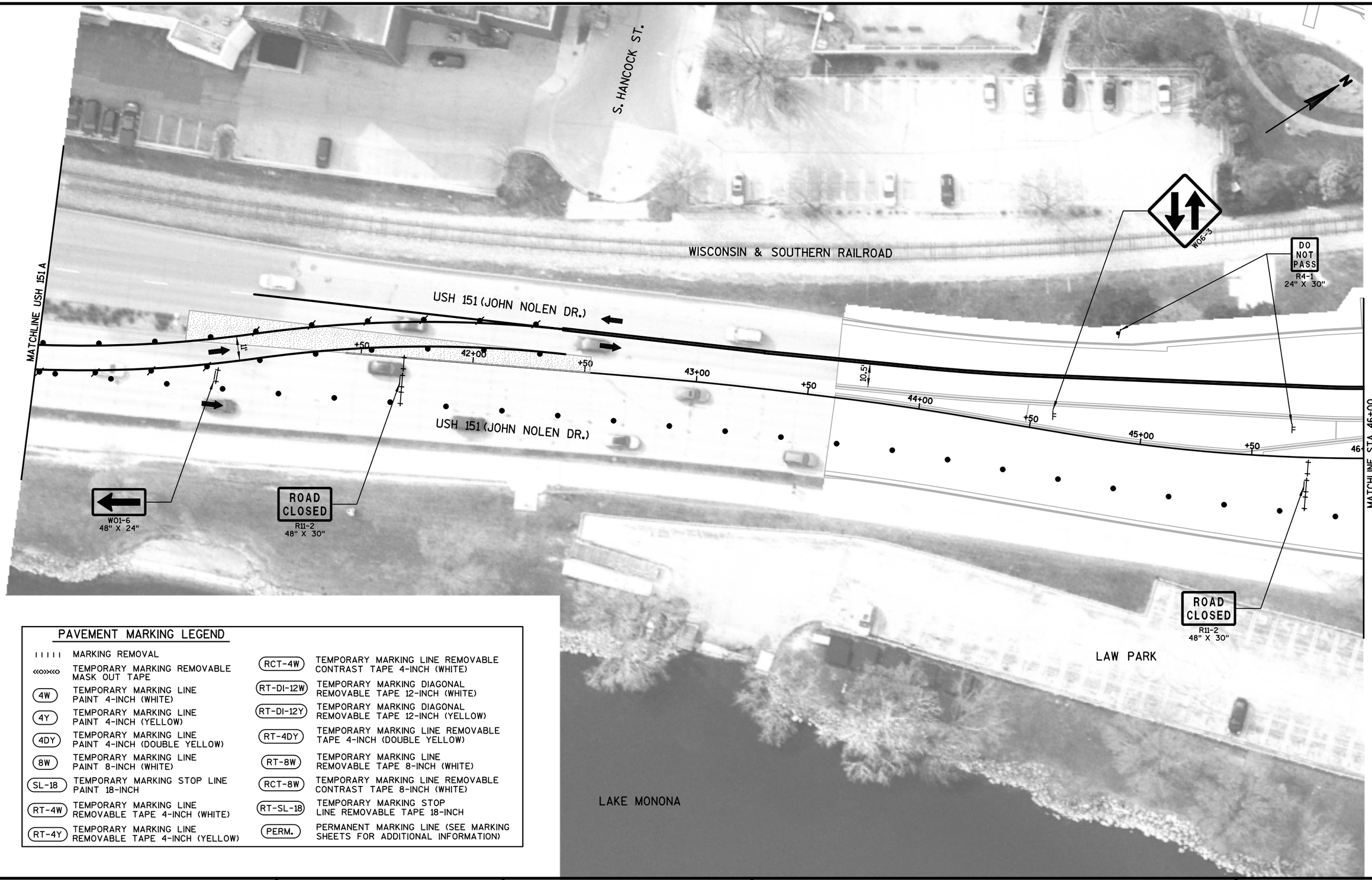
PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026454_s1D_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 2	SHEET 150	E

2

MATCHLINE E. WILSON 1- STAGE 1D, PHASE 1

W06-3

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

R3-2
24" X 24"

W04-3L
48" X 48"

E. WILSON ST. BIKE

MATCHLINE PROJECT ID 5400-00-73: STAGE 1B, PHASE 1

USH 151 (S. BLAIR ST.)

MATCHLINE STA. 46+00

USH 151 (JOHN NOLEN DR.)

14.5'

12.5'

13'

11'

14'

10.5'

46+00

47+00

48+00

49+00

50+00

51+00

+50

W01-7
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

RT-8W
(TYP.)

DO NOT ENTER
R5-1
30" X 30"

W04-3L
48" X 48"

LANE CLOSED
R11-2L
48" X 30"

WISCONSIN & SOUTHERN RAILROAD

ONE WAY
R6-2R
24" X 30"

ROAD CLOSED
R11-2
48" X 30"

LAW PARK

WILLIAMSON ST.

E Wilson St
S Blair St

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

MATCHLINE WILLIAMSON 1

N

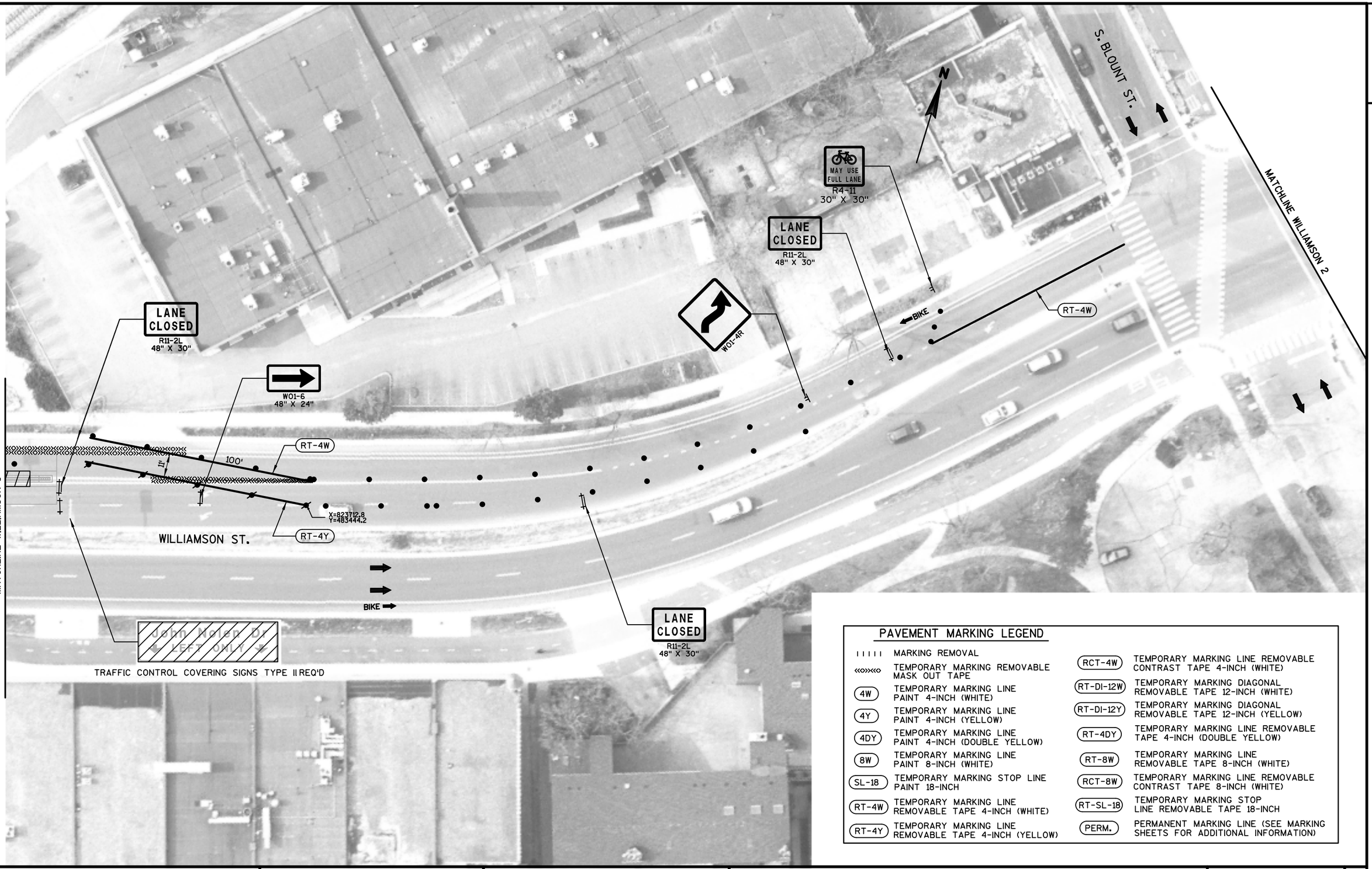
PAVEMENT MARKING LEGEND

	MARKING REMOVAL
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026456_s1D_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 2	SHEET 152	E

2

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N

LANE CLOSED
R11-2L
48" X 30"

RT-4W

125'

(AM PEAK)

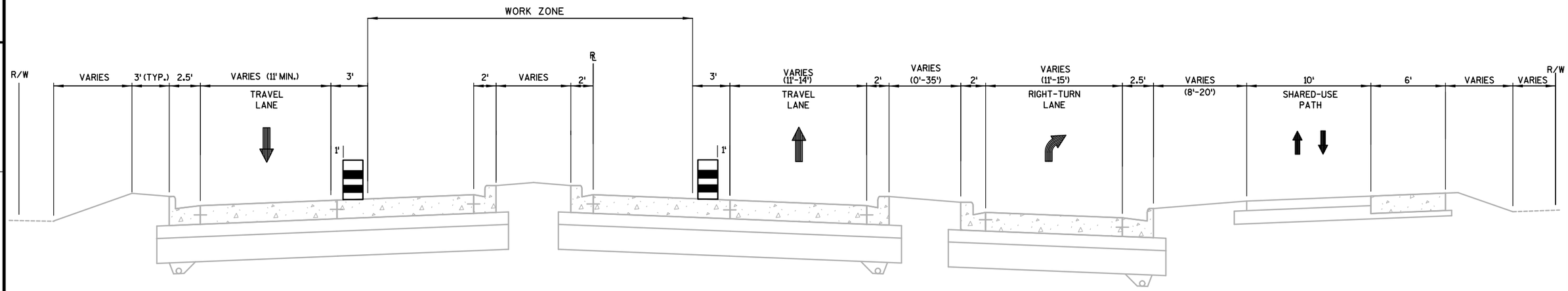
WILLIAMSON ST.

JENIFER ST.

MATCHLINE WILLIAMSON 2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASE 2	SHEET 153	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026459a_s1D_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



CONSTRUCTION STAGE 1E TYPICAL SECTION
JOHN NOLEN DRIVE (USH 151)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1E	SHEET 154	E

2

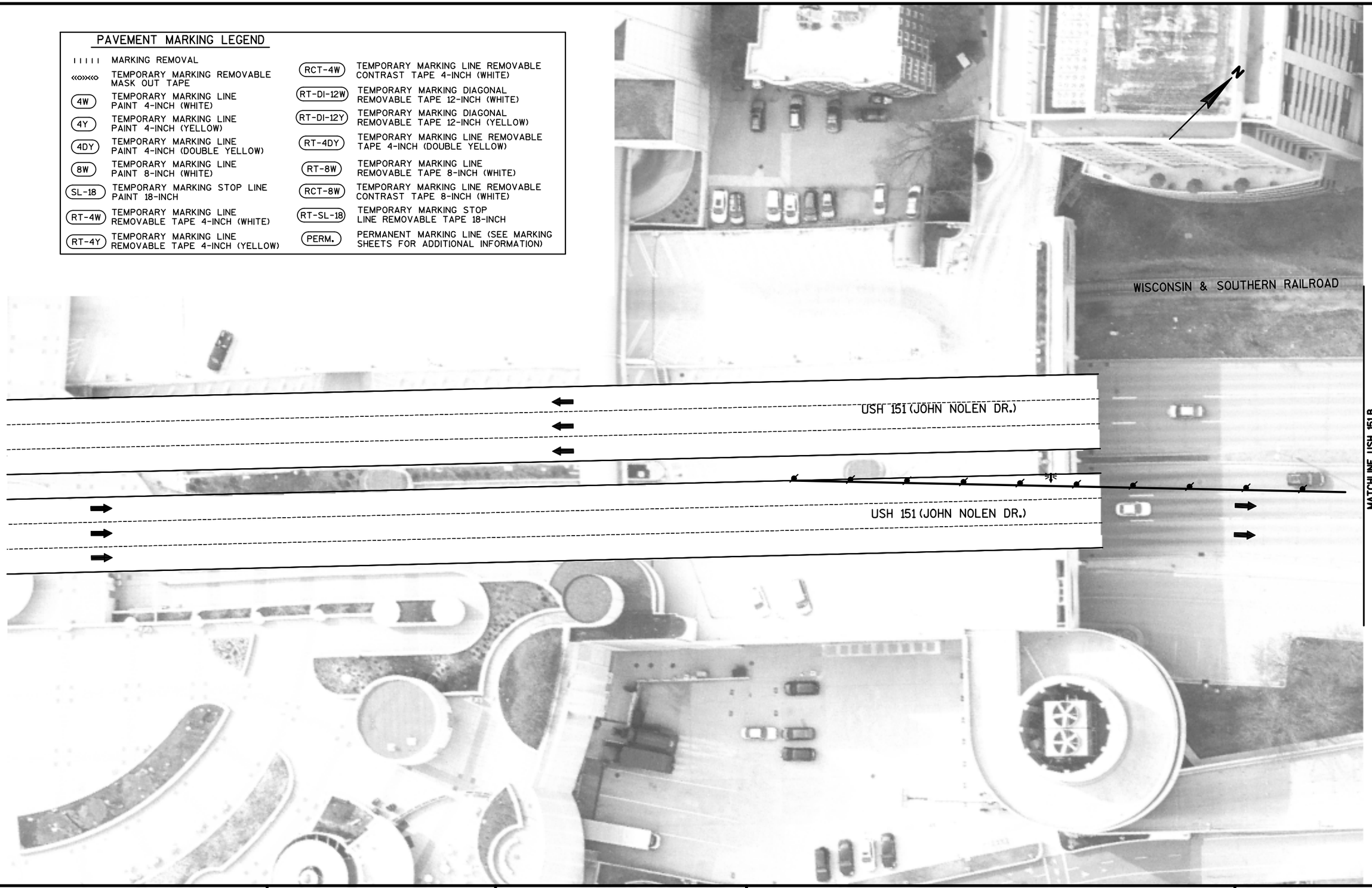


PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT RESTORATION - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026502_s1E_Temp Pavt Restoration.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026503_s1E.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



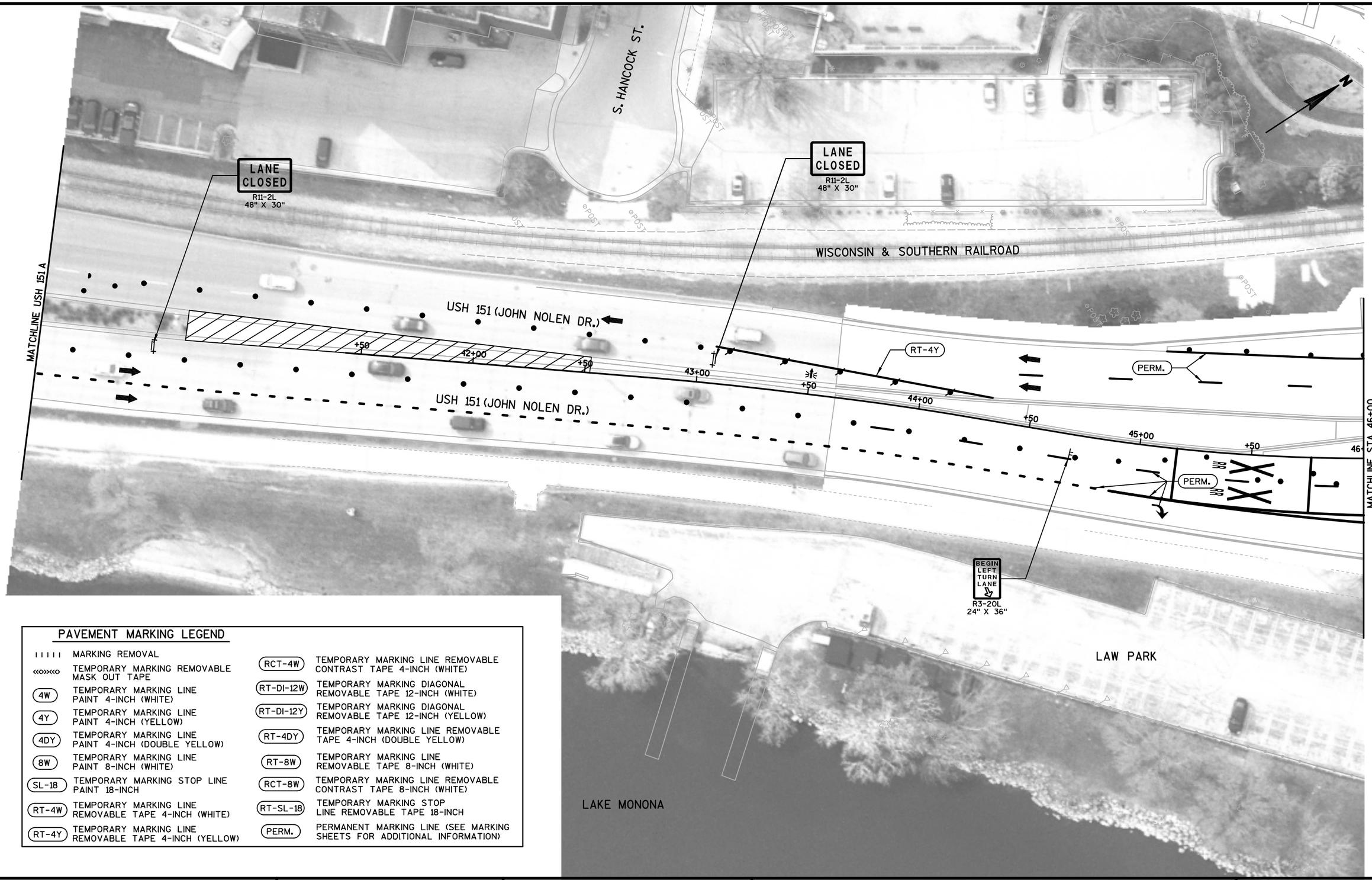
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026504_s1E.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET 158	E

(ALL MARKINGS THIS SHEET UNLESS NOTED OTHERWISE)

PERM.

MATCHLINE E. WILSON 1

E. WILSON ST.

LANE CLOSED
R11-2L
48" X 30"

BIKE

MATCHLINE STA. 46+00

USH 151 (JOHN NOLEN DR.)

47+00

48+00

+50

MATCHLINE - ID 5400-00-73

USH 151 (S. BLAIR ST.)

51+00

WO1-6
48" X 24"

WISCONSIN & SOUTHERN RAILROAD

LANE CLOSED
R11-2L
48" X 30"

LAW PARK

WILLIAMSON ST.

ONLY

N

PAVEMENT MARKING LEGEND

	MARKING REMOVAL
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

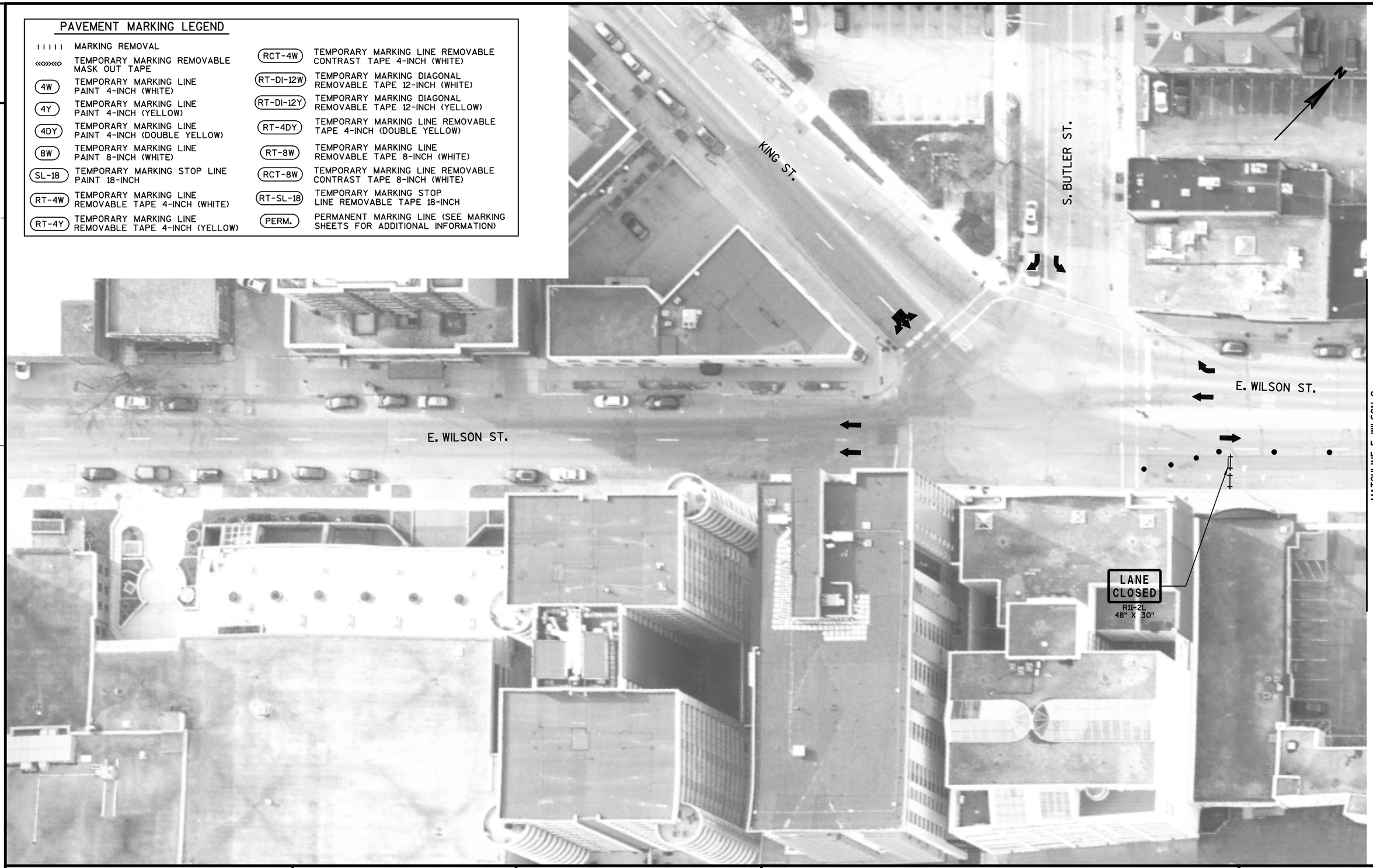
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026506_s1E.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026507_s1E.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ııııı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

2

2

S. HANCOCK ST.

S. FRANKLIN ST.

E. WILSON ST.

MATCHLINE E. WILSON 2

MATCHLINE E. WILSON 1

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

WISCONSIN & SOUTHERN RAILROAD

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\026508_s1E.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

GENERAL NOTES

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

LEGEND

- NORTHBOUND USH 151 ALTERNATE ROUTE
- SOUTHBOUND USH 151 ALTERNATE ROUTE
- TRAFFIC CONTROL SIGN(S) ATTACHED TO WOOD POST OR TEMPORARY SUPPORT
- * STAGE 1B, PHASES 1-3 AND STAGE 1C, PHASE 1 ONLY

①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫
ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	TO	TO	TO
M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M04-1A 24" X 12"	M4-5 24" X 12"	M4-5 24" X 12"	M4-5 24" X 12"
151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"	151 M1-4 24" X 24"
M06-1 21" X 21"	M05-1L 21" X 21"	M05-1R 21" X 21"	M05-2L 21" X 21"	M05-2R 21" X 21"	M06-1 21" X 21"	M06-1 21" X 21"	M06-2 21" X 21"	M06-2 21" X 21"	M05-1L 21" X 21"	M06-1 21" X 21"	M06-1 21" X 21"

N NORTH M3-1 24" X 12"

S SOUTH M3-3 24" X 12"

R11-4(MOD) 60" X 30"
HWY 151/BLAIR ST CLOSED AT WILLIAMSON ST
TYPE III BARRICADE

LAKE MENDOTA
JAMES MADISON PARK
LANGDON ST
PL
W GORHAM ST
E GORHAM ST
WISCONSIN AVE
N HAMILTON ST
N BUTLER ST
N BLAIR ST
N PATERSON ST
E JOHNSON ST
W JOHNSON ST
REGENT ST
W DAYTON ST
E DAYTON ST
N BEDFORD ST
N BASSETT ST
N BROOM ST
N FAIRCHILD ST
N WEBSTER ST
W WASHINGTON AVE
E WASHINGTON AVE
151
STATE CAPITOL
S HENRY ST
S HAMILTON ST
ML KING JR BLVD
W DOTY ST
E DOTY ST
S WEBSTER ST
S BUTLER ST
S BLAIR ST
S PATERSON ST
WORK ZONE
S BEDFORD ST
S BASSETT ST
S BROOM ST
PROUDFIT ST
BRITTINGHAM PARK
W WILSON ST
E WILSON ST
WILLIAMSON ST
NORTH SHORE DR
JOHN NOLEN DR
MONONA BAY
LAW PARK
B B CLARKE PARK
LAKE MONONA

PROJECT NO: 5400-02-72	HWY: USH 151	COUNTY: DANE	ALTERNATE ROUTE SIGNING	SHEET 162	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\027003_dt_Alternate Route Signing.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

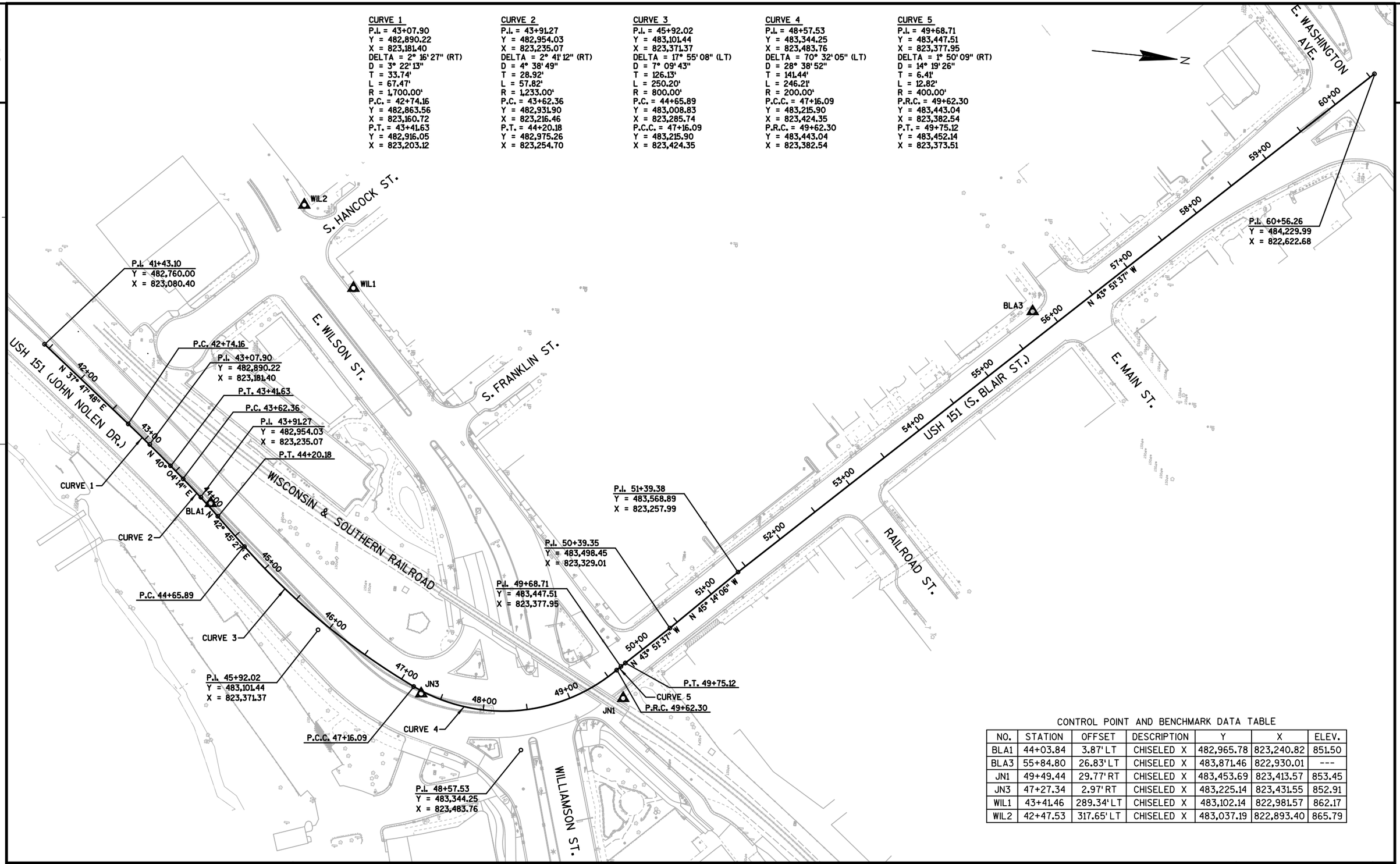
CURVE 1
P.I. = 43+07.90
Y = 482,890.22
X = 823,181.40
DELTA = 2° 16' 27" (RT)
D = 3° 22' 13"
T = 33.74'
L = 67.47'
R = 1,700.00'
P.C. = 42+74.16
Y = 482,863.56
X = 823,160.72
P.T. = 43+41.63
Y = 482,916.05
X = 823,203.12

CURVE 2
P.I. = 43+91.27
Y = 482,954.03
X = 823,235.07
DELTA = 2° 41' 12" (RT)
D = 4° 38' 49"
T = 28.92'
L = 57.82'
R = 1,233.00'
P.C. = 43+62.36
Y = 482,931.90
X = 823,216.46
P.T. = 44+20.18
Y = 482,975.26
X = 823,254.70

CURVE 3
P.I. = 45+92.02
Y = 483,101.44
X = 823,371.37
DELTA = 17° 55' 08" (LT)
D = 7° 09' 43"
T = 126.13'
L = 250.20'
R = 800.00'
P.C. = 44+65.89
Y = 483,008.83
X = 823,285.74
P.C.C. = 47+16.09
Y = 483,215.90
X = 823,424.35

CURVE 4
P.I. = 48+57.53
Y = 483,344.25
X = 823,483.76
DELTA = 70° 32' 05" (LT)
D = 28° 38' 52"
T = 141.44'
L = 246.21'
R = 200.00'
P.C.C. = 47+16.09
Y = 483,215.90
X = 823,424.35
P.R.C. = 49+62.30
Y = 483,443.04
X = 823,382.54

CURVE 5
P.I. = 49+68.71
Y = 483,447.51
X = 823,377.95
DELTA = 1° 50' 09" (RT)
D = 14° 19' 26"
T = 6.41'
L = 12.82'
R = 400.00'
P.R.C. = 49+62.30
Y = 483,443.04
X = 823,382.54
P.T. = 49+75.12
Y = 483,452.14
X = 823,373.51



CONTROL POINT AND BENCHMARK DATA TABLE

NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
BLA1	44+03.84	3.87' LT	CHISELED X	482,965.78	823,240.82	851.50
BLA3	55+84.80	26.83' LT	CHISELED X	483,871.46	822,930.01	---
JN1	49+49.44	29.77' RT	CHISELED X	483,453.69	823,413.57	853.45
JN3	47+27.34	2.97' RT	CHISELED X	483,225.14	823,431.55	852.91
WIL1	43+41.46	289.34' LT	CHISELED X	483,102.14	822,981.57	862.17
WIL2	42+47.53	317.65' LT	CHISELED X	483,037.19	822,893.40	865.79

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\027201_ad.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

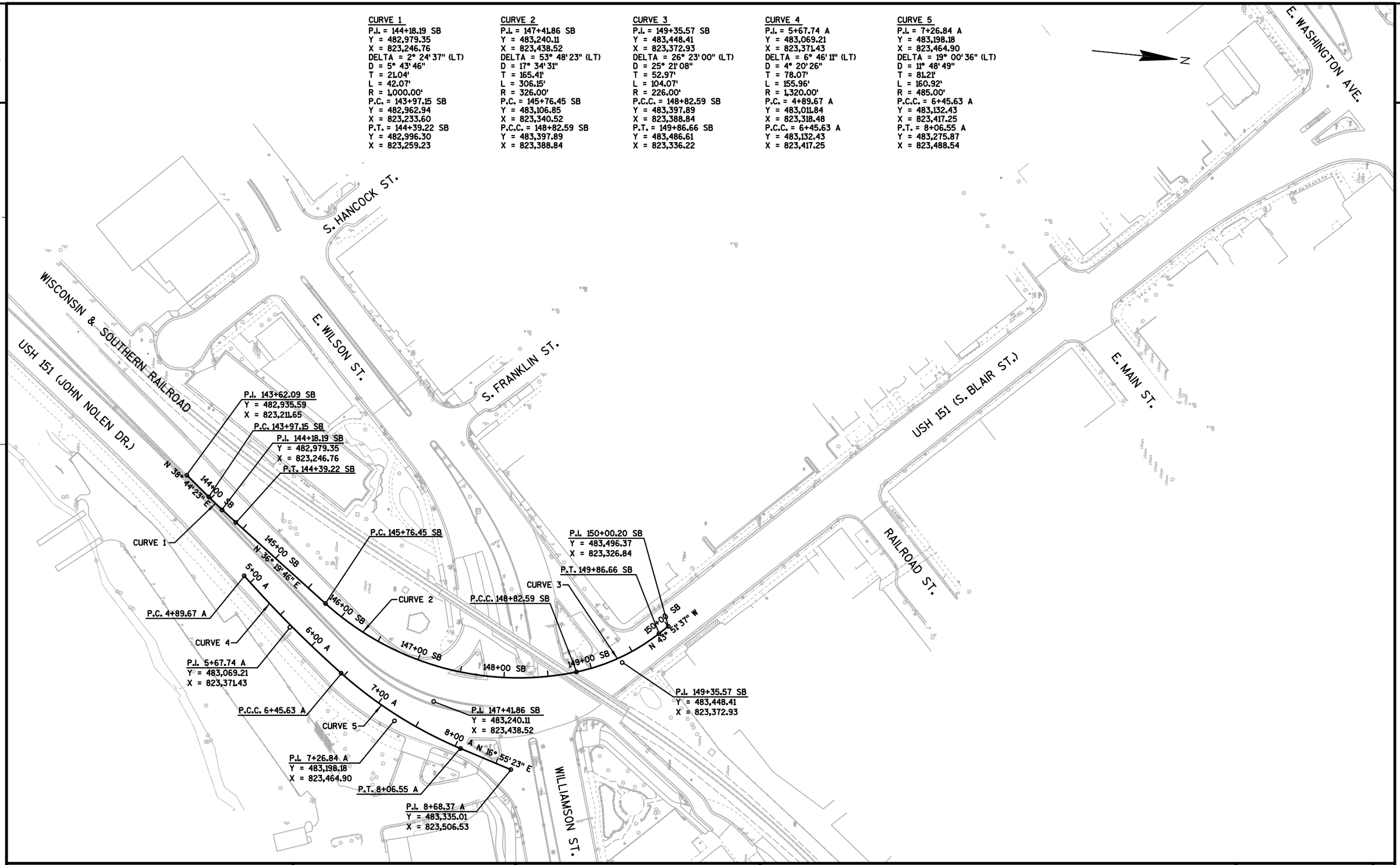
CURVE 1
P.I. = 144+18.19 SB
Y = 482,979.35
X = 823,246.76
DELTA = 2° 24' 37" (LT)
D = 5° 43' 46"
T = 21.04'
L = 42.07'
R = 1,000.00'
P.C. = 143+97.15 SB
Y = 482,962.94
X = 823,233.60
P.T. = 144+39.22 SB
Y = 482,996.30
X = 823,259.23

CURVE 2
P.I. = 147+41.86 SB
Y = 483,240.11
X = 823,438.52
DELTA = 53° 48' 23" (LT)
D = 17° 34' 31"
T = 165.41'
L = 306.15'
R = 326.00'
P.C. = 145+76.45 SB
Y = 483,106.85
X = 823,340.52
P.C.C. = 148+82.59 SB
Y = 483,397.89
X = 823,388.84

CURVE 3
P.I. = 149+35.57 SB
Y = 483,448.41
X = 823,372.93
DELTA = 26° 23' 00" (LT)
D = 25° 21' 08"
T = 52.97'
L = 104.07'
R = 226.00'
P.C.C. = 148+82.59 SB
Y = 483,397.89
X = 823,388.84
P.T. = 149+86.66 SB
Y = 483,486.61
X = 823,336.22

CURVE 4
P.I. = 5+67.74 A
Y = 483,069.21
X = 823,371.43
DELTA = 6° 46' 11" (LT)
D = 4° 20' 26"
T = 78.07'
L = 155.96'
R = 1,320.00'
P.C. = 4+89.67 A
Y = 483,011.84
X = 823,318.48
P.C.C. = 6+45.63 A
Y = 483,132.43
X = 823,417.25

CURVE 5
P.I. = 7+26.84 A
Y = 483,198.18
X = 823,464.90
DELTA = 19° 00' 36" (LT)
D = 11° 48' 49"
T = 81.21'
L = 160.92'
R = 485.00'
P.C.C. = 6+45.63 A
Y = 483,132.43
X = 823,417.25
P.T. = 8+06.55 A
Y = 483,275.87
X = 823,488.54



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	ALIGNMENT DATA - SB LINE AND A LINE	SHEET 164	E

5400-00-72

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	3.000	3.000
0004	201.0120	Clearing	ID	105.000	105.000
0006	201.0205	Grubbing	STA	3.000	3.000
0008	201.0220	Grubbing	ID	105.000	105.000
0010	204.0100	Removing Concrete Pavement	SY	5,909.000	5,909.000
0012	204.0120	Removing Asphaltic Surface Milling	SY	550.000	550.000
0014	204.0150	Removing Curb & Gutter	LF	1,400.000	1,400.000
0016	204.0155	Removing Concrete Sidewalk	SY	876.000	876.000
0018	204.0185	Removing Masonry	CY	4.000	4.000
0020	204.0195	Removing Concrete Bases	EACH	14.000	14.000
0022	204.0210	Removing Manholes	EACH	6.000	6.000
0024	204.0220	Removing Inlets	EACH	15.000	15.000
0026	204.0245	Removing Storm Sewer (size) 01. 12-Inch to 21-Inch	LF	450.000	450.000
0028	204.0245	Removing Storm Sewer (size) 02. 24-Inch to 36-Inch	LF	160.000	160.000
0030	204.0291.S	Abandoning Sewer	CY	0.300	0.300
0032	205.0100	Excavation Common	CY	7,916.000	7,916.000
0034	213.0100	Finishing Roadway (project) 01. 5400-00-72	EACH	1.000	1.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	100.000	100.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	3,069.000	3,069.000
0042	305.0130	Base Aggregate Dense 3-Inch	TON	415.000	415.000
0044	310.0110	Base Aggregate Open-Graded	TON	67.000	67.000
0046	312.0110	Select Crushed Material	TON	6,721.000	6,721.000
0048	405.0200	Coloring Concrete Custom	CY	30.000	30.000
0050	415.0095	Concrete Pavement 9 1/2-Inch	SY	5,310.000	5,310.000
0052	415.0210	Concrete Pavement Gaps	EACH	1.000	1.000
0054	415.1095	Concrete Pavement HES 9 1/2-Inch	SY	100.000	100.000
0056	415.4100	Concrete Pavement Joint Filling	SY	5,310.000	5,310.000
0058	416.0170	Concrete Driveway 7-Inch	SY	100.000	100.000
0060	416.0270	Concrete Driveway HES 7-Inch	SY	100.000	100.000
0062	416.0610	Drilled Tie Bars	EACH	144.000	144.000
0064	416.0620	Drilled Dowel Bars	EACH	45.000	45.000
0066	416.1010	Concrete Surface Drains	CY	1.000	1.000
0068	455.0605	Tack Coat	GAL	111.000	111.000
0070	460.2000	Incentive Density HMA Pavement	DOL	360.000	360.000
0072	460.5224	HMA Pavement 4 LT 58-28 S	TON	56.000	56.000
0078	460.7223	HMA Pavement 3 HT 58-28 S	TON	322.000	322.000
0080	460.7424	HMA Pavement 4 HT 58-28 H	TON	180.000	180.000
0082	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	28.000	28.000
0084	465.0125	Asphaltic Surface Temporary	TON	95.000	95.000
0088	495.1000.S	Cold patch	TON	5.000	5.000
0090	520.8000	Concrete Collars for Pipe	EACH	14.000	14.000
0092	531.2042	Drilling Shaft 42-Inch	LF	23.000	23.000
0094	531.5140	Foundation Single-Shaft Type MC-IV (structure) 01. S-13-566	EACH	1.000	1.000
0100	532.5140	Monotube Cantilever Type IV (structure) 01. S-13-566	EACH	1.000	1.000
0108	602.0410	Concrete Sidewalk 5-Inch	SF	6,800.000	6,800.000
0110	602.0420	Concrete Sidewalk 7-Inch	SF	3,700.000	3,700.000
0112	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	390.000	390.000
0114	602.1000	Concrete Loading Zone	SF	97.000	97.000
0118	603.8000	Concrete Barrier Temporary Precast Delivered	LF	200.000	200.000

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Line	Item	Item Description	Unit	Total	Qty
0120	603.8125	Concrete Barrier Temporary Precast Installed	LF	200.000	200.000
0122	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	384.000	384.000
0124	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	139.000	139.000
0126	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	213.000	213.000
0128	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	10.000	10.000
0130	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	132.000	132.000
0136	611.0535	Manhole Covers Type J-Special	EACH	7.000	7.000
0138	611.0609	Inlet Covers Type B-A	EACH	3.000	3.000
0140	611.0624	Inlet Covers Type H	EACH	9.000	9.000
0142	611.0639	Inlet Covers Type H-S	EACH	15.000	15.000
0144	611.0645	Inlet Covers Type MS-A	EACH	2.000	2.000
0146	611.2003	Manholes 3-FT Diameter	EACH	3.000	3.000
0148	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000
0150	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0152	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000
0154	611.2008	Manholes 8-FT Diameter	EACH	2.000	2.000
0156	611.2044	Manholes 4x4-FT	EACH	2.000	2.000
0158	611.3003	Inlets 3-FT Diameter	EACH	2.000	2.000
0160	611.3004	Inlets 4-FT Diameter	EACH	8.000	8.000
0162	611.3220	Inlets 2x2-FT	EACH	1.000	1.000
0164	611.3230	Inlets 2x3-FT	EACH	12.000	12.000
0166	611.3901	Inlets Median 1 Grate	EACH	2.000	2.000
0168	611.8110	Adjusting Manhole Covers	EACH	7.000	7.000
0170	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0172	611.8120.S	Cover Plates Temporary	EACH	1.000	1.000
0174	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,255.000	1,255.000
0178	614.0905	Crash Cushions Temporary	EACH	1.000	1.000
0180	616.0700.S	Fence Safety	LF	660.000	660.000
0182	618.0100	Maintenance And Repair of Haul Roads (project) 01. 5400-00-72	EACH	1.000	1.000
0186	619.1000	Mobilization	EACH	0.400	0.400
0188	620.0300	Concrete Median Sloped Nose	SF	352.000	352.000
0190	623.0200	Dust Control Surface Treatment	SY	7,390.000	7,390.000
0192	624.0100	Water	MGAL	74.100	74.100
0194	625.0100	Topsoil	SY	2,760.000	2,760.000
0196	627.0200	Mulching	SY	2,760.000	2,760.000
0198	628.1504	Silt Fence	LF	540.000	540.000
0200	628.1520	Silt Fence Maintenance	LF	1,070.000	1,070.000
0202	628.1905	Mobilizations Erosion Control	EACH	21.000	21.000
0204	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0206	628.2006	Erosion Mat Urban Class I Type A	SY	1,075.000	1,075.000
0208	628.7005	Inlet Protection Type A	EACH	35.000	35.000
0210	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0212	628.7015	Inlet Protection Type C	EACH	16.000	16.000
0214	628.7020	Inlet Protection Type D	EACH	33.000	33.000
0216	628.7560	Tracking Pads	EACH	17.000	17.000
0218	629.0210	Fertilizer Type B	CWT	3.400	3.400
0222	630.0140	Seeding Mixture No. 40	LB	19.000	19.000
0224	630.0200	Seeding Temporary	LB	1.600	1.600
0226	630.0300	Seeding Borrow Pit	LB	38.000	38.000

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Line	Item	Item Description	Unit	Total	Qty
0228	630.0500	Seed Water	MGAL	85.300	85.300
0230	631.0300	Sod Water	MGAL	36.600	36.600
0232	631.1000	Sod Lawn	SY	1,630.000	1,630.000
0234	637.2210	Signs Type II Reflective H	SF	268.810	268.810
0236	637.2230	Signs Type II Reflective F	SF	35.210	35.210
0238	638.2102	Moving Signs Type II	EACH	24.000	24.000
0240	638.3000	Removing Small Sign Supports	EACH	16.000	16.000
0242	642.5401	Field Office Type D	EACH	0.500	0.500
0244	643.0300	Traffic Control Drums	DAY	49,617.000	49,617.000
0246	643.0410	Traffic Control Barricades Type II	DAY	2,621.000	2,621.000
0248	643.0420	Traffic Control Barricades Type III	DAY	7,349.000	7,349.000
0250	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	53.000	53.000
0252	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	48.000	48.000
0254	643.0705	Traffic Control Warning Lights Type A	DAY	13,753.000	13,753.000
0256	643.0715	Traffic Control Warning Lights Type C	DAY	6,359.000	6,359.000
0258	643.0800	Traffic Control Arrow Boards	DAY	510.000	510.000
0260	643.0900	Traffic Control Signs	DAY	56,485.000	56,485.000
0264	643.0920	Traffic Control Covering Signs Type II	EACH	9.000	9.000
0266	643.1050	Traffic Control Signs PCMS	DAY	102.000	102.000
0268	643.5000	Traffic Control	EACH	0.500	0.500
0270	644.1410	Temporary Pedestrian Surface Asphalt	SF	405.000	405.000
0272	644.1420	Temporary Pedestrian Surface Plywood	SF	100.000	100.000
0274	644.1430	Temporary Pedestrian Surface Plate	SF	100.000	100.000
0276	644.1601	Temporary Pedestrian Curb Ramp	DAY	447.000	447.000
0278	644.1810	Temporary Pedestrian Barricade	LF	1,980.000	1,980.000
0280	645.0140	Geotextile Type SAS	SY	700.000	700.000
0282	646.1020	Marking Line Epoxy 4-Inch	LF	894.000	894.000
0284	646.3020	Marking Line Epoxy 8-Inch	LF	880.000	880.000
0286	646.5020	Marking Arrow Epoxy	EACH	8.000	8.000
0288	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0290	646.5220	Marking Symbol Epoxy	EACH	5.000	5.000
0292	646.5320	Marking Railroad Crossings Epoxy	EACH	3.000	3.000
0294	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	560.000	560.000
0296	646.8120	Marking Curb Epoxy	LF	29.000	29.000
0298	646.8220	Marking Island Nose Epoxy	EACH	3.000	3.000
0300	646.9000	Marking Removal Line 4-Inch	LF	364.000	364.000
0302	646.9010	Marking Removal Line Water Blasting 4-Inch	LF	119.000	119.000
0306	646.9100	Marking Removal Line 8-Inch	LF	97.000	97.000
0310	646.9200	Marking Removal Line Wide	LF	115.000	115.000
0312	649.0105	Temporary Marking Line Paint 4-Inch	LF	1,737.000	1,737.000
0314	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	5,390.000	5,390.000
0316	649.0155	Temporary Marking Line Removable Contrast Tape 4-Inch	LF	1,660.000	1,660.000
0318	649.0205	Temporary Marking Line Paint 8-Inch	LF	534.000	534.000
0320	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	695.000	695.000
0322	649.0255	Temporary Marking Line Removable Contrast Tape 8-Inch	LF	330.000	330.000
0324	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	26.000	26.000
0326	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	29.000	29.000
0330	649.0960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	1,320.000	1,320.000
0332	649.0970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	810.000	810.000

5400-00-72

Line	Item	Item Description	Unit	Total	Qty
0334	650.4000	Construction Staking Storm Sewer	EACH	36.000	36.000
0336	650.4500	Construction Staking Subgrade	LF	1,690.000	1,690.000
0338	650.5000	Construction Staking Base	LF	295.000	295.000
0340	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	732.000	732.000
0342	650.7000	Construction Staking Concrete Pavement	LF	1,690.000	1,690.000
0344	650.8500	Construction Staking Electrical Installations (project) 01. 5400-00-72	LS	1.000	1.000
0348	650.9000	Construction Staking Curb Ramps	EACH	15.000	15.000
0350	650.9910	Construction Staking Supplemental Control (project) 01. 5400-00-72	LS	1.000	1.000
0354	650.9920	Construction Staking Slope Stakes	LF	910.000	910.000
0356	652.0215	Conduit Rigid Nonmetallic Schedule 40 1 1/4-Inch	LF	315.000	315.000
0358	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	982.000	982.000
0360	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,395.000	1,395.000
0362	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	335.000	335.000
0364	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	540.000	540.000
0366	652.0800	Conduit Loop Detector	LF	455.000	455.000
0370	653.0905	Removing Pull Boxes	EACH	8.000	8.000
0372	655.0230	Cable Traffic Signal 5-14 AWG	LF	2,300.000	2,300.000
0374	655.0240	Cable Traffic Signal 7-14 AWG	LF	615.000	615.000
0376	655.0250	Cable Traffic Signal 9-14 AWG	LF	815.000	815.000
0378	655.0260	Cable Traffic Signal 12-14 AWG	LF	80.000	80.000
0380	655.0615	Electrical Wire Lighting 10 AWG	LF	8,000.000	8,000.000
0382	655.0620	Electrical Wire Lighting 8 AWG	LF	1,223.000	1,223.000
0384	655.0625	Electrical Wire Lighting 6 AWG	LF	3,669.000	3,669.000
0386	655.0800	Loop Detector Wire	LF	1,206.000	1,206.000
0388	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. CB1	LS	1.000	1.000
0390	657.0100	Pedestal Bases	EACH	17.000	17.000
0392	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	17.000	17.000
0394	658.0500	Pedestrian Push Buttons	EACH	17.000	17.000
0396	658.5069	Signal Mounting Hardware (location) 01. CB2	LS	1.000	1.000
0404	690.0150	Sawing Asphalt	LF	1,228.000	1,228.000
0406	690.0250	Sawing Concrete	LF	1,557.000	1,557.000
0408	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	1,593.000	1,593.000
0410	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	1,593.000	1,593.000
0412	801.0117	Railroad Flagging Reimbursement	DOL	57,000.000	57,000.000
0416	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,000.000	1,000.000
0418	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,400.000	1,400.000
0424	SPV.0060	Special 02. Precast Sign Post Base	EACH	19.000	19.000
0426	SPV.0060	Special 03. Sign Post Base for Concrete Installation	EACH	6.000	6.000
0428	SPV.0060	Special 04. Utility Line Opening (ULO)	EACH	9.000	9.000
0430	SPV.0060	Special 05. Storm Sewer Tap	EACH	2.000	2.000
0434	SPV.0060	Special 07. Slurry Backfill	EACH	12.000	12.000
0436	SPV.0060	Special 08. Street Light Removal	EACH	10.000	10.000
0438	SPV.0060	Special 09. Locate and Reference Property Corners	EACH	3.000	3.000
0440	SPV.0060	Special 10. Reset Property Corners	EACH	3.000	3.000
0444	SPV.0060	Special 12. Temporary Traffic Signals John Nolen Drive-South Blair Street	EACH	1.000	1.000
0448	SPV.0060	Special 14. Project Dewatering, ID 5400-00-72	EACH	1.000	1.000
0452	SPV.0060	Special 16. Removing Saddle Inlet	EACH	1.000	1.000
0454	SPV.0060	Special 17. Fluid Thermal Backfill	EACH	3.000	3.000
0492	SPV.0060	Special 50. Lighting Control Cabinet	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0496	SPV.0060	Special 52. Poles 30-FT 11 Gauge, Black TLM	EACH	4.000	4.000
0498	SPV.0060	Special 53. Poles 30-FT 7 Gauge, Black TLM	EACH	3.000	3.000
0504	SPV.0060	Special 56. Poles 20-FT 7 Gauge Black	EACH	2.000	2.000
0508	SPV.0060	Special 58. Electrical Pullbox, Type I	EACH	5.000	5.000
0510	SPV.0060	Special 59. Electrical Pullbox, Type III	EACH	3.000	3.000
0512	SPV.0060	Special 60. Electrical Pullbox, Type V	EACH	5.000	5.000
0514	SPV.0060	Special 61. Electrical Pullbox, Type VII	EACH	4.000	4.000
0516	SPV.0060	Special 62. Concrete Base Type G	EACH	17.000	17.000
0518	SPV.0060	Special 63. Concrete Base Type LB-1	EACH	4.000	4.000
0520	SPV.0060	Special 64. Concrete Base Type LB-3	EACH	4.000	4.000
0522	SPV.0060	Special 65. Concrete Base Type LB-8	EACH	5.000	5.000
0526	SPV.0060	Special 67. Concrete Base Type P	EACH	2.000	2.000
0528	SPV.0060	Special 68. Concrete Base Offset	EACH	1.000	1.000
0530	SPV.0060	Special 69. Transformer Base 16-Inch Steel Black	EACH	7.000	7.000
0534	SPV.0060	Special 71. Traffic Signal Control Cabinet	EACH	1.000	1.000
0536	SPV.0060	Special 72. Traffic Signal Controller	EACH	1.000	1.000
0538	SPV.0060	Special 73. Malfunction Management Unit (MMU)	EACH	1.000	1.000
0540	SPV.0060	Special 74. Traffic Signal Ethernet Switch	EACH	1.000	1.000
0542	SPV.0060	Special 75. Traffic Signal Trombone Arms Aluminum 12-Foot	EACH	1.000	1.000
0544	SPV.0060	Special 76. Traffic Signal Trombone Arms Aluminum 15-Foot	EACH	1.000	1.000
0546	SPV.0060	Special 77. Traffic Signal Trombone Arms Aluminum 18-Foot	EACH	1.000	1.000
0548	SPV.0060	Special 78. Traffic Signal Trombone Arms Aluminum 22-Foot	EACH	3.000	3.000
0550	SPV.0060	Special 79. Traffic Signal Heads 12-Inch, 3-Section	EACH	17.000	17.000
0552	SPV.0060	Special 80. Traffic Signal Heads 12-Inch, 4-Section	EACH	4.000	4.000
0554	SPV.0060	Special 81. Traffic Signal Heads 16-Inch Pedestrian with Countdown	EACH	9.000	9.000
0556	SPV.0060	Special 82. Backplates Signal Face, 3-Section 12-Inch	EACH	17.000	17.000
0558	SPV.0060	Special 83. Backplates Signal Face, 4-Section 12-Inch	EACH	4.000	4.000
0560	SPV.0060	Special 84. Decorative Light Pole	EACH	4.000	4.000
0562	SPV.0060	Special 85. Holophane Washington Decorative Fixture	EACH	4.000	4.000
0564	SPV.0060	Special 86. Cooper Talon Fixture	EACH	7.000	7.000
0566	SPV.0060	Special 87. Optical Signal Preempt	EACH	1.000	1.000
0568	SPV.0060	Special 88. Temporary Lighting	EACH	1.000	1.000
0570	SPV.0090	Special 01. Sign Post	LF	117.000	117.000
0572	SPV.0090	Special 02. Reflective Sign Post	LF	139.000	139.000
0576	SPV.0090	Special 04. Concrete Curb & Gutter 24-Inch Type A Special	LF	1,715.000	1,715.000
0578	SPV.0090	Special 05. Concrete Curb & Gutter 24-Inch Type D Special	LF	78.000	78.000
0580	SPV.0090	Special 06. Concrete Curb & Gutter 30-Inch Type A Special	LF	957.000	957.000
0582	SPV.0090	Special 07. Concrete Curb & Gutter 30-Inch Type D Special	LF	554.000	554.000
0586	SPV.0090	Special 09. Concrete Curb & Gutter 36-Inch Median Type A	LF	81.000	81.000
0588	SPV.0090	Special 10. Concrete Curb & Gutter 36-Inch Median Type D	LF	100.000	100.000
0590	SPV.0090	Special 11. Marking Line Epoxy 6-Inch	LF	719.000	719.000
0592	SPV.0090	Special 12. Marking Crosswalk Epoxy Transverse Line 18-Inch	LF	175.000	175.000
0594	SPV.0090	Special 13. Marking Crosswalk Epoxy Ladder Pattern 18-Inch	LF	130.000	130.000
0596	SPV.0090	Special 14. Marking Stop Line Epoxy 24-Inch	LF	225.000	225.000
0610	SPV.0090	Special 50. Fiber Optic Cable 144-Count	LF	2,555.000	2,555.000
0612	SPV.0090	Special 51. Electrical Wire Lighting 14-3 UF Grounded	LF	324.000	324.000
0614	SPV.0090	Special 52. Loop Detector Lead-In Cable Special	LF	3,750.000	3,750.000
0616	SPV.0165	Special 01. Marking Green High Friction MMA	SF	2,520.000	2,520.000
0618	SPV.0170	Special 01. Pavement Cleanup	STA	24.000	24.000

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Line	Item	Item Description	Unit	Total	Qty
0620	SPV.0180	Special 01. Shredded Hardwood Bark Mulch 3-Inch Depth	SY	130.000	130.000
0622	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Contaminated Soil	TON	2,100.000	2,100.000

CLEARING AND GRUBBING

CATEGORY	STATION	LOCATION	201.0105 CLEARING STA	201.0120 CLEARING ID	201.0205 GRUBBING STA	201.0220 GRUBBING ID
0010	44+00 - 47+00	LT	3	---	3	---
	47+08	RT	---	12	---	12
	47+22	RT	---	12	---	12
	47+26	RT	---	12	---	12
	49+62	RT	---	36	---	36
	49+84	RT	---	18	---	18
	50+22	RT	---	15	---	15
		TOTALS	3	105	3	105

REMOVING CONCRETE PAVEMENT

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	204.0100 SY	REMARKS
0010	STAGE 1B PHASE 1	48+74.62 - 49+33.09	RT/LT	190	ROADWAY
		SUBTOTALS (STAGE 1B PHASE 1)		190	
	STAGE 1B PHASE 2	49+23.93 - 50+39.35	RT	260	ROADWAY
		SUBTOTALS (STAGE 1B PHASE 2)		260	
	STAGE 1C PHASE 1	48+70.51 - 50+39.35	LT	480	ROADWAY
		SUBTOTALS (STAGE 1C PHASE 1)		480	
	STAGE 1C PHASE 2	43+62.25 - 48+29.49	LT	1,300	ROADWAY
		SUBTOTALS (STAGE 1C PHASE 2)		1,300	
	STAGE 1C PHASE 3	48+13.15 - 48+89.63	LT	250	ROADWAY
		SUBTOTALS (STAGE 1C PHASE 3)		250	
	STAGE 1D PHASE 1	43+62.25 - 48+37.88	RT/LT	3,000	ROADWAY
		47+31.36 - 47+60.08	RT	55	DRIVEWAY
		48+00.93 - 48+23.50	RT	100	DRIVEWAY
		SUBTOTALS (STAGE 1D PHASE 1)		3,155	
	STAGE 1D PHASE 2	48+11.97 - 48+74.62	RT/LT	270	ROADWAY
		48+47.03 - 48+55.28	RT	4	MEDIAN NOSE
		SUBTOTALS (STAGE 1D PHASE 2)		274	
		TOTAL		5,909	

REMOVING ASPHALTIC SURFACE MILLING

CATEGORY	STATION - STATION	LOCATION	204.0120 SY
0010	43+62 - 50+39	LT/RT	550

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	*204.0150 LF
0010	43+62 - 50+39	LT/RT	930

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*204.0155 SY
0010	43+62 - 50+39	LT/RT	870

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVING MASONRY

CATEGORY	LOCATION	204.0185 CY	REMARKS
0010	UNDISTRIBUTED	4	FOR REMOVAL OF MISC. ABANDONED STRUCTURES IF ENCOUNTERED

STORM SEWER REMOVAL ITEMS

CATEGORY	STATION - STATION	LOCATION	204.0210* REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	SPV.0060.16 REMOVING SADDLE INLET EACH	204.0245.01 REMOVING STORM SEWER 12-INCH TO 21-INCH LF	204.0245.02 REMOVING STORM SEWER 24-INCH TO 36-INCH LF	204.0291.S ABANDONING SEWER (12-INCH) CY
0010	43+62 - 50+39	LT/RT	1	15	1	450	160	0.3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY WIDENING & CROSSOVER SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	*204.0150 REMOVING CURB & GUTTER LF	*205.0100 EXCAVATION COMMON CY	*204.0155 REMOVING CONCRETE SIDEWALK SY	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	611.8120.S COVER PLATES TEMPORARY EACH	*628.2006 EROSION MAT URBAN CLASS I TYPE A SY	630.0200 SEEDING TEMPORARY LB	*690.0150 SAWING ASPHALT LF	*690.0250 SAWING CONCRETE LF	REMARKS
0010	STAGE 1A	47+88 - 48+22	RT	110	30	---	40	15	1	---	---	---	110	SE QUAD. JOHN NOLEN DR. & WILLIAMSON ST.
	STAGE 1B	48+73 - 49+09	LT/RT	---	20	---	25	9	---	---	---	20	70	USH 151/WILLIAMSON/WILSON INTERSECTION
	STAGE 1C, PHASE 1	40+70 - 42+52	LT/RT	360	90	6	110	45	---	10	0.3	---	370	CROSS-OVER
	STAGE 1C, PHASE 2	46+63 - 47+47	LT	---	35	---	45	20	---	45	1.3	---	---	SW QUAD. JOHN NOLEN DR. & WILSON ST.
	STAGE 1C, PHASE 2	48+12 - 48+33	RT	---	5	---	6	3	---	---	---	---	30	USH 151/WILLIAMSON/WILSON INTERSECTION
	STAGE 1C, PHASE 3	48+33 - 48+76	LT	---	6	---	8	3	---	---	---	---	45	USH 151/WILLIAMSON/WILSON INTERSECTION
	TOTALS			470	186	6	234	95	1	55	1.6	20	625	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVAL QUANTITIES SHOWN ABOVE ARE THOSE THAT ARE IN ADDITION TO THOSE ASSOICATED WITH THE OVERALL PROJECT'S RECONSTRUCTION

WHERE ASPHALTIC SURFACE TEMPORARY IS ABOVE PROPOSED ROADWAY AGGREGATE USE BASE AGGREGATE DENSE FOR THE PERMANENT ROADWAY

EARTHWORK

CATEGORY	STAGE	STATION - STATION	*205.0100 EXCAVATION COMMON (1) CUT (2) CY	*205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) 10% OF CUT CY	SALVAGED PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (4) CY	EXPANDED EBS BACKFILL (5) FACTOR 1.25 CY	UNEXPANDED FILL CY	EXPANDED FILL (6) FACTOR 1.25 CY	MASS ORDINATE +/- (7)	WASTE (8) CY	*312.0110 SELECT CRUSHED MATERIAL (9) TON	*624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 1B PHASE 1	48+74.62 - 49+33.09	200	20	60	140	25	10	13	128	153	44	1
		SUBTOTALS (STAGE 1B PHASE 1)	200	20	60	140	25	10	13	128	153	44	1
	STAGE 1B PHASE 2	49+23.93 - 50+39.35	230	30	70	160	38	20	25	135	173	66	1
		SUBTOTALS (STAGE 1B PHASE 2)	230	30	70	160	38	20	25	135	173	66	1
	STAGE 1C PHASE 1	48+70.51 - 50+39.35	820	60	100	720	75	10	13	708	783	131	2
		SUBTOTALS (STAGE 1C PHASE 1)	820	60	100	720	75	10	13	708	783	131	2
	STAGE 1C PHASE 2	43+62.25 - 48+29.49	2,210	190	310	1,900	238	30	38	1,863	2,100	416	5
		SUBTOTALS (STAGE 1C PHASE 2)	2,210	190	310	1,900	238	30	38	1,863	2,100	416	5
	STAGE 1C PHASE 3	48+13.15 - 48+89.63	450	40	60	390	50	10	13	378	428	88	1
		SUBTOTALS (STAGE 1C PHASE 3)	450	40	60	390	50	10	13	378	428	88	1
	STAGE 1D PHASE 1	99+44.28 - 104+86.50	2,850	270	740	2,110	338	110	138	1,973	2,310	591	7
		SUBTOTALS (STAGE 1D PHASE 1)	2,850	270	740	2,110	338	110	138	1,973	2,310	591	7
	STAGE 1D PHASE 2	99+44.28 - 104+86.50	330	30	80	250	38	20	25	225	263	66	1
		SUBTOTALS (STAGE 1D PHASE 2)	330	30	80	250	38	20	25	225	263	66	1
		TOTALS	7,090	640	1,420	5,670	800	210	263	5,408	6,208	1,401	18
		ITEM TOTALS		7,730									

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4) AVAILABLE MATERIAL = CUT - SALVAGED PAVEMENT MATERIAL.
5) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL EXPANSION FACTOR = 1.25.
6) EXPANDED FILL = (UNEXPANDED FILL)* EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.25.
7) MASS ORDINATE: MASS ORDINATE = CUT - SALVAGED PAVEMENT MATERIAL - EXPANDED FILL
   PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
8) WASTE = MASS ORDINATE + EXPANDED EBS BACKFILL
9) SELECT CRUSHED MATERIAL IS USED FOR BACKFILL OF EBS.

BASE AGGREGATE DENSE

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	*312.0110 SELECT CRUSHED MATERIAL TON	*624.0100 WATER (FOR COMPACTION) MGAL	*624.0100 WATER (FOR DUST CONTROL) MGAL
0010	STAGE 1B PHASE 1	48+74.62 - 49+33.09	RT/LT	8	95	---	210	1.6	0.2
		SUBTOTALS (STAGE 1B PHASE 1)		8	95	0	210	1.6	0.2
	STAGE 1B PHASE 2	49+23.93 - 50+39.35	RT	7	110	---	260	1.7	0.2
		SUBTOTALS (STAGE 1B PHASE 2)		7	110	0	260	1.7	0.2
	STAGE 1C PHASE 1	48+70.51 - 50+39.35	LT	35	260	110	480	6.0	0.5
		SUBTOTALS (STAGE 1C PHASE 1)		35	260	110	480	6.0	0.5
	STAGE 1C PHASE 2	43+62.25 - 48+29.49	LT	10	780	130	1,500	13.9	1.6
		SUBTOTALS (STAGE 1C PHASE 2)		10	780	130	1,500	13.9	1.6
	STAGE 1C PHASE 3	48+13.15 - 48+89.63	LT	---	180	20	280	3.0	0.4
		SUBTOTALS (STAGE 1C PHASE 3)		0	180	20	280	3.0	0.4
	STAGE 1D PHASE 1	43+62.25 - 48+37.88	RT/LT	40	1,250	80	2,300	20.7	2.5
		SUBTOTALS (STAGE 1D PHASE 1)		40	1,250	80	2,300	20.7	2.5
	STAGE 1D PHASE 2	48+11.97 - 48+74.62	RT/LT	---	160	75	290	3.5	0.3
		SUBTOTALS (STAGE 1D PHASE 2)		0	160	75	290	3.5	0.3
		TOTALS		100	2,835	415	5,320	56.1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT ITEMS

CATEGORY	DISCRIPTION	STATION - STATION	LOCATION	415.0095 CONCRETE PAVEMENT 9 1/2-INCH SY	415.1095 CONCRETE PAVEMENT HES 9 1/2-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	416.0620 DRILLED DOWEL BARS EACH
0010	STAGE 1B PHASE 1	48+74.62 - 49+33.09	RT/LT	180	---	180	---
		SUBTOTALS (STAGE 1B PHASE 1)		180	0	180	0
	STAGE 1B PHASE 2	49+23.93 - 50+39.35	RT	260	---	260	---
		SUBTOTALS (STAGE 1B PHASE 2)		260	0	260	0
	STAGE 1C PHASE 1	48+70.51 - 50+39.35	LT	400	---	400	---
		SUBTOTALS (STAGE 1C PHASE 1)		400	0	400	0
	STAGE 1C PHASE 2	43+62.25 - 48+29.49	LT	1,500	---	1,500	20
		SUBTOTALS (STAGE 1C PHASE 2)		1,500	0	1,500	20
	STAGE 1C PHASE 3	48+13.15 - 48+89.63	LT	250	---	250	---
		SUBTOTALS (STAGE 1C PHASE 3)		250	0	250	0
	STAGE 1D PHASE 1	43+62.25 - 48+37.88	RT/LT	2,450	---	2,450	25
		SUBTOTALS (STAGE 1D PHASE 1)		2,450	0	2,450	25
	STAGE 1D PHASE 2	48+11.97 - 48+74.62	RT/LT	270	---	270	---
		SUBTOTALS (STAGE 1D PHASE 2)		270	0	270	0
		UNDISTRIBUTED		---	100	---	---
		TOTALS		5,310	100	5,310	45

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT GAPS

CATEGORY	LOCATION	415.0210 EACH
0010	MACHINERY ROW ACCESS	1

CONCRETE DRIVEWAY ITEMS

CATEGORY	STATION	OFFSET	416.0170 7-INCH SY	416.0270 HES 7-INCH SY
0010	47+52	RT	100	100

CONCRETE SURFACE DRAINS

CATEGORY	STATION	OFFSET	416.1010 CY
0010	148+67 SB	LT	1

COLD PATCH

CATEGORY	LOCATION	495.1000.S TON	REMARKS
0010	UNDISTRIBUTED	5	FOR PATCHING EXISTING PAVEMENT DURING CONSTRUCTION

ASPHALTIC ITEMS

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	460.7424 HMA PAVEMENT 4 HT 58-28 H TON	460.7223 HMA PAVEMENT 3 HT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON
0010	STAGE 1B PHASE 1	48+74.62 - 49+33.09	RT/LT	8	3	11	32	---
		SUBTOTALS (STAGE 1B PHASE 1)		8	3	11	32	0
	STAGE 1B PHASE 2	49+23.93 - 50+39.35	RT	4	---	6	18	---
		SUBTOTALS (STAGE 1B PHASE 2)		4	0	6	18	0
	STAGE 1C PHASE 1	48+70.51 - 50+39.35	LT	24	---	40	69	---
		SUBTOTALS (STAGE 1C PHASE 1)		24	0	40	69	0
	STAGE 1C PHASE 2	43+62.25 - 48+29.49	LT	30	24	49	80	---
		SUBTOTALS (STAGE 1C PHASE 2)		30	24	49	80	0
	STAGE 1C PHASE 3	48+13.15 - 48+89.63	LT	14	---	23	49	---
		SUBTOTALS (STAGE 1C PHASE 3)		14	0	23	49	0
	STAGE 1D PHASE 1	43+62.25 - 48+37.88	RT/LT	7	29	8	23	28
		SUBTOTALS (STAGE 1D PHASE 1)		7	29	8	23	28
	STAGE 1D PHASE 2	48+11.97 - 48+74.62	RT/LT	24	---	43	51	---
		SUBTOTALS (STAGE 1D PHASE 2)		24	0	43	51	0
		TOTALS		111	56	180	322	28

NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

CURB & GUTTER

CATEGORY	DESCRIPTION	STATION - STATION	LOCATION	*SPV.0090.04 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	SPV.0090.05 CONCRETE CURB & GUTTER 24-INCH TYPE D SPECIAL LF	SPV.0090.06 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.07 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	SPV.0090.09 CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE A LF	SPV.0090.10 CONCRETE CURB & GUTTER 36-INCH MEDIAN TYPE D LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	602.1000 CONCRETE LOADING ZONE SF
0010	STAGE 1B PHASE 1	48+74.62 - 49+33.09	RT/LT	---	---	---	28	---	---	28	---
		SUBTOTALS (STAGE 1B PHASE 1)		0	0	0	28	0	0	28	0
	STAGE 1B PHASE 2	49+23.93 - 50+39.35	RT	92	---	---	---	---	---	0	97
		SUBTOTALS (STAGE 1B PHASE 2)		92	0	0	0	0	0	0	97
	STAGE 1C PHASE 1	48+70.51 - 50+39.35	LT	63	---	47	235	---	---	235	---
		SUBTOTALS (STAGE 1C PHASE 1)		63	0	47	235	0	0	235	0
	STAGE 1C PHASE 2	43+62.25 - 48+29.49	LT	445	---	345	205	---	---	205	---
		SUBTOTALS (STAGE 1C PHASE 2)		445	0	345	205	0	0	205	0
	STAGE 1C PHASE 3	48+13.15 - 48+89.63	LT	---	35	---	---	---	---	35	---
		SUBTOTALS (STAGE 1C PHASE 3)		0	35	0	0	0	0	35	0
	STAGE 1D PHASE 1	43+62.25 - 48+37.88	RT/LT	755	---	510	52	---	---	52	---
		SUBTOTALS (STAGE 1D PHASE 1)		755	0	510	52	0	0	52	0
	STAGE 1D PHASE 2	48+11.97 - 48+74.62	RT/LT	---	43	---	---	---	100	143	---
		SUBTOTALS (STAGE 1D PHASE 2)		0	43	0	0	0	100	143	0
	STAGE 1E	48+11.97 - 48+74.62	RT/LT	---	---	55	34	81	---	34	---
		SUBTOTALS (STAGE 1D PHASE 2)		0	0	55	34	81	0	34	0
		TOTALS		1,355	78	957	554	81	100	732	97

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF
0010	43+62 - 50+39	LT/RT	4,750	3,700

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

COLORED CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	*602.0410 CONCRETE SIDEWALK 5-INCH SF	405.0200 COLORING CONCRETE CUSTOM CY
0010	74+97.07 - 81+00	RT/LT	2,000	30

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TEMPORARY WIDENING & CROSSOVER RESTORATION SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	*SPV.0090.04 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	*602.0410 CONCRETE SIDEWALK 5-INCH SF	416.0610 DRILLED TIE BARS EACH	*625.0100 TOPSOIL SY	SPV.0180.01 SHREDDED HARDWOOD BARK MULCH 3-INCH DEPTH SY	REMARKS
0010	STAGE 1E	40+70 - 42+52	LT/RT	360	50	144	130	130	CROSS-OVER; BUILT STAGE 1C, PHASE 1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

RESTORATION QUANTITIES SHOWN ABOVE ARE THOSE THAT ARE OUTSIDE THE PROJECT'S RECONSTRUCTION LIMITS

ADJUSTING STORM SEWER ITEMS

CATEGORY	STATION - STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
0010	43+62 - 50+39	LT/RT	7	2

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION - STATION	LOCATION	602.0515 SF
0010	43+62 - 50+39	LT/RT	390

FENCE SAFETY

CATEGORY	STATION - STATION	616.0700.S LF	REMARKS
0010	43+62 - 50+39	160	TREE PROTECTION
	UNDISTRIBUTED	500	
	TOTAL	660	

DUST CONTROL SURFACE TREATMENT

CATEGORY	PROJECT	623.0200 SY
0010	5400-00-72	7,390

PIPE UNDERDRAIN SUMMARY

CATEGORY	STATION - STATION	LOCATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	645.0140 GEOTEXTILE TYPE SAS SY	310.0110 BASE AGGREGATE OPEN-GRADED TON
0010	44+14 - 45+60	RT	150	85	8
	44+16 - 46+04	LT	180	100	10
	45+63 - 46+39	LT	75	40	4
	E. WILSON ST. SOUTH SIDE	---	110	65	6
	48+08 - 48+91	LT	75	40	4
	E. WILSON ST. NORTH SIDE	---	130	70	7
	49+19 - 49+48	LT	30	15	2
	49+42 - 49+49	RT	30	15	2
	49+52 - 50+30	RT	80	45	4
	49+53 - 50+40	LT	90	50	5
	49+55 - 50+40	LT	95	55	5
	UNDISTRIBUTED	RT	210	120	10
	TOTALS		1,255	700	67

			STORM SEWER						
			608.0412	608.0415	608.0418	608.0424	608.2419	520.8000	SPV.0060.05
			STORM SEWER PIPE REINFORCED CONCRETE CLASS IV				HORIZONTAL ELLIPTICAL CLASS HE-IV	CONCRETE COLLARS	STORM SEWER
CATEGORY	FROM STRUCTURE	TO STRUCTURE	12-INCH LF	15-INCH LF	18-INCH LF	24-INCH LF	19X30-INCH LF	FOR PIPE EACH	TAP EACH
0010	C-1	-	---	---	---	---	---	1	---
	100-A	C-1	---	---	---	---	6	---	---
	100-B	100-A	74	---	---	---	---	---	---
	100-C	100-A	---	---	---	---	14	---	---
	100-D	100-C	---	---	---	---	28	---	---
	100-E	100-D	10	---	---	---	---	---	---
	100-F	100-D	31	---	---	---	---	---	---
	100-G	100-F	10	---	---	---	---	---	---
	C-2	100-D	---	---	---	---	10	1	---
	C-3	-	---	---	---	---	---	1	---
	110	C-3	---	6	---	---	---	---	---
	110-A	110	---	71	---	---	---	---	---
	110-B	110-A	18	---	---	---	---	---	---
	110-C	110-B	5	---	---	---	---	---	---
	C-4	-	---	---	---	---	---	1	---
	115-A	C-4	6	---	---	---	---	---	---
	115-B	115-A	12	---	---	---	---	---	---
	120	-	---	---	---	---	---	1	1
	120-A	120	---	13	---	---	---	---	---
	120-B	120-A	52	---	---	---	---	---	---
	120-C	120-B	32	---	---	---	---	---	---
	120-D	120-A	16	---	---	---	---	---	---
	125	-	---	---	---	---	---	1	1
	125-A	125	21	---	---	---	---	---	---
	125-B	125-A	25	---	---	---	---	---	---
	C-9	-	---	---	---	---	---	2	---
	130	C-9	---	---	10	---	---	---	---
	130	C-9	---	---	---	10	---	---	---
	130-A	130	---	---	26	---	---	---	---
	130-B	130-A	---	13	---	---	---	---	---
	130-C	130-B	---	30	---	---	---	---	---
	130-D	130-C	11	---	---	---	---	---	---
	C-10	145	---	---	6	---	---	1	---
	145	130	---	---	40	---	---	---	---
	135	130	---	---	42	---	---	---	---
	135	130	---	---	---	---	42	---	---
	135-A	135	---	---	---	---	32	---	---
	C-12	135-A	---	---	10	---	---	1	---
	135-B	135-A	15	---	---	---	---	---	---
	C-13	135-B	6	---	---	---	---	1	---
	C-14	-	---	---	---	---	---	1	---
	135-C	C-14	6	---	---	---	---	---	---
	135-D	135-C	18	---	---	---	---	---	---
	140	135	---	---	31	---	---	---	---
	140-A	140	---	---	28	---	---	---	---
	140-B	140-A	---	---	10	---	---	---	---
	140-C	140-B	---	---	10	---	---	---	---
	C-11	140-C	6	---	---	---	---	1	---
	C-15	-	---	---	---	---	---	1	---
	150-A	C-15	---	6	---	---	---	---	---
	150-B	150-A	10	---	---	---	---	---	---
TOTALS			384	139	213	10	132	14	2

INLETS, MANHOLES, TEES, PLUGS, MANHOLE COVERS, AND INLET COVERS

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.2044 MANHOLES 4x4-FT EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3220 INLETS 2x2-FT EACH	611.3230 INLETS 2x3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0609 INLET COVERS TYPE B-A EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0645 INLET COVERS TYPE MS-A EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	C-1	44+88.06	4.5' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	100-A	44+88.45	1.5' LT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
	100-B	45+63.02	4.5' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	1
	100-C	144+91.67	1.5' RT	---	---	---	---	---	1	---	---	---	---	---	---	---	---	1	---	1
	100-D	144+94.04	26.6' LT	---	---	1	---	---	---	---	---	---	---	---	---	---	---	1	---	1
	100-E	144+84.05	26.2' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	100-F	145+24.80	30.7' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	100-G	145+34.72	32.0' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	C-2	144+96.09	36.4' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	C-3	7+54.63	29.8' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	110	7+49.20	28.1' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	110-A	6+82.71	16.5' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	1
	110-B	6+82.71	1.5' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	1
	110-C	46+76.11	28.7' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	1
	C-4	7+81.70	86.1' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	115-A	7+85.51	90.1' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	115-B	7+92.88	98.0' RT	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	---	1
	120	47+99.33	41.6' RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	120-A	47+91.56	32.4' RT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	120-B	47+74.51	16.4' LT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	120-C	48+08.14	26.0' LT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	120-D	8+06.55	1.5' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	1	---	---	1
	125	48+66.55	6.8' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	125-A	48+68.82	14.0' RT	1	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	125-B	48+51.05	30.0' RT	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	---	1
	C-9	148+89.09	3.8' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	130	148+98.38	8.0' LT	---	---	---	---	1	---	---	---	---	---	---	1	---	---	---	---	1
	130	148+98.38	8.0' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	130-A	49+41.98	1.5' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	1
	130-B	49+55.00	1.5' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	1
	130-C	49+55.00	28.4' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	130-D	49+65.00	27.9' RT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	C-10	148+63.73	41.7' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	145	148+68.35	37.3' LT	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	135	149+39.08	26.7' LT	---	---	---	---	1	---	---	---	---	---	---	---	---	---	1	---	1
	135	149+39.08	26.7' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	135-A	149+31.57	58.0' LT	---	---	---	1	---	---	---	---	---	---	---	1	---	---	---	---	1
	C-12	149+27.80	67.7' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	135-B	149+13.41	65.6' LT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	1
	C-13	149+05.77	68.2' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	C-14	148+81.08	75.2' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	135-C	148+73.63	77.0' LT	---	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	1
	135-D	148+63.39	93.6' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	140	149+72.49	18.8' LT	---	1	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1
	140-A	50+40.71	26.5' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	140-B	50+50.70	26.2' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	1
	140-C	50+60.70	25.9' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	1	---	---	1
	C-11	50+66.69	26.2' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	C-15	147+29.32	108.5' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	150-A	147+20.36	109.1' LT	---	---	---	---	---	---	---	1	---	---	---	---	---	---	1	---	1
	150-B	147+13.02	117.9' LT	---	---	---	---	---	---	---	---	---	1	---	---	---	---	1	---	1
	TOTALS			3	2	1	1	2	2	2	8	1	12	2	7	3	9	15	2	36

SILT FENCE SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	43+62 - 50+39	LT/RT	430	860
	UNDISTRIBUTED		110	210
	TOTALS		540	1,070

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	5992-09-14	21	6

EROSION MAT URBAN CLASS I TYPE A

CATEGORY	STATION - STATION	LOCATION	*628.2006 SY
0010	74+97.07 - 81+00	RT/LT	820
	UNDISTRIBUTED	RT/LT	200
	TOTAL		1,020

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	*625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL	630.0300 SEEDING BORROW PIT LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	43+62.36 - 50+39.35	LT/RT	2,100	---	1.3	15	18.3	---	29.3	1,300
	WASTE SITE	---	---	2,200	1.4	---	49.9	30	---	---
	UNDISTRIBUTED	---	530	560	0.7	4	17.1	8	7.3	330
	TOTALS		2,630	2,760	3.4	19	85.3	38	36.6	1,630

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	5400-00-72	0.5

INLET PROTECTION SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	43+62 - 50+39	LT/RT	28	1	13	26
	UNDISTRIBUTED	---	7	---	3	7
	TOTALS		35	1	16	33

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	WASTE SITE	1
	STAGE 1B PHASE 1	2
	STAGE 1B PHASE 2	2
	STAGE 1C PHASE 1	2
	STAGE 1C PHASE 2	2
	STAGE 1C PHASE 3	2
	STAGE 1D PHASE 1	2
	STAGE 1D PHASE 2	2
	UNDISTRIBUTED	2
	TOTAL	17

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	OFFSET	620.0300 SF	REMARKS
0010	46+71	RT	48	TYPE 1
	47+58	RT	74	TYPE 2
	47+80	RT	18	TYPE 2
	48+08	LT	59	TYPE 2
	48+23	RT	15	TYPE 2
	48+51	RT	85	TYPE 1
	49+04	LT	53	TYPE 2
		TOTAL	352	

MOVING/REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	SIGN CODE	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	*638.2102 MOVING SIGNS TYPE II EACH	DESCRIPTION	REMARKS
0010	E1-4	W10-1, W10-1A	1	---	RAILROAD CROSSING;EXEMPT	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E1-10	---	---	1	FREIGHT ENTRANCE LEFT LANE	INSTALL ON NEW LIGHT POLE AT 44+75 LT
	E2-1	W11-2	1	3	VEHICLE CROSSING WARNING; SLOW; DRIVEWAY CROSSINGS	MOVE SIGNS; POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-2	R7-1D	1	---	NO PARKING ANY TIME	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-4	R	1	---	BIKE LANE	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-5	R7-1D	1	---	NO PARKING ANY TIME	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-6	R7-1D	1	---	NO PARKING ANY TIME	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-7	R1-1;R6-2R	1	3	STOP; ONE WAY; PATH CROSSING	MOVE SIGNS; POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-8	---	1	5	CAPITAL CITY PATH; LAKE LOOP; BIKE ROUTE SIGNS	MOVE SIGNS; POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-9	R10-11B	---	---	NO TURN ON RED	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-10	W12-1D	1	---	DOUBLE DOWN ARROW	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-11	R1-1;R6-2R	1	---	STOP; ONE WAY; PATH CROSSING	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-13A	D1-1	---	1	MACHINERY ROW PATH	MOVE TO NEW POST
	E2-13B	R1-2	1	---	YIELD	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-17A	R10-11B	---	---	NO TURN ON RED	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-19	R10-11B	---	---	NO TURN ON RED	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-20	D1-1	---	2	E WILSON ST OVERHEAD STREET NAME SIGNS	MOVE TO NEW SIGNAL POLE
	E2-21	D1-1	---	2	CAPITAL CITY TRAIL SIGNS	MOVE TO NEW POST; ON EXISTING SIGNAL POLE
	E2-22A	D1-1	---	2	E WILSON ST AND S BLAIR ST STREET NAME SIGNS	MOVE TO NEW POST
	E2-22B	R7-1D	---	---	NO PARKING ANY TIME	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E2-23	D9-2	---	---	HOSPITAL PLAQUE AND TILT RIGHT ARROW	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-24	J2-1	---	---	SOUTH USH 151 TILT RIGHT ARROW	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-25	---	1	2	TRUCK ROUTE; DIRECTIONAL ARROWS	MOVE TO NEW POST; REMOVE SIGN POST BASE
	E2-26	R6-2L	---	---	ONE WAY	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-27	R6-2R	---	---	ONE WAY	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-28	R10-11B	---	---	NO TURN ON RED	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-29	R10-11B	---	---	NO TURN ON RED	REMOVED BY OTHERS; ON EXISTING SIGNAL POLE
	E2-32	R7-1D	---	---	NO PARKING ANY TIME	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E2-33	R1-2	---	---	YIELD	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E2-34	R1-2	1	---	YIELD	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-35	R7-1D	1	---	NO PARKING ANY TIME	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-36	R7-1D	---	---	NO PARKING ANY TIME	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E2-39	R10-6, W12-1D	1	---	STOP HERE ON RED; DOUBLE DOWN ARROW	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-40A	D1-1	---	1	JOHN NOLEN DR	MOVE SIGN TO NEW SIGNAL POLE
	E2-40B	R1-1	1	---	STOP SIGN	SIGN AND POST REMOVED BY OTHERS; REMOVE SIGN POST BASE
	E2-41	R7-1D	---	---	NO PARKING ANY TIME	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E2-42	J4-1;R7-4D	---	---	SOUTH USH 151 REASSUARANCE ASSEMBLY; NO STOPPING STANDING OR PARKING	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E3-1	---	---	---	MADISON METRO BUS	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	E3-2	W10-1; W10-1A	---	---	RAILROAD CROSSING;EXEMPT	REMOVED BY OTHERS; ON EXISTING LIGHT POLE
	TOTALS		16	22		

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	SPV.0060.03 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.02 PRECAST SIGN POST BASE EACH	SPV.0090.01 SIGN POST LF	SPV.0090.02 REFLECTIVE SIGN POST LF	REMARKS
0010	1 - 1	44+68	MEDIAN	D1-2	E WILSON ST LT ARROW; WILLIAMSON ST RT ARROW	90 x 30	18.75	---	---	3	---	30	
	1 - 2	45+20	MEDIAN	W10-1	RAILROAD CROSSING	36 x 36	---	7.07	---	---	---	---	INSTALL ON SIGN STRUCTURE S-13-566
	1 - 3	45+20	MEDIAN	W10-1A	EXEMPT (SEE R 15-3 ALSO)	24 x 12	---	2.00	---	---	---	---	INSTALL ON SIGN STRUCTURE S-13-566 BELOW SIGN 1-2
	1 - 4	45+45	MEDIAN	R3-20L	BEGIN LEFT TURN LANE WITH DOWN RIGHT ARROW	24 x 36	6.00	---	---	1	---	11	
	1 - 5	45+20	MEDIAN	---	TO IH39/94; E WASHINGTON AVE	120 x 60	50.00	---	---	---	---	---	INSTALL ON SIGN STRUCTURE S-13-566
	1 - 6	45+20	RT	W10-1	RAILROAD CROSSING	36 x 36	---	7.07	---	1	---	11	
	1 - 7	45+20	RT	W10-1A	EXEMPT (SEE R 15-3 ALSO)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 1-6
	1 - 8	45+70	RT	R5-1A	WRONG WAY	36 x 24	6.00	---	---	---	---	---	INSTALL ON EXISTING OVERHEAD SIGN SUPPORT
	1 - 9	41+40	RT	R3-7R	RIGHT LANE MUST TURN RIGHT	30 x 30	6.25	---	---	1	---	10	
	E1 - 10	44+75	LT	---	FREIGHT ENTRANCE LEFT LANE	--- x ---	---	---	---	---	---	---	MOVE EXISTING SIGN AND INSTALL ON PROPOSED LIGHT POLE
	2 - 1	46+75	RT	W12-1D	DOUBLE DOWN ARROWS	24 x 24	---	4.00	1	---	---	6	
	2 - 2	47+40	RT	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.00	---	1	---	---	10	
	2 - 3	47+25	RT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	---	---	INSTALL ON EXISTING LIGHT POLE
	2 - 4	47+85	RT	W12-1D	DOUBLE DOWN ARROWS	24 x 24	---	4.00	1	---	---	6	
	2 - 5	47+85	RT	R10-11B	NO TURN ON RED	24 x 24	4.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 6	47+97	RT	R5-1	DO NOT ENTER	30 x 30	6.25	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 7	47+60	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	10	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND SIGN POST. SIGN PROVIDED AND INSTALLED BY OTHERS.
	2 - 8	48+15	RT	R15-3	EXEMPT (SEE W10-1A ALSO)	24 x 12	2.00	---	---	---	---	---	INSTALL ON RAILROAD SIGNAL
	2 - 9	48+22	RT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 10	47+60	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL ON SAME POST AS SIGN 2-18
	2 - 11	47+90	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 12	47+54	MEDIAN	R10-11B	NO TURN ON RED	24 x 24	4.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 13	48+00	MEDIAN	R4-7	KEEP RIGHT	24 x 30	5.00	---	1	---	---	10	
	2 - 14	48+52	RT	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	---	---	---	INSTALL ON EXISTING SIGNAL POLE
	2 - 15	47+85	MEDIAN	M1-94H	WILLIAMSON ST LT ARROW	90 x 18	11.25	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL ARM
	2 - 16	46+62	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE. SIGN PROVIDED AND INSTALLED BY OTHERS.
	2 - 17	46+62	LT	J4-1	REASSURANCE ASSEMBLY (SOUTH USH 151)	24 x 36	6.00	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	2 - 18	47+60	MEDIAN	J3-1	DIRECTIONAL ASSEMBLY (SOUTH USH 151 RIGHT)	24 x 57	9.50	---	---	1	---	12	
	2 - 19	47+20	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 20	E. WILSON	RT	R10-11B	NO TURN ON RED	24 x 24	4.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 21	E. WILSON	MEDIAN	R15-3	EXEMPT (SEE W10-1A ALSO)	24 x 12	2.00	---	---	---	---	---	INSTALL ON RAILROAD SIGNAL
	2 - 22	48+60	LT	R4-7	KEEP RIGHT	24 x 30	5.00	---	---	1	11	---	
	2 - 23	48+60	LT	R3-4	NO UTURN SYMBOL	24 x 24	4.00	---	---	---	---	---	INSTALL BELOW SIGN 2-22
	2 - 24	49+40	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL ON EXISTING SIGNAL POLE
	2 - 25	49+65	LT	R15-3	EXEMPT (SEE W10-1A ALSO)	24 x 12	2.00	---	---	---	---	---	INSTALL ON RAILROAD SIGNAL
	2 - 26	49+70	LT	R10-11B	NO TURN ON RED	24 x 24	4.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 27	WILLIAMSON	MEDIAN	J3-1	DIRECTIONAL ASSEMBLY (SOUTH USH 151 LEFT)	24 x 57	9.50	---	---	---	---	---	INSTALL ON EXISTING OVERHEAD SIGN SUPPORT
	2 - 28	49+75	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	1	---	10	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND REFLECTIVE SIGN POST. SIGN PROVIDED AND INSTALLED BY OTHERS.
	2 - 29	49+02	RT	J3-1	DIRECTIONAL ASSEMBLY (NORTH USH 151 LEFT)	24 x 57	9.50	---	1	---	---	12	
	2 - 30	48+98	RT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 31	WILLIAMSON	RT	R15-3	EXEMPT (SEE W10-1A ALSO)	24 x 12	2.00	---	---	---	---	---	INSTALL ON RAILROAD SIGNAL
	2 - 32	WILLIAMSON	RT	R10-11B	NO TURN ON RED	18 x 24	3.00	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	2 - 33	WILLIAMSON	RT	R14-1	TRUCK ROUTE	24 x 18	3.00	---	---	---	---	---	INSTALL ON EXISTING OVERHEAD SIGN SUPPORT
	2 - 33	WILLIAMSON	RT	M6-4	DIRECTIONAL ARROWS LEFT - RIGHT	21 x 21	3.06	---	---	---	---	---	INSTALL ON EXISTING OVERHEAD SIGN SUPPORT
	2 - 34	WILLIAMSON	RT	J3-1	DIRECTIONAL ASSEMBLY (NORTH USH 151 RIGHT)	24 x 57	9.50	---	---	---	---	---	INSTALL ON EXISTING OVERHEAD SIGN SUPPORT
	2 - 35	47+25	RT	R10-7(MOD.)	DO NOT BLOCK DRIVEWAY	24 x 30	5.00	---	---	---	---	---	INSTALL ON EXISTING LIGHT POLE
	2 - 36	49+73	LT	R10-7(MOD.)	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	3.00	---	---	1	10	---	PROVIDE AND INSTALL PRECAST SIGN POST BASE AND SIGN POST. SIGN PROVIDED AND INSTALLED BY OTHERS.
	E2 - 1	46+35	RT	---	VEHICLE CROSSING WARNING; SLOW; DRIVEWAY CROSSING	--- x ---	---	---	---	1	13	---	MOVE EXISTING SIGNS AND INSTALL ON NEW POST
	E2 - 7	47+65	RT	---	STOP; ONE WAY RIGHT; PATH CROSSING	--- x ---	---	---	---	1	11	---	MOVE EXISTING SIGNS AND INSTALL ON NEW POST
	E2 - 8	47+90	RT	---	CAPITAL CITY TRAIL; LAKE LOOP; BIKE ROUTE SIGNS	--- x ---	---	---	---	1	10	---	MOVE EXISTING SIGNS AND INSTALL ON NEW POST
	E2 - 13A	48+20	RT	---	MACHINERY ROW PATH	--- x ---	---	---	---	1	8	---	MOVE EXISTING SIGN AND INSTALL ON NEW POST
					SHEET TOTALS		249.81	26.14	5	15	73	128	

CON'T NEXT PAGE

CON'T FROM PREVIOUS

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 637.2230 SIGNS TYPE II REFLECTIVE H SF	637.2210 637.2230 SIGNS TYPE II REFLECTIVE F SF	SPV.0060.03 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0060.02 PRECAST SIGN POST BASE EACH	SPV.0090.01 SIGN POST LF	SPV.0090.02 REFLECTIVE SIGN POST LF	REMARKS
	E2 - 21	49+18	RT	---	CAPITAL CITY TRAIL SIGNS	--- x ---	---	---	---	1	8	---	MOVE EXISTING SIGNS AND INSTALL ON NEW POST
0010	E2 - 22A	49+75	RT	---	E WILSON ST AND S BLAIR ST STREET NAME SIGNS	--- x ---	---	---	---	---	---	---	INSTALL ON SAME POST AS SIGN 2-28
(CON'T)	E2 - 25	50+20	LT	---	TRUCK ROUTE; AHEAD AND LEFT ARROW	--- x ---	---	---	1	---	---	11	MOVE EXISTING SIGNS AND INSTALL ON NEW POST
	E2 - 40A	47+18	LT	D1-1	JOHN NOLEN DR	--- x ---	---	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	3 - 1	E. WILSON	RT	W10-1	RAILROAD CROSSING	36 x 36	---	7.07	---	1	12	---	
	3 - 2	E. WILSON	RT	W10-1A	EXEMPT (SEE R 15-3 ALSO)	24 x 12	---	2.00	---	---	---	---	INSTALL BELOW SIGN 4-2
	3 - 3	E. WILSON	RT	J2-2	ROUTE TURN ASSEMBLY (2 HEADED ROUTE PANEL)	48 x 57	19.00	---	---	2	24	---	
	3 - 4	E. WILSON	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE. SIGN PROVIDED AND INSTALLED BY OTHERS.
					SHEET TOTALS		19.00	9.07	1	4	44	11	
					TOTALS		268.81	35.21	6	19	117	139	

TEMPORARY CONCRETE BARRIER ITEMS

CATEGORY	STAGE	603.8000 DELIVERED LF	603.8125 INSTALLED LF	614.0905 CRASH CUSHIONS TEMPORARY EACH	CRASH CUSHIONS TEMPORARY ADDITIONAL INFORMAITON						
					LOCAITON	BACK WIDTH FT	OBJECT MARKING PATTERN	CRASH TEST LEVEL	TRAFFIC DIRECTION	TRAFFIC LOCATION	CRASH CUSHION SHIELDS
0010	STAGE 1B, PHASE 1	200	200	1	STA. 50+10 11' LT	2	OM-3L (W05-58L)	TL-2	UNIDIRECTIONAL	RT	BLUNT END OF CONCRETE BARRIER TEMPORARY PRECAST

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS QTY	643.0300 DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II QTY	643.0410 DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III QTY	643.0420 DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A QTY	643.0705 DAY	643.0715 TYPE C QTY	643.0715 DAY	643.0800 ARROW BOARDS QTY	643.0800 DAY	643.0900 TRAFFIC CONTROL SIGNS QTY	643.0900 DAY	643.1050 SIGNS PCMS QTY	643.1050 DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP QTY	644.1601 DAY
0010	ADVANCE WARNING	STAGE 1A	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9	90	3	21	---	---
		STAGE 1B, PHASE 1	41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	533	---	---	---	---
		STAGE 1B, PHASES 2 & 3	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	209	---	---	---	---
		STAGE 1C, PHASE 1	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	525	---	---	---	---
		STAGE 1C, PHASE 2	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	345	---	---	---	---
		STAGE 1C, PHASE 3	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	260	---	---	---	---
		STAGE 1D, PHASE 1	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	11	407	---	---	---	---
		STAGE 1D, PHASE 2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	13	325	---	---	---	---
		STAGE 1E	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	15	225	---	---	---	---
		PRE-WARN PRIOR TO EACH STAGE CHANGE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	81	---	---
		SUBTOTALS (ADVANCE WARNING)			0		0		0	0	0		0		0		0		2,919		102		0
ALTERNATE ROUTE (2022)			225	---	---	---	---	2	450	---	---	---	---	---	---	---	---	185	41,625	---	---	---	---
PEDESTRIAN ROUTING		STAGE 1A	10	---	---	19	190	---	---	---	---	---	---	---	---	---	---	19	190	---	---	3	30
		STAGE 1B, PHASE 1	41	---	---	20	820	---	---	---	---	---	---	---	---	---	---	20	820	---	---	1	41
		STAGE 1B, PHASES 2 & 3	19	---	---	2	38	---	---	---	---	---	---	---	---	---	---	2	38	---	---	2	38
		STAGE 1C, PHASE 1	35	---	---	3	105	---	---	---	---	---	---	---	---	---	---	3	105	---	---	2	70
		STAGE 1C, PHASE 2	23	---	---	7	161	---	---	---	---	---	---	---	---	---	---	7	161	---	---	2	46
		STAGE 1C, PHASE 3	20	---	---	4	80	---	---	---	---	---	---	---	---	---	---	4	80	---	---	2	40
		STAGE 1D, PHASE 1	37	---	---	16	592	---	---	---	---	---	---	---	---	---	---	16	592	---	---	3	111
		STAGE 1D, PHASE 2	25	---	---	18	450	---	---	---	---	---	---	---	---	---	---	18	450	---	---	2	50
		STAGE 1E	15	---	---	4	60	---	---	---	---	---	---	---	---	---	---	4	60	---	---	---	---
		SUBTOTALS			0		2,496		0	0	0		0		0		0		2,496		0		426
	STAGE 1A		10	97	970	---	---	4	40	---	---	8	80	12	120	1	10	6	60	---	---	---	---
	STAGE 1B, PHASE 1		97	127	12,319	---	---	21	2,037	---	---	42	4,074	14	1,358	2	194	17	1,649	---	---	---	---
	STAGE 1B, PHASES 2 & 3		29	43	1,247	---	---	18	522	---	---	36	1,044	10	290	1	29	16	464	---	---	---	---
	STAGE 1C, PHASE 1		35	149	5,215	---	---	21	735	---	---	42	1,470	23	805	2	70	27	945	---	---	---	---
	STAGE 1C, PHASE 2		23	199	4,577	---	---	36	828	24	24	72	1,656	28	644	2	46	33	759	---	---	---	---
	STAGE 1C, PHASE 3		20	164	3,280	---	---	24	480	---	---	48	960	25	500	1	20	27	540	---	---	---	---
	STAGE 1D, PHASE 1		37	318	11,766	---	---	26	962	22	22	52	1,924	32	1,184	1	37	34	1,258	---	---	---	---
	STAGE 1D, PHASE 2		25	212	5,300	---	---	30	750	---	---	60	1,500	36	900	2	50	36	900	---	---	---	---
	STAGE 1E		15	172	2,580	---	---	13	195	---	---	26	390	17	255	2	30	12	180	---	---	---	---
	SUBTOTALS				47,254		0		6,549	46	46		13,098		6,056		486		6,755		0		0
	UNDISTRIBUTED				2,363		125		350	7	2		655		303		24		2,690		---		21
		TOTALS			49,617		2,621		7,349	53	48		13,753		6,359		510		56,485		102		447

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TEMPORARY PEDESTRIAN FACILITIES

CATEGORY	STAGE	644.1410 SURFACE ASPHALT SF	644.1420 SURFACE PLYWOOD SF	644.1430 SURFACE PLATE SF	644.1810 BARRICADE LF
0010	STAGE 1A	---	---	---	105
	STAGE 1B, PHASE 1	---	---	---	175
	STAGE 1B, PHASE 2	---	---	---	55
	STAGE 1C, PHASE 1	---	---	---	20
	STAGE 1C, PHASE 2	215	---	---	145
	STAGE 1C, PHASE 3	---	---	---	25
	STAGE 1D, PHASE 1	90	---	---	1,145
	STAGE 1D, PHASE 2	---	---	---	25
	STAGE 1E	---	---	---	25
	UNDISTRIBUTED	100	100	100	260
	TOTALS	405	100	100	1,980

MARKING REMOVAL LINE

CATEGORY	STAGE	646.9000 4-INCH LF	646.9010 WATER BLASTING 4-INCH LF	646.9100 8-INCH LF	646.9200 WIDE LF
0010	STAGE 1A	63	---	---	85
	STAGE 1B, PHASE 1	97	---	---	13
	STAGE 1B, PHASE 2	---	---	---	---
	STAGE 1C, PHASE 1	165	---	70	---
	STAGE 1C, PHASE 2	---	56	17	17
	STAGE 1C, PHASE 3	---	---	---	---
	STAGE 1D, PHASE 1	---	50	---	---
	STAGE 1D, PHASE 2	---	---	---	---
	STAGE 1E	---	---	---	---
	UNDISTRIBUTEED	39	13	10	14
	TOTALS	364	119	97	115

TRAFFIC CONTROL SAWING

CATEGORY	STAGE	*690.0150 SAWING ASPHALT LF	*690.0250 SAWING CONCRETE LF
0010	STAGE 1A	---	---
	STAGE 1B, PHASE 1	---	93
	STAGE 1B, PHASE 2	---	---
	STAGE 1C, PHASE 1	24	24
	STAGE 1C, PHASE 2	14	66
	STAGE 1C, PHASE 3	---	---
	STAGE 1D, PHASE 1	---	150
	STAGE 1D, PHASE 2	---	---
	STAGE 1E	---	---
	UNDISTRIBUTED	10	83
	TOTALS	48	416

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL SIGNS - MISCELLANEOUS

CATEGORY	STAGE	*638.2102 MOVING SIGNS TYPE II EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF CYCLES	NUMBER OF SIGNS	EACH
0010	STAGE 1B, PHASE 1	---	1	3	3
	STAGE 1C, PHASE 1	---	1	1	1
	STAGE 1C, PHASE 2	1	1	2	2
	STAGE 1D, PHASE 1	1	1	1	1
	STAGE 1D, PHASE 2	---	1	2	2
	TOTALS	2			9

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	5400-00-72	0.5

TEMPORARY MARKING LINE SUMMARY

CATEGORY	STAGE	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0205 TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0155 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE) LF	649.0255 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE) LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	649.0970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	STAGE 1A	---	---	325	---	210	---	---	330	---	---	25	---
	STAGE 1B, PHASE 1	25	165	87	---	225	---	285	---	12	---	40	---
	STAGE 1B, PHASE 2	---	---	---	---	---	---	40	---	---	---	---	---
	STAGE 1C, PHASE 1	295	160	---	505	110	---	680	---	---	---	72	---
	STAGE 1C, PHASE 2	1,070	22	97	1,130	580	150	260	---	14	---	72	310
	STAGE 1C, PHASE 3	---	---	---	100	100	255	---	---	---	---	505	500
	STAGE 1D, PHASE 1	---	---	---	1,880	---	60	395	---	---	29	87	---
	STAGE 1D, PHASE 2	---	---	---	100	325	230	---	---	---	---	525	---
	STAGE 1E	---	---	---	125	---	---	---	---	---	---	---	---
	SUBTOTALS	1,390	347	509	3,840	1,550	695	1,660	330	26	29	1,320	810
	TOTALS	1,737		534	5,390		695	1,660	330	26	29	1,320	810

MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 LINE EPOXY 4-INCH (WHITE) LF	(YELLOW) LF	(DOUBLE YELLOW) LF	(2' SEG., 6' GAP) (WHITE) LF	(YELLOW) LF	(WHITE SKIP 12.5' SEG., 37.5' GAP) LF	646.3020 LINE EPOXY 8-INCH (WHITE) LF	(WHITE SKIP, 2' SEG., 6' GAP) LF	646.5020 ARROW EPOXY EACH	646.5120 WORD EPOXY EACH	646.5220 SYMBOL EPOXY EACH	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 CURB EPOXY LF	646.8220 ISLAND NOSE EPOXY EACH	SPV.0090.11 LINE EPOXY 6-INCH (WHITE) LF	(WHITE SKIP, 2' SEG., 4' GAP) LF	SPV.0090.12 CROSSWALK EPOXY TRANSVERSE LINE 18-INCH (1.5' SEG., 1.5' GAP) LF	SPV.0090.13 CROSSWALK EPOXY LADDER PATTERN 18-INCH LF	SPV.0090.14 STOP LINE EPOXY 24-INCH LF	SPV.0165.01 GREEN HIGH FRICTION MMA SF
0010	43+62 - 50+39	LT/RT	215	82	67	110	100	320	610	270	8	2	5	3	560	29	3	655	64	175	---	225	2,520
0050	43+62 - 50+39	LT/RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	130	---	---
	ITEM TOTALS		894						880		8	2	5	3	560	29	3	719		175	130	225	2,520

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.7000 CONCRETE PAVEMENT LF	650.9000 CURB RAMPS EACH	650.9920 SLOPE STAKES LF
0010	43+62 - 50+39	RT/LT	675	120	675	5	190
	143+62 SB - 150+00 SB	RT/LT	640	170	640	6	340
	4+90 A - 8+68 A	RT/LT	375	5	375	4	380
	TOTALS		1,690	295	1,690	15	910

SAWING

CATEGORY	STATION - STATION	LOCATION	*690.0150 ASPHALT LF	*690.0250 CONCRETE LF
0010	43+62 - 50+39	RT/LT	965	430
	UNDISTRIBUTED	RT/LT	195	86
	TOTALS		1,160	516

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PROPERTY CORNERS

CATEGORY	STATION - STATION	LOCATION	SPV.0060.09 LOCATE AND REFERENCE PROPERTY CORNERS EACH	SPV.0060.10 RESET PROPERTY CORNERS EACH
0010	PARCEL 1	RT	1	1
	PARCEL 3	RT	1	1
	SW QUAD	LT	1	1
	TOTALS		3	3

PAVEMENT CLEANUP

CATEGORY	LOCATION	SPV.0170.01 STA
0010	USH 151	14
	WILSON STREET	6
	WILLIAMSON STREET	4
	TOTAL	24

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.04 EACH
0010	STORM SEWER TIE-IN AT STA. 7+55 A, RT	1
	STORM SEWER TIE-IN TO STRUCTURE 120	1
	STORM SEWER TIE-IN TO STRUCTURE 125	1
	UNDISTRIBUTED	6
	TOTAL	9

SLURRY BACKFILL

CATEGORY	LOCATION	SPV.0060.07 EACH
0010	STORM SEWER STRUCTURE 135 AND SANITARY SEWER MH	1
	STORM SEWER STRUCTURE 135-C AND MGE ELECTRICAL DUCT PACKAGE	1
	STORM SEWER 135 TO 130 CROSSING OF MGE DUCT PACKAGE	1
	STORM SEWER 130-A TO 130-B CROSSING OF MGE DUCT PACKAGE	1
	STORM SEWER STRUCTURE 130-C AND MGE ELECTRICAL DUCT PACKAGE	1
	STORM SEWER STRUCTURE 140 AND MGE ELECTRICAL DUCT PACKAGE	1
	UNDISTRIBUTED	6
	TOTAL	12

EXCAVATING, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	STATION - STATION	LOCATION	SPV.0195.01 TON
0050	44+75 - 46+00; 6+00 A - 8+50 A	RT	2,100

FLUID THERMAL BACKFILL

CATEGORY	STATION	LOCATION	SPV.0060.17 EACH
0010	44+90	LT	1
	47+80	RT	1
	49+06	RT	1
		TOTAL	3

PROJECT DEWATERING, ID 5400-00-72

CATEGORY	LOCATION	SPV.0060.14 EACH
0010	UNDISTRIBUTED	1

2

REMOVALS - STREET LIGHTING

CATEGORY	STATION	OFFSET	*204.0195 REMOVING CONCRETE BASES EACH	*204.0210 REMOVING MANHOLES EACH	SPV.0060.08 STREET LIGHT REMOVAL EACH
0010	44+79	41.93 L	1		1
	45+58	195.99 L	1		1
	46+20	175.08 L	1		1
	46+64	31.63 L	1		1
	46+77	137.11 L	1		1
	47+29	88.83 L	1		1
	47+84	38.82 L	1		1
	48+10	39.00 R	1		1
	49+91	71.77 L	1		1
	49+91	114.08 L	1		1
	49+99	23.48 R		1	
		TOTALS	10	1	10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONTROL

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.67 CONCRETE BASES TYPE P EACH	SPV.0060.50 LIGHTING CONTROL CABINET EACH	656.0200.01 ELEC SERVICE METER EACH
0030	CB1	47+81	82.32 R	1	1	1
	TOTAL			1	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

LIGHTING CONDUIT AND WIRE - STREET LIGHTING

CATEGORY	FROM	TO	*652.0225 CONDUIT RIGID NONMETALLIC (LIGHTING) SCHEDULE 40 2-INCH LF	652.0325 CONDUIT RIGID NONMETALLIC (LIGHTING) SCHEDULE 80 2-INCH LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	COMMENT
0030	MATCH EXISTING	SL4303	5		11	33	
	SL4303	SL4301	175		181	543	
	SL4301	HH1	90		96	288	
	MATCH EXISTING	P888	25		31	93	
	P888	SL910	60		66	198	
	SL910	P887	55		61	183	
	P887	MATCH EXISTING	52		58	174	
**	HH1	SL912			6	18	TS2
	HH1	HH2		90	96	288	
**	HH2	SL916			6	18	TS5
	HH2	HH3		75	81	243	
**	HH3	SL917			32	96	TS9
	HH3	HH4		35	41	123	
	HH4	MATCH EXISTING	32		38	114	
	HH4	CB2	15		21	63	
	CB1	CB2	5		11	33	
	HH5	P35	55		61	183	
	P34	P35	50		56	168	
	P34	HH7	35		41	123	
	HH6	HH7	62		68	204	
	HH7	HH8		60	66	198	
	HH8	SL914	8		14	42	
	SL914	HH9		75	81	243	
		TOTALS	724	335	1223	3669	

*ADDITIONAL QUANTITIES LISTED ELSWHERE
** CONDUIT INCLUDED IN TRAFFIC SIGNAL TABLE

TEMPORARY LIGHTING

CATEGORY	LOCATION	STRUCTURE	STATION	OFFSET	SPV.0060.88 TEMPORARY LIGHTING EACH
0010	JOHN NOLEN DR/ WILSON ST				1
	TEMPORARY WOOD POLES	WP1	44+84	47.18 L	
		WP2	46+08	182.31 L	
		WP3	44+54	87.50 L	
		WP4	46+69	63.60 L	
		WP5	47+69	83.75 R	
		WP6	49+74	30.34 R	

2

CONCRETE BASES - STREET LIGHTING

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.63 CONCRETE BASE TYPE LB-1 EACH	SPV.0060.64 CONCRETE BASE TYPE LB-3 EACH	*SPV.0060.65 CONCRETE BASE TYPE LB-8 EACH	SPV.0060.68 CONCRETE BASE OFFSET EACH	SPV.0060.84 POLES 12-FT DECORATIVE LIGHT POLE EACH	SPV 0060.52 POLES 30-FT 11 GAUGE, BLACK TLM EACH	SPV.0060.53 POLES 30-FT 7 GAUGE, BLACK TLM EACH	SPV.0060.69 TRANSFORMER BASE 16-INCH STEEL BLACK EACH	SPV.0060.85 HOLOPHANE WASHINGTON DECORATIVE FIXTURE EACH	SPV.0060.86 COOPER TALON FIXTURE EACH	SPV.0090.51 ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED LF	COMMENTS
0030	SL4303	44+78	46.09 L		1				1		1		1	36	
	P887	45+61	202.61 L	1				1				1		18	
	SL910	46+30	182.59 L			1				1	1		1	36	
	P888	46+74	148.70 L	1				1				1		18	
	SL912	47+31	94.45 L		1				1		1		1	36	SB2
	SL4301	46+64	62.79 L		1				1		1		1	36	
	SL916	47+91	30.51 L			1				1	1		1	36	SB5
	SL917	48+22	38.22 R			1				1	1		1	36	SB9
	P35	49+91	115.07 L	1				1				1		18	
	P34	49+90	64.59 L	1				1				1		18	
	SL914	49+80	28.74 R		1				1		1		1	36	
	UNDISTRIBUTED						1								
	TOTALS			4	4	3	1	4	4	3	7	4	7	324	

*ADDITIONAL QUANTITIES LISTED ELSWHERE
** TBONE ARM IN SIGNAL TABLE

PULLBOX SUMMARY - STREET LIGHTING

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.58 ELECTRICAL PULLBOX, TYPE I EACH	*SPV.0060.60 ELECTRICAL PULLBOX, TYPE V EACH
0030	HH5	49+89	163.52 L	1	
	HH7	49+89	34.41 L	1	
	HH8	49+88	26.49 R	1	
	UNDISTRIBUTED			1	1
			TOTALS	4	1

2

TRAFFIC SIGNAL CONTROL

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.67 CONCRETE BASE TYPE P EACH	SPV.0060.12 TEMPORARY TRAFFIC SIGNALS JOHN NOLEN DRIVE SOUTH BLAIR STREET EACH	SPV.0060.71 TRAFFIC SIGNAL CONTROL CABINET EACH	SPV.0060.72 TRAFFIC SIGNAL CONTROLLER EACH	658.5069 SIGNAL MOUNTING HARDWARE JOHN NOLEN DRIVE SOUTH BLAIR STREET LS	SPV.0060.73 MALFUNCTION MANAGEMENT UNIT (MMU) EACH	SPV.0060.74 TRAFFIC SIGNAL ETHERNET SWITCH EACH
0040	CB2	47+84	80.62 R	1	1	1	1	1	1	1
	TOTALS			1	1	1	1	1	1	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE.

PULLBOX SUMMARY - TRAFFIC SIGNAL

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.58 ELECTRICAL PULLBOX TYPE I EACH	SPV.0060.59 ELECTRICAL PULLBOX TYPE III EACH	*SPV.0060.60 ELECTRICAL PULLBOX TYPE V EACH	SPV.0060.61 ELECTRICAL PULLBOX TYPE VII EACH
0040	HH1	47+35	98.97 L				1
	HH2	47+99	26.35 L			1	
	HH3	48+00	47.96 R				1
	HH4	47+91	78.68 R				1
	HH6	49+37	63.92 L				1
	HH9	49+14	36.43 R			1	
	HH10	49+06	61.14 R		1		
	HH11	45+71	44.63 R		1		
	HH12	47+21	56.37 R		1		
	HH13	46+86	133.90 L	1			
	HH14	47+14	74.10 L			1	
	HH15	47+77	68.56 R			1	
			TOTALS	1	3	4	4

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC DETECTOR LOOPS

CATEGORY	LOOP NO.	STATION	OFFSET	SIZE	NO. TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF
0040	L1	45+71	12.31 R	6 x 20	3	84	230
	L2	45+74	32.40 R	6 x 6	3	34	92
	L3	47+15	5.66 L	6 x 6	3	84	192
	L4	47+14	14.00 R	6 x 20	3	97	256
	L5	47+15	45.52 R	6 x 20	3	72	206
	L6	47+86	55.54 R	6 x 6	3	84	230
	L7	47+72	6.27 L	6 x 6	3	32	88
	L8	47+37	120.82 L	6 x 6	3	29	82
	L9	49+52	9.72 L	6 x 6	3	74	172
	L10	50+40	15.84 L	6 X 20	3	67	171
	D1-D11	EXISTING					
					TOTALS	455	1206

OFFSET IS TO CENTER OF LOOP

CONCRETE BASES - TRAFFIC SIGNALS

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.62 CONCRETE BASE TYPE G EACH	*SPV.0060.65 CONCRETE BASE TYPE LB-8 EACH	COMMENTS
0040	SB1	46+83	145.25 L	1		
**	SB2	47+31	94.45 L			SL912
	SB3	47+12	91.17 L	1		
	SB4	47+21	70.71 L		1	
**	SB5	47+91	60.51 L			SL916
	SB6	47+55	22.64 L	1		
	SB7	47+74	16.67 L	1		
	SB8	47+81	20.75 L	1		
**	SB9	48+22	38.22 R			SL917
	SB10	47+98	35.38 R	1		
	SB11	48+15	38.53 R	1		
	SB12	48+07	50.68 R	1		
	SB13	48+23	50.27 R	1		
	SB14	48+16	52.44 R	1		
	SB15	47+86	67.43 R	1		
	SB16	48+00	82.64 R	1		
	SB17	48+08	85.48 R	1		
	SB18	47+68	174.90 L	1		
	SB19	49+48	74.93 L	1		
	SB20	49+52	63.81 L	1		
	SB21	49+73	40.60 L		1	
	SB22	48+91	82.04 R	1		
			TOTALS	17	2	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
** BASE AND POLE IN STREET LIGHTING TABLE

CONDUIT - TRAFFIC SIGNAL

CATEGORY	FROM	TO	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	*652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0215 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHUDULE 80 3-INCH LF	SPV.0090.50 FIBER OPTIC CABLE 144-COUNT LF	COMMENT
0040	MATCH EXISTING	HH14	270				270	COMM
	HH14	MATCH EXISTING - RR	40				40	COMM
	HH14	MATCH EXISTING - WILSON	35				35	COMM
	MATCH EXISTING - WILSON	WILSON - MATCH EXISTING	215				215	COMM
	HH14	HH15	160				160	COMM
	HH13	SB1	15					
	HH1	SB2	5					
	HH1	SB3		15				
	HH1	SB4	30					
	HH1	HH2				90		TS
	HH1	HH2				90		COMM
	HH2	SB5	5					SL916
	HH2	SB6		40				
	HH2	SB7		22				
	HH2	SB8		15				
	HH2	HH3				75		TS
	HH2	HH3				75		COMM
	HH3	SB9	27					
	HH3	SB10		11				
	HH3	SB11		18				
	HH3	SB12		8				
	HH3	SB13		25				
	HH3	SB14		20				
	HH3	HH4				35		TS
	HH3	HH4				35		COMM
	HH4	SB15		12				
	HH4	SB16		10				
	HH4	SB17		22				
	HH4	MATCH TO EXISTING	32					TS
	HH4	MATCH TO EXISTING	32					COMM
	MATCH EXISTING - BLAIR	HH15	65				65	COMM
	HH3	MATCH TO EXISTING	33					TS
	HH3	MATCH TO EXISTING	33					COMM
	HH3	HH12			100			
	HH1	HH12			160			
	HH4	CB2	15					TS
	HH4	CB2	15					COMM
	CB1	CB2	5					
	HH6	SB19	18					
	HH6	SB20	15					
	HH6	SB21	40					
	HH7	HH8				60		
	HH8	HH9				80		
	HH10	MATCH TO EXISTING	20					
	TS22	MATCH TO EXISTING		40				
	HH2	L7			20			
	HH13	L8			35			
	HH15	MATCH EXISTING - JN	75				75	COMM
	HH15	MATCH EXISTING - WILLIAMSON	65				65	
	HH15	MATCH EXISTING - WILLIAMSON	65				65	
	CB2	MATCH EXISTING - WILLIAMSON	65				65	
	UNDISTRIBUTED						1500	
		TOTALS	1395	258	315	540	2555	

*ADDITIONAL QUANTITIES LISTED ELSWHERE

CABLE AND WIRE - TRAFFIC SIGNALS

CATEGORY	FROM	TO BASE	TO HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0615 ELECTRIC WIRE LIGHTING 10 AWG LF	SPV.0090.52 LOOP DETECTOR LEAD-IN CABLE SPECIAL LF	COMMENT
	BLAIR ST / JOHN NOLEN DR									
0040	CB2	SB1		275						
			2	15						
	CB2	SB2			200					
			PED 2	15						
			4	15						
	CB2	SB3		200						
	CB2	SB4				200				
			5	45						
			PED 3	15						
	CB2	SB5				125				
			3	15						
			6	45						
			7	15						
	CB2	SB6		150						
			20	15						
	CB2	SB7				125				
			8	15						
			PED 4	15						
			PED 5	15						
	CB2	SB8		125						
	CB2	SB9					80			
			9	45						
			10	15						
			11	15						
	CB2	SB10			70					
			13	15						
			PED 6	15						
	CB2	SB11		70						
			12	15						
	CB2	SB12		50						
	CB2	SB13		60						
			PED 9	15						
	CB2	SB14		60						
			PED 7	15						
	CB2	SB15		35						
			14	15						
	CB2	SB16		30						
	SB2	SB17		40						
			PED 8	15						
	CB2	SB18		350						
			1	15						
	CB2	SB19		325						
			PED 1	15						
	CB2	SB20			345					
			21	15						
			PED 10	15						
	CB2	SB21				365				
			17	35						
			18	15						
		SB22								COORDINATE W/CITY
	SYSTEM GROUND							4000		
	SYSTEM NEUTRAL							4000		
	DETECTOR LOOP LEAD-IN								3750	
	TOTALS			2300	615	815	80	8000	3750	

TRAFFIC SIGNAL POLES

CATEGORY	STRUCTURE	657.0100 PEDESTAL BASES EACH	657.0420 POLES TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	SPV.0060.56 POLES 20-FT 7 GAUGE BLACK EACH	SPV.0060.75 TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12-FOOT EACH	SPV.0060.76 TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 15-FOOT EACH	SPV.0060.77 TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 18-FOOT EACH	SPV.0060.78 TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 22-FOOT EACH	COMMENTS
0040	SB1	1	1						
**	SB2								
	SB3	1	1						
	SB4			1				1	
**	SB5							1	
	SB6	1	1						
	SB7	1	1						
	SB8	1	1						
**	SB9							1	
	SB10	1	1						
	SB11	1	1						
	SB12	1	1						
	SB13	1	1						
	SB14	1	1						
	SB15	1	1						
	SB16	1	1						
	SB17	1	1						
	SB18	1	1						
	SB19	1	1						
	SB20	1	1						
	SB21			1	1				
	SB22	1	1						
	EX BASE					1			WILSON MEDIAN
	UNDISTRIBUTED						1		
	TOTALS	17	17	2	1	1	1	3	

2

TRAFFIC SIGNALS

CATEGORY	STRUCTURE	SPV.0060.87 OPTICAL SIGNAL PREEMPT EACH	SPV.0060.79 TRAFFIC SIGNAL HEADS 12-INCH, 3-SECTION EACH	SPV.0060.80 TRAFFIC SIGNAL HEADS 12-INCH, 4-SECTION EACH	SPV.0060.81 TRAFFIC SIGNAL HEADS 16-INCH PEDESTRIAN WITH COUNTDOWN EACH	SPV.0060.82 BACKPLATES SIGNAL FACE, 3-SECTION 12-INCH EACH	SPV.0060.83 BACKPLATES SIGNAL FACE, 4-SECTION 12-INCH EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	COMMENTS
0040	SB1		1			1			EB WILSON
	SB2		1		1	1		1	EB WILSON/BIKE S LEG/PED & BUTTON W LEG
	SB3							2	PED BUTTON S LEG/BIKE BUTTON S LEG
	SB4		1			1		1	SB BLAIR/PED BUTTON S LEG
	SB5	X	2	1		2	1		SB BLAIR/EBRT FROM WILSON
	SB6			1			1		EBRT FROM WILSON
	SB7		1		2	1		1	NB JOHN NOLEN/PED S LEG/PED BUTTON S LEG
	SB8							1	BIKE BUTTON S LEG
	SB9		2	1		2	1		EB WILSON/SB BLAIR
	SB10		1		1	1		1	NB JOHN NOLEN/PED S LEG/PED BUTTON S LEG
	SB11		1			1		1	BIKE S LEG/BIKE BUTTON S LEG
	SB12							1	PED BUTTON S LEG/BIKE BUTTON S LEG
	SB13				1			2	PED E LEG/ PED BUTTON E LEG/BIKE BUTTON E LEG
	SB14				1			1	PED S LEG/ PED BUTTON S LEG
	SB15		1			1			NBRT FROM JOHN NOLEN
	SB16							2	PED BUTTON S LEG/BIKE BUTTON S LEG
	SB17				1			1	PED S LEG/ PED BUTTON S LEG
	SB18			1			1		EB WILSON
	SB19				1			1	PED W LEG/PED BUTTON W LEG
	SB20		1		1	1		1	NB JOHN NOLEN/PED SIGNAL N LEG/PED BUTTON N LEG
	SB21		2			2			SB BLAIR
	SB22		1			1			WB WILLIAMSON
	EXISTING BASE	X	2			2			WBLT WILLIAMSON (ON WILSON MEDIAN)
	TOTALS	1	17	4	9	17	4	17	

REMOVALS - TRAFFIC SIGNAL

CATEGORY	STATION	OFFSET	*204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH	*204.0210 REMOVING MANHOLES EACH
0010	45+72	44.42 R		1	
	46+85	132.79 L		1	
	47+28	91.30 L		1	
	47+75	46.85 L			1
	47+77	61.66 R		1	
	47+79	63.61 L			1
	47+86	51.51 L	1		
	47+88	1.89 R		1	
	48+07	40.84 R			1
	48+90	80.21 R	1		
	49+09	58.50 R		1	
	49+14	36.43 R		1	
	49+26	49.59 L	1		
	49+34	61.93 L		1	
	49+36	35.86 L	1		
	UNDISTRIBUTED				1
		TOTALS	4	8	4

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-20-00694 FILE ID: 61920 DATE: 10/6/2020 EFFECTIVE : 1/25/2021 CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION DATE: 9/14/2020 _____ EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS DATE: 9/16/2020 _____ EXECUTIVE SECRETARY

GN

BEARINGS ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE (NAD83/1997) ADJUSTMENT

SCALE, FEET

0 20 40

R/W PROJECT NUMBER: 5400-00-72	SHEET NUMBER: 1 OF 2

RELOCATION ORDER - AMENDMENT NO. 1

CITY OF MADISON, BLAIR STREET
EAST WILSON STREET TO BLOUNT STREET

USH 151 — DANE COUNTY

AMENDMENT REMOVES UTILITY INTERESTS REQUIRED WITHIN PARCEL NO. 1

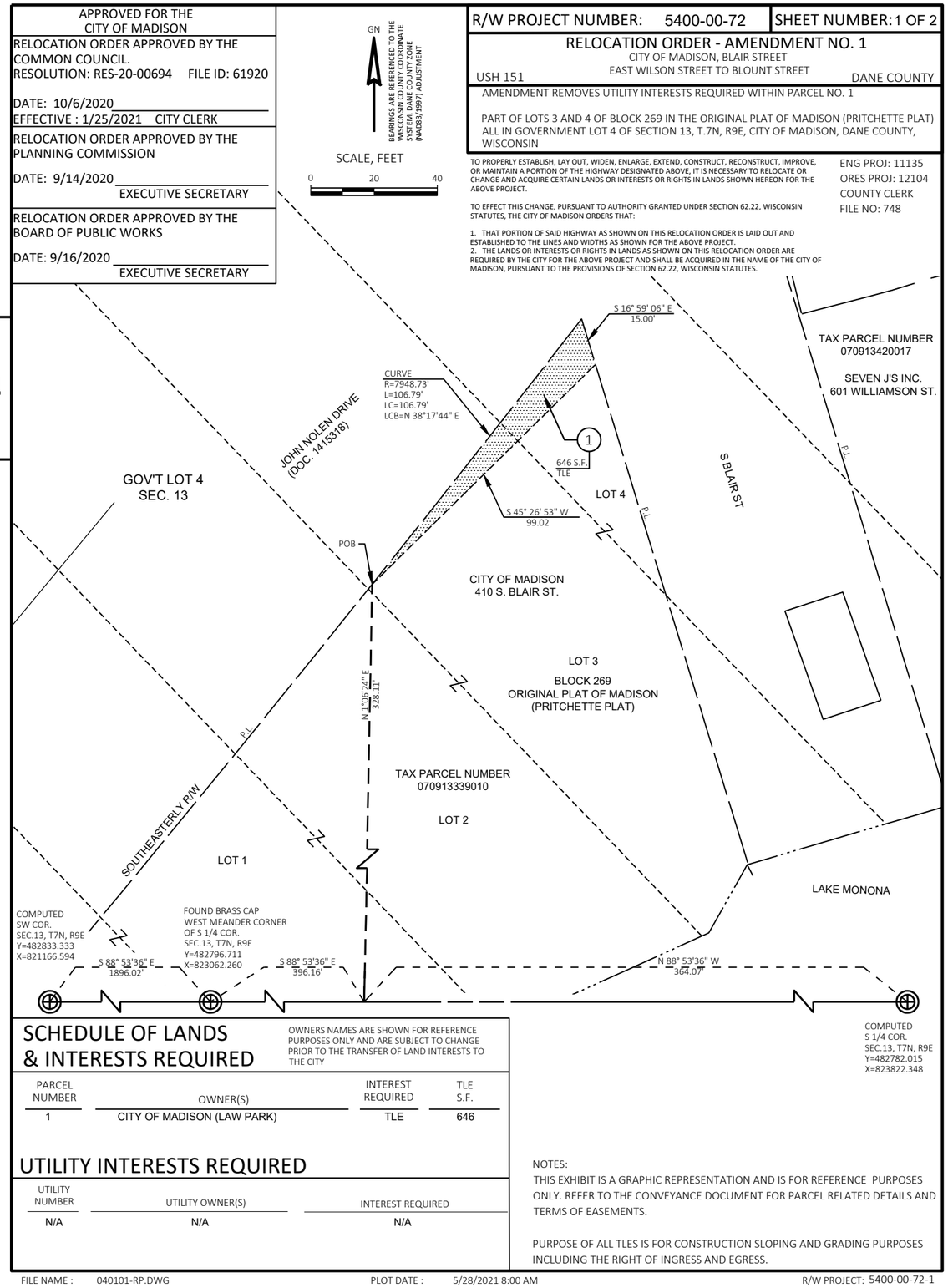
PART OF LOTS 3 AND 4 OF BLOCK 269 IN THE ORIGINAL PLAT OF MADISON (PRITCHETTE PLAT) ALL IN GOVERNMENT LOT 4 OF SECTION 13, T.7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, IT IS NECESSARY TO RELOCATE OR CHANGE AND ACQUIRE CERTAIN LANDS OR INTERESTS OR RIGHTS IN LANDS SHOWN HEREON FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS RELOCATION ORDER IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS RELOCATION ORDER ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

ENG PROJ: 11135
ORES PROJ: 12104
COUNTY CLERK
FILE NO: 748



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
1	CITY OF MADISON (LAW PARK)	TLE	646

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
N/A	N/A	N/A

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS AND TERMS OF EASEMENTS.

PURPOSE OF ALL TLES IS FOR CONSTRUCTION SLOPING AND GRADING PURPOSES INCLUDING THE RIGHT OF INGRESS AND EGRESS.

FILE NAME : 040101-RP.DWG PLOT DATE : 5/28/2021 8:00 AM R/W PROJECT: 5400-00-72-1

4

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, IT IS NECESSARY TO RELOCATE OR CHANGE AND ACQUIRE CERTAIN LANDS OR INTERESTS OR RIGHTS IN LANDS SHOWN HEREON FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF MADISON ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS RELOCATION ORDER IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS RELOCATION ORDER ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF MADISON, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

R/W PROJECT NUMBER: 5400-00-72	SHEET NUMBER: 2 OF 2

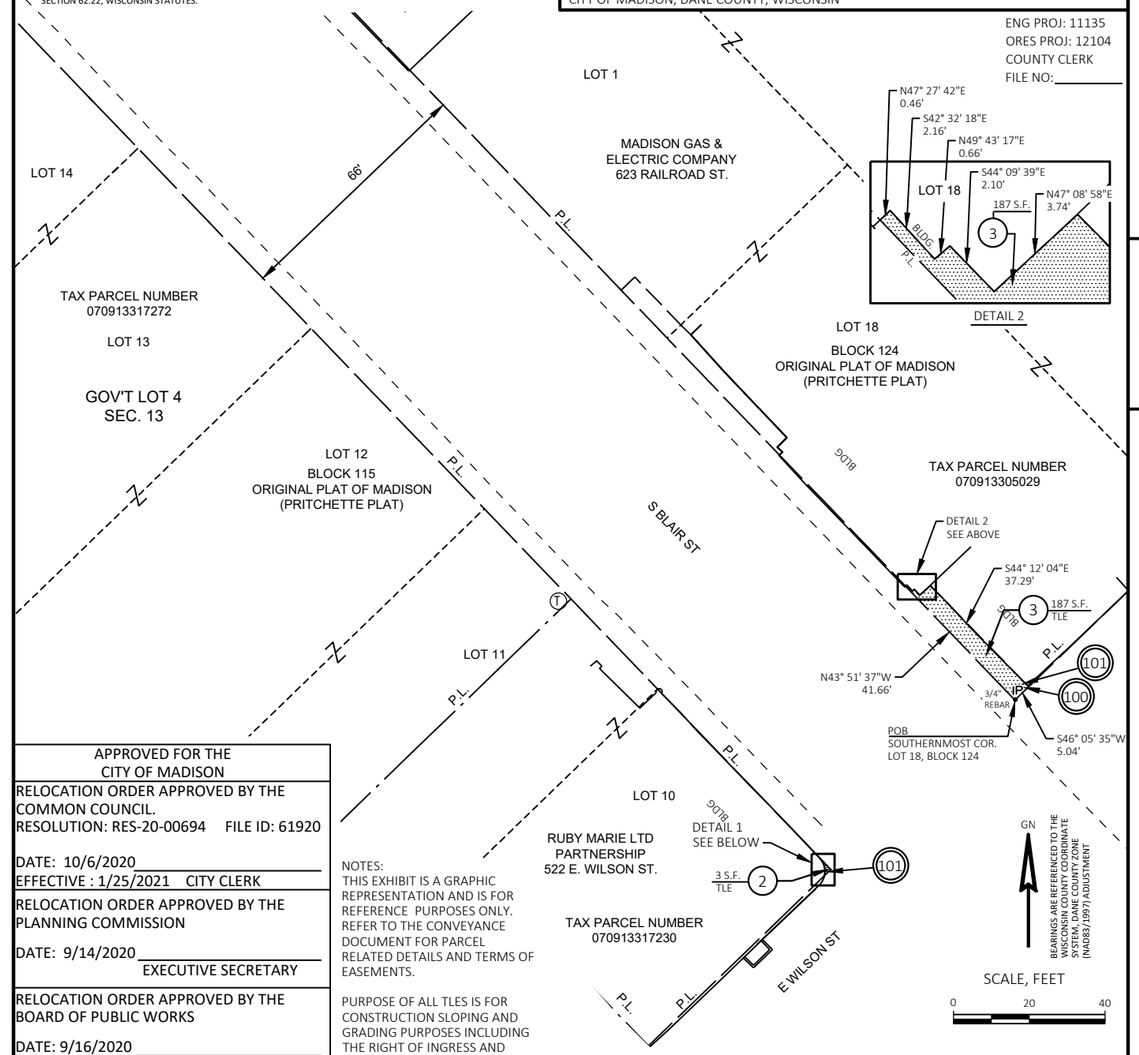
RELOCATION ORDER

CITY OF MADISON, BLAIR STREET
EAST WILSON STREET TO BLOUNT STREET

USH 151 — DANE COUNTY

PART OF LOTS 10, 13, & 14 OF BLOCK 115 AND LOTS 1 & 18 OF BLOCK 124 IN THE ORIGINAL PLAT OF MADISON (PRITCHETTE PLAT) ALL IN GOVERNMENT LOT 4 OF SECTION 13, T.7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN

ENG PROJ: 11135
ORES PROJ: 12104
COUNTY CLERK
FILE NO: _____



APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: RES-20-00694 FILE ID: 61920 DATE: 10/6/2020 EFFECTIVE : 1/25/2021 CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION DATE: 9/14/2020 _____ EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS DATE: 9/16/2020 _____ EXECUTIVE SECRETARY

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS AND TERMS OF EASEMENTS.

PURPOSE OF ALL TLES IS FOR CONSTRUCTION SLOPING AND GRADING PURPOSES INCLUDING THE RIGHT OF INGRESS AND EGRESS.

GN

BEARINGS ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DANE COUNTY ZONE (NAD83/1997) ADJUSTMENT

SCALE, FEET

0 20 40

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

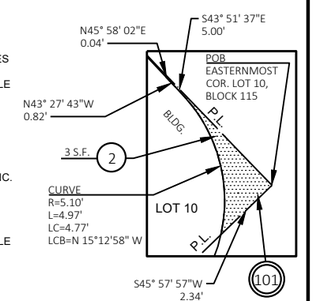
PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
2	RUBY MARIE LTD PARTNERSHP	TLE	3
3	MADISON GAS & ELECTRIC COMPANY	TLE	187

UTILITY INTERESTS REQUIRED

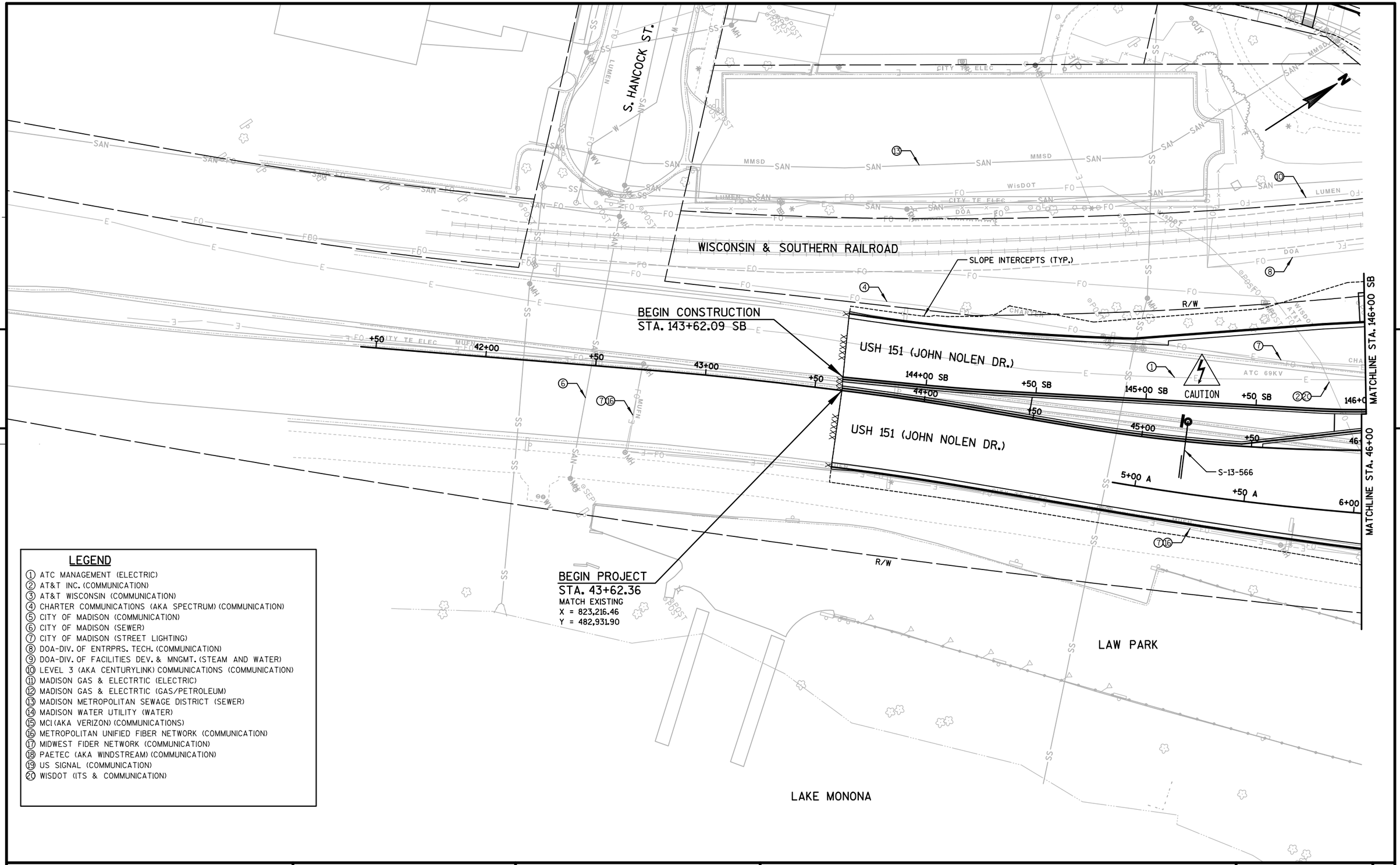
UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	AT&T	TEMPORARY RELEASE OF RIGHTS
101	WILTEL COMMUNICATIONS, INC.	TEMPORARY RELEASE OF RIGHTS

(100) AT&T EASEMENT ON PARCEL BORDERING RAILROAD 16.5' CENTERED ON FACILITIES DOC.4358404 (NO FACILITIES MARKED IN TLE AREA AS PART OF DIGGER'S HOTLINE TICKET NUMBERS 20163214421, 20163214532, 20163215142.) PARCEL 3

(101) WILTEL COMMUNICATIONS INC. EASEMENT ON PARCEL CENTERED ON FACILITIES AS EXISTED ON 6/5/12 DOC.4965434 (NO FACILITIES MARKED IN TLE AREA AS PART OF DIGGER'S HOTLINE TICKET NUMBERS 20163214421, 20163214532, 20163215142.) PARCELS 2 & 3



FILE NAME : 040101-RP.DWG PLOT DATE : 5/28/2021 8:00 AM R/W PROJECT: 5400-00-72-2

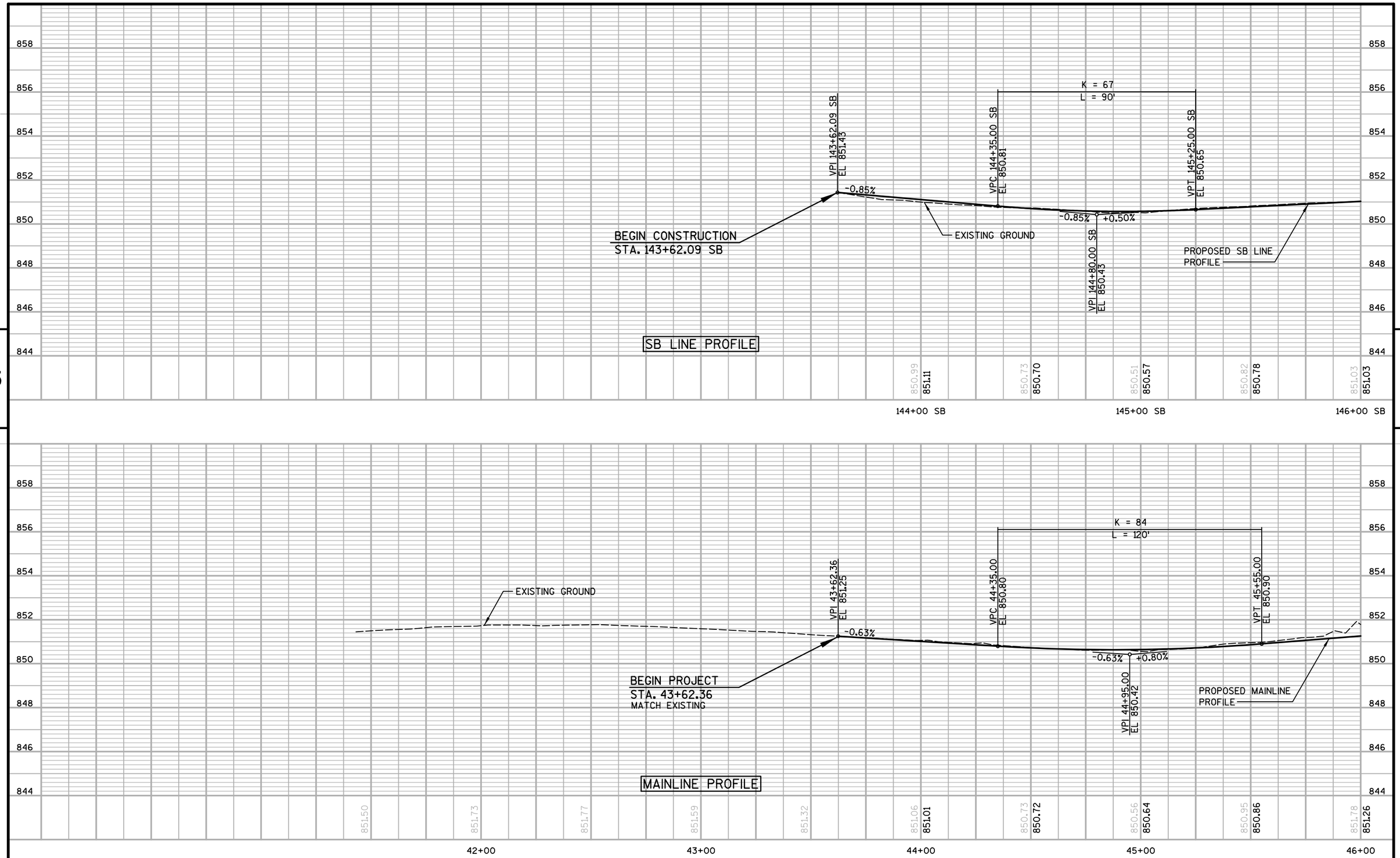


LEGEND

1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
9. DOA-DIV. OF FACILITIES DEV. & MNGMT. (STEAM AND WATER)
10. LEVEL 3 (AKA CENTURYLINK) COMMUNICATIONS (COMMUNICATION)
11. MADISON GAS & ELECTRTIC (ELECTRIC)
12. MADISON GAS & ELECTRTIC (GAS/PETROLEUM)
13. MADISON METROPOLITAN SEWAGE DISTRICT (SEWER)
14. MADISON WATER UTILITY (WATER)
15. MCI (AKA VERIZON) (COMMUNICATIONS)
16. METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATION)
17. MIDWEST FIDER NETWORK (COMMUNICATION)
18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)

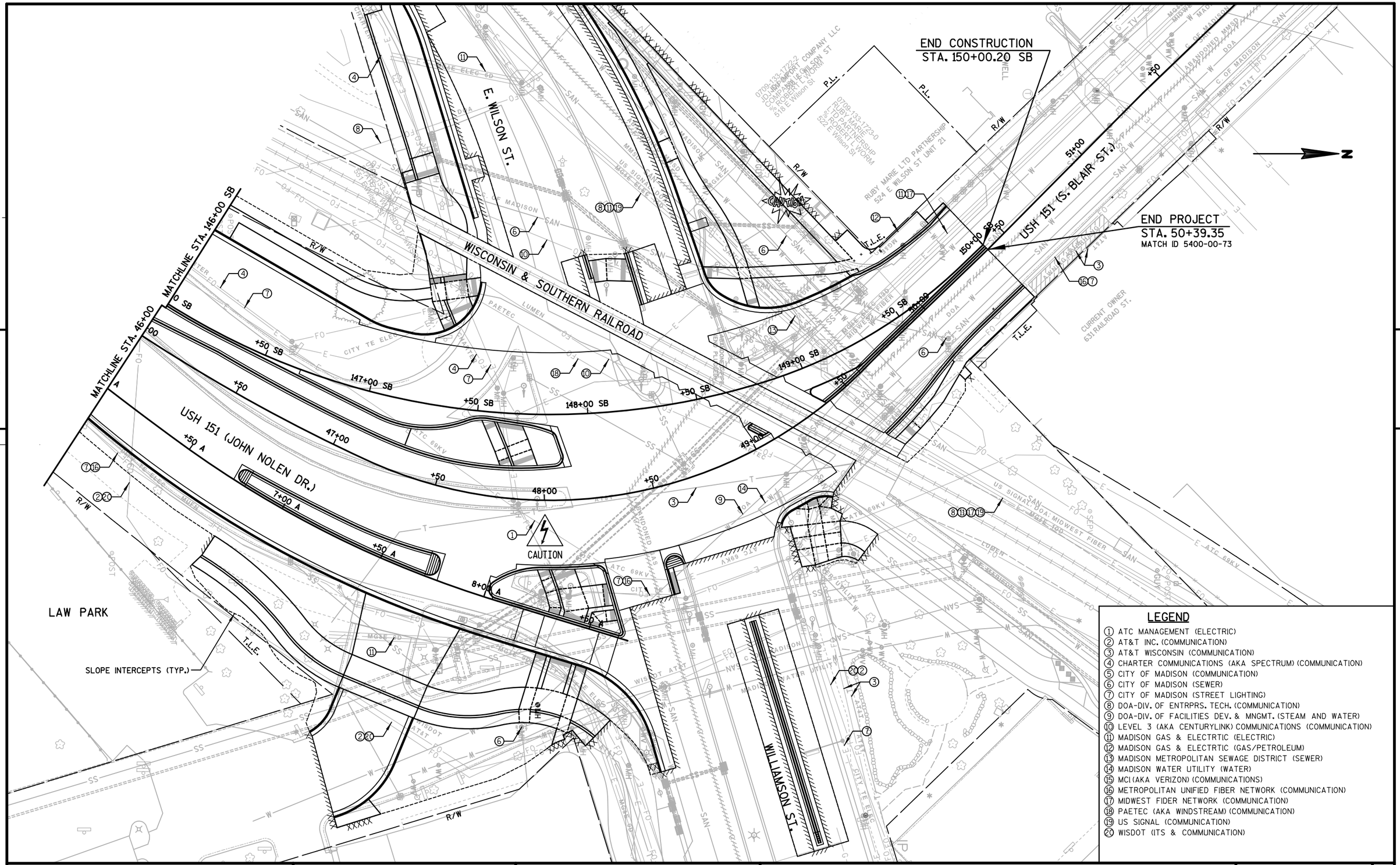
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN - USH 151	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\050101_pp.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PROFILES - USH 151	SHEET	E

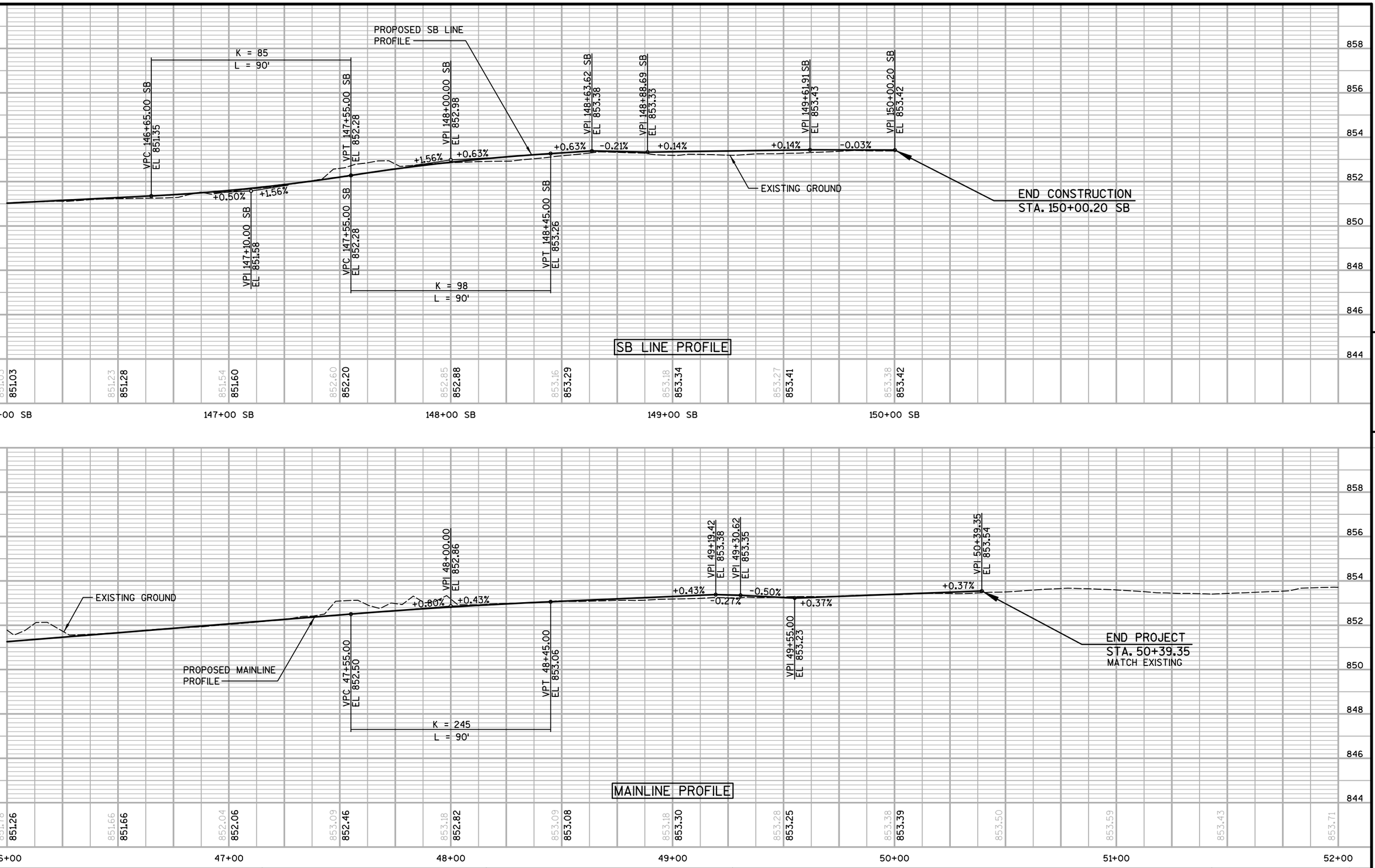
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LEGEND

1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
9. DOA-DIV. OF FACILITIES DEV. & MNGMT. (STEAM AND WATER)
10. LEVEL 3 (AKA CENTURYLINK) COMMUNICATIONS (COMMUNICATION)
11. MADISON GAS & ELECTRTIC (ELECTRIC)
12. MADISON GAS & ELECTRTIC (GAS/PETROLEUM)
13. MADISON METROPOLITAN SEWAGE DISTRICT (SEWER)
14. MADISON WATER UTILITY (WATER)
15. MCI (AKA VERIZON) (COMMUNICATIONS)
16. METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATION)
17. MIDWEST FIDER NETWORK (COMMUNICATION)
18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN - USH 151	SHEET 198	E



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PROFILES - USH 151	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\050104_pp.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 46

BEGIN CONSTRUCTION
STA. 4+89.67 A

END CONSTRUCTION
STA. 8+68.37 A

USH 151 (JOHN NOLEN DR.)

WILLIAMSON ST.

LAW PARK

S-13-566

CAUTION

R/W

T.L.E.

SLOPE INTERCEPTS (TYP.)

STA. 7+72 A RT
CONSTRUCT C.E.

STA. 8+50 A RT
REMOVE C.E.

LEGEND

1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
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11. MADISON GAS & ELECTRTIC (ELECTRIC)
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18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)

SPEED TABLE

K = 100
L = 60'

VPI 4+89.67 A
EL 850.19

VPC 5+00.00 A
EL 850.19

VPT 5+60.00 A
EL 850.39

VPI 5+30.00 A
EL 850.20

VPI 8+28.88 A
EL 852.51

VPI 8+49.13 A
EL 852.82

VPI 8+54.29 A
EL 852.76

VPI 8+68.37 A
EL 852.64

VPI 8+18.88 A
EL 852.01

VPI 8+63.76 A
EL 852.62

EXISTING GROUND

PROPOSED A LINE
PROFILE

+0.03% +0.03% +0.63% +5.00% +1.50% -1.55% -1.00% +0.50% +0.63%

856	854	852	850	848	846	844

850.06	850.19	850.33	850.33	850.77	850.64	851.20	850.95	851.49	851.27	851.75	851.58	851.93	851.89	852.40	852.81

5+00 A | 6+00 A | 7+00 A | 8+00 A

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	PLAN AND PROFILE - A LINE	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\050105_pp.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

Standard Detail Drawing List

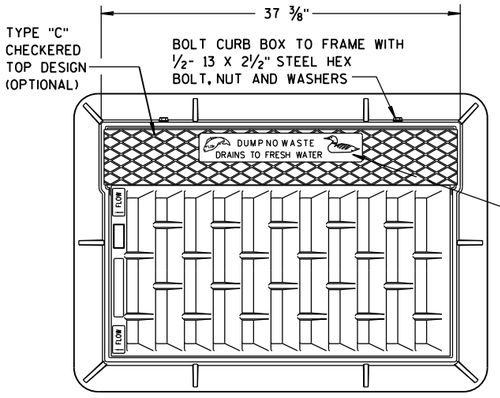
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08B10-02	MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09F01-04	DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
09F09-05	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
14B07-15A	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15B	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15C	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15D	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15E	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15F	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15G	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15H	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-15I	CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B08-02A	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02B	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02C	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02D	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
14B08-02E	CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES

6

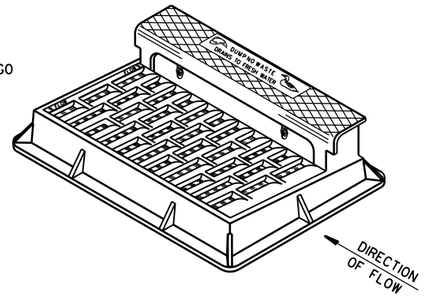
Standard Detail Drawing List

15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C09-12A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05	MEDIAN ISLAND MARKING
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-04	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D23-06A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-06B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-02C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D41-01	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING

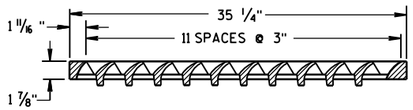
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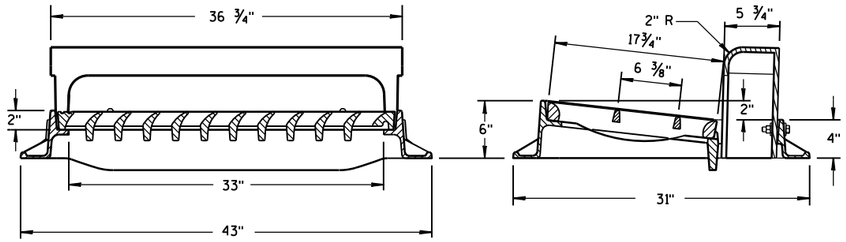


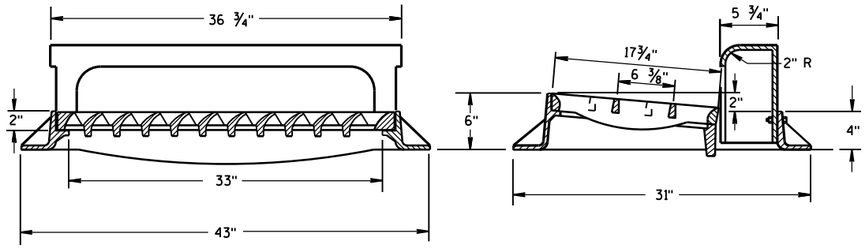
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

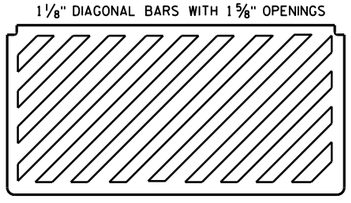






TYPE "H"

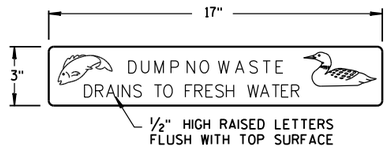
NOTE: EITHER CASTING IS ACCEPTABLE



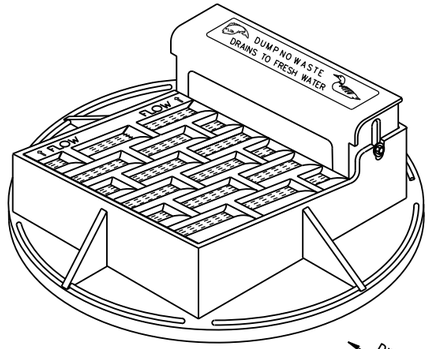
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

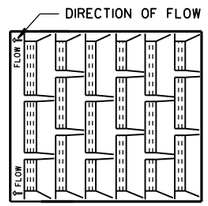
NOTE:
GRATE IS REVERSIBLE.

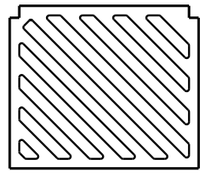
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

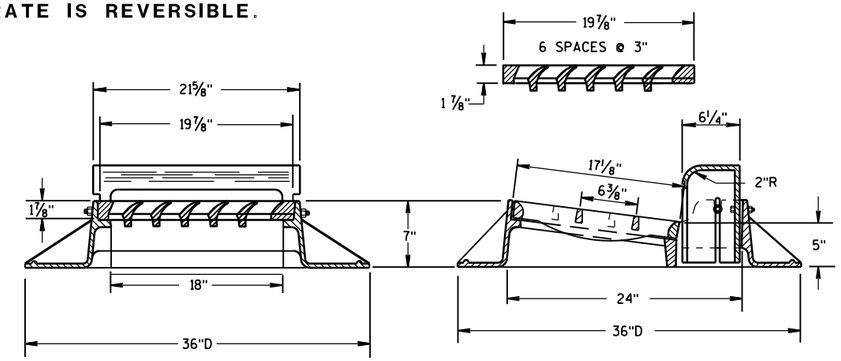




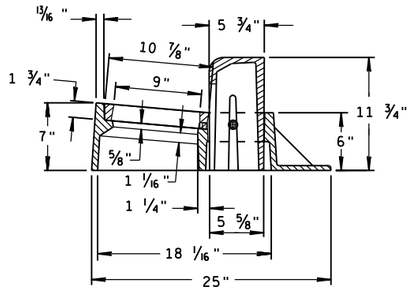
SPECIAL GRATE FOR TYPE "A" COVER

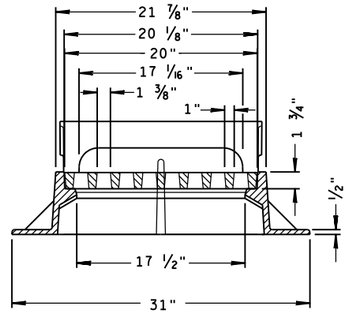
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

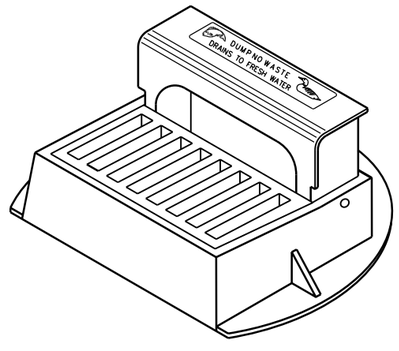


TYPE "A"





TYPE "Z"



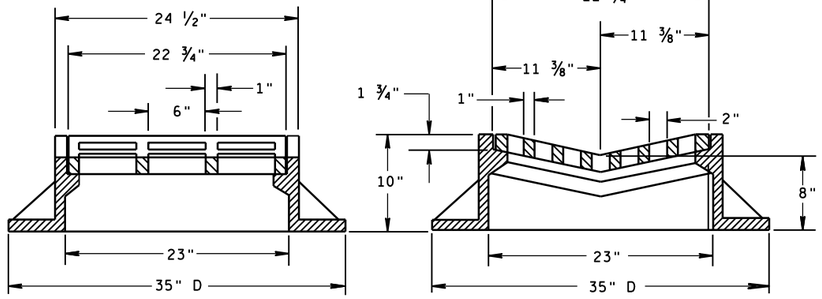
INLET COVERS
TYPE A, H, A-S, H-S & Z

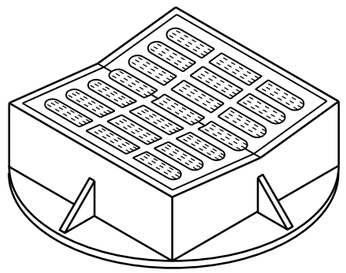
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

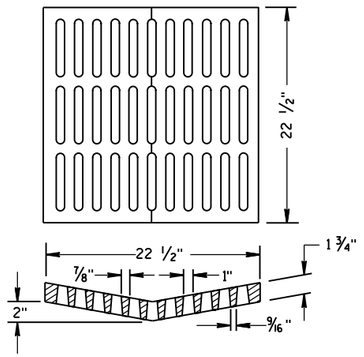
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S.D.D. 8 A 5-19a



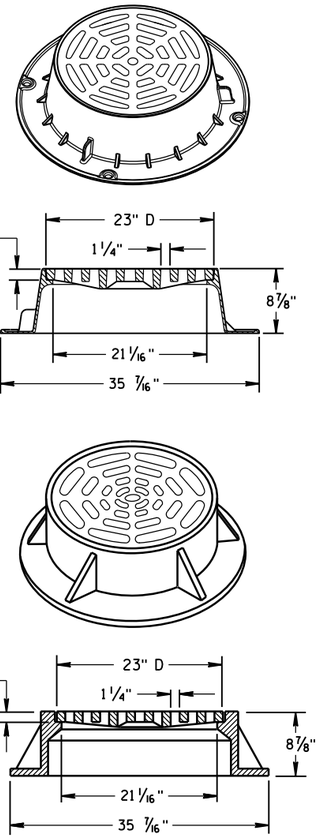


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

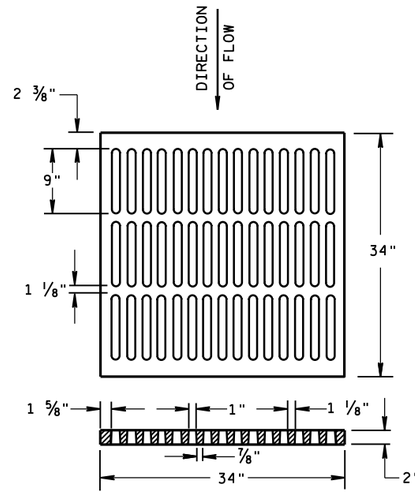
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

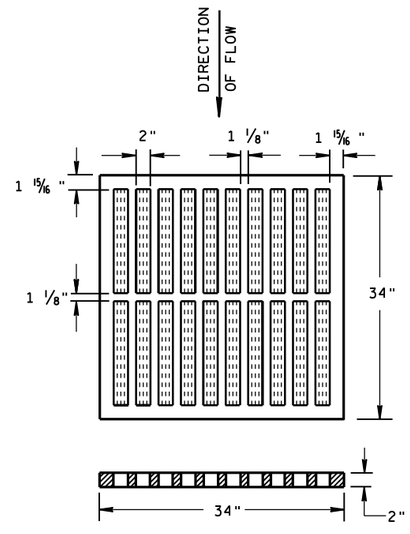
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



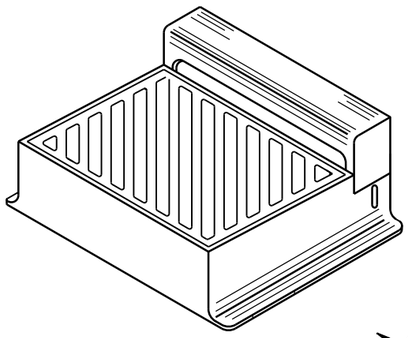
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

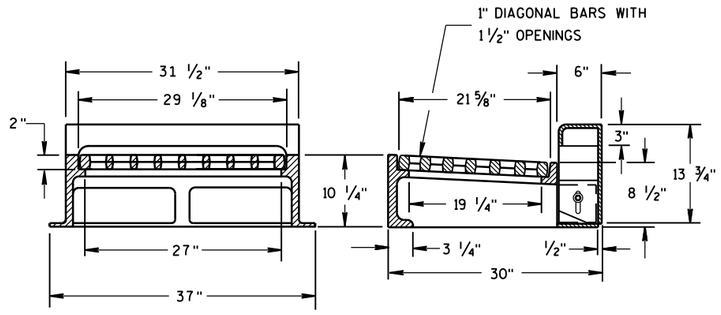


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

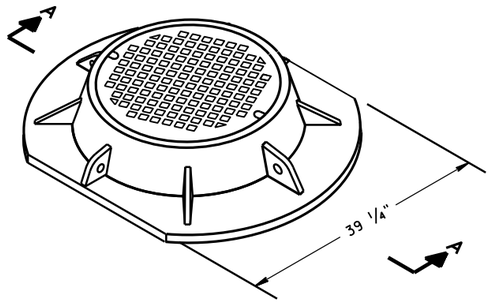
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

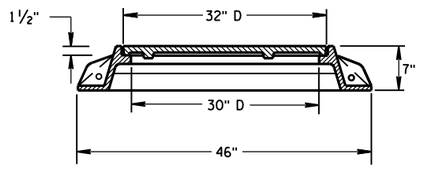
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

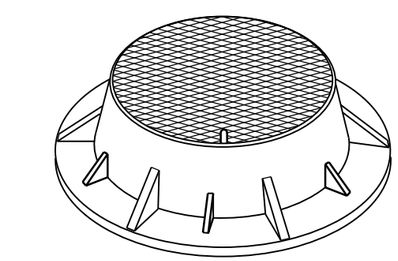
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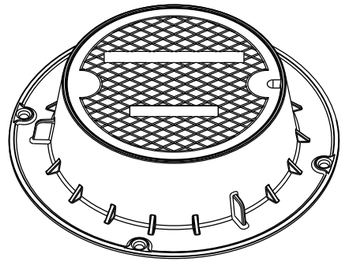
S.D.D. 8 A 5-19b

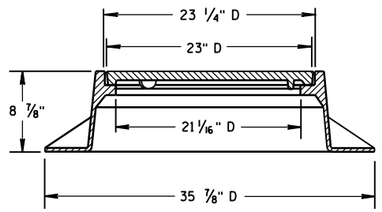


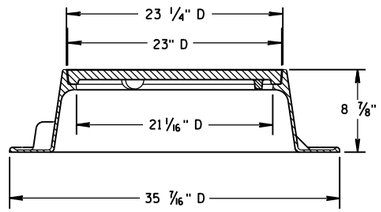


SECTION A-A
TYPE "K"









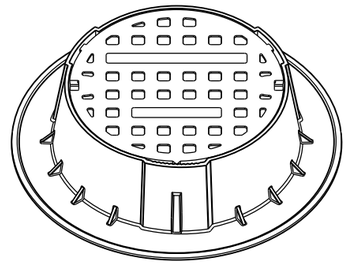
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

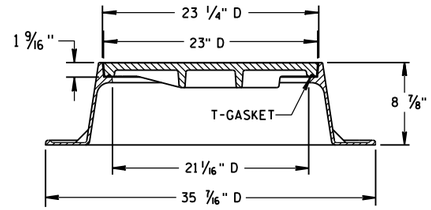
GENERAL NOTES

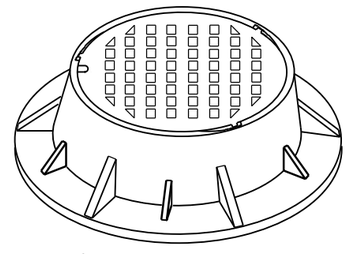
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

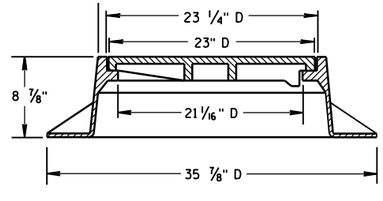
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

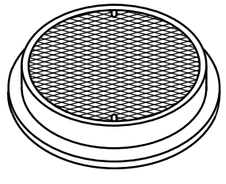


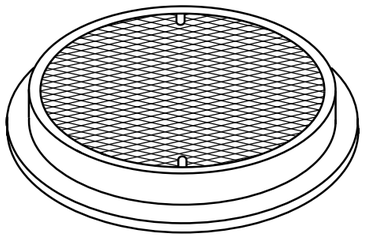


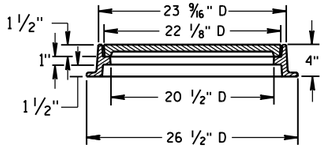




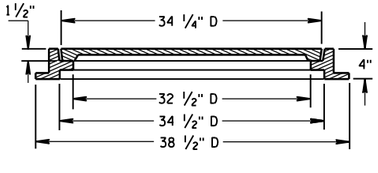
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



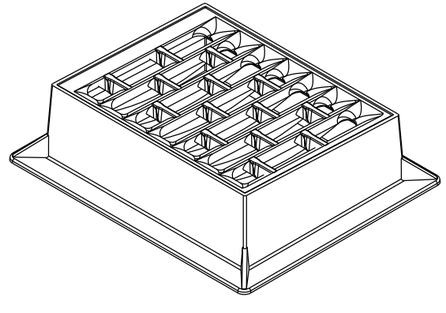


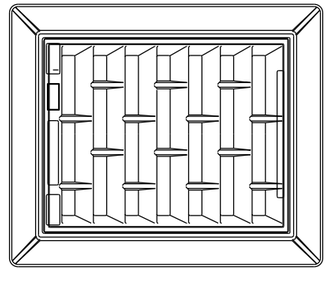


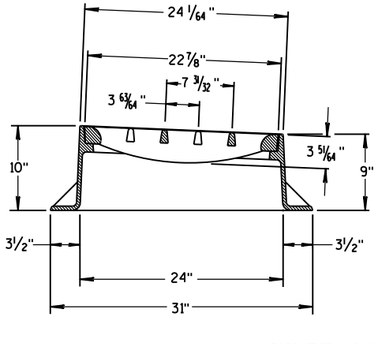
TYPE "L"

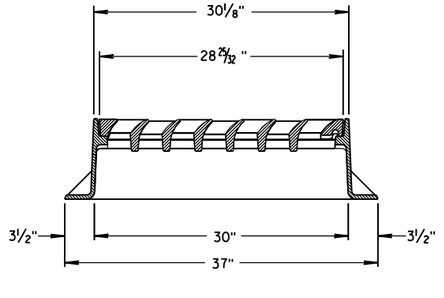


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

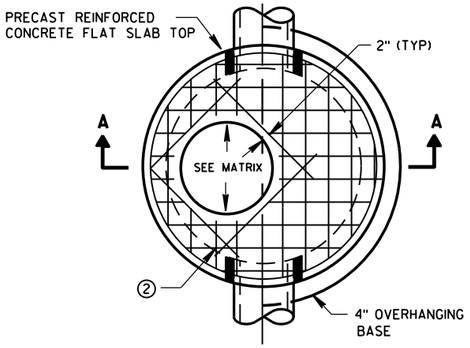
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

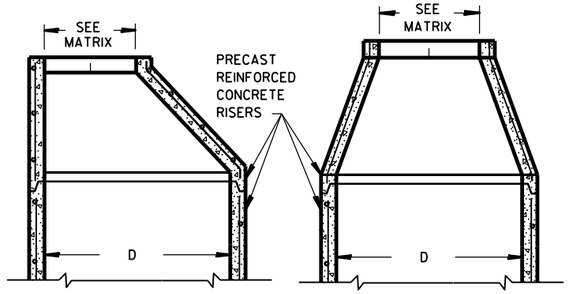
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

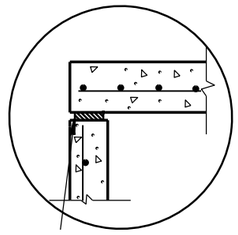


PLAN VIEW CIRCULAR OPENING

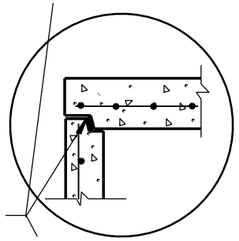


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

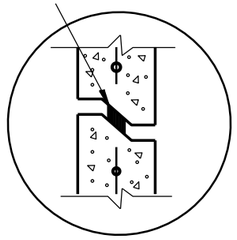


TOP WITH PLAIN END JOINT



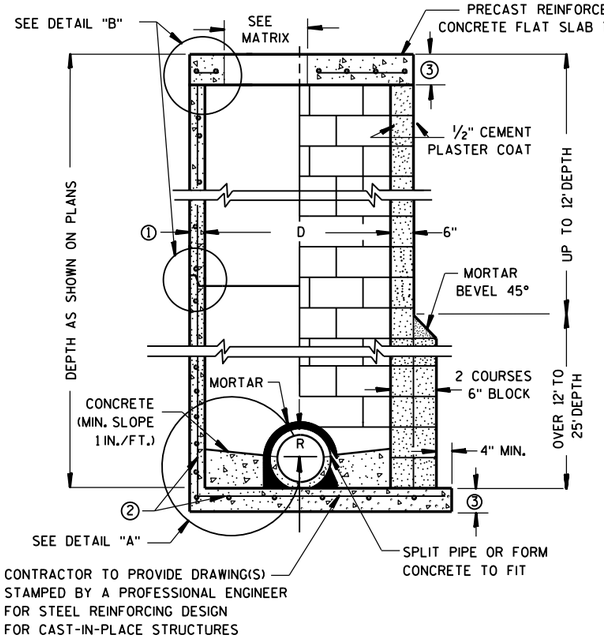
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



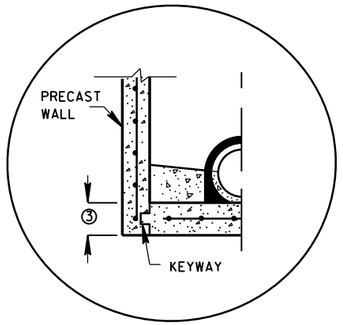
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

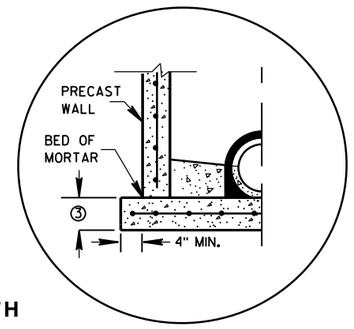


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

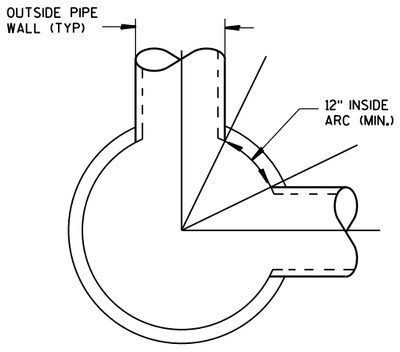


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

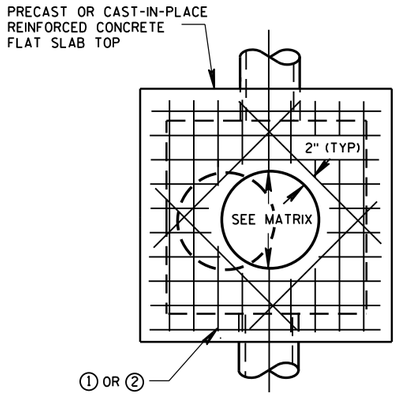
APPROVED

Sept., 2016
DATE

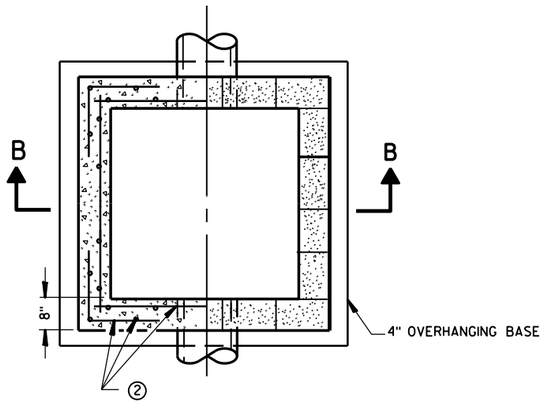
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
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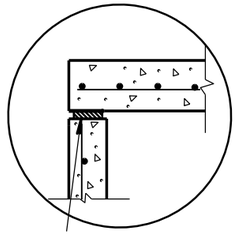
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S.D.D. 8 B 9-2



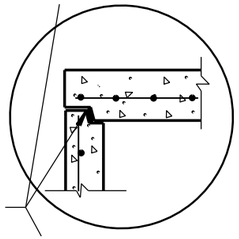
PLAN VIEW
CIRCULAR OPENING



SECTION A-A
PLAN VIEW

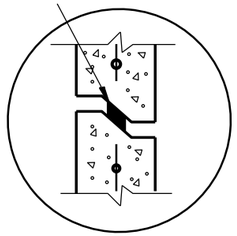


TOP WITH PLAIN END JOINT



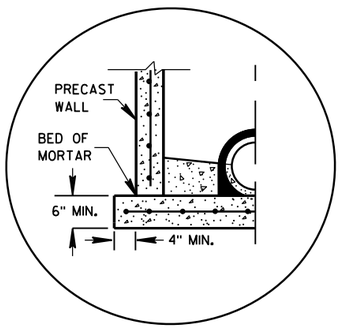
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



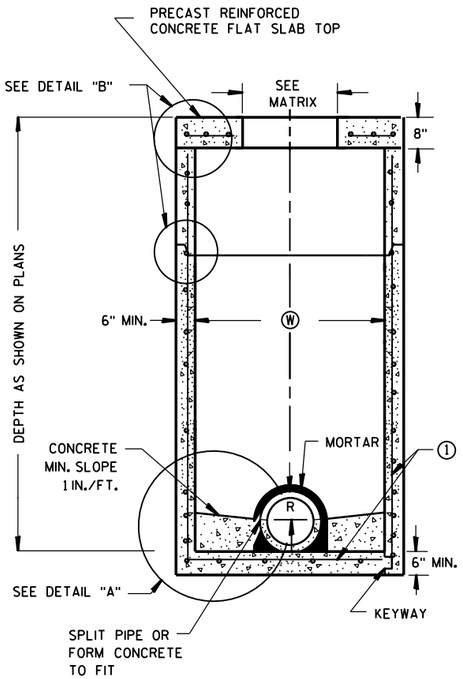
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

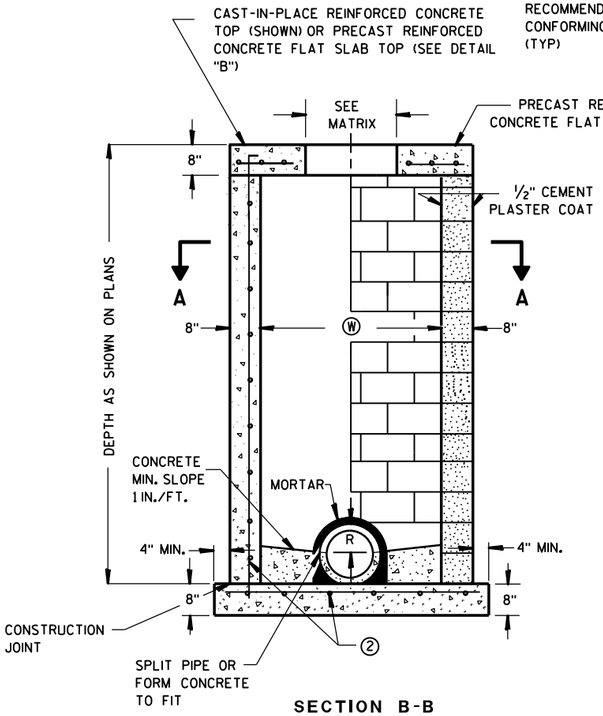


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE



SECTION B-B

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN WIDTH.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "C". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

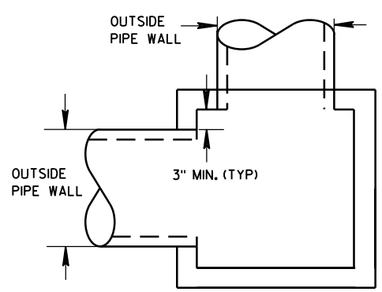
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (W) (IN)	LENGTH (L) (IN)
3X3-FT	24	24
4X4-FT	30	30
5X5-FT	42	42
6X6-FT	54	54



DETAIL "C"

SQUARE MANHOLES W/ FLAT TOP

MANHOLES 3X3-FT, 4X4-FT, 5X5-FT AND 6X6-FT

MANHOLES 3X3-FT, 4X4-FT 5X5-FT AND 6X6-FT

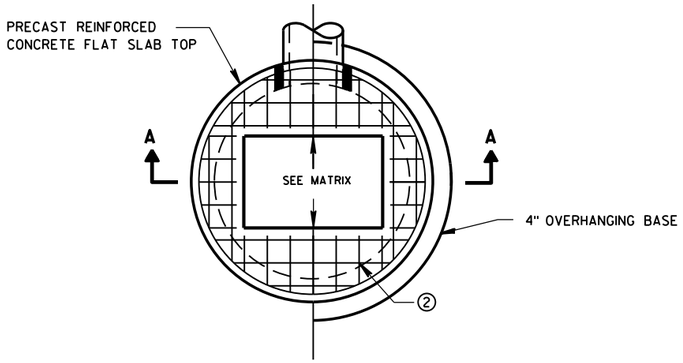
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
FHWA

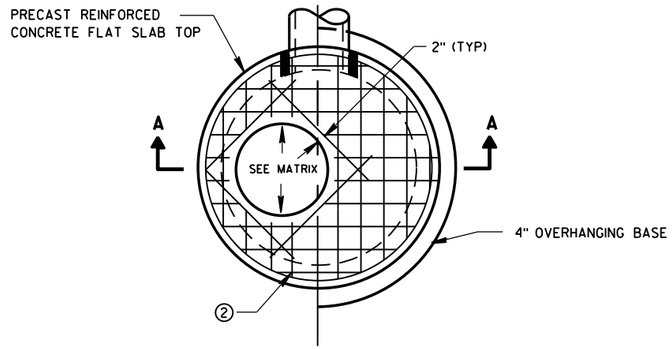
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR

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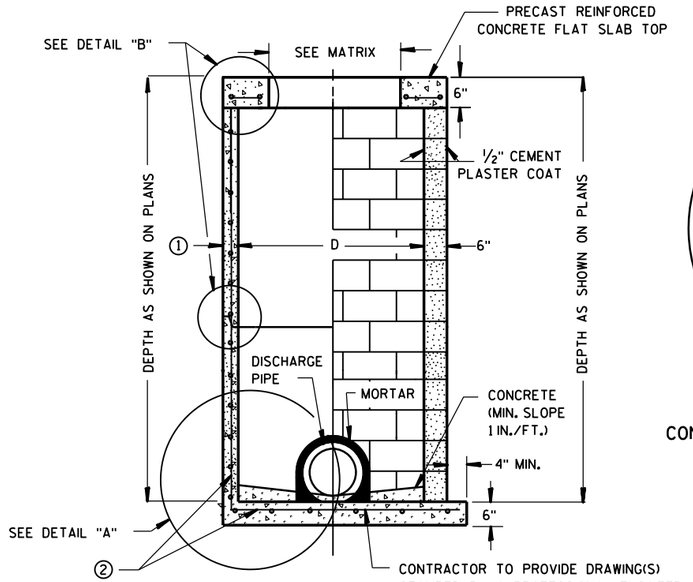
S.D.D. 8 B 10-2



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

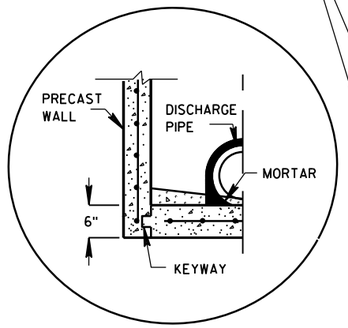


SECTION A-A

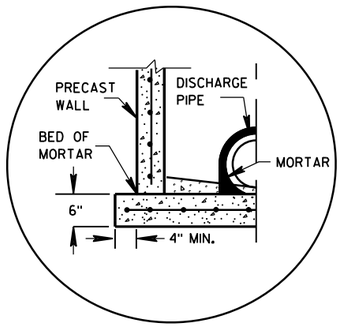
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

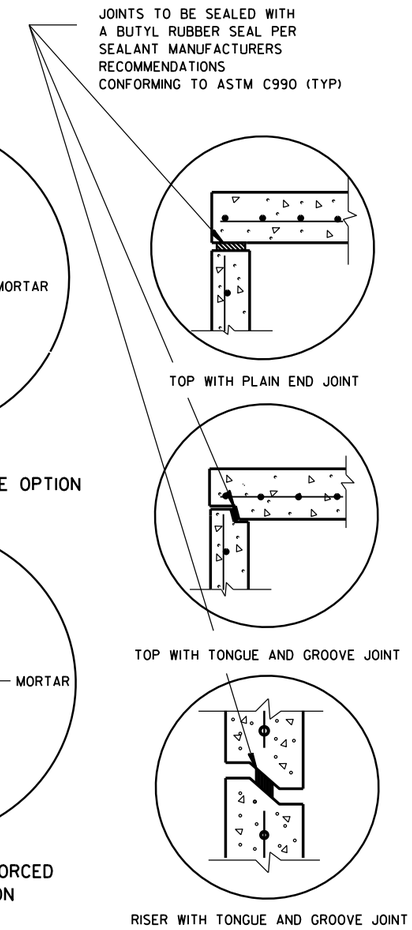


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

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DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

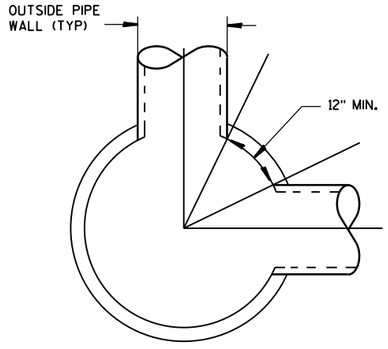
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

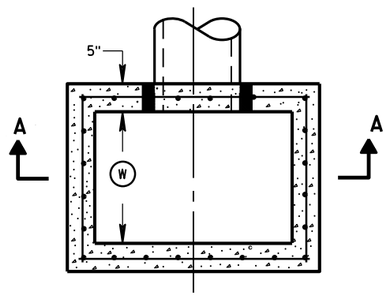
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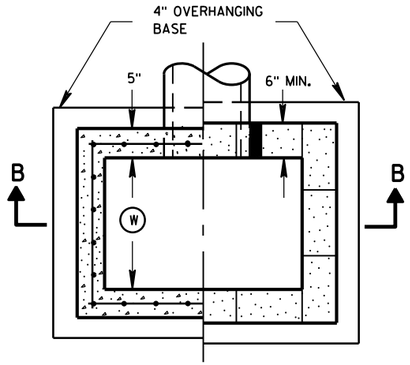
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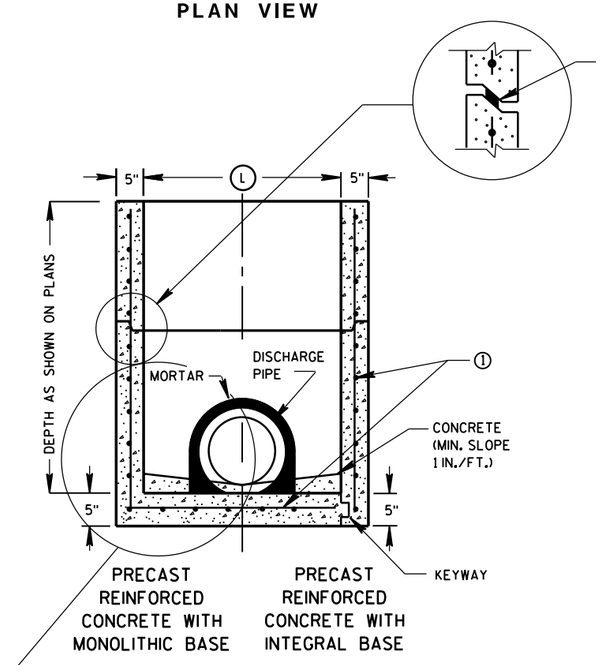
INLETS 3-FT AND 4-FT DIAMETER



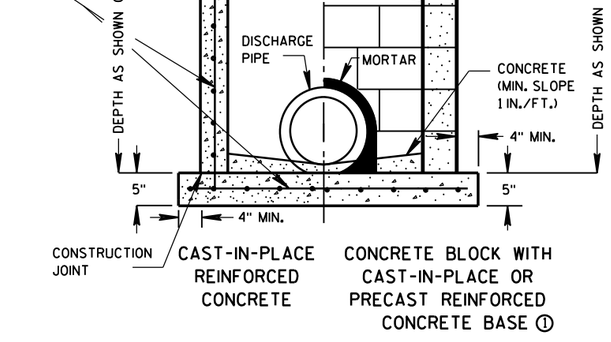
PLAN VIEW



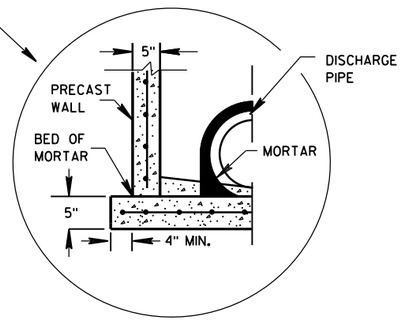
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

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ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

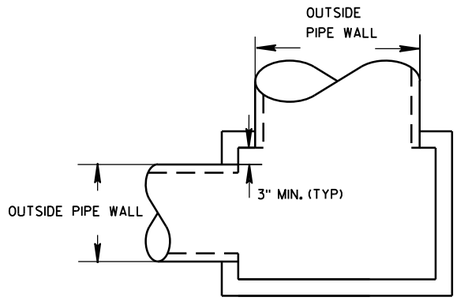
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH Ⓦ (FT)	LENGTH Ⓛ (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

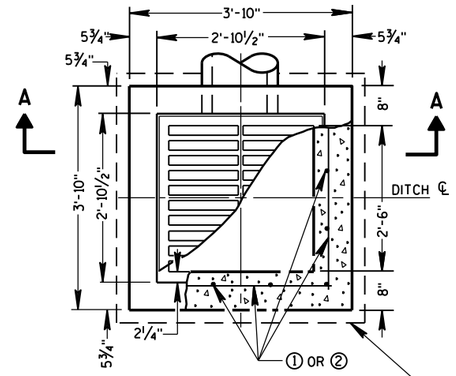
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

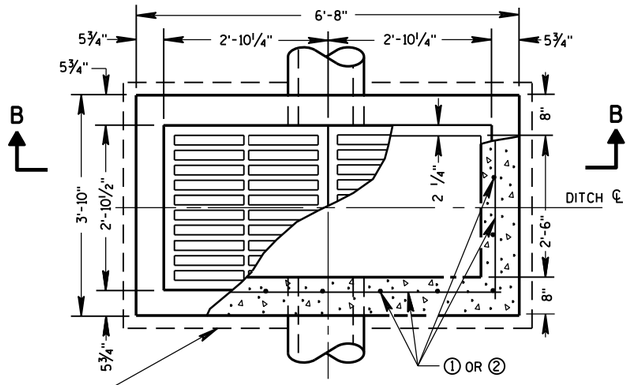
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

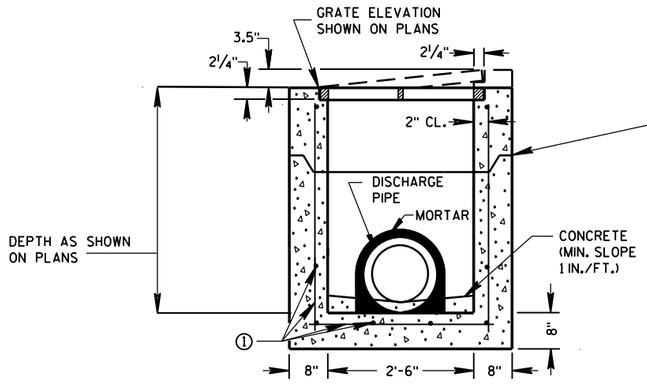


PLAN VIEW

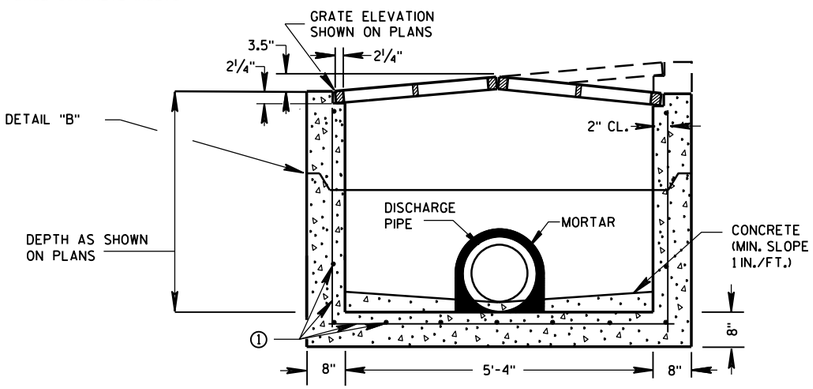


PLAN VIEW

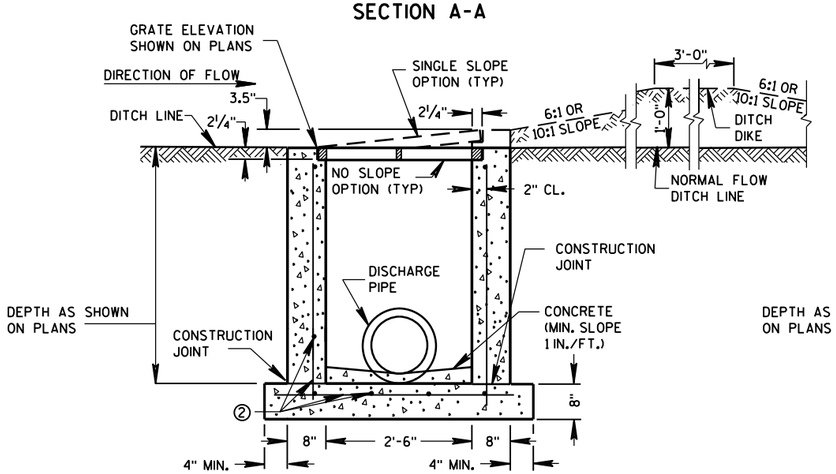
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



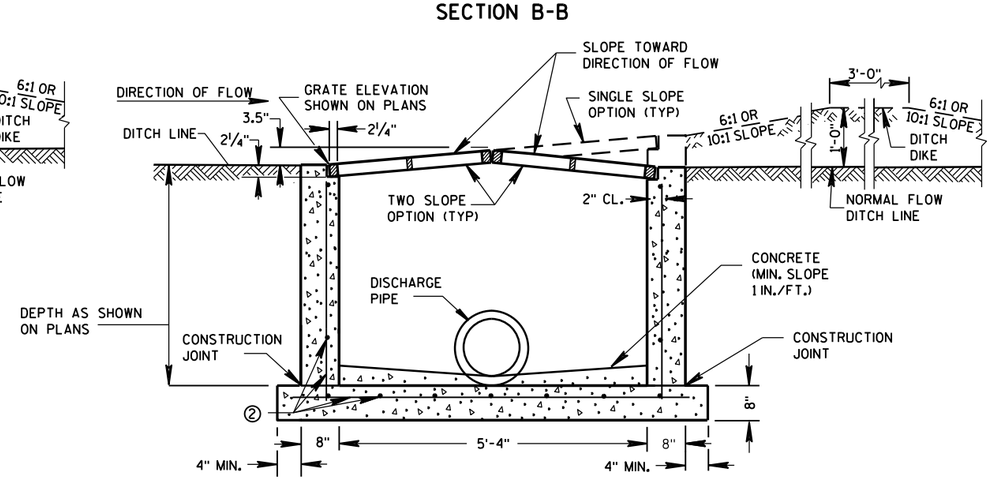
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

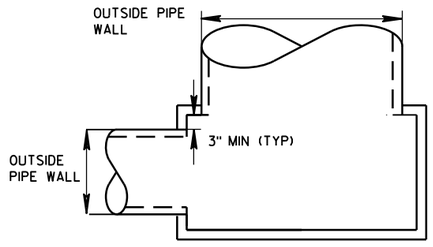
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

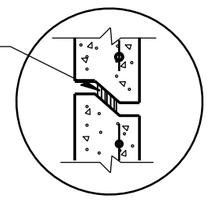
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



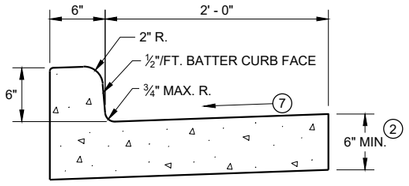
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

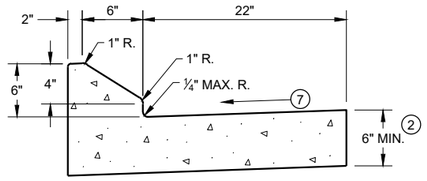
STATE OF WISCONSIN
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Sept., 2016 — DATE
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FHWA

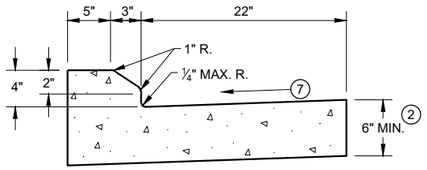
6
S.D.D. 8 C 8-2



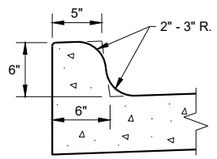
TYPES A (1) & D



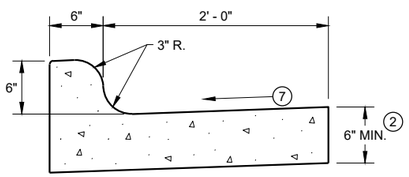
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

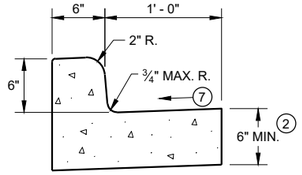


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



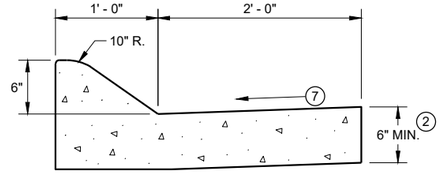
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

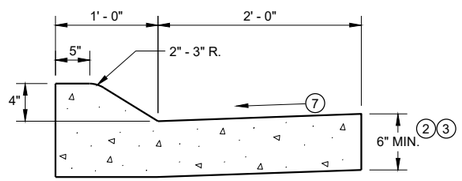


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

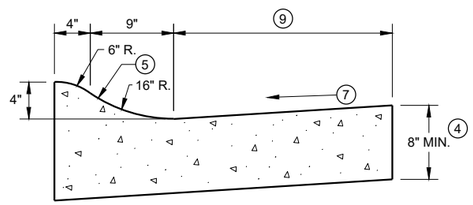


6" SLOPED CURB TYPES A (1) & D



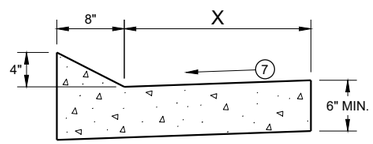
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

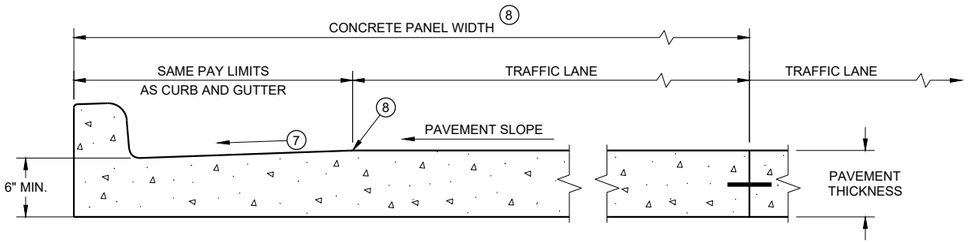


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

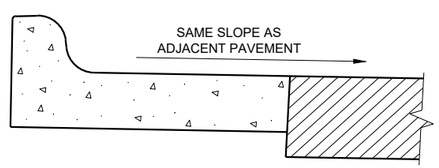
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES 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.

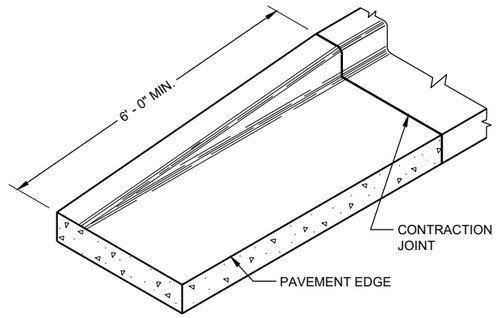
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

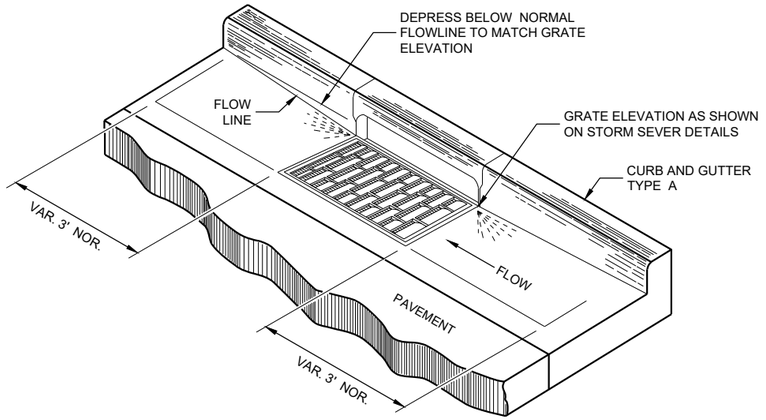
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D01 - 22a
SDD 08D01 - 22a



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.

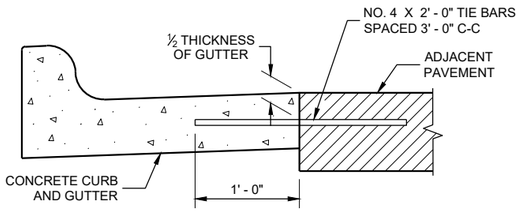
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

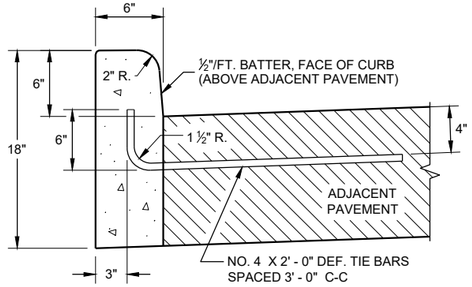
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

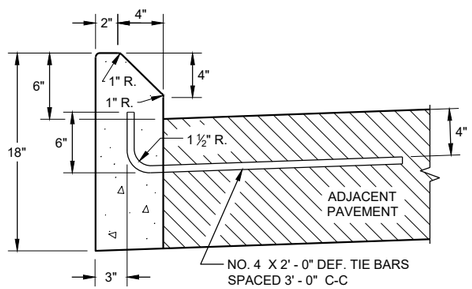
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

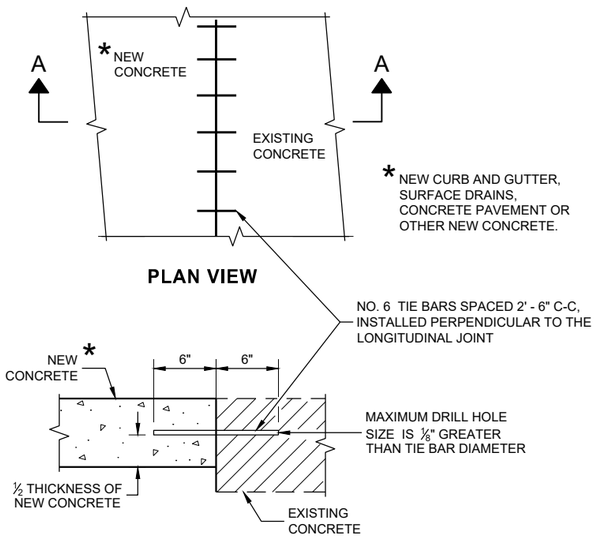


TYPES A (1) & D



TYPES G (1) & J

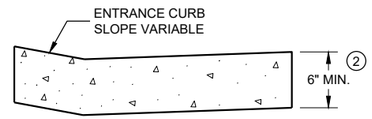
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

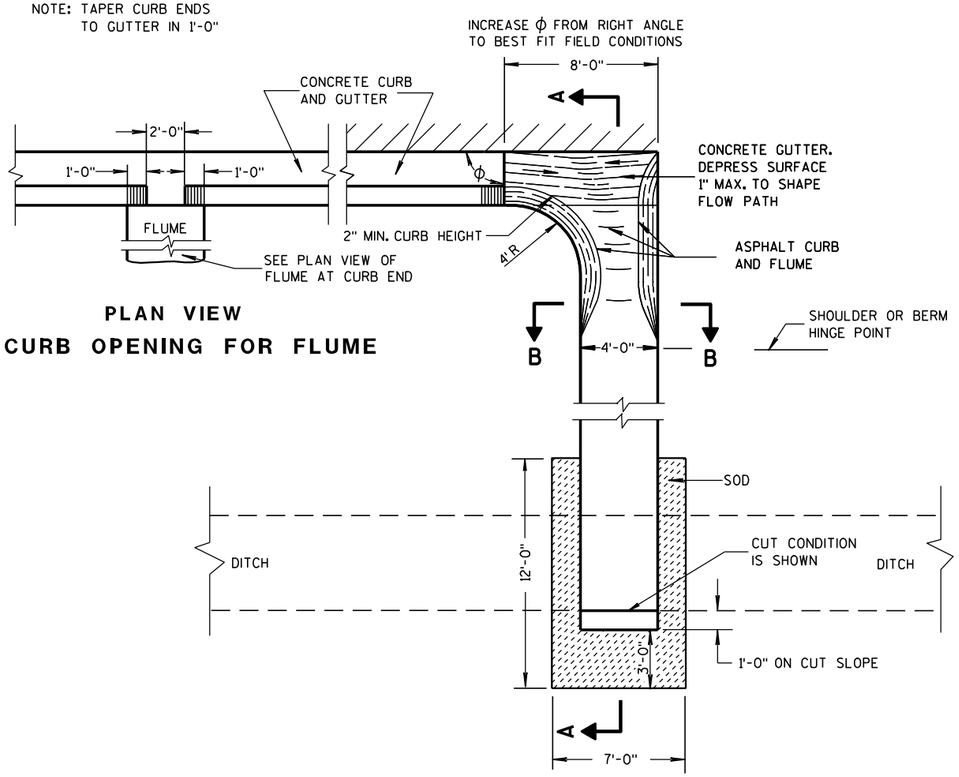
APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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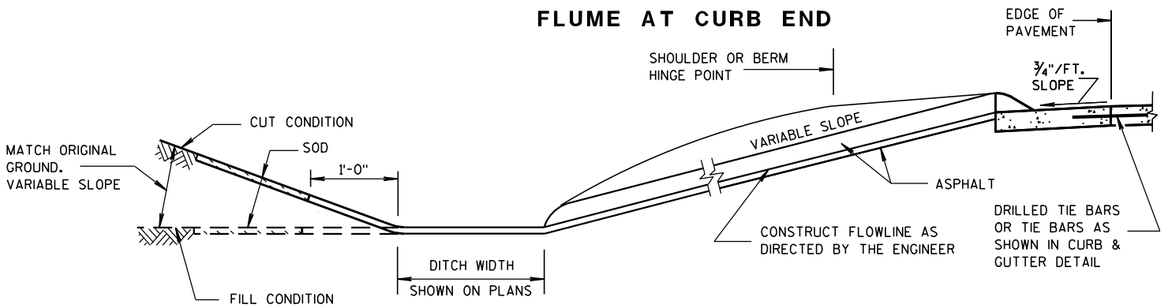
SDD08D01 - 22b

ASPHALTIC FLUME

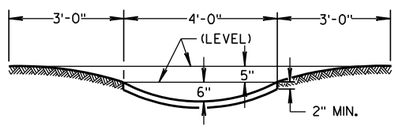


PLAN VIEW
CURB OPENING FOR FLUME

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.

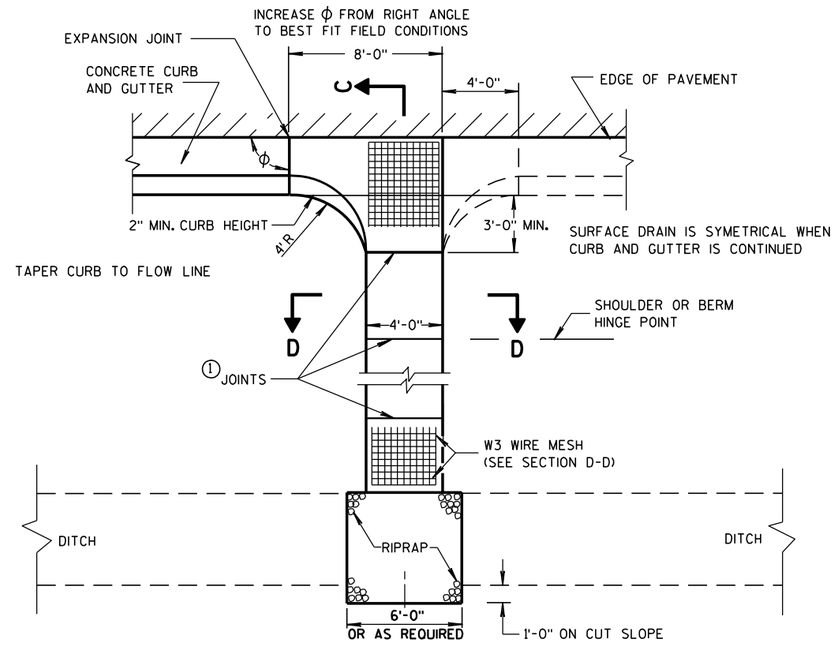
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

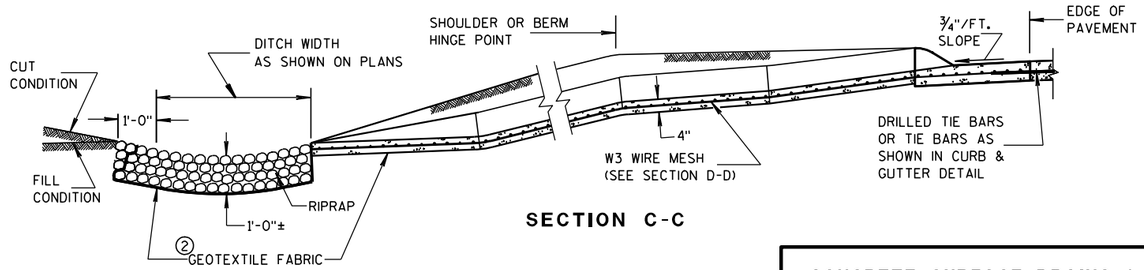
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

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

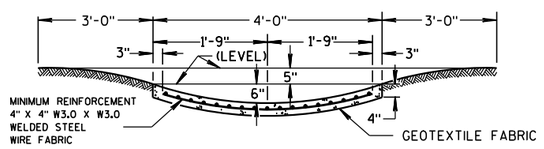
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

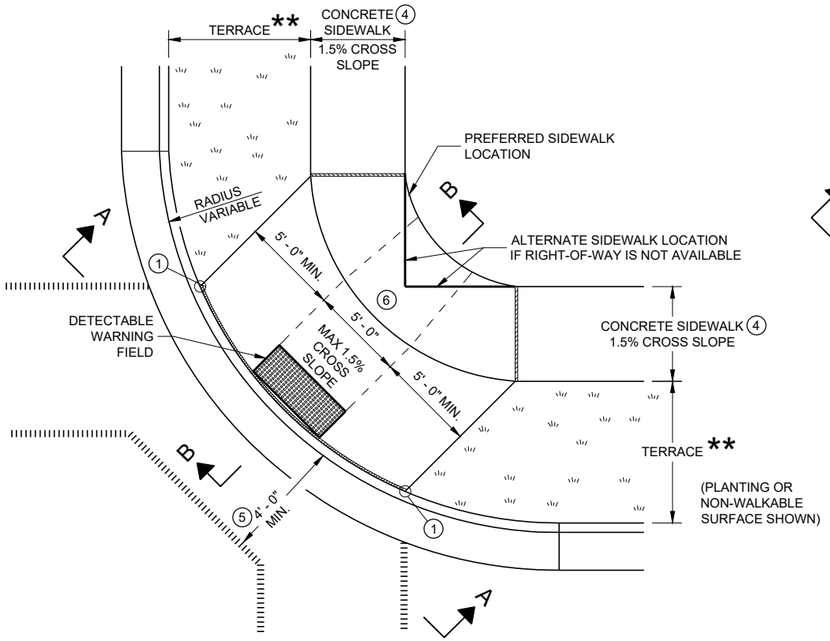
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

6

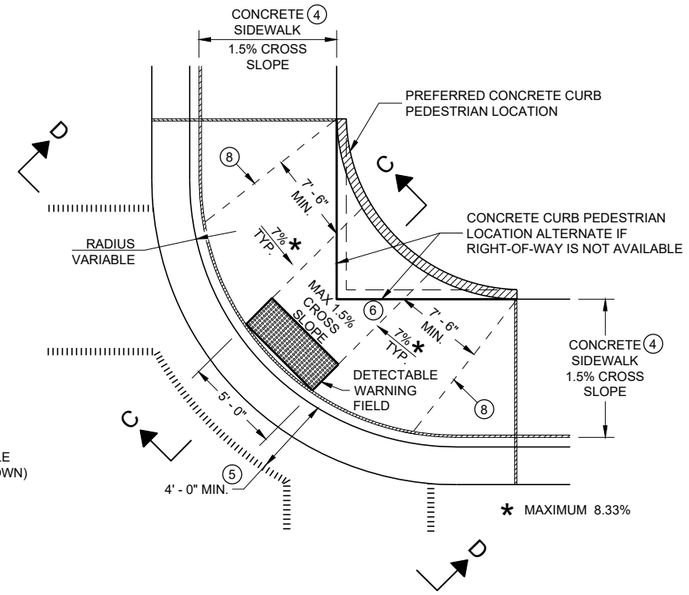
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

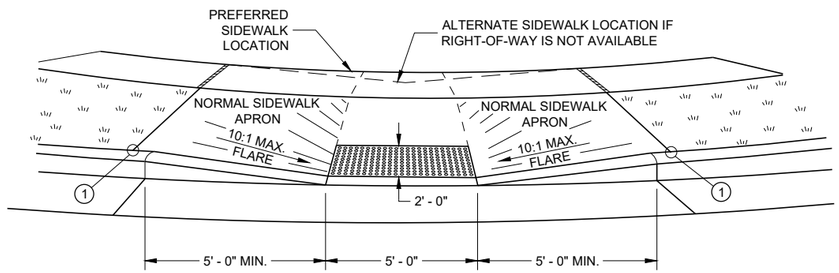
(CENTER OF CORNER RADIUS)



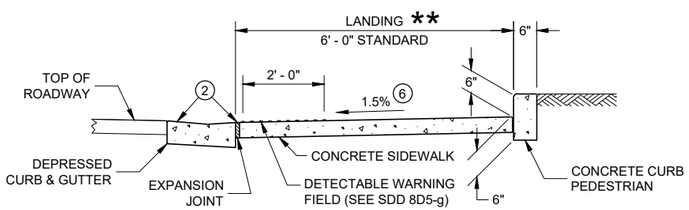
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

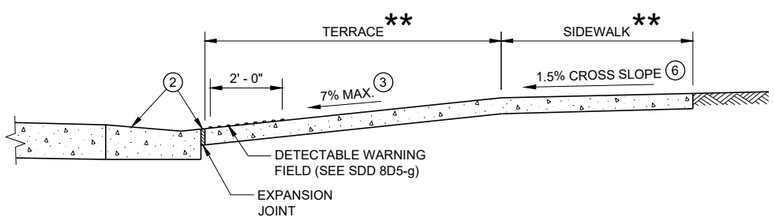


VIEW A - A FOR TYPE 1

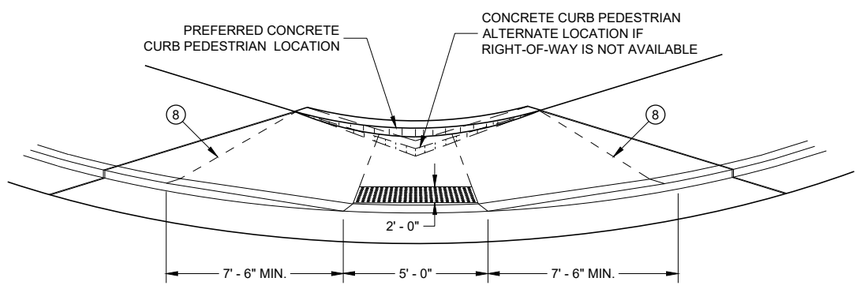


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

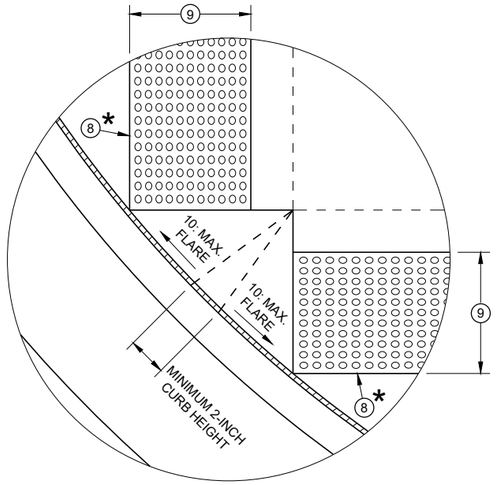
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

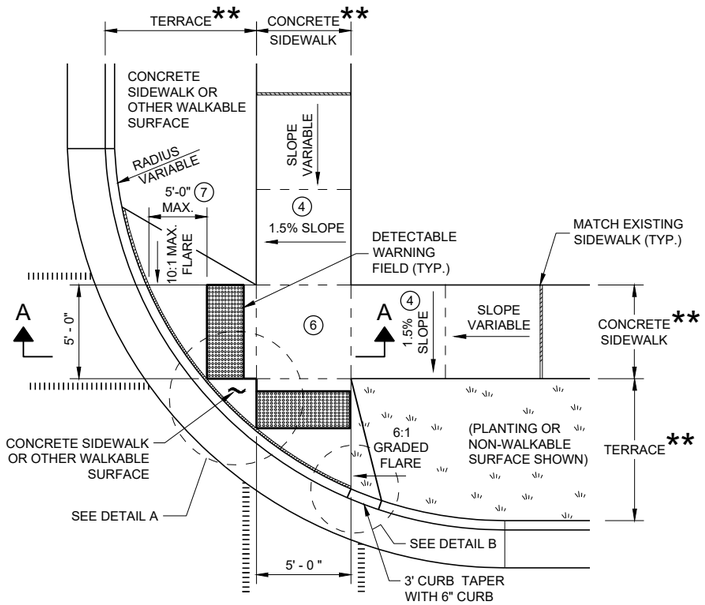
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a
SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

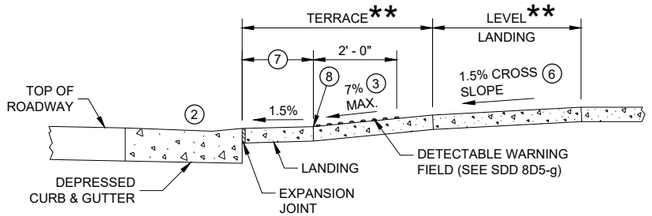
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

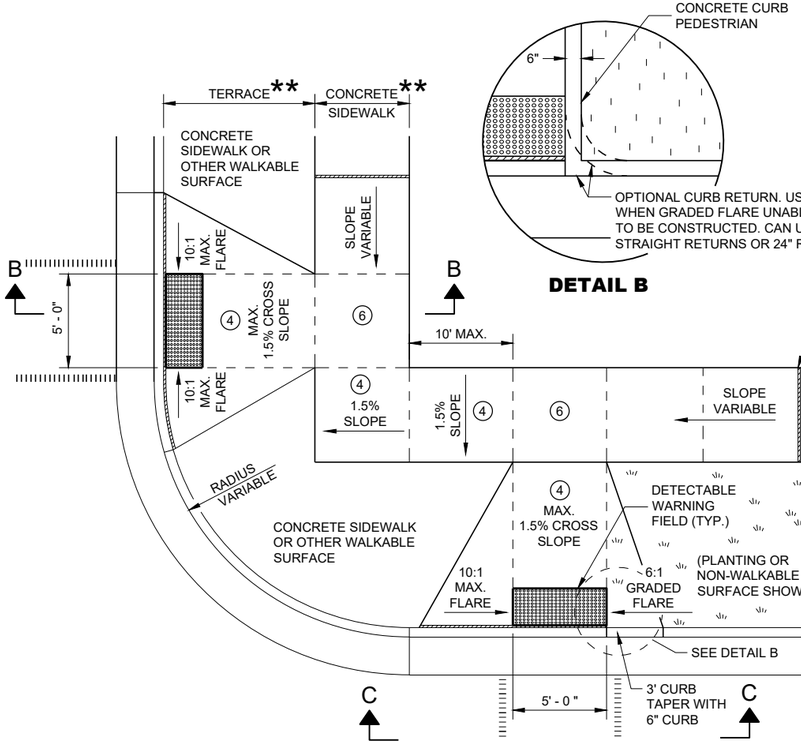
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

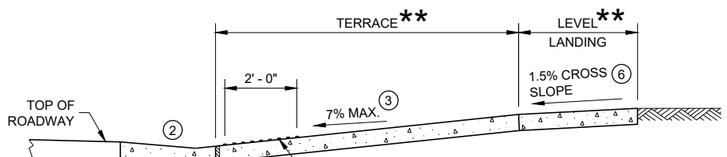
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

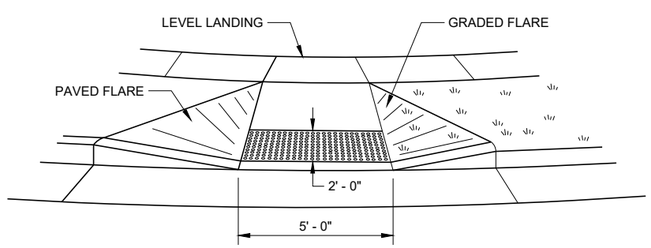


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

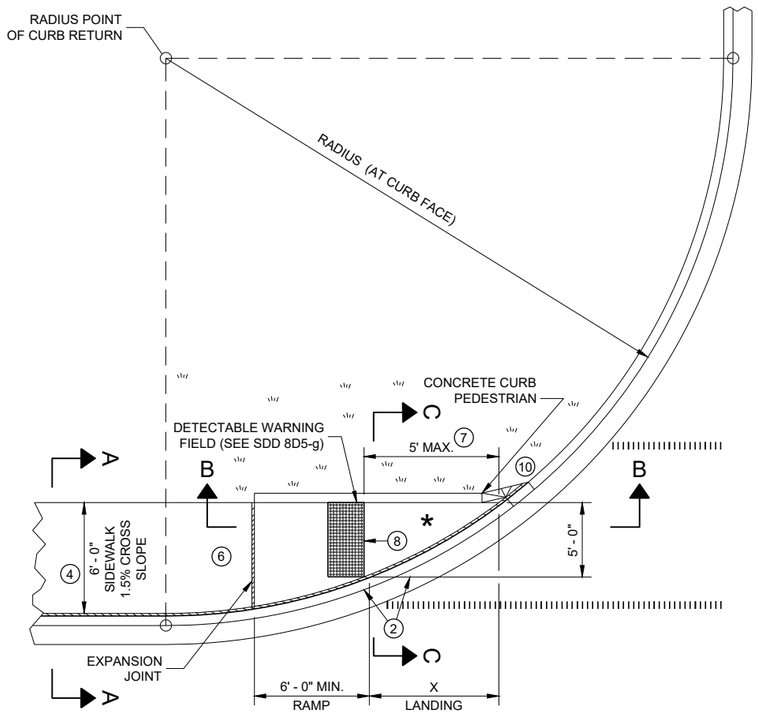
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

6

SDD 08D05 - 20b

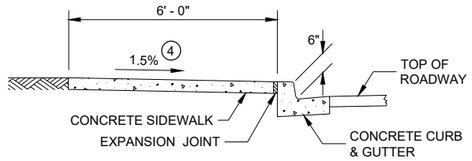


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

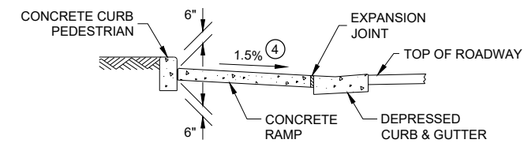
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

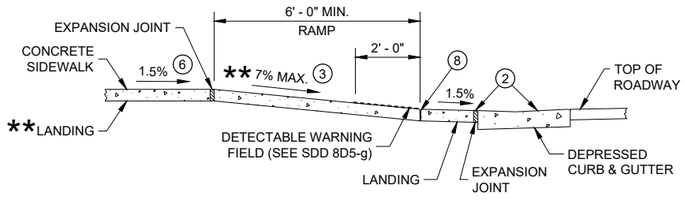
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



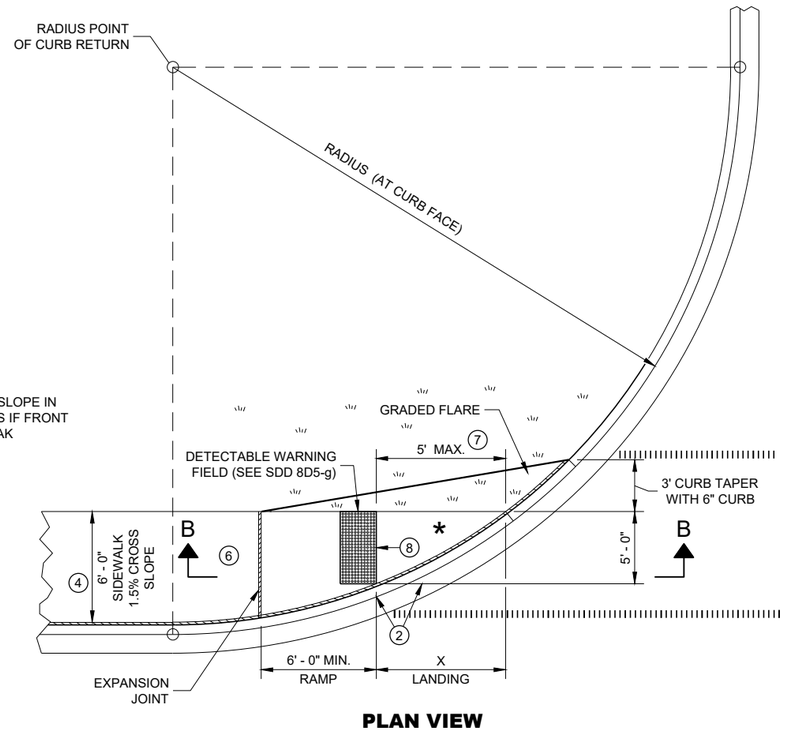
SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

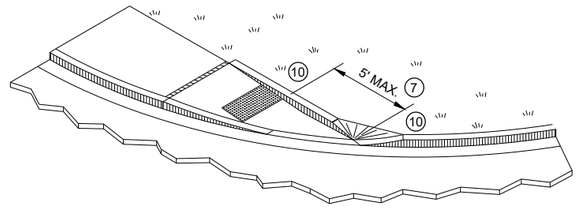
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

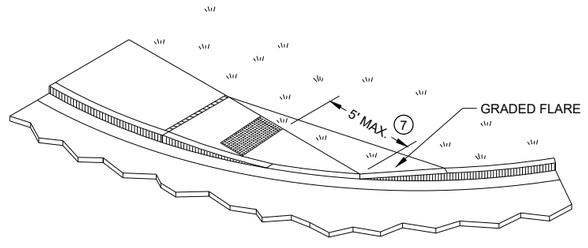


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



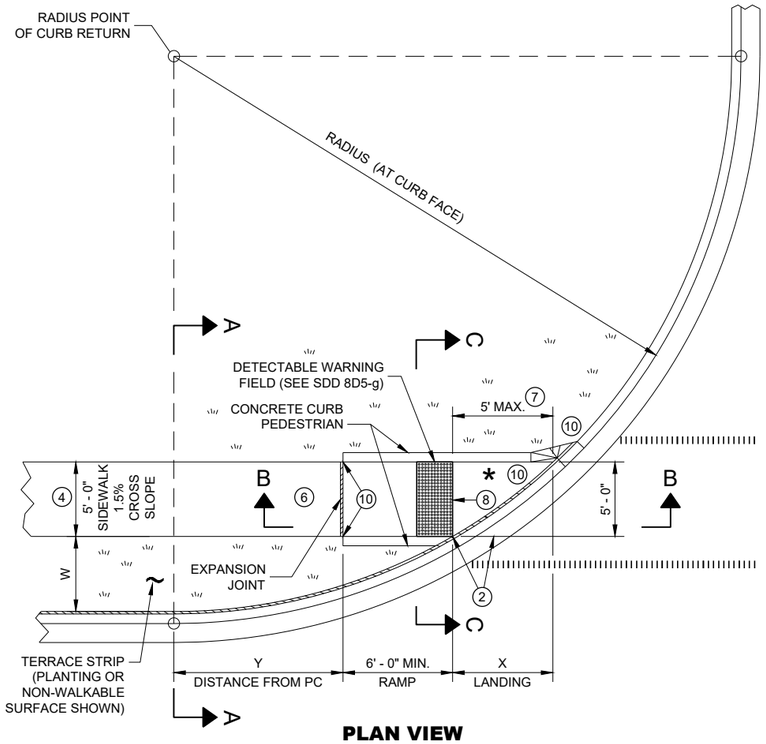
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c

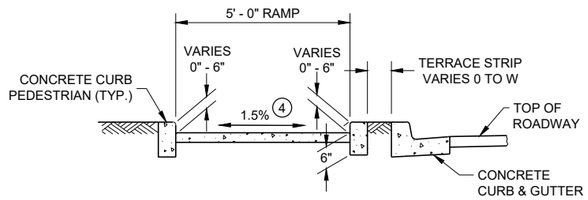


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

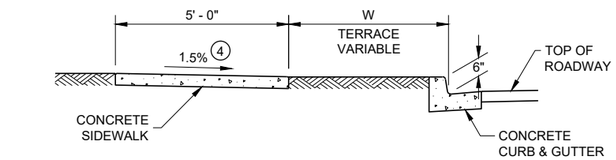
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

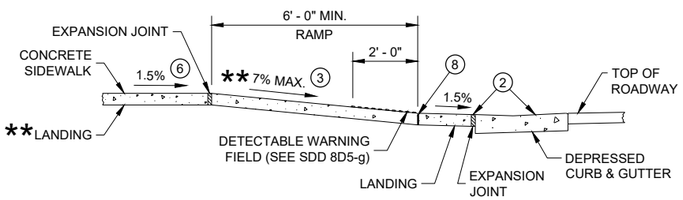
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



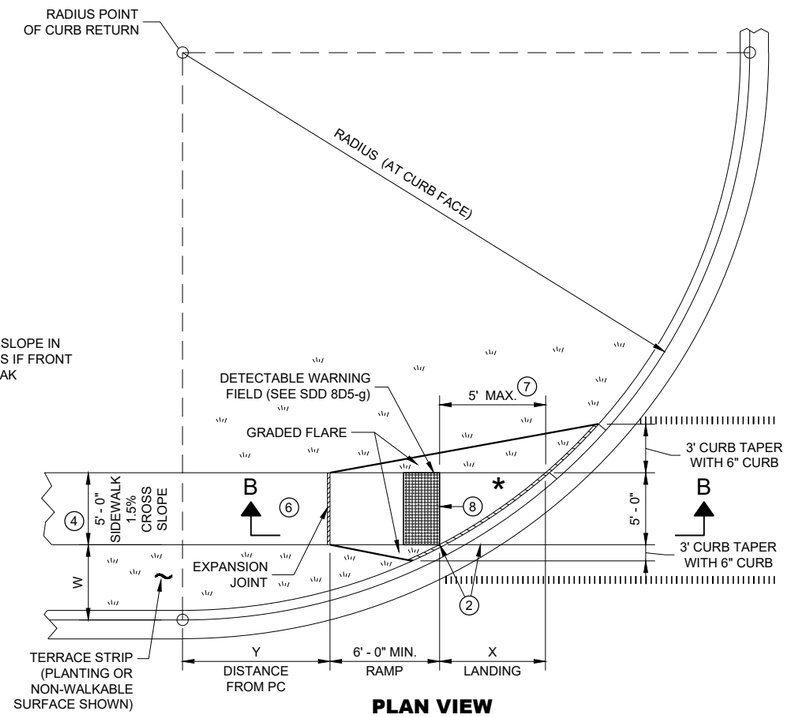
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

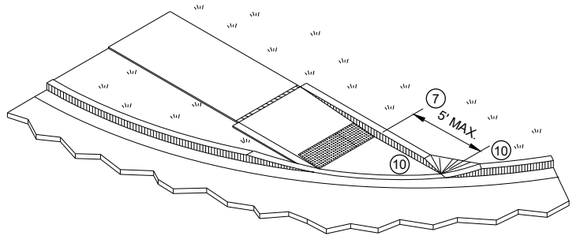
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

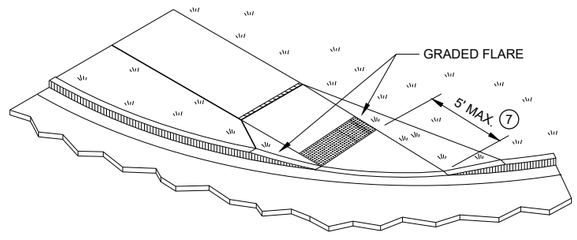


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



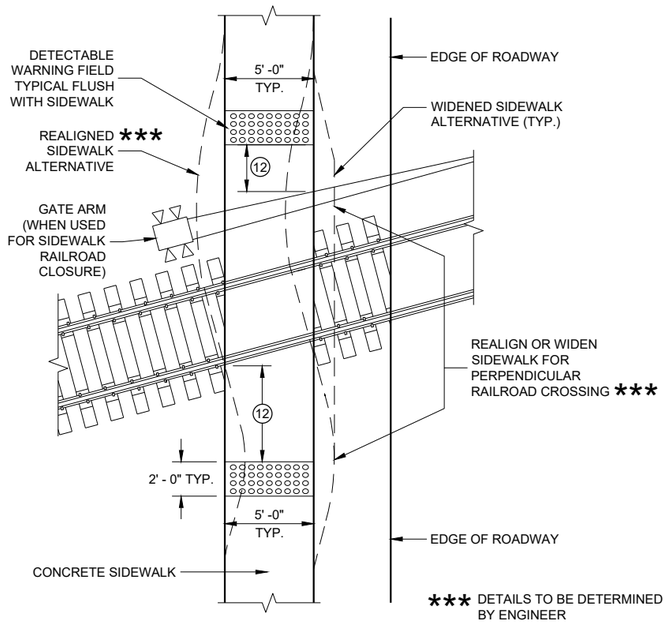
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

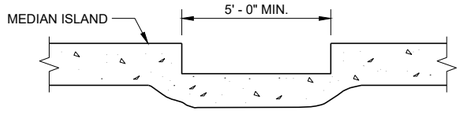
6

SDD 08D05 - 20d

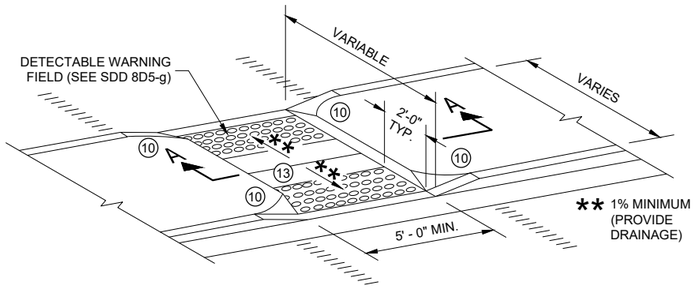


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

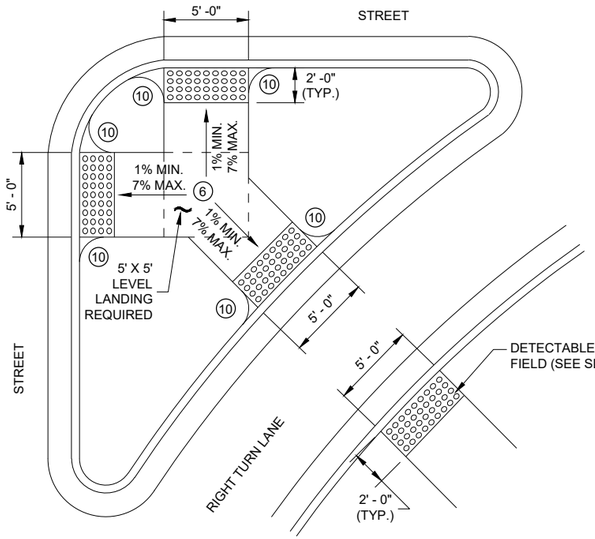
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

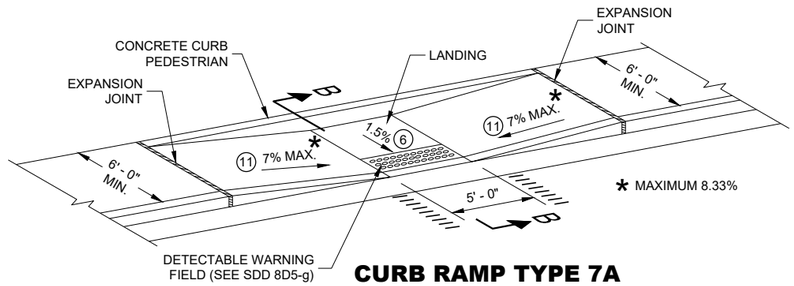
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

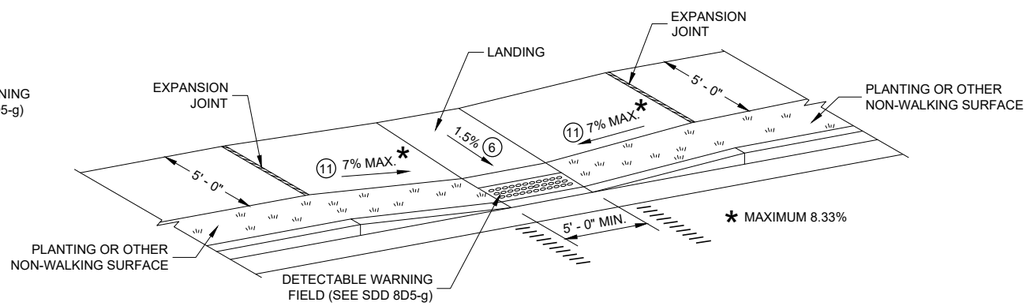
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

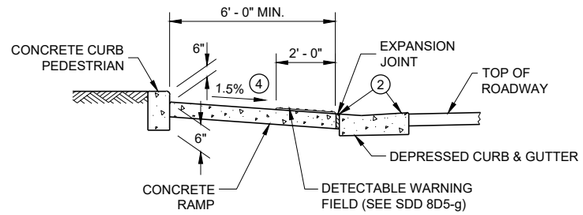
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

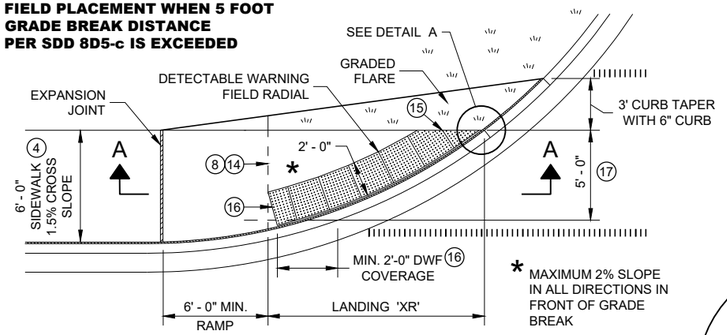
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

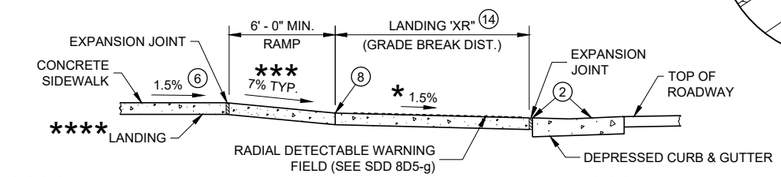
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

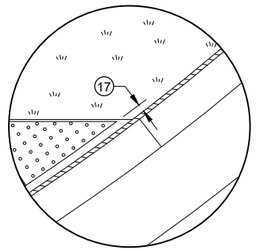
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

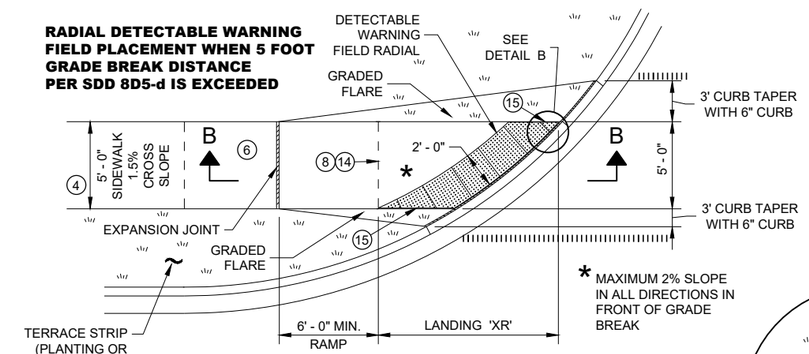
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

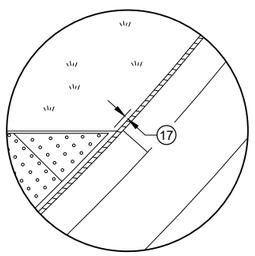
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



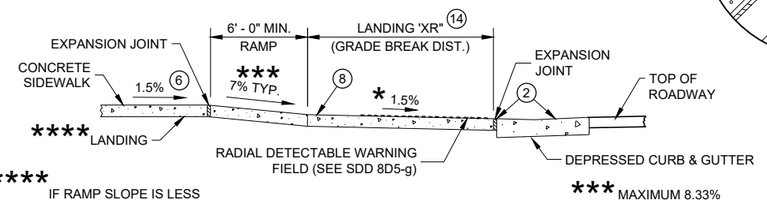
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

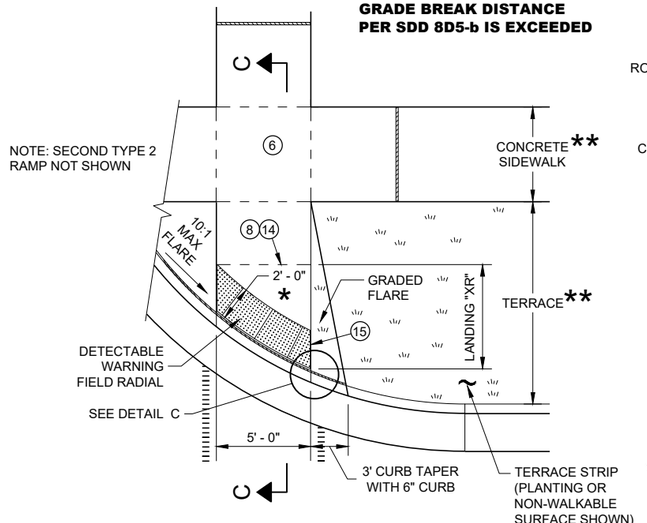


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

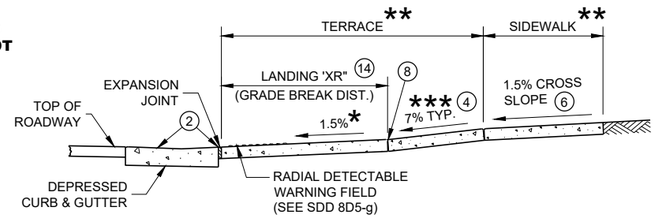


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

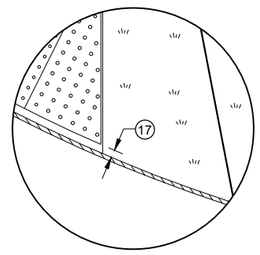


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

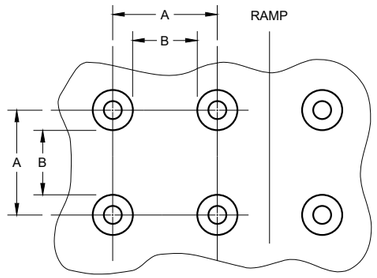
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20f

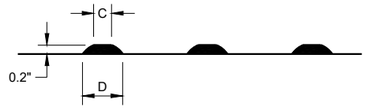
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

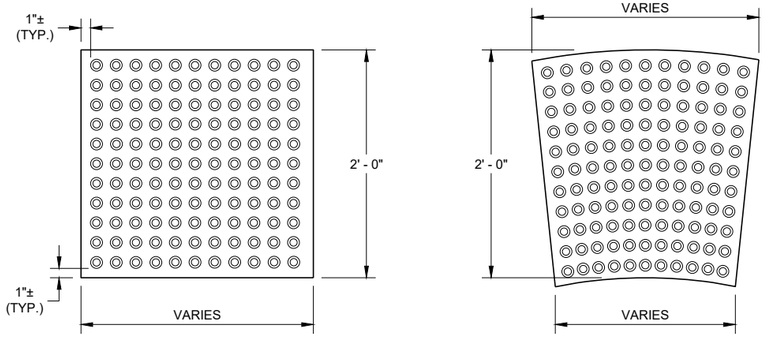


PLAN VIEW



ELEVATION VIEW

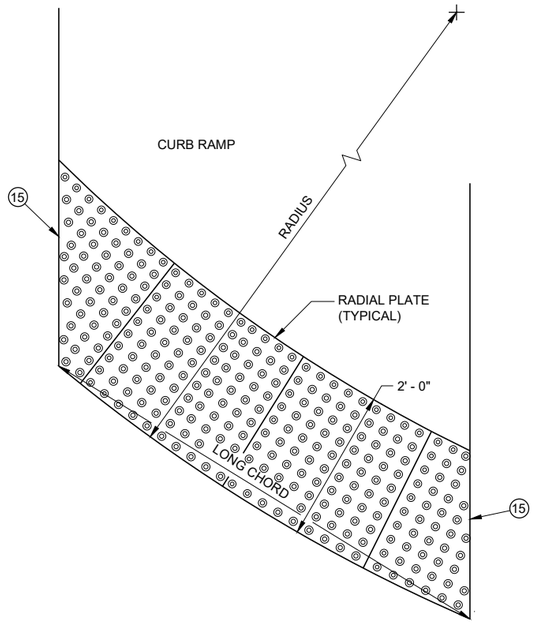
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

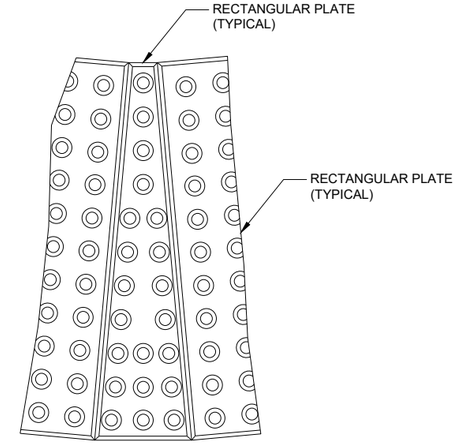
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

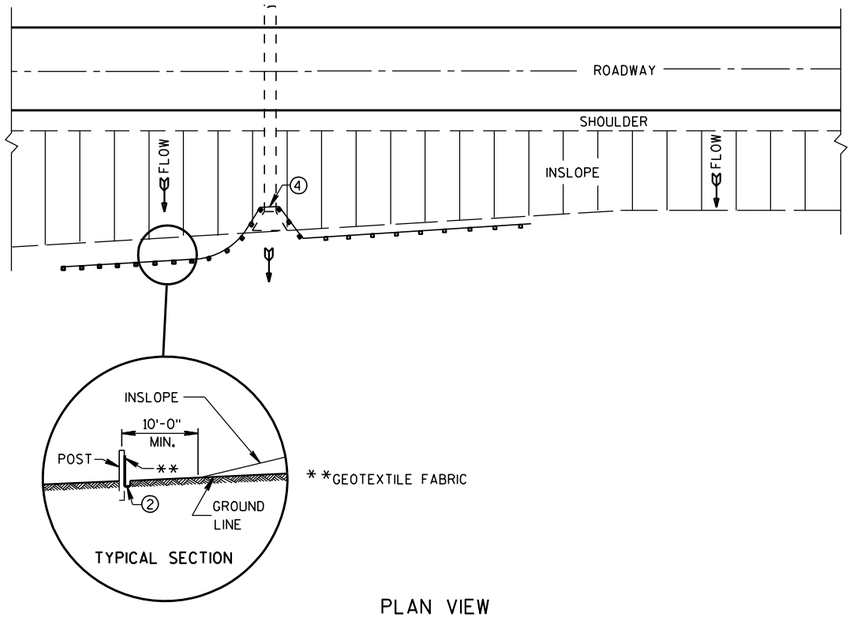
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

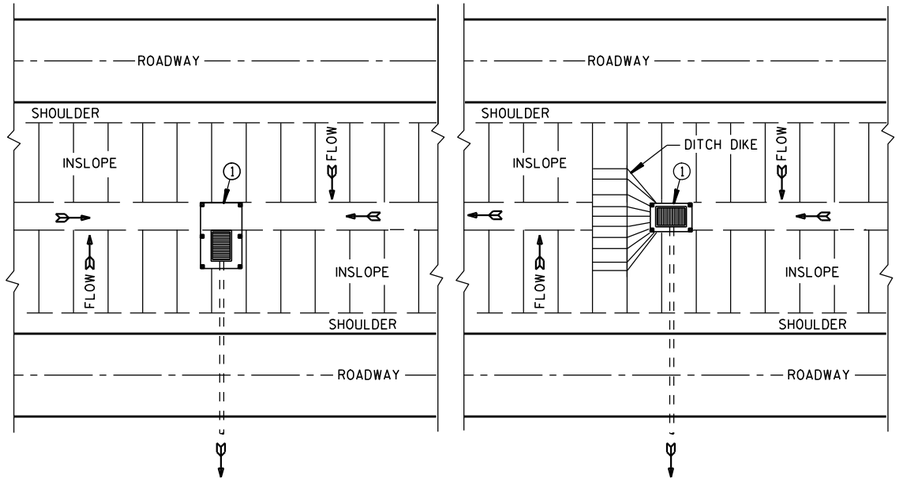
6

SDD 08D05 - 20g



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.

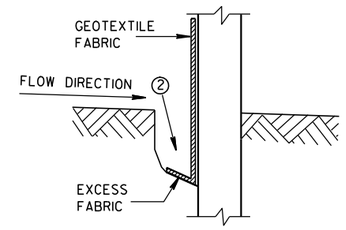
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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.

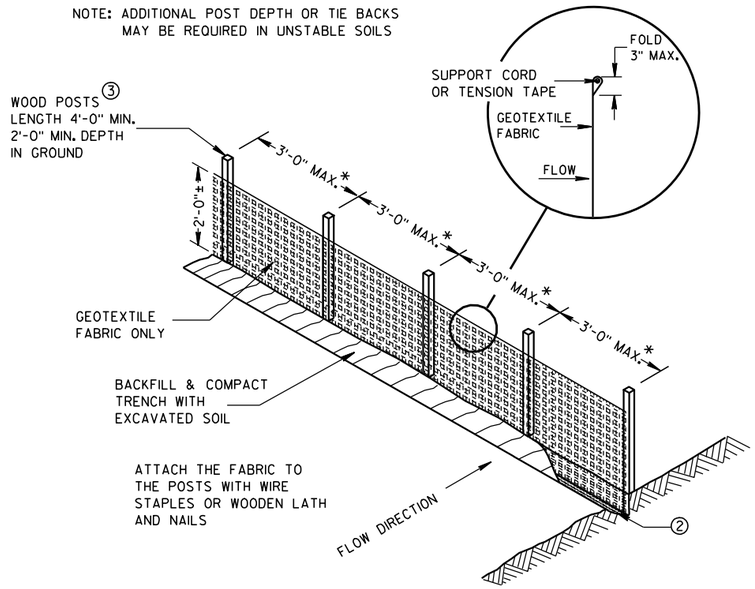
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

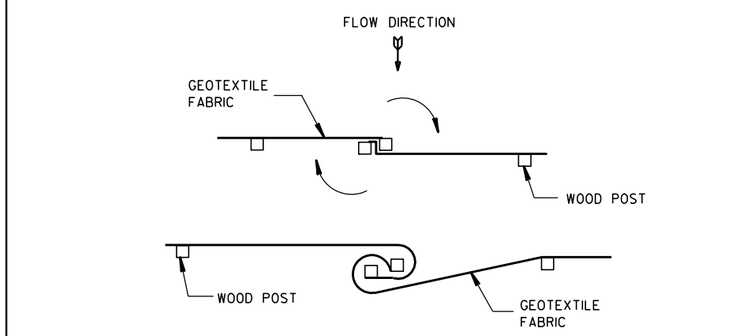
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



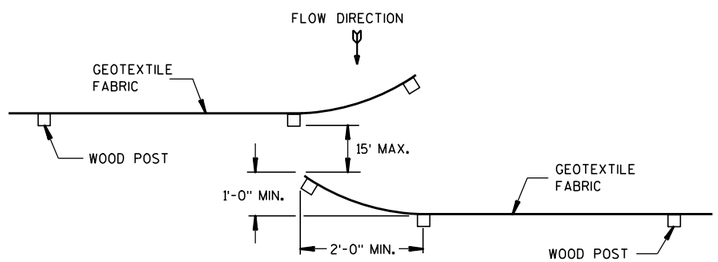
TRENCH DETAIL



SILT FENCE

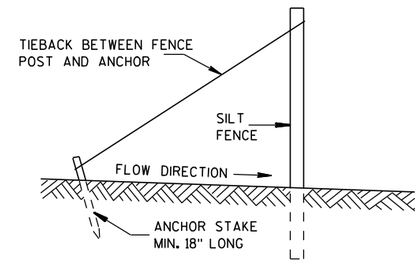


TWIST METHOD



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

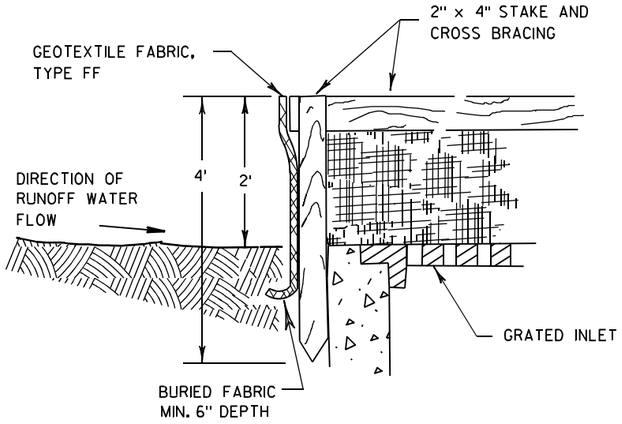
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

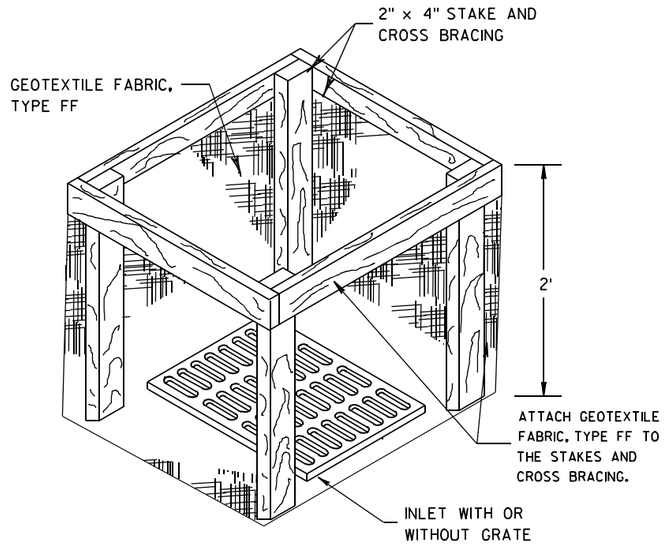
6

S.D.D. 8 E 9-6

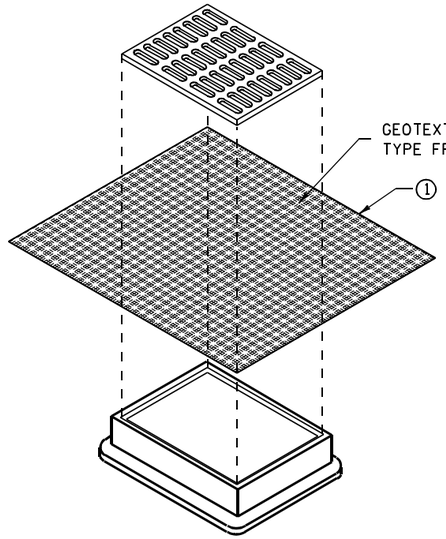
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S.D.D. 8 E 9-6



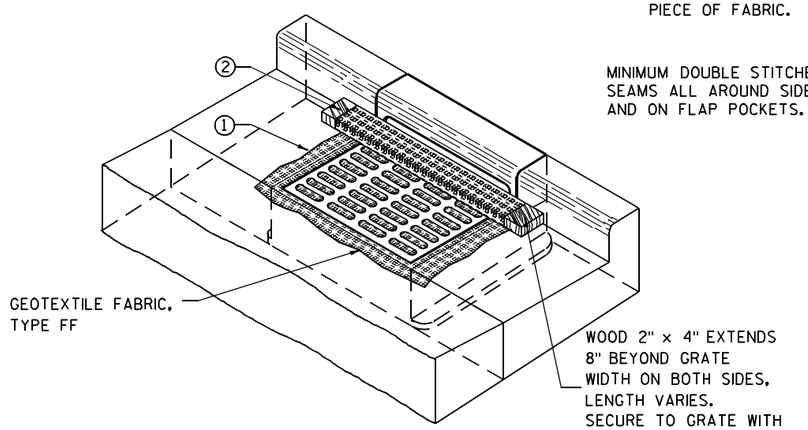


INLET PROTECTION, TYPE A

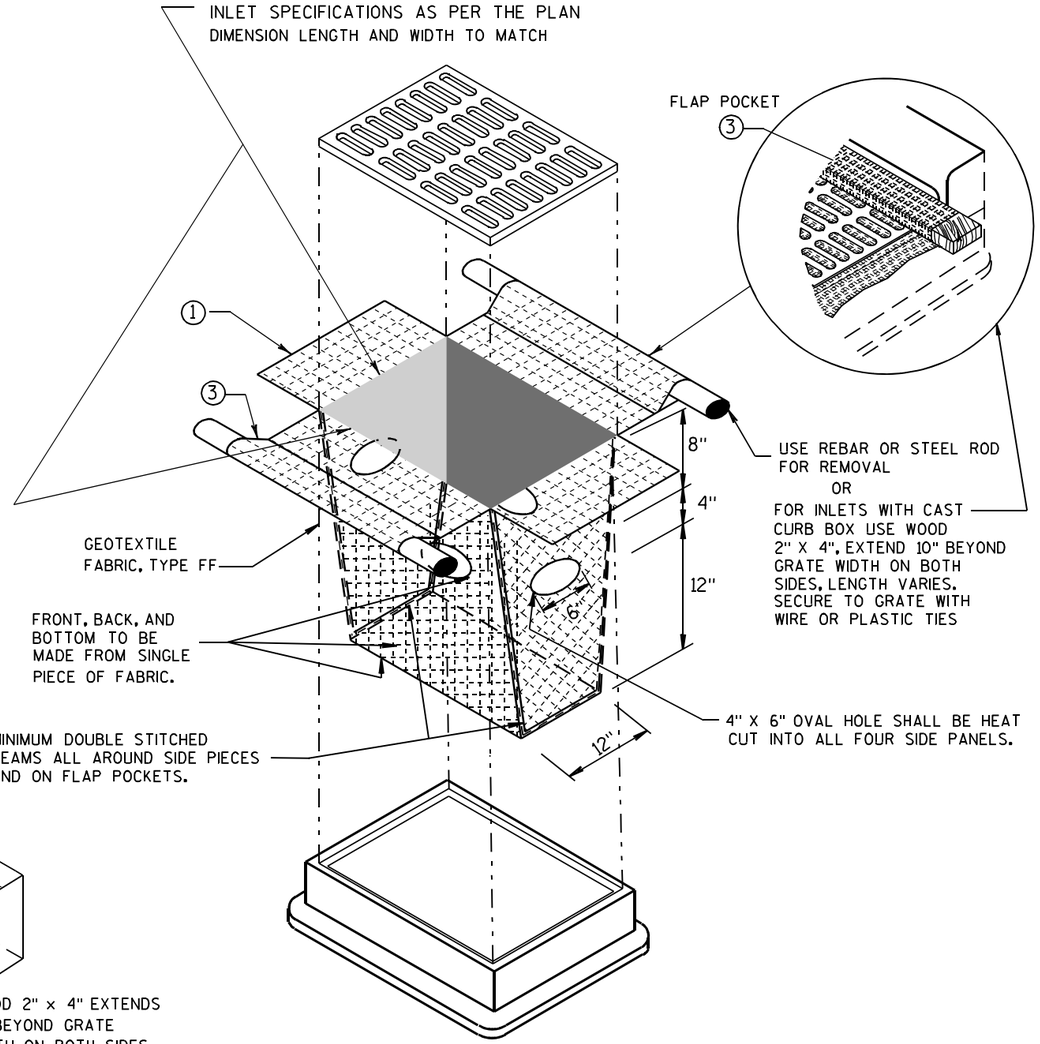


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

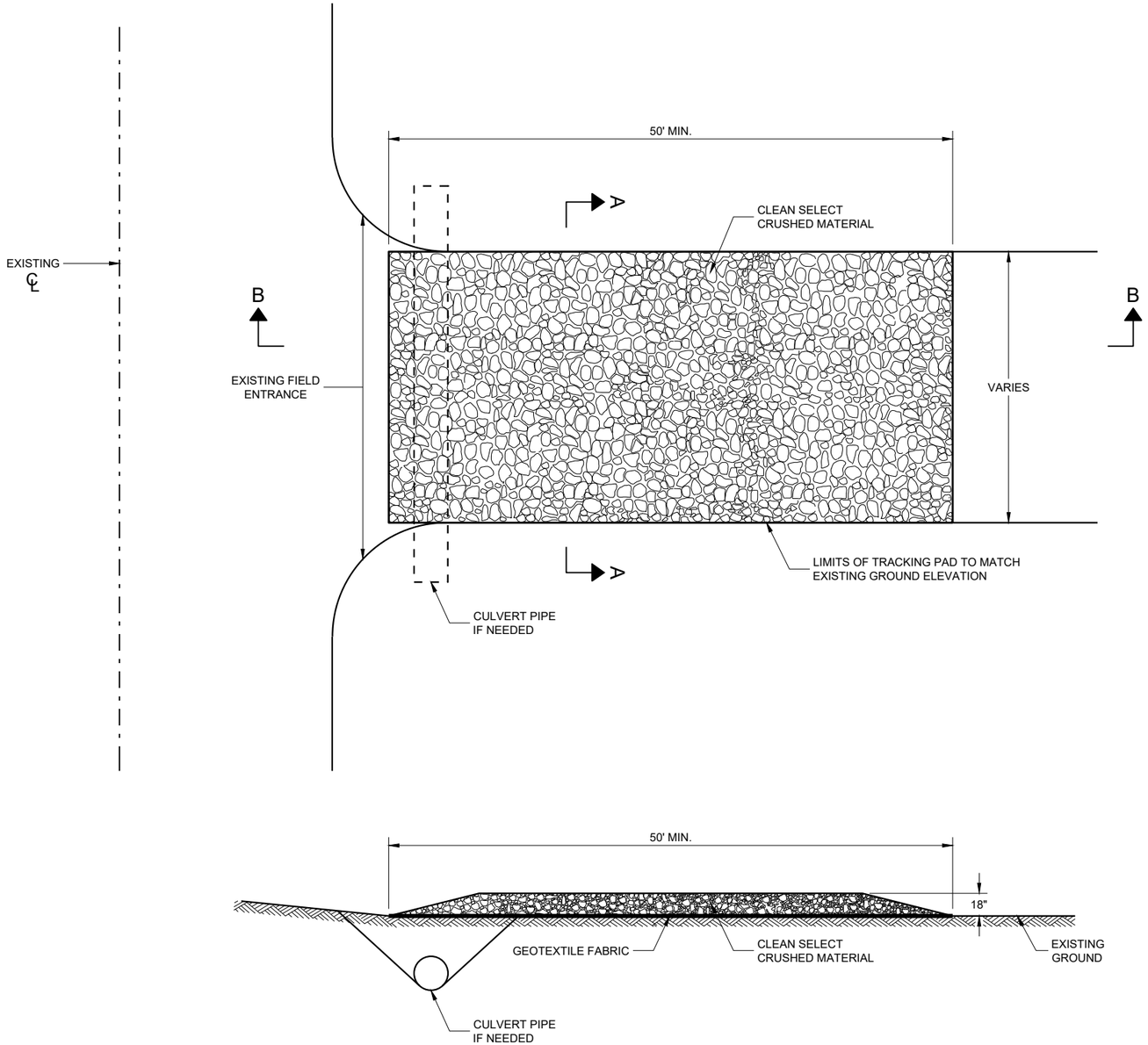
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

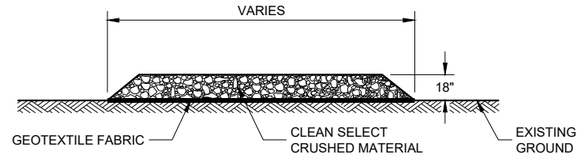
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

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SDD 08E14 - 01

TRACKING PAD

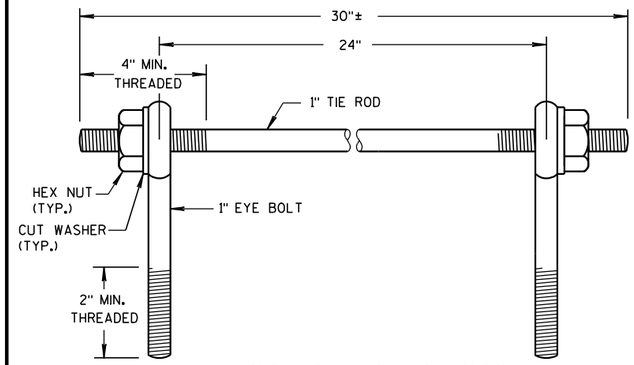
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

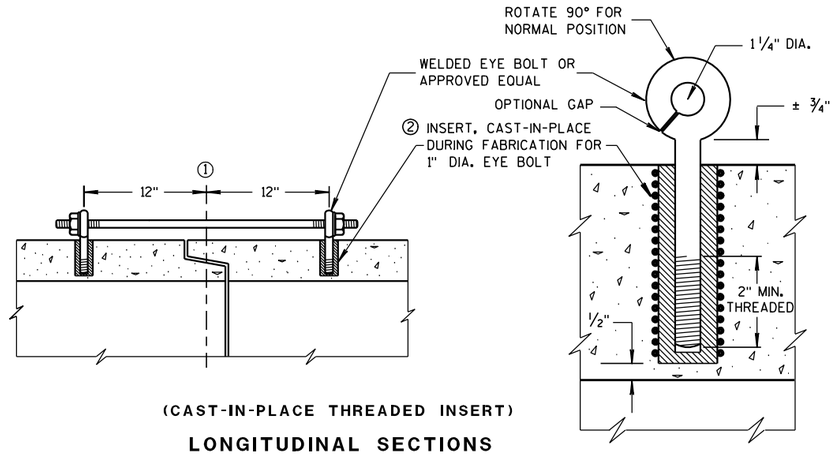
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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

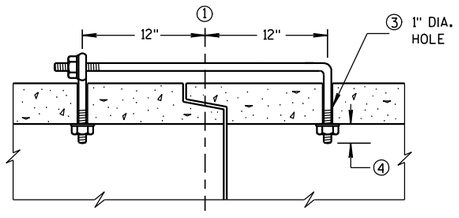
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

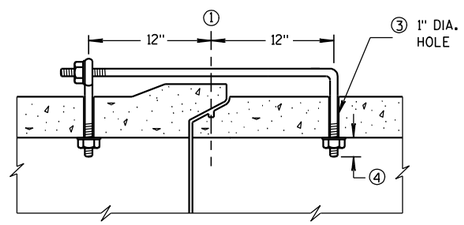
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

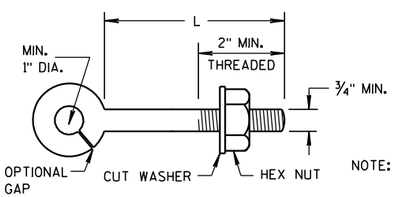


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

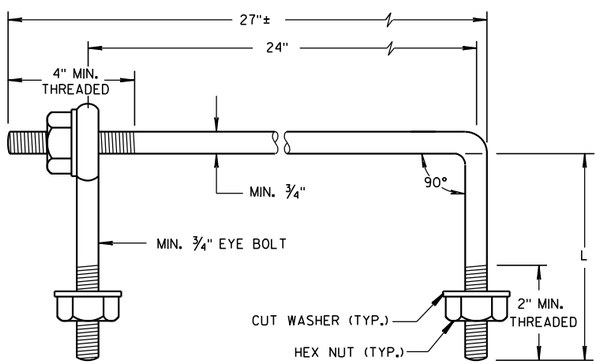
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

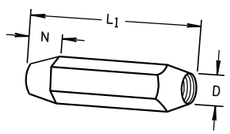
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

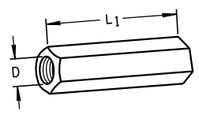
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



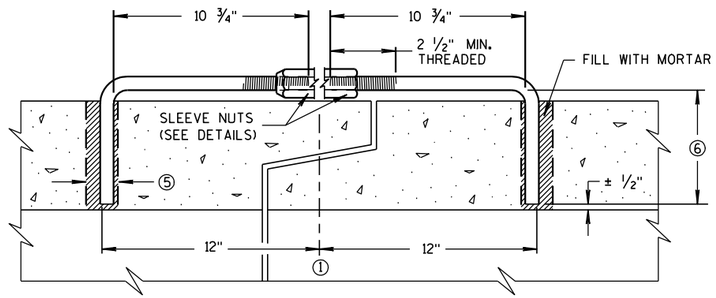
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PLAIN

RIGHT AND LEFT THREADS

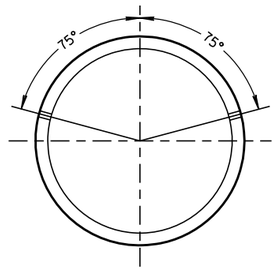
SLEEVE NUTS



LONGITUDINAL SECTION

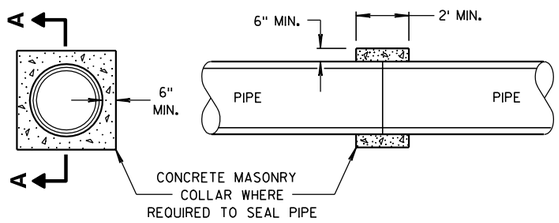
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

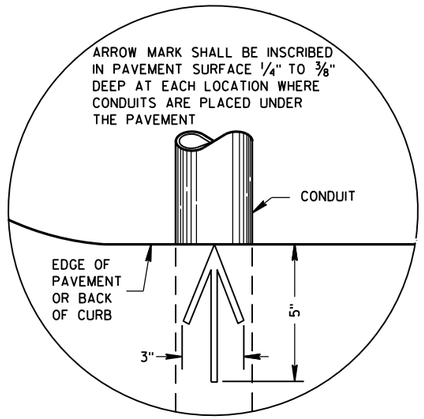
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
224
FHWA

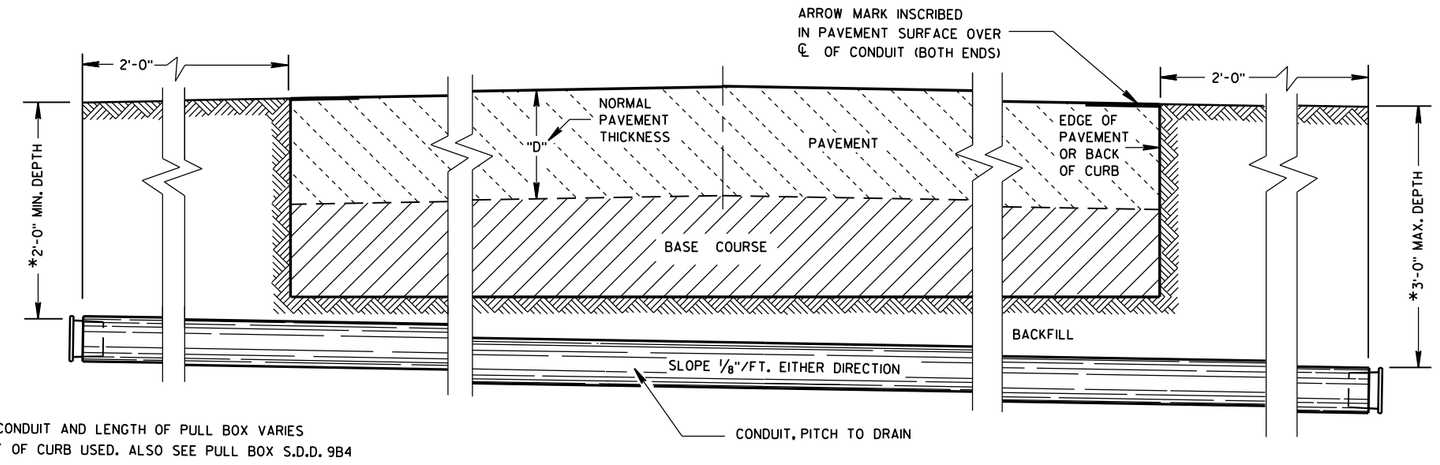
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S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 225
FHWA

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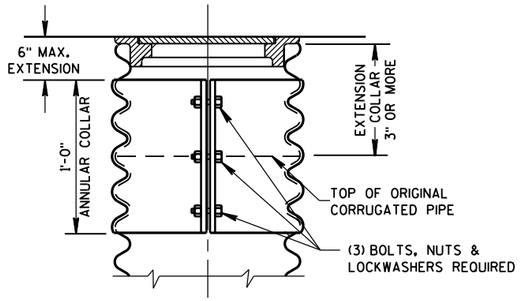
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

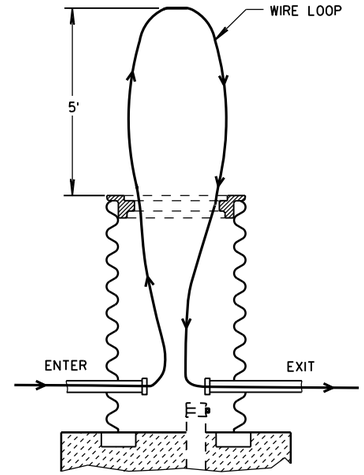
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

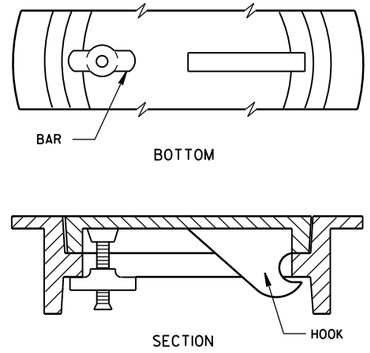
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

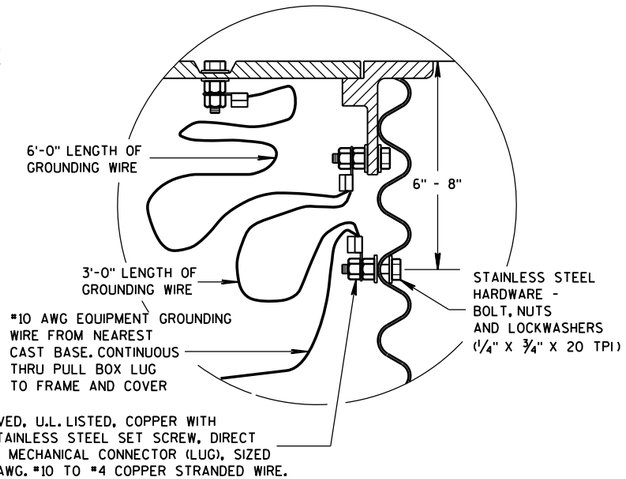


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

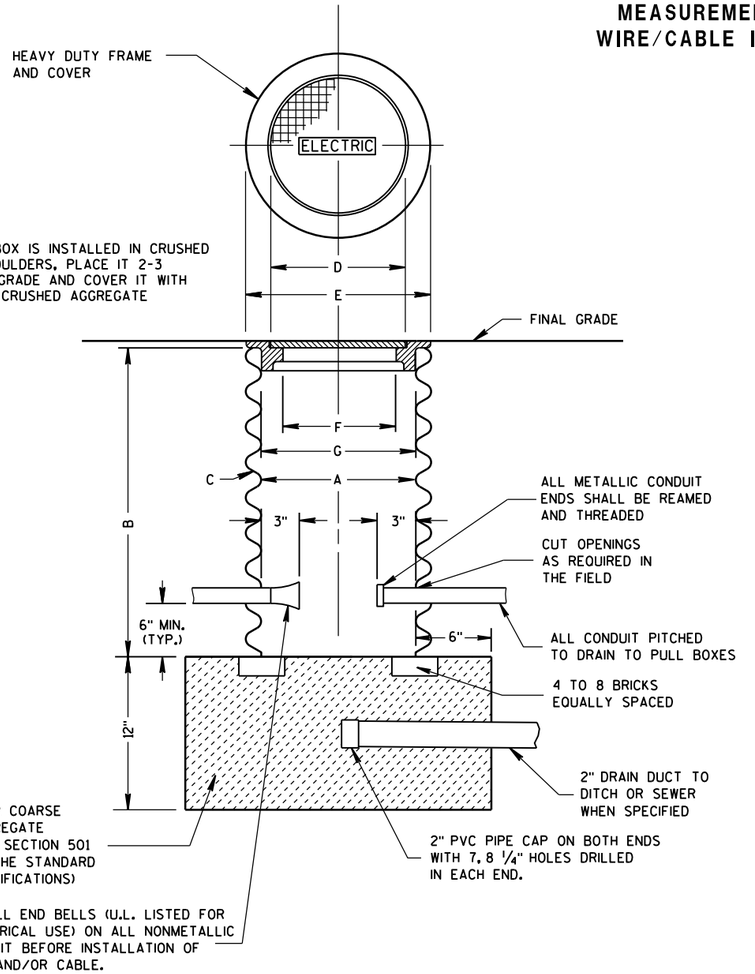


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

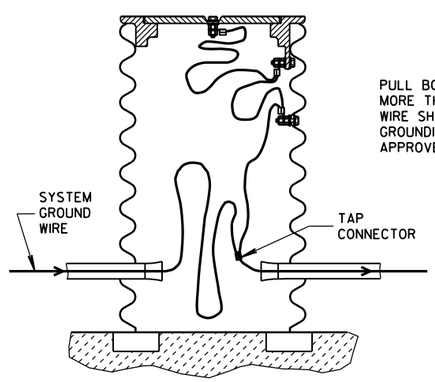
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

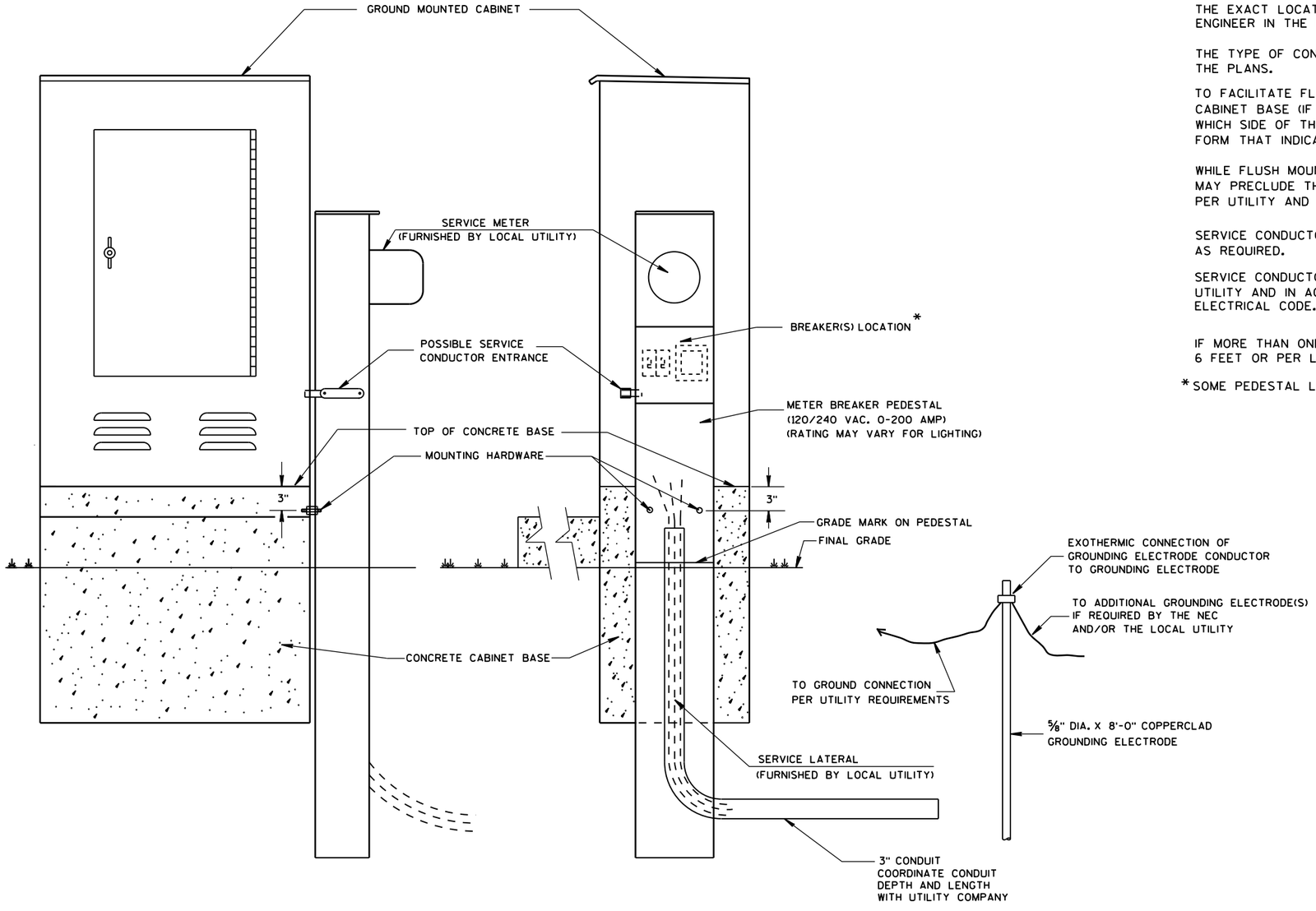
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 B 4-11



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

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S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

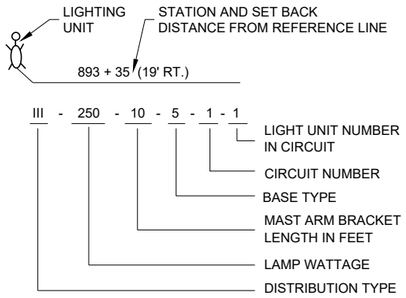
FHWA

GENERAL NOTES

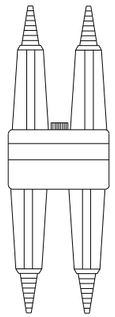
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

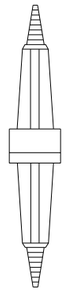
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



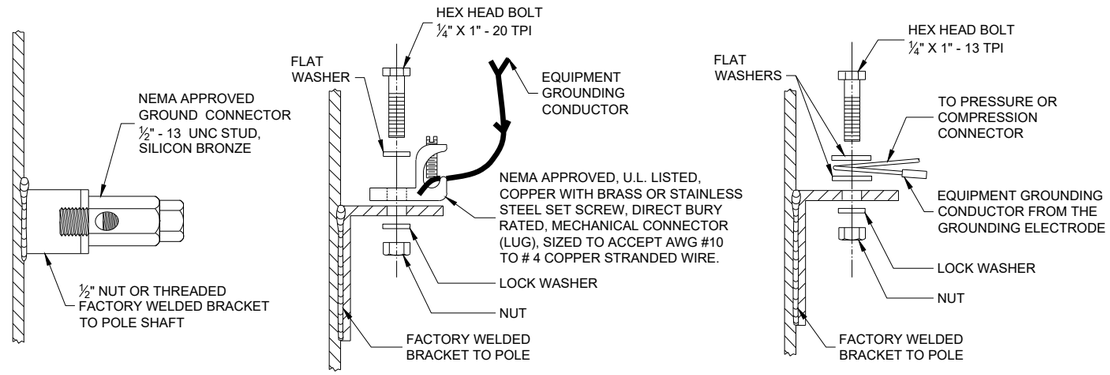
LIGHTING UNIT CODE
(TYPICAL)



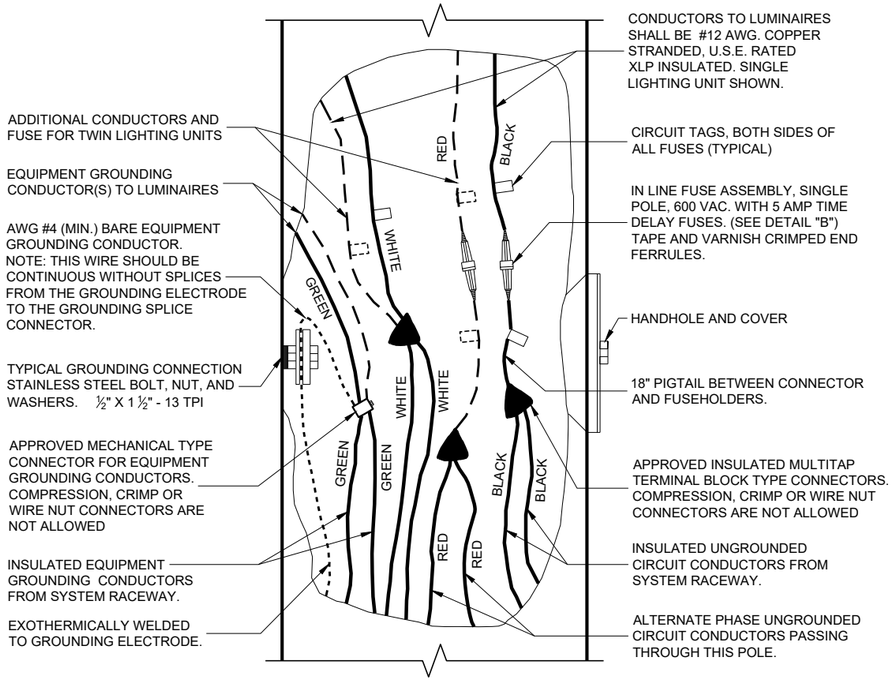
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



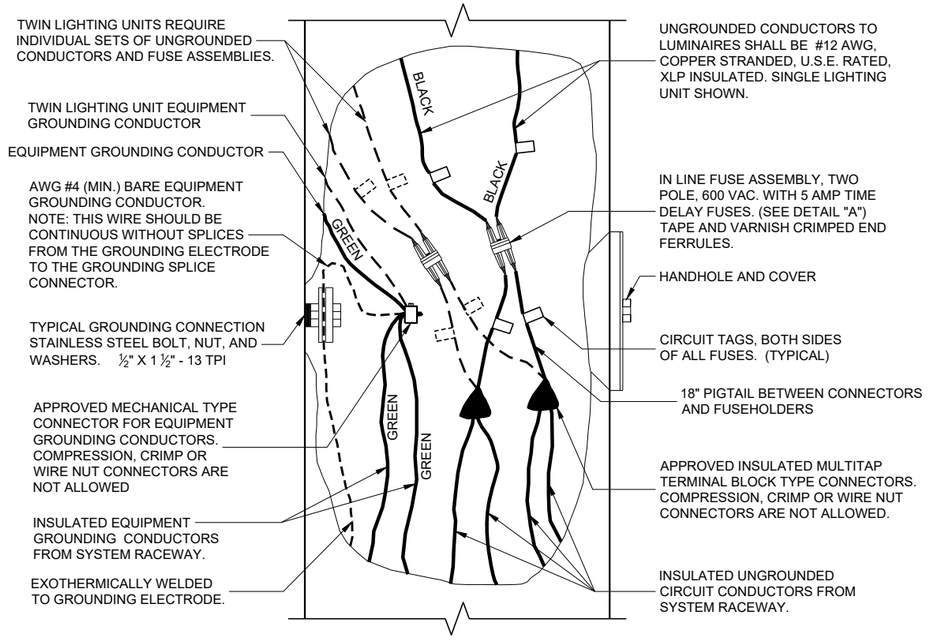
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



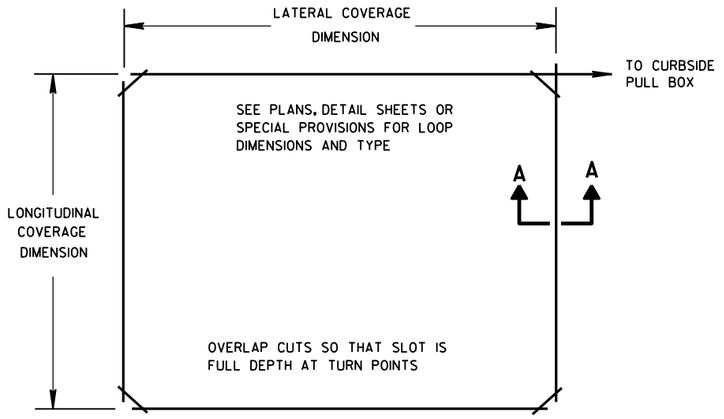
2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

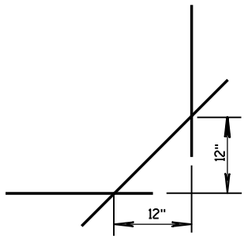
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 228

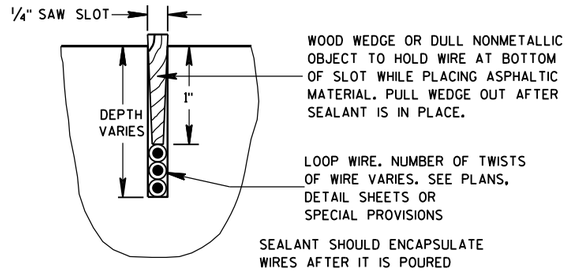
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LOOP WIRE SLOT CONSTRUCTION

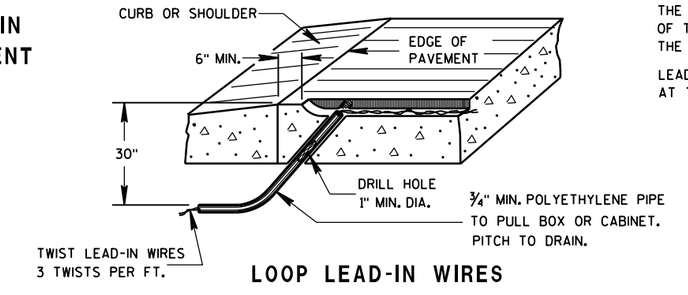


EXPANDED VIEW
SAW CUT CORNERS



SECTION A-A

LOOP AND LEAD-IN
WIRES IN PAVEMENT



LOOP LEAD-IN WIRES
THROUGH PAVEMENT

GENERAL NOTES

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

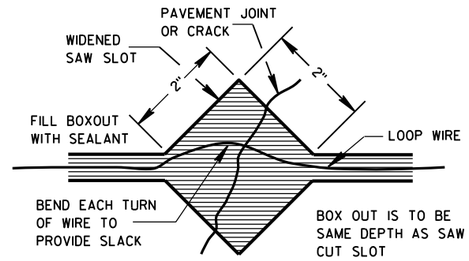
THE SLOTS IN THE PAVEMENT SHALL BE CUT TO DIMENSION WITH A SAW. THE SLOTS SHALL BE CLEANED FREE OF DIRT, DUST, MOISTURE AND DEBRIS PRIOR TO INSTALLATION OF THE WIRE.

AFTER PLACING THE WIRE IN THE SLOT, FILL THE SLOT WITH AN ASPHALTIC MATERIAL IN ACCORDANCE WITH THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D6690".

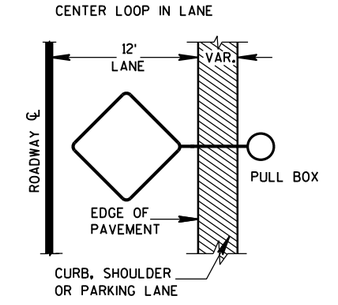
IN THE EVENT ASPHALTIC MATERIAL IS UNAVAILABLE, A FLEXIBLE TYPE EPOXY MAY BE USED AS A LOOP SLOT FILLER. THE LOOP SLOT SHALL BE CLEAN AND DRY BEFORE EPOXY IS INSTALLED. EPOXY USE SHALL BE APPROVED BY THE DISTRICT TRAFFIC ENGINEER AND THE FURNISHED EPOXY SHALL BE INSTALLED ONLY AFTER WRITTEN APPROVAL BY THE BY THE PROJECT ENGINEER.

THE TWO SINGLE CONDUCTOR LOOP WIRES SHALL BE TWISTED TOGETHER AT A RATE OF THREE TWISTS PER FOOT FROM THE PAVEMENT EDGE TO THE SPLICE CONNECTION WITH THE LOOP LEAD-IN CABLE.

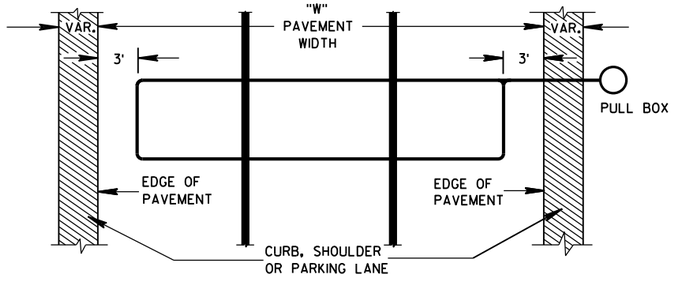
LEAD-IN CABLES AND LOOP LEAD-IN WIRES SHALL BOTH BE CUT TO 6 FEET IN LENGTH AT THE SPLICING PULL BOX.



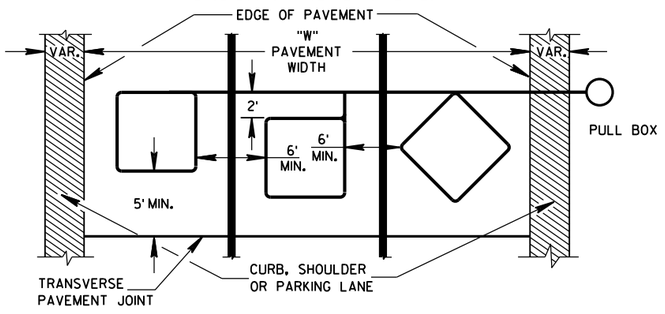
PLAN VIEW



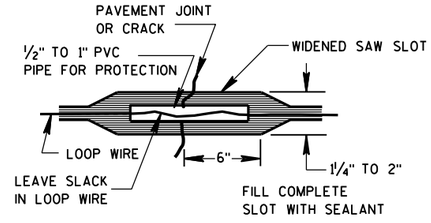
LOOP WIRE SLOT PLAN



LOOP WIRE SLOT PLAN

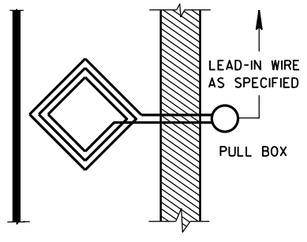


LOOP WIRE SLOT PLAN



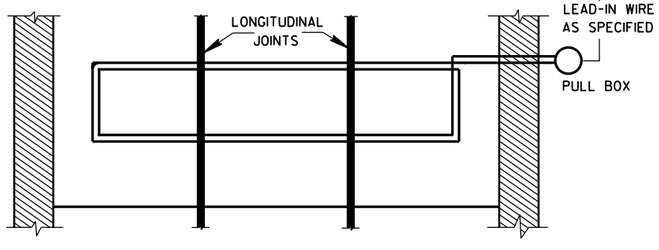
FRONT VIEW

LOOP WIRE INSTALLATION ACROSS
PAVEMENT JOINT OR CRACK



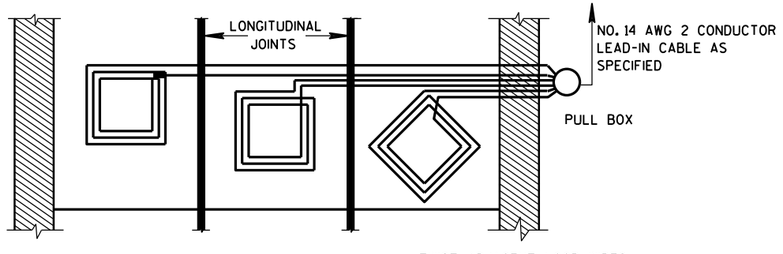
LOOP WIRE LAY
CONSTRUCTION DETAILS

SINGLE LANE LOOP DETECTION



LOOP WIRE LAY
CONSTRUCTION DETAILS

MULTIPLE LANE MASS LOOP DETECTION



LOOP WIRE LAY
CONSTRUCTION DETAILS

MULTIPLE LANE DETECTION BY
INDIVIDUAL LANES, TYPICAL TYPE LOOPS

DETAILS FOR THE INSTALLATION OF TEMPORARY TRAFFIC SIGNAL LOOP DETECTOR WIRES IN ANY EXISTING PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

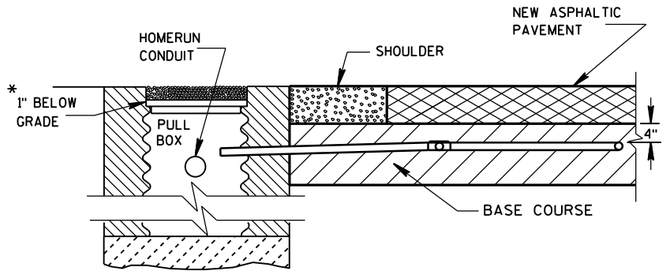
APPROVED
June, 2015
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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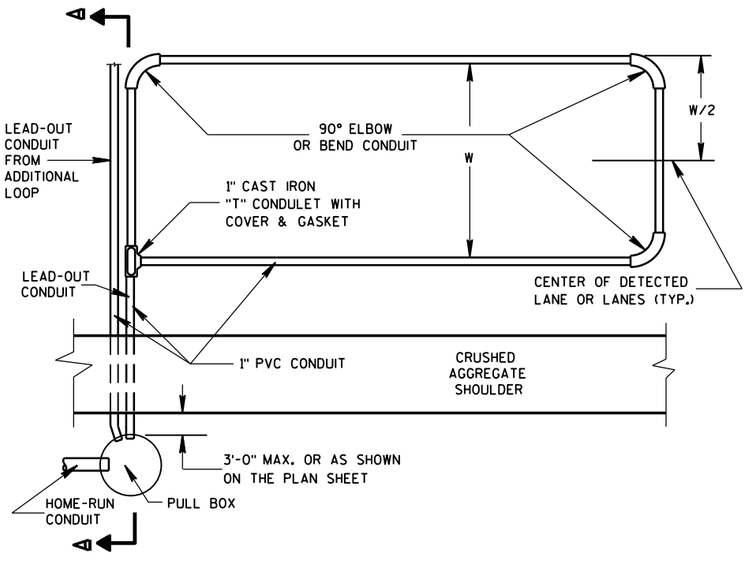
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SECTION A-A
NO CURB & GUTTER

DETECTOR LOOP INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

GENERAL NOTES

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD-OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

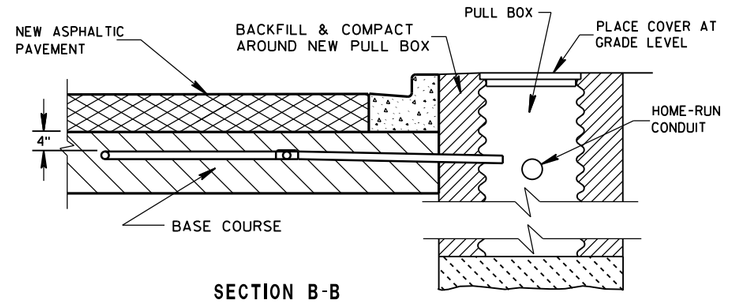
SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT AND CONDULET SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE ASPHALTIC PAVEMENT IS PLACED.

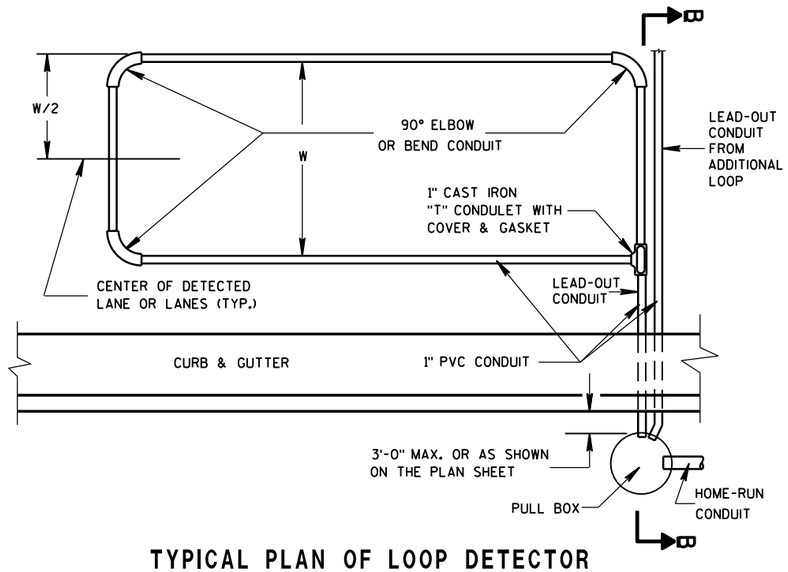
WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



SECTION B-B
CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL

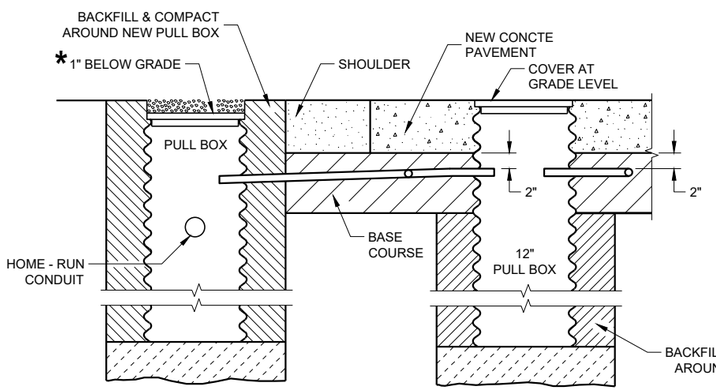


TYPICAL PLAN OF LOOP DETECTOR

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
Sept. 2014 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL
FHWA	

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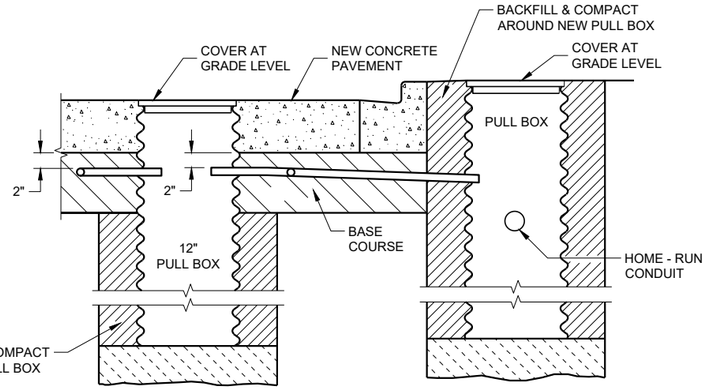
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SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

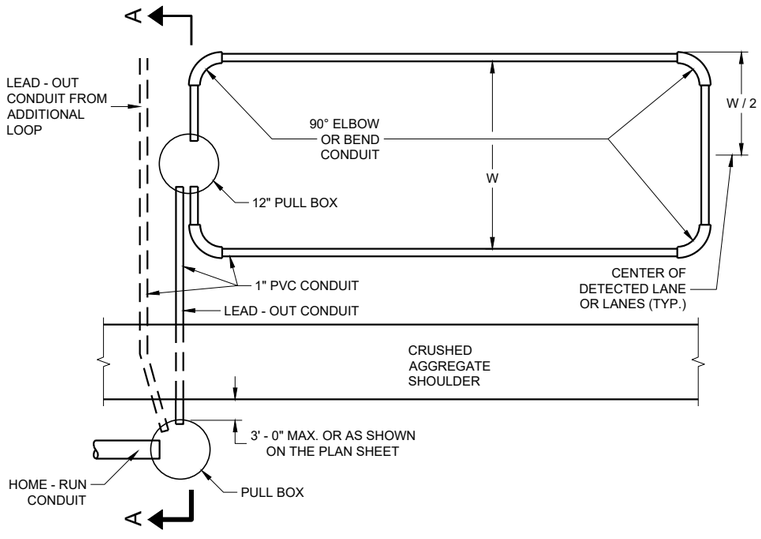
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

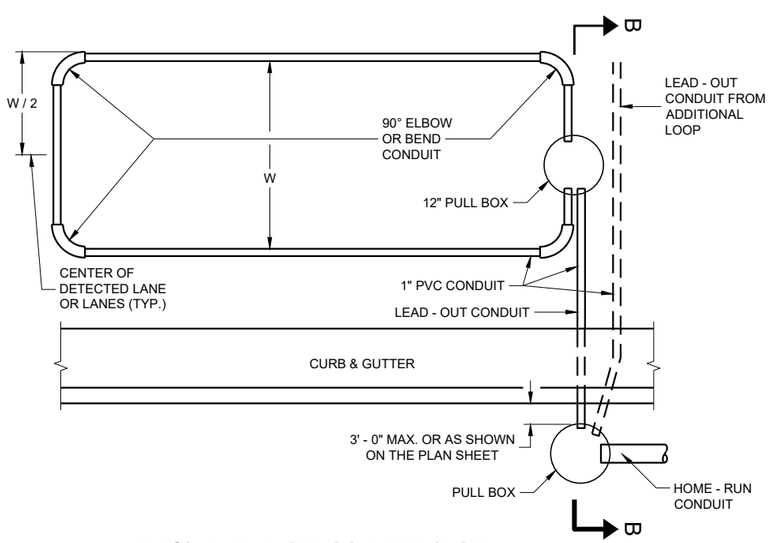
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET, PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

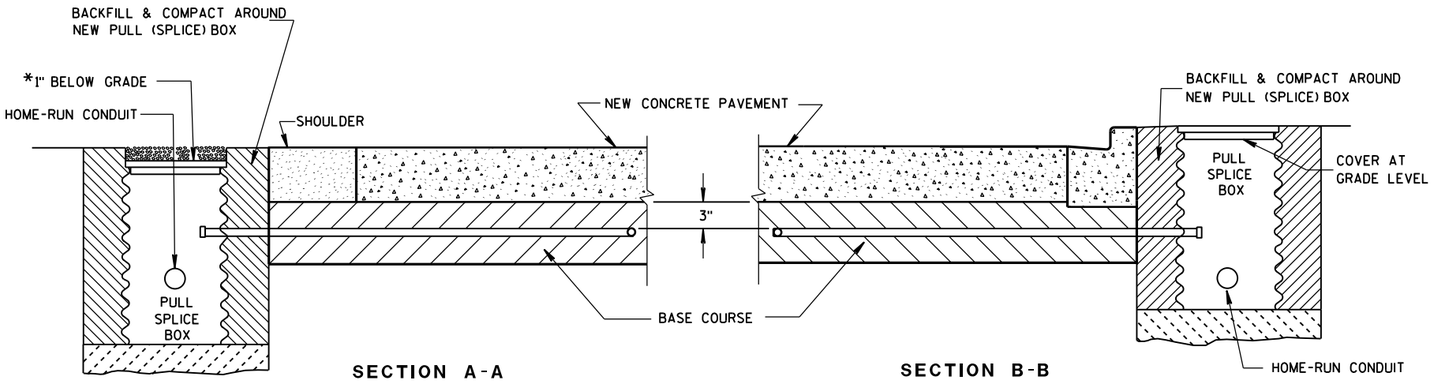
LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09F09 - 05



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

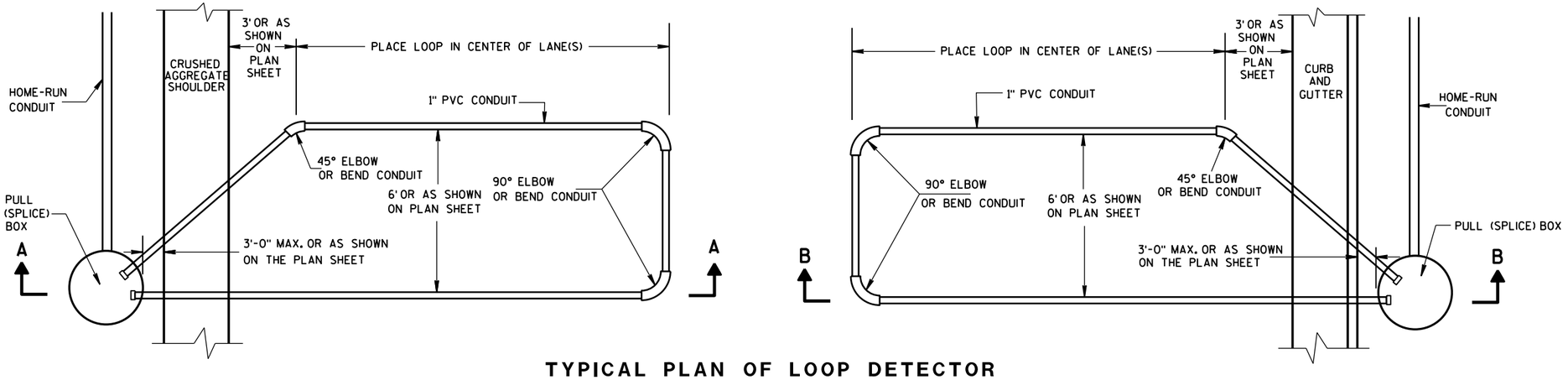
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

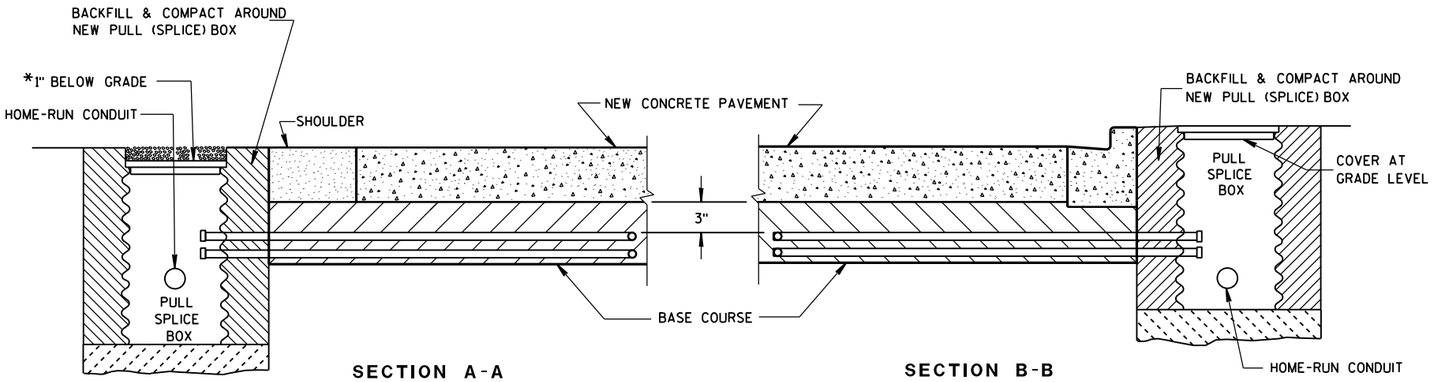
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 F 15-4a

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S.D.D. 9 F 15-4a



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

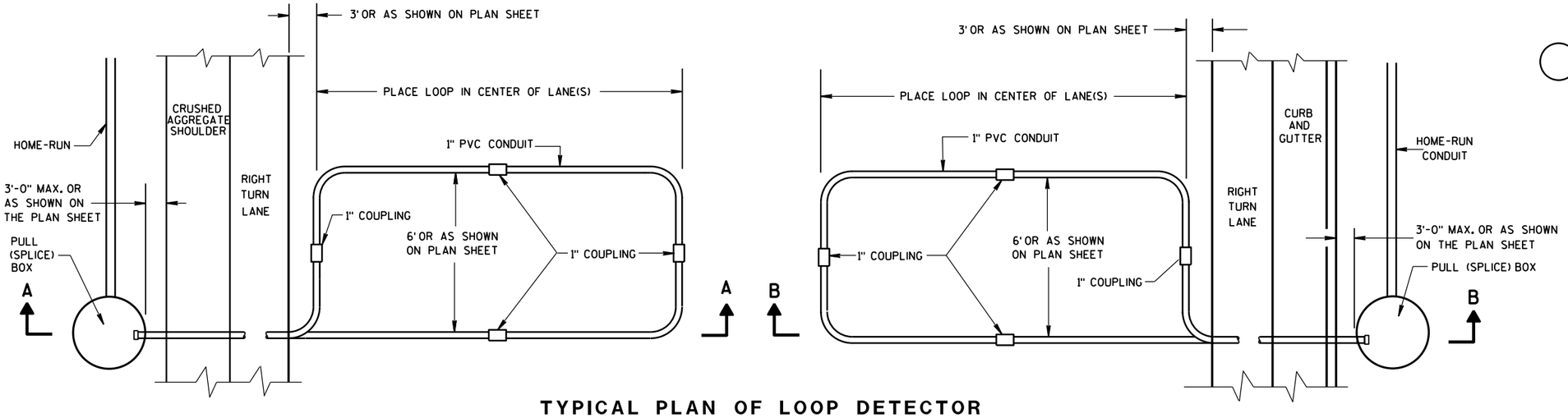
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

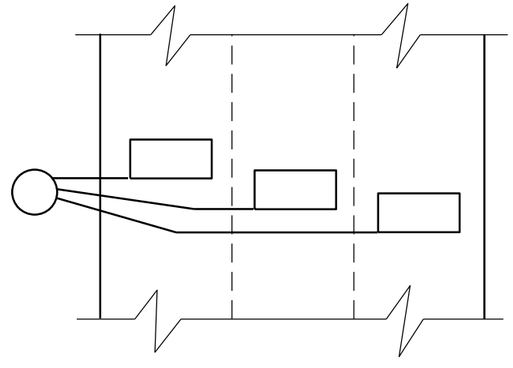
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



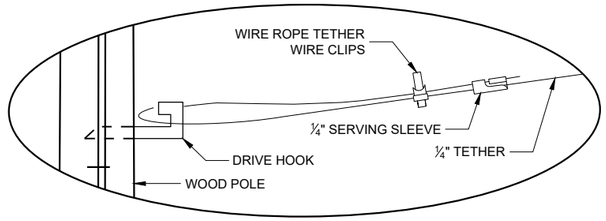
TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

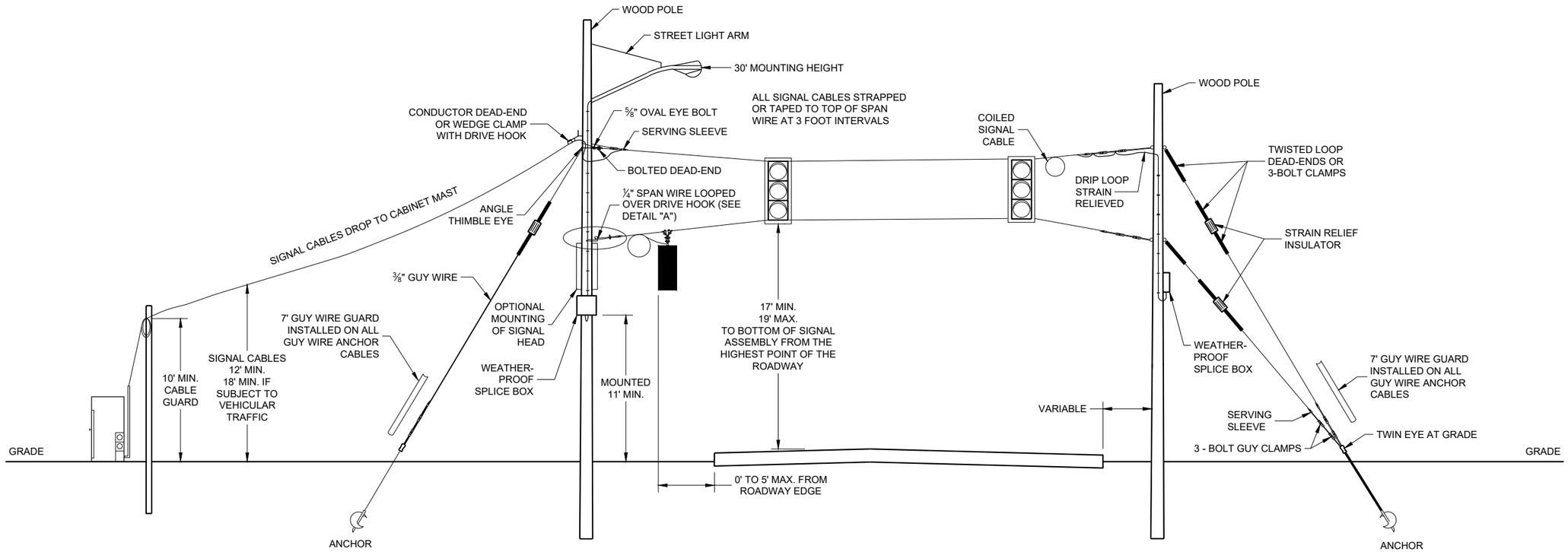


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



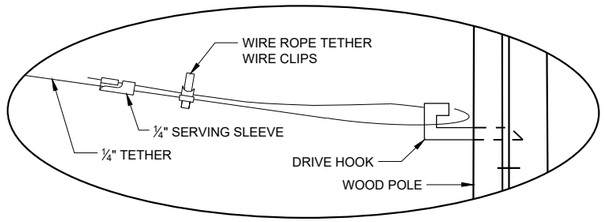
SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 234
FHWA

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

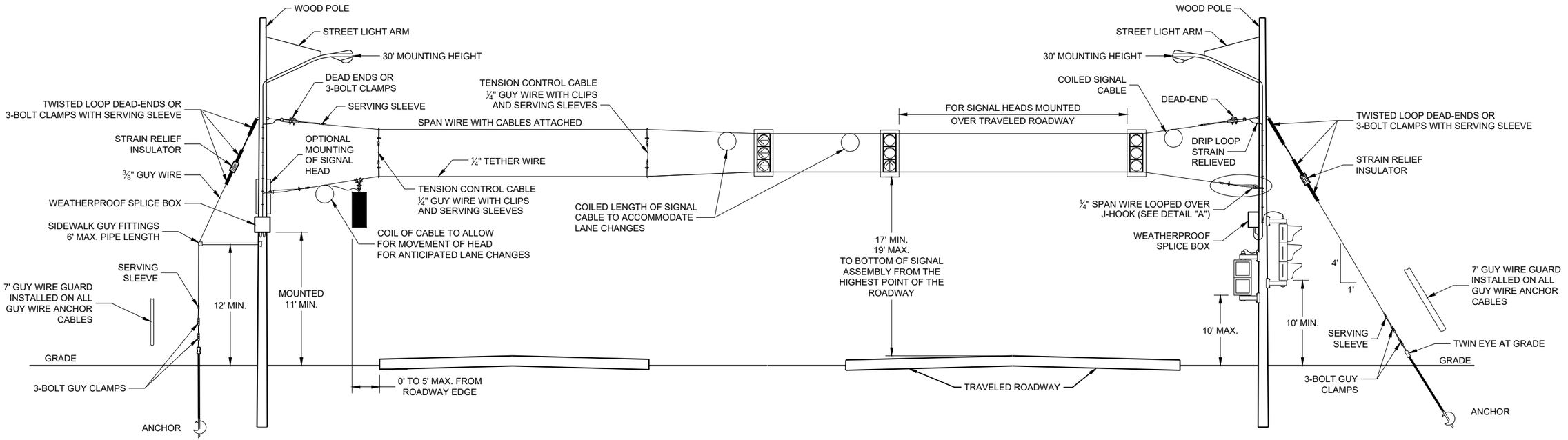


DETAIL "A"

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   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

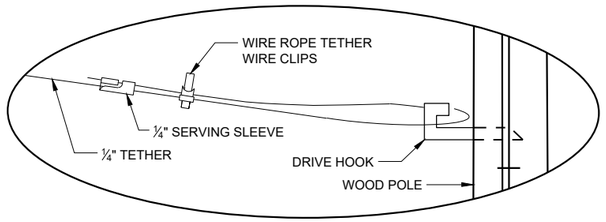
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI
FHWA

SDD09G01 - 04b

SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

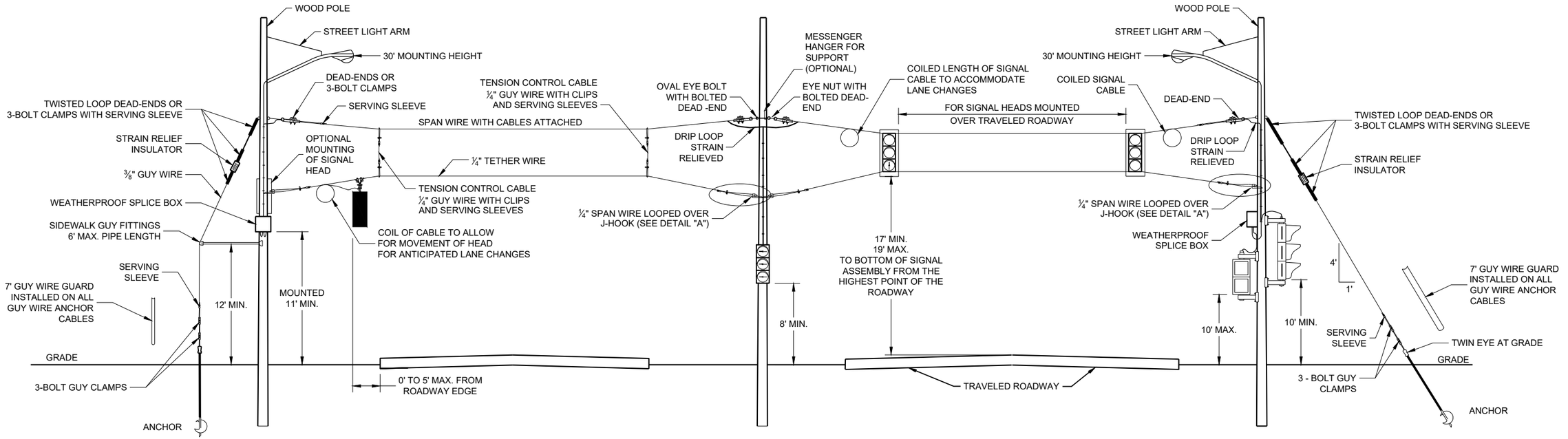


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

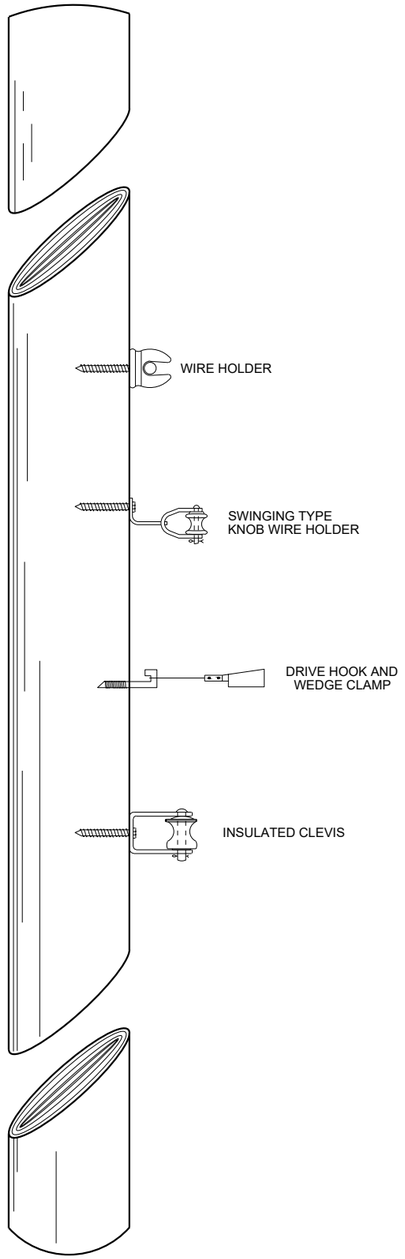
APPROVED
June 2015
DATE

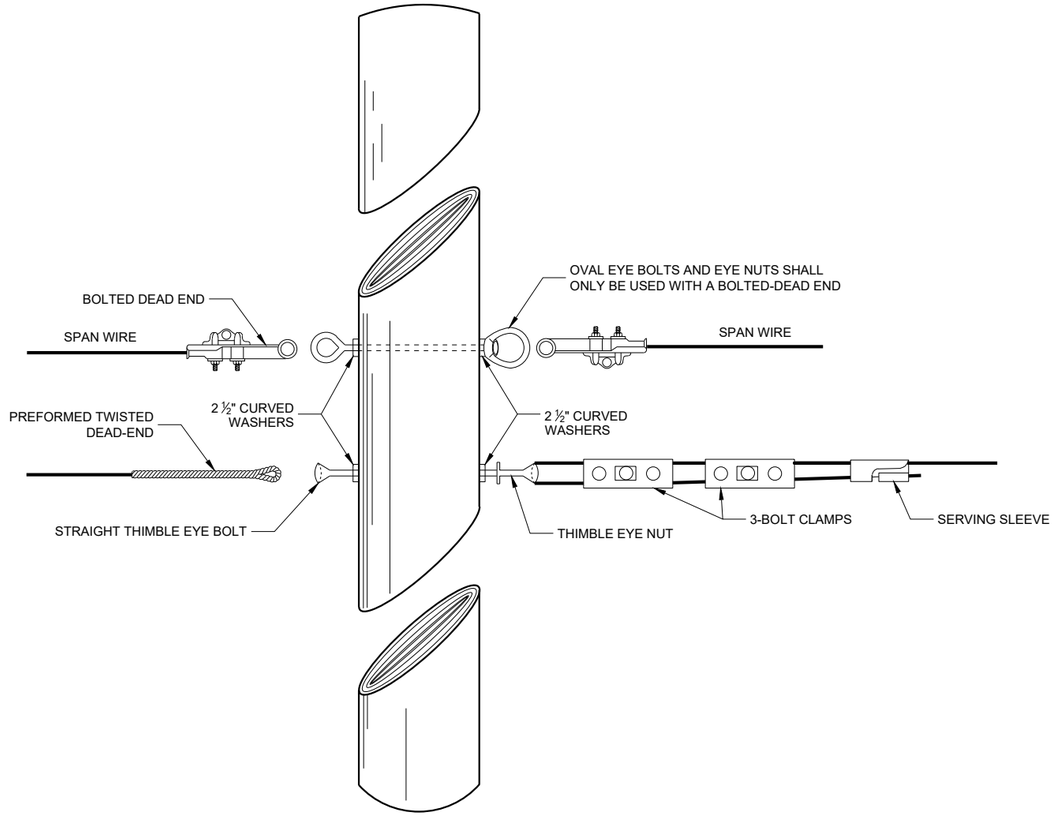
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

SDD09G01 - 04c

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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

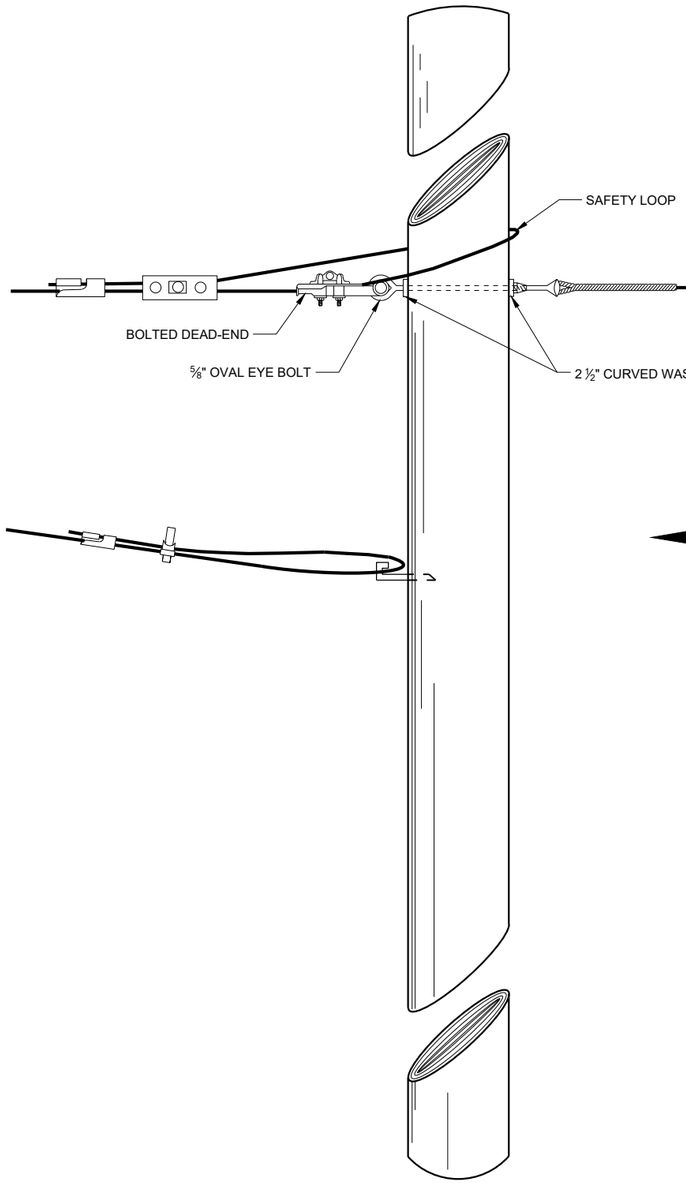
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

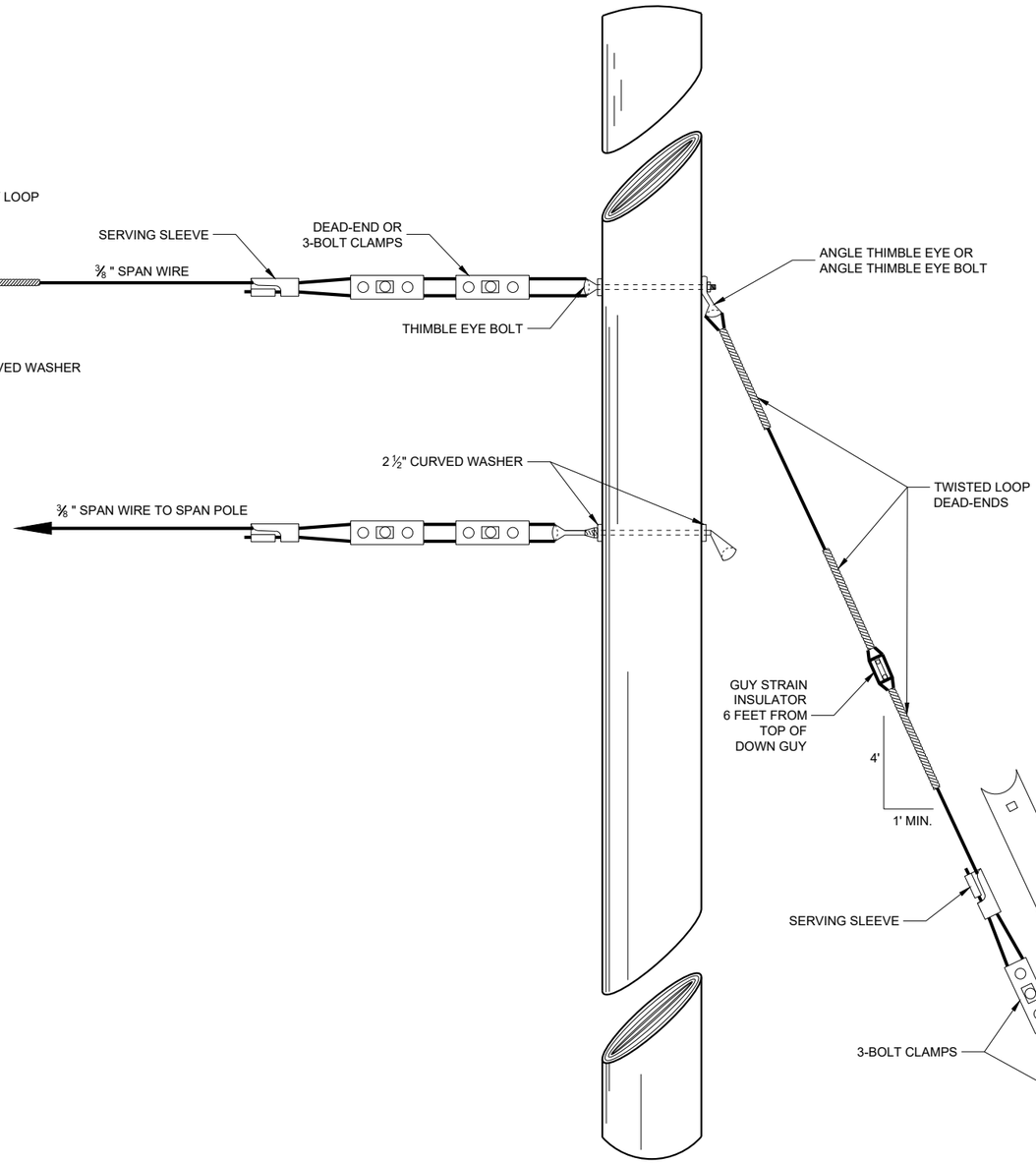
FHWA

GENERAL NOTES

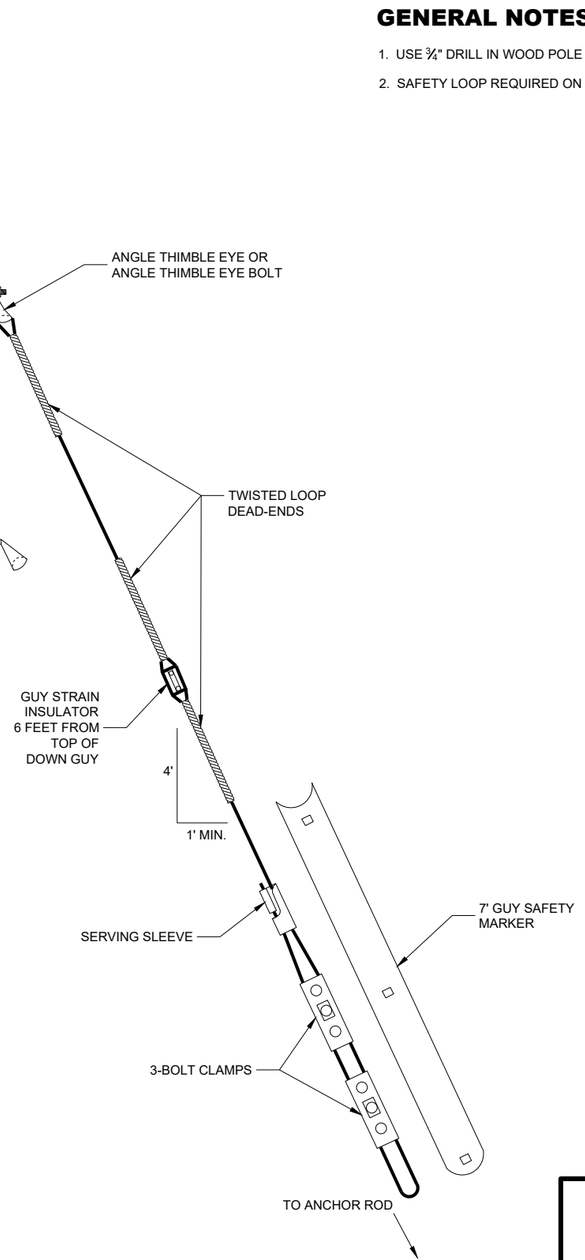
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

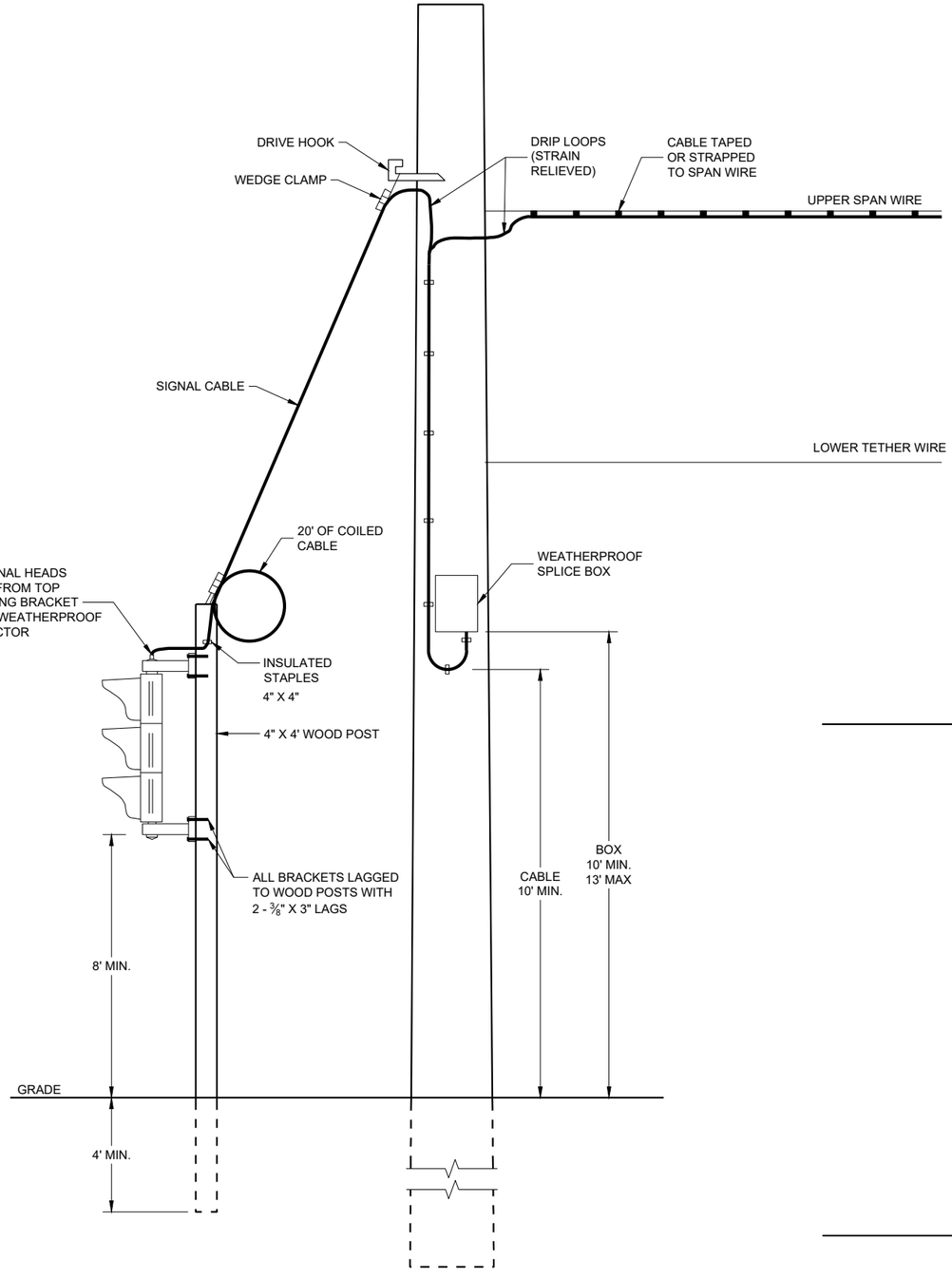
APPROVED
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

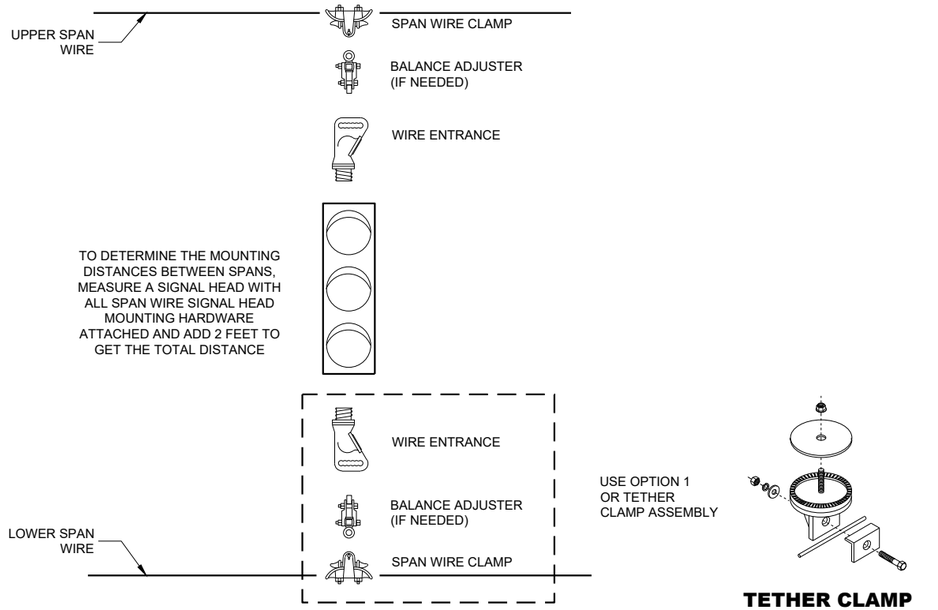
FHWA

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SDD 09G01 - 4e



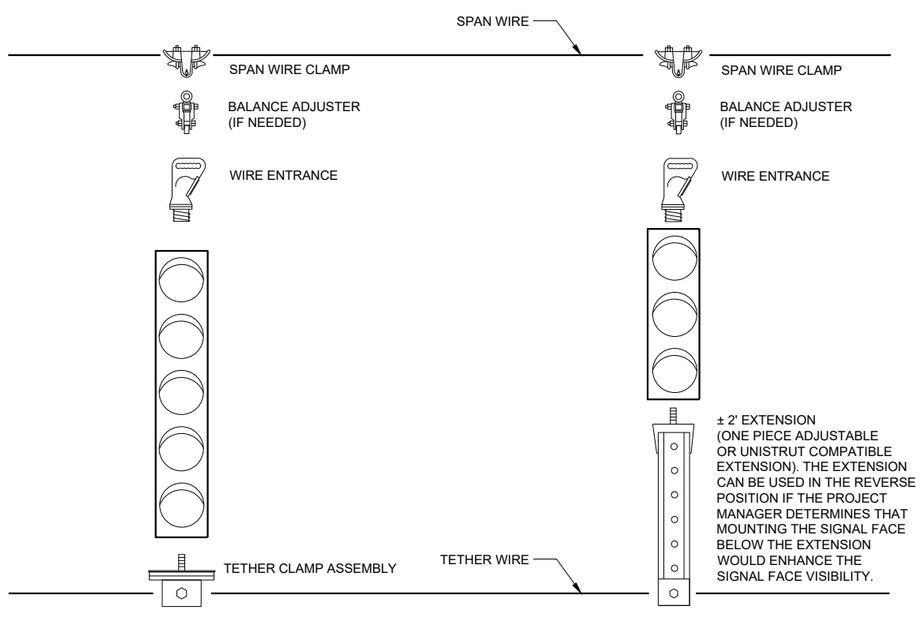
TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



OPTION 1

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

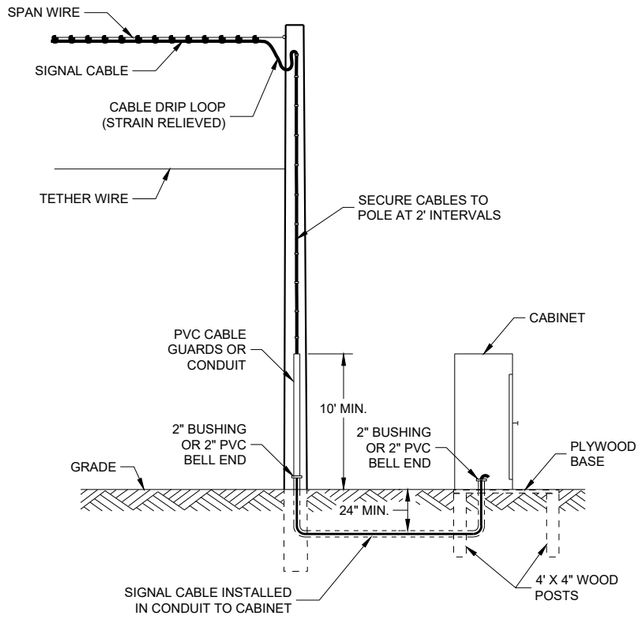
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

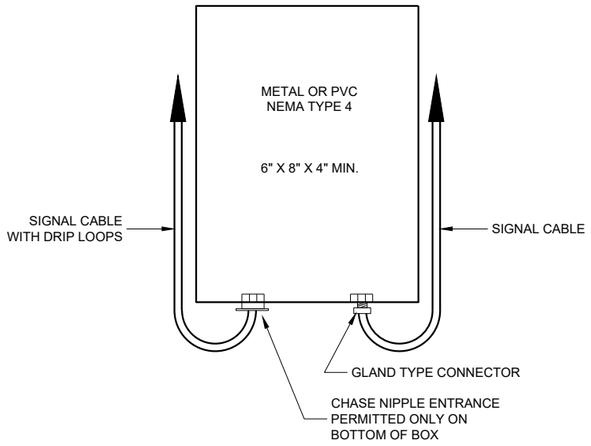
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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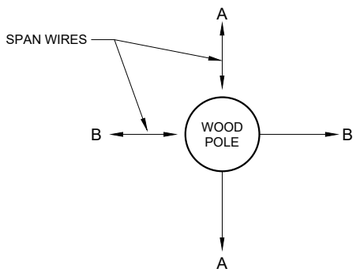
SDD 09G01 - 4f





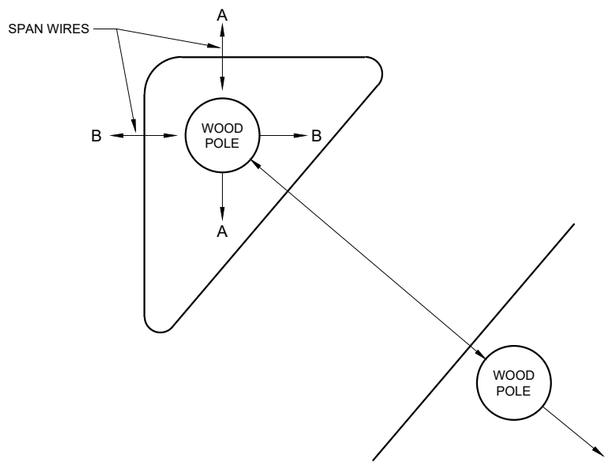
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

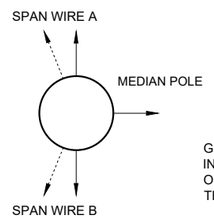


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

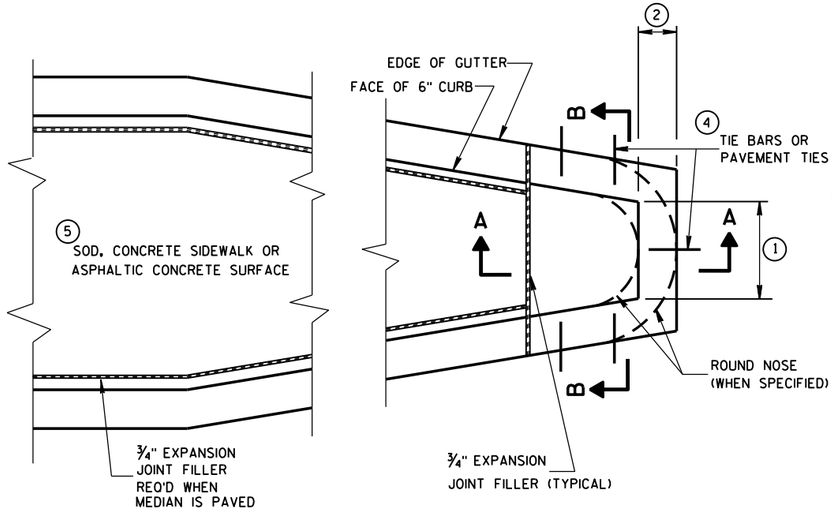
APPROVED
June 2015
DATE

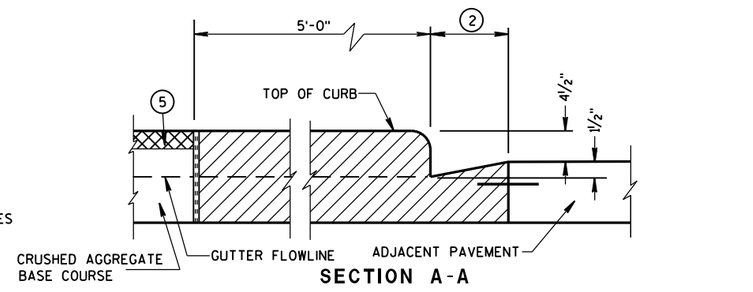
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 09G01 - 4g

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CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

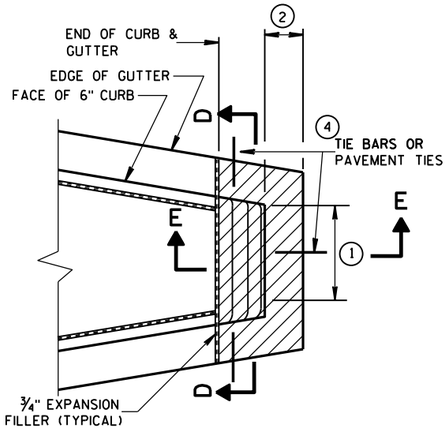
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

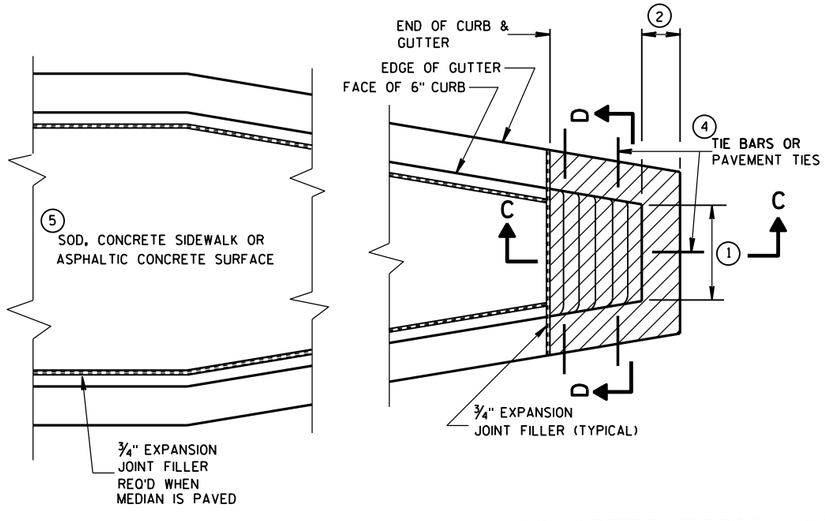
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

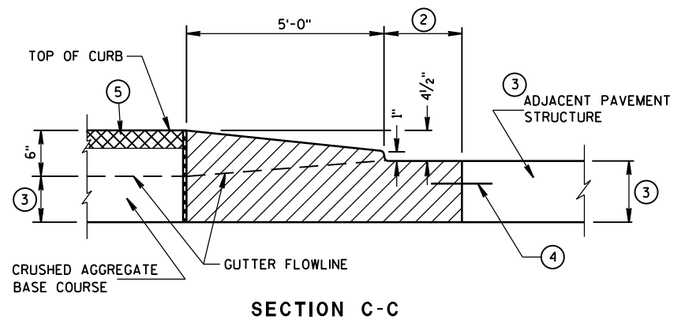
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

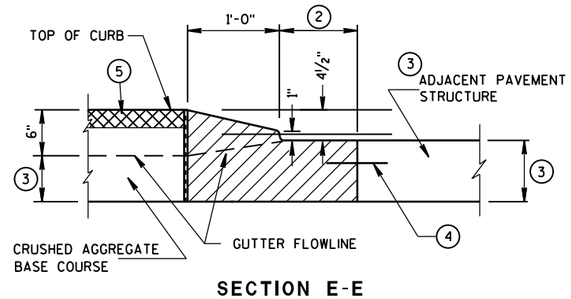
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



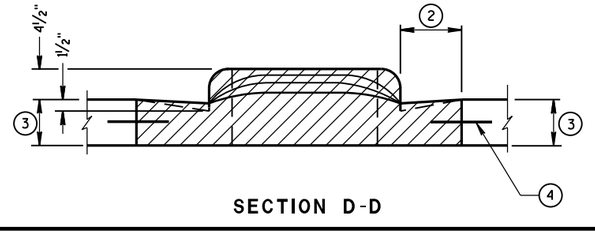






CONCRETE MEDIAN SLOPED NOSE TYPE 1

CONCRETE MEDIAN SLOPED NOSE TYPE 2



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

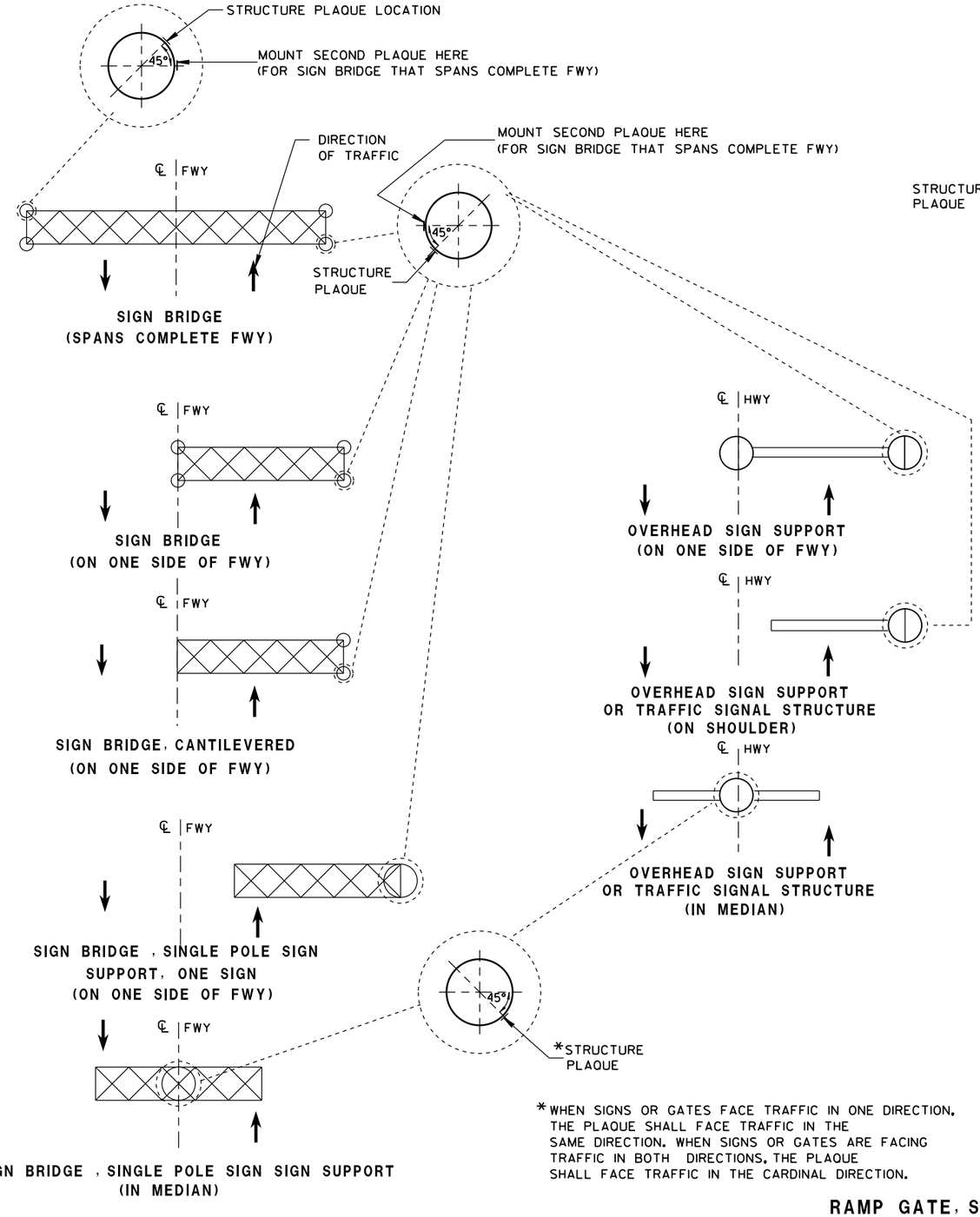
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 11 B 2-2

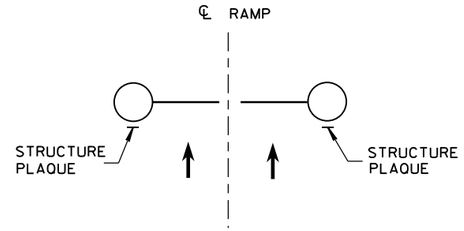
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S.D.D. 11 B 2-2

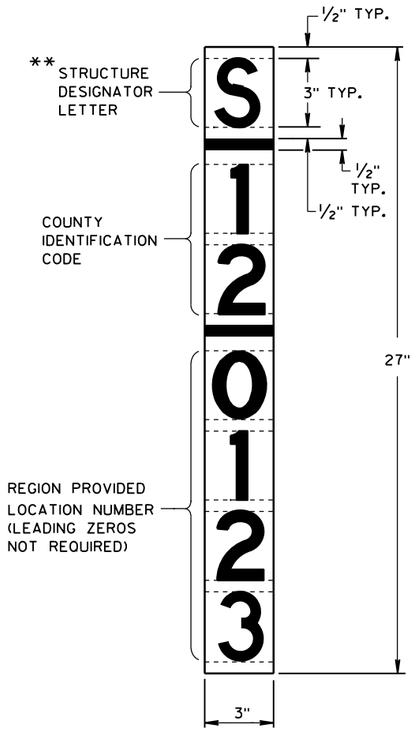


LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES

*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.



RAMP GATE
(ACROSS FWY ON-RAMP)



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

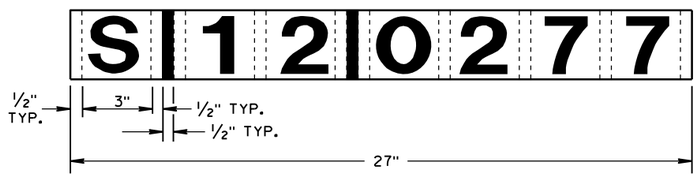
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

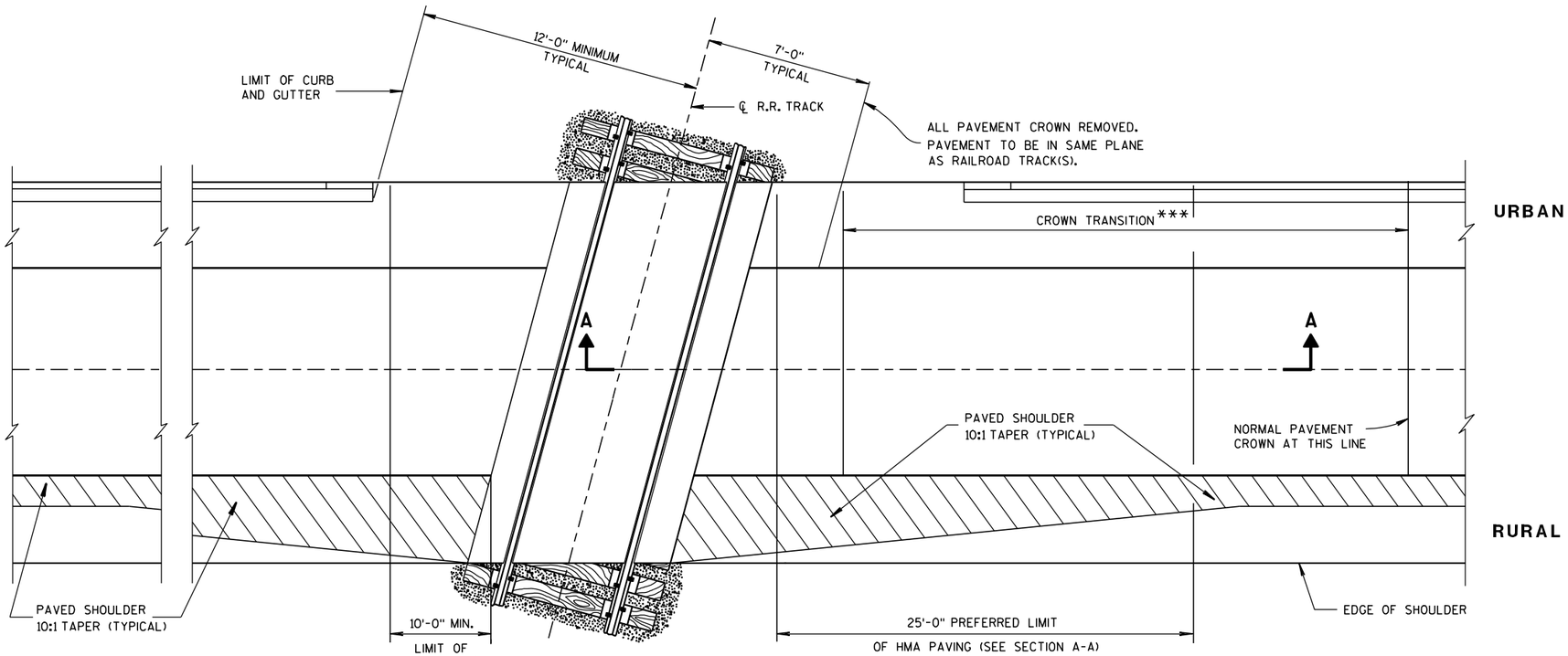
STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

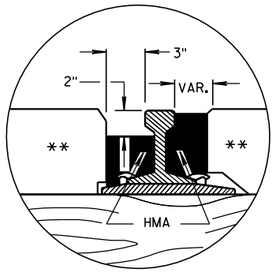
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 12 A 4-3





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

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

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

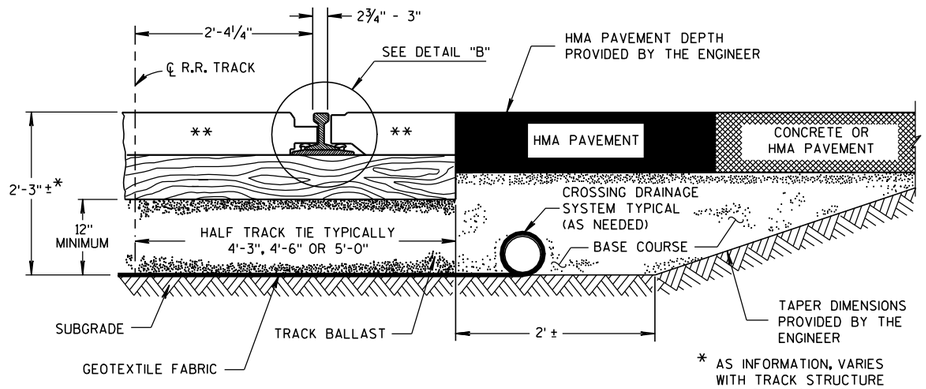
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

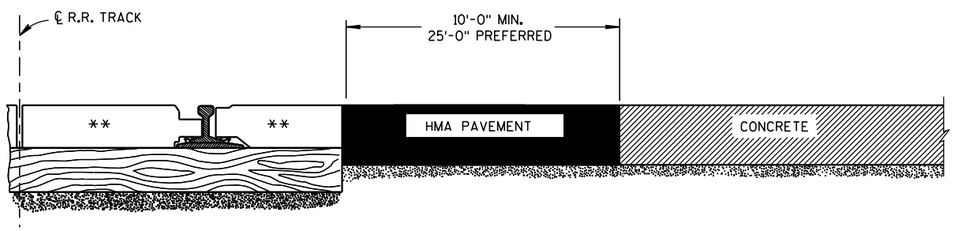
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

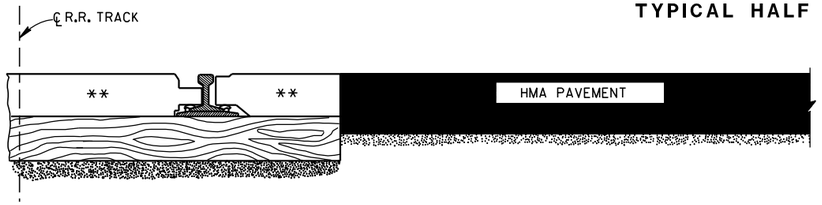


TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

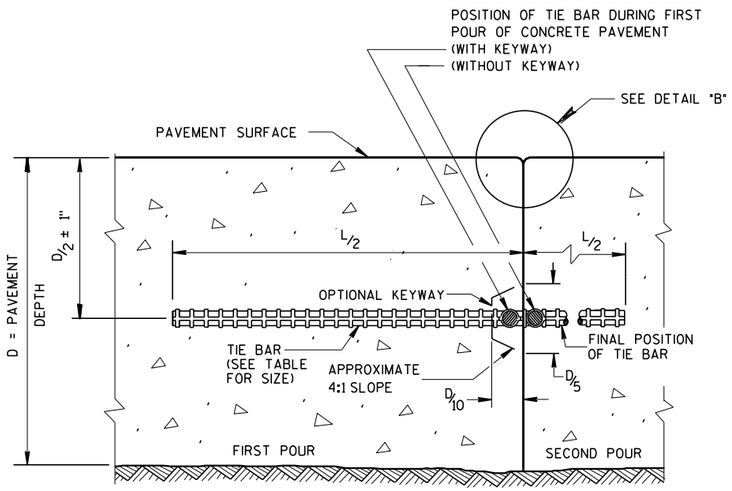
EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

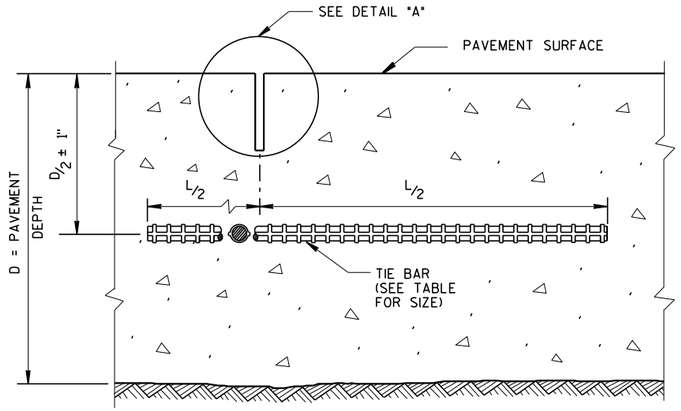
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI CTION
FHWA

6
S.D.D. 13 B 1-10



CONSTRUCTION JOINT



SAWED JOINT

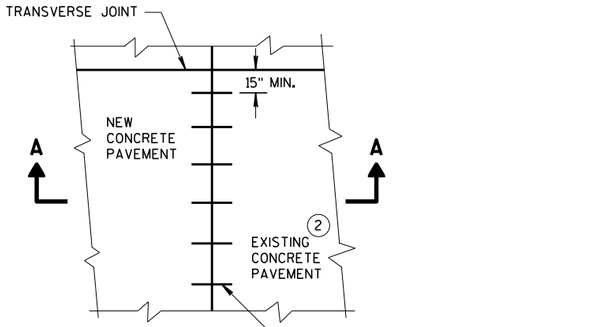
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

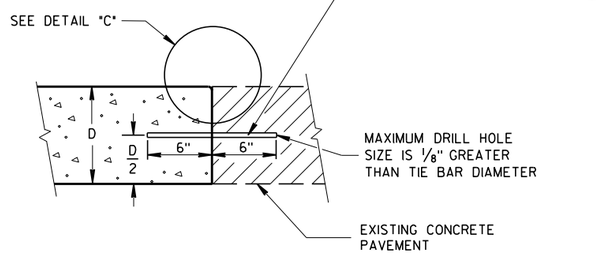
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

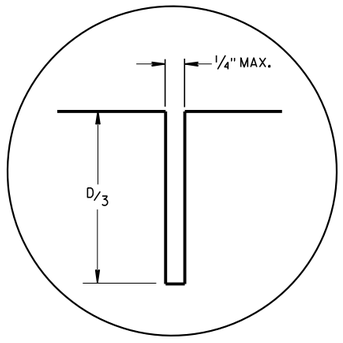


PLAN VIEW

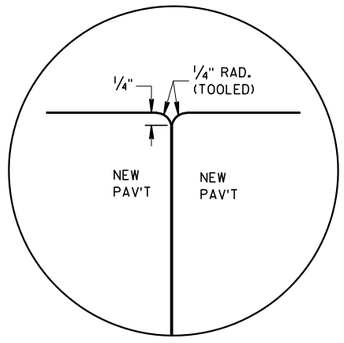


SECTION A-A

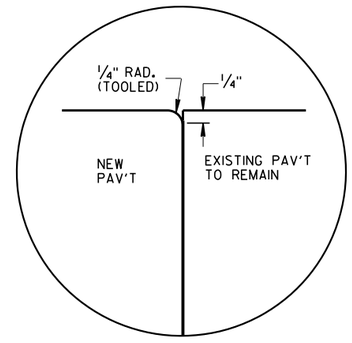
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



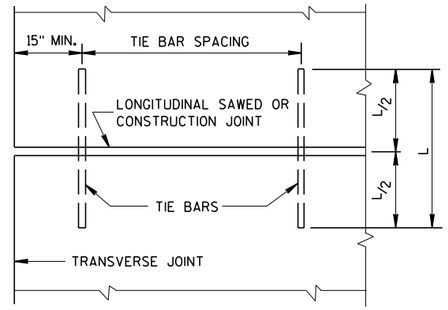
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

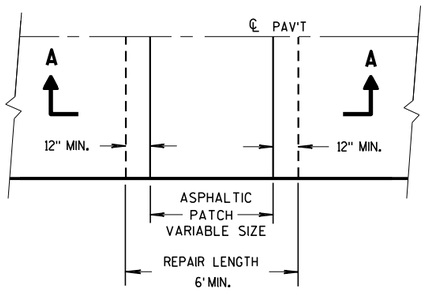
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

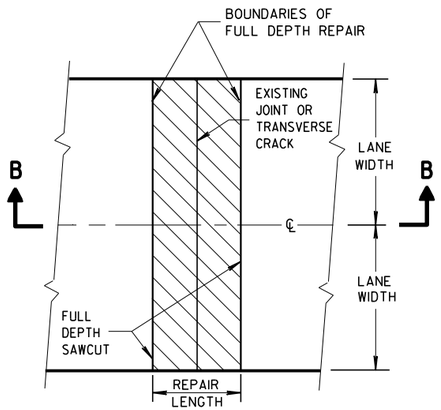
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

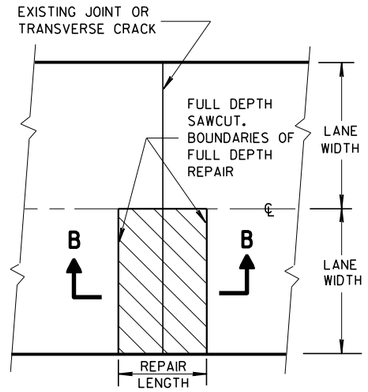
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

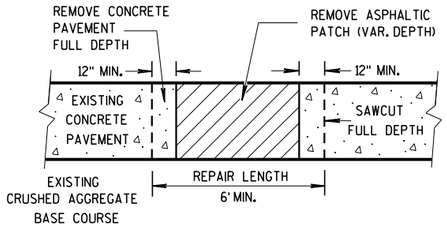


PLAN VIEW
(DOUBLE LANE REPAIR)



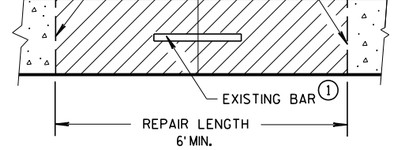
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

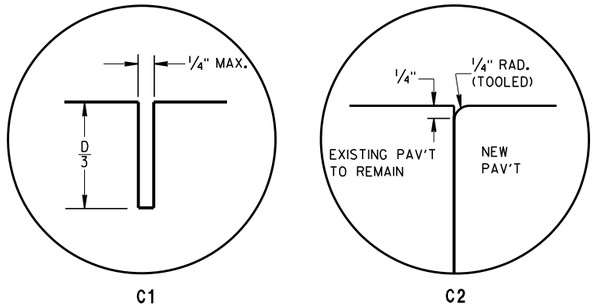
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 9-15a

6

S.D.D. 13 C 9-15a



C1 C2

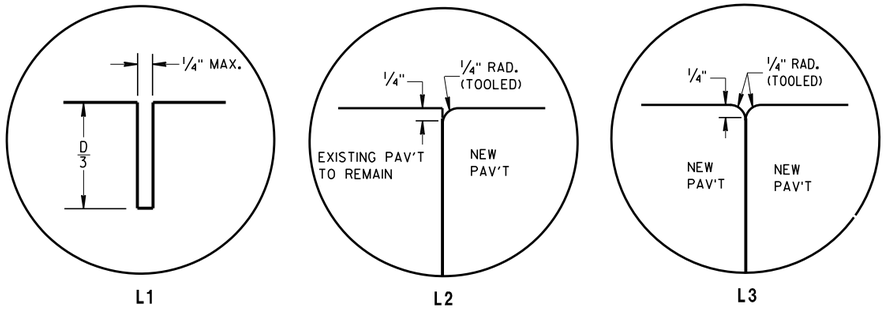
TRANSVERSE JOINTS

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

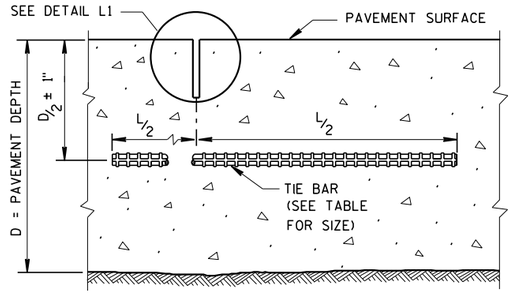
* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



L1 L2 L3

LONGITUDINAL JOINTS



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

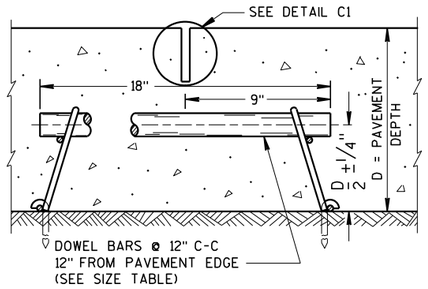
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

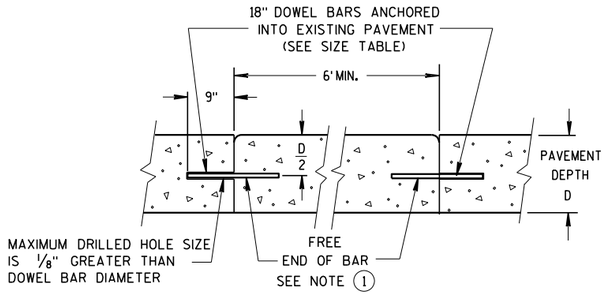
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

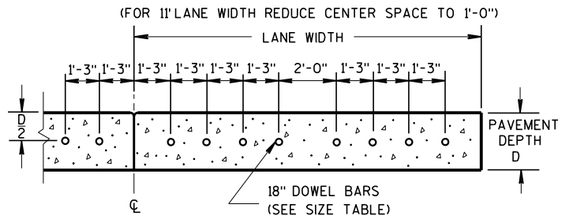


SECTION F-F

CONTRACTION JOINT



SECTION D-D

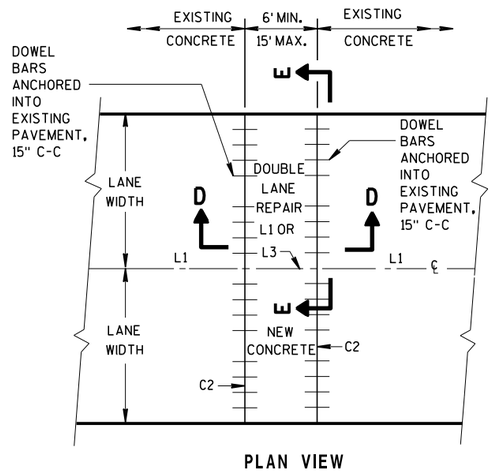


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

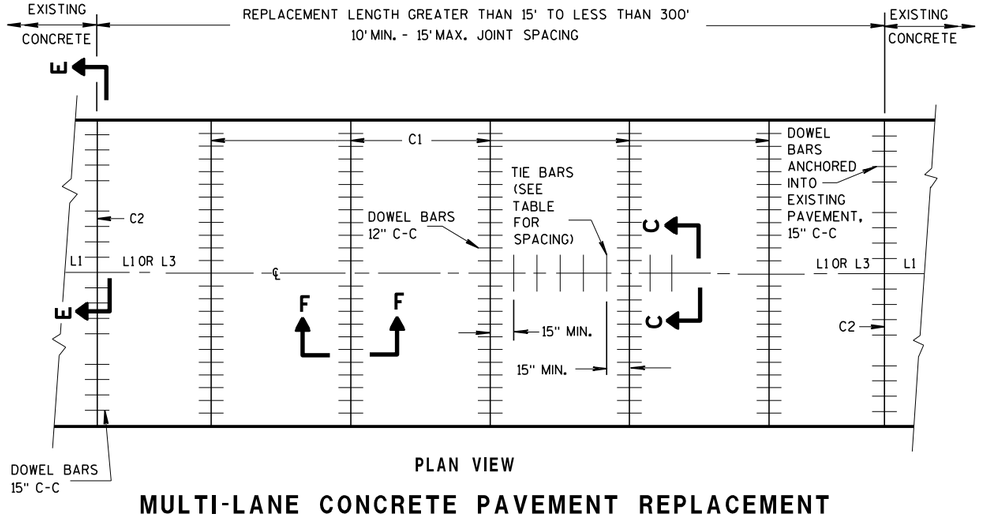
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	NONE	12'
7", 7 1/2"	1"	1"	14'
8", 8 1/2"	1 1/4"	1 1/4"	15'
9", 9 1/2"	1 1/4"	1 1/4"	15'
10" & ABOVE	1 1/2"	1 1/4"	15'



PLAN VIEW

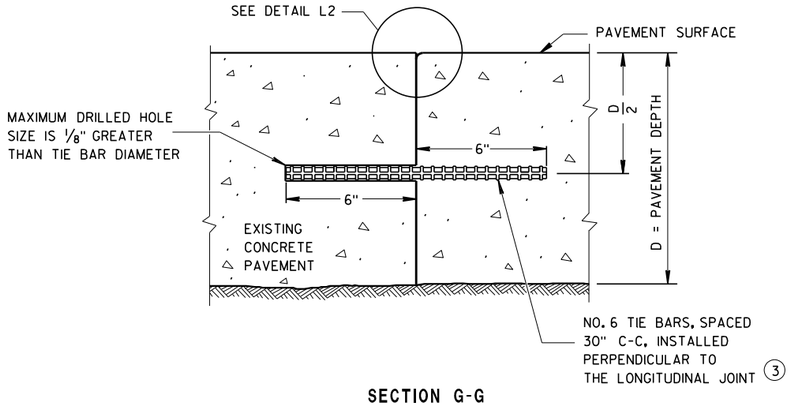
MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT



SECTION G-G

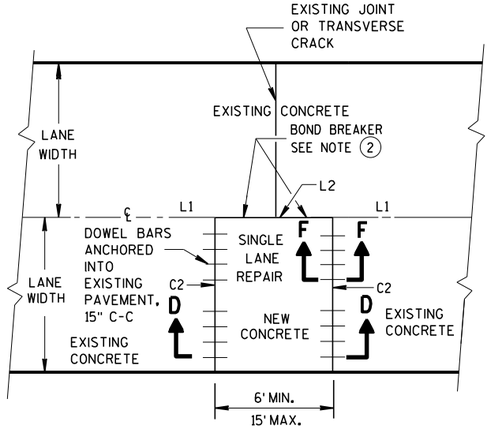
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

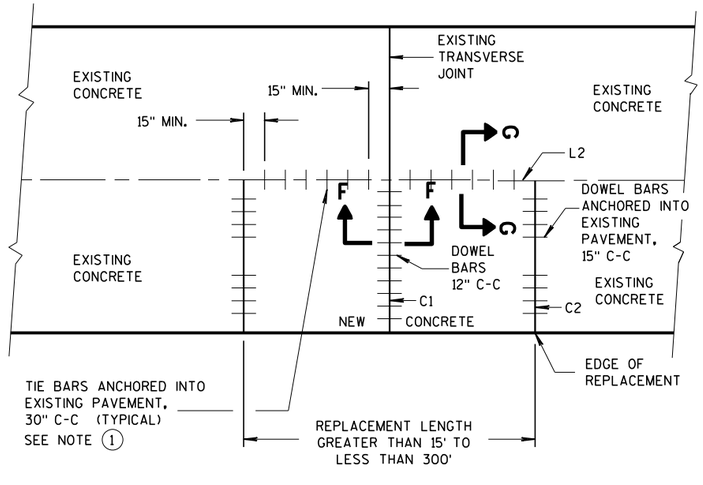
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

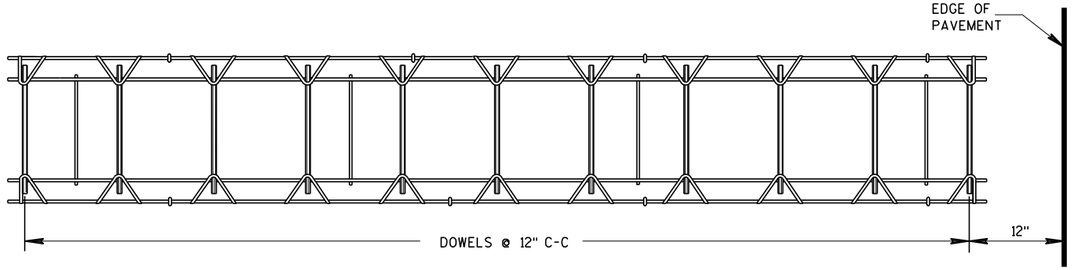
SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Ken... — PAVEMENT SUPE...
FHWA

6
S.D.D. 13 C 9-15c

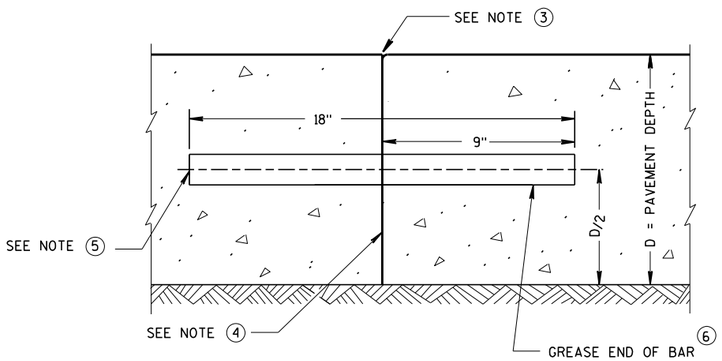


PLAN VIEW

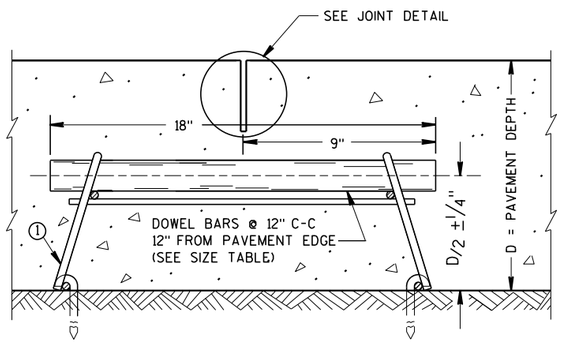


SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①



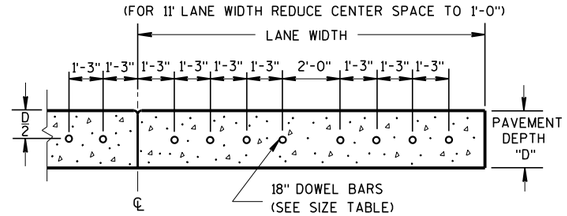
TRANSVERSE CONSTRUCTION JOINT



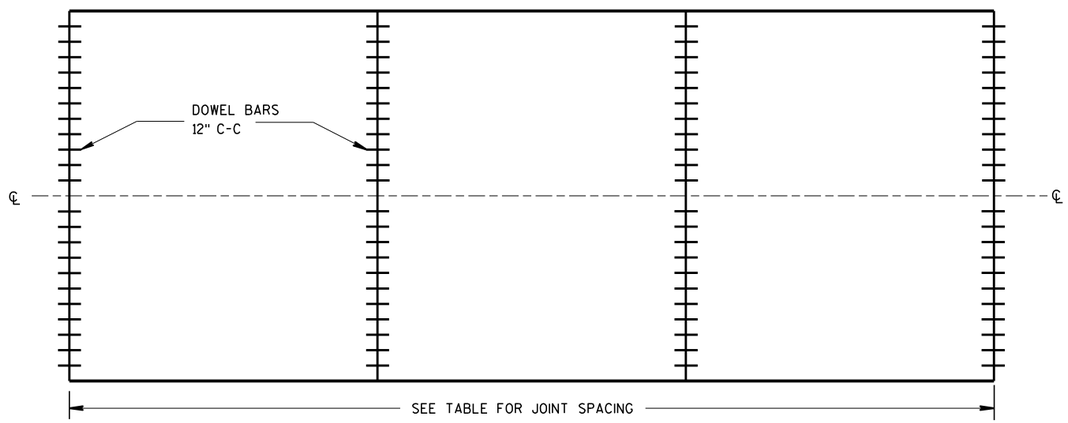
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

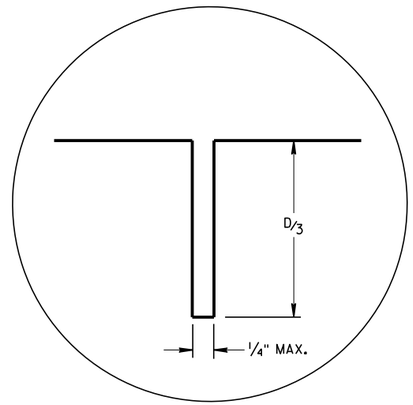
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

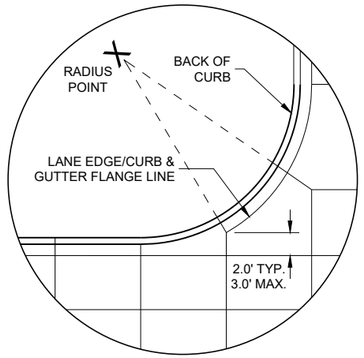
APPROVED
March 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUP

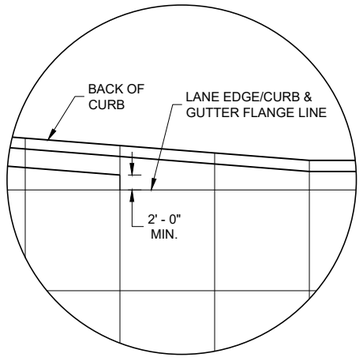
FHWA

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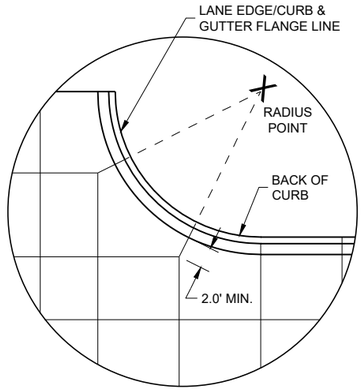
S.D.D. 13 C 13-9



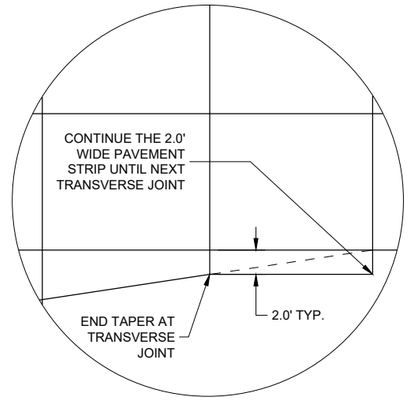
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

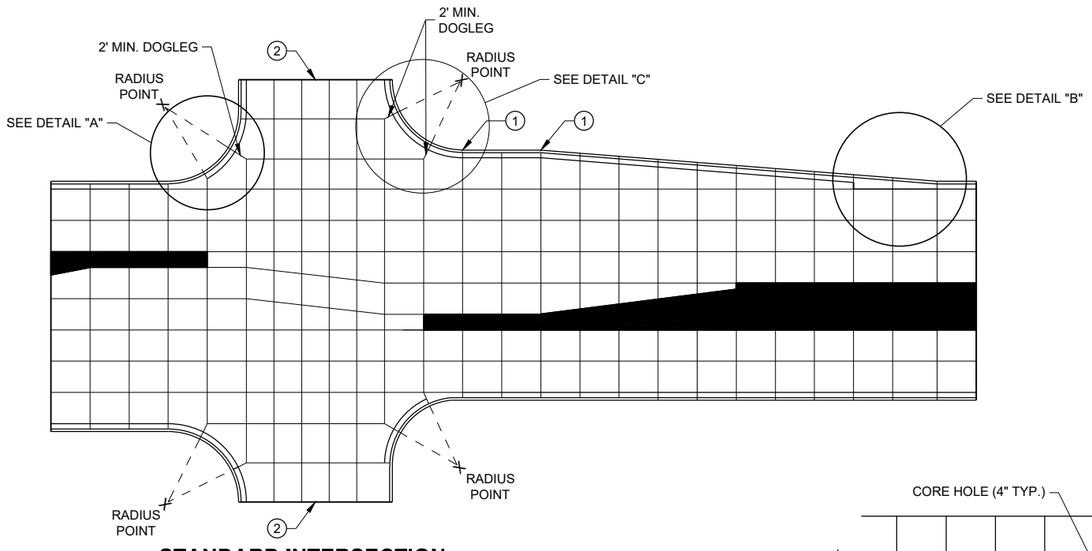
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

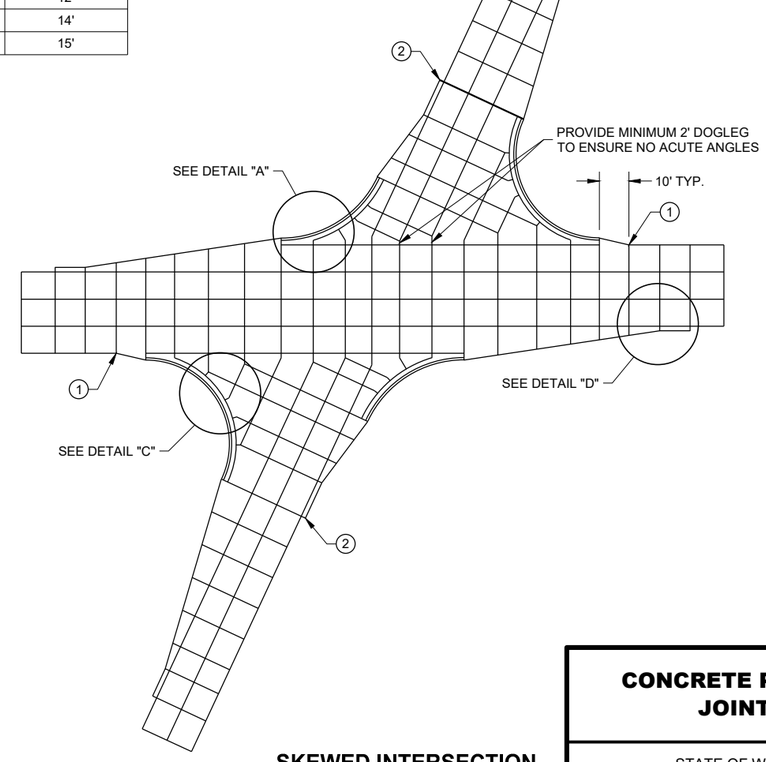
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



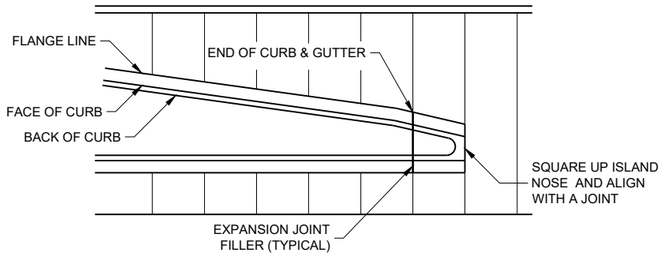
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

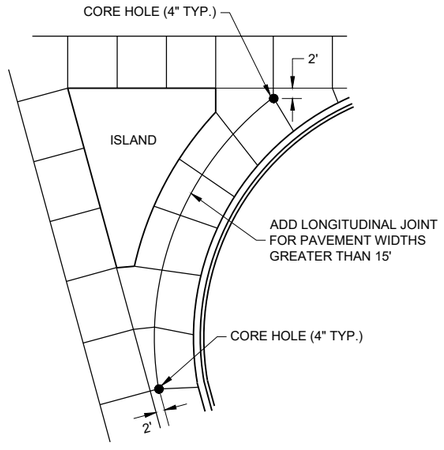
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

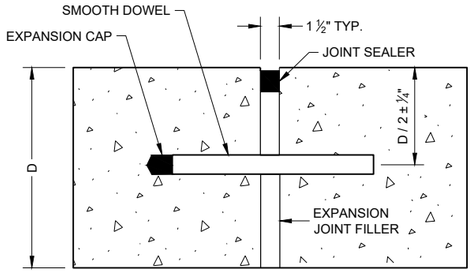
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

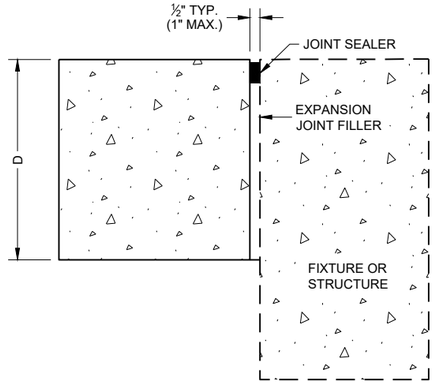
SDD 13C18 - 07a

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SDD 13C18 - 07a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

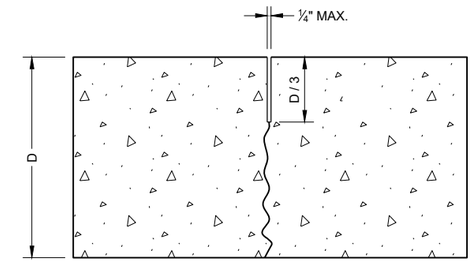
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

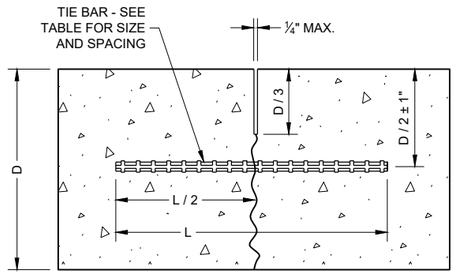
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

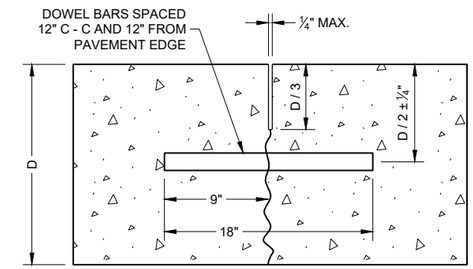
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

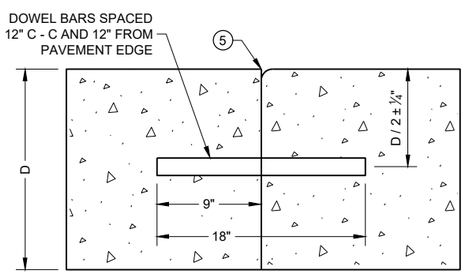


TIED LONGITUDINAL

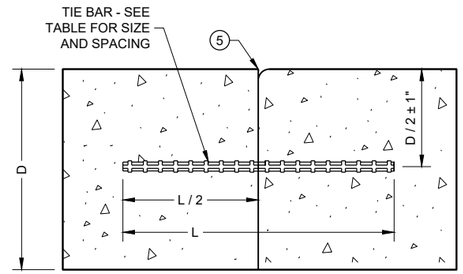


DOWELED TRANSVERSE

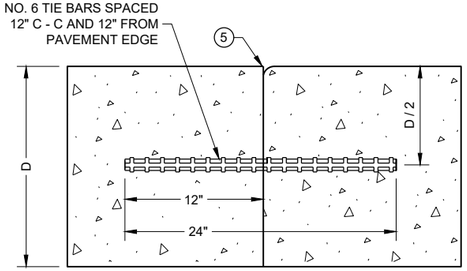
CONTRACTION JOINTS (2)



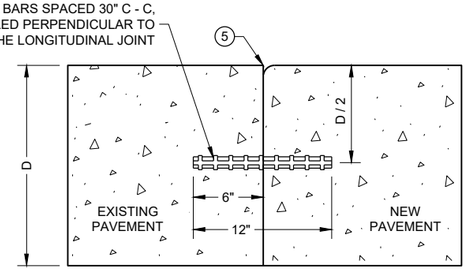
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

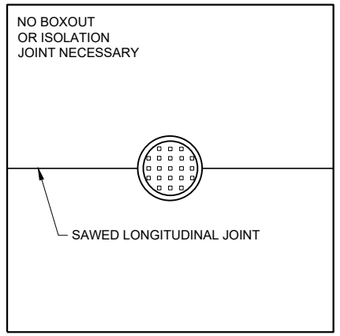
CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

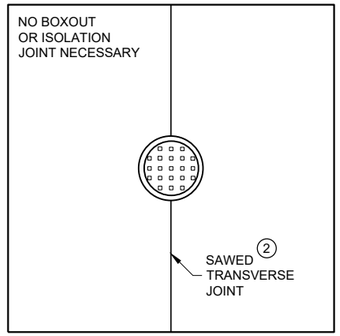
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SDD 13C18 - 07c

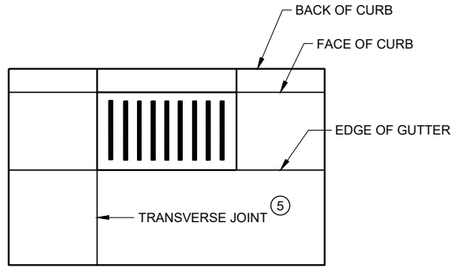
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



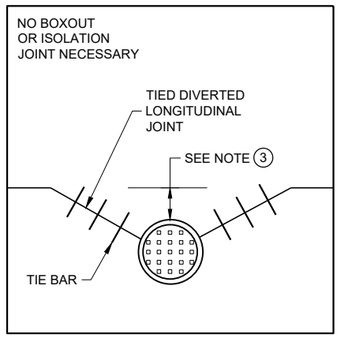
MANHOLE WITH TRANSVERSE JOINT



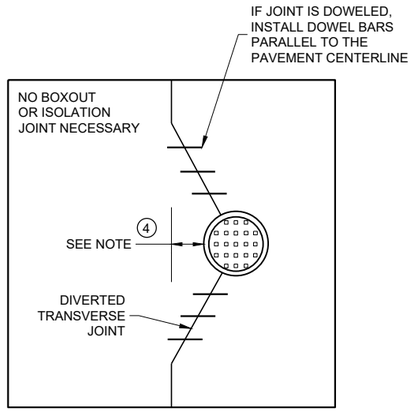
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

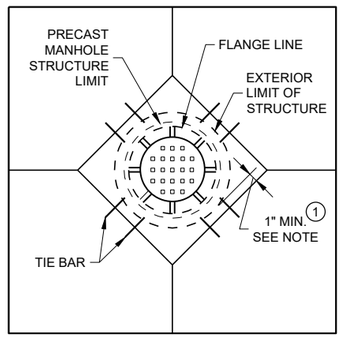
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

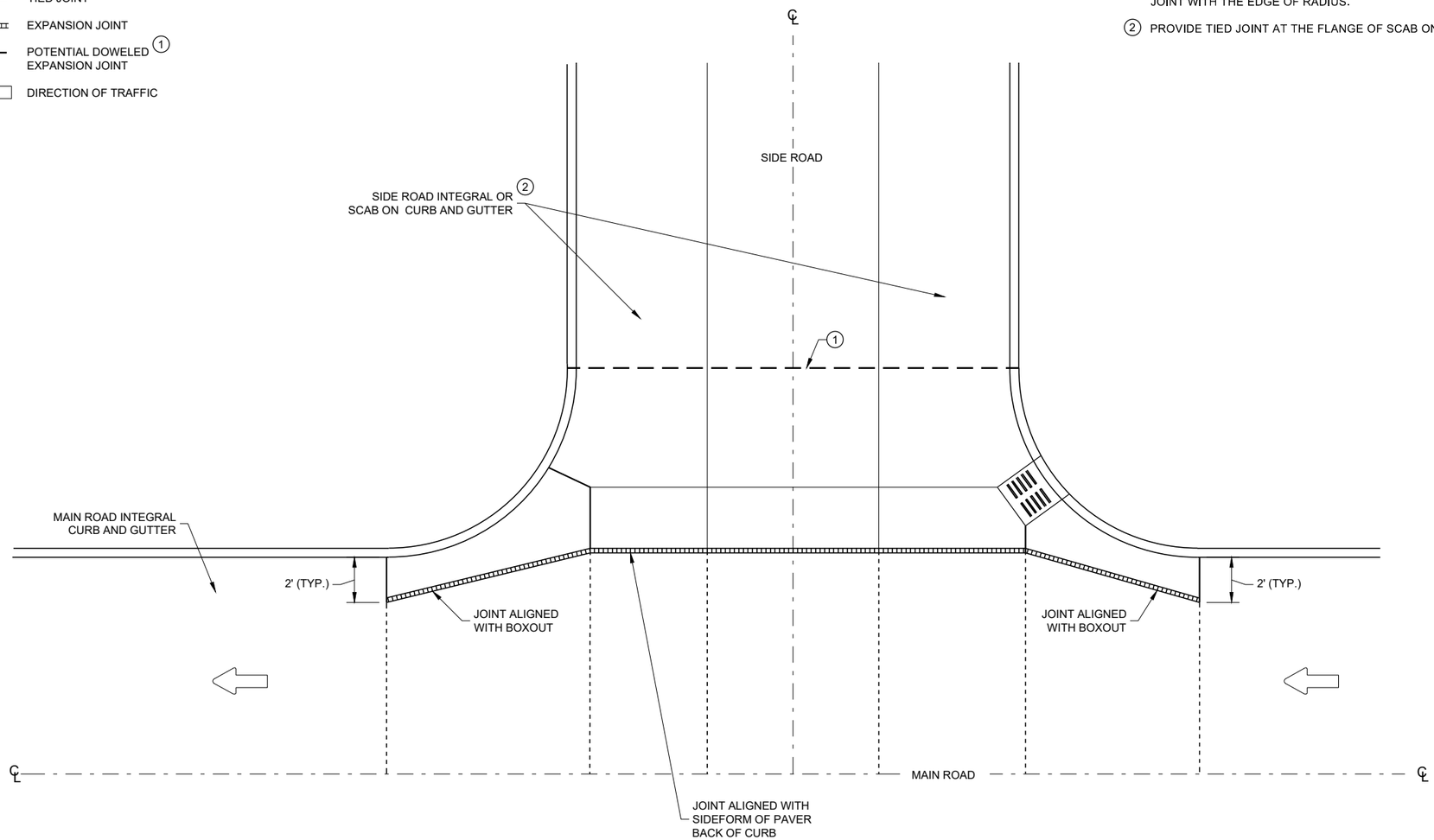
FHWA

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SDD 13C18 - 07d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

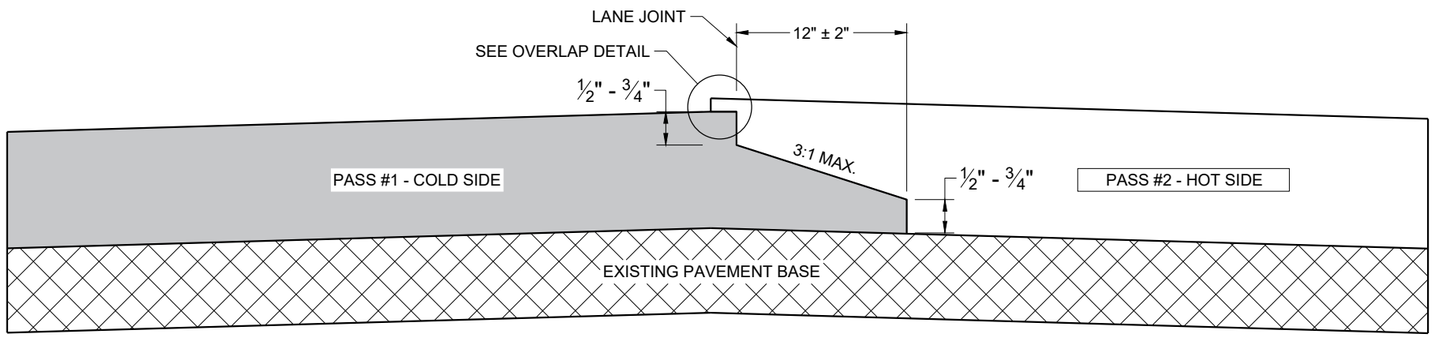
FHWA

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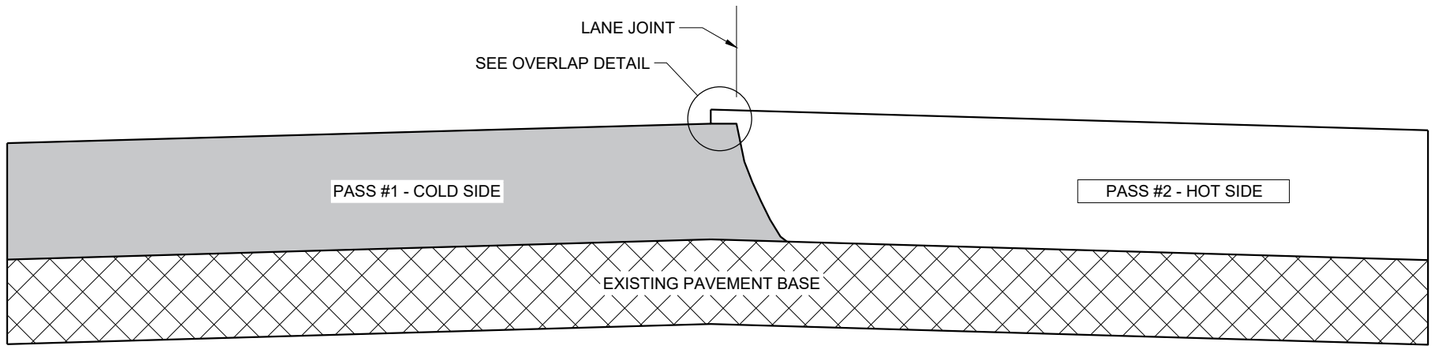
SDD 13C18 - 07f

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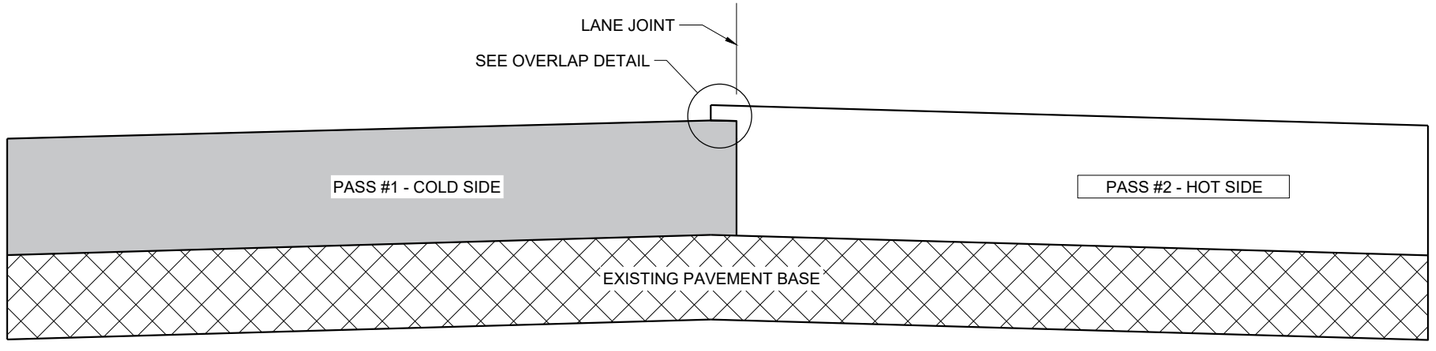
SDD 13C18 - 07f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

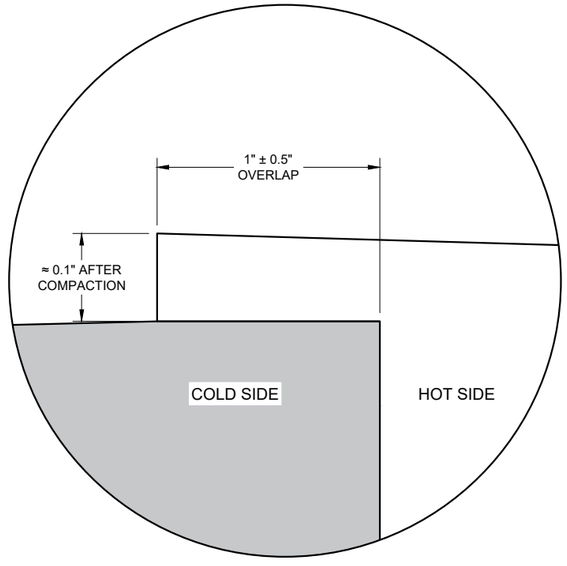
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

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)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

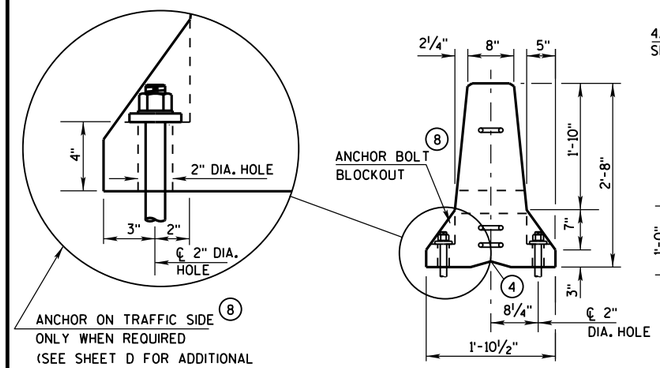
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

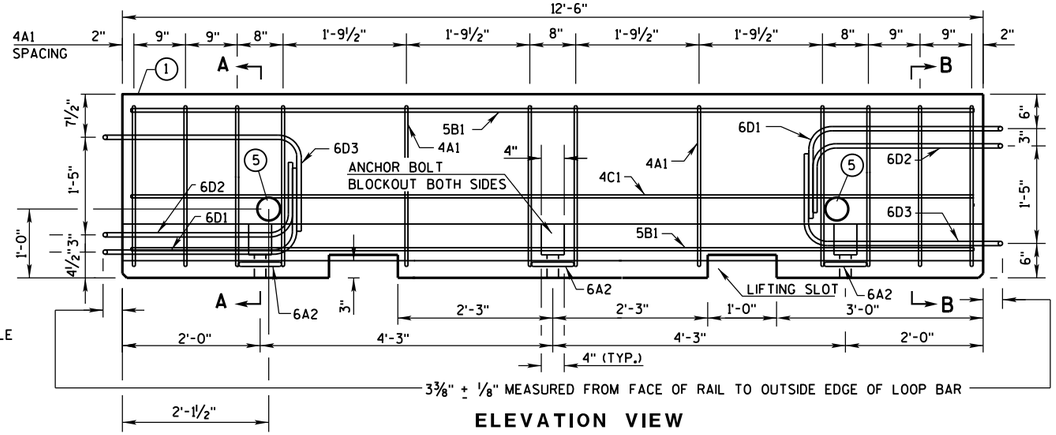
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

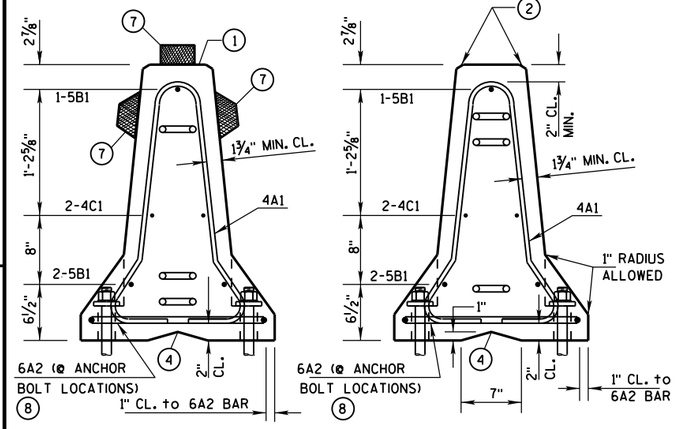
FHWA



END VIEW

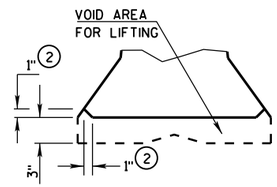


ELEVATION VIEW

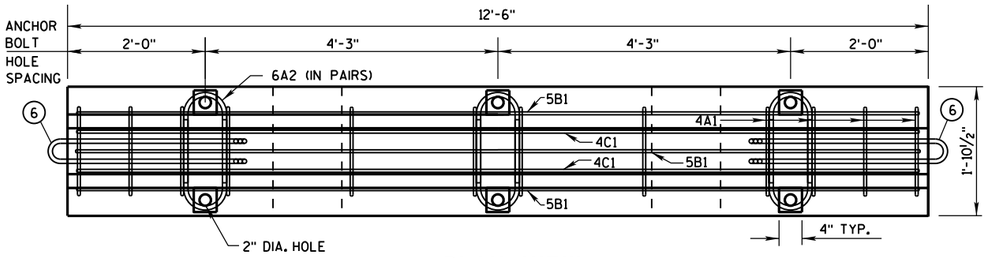


SECTION A-A
(STIRRUP PLACEMENT)

SECTION B-B
(STIRRUP PLACEMENT)

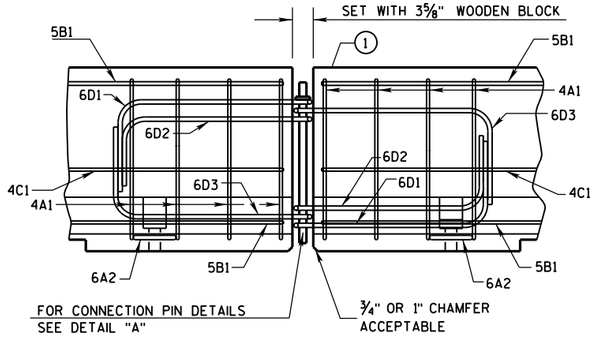


DETAIL "B"
LIFTING SLOT DETAIL

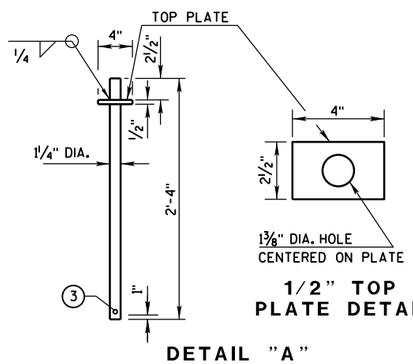


PLAN VIEW

DETAILS OF BARRIER SECTION

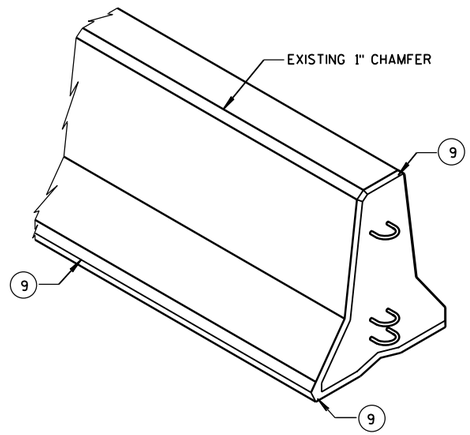


DETAILS OF BARRIER CONNECTION



1/2" TOP PLATE DETAIL

DETAIL "A"
CONNECTION PIN
(A36 STEEL (10.9 LB EACH))



GENERAL NOTES

THESE GENERAL NOTES APPLY TO SHEETS 14B7-15(a) THRU 14B7-15(i).

DO NOT INTERMIX CONCRETE BARRIER TEMPORARY PRCAST, 12'-6" (CBTP12.5) WITH OTHER TEMPORARY CONCRETE BARRIERS.

USE ASTM A-615, GRADE 60, DEFORMED STEEL BARS FOR BARS 4A1, 6A2, 5B1 AND 4C1 IN THE BARRIER SECTION AND FOR 4V1, 4V2, 4V3, 4V4, 4V5, 4V6, 4F1, 4F2 AND 5F3 IN THE BARRIER TAPER SECTION.

LOOP BARS 6D1, 6D2 AND 6D3 SHALL BE ¾" SMOOTH STEEL BARS WITH A MINIMUM YIELD STRENGTH OF 60 KSI, A TENSILE STRENGTH OF NOT LESS THAN 1.25 TIMES THE YIELD STRENGTH BUT A MINIMUM OF 80 KSI, A MINIMUM 14% ELONGATION IN 8 INCHES AND PASSING A 180 DEGREE BEND TEST USING A 3-½" PIN BEND DIAMETER FOR BEND TESTS. THE LOOPS SHALL BE INSTALLED WITHIN ⅛" OF THE PLAN DIMENSION.

CONSTRUCT LIFTING SLOTS AS SPECIFIED ON THE PLANS TO FACILITATE THE DRAINAGE OF WATER AFTER INSTALLATION.

PLACE BARRIER ON A PAVED SURFACE. REMOVE ALL LOOSE DIRT AND SAND FROM THE ROADWAY SURFACE PRIOR TO PLACEMENT OF THE BARRIER.

INSTALL MECHANICAL OR ADHESIVE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE MANUFACTURER'S INFORMATION TO PROJECT ENGINEER.

(1) MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
- a. TYPE: WI CBTP
- b. MANUFACTURER
- c. DATE MANUFACTURED (MONTH AND YEAR)

(2) 1" CHAMFER TO PREVENT SPALLING.

(3) A ⅜" HOLE IN THE CONNECTION PIN, AT THE LOCATION SHOWN, IS ACCEPTABLE, BUT NOT REQUIRED..

(4) "V" NOTCH IS OPTIONAL.

(5) THE 4" DIAMETER, 11 GAUGE STEEL, ROUND MECHANICAL TUBING SLEEVE FOR LIFTING (OPTIONAL).

(6) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

(7) USE DELINEATORS CONFORMING TO SECTION 633 OF THE STANDARD SPECIFICATIONS. CONTRACTOR MAY USE ALTERNATE SHAPES AND HOUSING. INSTALL DELINEATORS ACCORDING TO MANUFACTURES INSTRUCTION. INSTALL YELLOW REFLECTORS WHEN BARRIER IS LOCATED TO THE LEFT OF TRAFFIC AND WHITE REFLECTORS WHEN BARRIER IS LOCATED TO THE RIGHT OF TRAFFIC. SPACE DELINEATORS A MAXIMUM OF 25 FEET APART. PROVIDE TOP MOUNTED DELINEATORS IN ADDITION TO THE SIDE MOUNTED DELINEATORS ON ALL BARRIER INSTALLATIONS LOCATED ON A CURVED ALIGNMENT LONGER THAN 200 FEET AND ON BARRIERS USED TO SEPARATE OPPOSING TRAFFIC.

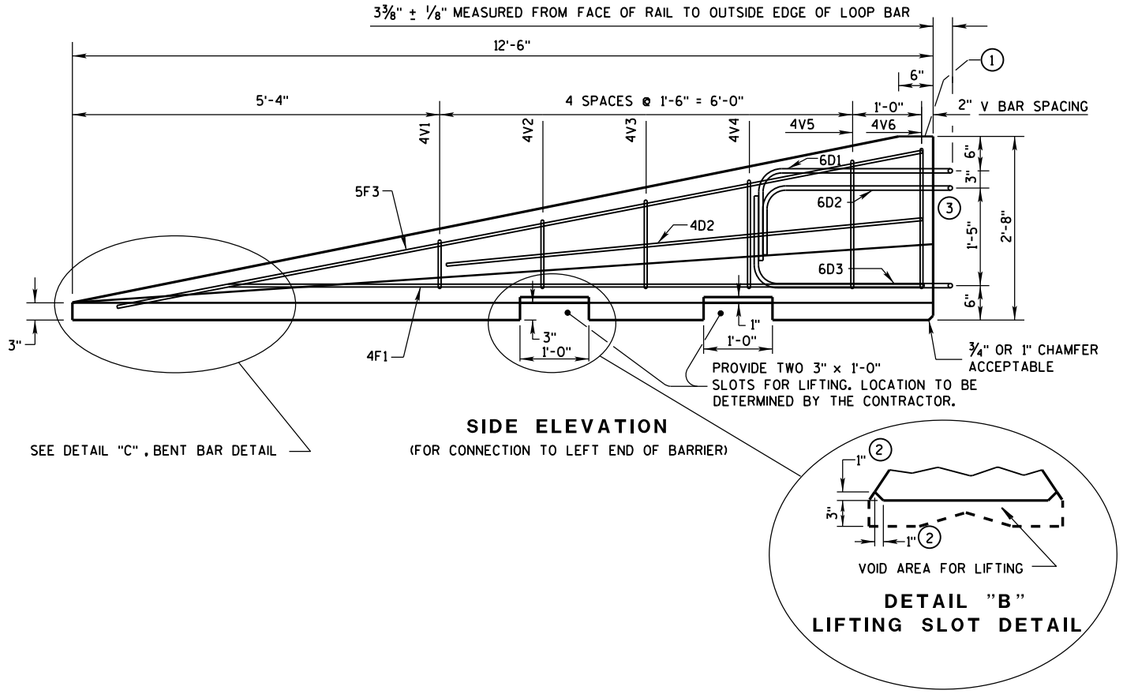
(8) SEE SHEET D FOR HOW TO ANCHOR BARRIER. SEE SHEET E FOR WHEN TO ANCHOR BARRIER.

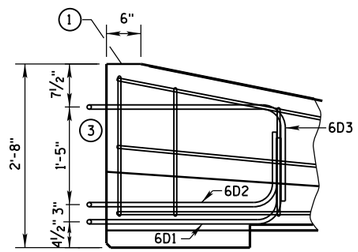
(9) 1" CHAMFER OPTIONAL.

f'c = 4,000 psi

CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

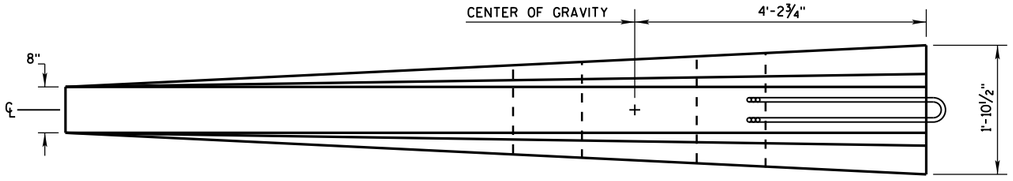
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 254

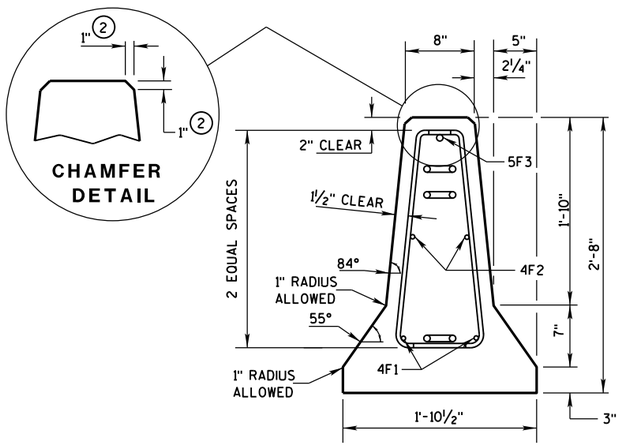


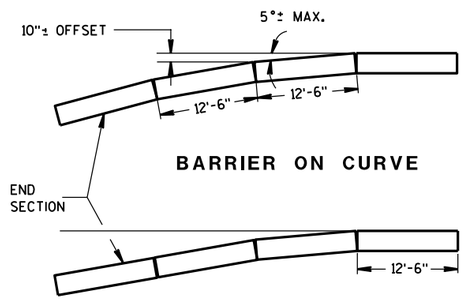


GENERAL NOTES

1. MARK ONE END OF EACH BARRIER PERMANENTLY BY FORMING INTO THE BARRIER THE FOLLOWING INFORMATION:
   a. TYPE WICBTP
   b. MANUFACTURER
   c. DATE MANUFACTURED (MONTH AND YEAR)
2. 1" CHAMFER TO PREVENT SPALLING.
3. NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.







POSTED SPEED, (MPH)	FLARE RATE
40 OR LESS	6:1
45 OR GREATER	8:1

DETAILS OF BARRIER TAPER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

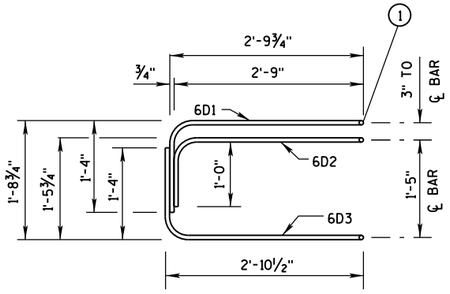
6

S.D.D. 14 B 7-15b

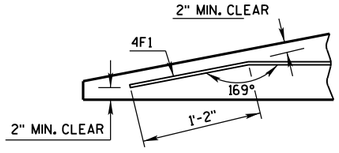
BARRIER TAPER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER TAPER SECTION)

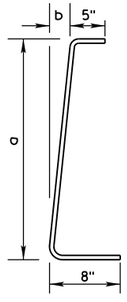
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4V1	4	2	1'-11"
4V2	4	2	2'-2"
4V3	4	2	2'-6"
4V4	4	2	2'-9"
4V5	4	2	3'-2"
4V6	4	2	3'-4"
4F1	4	2	12'-0"
4F2	4	2	7'-6"
5F3	5	1	11'-9"
LOOP ASSEMBLY			
6D1	6	1	8'-5"
6D2	6	1	7'-7"
6D3	6	1	8'-6"



ELEVATION
LOOP BAR ASSEMBLY



DETAIL "C"
BENT BAR DETAIL



BAR	a	b
V1	10"	1"
V2	1'-1"	1¼"
V3	1'-5"	1⅝"
V4	1'-8"	1⅞"
V5	2'-0½"	2⅜"
V6	2'-3"	2¾"

4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

TAPER BARRIER SECTION

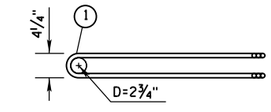
GENERAL NOTES

(1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

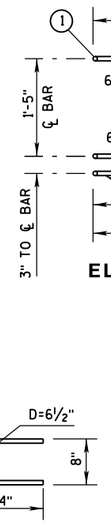
BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

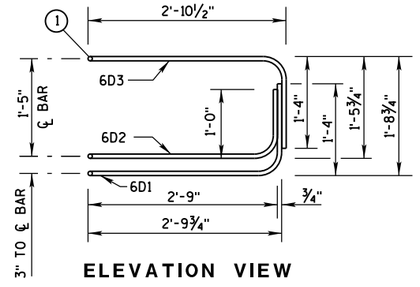
BAR	BAR SIZE	NO. OF BARS	LENGTH FT.
4A1	4	12	6'-0"
6A2	6	6	2'-11"
5B1	5	3	12'-2"
4C1	4	2	12'-2"
LOOP ASSEMBLY			
6D1	6	2	8'-5"
6D2	6	2	7'-7"
6D3	6	2	8'-6"



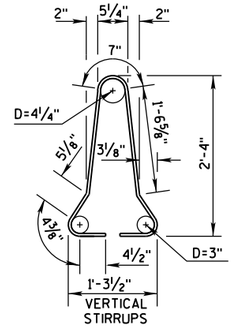
PLAN VIEW
LOOP BAR ASSEMBLY
(MARKED END SHOWN, INVERT FOR OTHER END)



6A2



ELEVATION VIEW



4A1

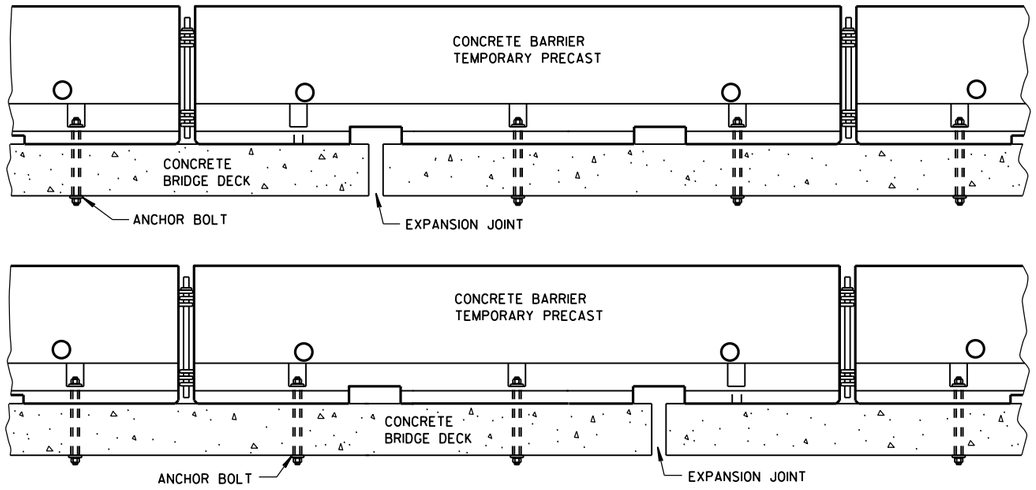
BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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TREATMENT AT BRIDGE DECK EXPANSION JOINTS

(NO SINGLE CONCRETE BARRIER SECTION SHALL BE ANCHORED TO BOTH THE BRIDGE DECK AND THE APPROACH SLAB. ALL ANCHOR BOLT LOCATIONS SHALL BE ANCHORED TO THE DECK IN ACCORDANCE WITH THE DETAIL. NO MORE THAN ONE ANCHOR BOLT SHALL BE ELIMINATED FROM A BARRIER SECTION WHEN SPANNING AN EXPANSION JOINT.)

GENERAL NOTES

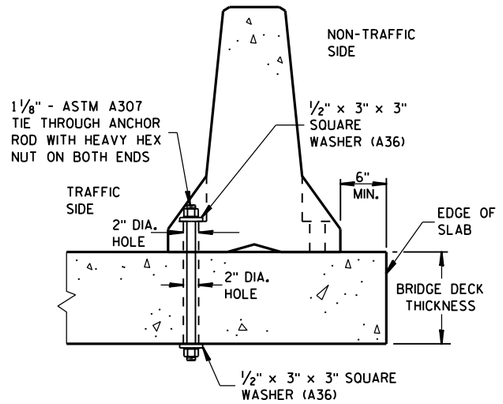
SEE SHEET E FOR WHEN TO ANCHOR. OTHER PARTS OF THE PLAN MAY SHOW ADDITIONAL LOCATIONS REQUIRING ANCHORING.

REMOVE ALL ANCHORS WHEN NO LONGER NEEDED. FILL CONCRETE PAVEMENTS, DECKS AND APPROACH SLABS WITH NON-SHRINK COMMERICAL GROUT FROM THE APPROVED PRODUCT LIST. FILL ASPHALT PAVEMENTS WITH ASTM D6690 TYPE II RUBBERIZED CRACK FILLER.

(1) 1⅛" DIAMENTER A307 THREADED ROD. ½" X 3" X 3" SQUARE PLATE WASHER WITH ASTM A36 STEEL. ASTM A563A HEAVY HEX NUT.

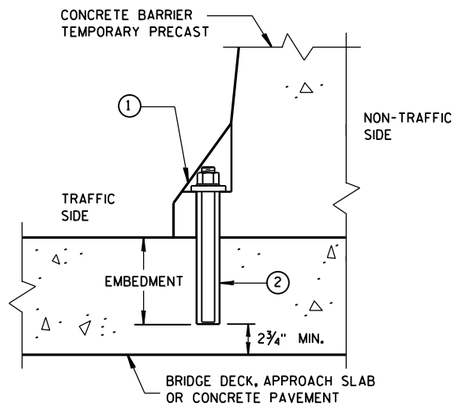
(2) ADHESIVE ANCHORS WITH A MINIMUM BOND STRENGTH OF 1,800 PSI AND 5¼" EMBEDMENT. SEE 603.2 AND 603.3.1.2 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR MORE INFORMATION ON ADHESIVE ANCHORS.

(3) ASPHALT SURFACE SHOWN. CONTRACTOR MAY DRILL THROUGH CONCRETE PAVEMENT AND THAN DRIVE ASPHALT ANCHOR PIN.



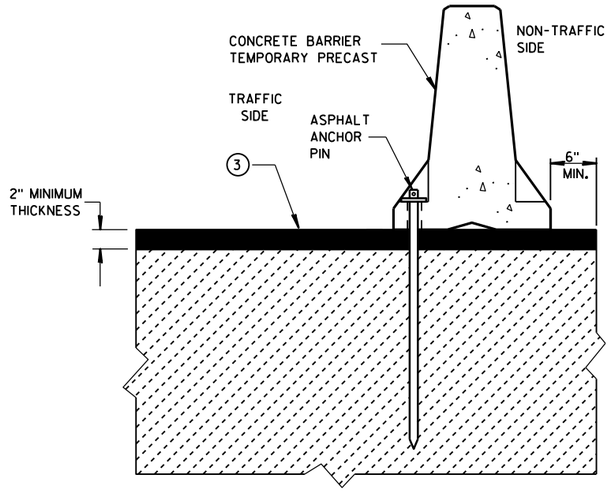
THROUGH BOLTED ANCHOR INSTALLATION ON BRIDGE DECK

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

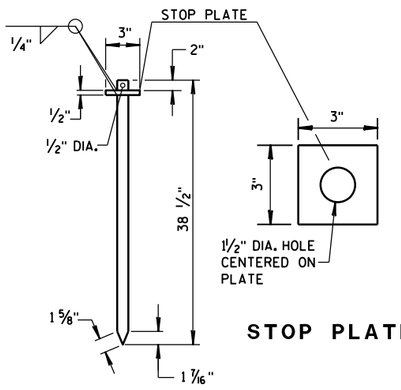


REMOVABLE ADHESIVE ANCHOR INSTALLATION ON CONCRETE BRIDGE DECK, CONCRETE APPROACH SLAB, OR CONCRETE PAVEMENT

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)



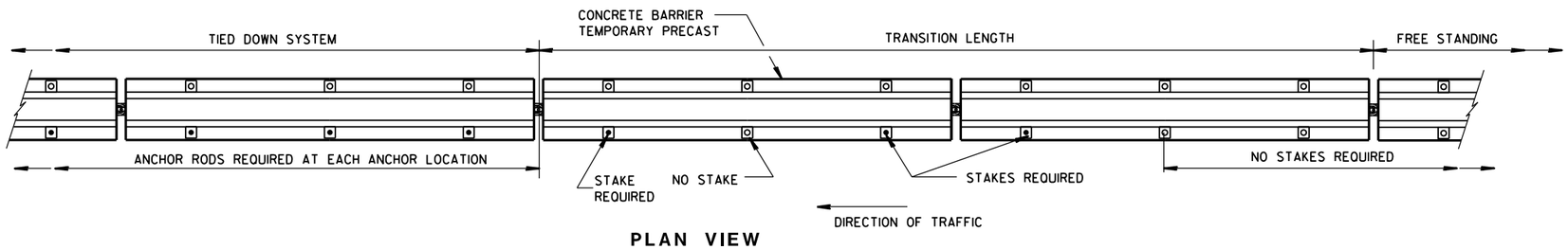
STAKE DOWN INSTALLATION FOR ASPHALTIC SURFACE



STOP PLATE

ASPHALT ANCHOR PIN

(ASTM A36 STEEL)



PLAN VIEW

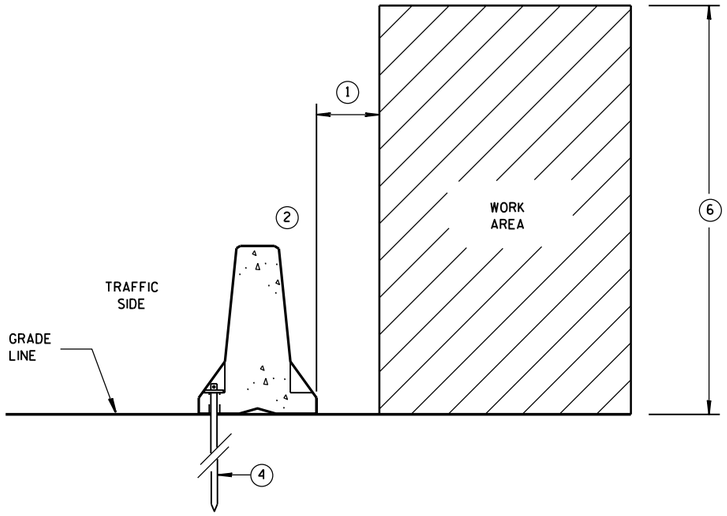
FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY. IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN.)

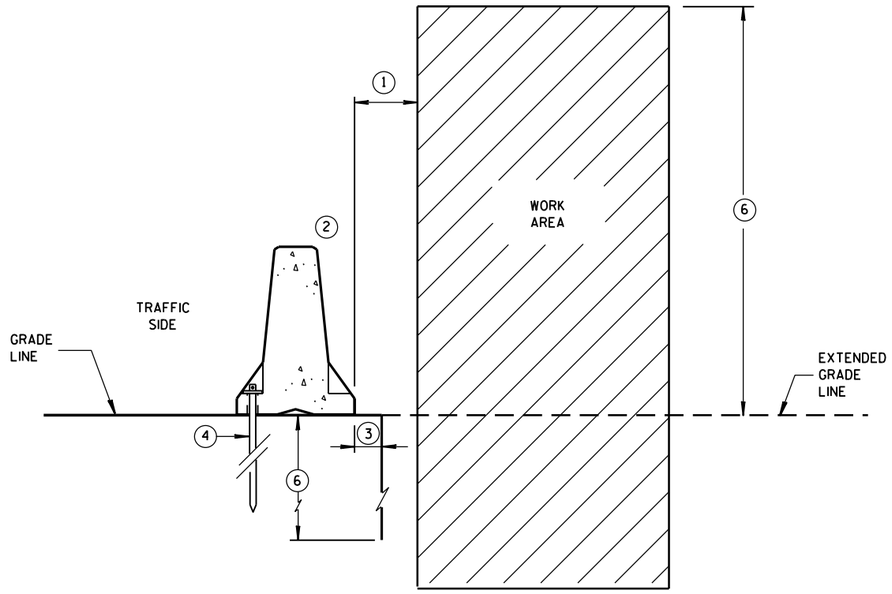
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
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S.D.D. 14 B 7-15d



ANCHORED BARRIER SPACE REQUIREMENTS FOR HAZARDS EXTENDED ABOVE THE GRADE LINE

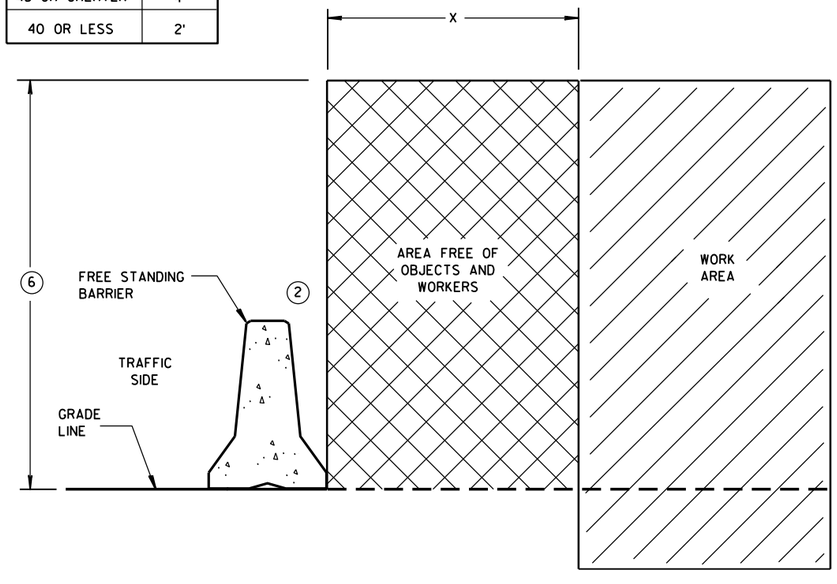


ANCHORED BARRIER SPACE REQUIREMENTS ON VERTICAL DROP OFFS

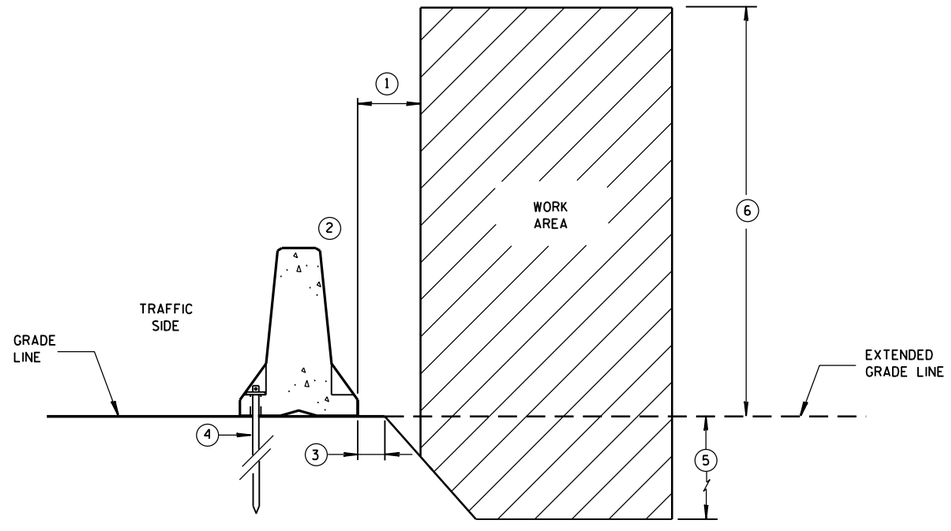
GENERAL NOTES

1. WHEN OBJECTS EXTEND ABOVE THE GRADE, A MINIMUM OF 1 FOOT IS REQUIRED FROM BACK OF BARRIER TO OBJECT. SEE OTHER DETAILS FOR FOR THE MINIMUM OFFSET FROM BACK OF BARRIER TO SLOPES OR VERTICAL DROPS.
2. OBJECTS ARE NOT TO BE PLACED ON, MOUNTED TO, OR LEANED AGAINST THE BARRIER WITHOUT PERMISSION OF THE PROJECT ENGINEER.
3. SEE OTHER DETAIL ON SHEET "D" FOR SPACE REQUIREMENTS.
4. SEE BOLT THROUGH DECK, REMOVABLE ADHESIVE ANCHOR, OR A STAKE DOWN FOR ASPHALTIC SURFACE TREATMENT DETAILS. ASPHALTIC ANCHOR SHOWN.
5. DEPTH OF 3 FEET OR MORE.
6. Y = 6'-6".

POSTED SPEED MPH	X
45 OR GREATER	4'
40 OR LESS	2'



FREE STANDING BARRIER SPACE REQUIREMENTS



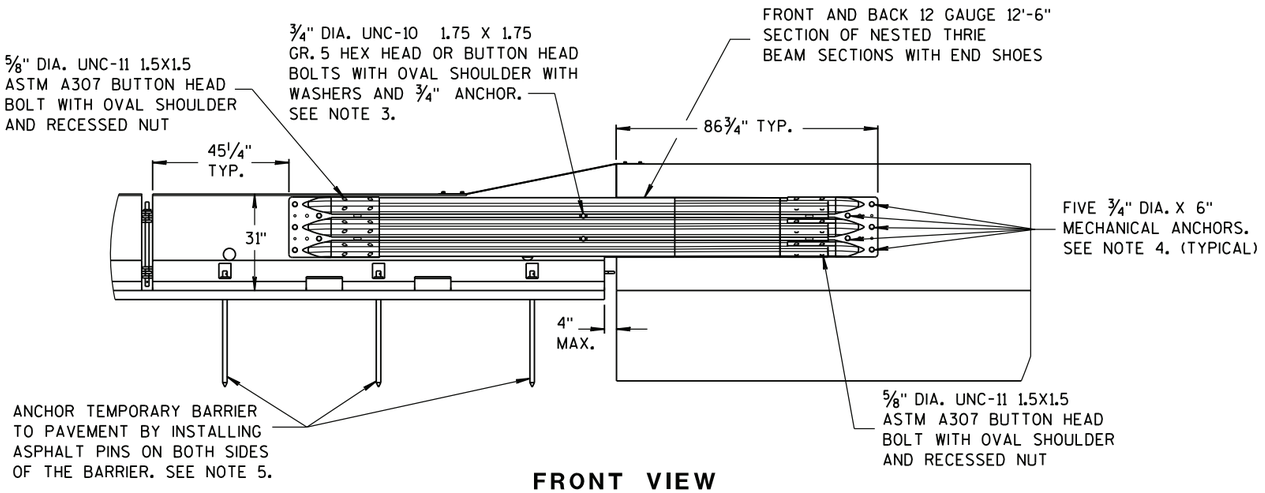
ANCHORED BARRIER SPACE REQUIREMENTS ON SLOPES

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

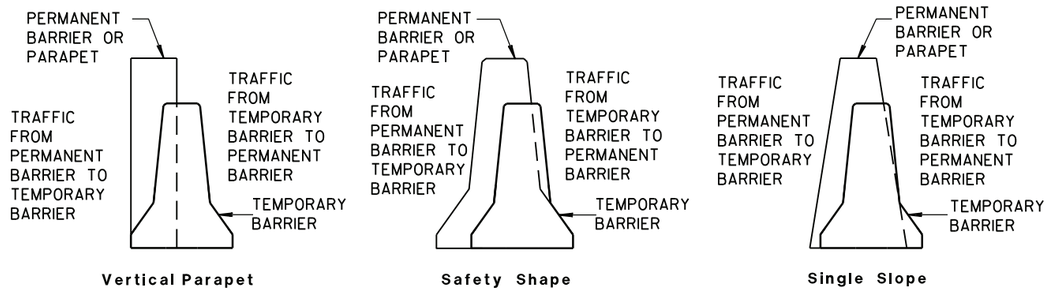
STATE OF WISCONSIN
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S.D.D. 14 B 7-15e



FRONT VIEW

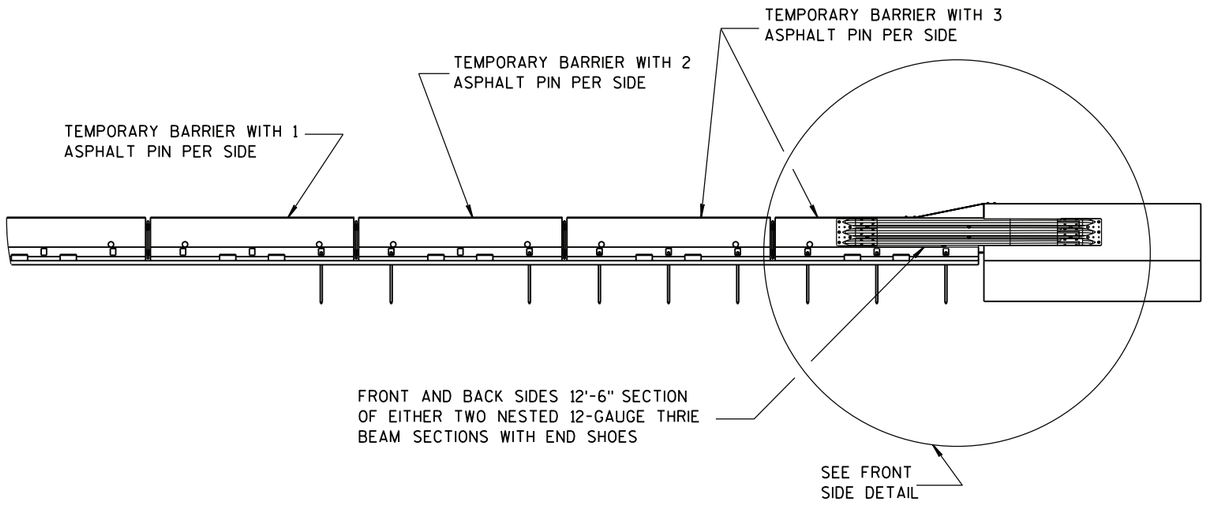


TEMPORARY BARRIER PLACEMENT FOR TRANSITION TO TIED DOWN SYSTEM

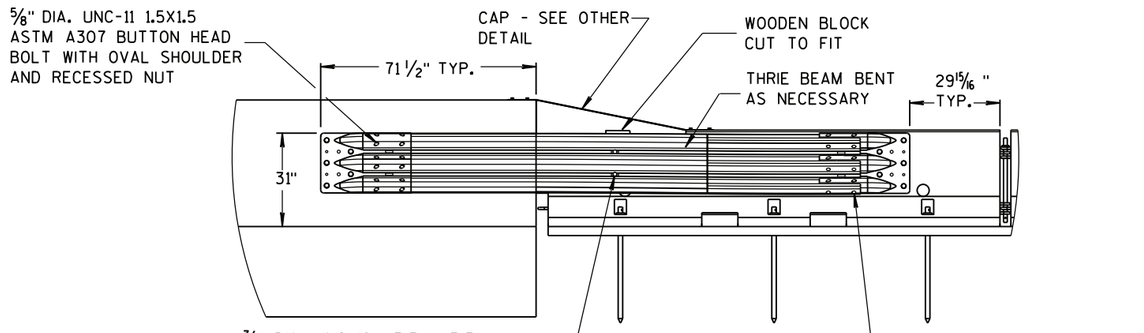
NOTES

NESTED THRIE BEAM IS REQUIRED ON BOTH SIDES OF THE TEMPORARY BARRIER FOR ALL INSTALLATIONS REGARDLESS OF TRAFFIC.

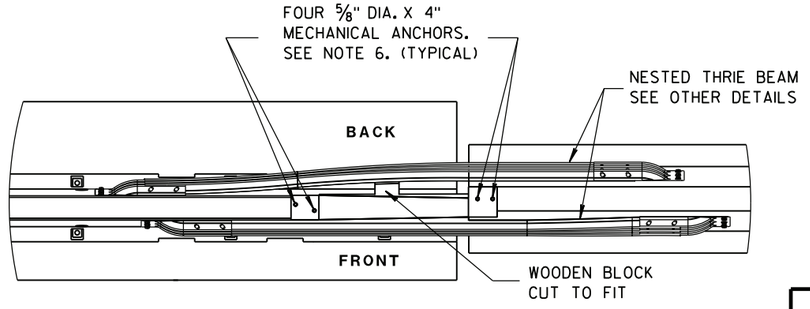
1. CAP END PLATE PLACED FLUSH WITH UPSTREAM END OF PERMANENT BARRIER OR PARAPET.
2. THRIE BEAM PIECES ARE OFFSET 15 1/4" TO PREVENT INTERFERENCE FROM THE ANCHORS ON OPPOSING SIDES.
3. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 9.48 KIPS AND ULTIMATE SHEAR LOAD 10.48 KIPS.
4. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 17.9 KIPS AND ULTIMATE SHEAR LOAD 21.96 KIPS.
5. MAY BE USED ON CONCRETE OR ASPHALT PAVEMENTS. ASPHALT OPTION SHOWN. FOR CONCRETE OPTION SEE OTHER DETAILS.
6. MINIMUM MECHANICAL OR ADHESIVE ANCHOR STRENGTH REQUIREMENTS: ULTIMATE TENSILE LOAD 12.14 KIPS AND ULTIMATE SHEAR LOAD 17.5 KIPS.



FRONT VIEW



BACK VIEW



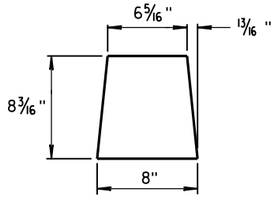
PLAN VIEW

TRANSITION TO TIED DOWN SYSTEM

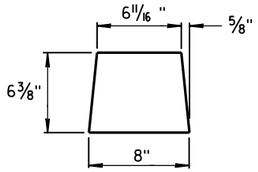
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

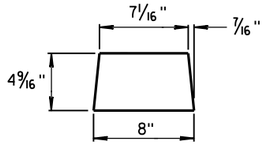
6
S.D.D. 14 B 7-15f



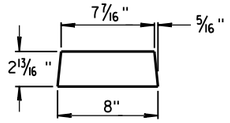
GUSSET 1



GUSSET 2

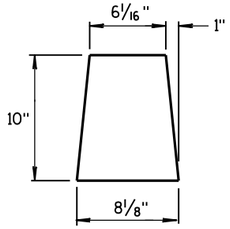


GUSSET 3

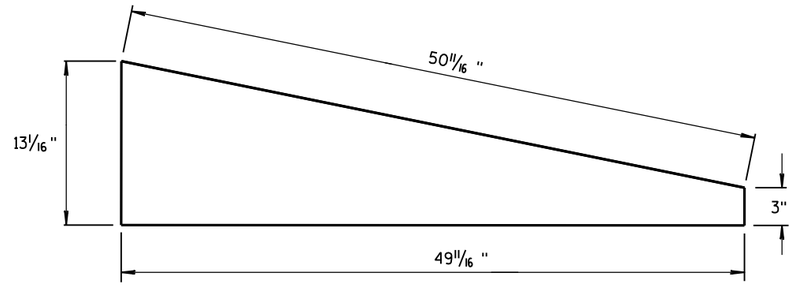


GUSSET 4

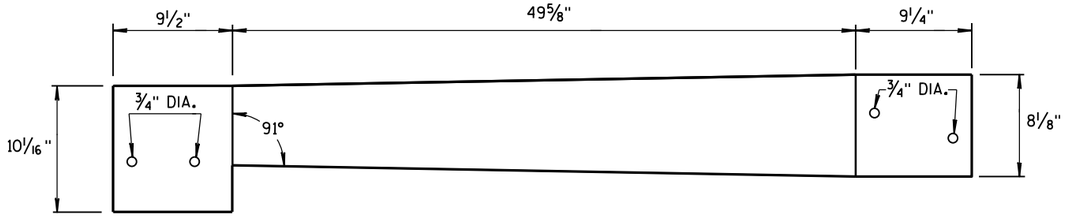
GUSSETS

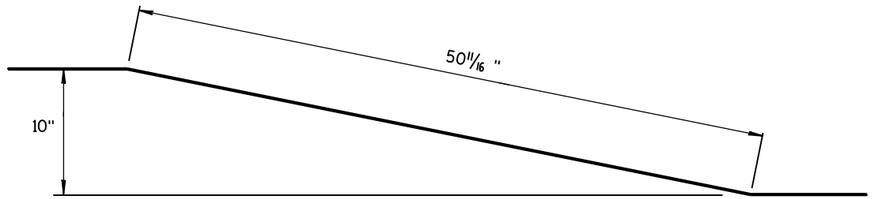


END PLATE



SIDE PLATE

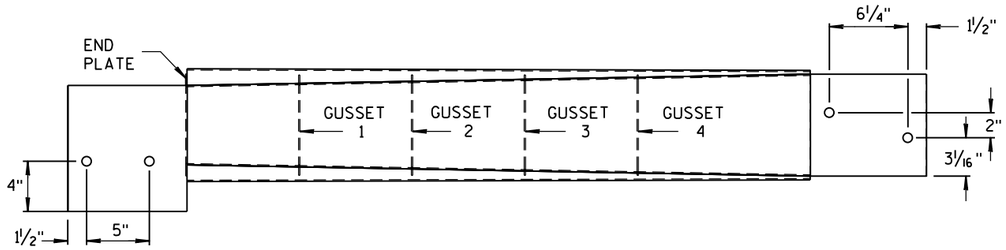


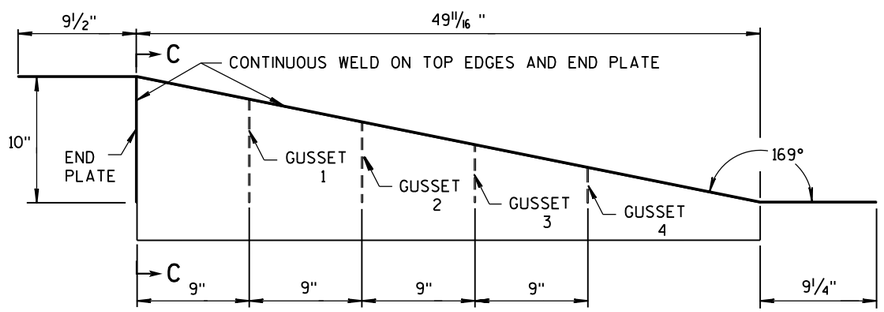


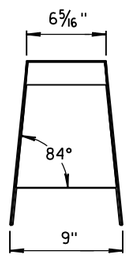
TOP PLATE

SIDE, TOP AND END PLATES FOR CAP FROM TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 GALVANIZED STEEL.







SECTION C-C

NOTES

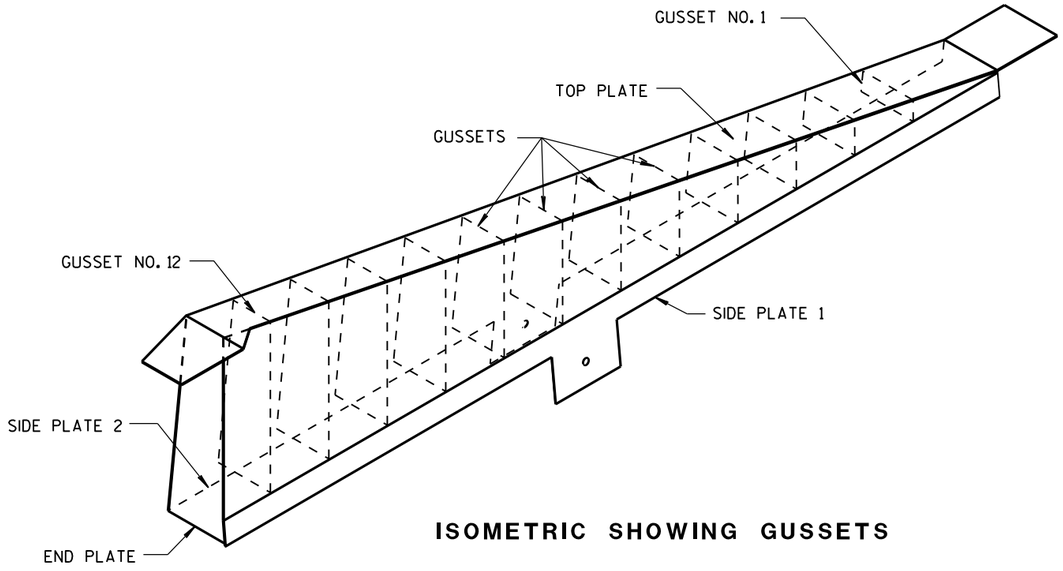
1. FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
2. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 42" PERMANENT CONCRETE BARRIER

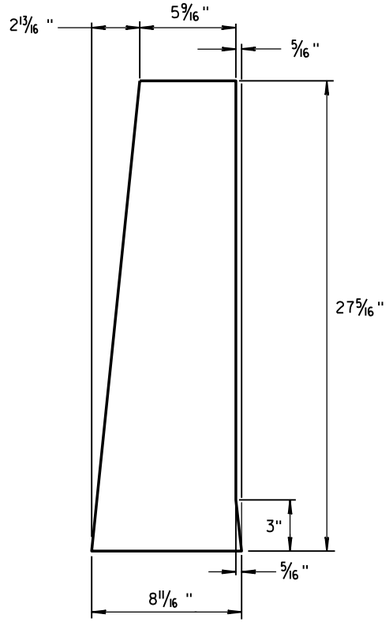
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6
S.D.D. 14 B 7-15g

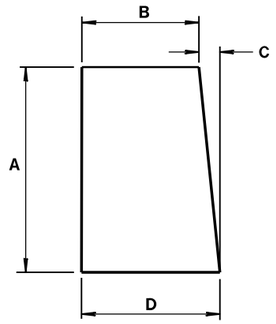


ISOMETRIC SHOWING GUSSETS



END PLATE

1/8" STEEL PLATE



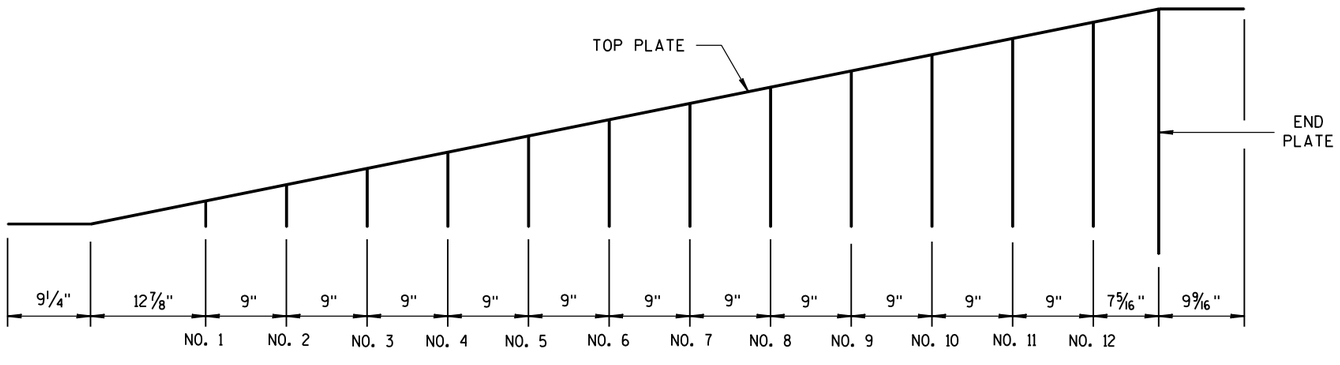
GUSSETS 1 - 12

ALL GUSSETS 1/8" STEEL PLATE

GUSSET DIMENSIONS				
GUSSET NO.	A	B	C	D
1	2 7/8"	7 3/4"	1/4"	8
2	4 11/16 "	7 9/16 "	1/2"	8
3	6 1/2"	7 3/8"	11/16 "	8 1/16 "
4	8 5/16 "	7 3/16 "	7/8"	8 1/16 "
5	10 1/8"	7"	1 1/16 "	8 1/16 "
6	11 15/16 "	6 13/16 "	1 1/4"	8 1/16 "
7	13 3/4"	6 5/8"	1 7/16 "	8 1/16 "
8	15 9/16 "	6 7/16 "	1 9/16 "	8 1/16 "
9	17 3/8"	6 1/4"	1 13/16 "	8 1/16 "
10	19 3/16 "	6 1/16 "	1 15/16 "	8 1/16 "
11	21"	5 7/8"	2 3/16 "	8 1/16 "
12	22 13/16 "	5 11/16 "	2 5/16 "	8 1/16 "

SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.



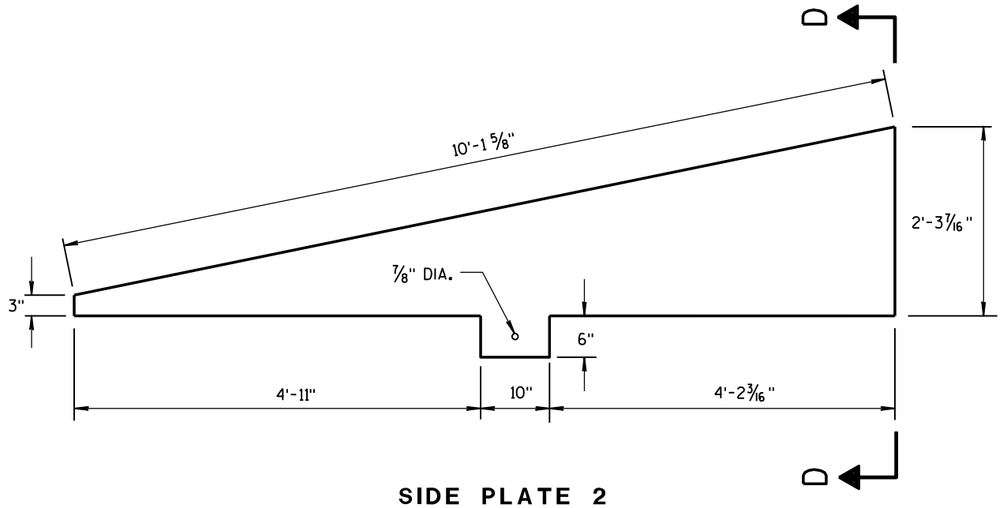
GUSSET LOCATION

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

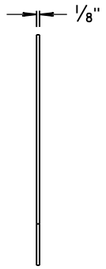
CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

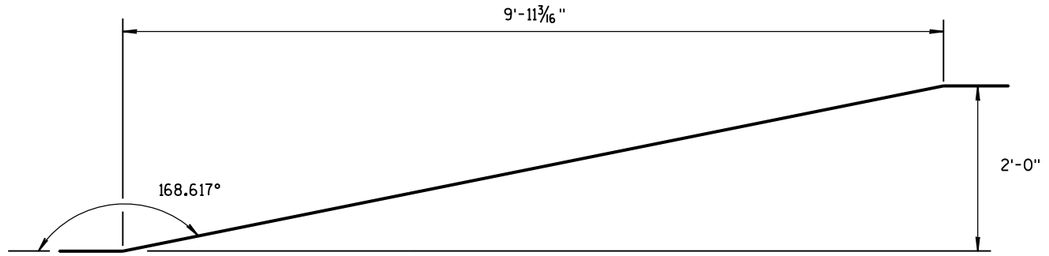
6
S.D.D. 14 B 7-15h



SIDE PLATE 2

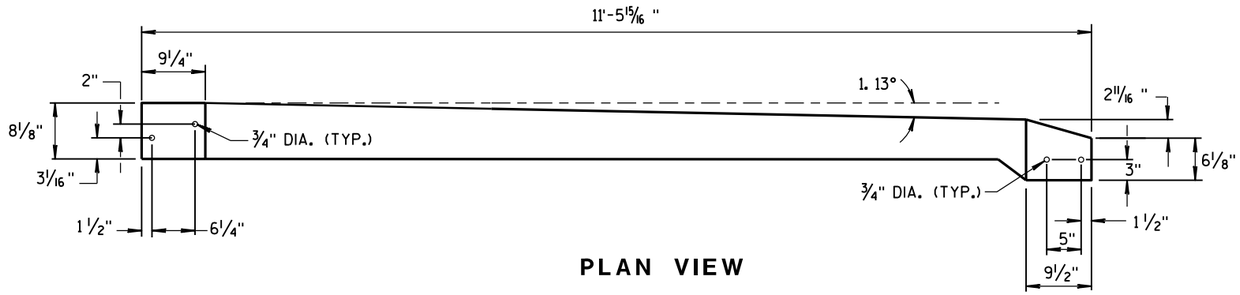


END VIEW



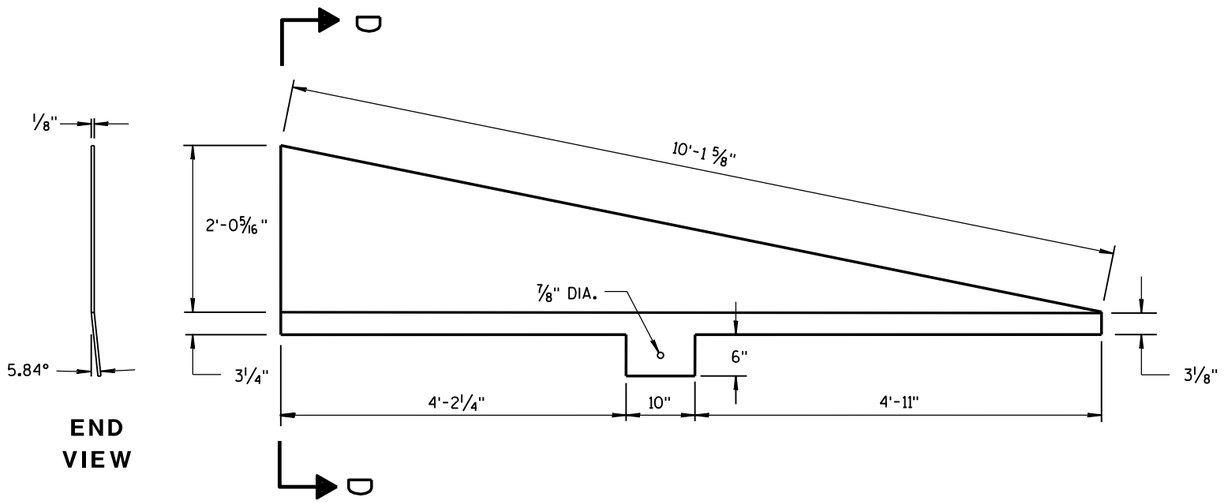
SIDE VIEW

TOP PLATE



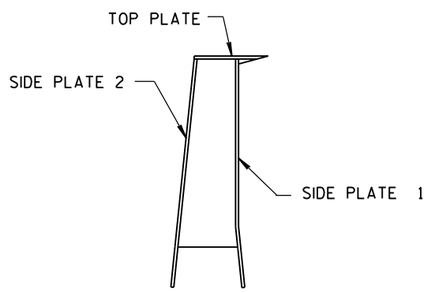
PLAN VIEW

TOP PLATE



END VIEW

SIDE PLATE 1



SECTION D-D

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

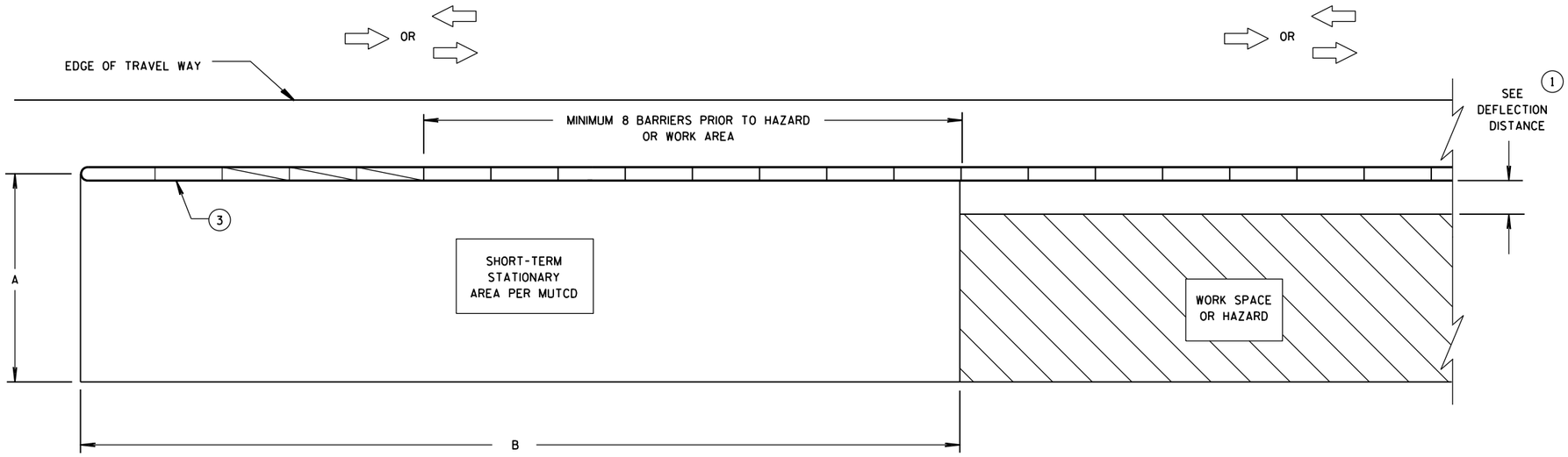
APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 14 B 7-15i

6

S.D.D. 14 B 7-15i



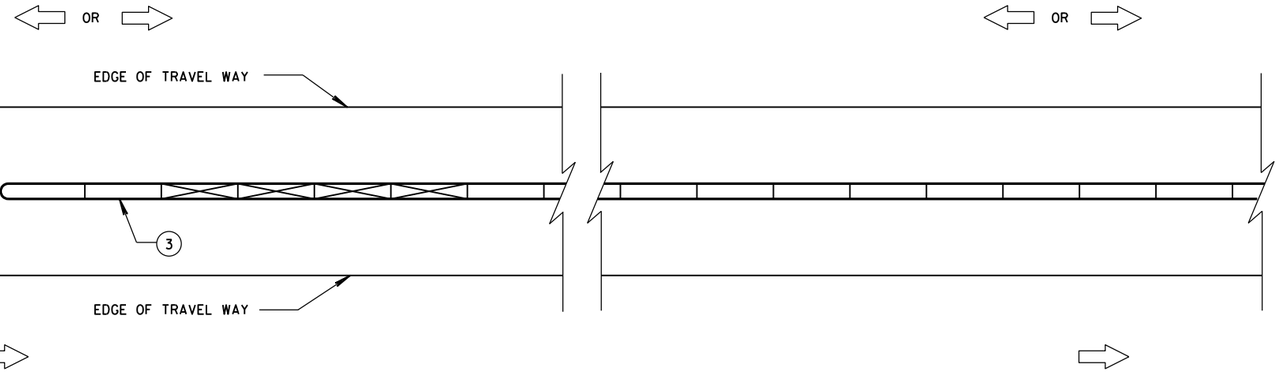
CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER

DIMENSION A TABLE (2)

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEWAY/EXPRESSWAY	ALL	15	20
NON-FREEWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1,500	ALL	8	10

DIMENSION B TABLE (2)

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

LEGEND

- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

GENERAL NOTES

SEE STANDARD DETAIL DRAWING 14B7 FOR MORE INFORMATION.

DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS, CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.

TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

(1) FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 14B7.

(2) VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.

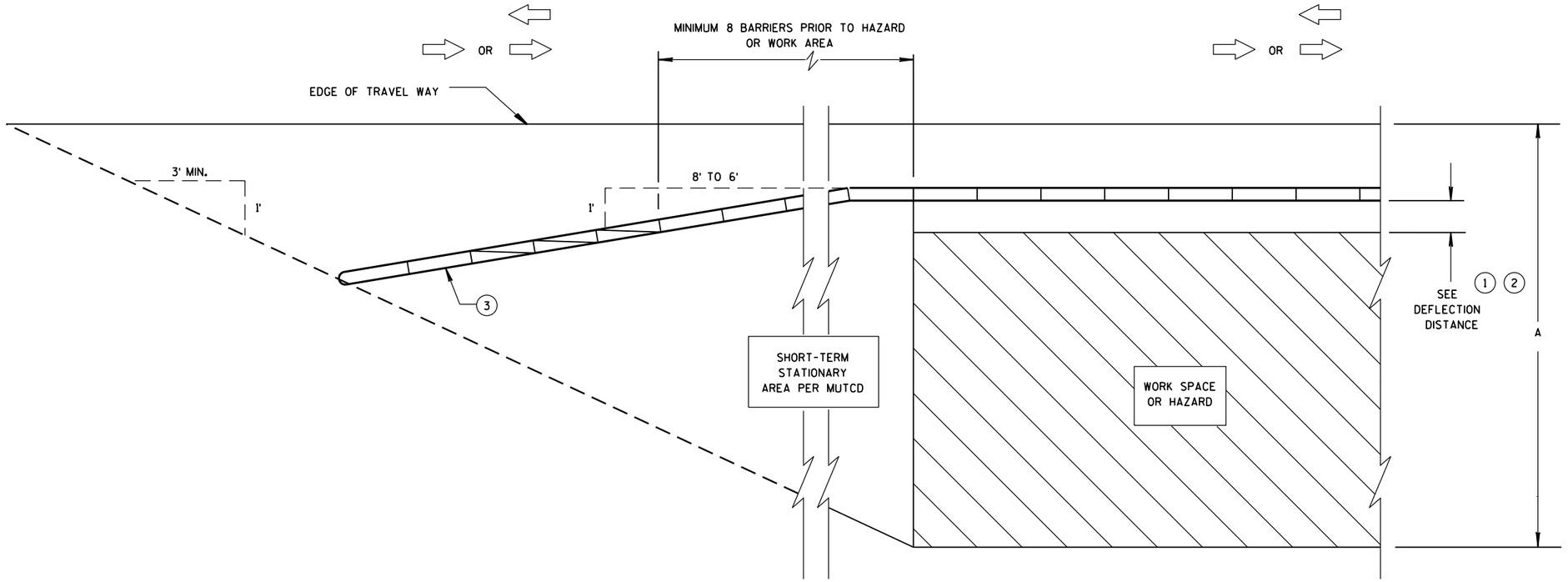
(3) ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

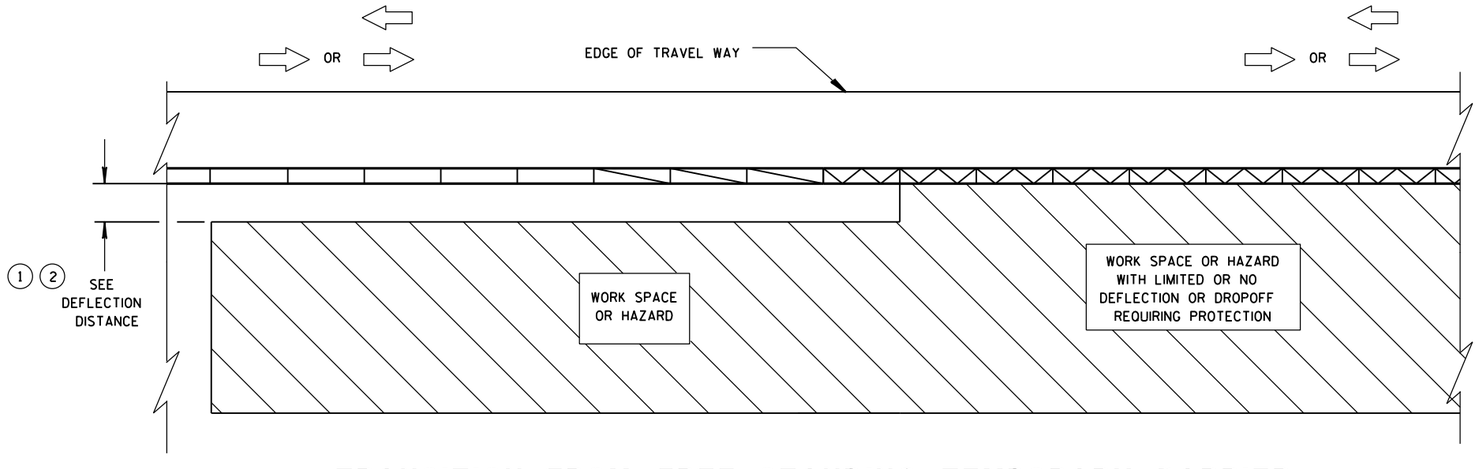
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2a



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION



TRANSITION FROM FREE STANDING TEMPORARY BARRIER TO ANCHORED BARRIER

LEGEND

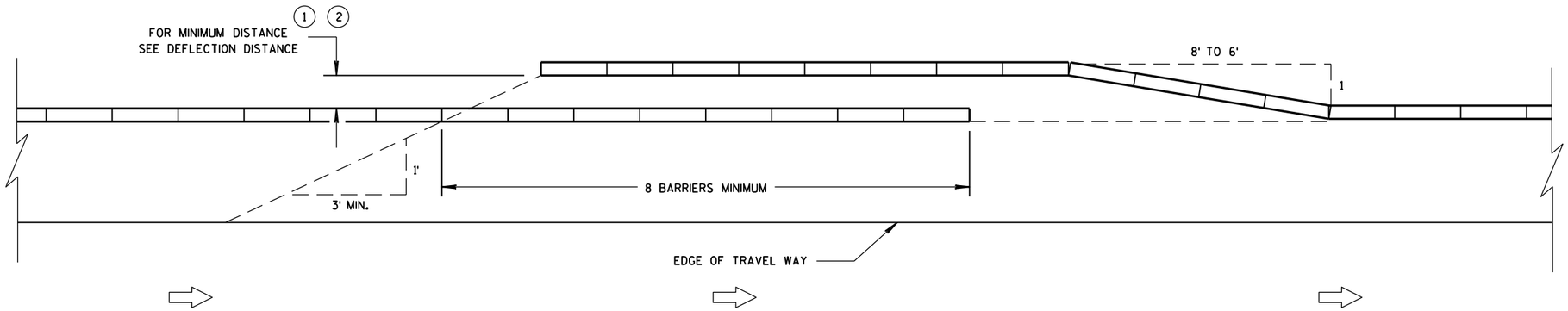
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

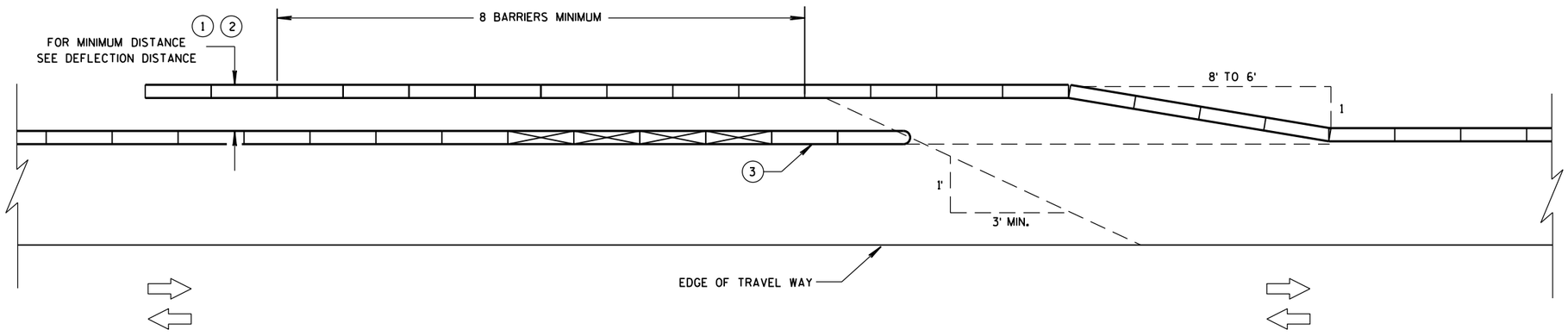
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

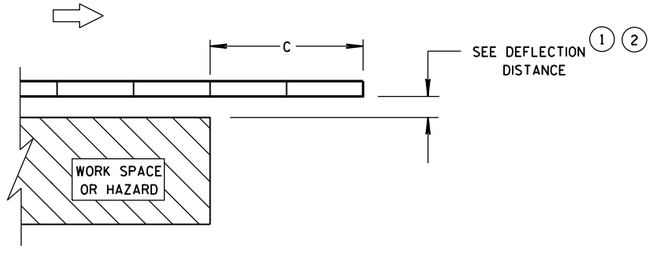
S.D.D. 14 B 8-2b



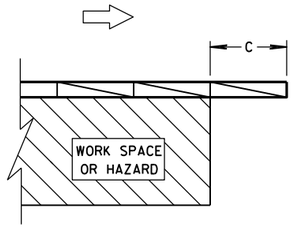
TEMPORARY BARRIER OVERLAP - ONE-WAY TRAFFIC



TEMPORARY BARRIER OVERLAP - TWO-WAY TRAFFIC



ENDING TEMPORARY BARRIER DOWNSTREAM - UNANCHORED



ENDING TEMPORARY BARRIER DOWNSTREAM - ANCHORED

LEGEND

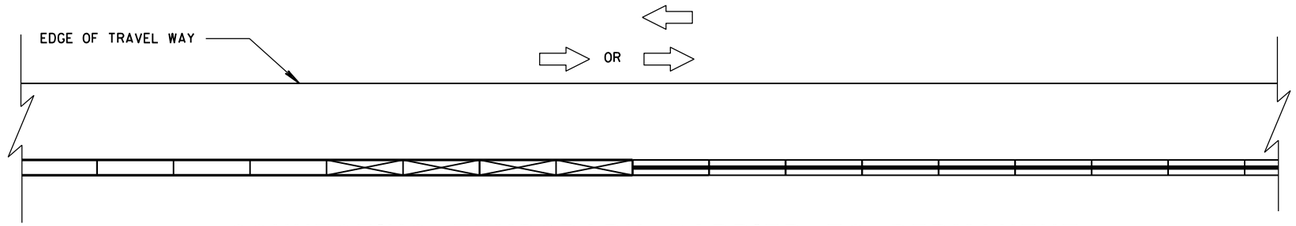
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

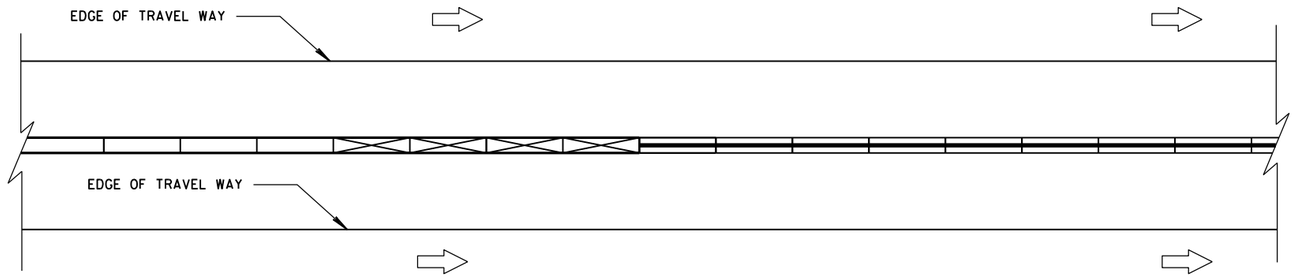
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 14 B 8-2c



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON ONE SIDE



CONNECTING TEMPORARY BARRIER TO PERMANENT
CONCRETE BARRIER-TRAFFIC ON BOTH SIDES

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR
SAND BARREL ARRAY

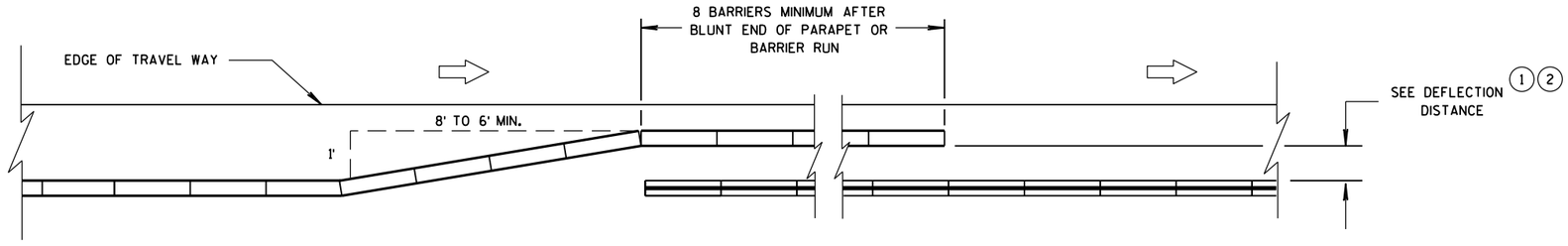
SEE FREE STANDING TRANSITION
TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION
TO TIED-DOWN SYSTEM DETAILS

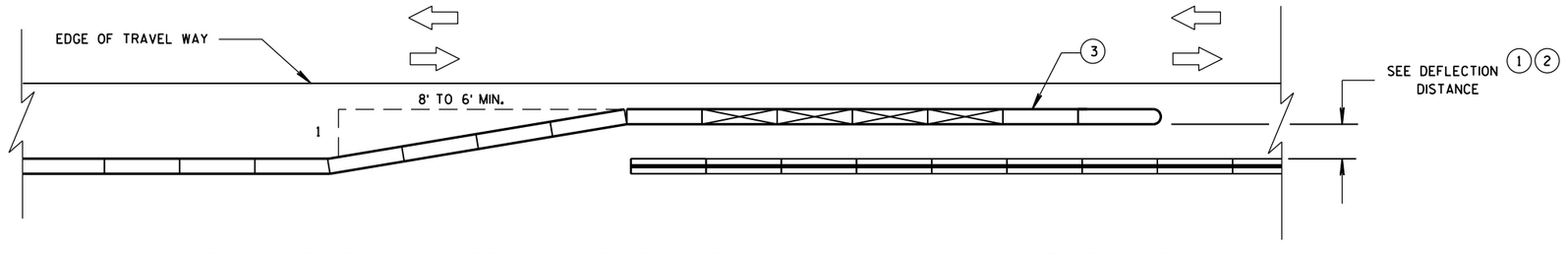
3 PINS PLACED ON
TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER
OR CONCRETE PARAPET

FREE STANDING TEMPORARY
BARRIER



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
ONE WAY TRAFFIC



OVERLAPPING TEMPORARY BARRIER AND PERMANENT BARRIER -
TWO WAY TRAFFIC

CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 14 B 8-2d

LEGEND

DIRECTION OF TRAVEL

CRASH CUSHION OR SAND BARREL ARRAY

SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS

SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS

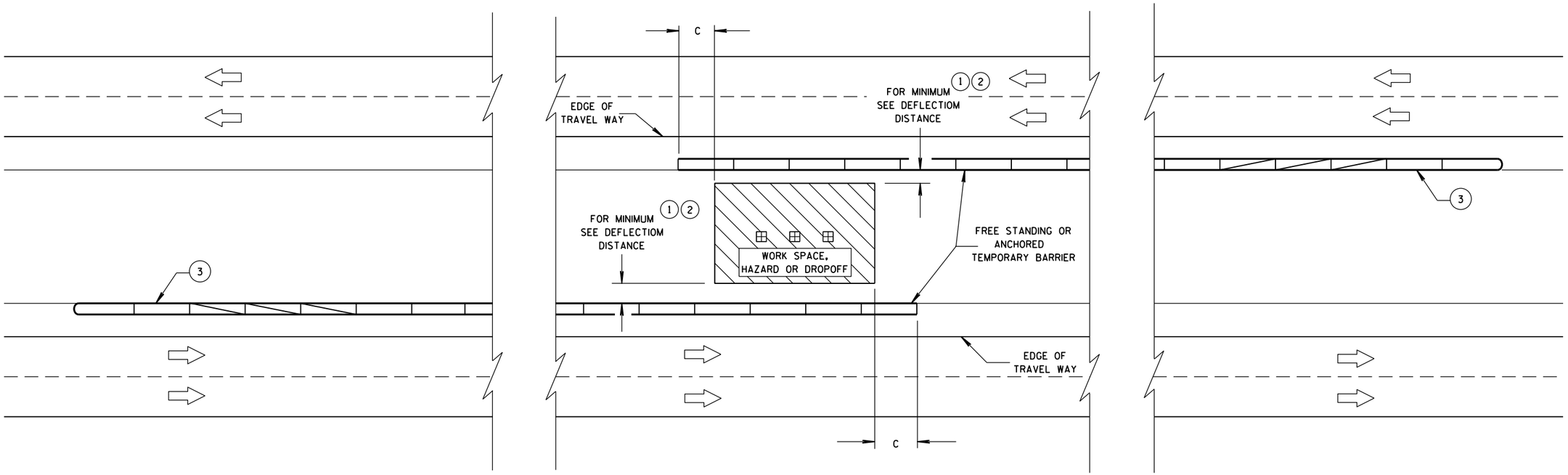
3 PINS PLACED ON TRAFFIC SIDE OF BARRIER

PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET

FREE STANDING TEMPORARY BARRIER

DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



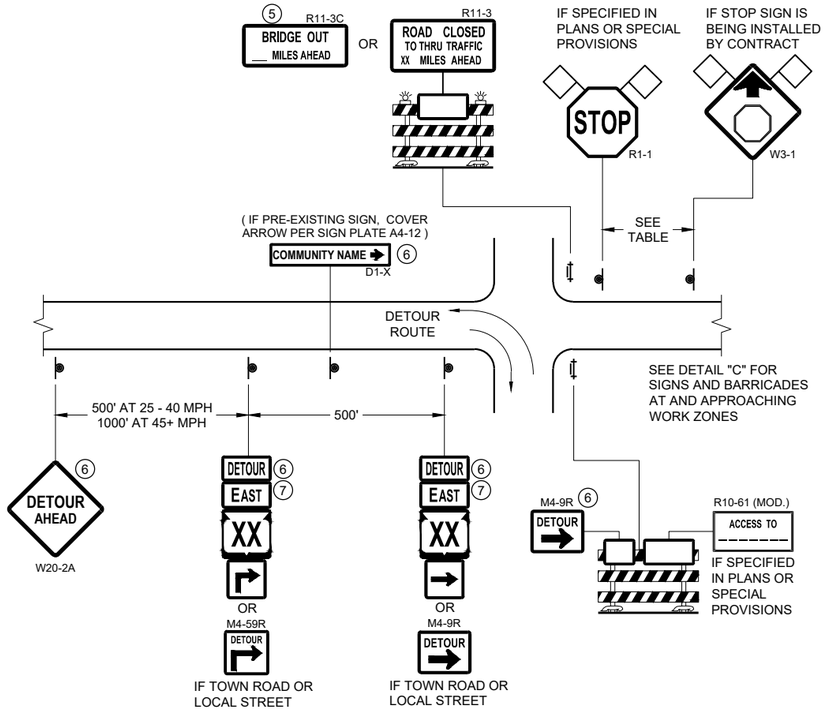
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINNER
FHWA

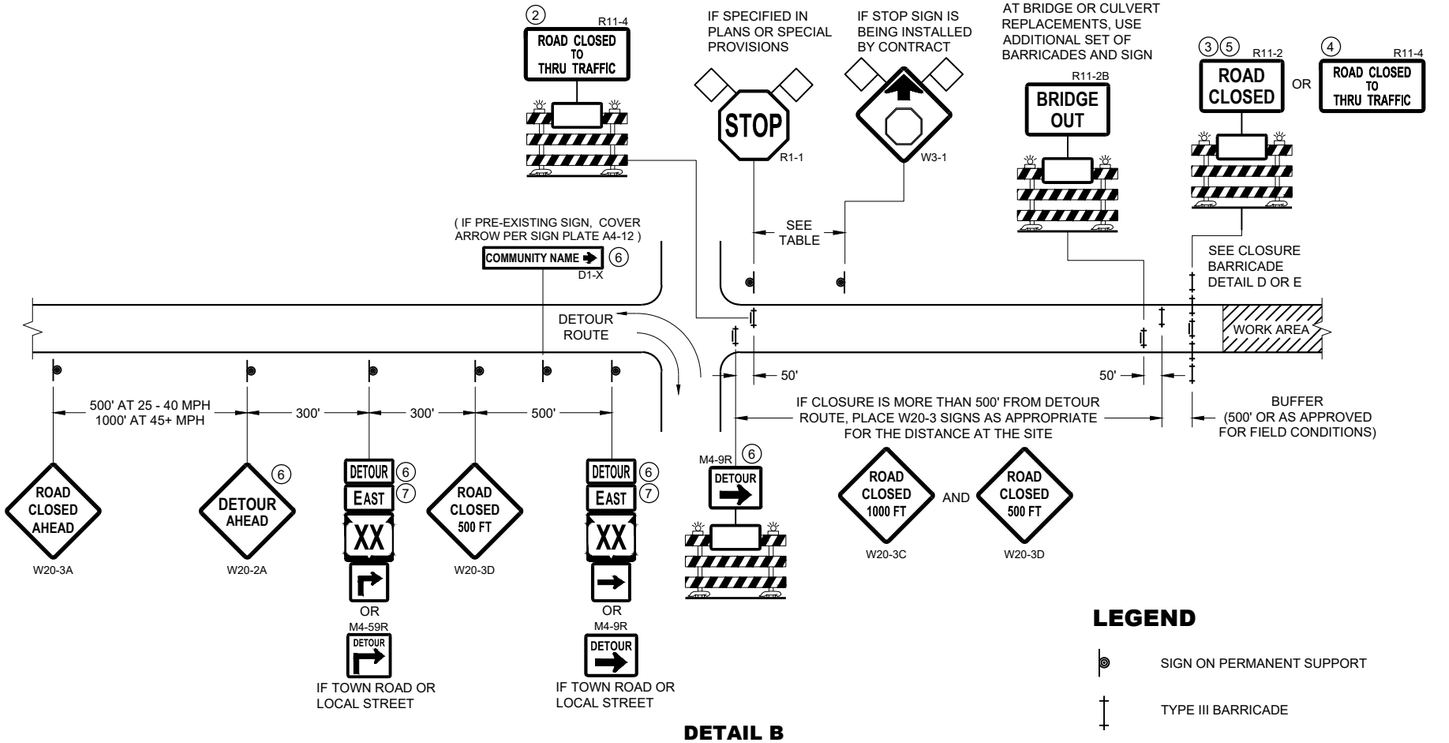
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S.D.D. 14 B 8-2e



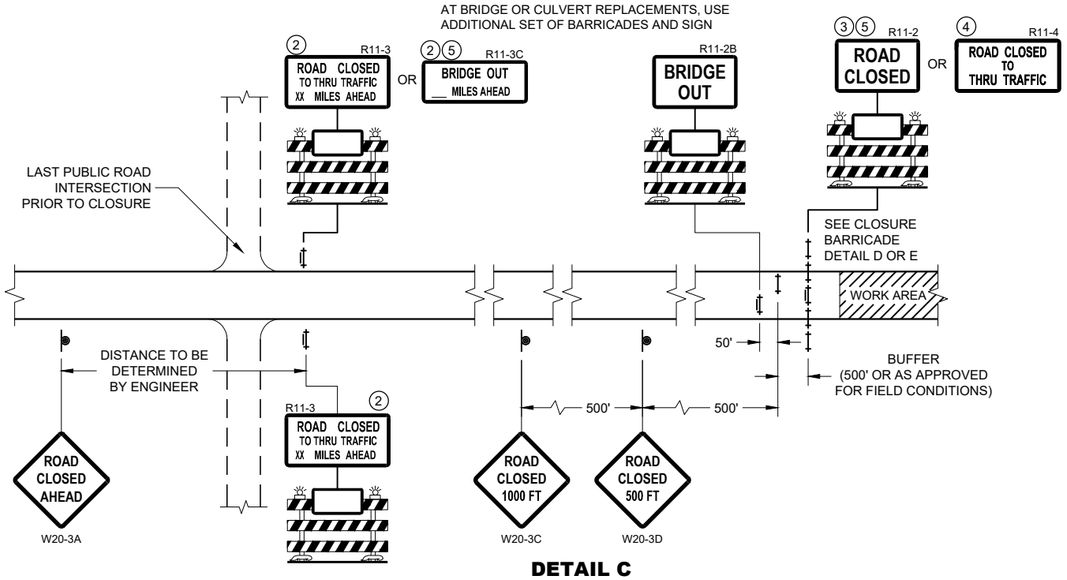
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

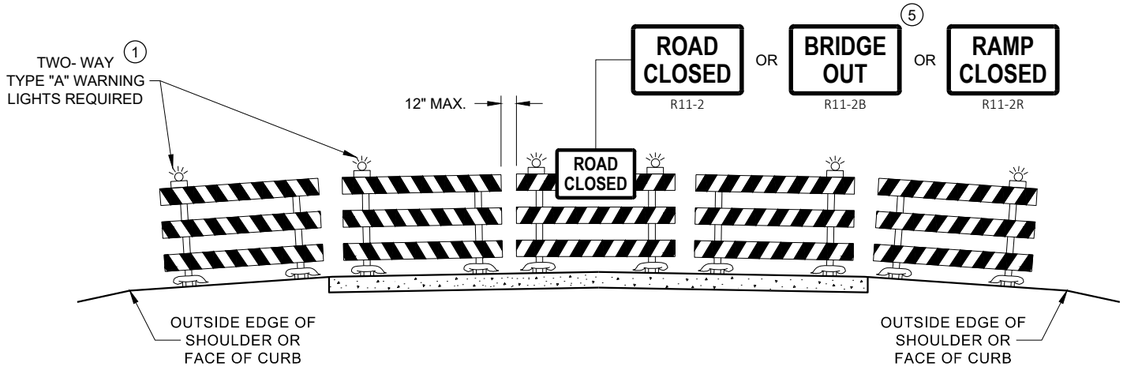
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

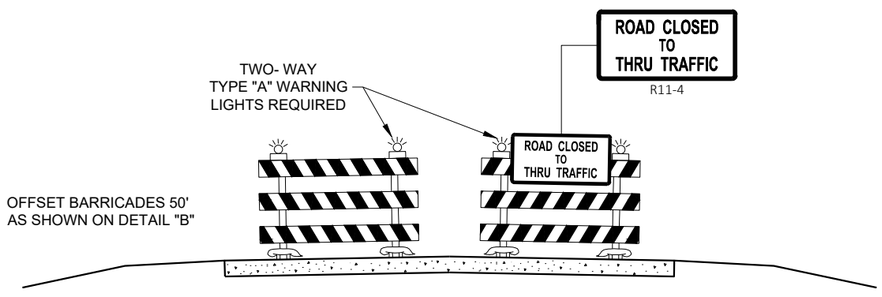
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SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- XX — M1 - 6
- COUNTY X — M1 - 5A
- M05 - 1
- M06 - 1
- M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR 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.

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

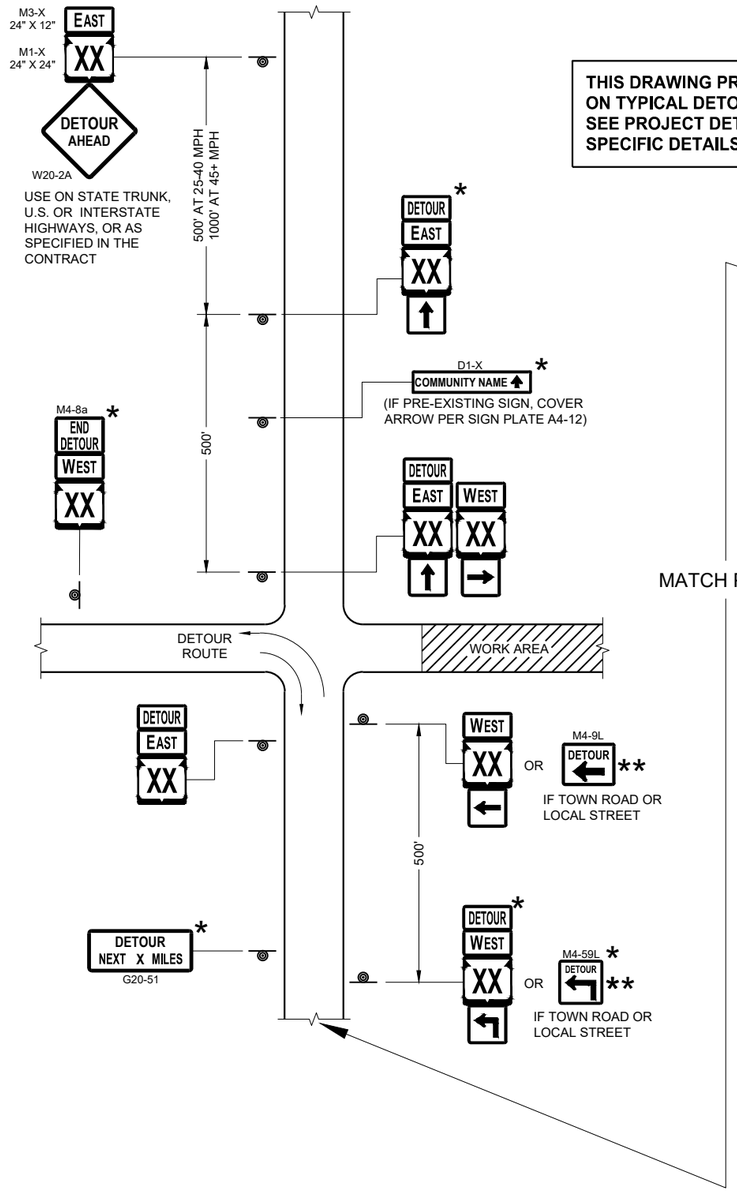
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

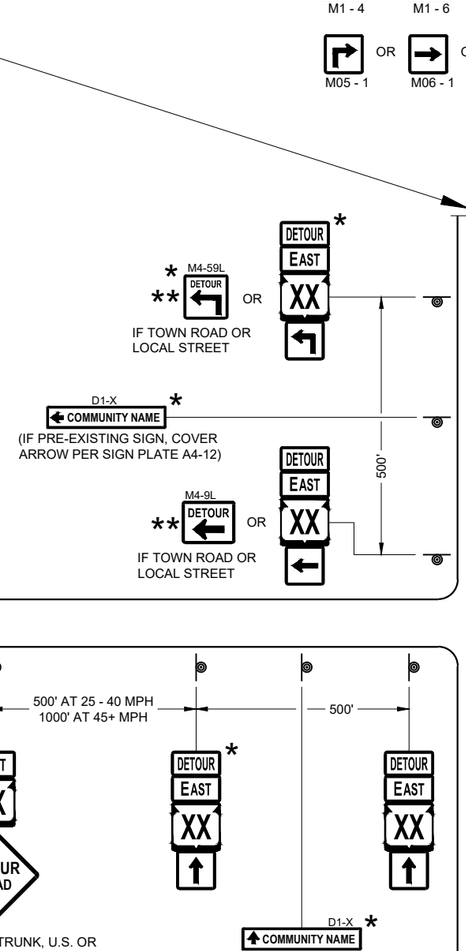
M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
M4-9 AND M4-59 SHALL BE 30" X 24"
M4-8a SHALL BE 24" X 18"
G20-51 SHALL BE 60" X 24"
W20-2A SHALL BE 48" X 48"
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

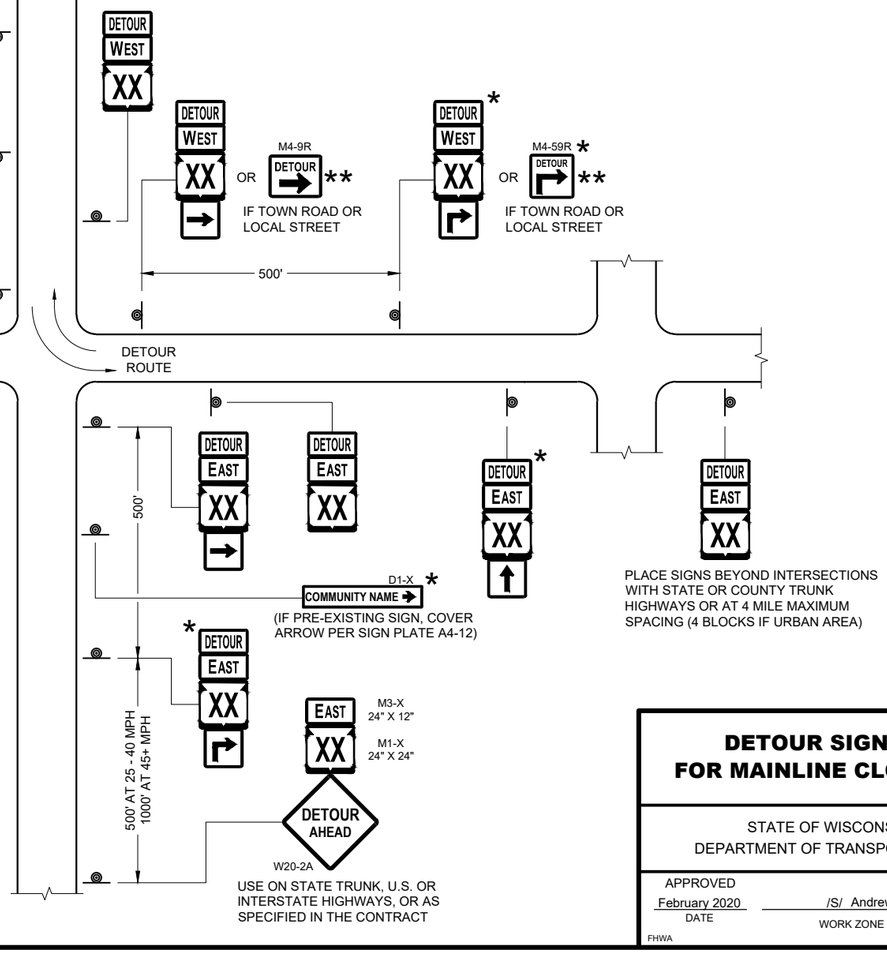
* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



MATCH POINT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

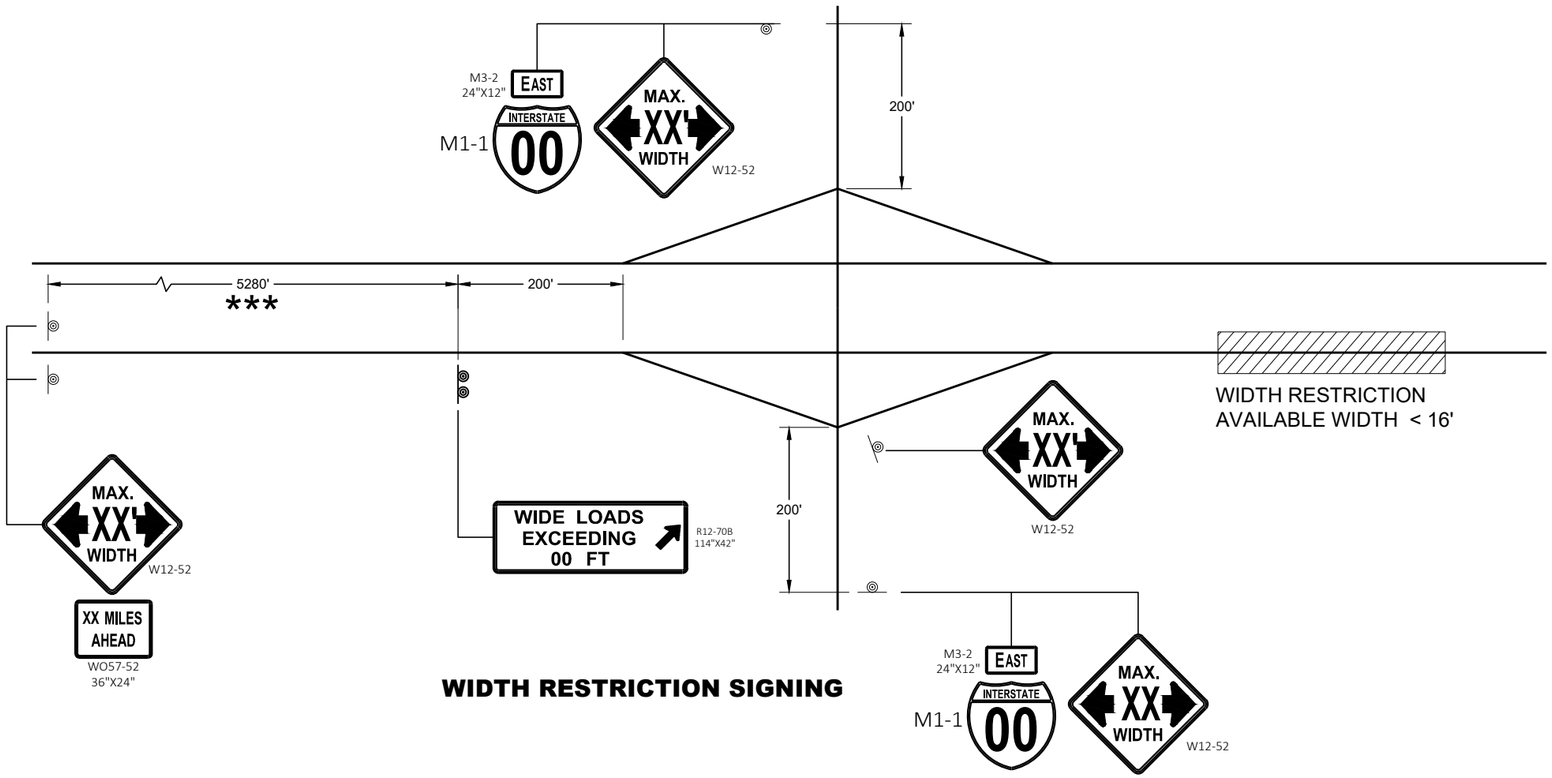
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 08c

6



WIDTH RESTRICTION SIGNING

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.

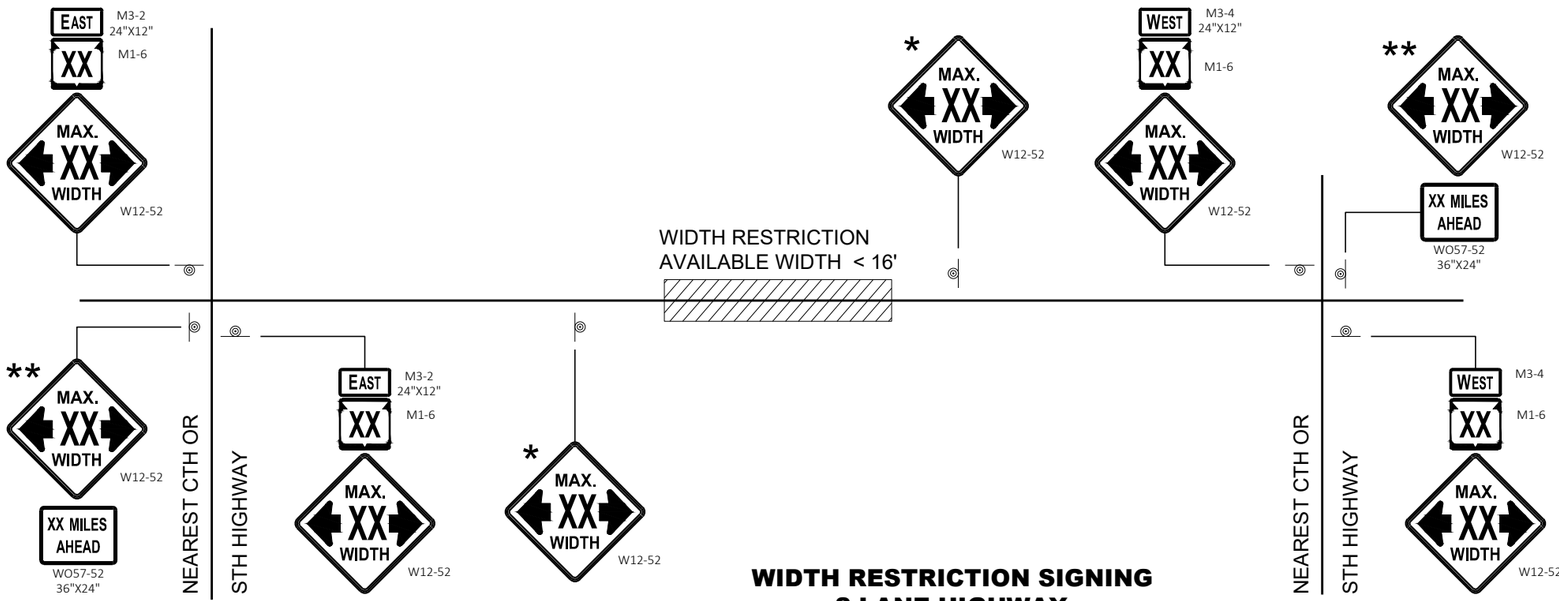
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

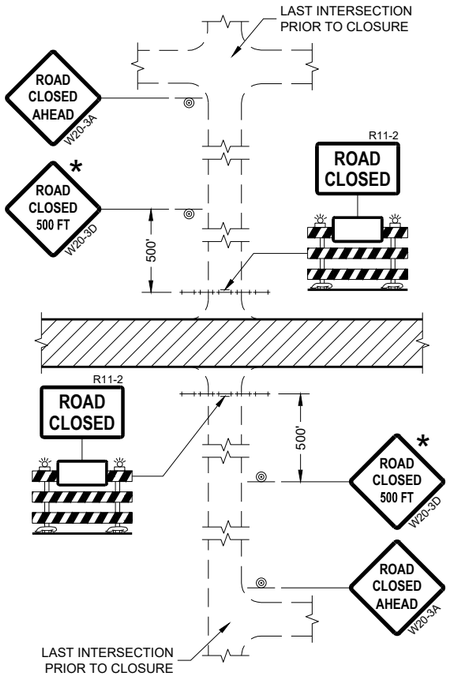
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

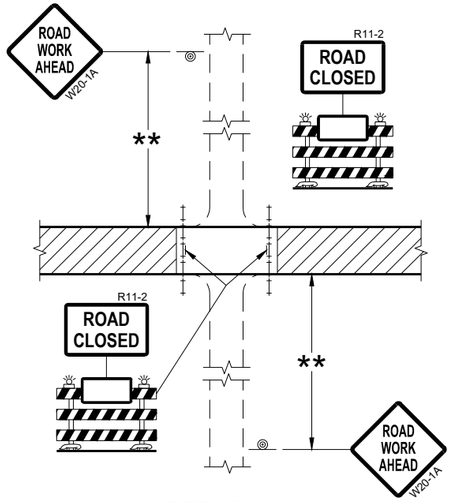
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SDD 15C02 - 08f



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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.

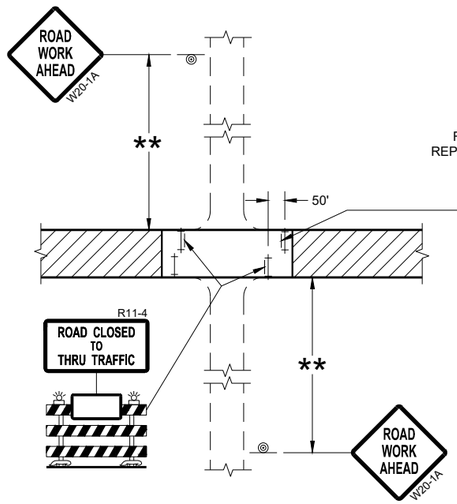
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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.

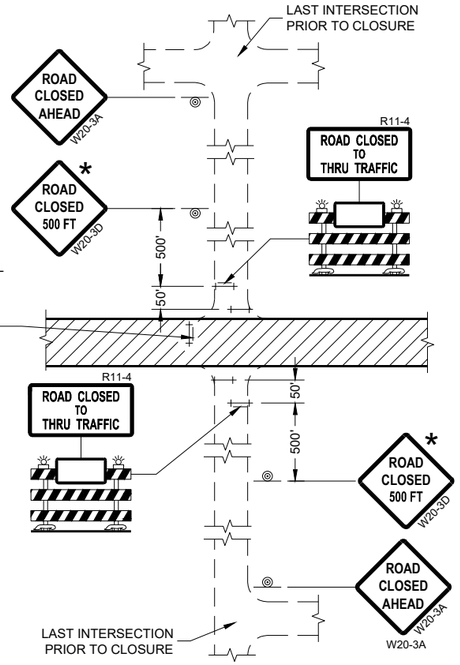
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* 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.



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



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

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

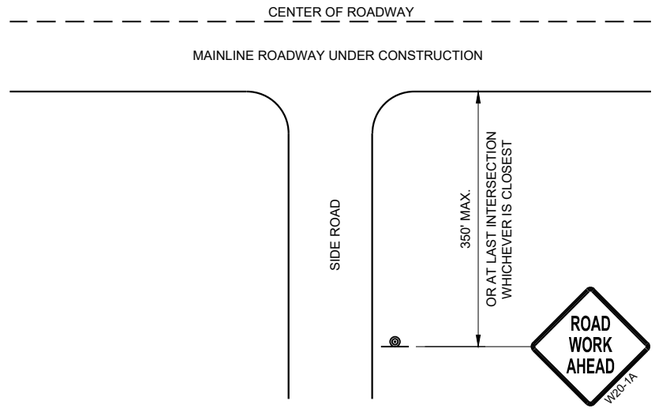
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



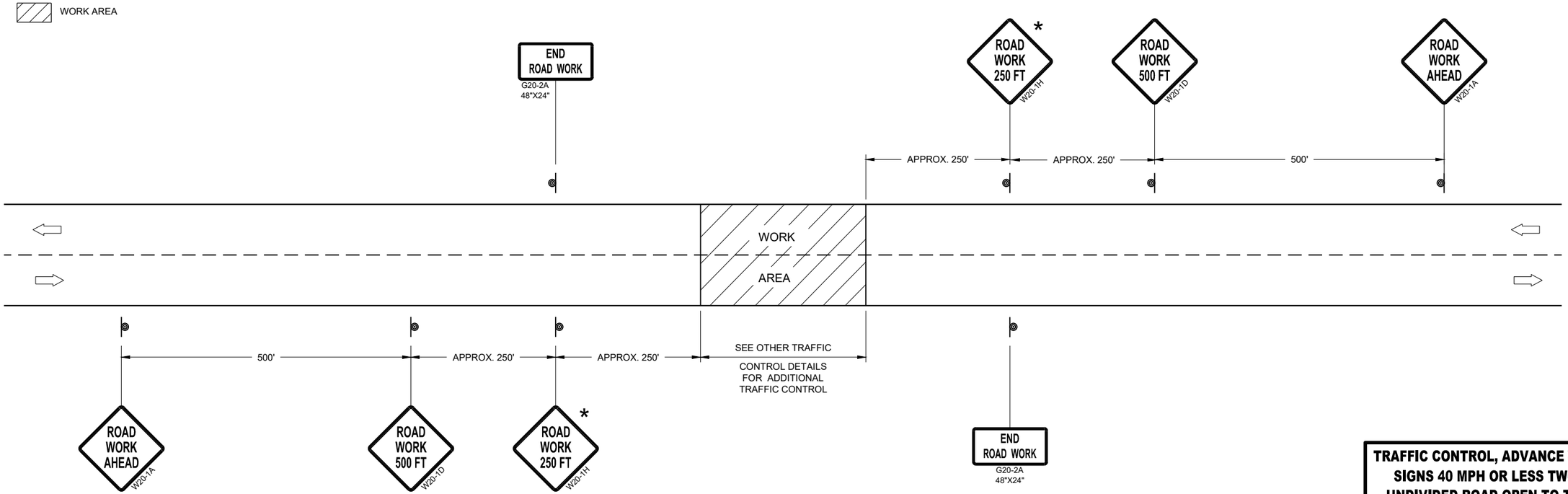
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

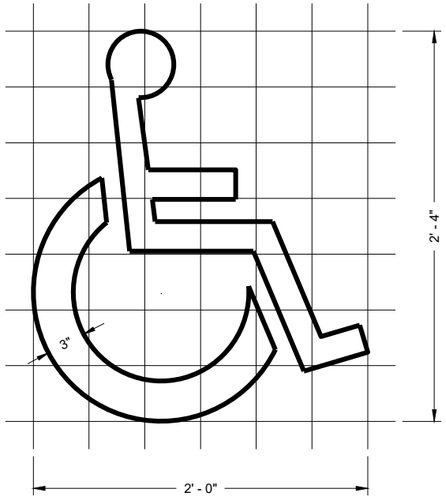
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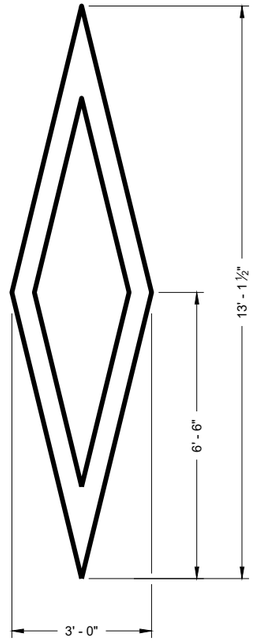
SDD 15C05 - 05

GENERAL NOTES

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



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

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SDD 15C07 - 15a

SDD 15C07 - 15a

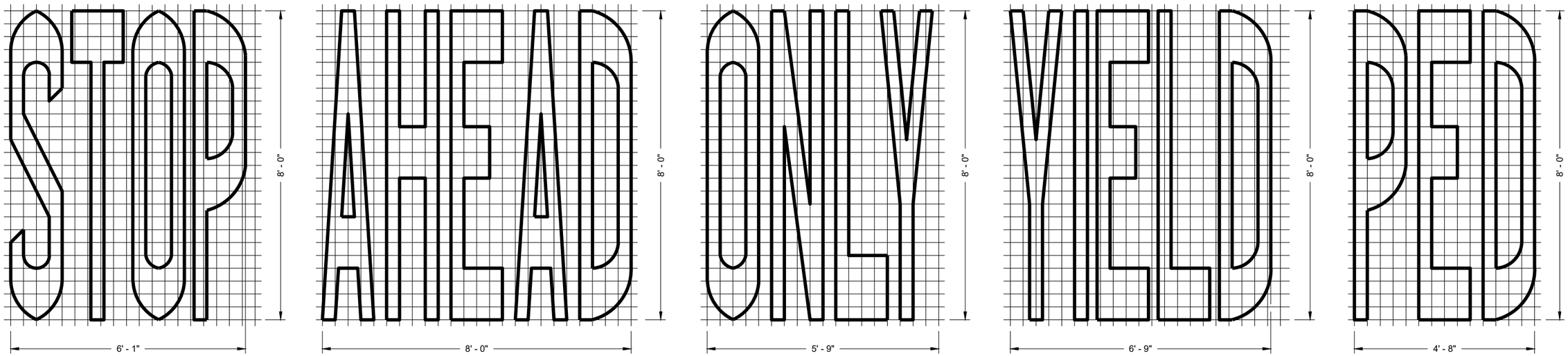
PAVEMENT MARKING SYMBOLS

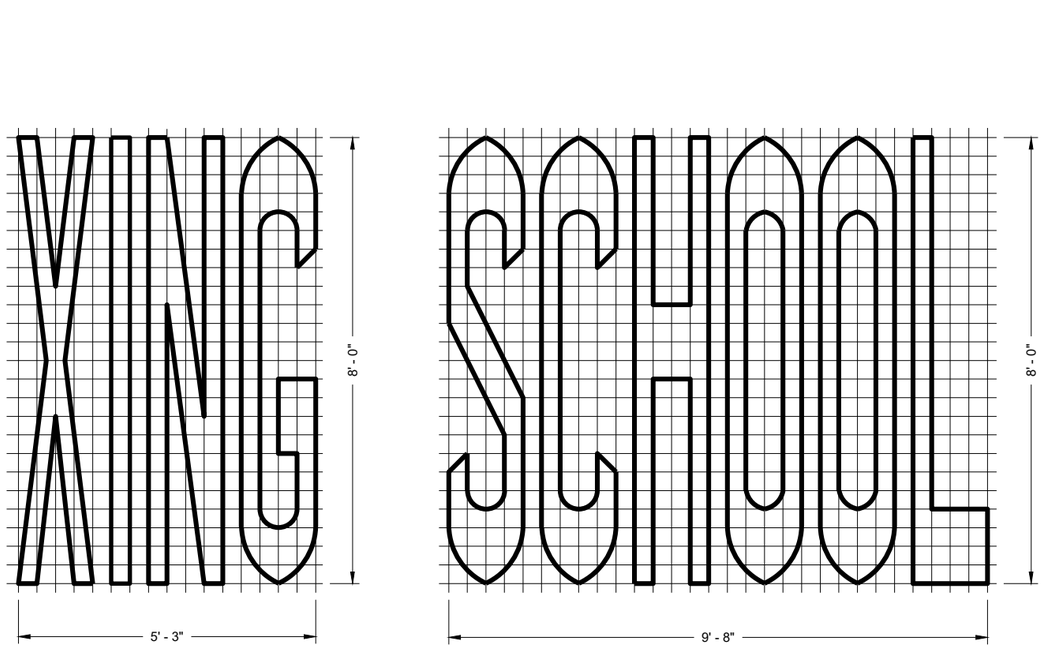
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

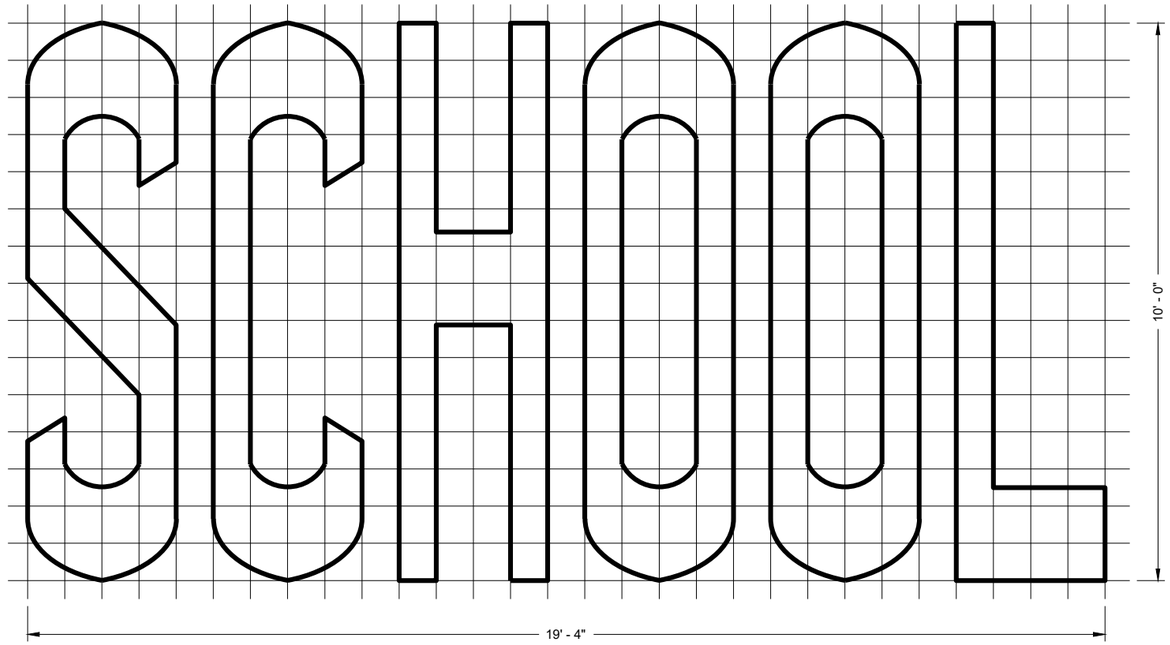
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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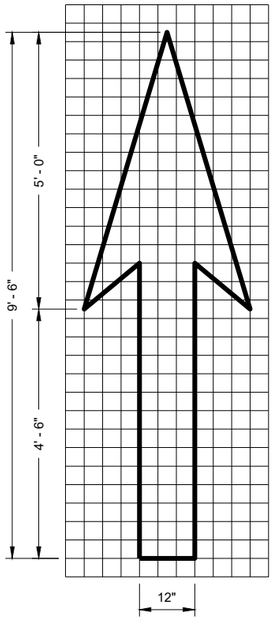
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SDD 15C07 - 15b

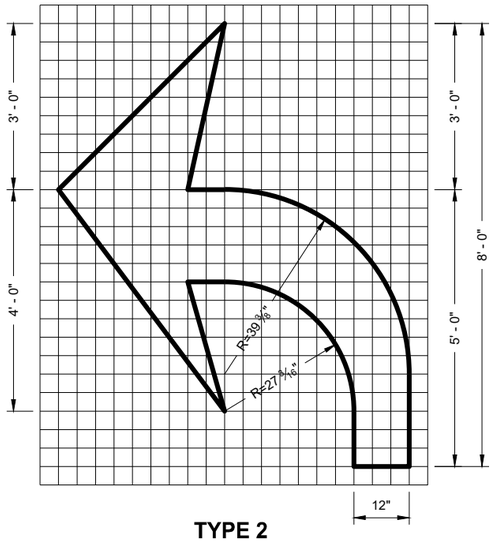
SDD 15C07 - 15b

GENERAL NOTES

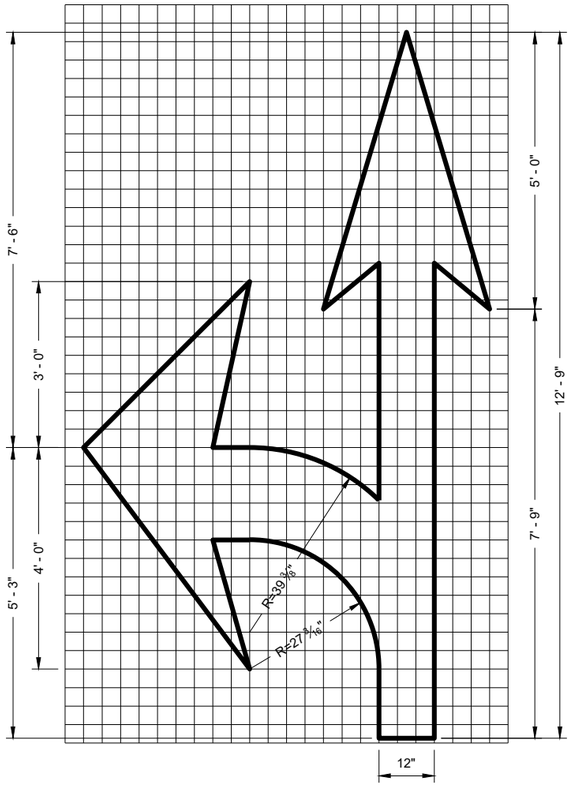
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



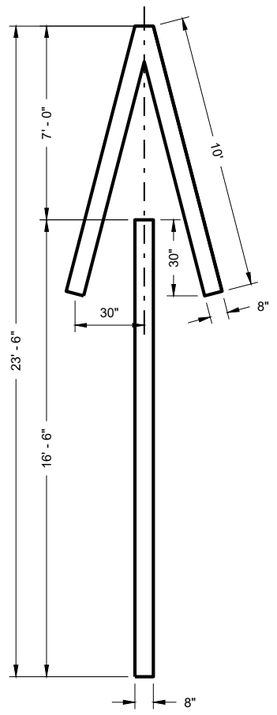
TYPE 1



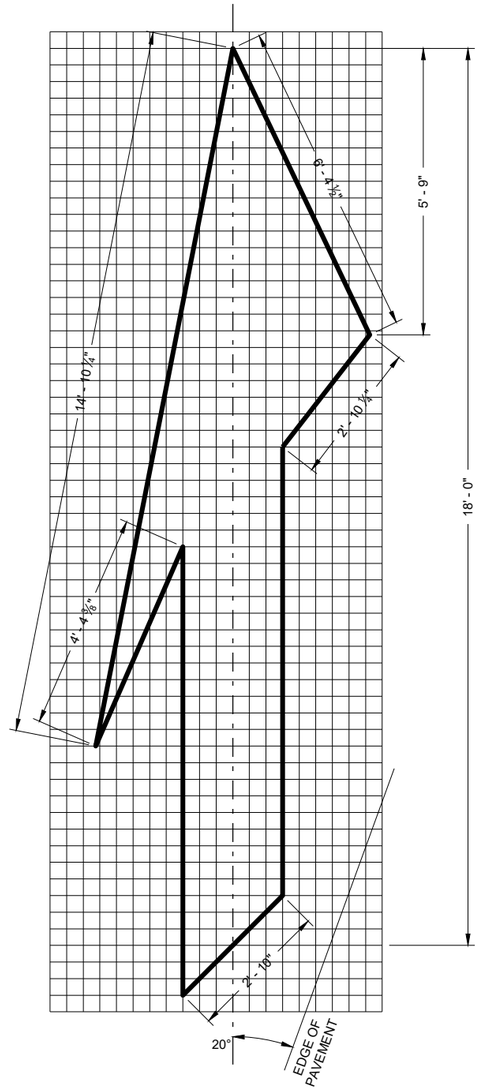
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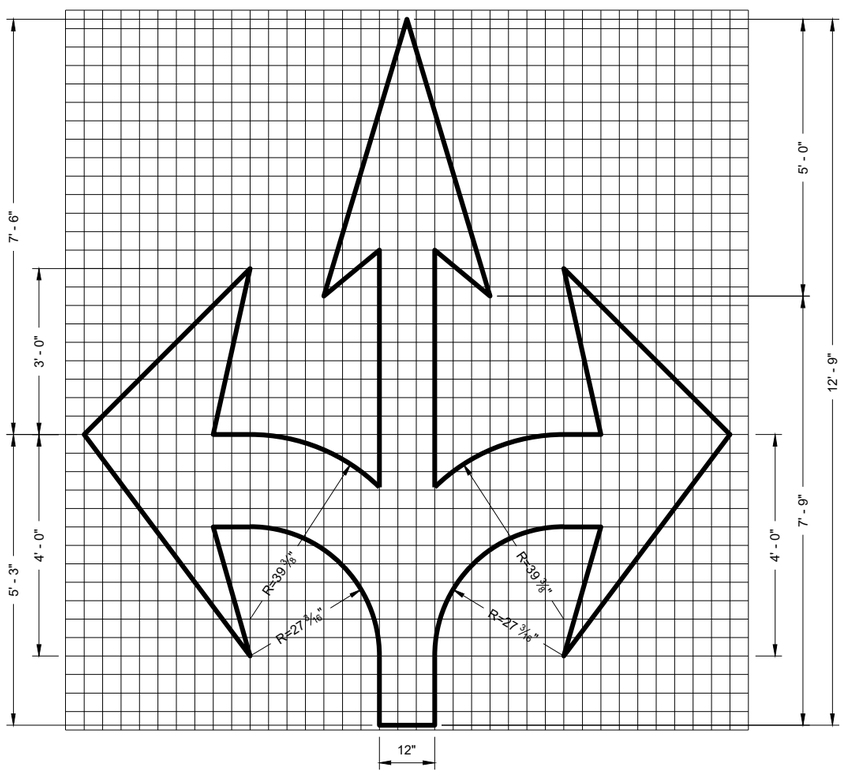
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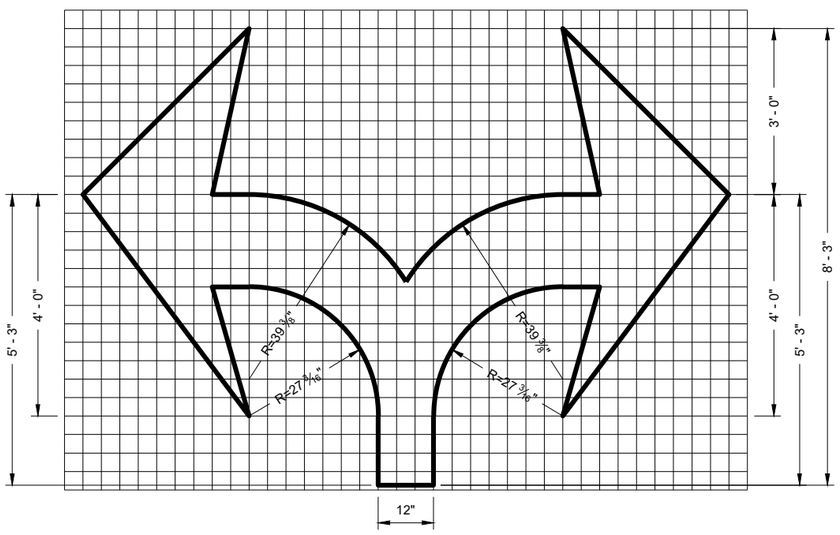
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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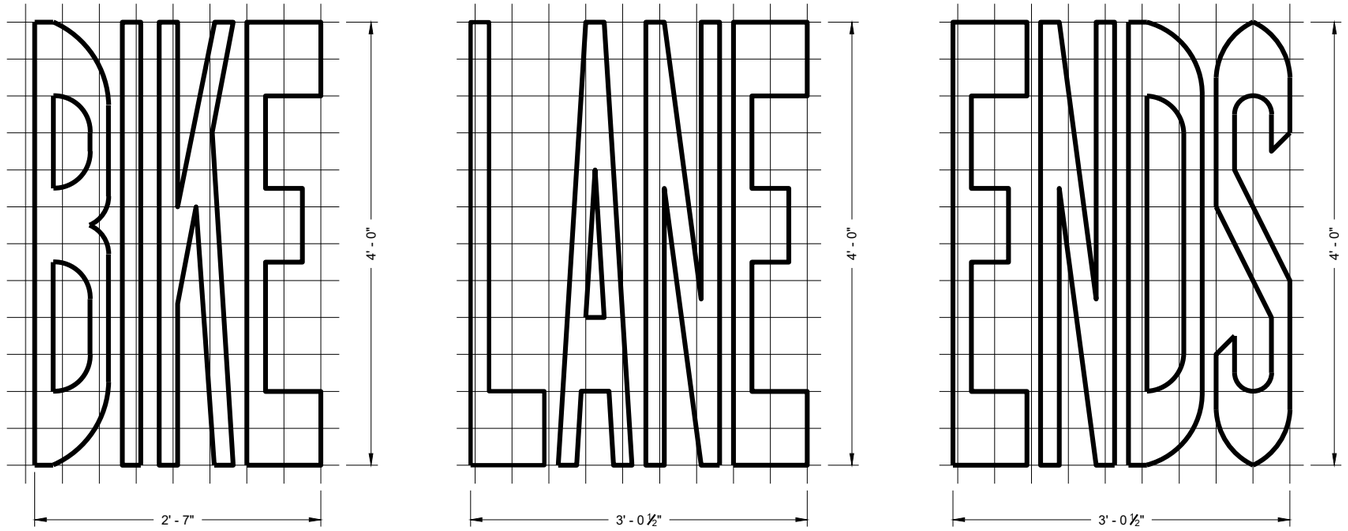
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SDD 15C07 - 15c

6

SDD 15C07 - 15c

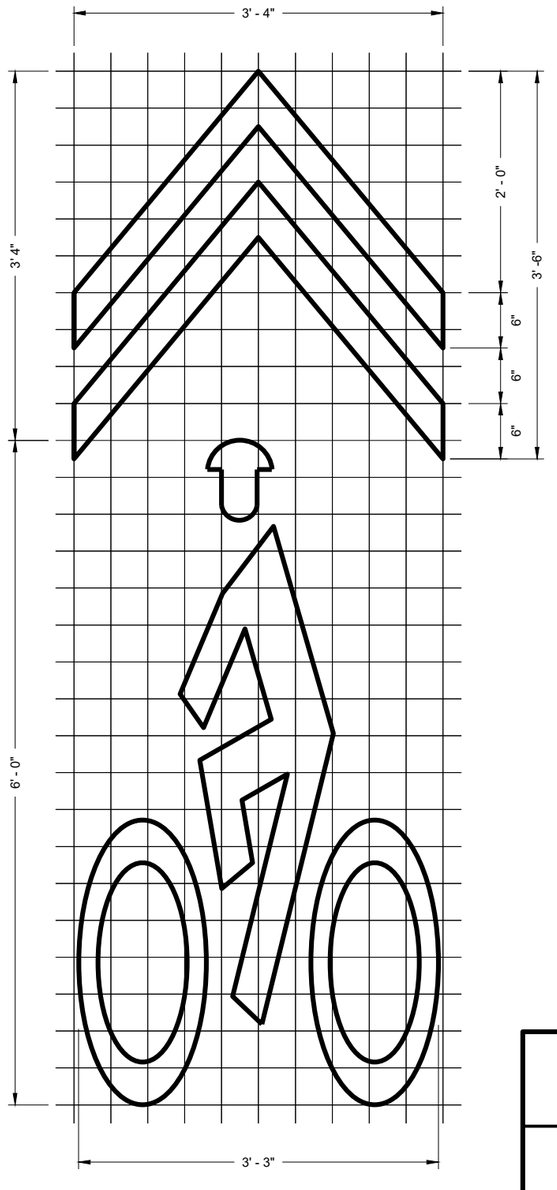
SDD 15C7-e Pavement Marking For Bike Lanes

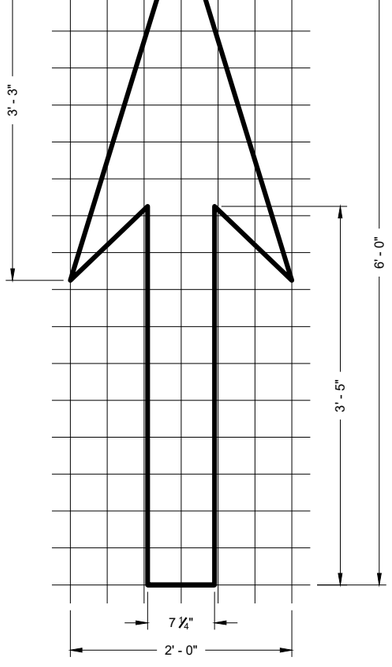


BIKE LANE WORDS

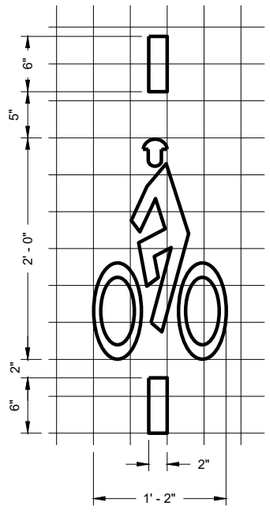
GENERAL NOTES

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

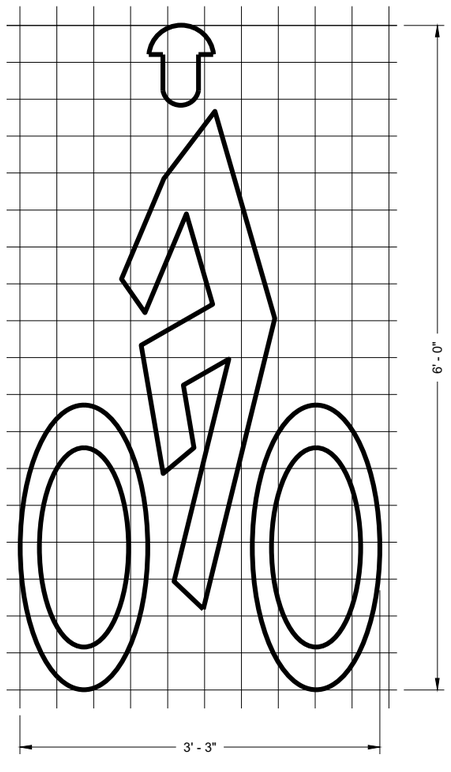




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

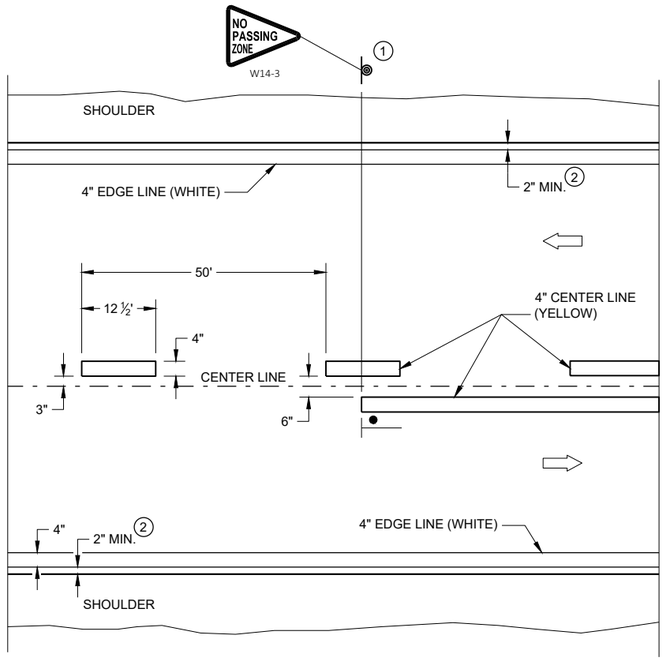
APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

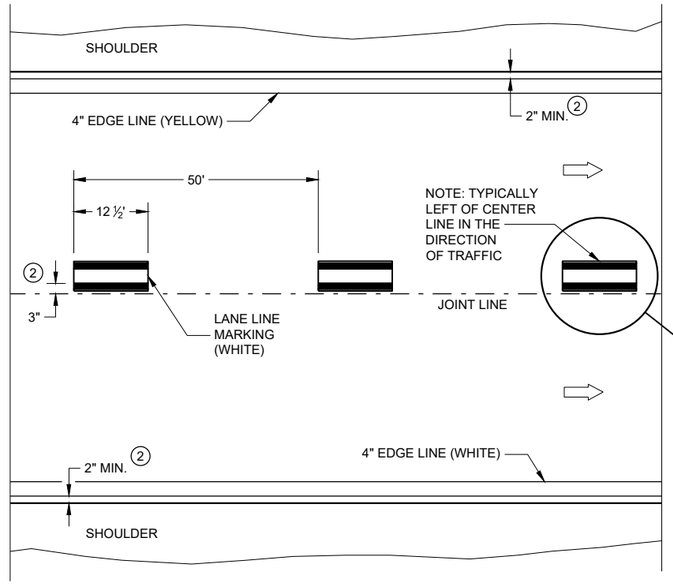
FHWA

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SDD 15C07 - 15e

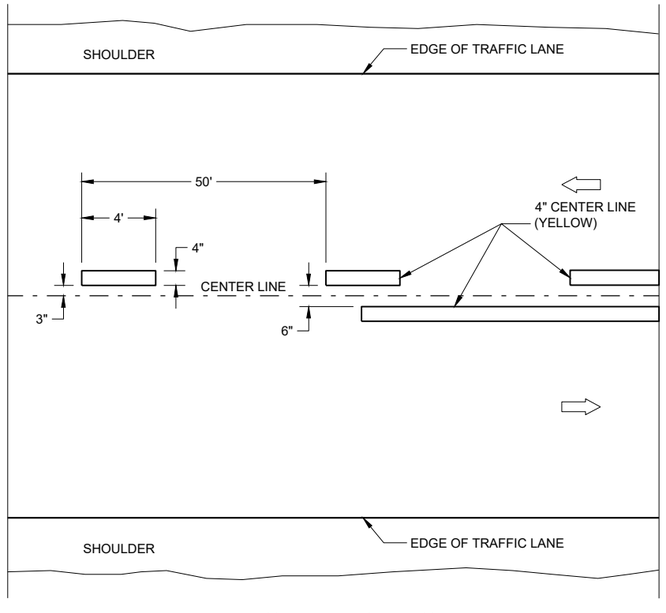


TWO WAY TRAFFIC

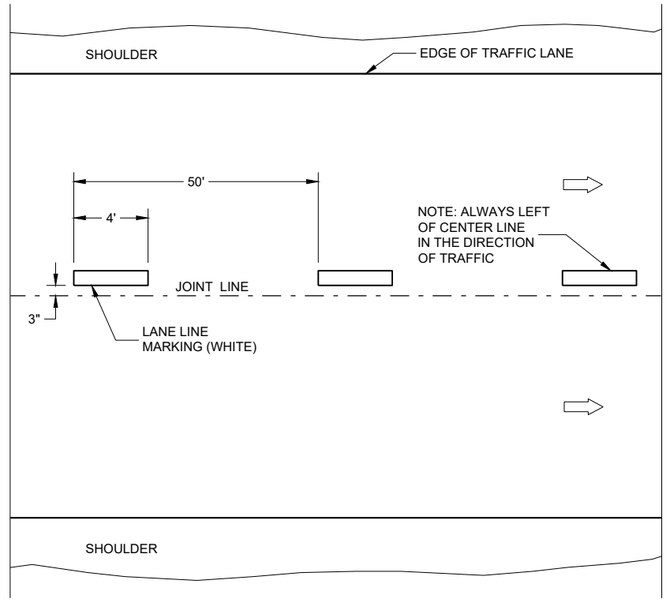


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

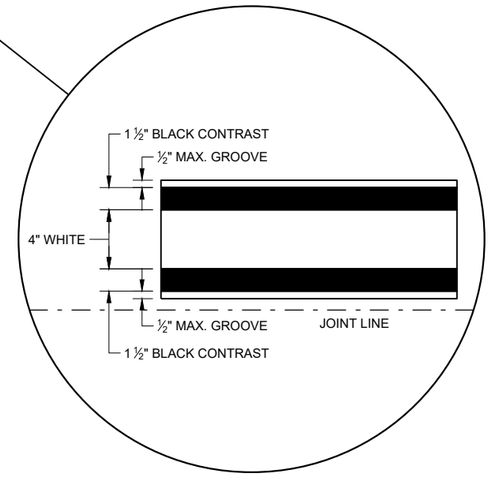
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Matthew Rauch — STATEWIDE SIGNING AND M ENGINEER

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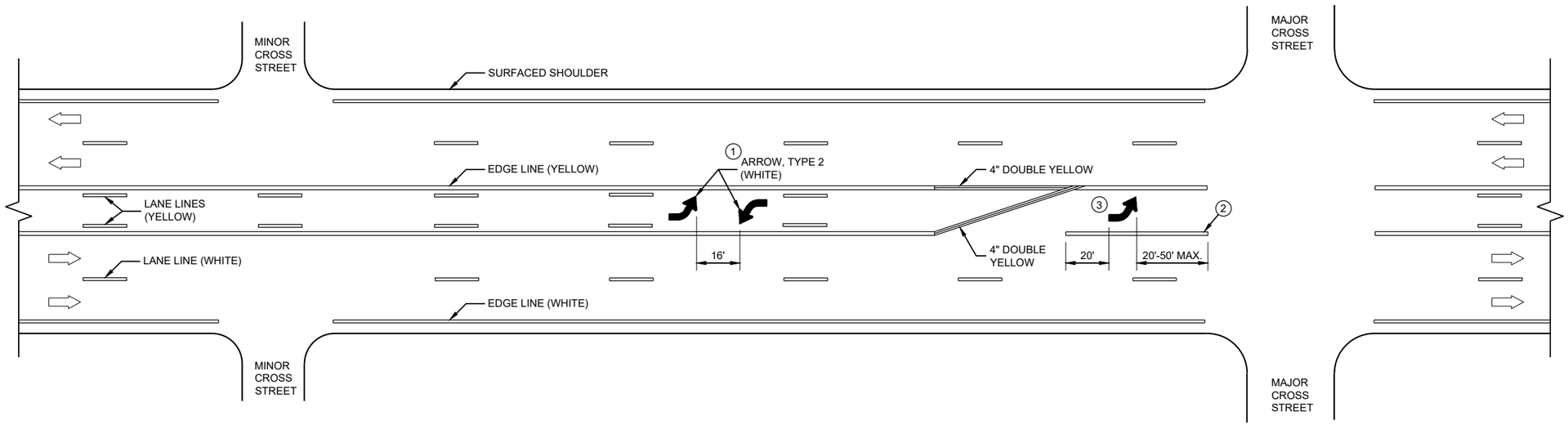
SDD 15C08 - 20a

6

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

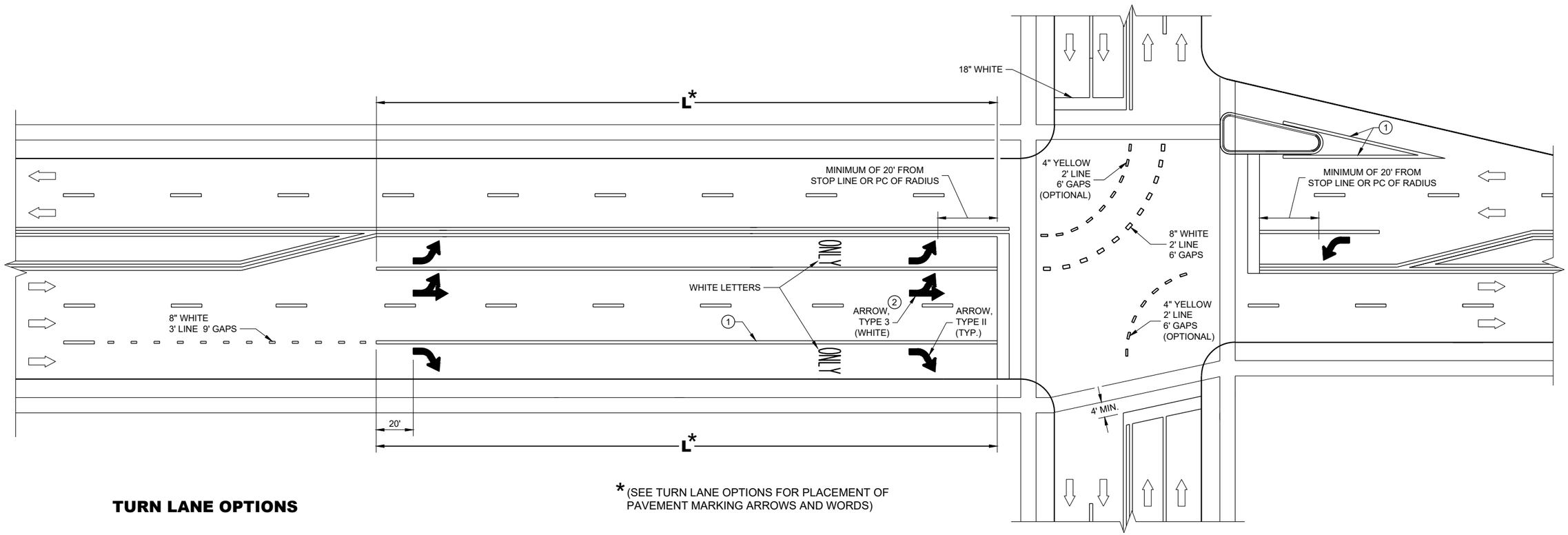
SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

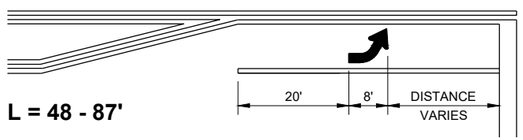
SDD 15C08 - 20b



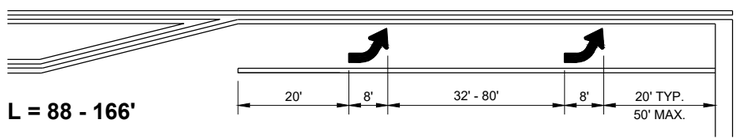
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

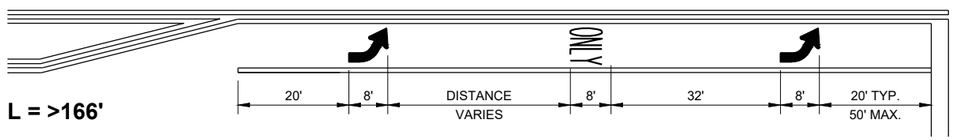
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

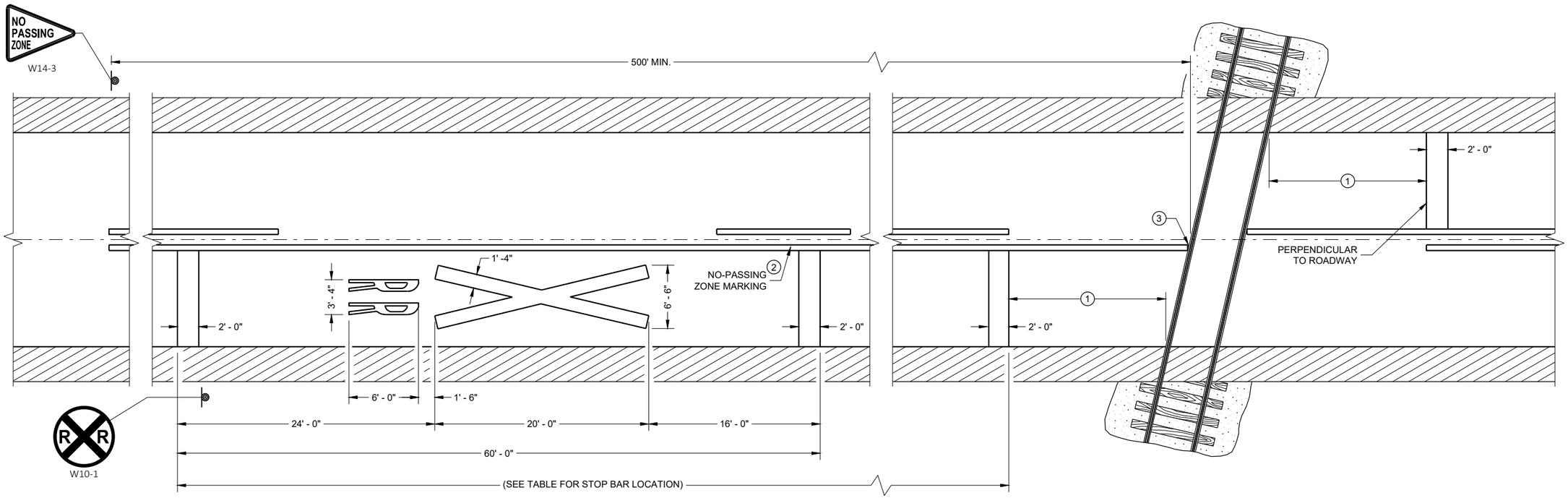
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

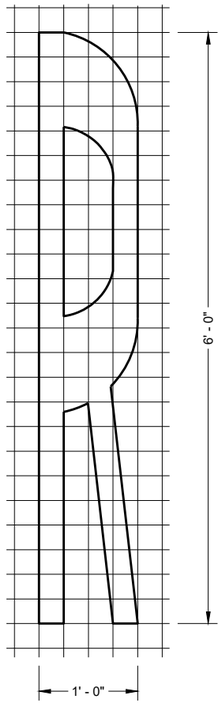
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



PAVEMENT MARKING



LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNAL , GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

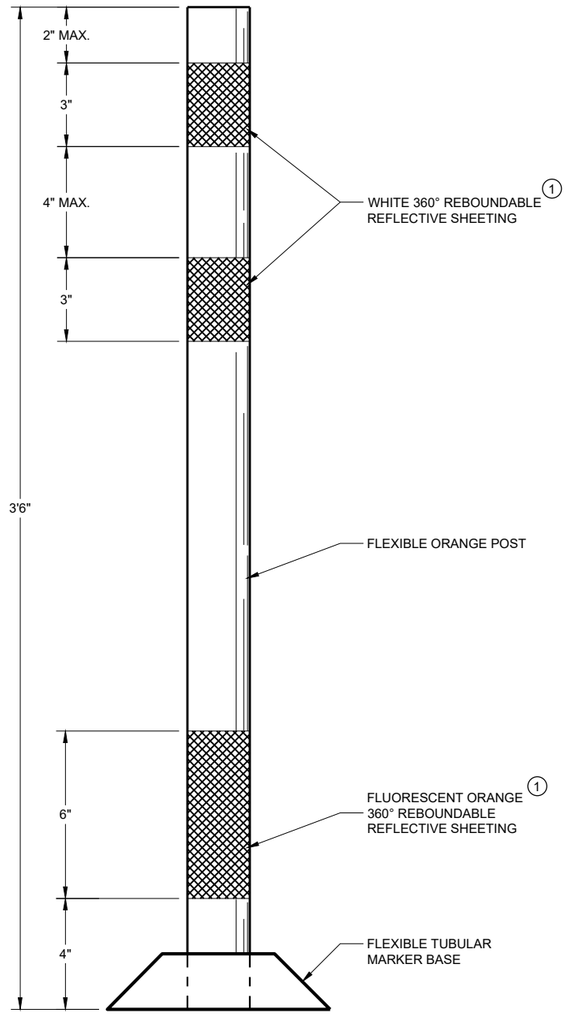
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

SDD 15C09 - 12a

6

SDD15C09 - 12a



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 - 09a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

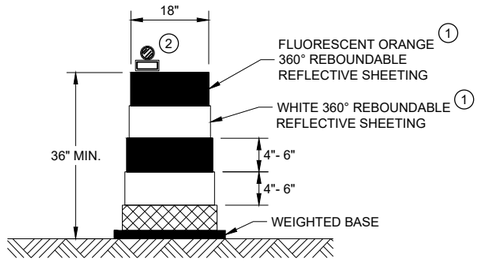
APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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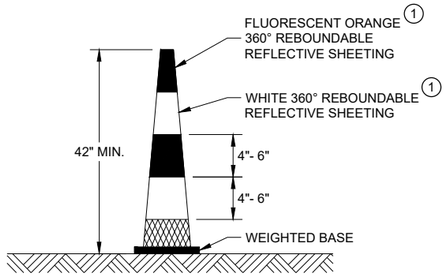
SDD 15C11 - 09a

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.

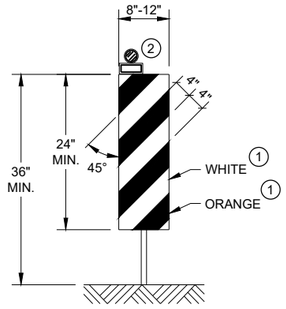


DRUM



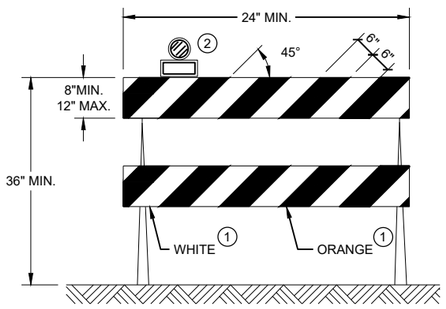
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



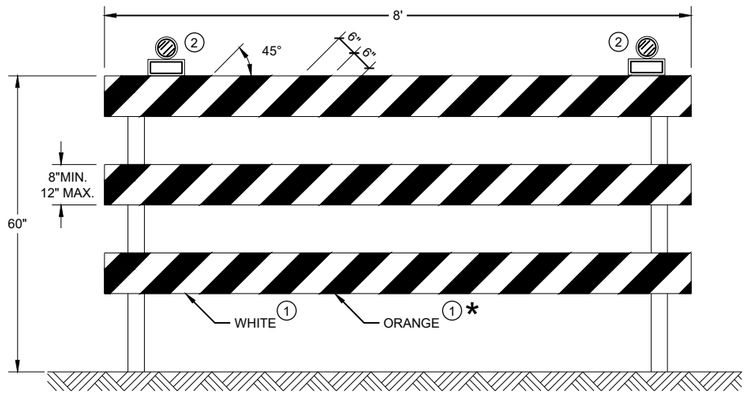
VERTICAL PANEL

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

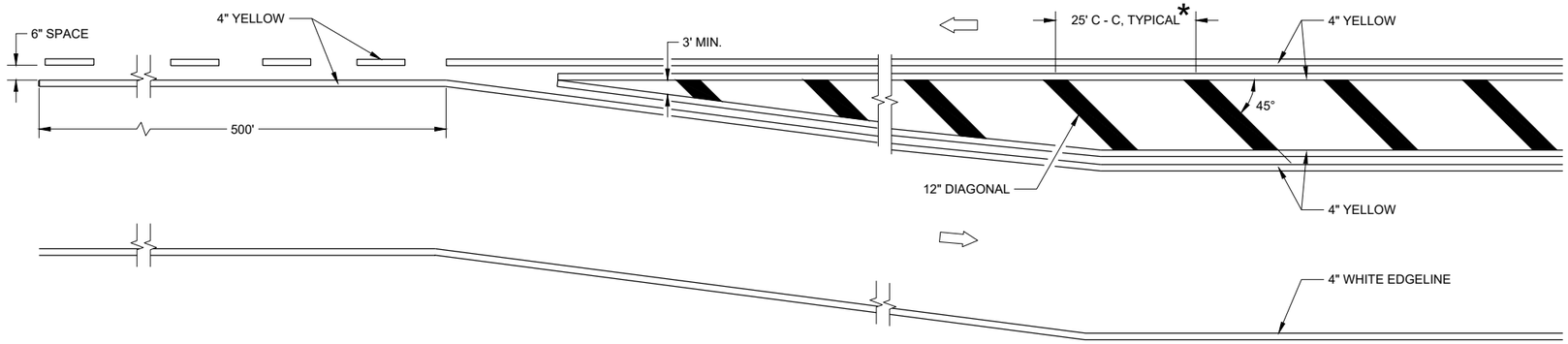
APPROVED
May 2021 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD15C11 - 09b

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SDD15C11 - 09b

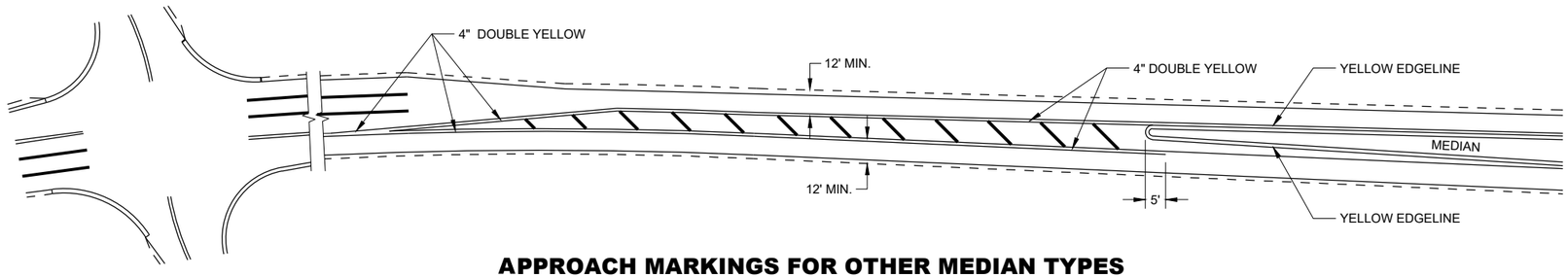


MEDIAN ISLAND DETAIL

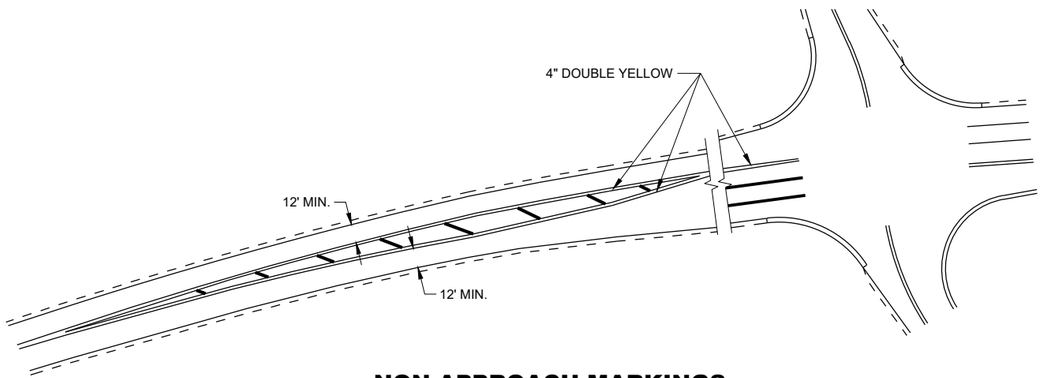
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

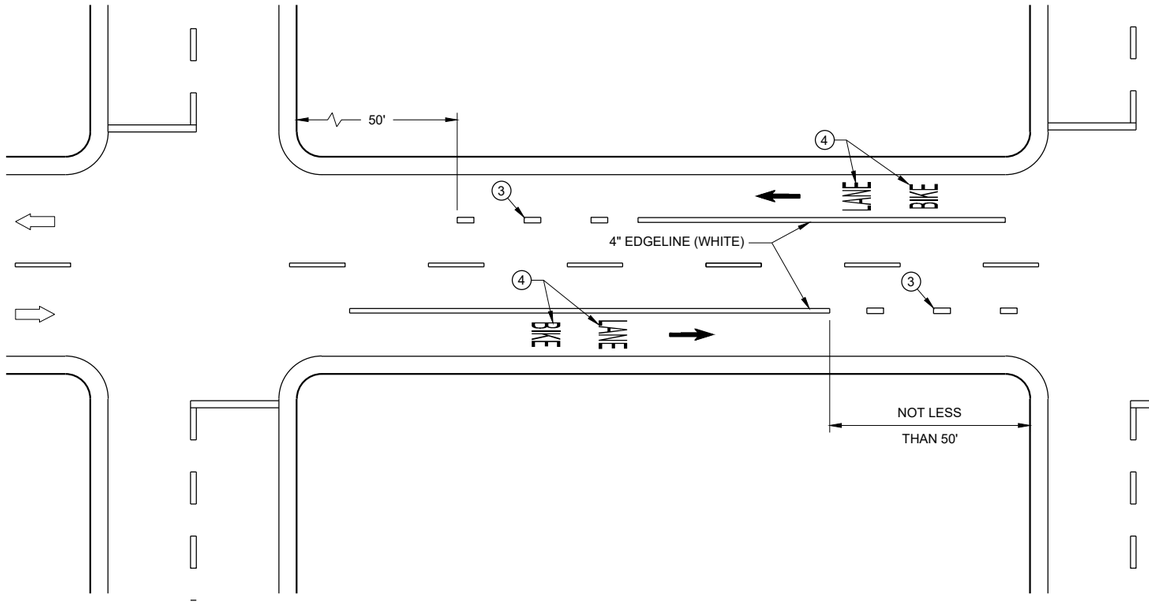
FHWA

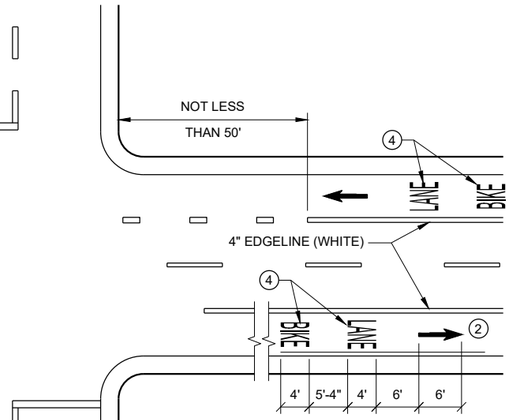
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SDD 15C18 - 05a

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SDD 15C18 - 05a



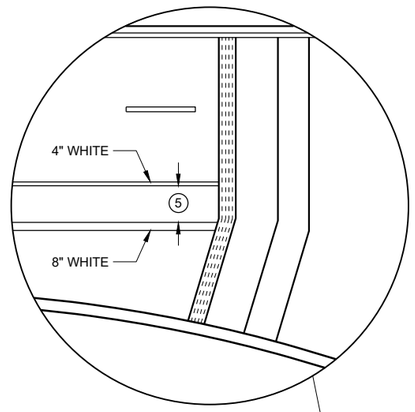


GENERAL NOTES

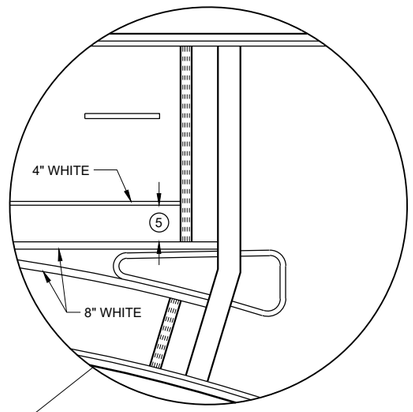
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

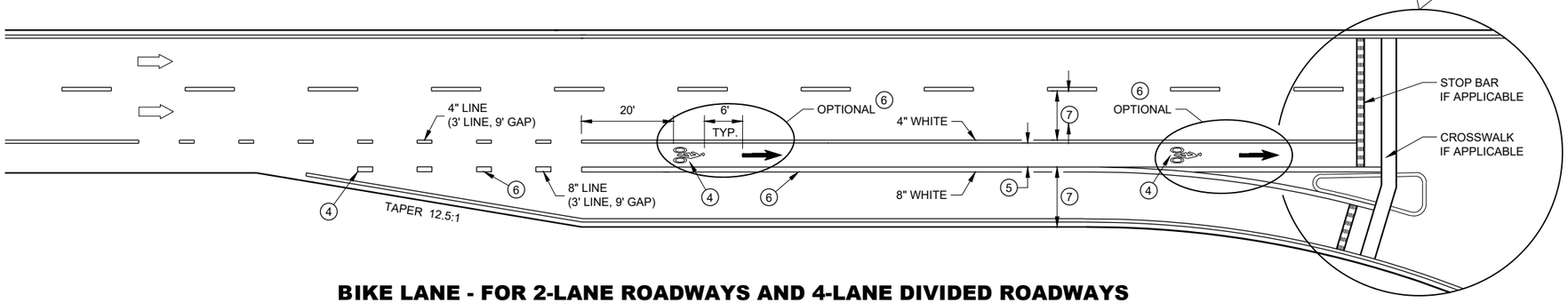
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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SDD 15C29 - 07a

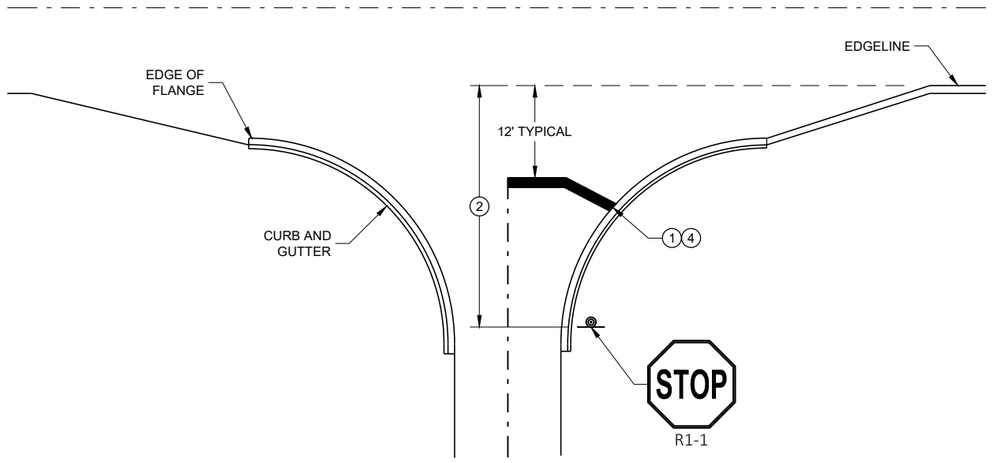
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SDD 15C29 - 07a

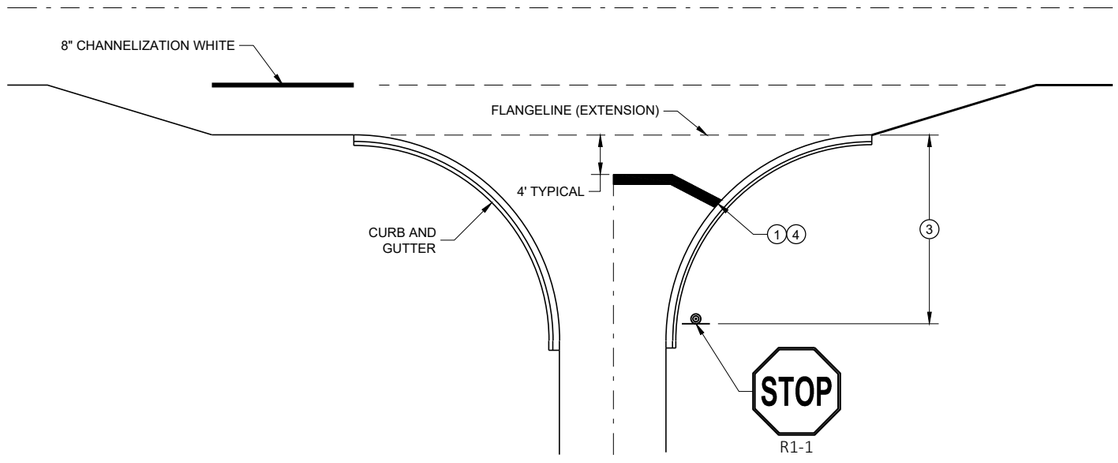
GENERAL NOTES

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

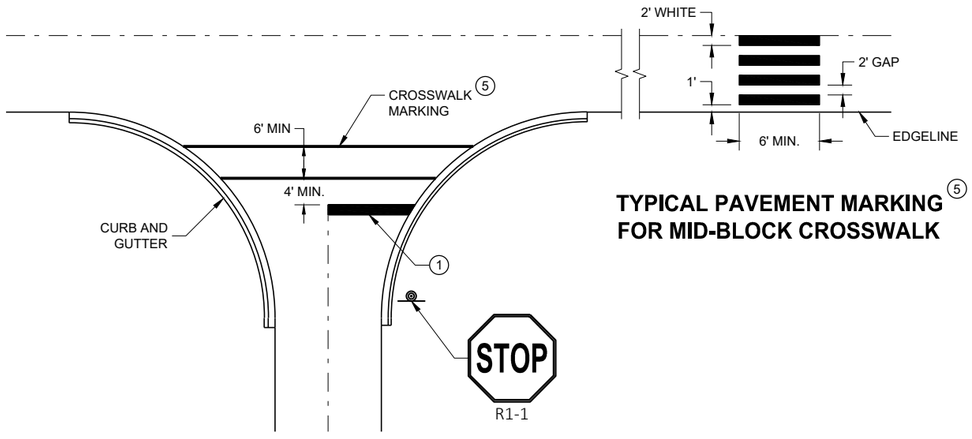
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

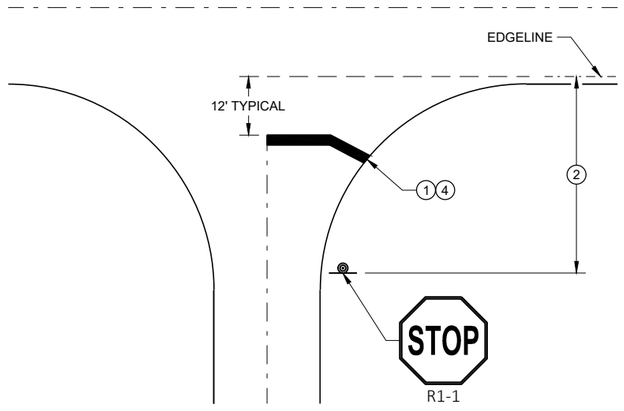


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C33 - 04

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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 MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.



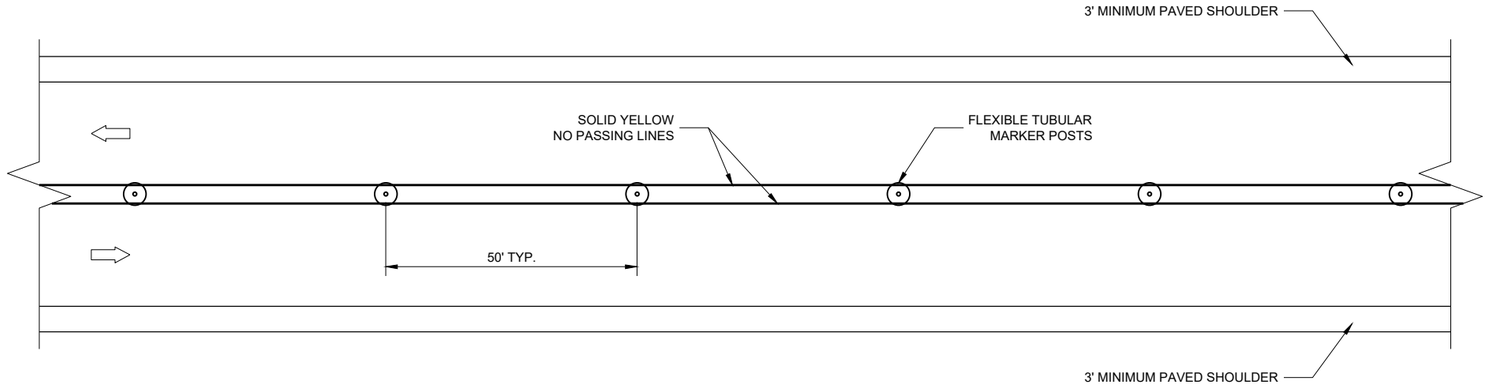
(1)



(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER

FHWA

6

SDD 15D06 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

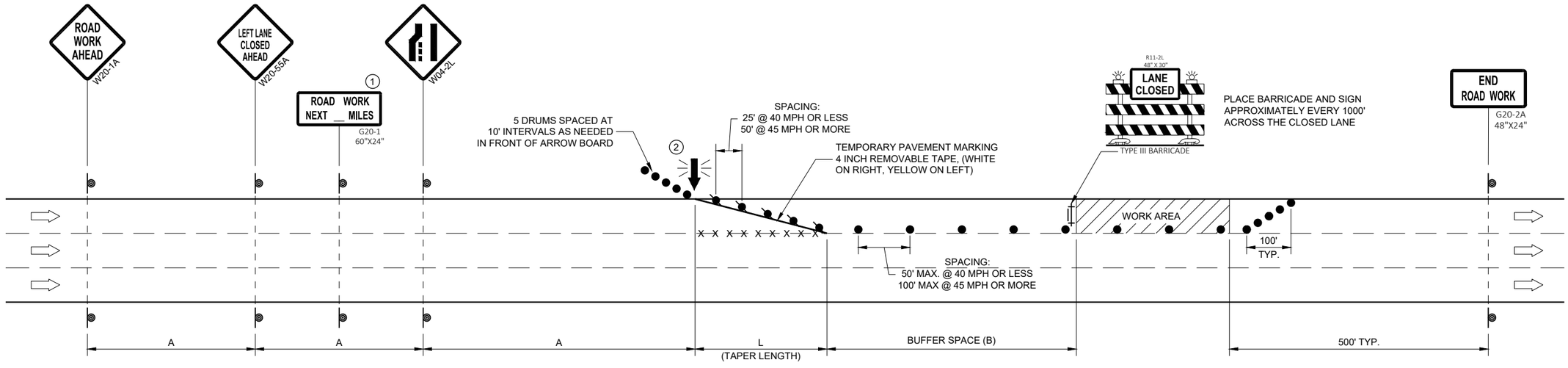
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

288

6

SDD15D20 - 05a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA



GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE 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.

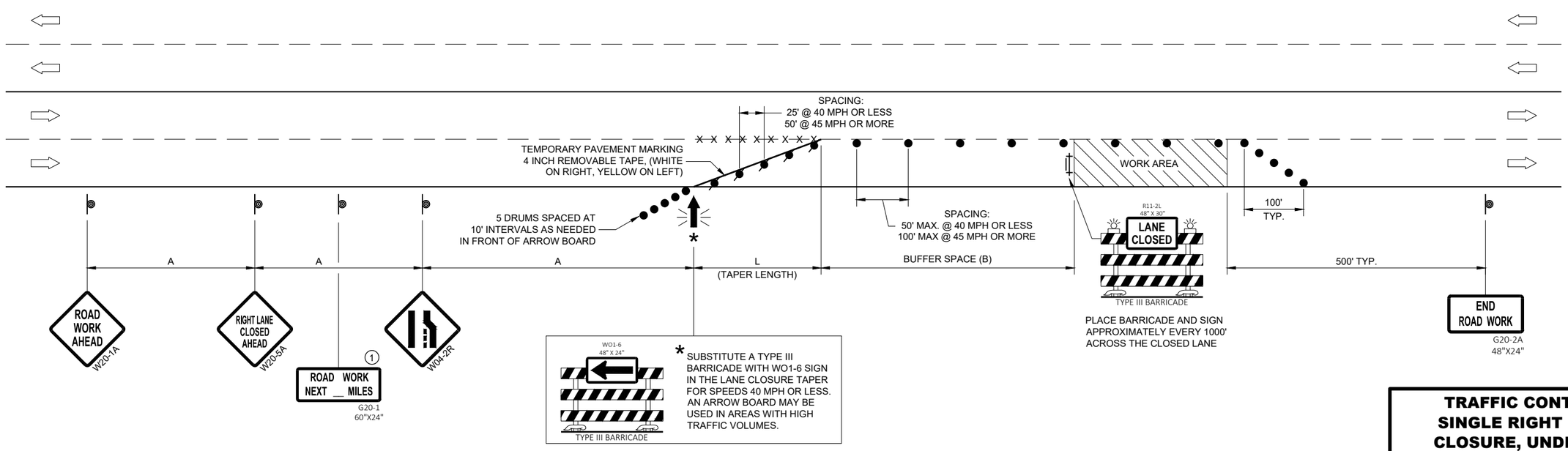
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D20 - 05b

SDD 15D20 - 05b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 REGIONAL TRAFFIC UNIT.

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SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

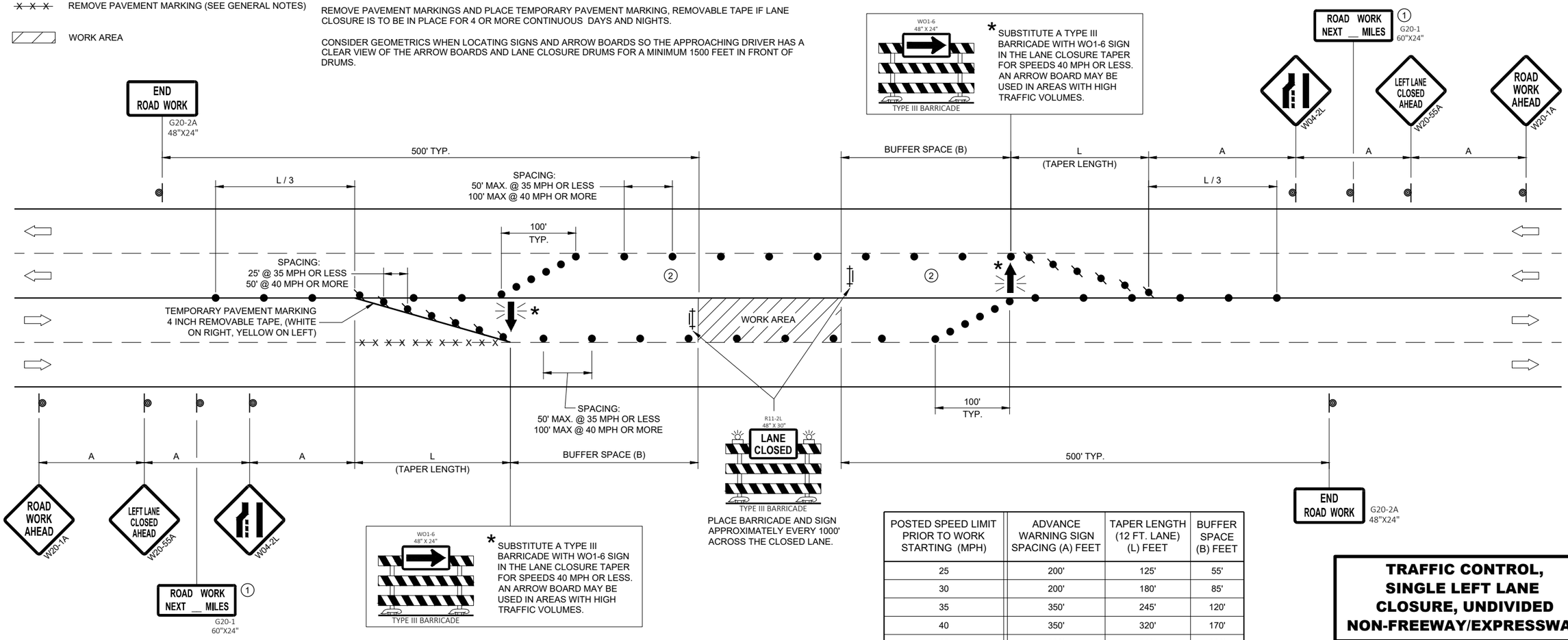
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

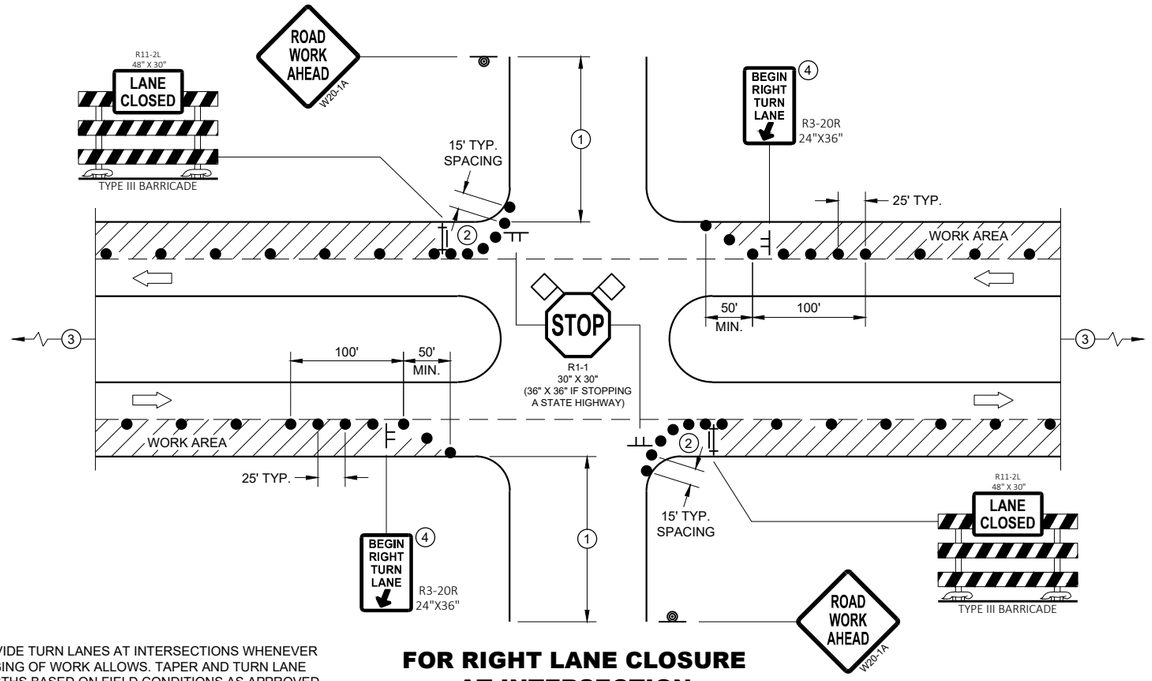
APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

SDD 15D20 - 05c

6

SDD 15D20 - 05c



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

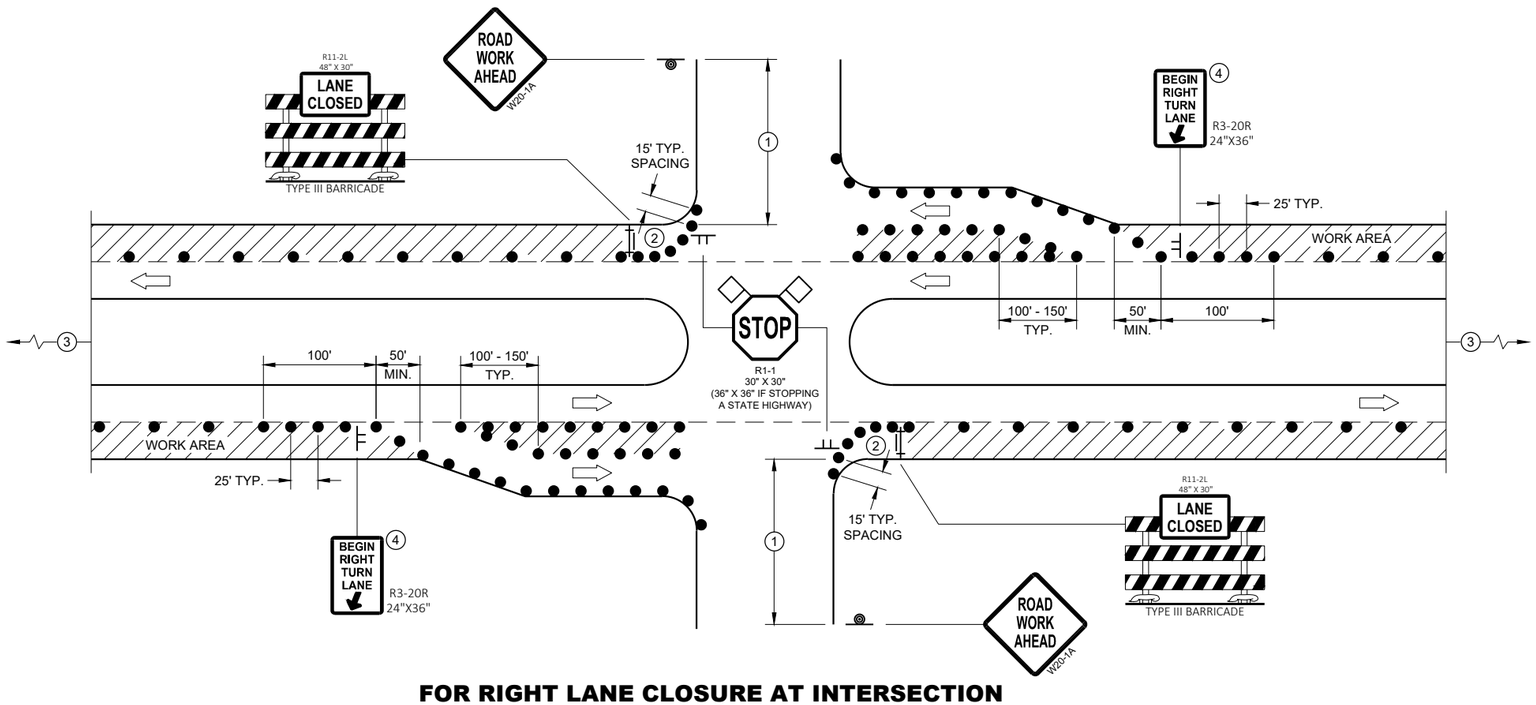
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.

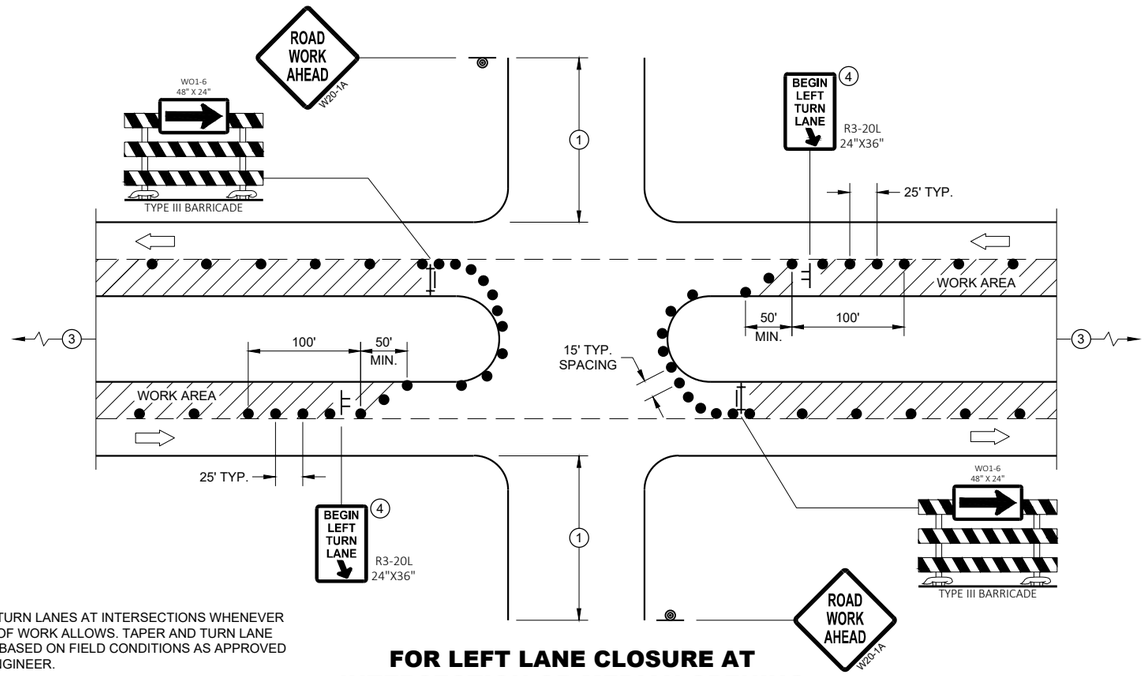


FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

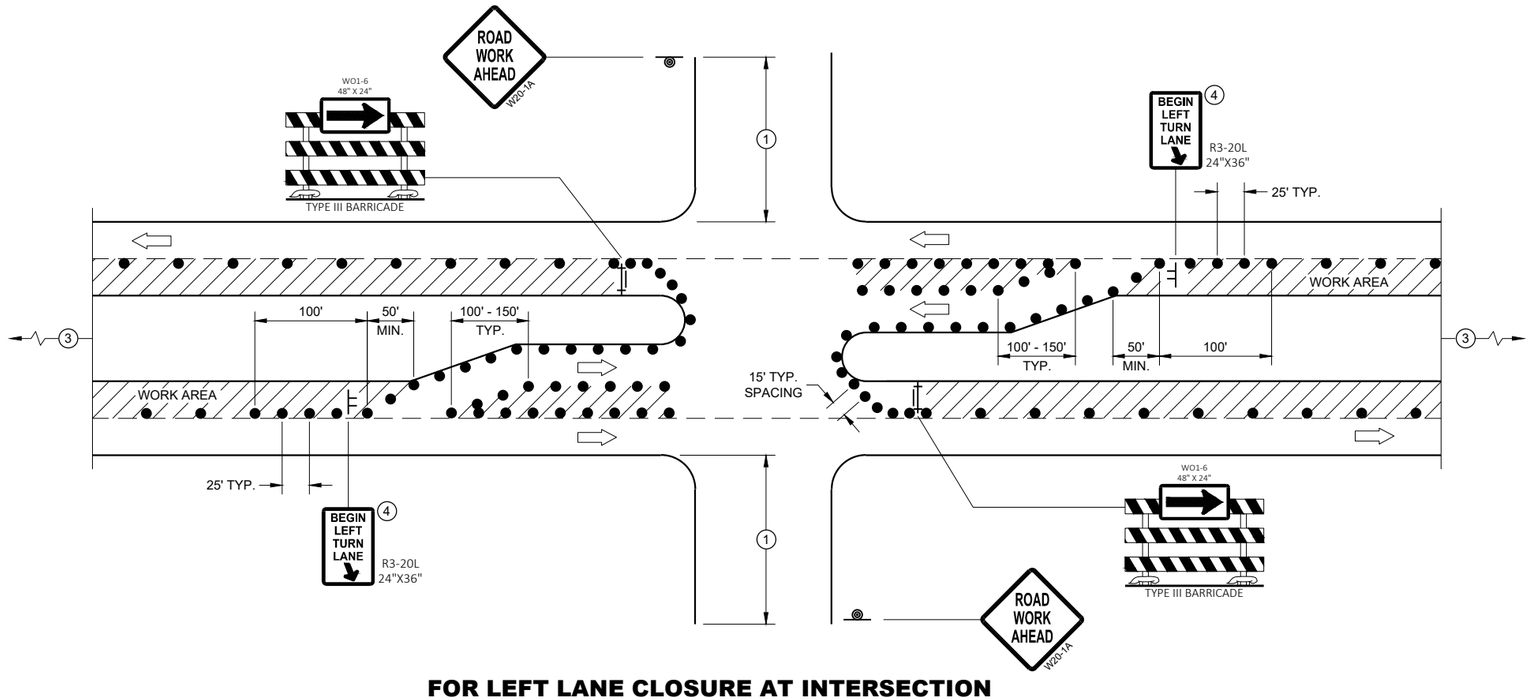
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES.
FOR CLOSING LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

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 REGIONAL TRAFFIC UNIT.

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REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

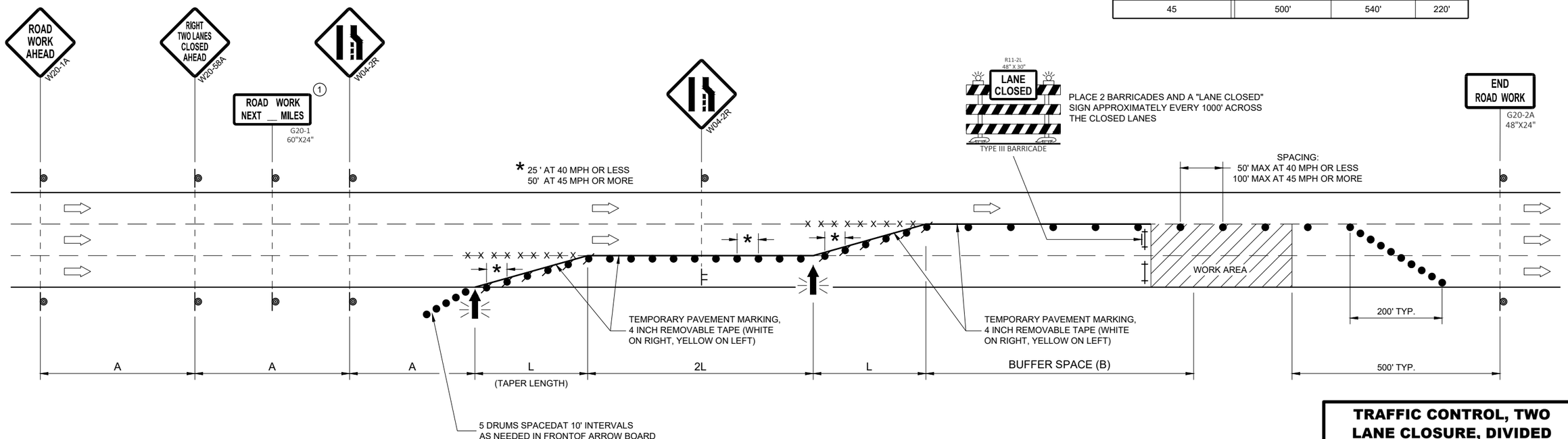
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WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'



TRAFFIC CONTROL, TWO LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

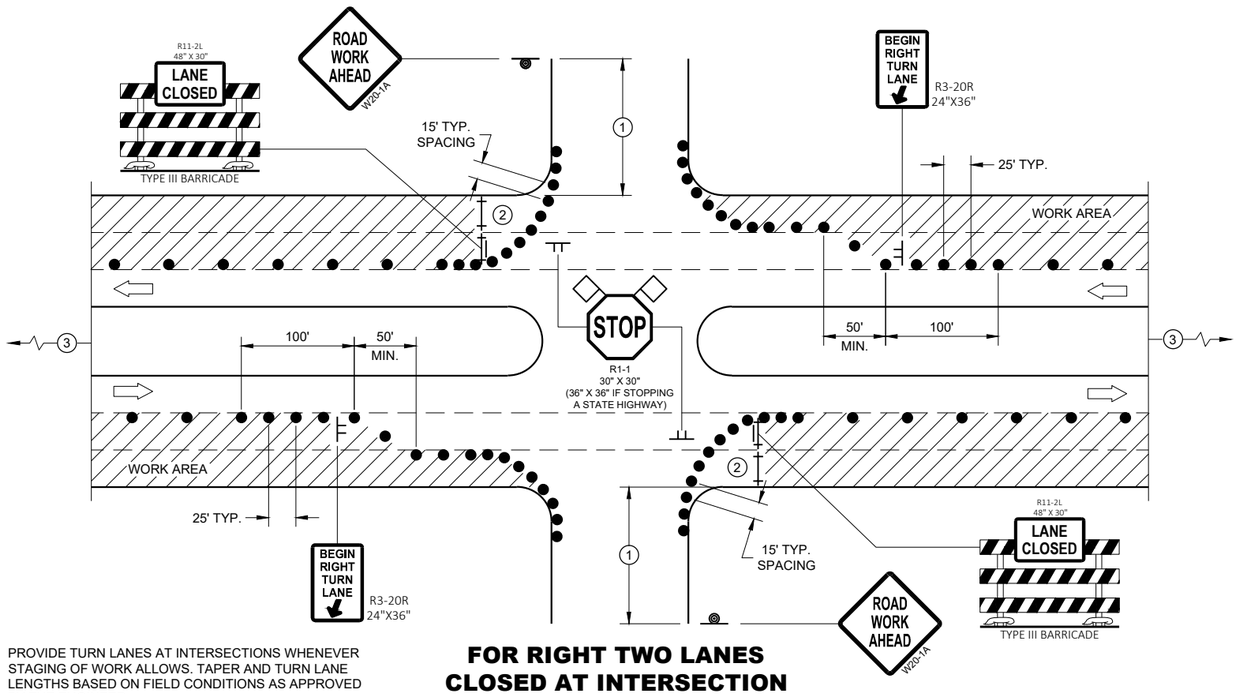
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD 15D22 - 04



FOR RIGHT TWO LANES CLOSED AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

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

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

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

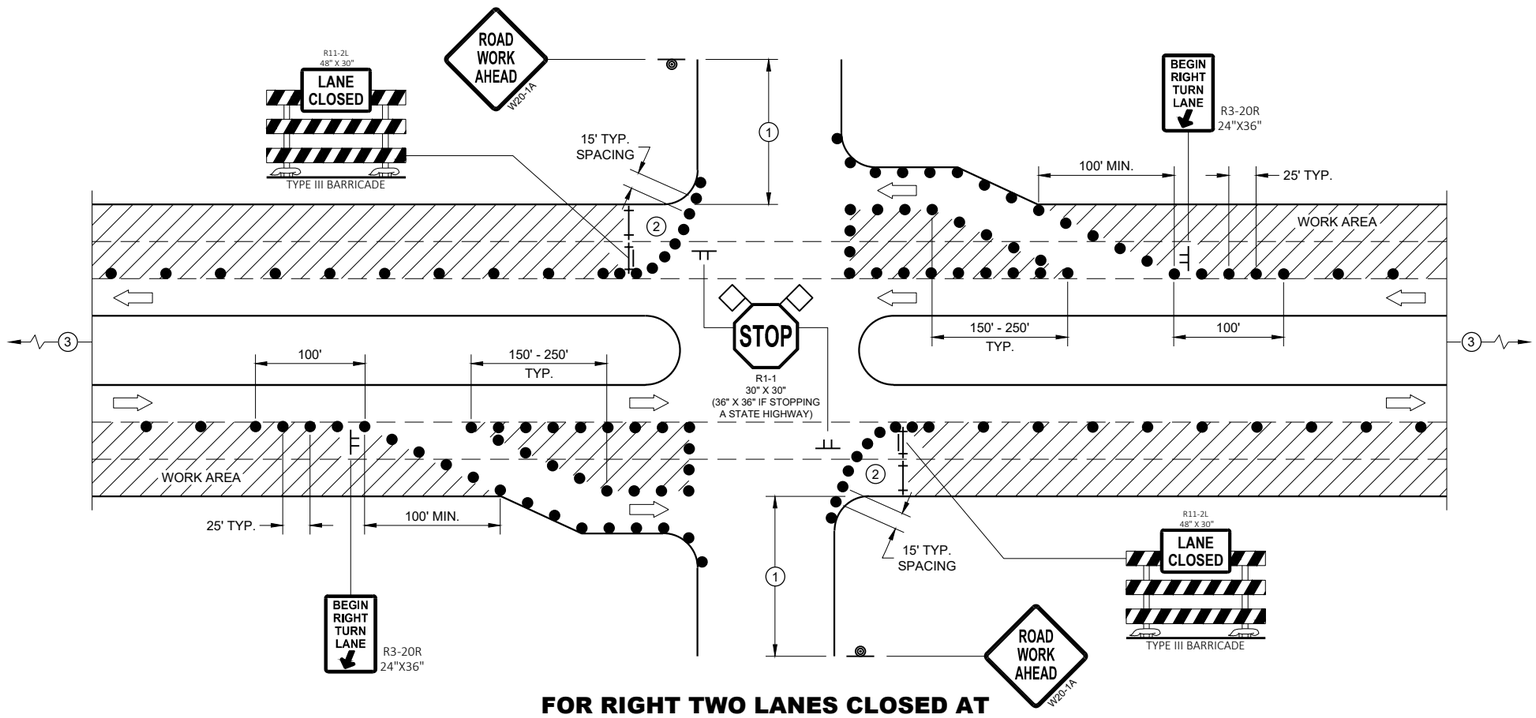
(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA



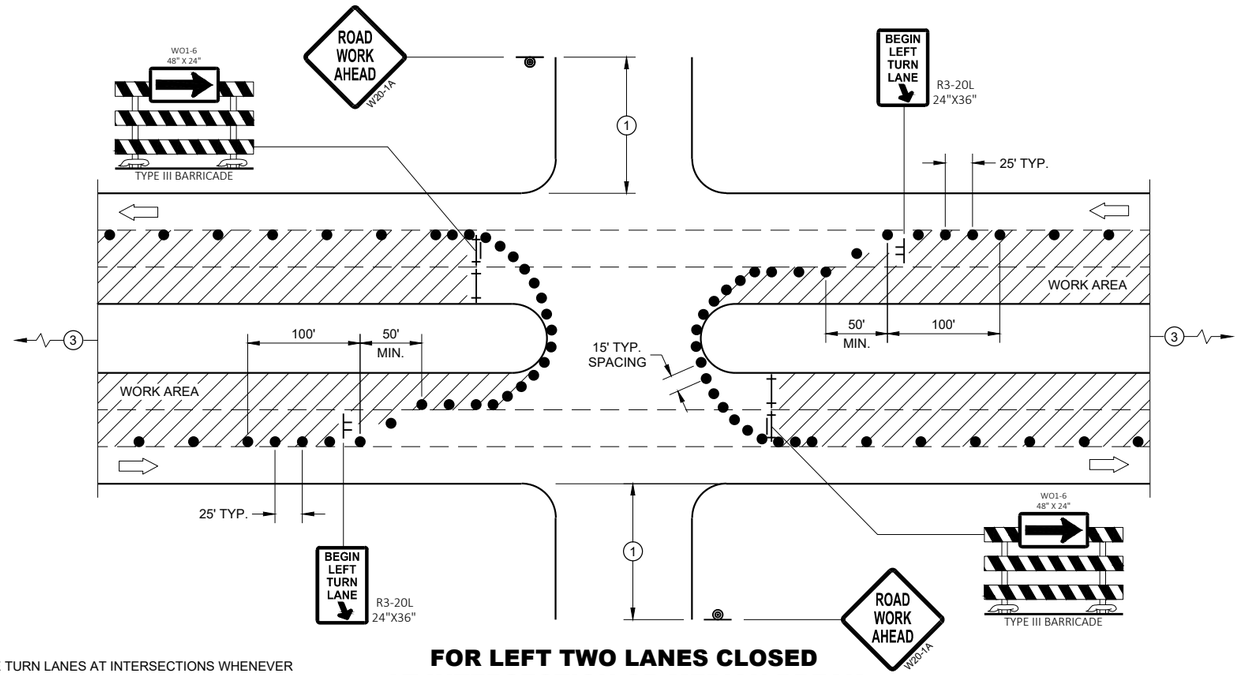
FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

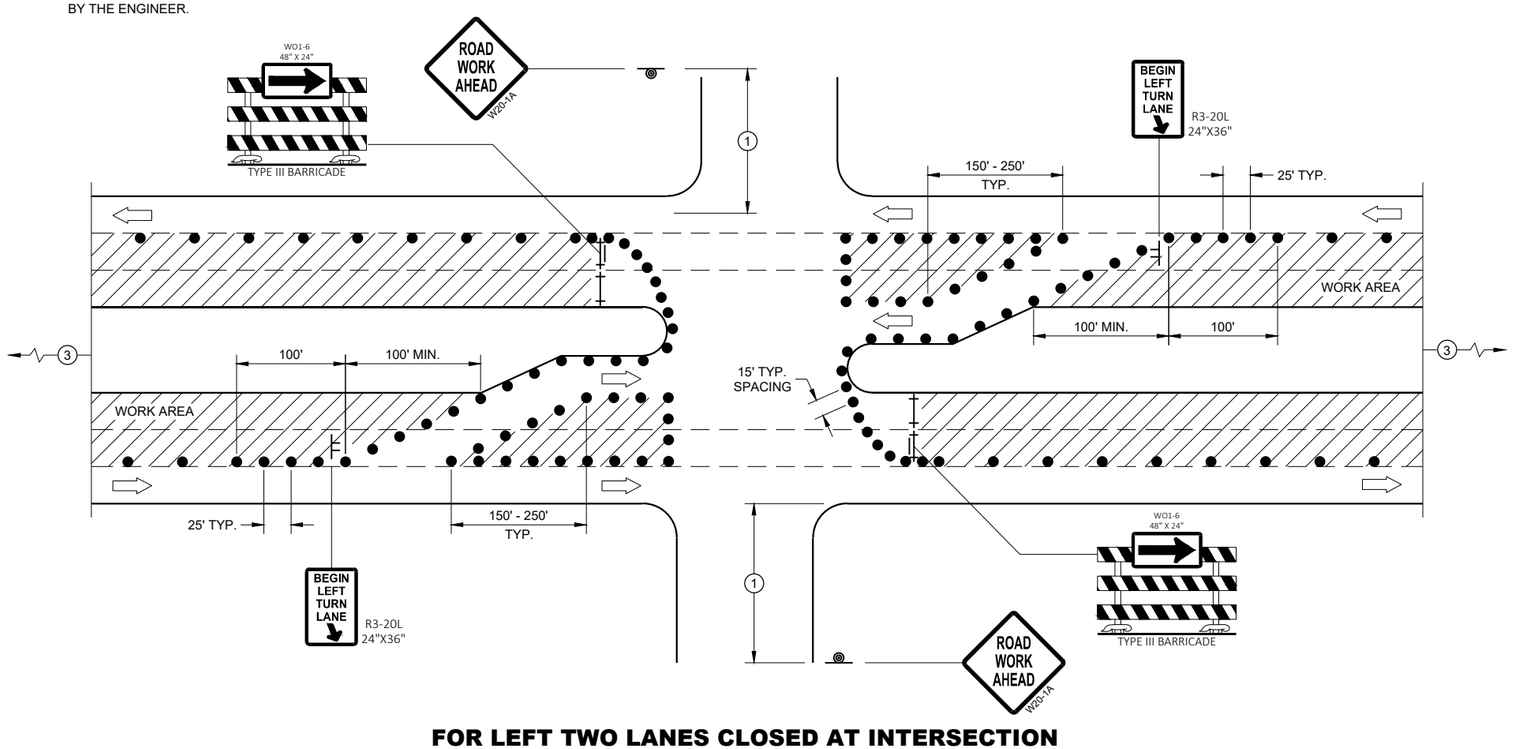
6

SDD 15D23 - 06a
SDD15D23 - 06a



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

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

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

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

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Amdrew Heidtke
WORK ZONE ENGINEE

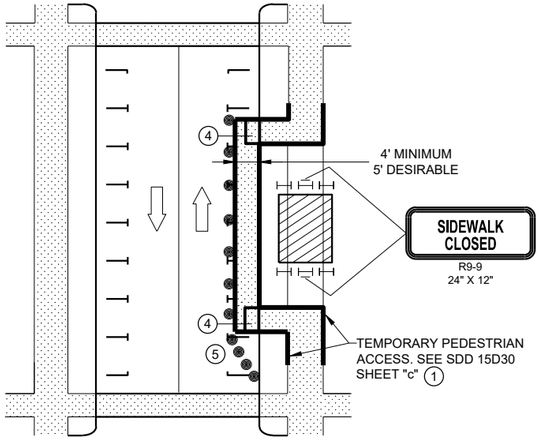
FHWA

SDD 15D23 - 06b

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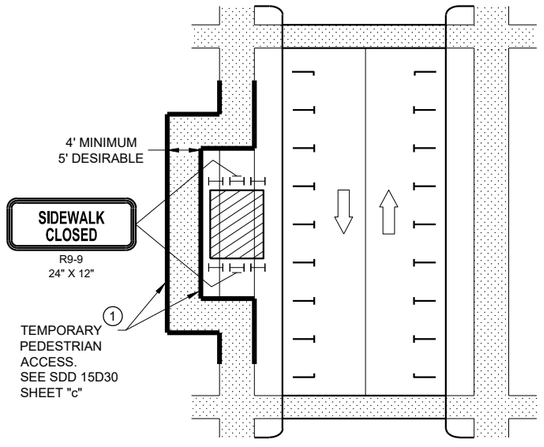
SDD 15D23 - 06b

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

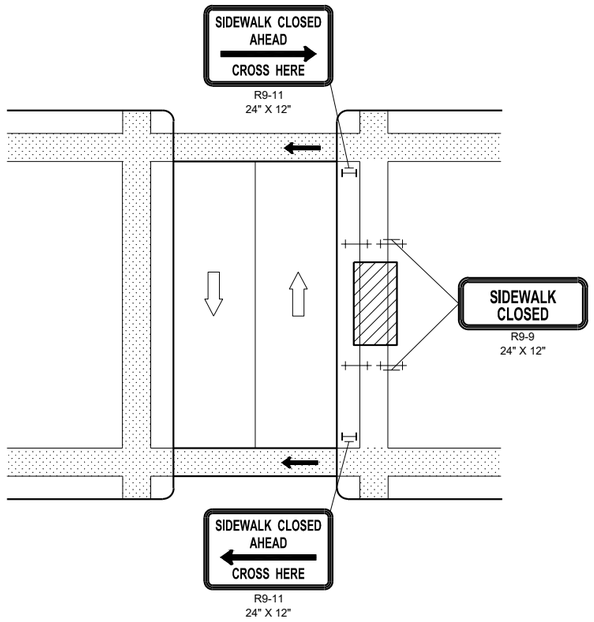


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

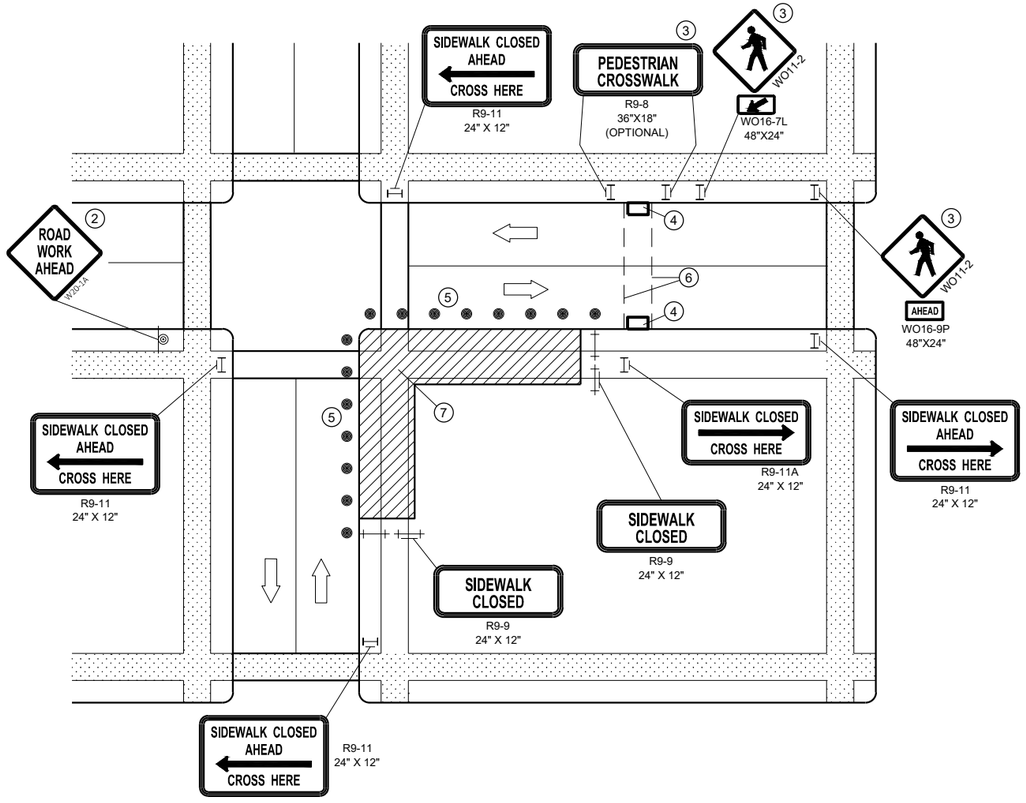
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

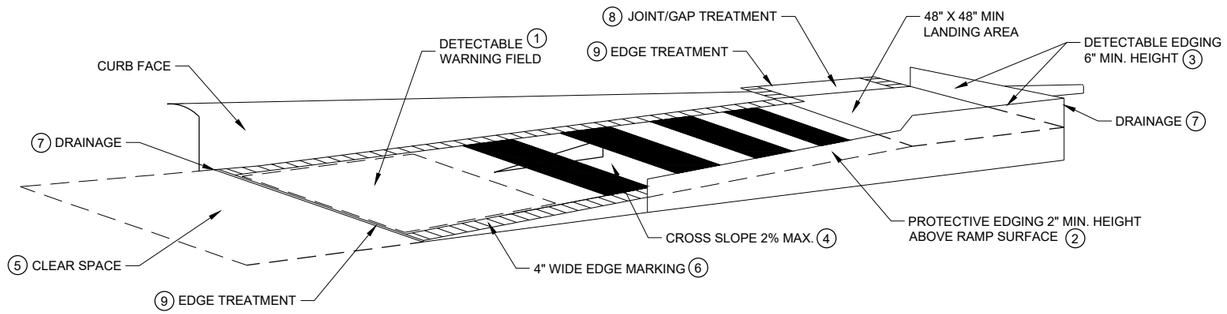
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

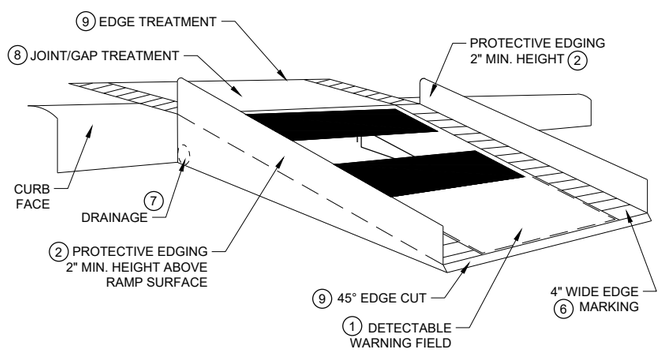
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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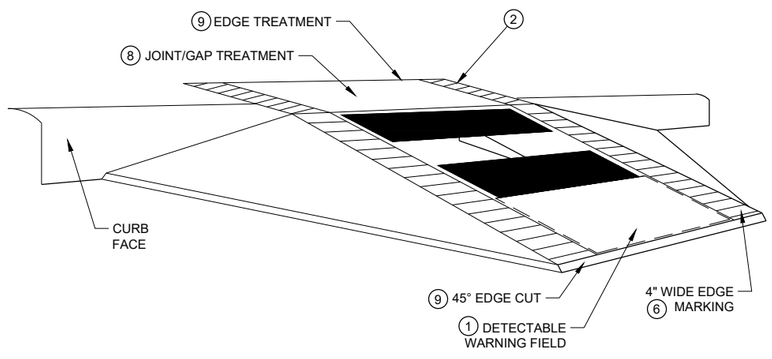
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

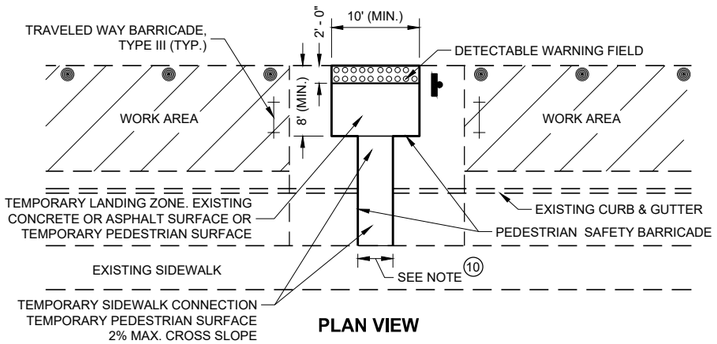
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

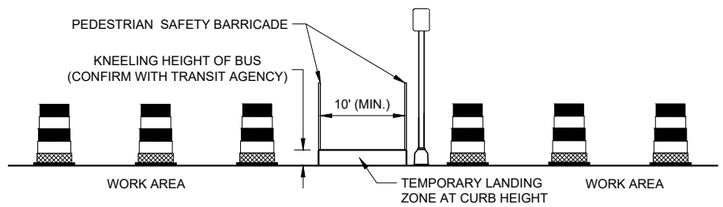
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

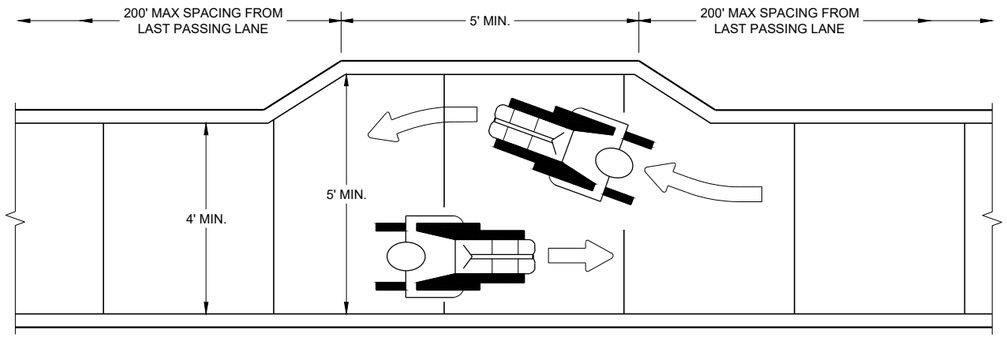
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

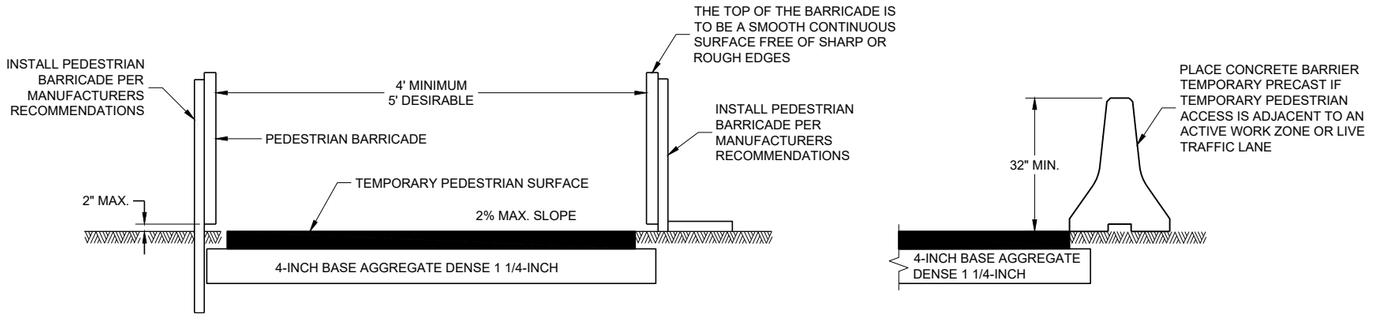
SDD 15D30 - 06b

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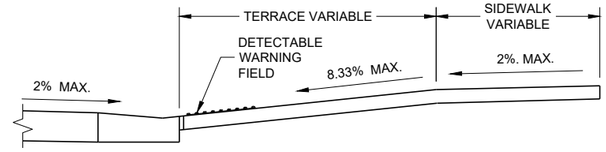
SDD 15D30 - 06b



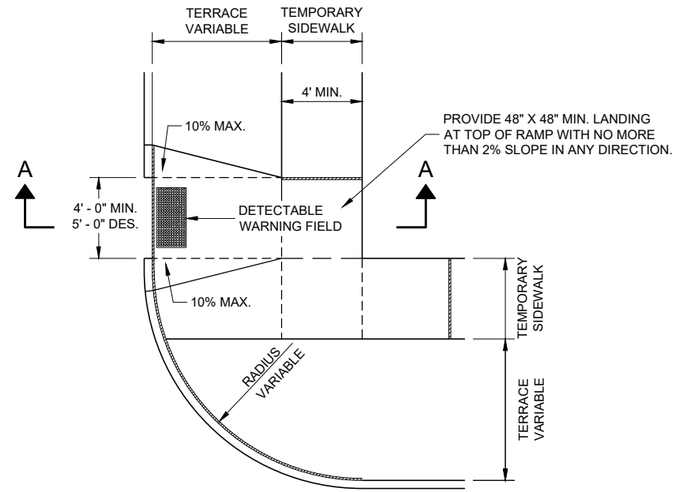
NARROW SIDEWALK PASSING DETAIL



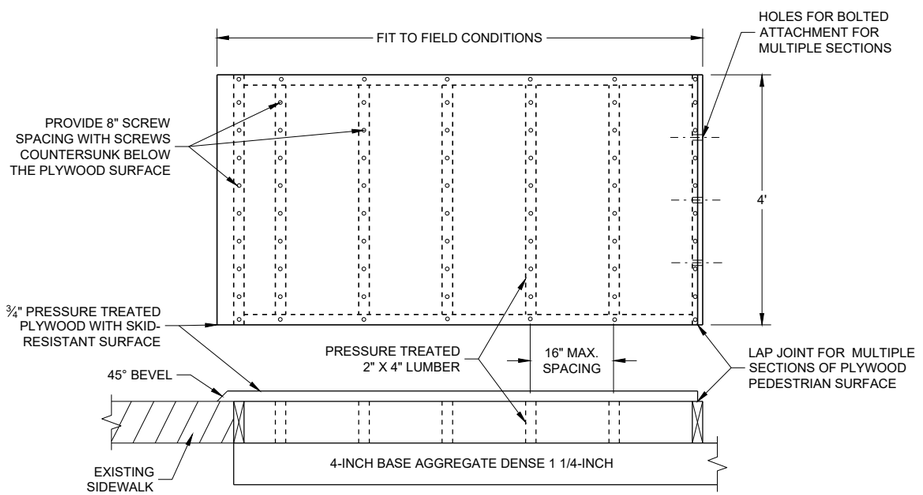
TEMPORARY PEDESTRIAN ACCESS



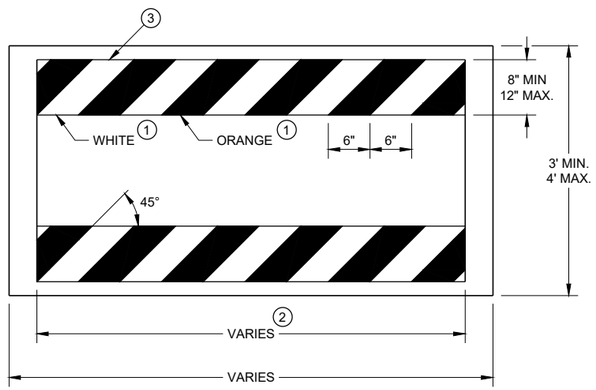
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

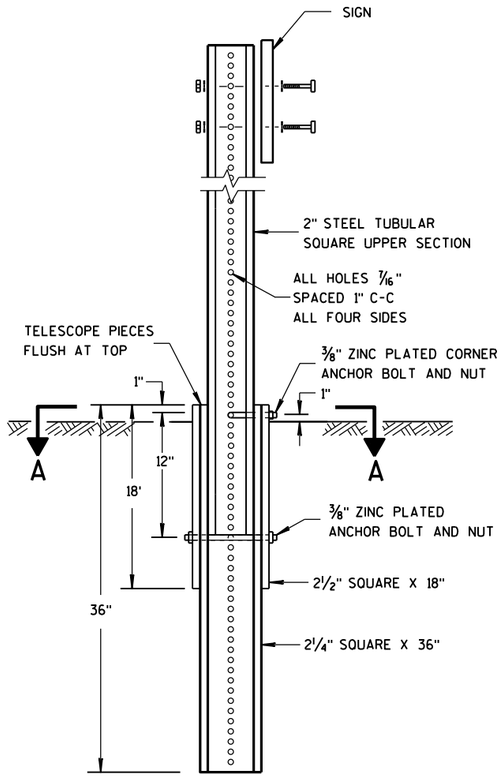
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

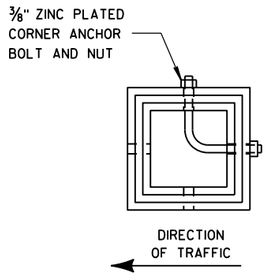
FHWA

SDD 15D30 - 06c

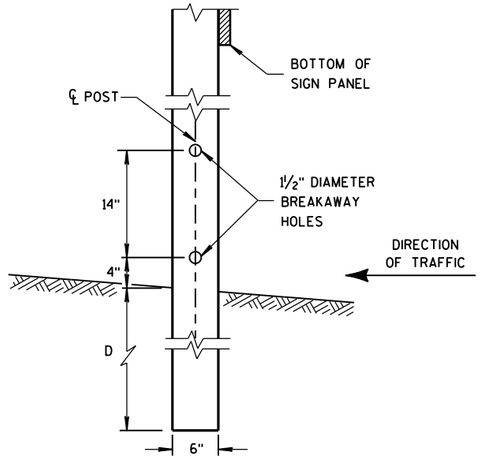
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SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



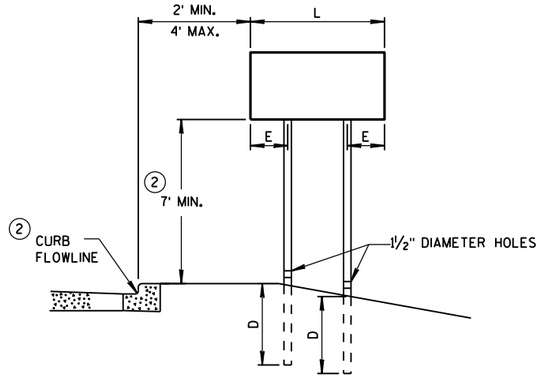
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

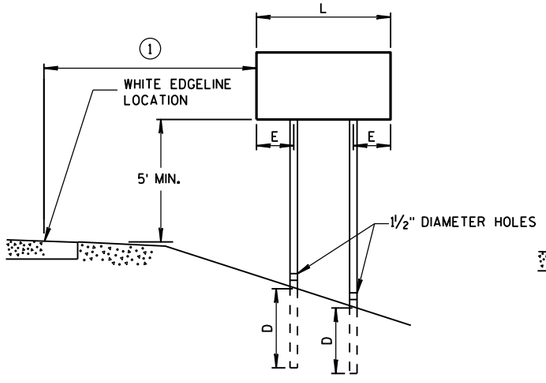
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

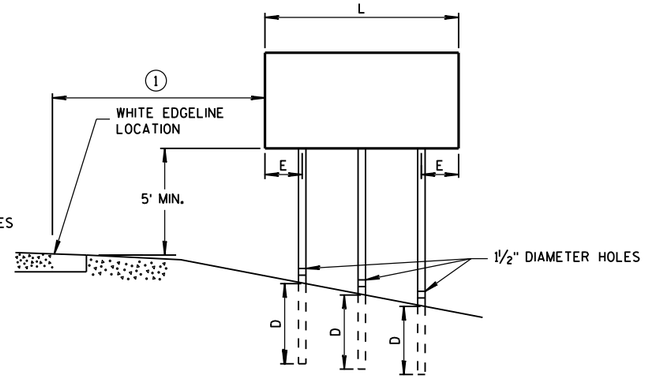
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK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

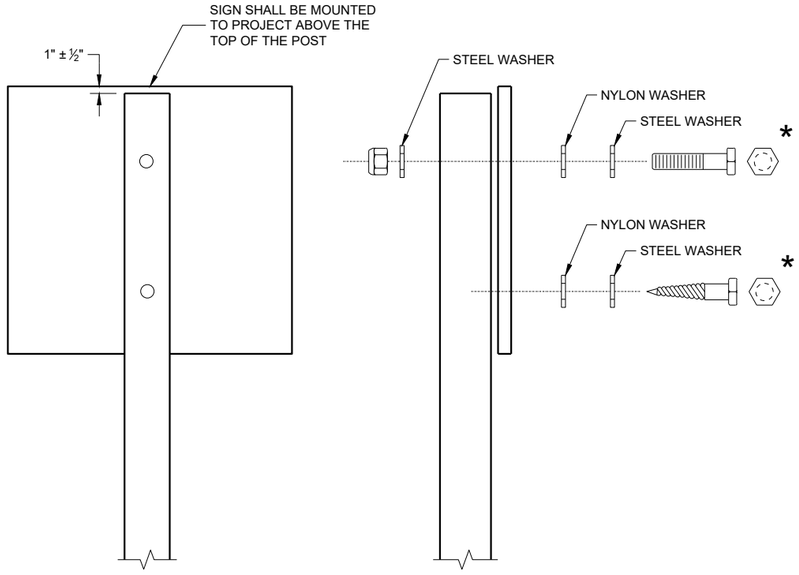
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

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" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) 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. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 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 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

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 300
FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVE PAVEMENT MARKING

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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 MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

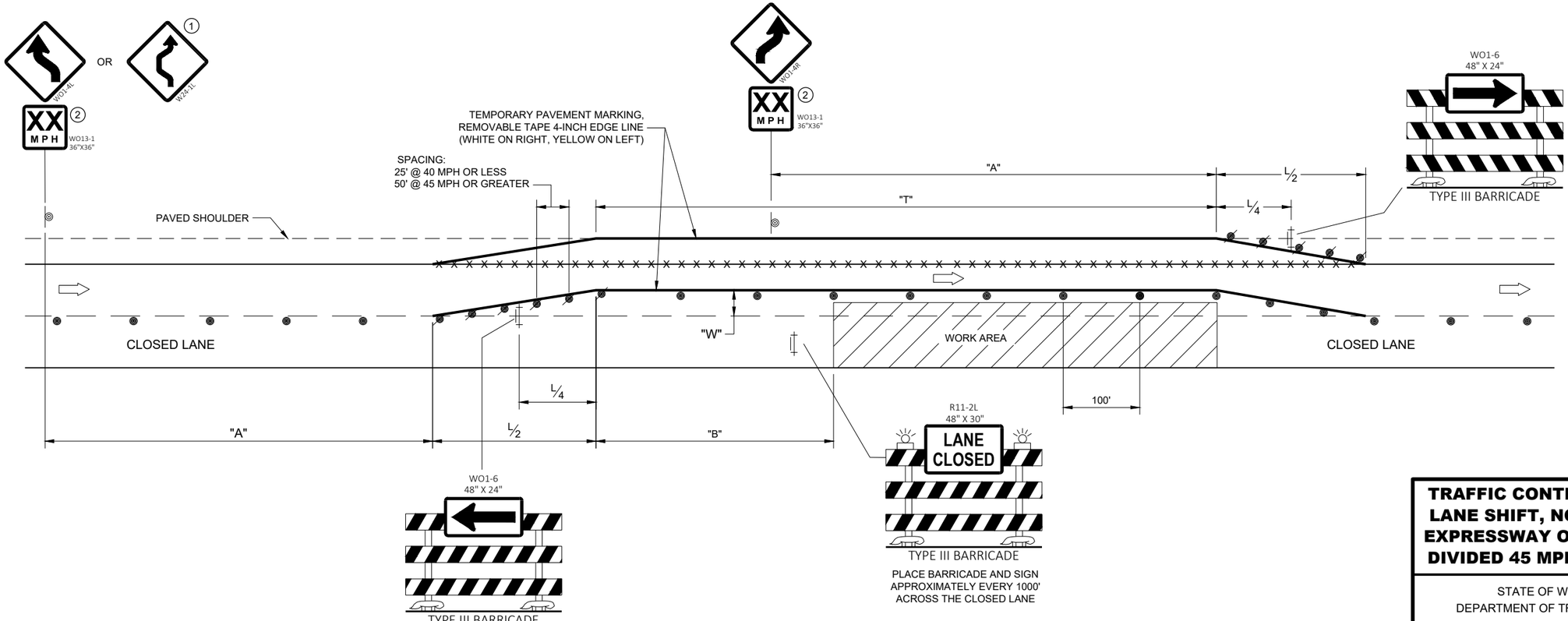
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02c

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120



OR



LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN



R2-1 48"X60"

OR



R2-1 48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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 MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

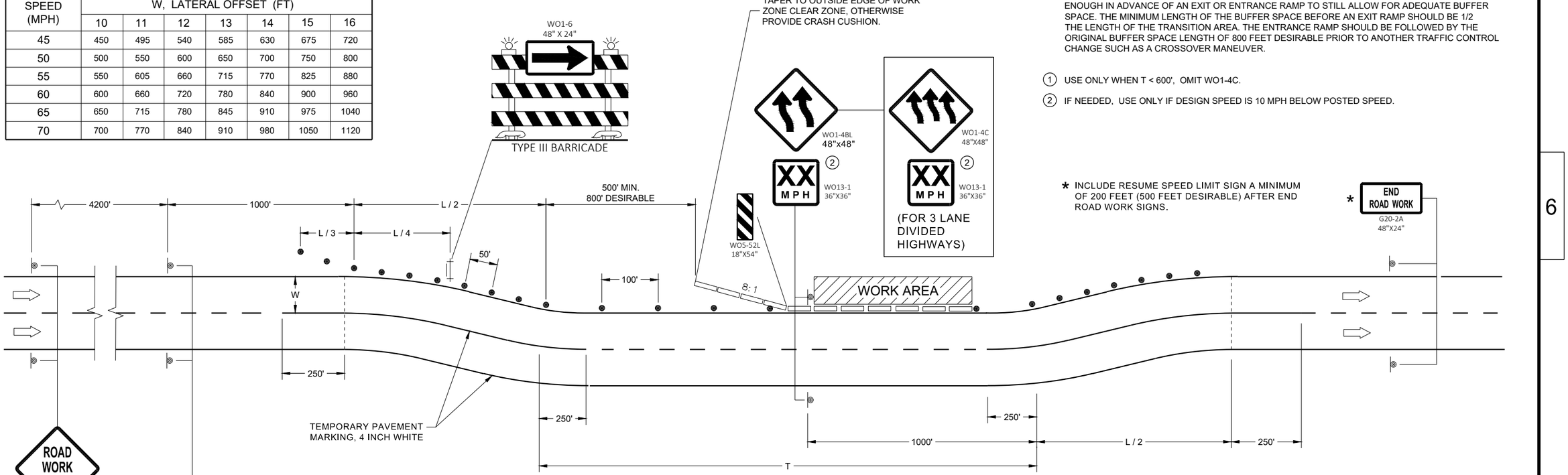
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

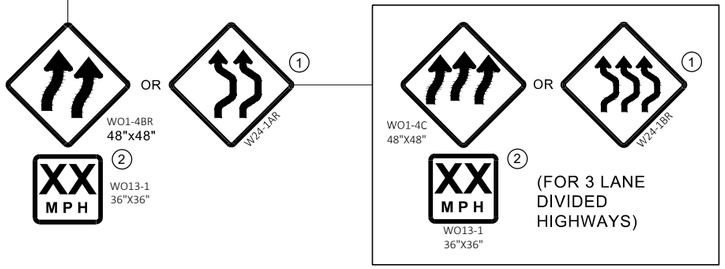
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.





MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD

TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
302

FHWA

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

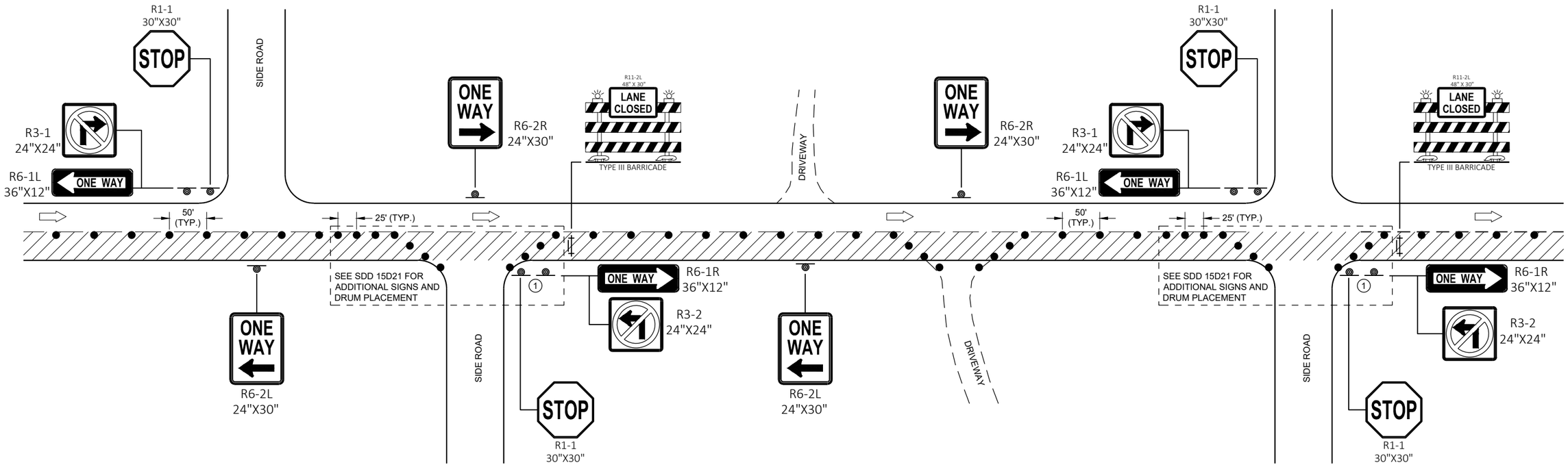
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE 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.

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

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



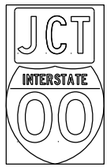
TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	

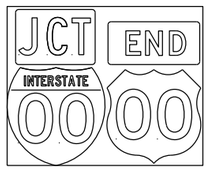
SDD 15D46 - 01

SDD 15D46 - 01

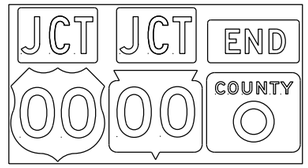
TYPICAL ASSEMBLIES



J1-1



J1-2



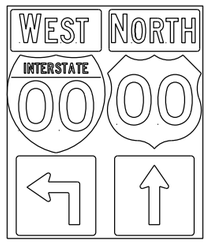
J1-3



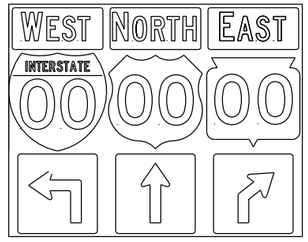
JR1-1



J2-1



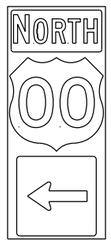
J2-2



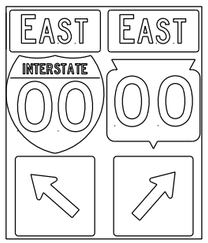
J2-3



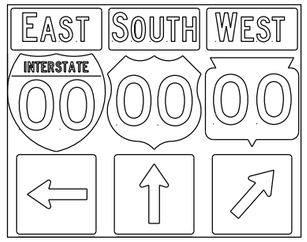
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



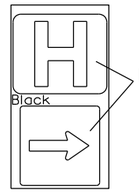
J3-1



J3-2



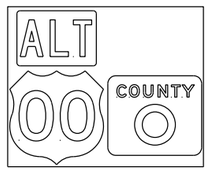
J3-3



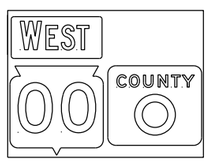
Blue Background
JH-1



J4-1



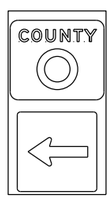
J4-2



J4-2



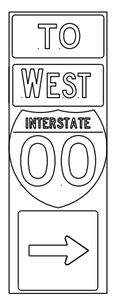
J12-1



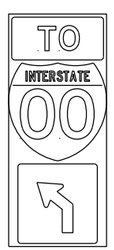
J13-1



J32-1



J33-1



J22-1



J23-1



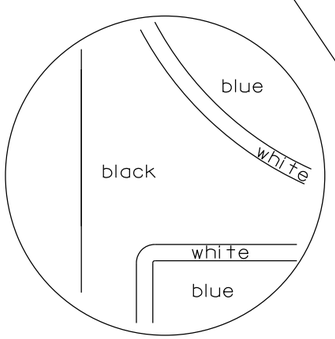
JR13-1

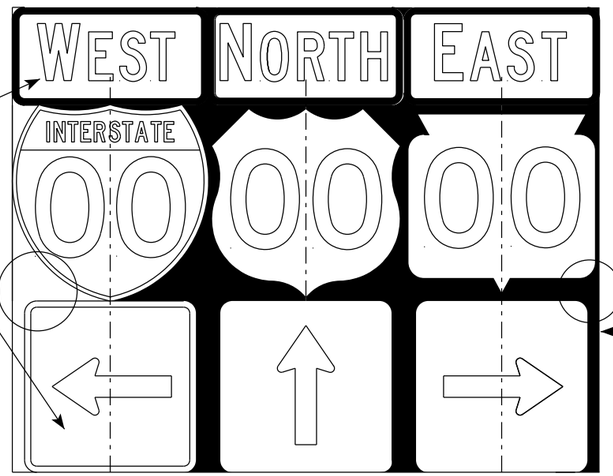


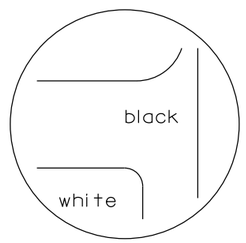
JR23-1



JR99-1







black background

NOTES

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

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

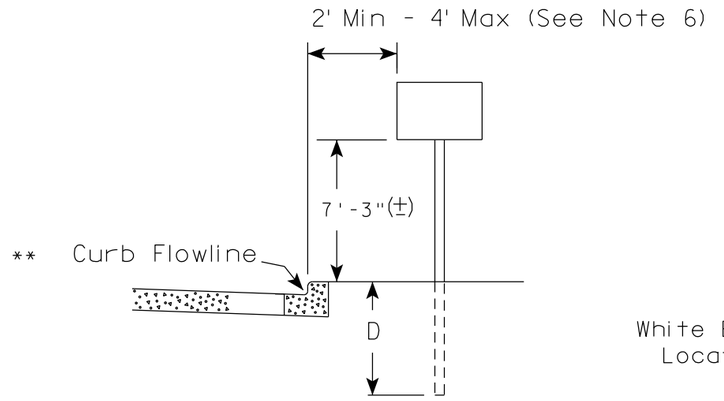
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

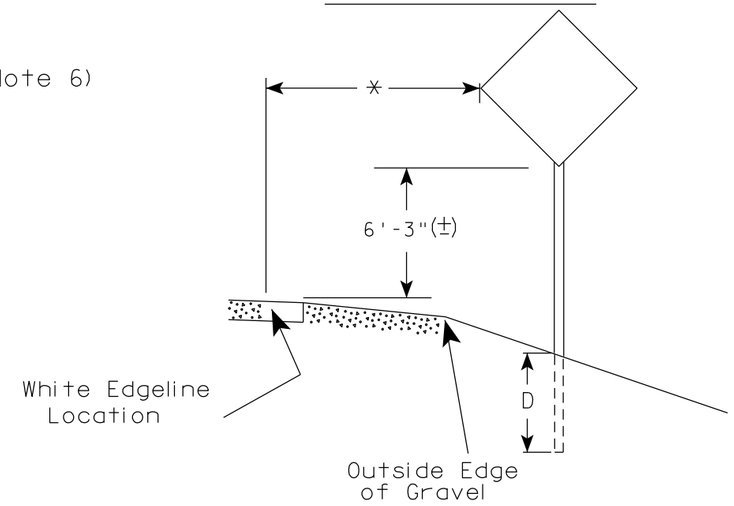
PROJECT NO:

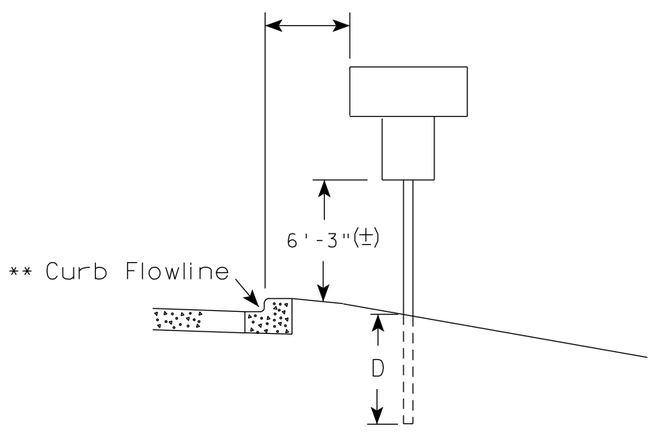
SHEET NO: 304 **E**

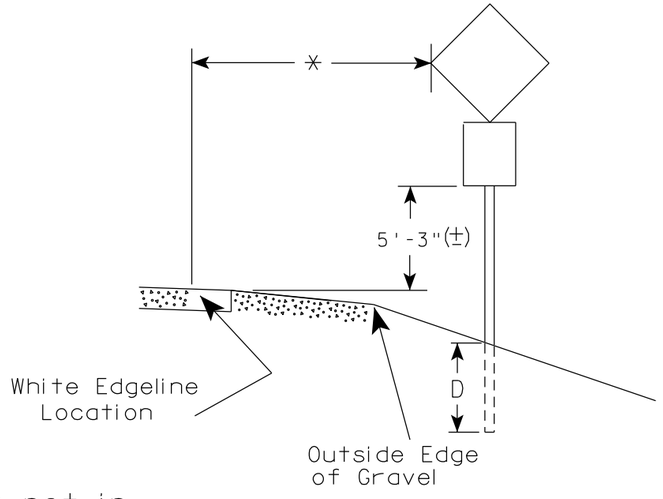
URBAN AREA



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.

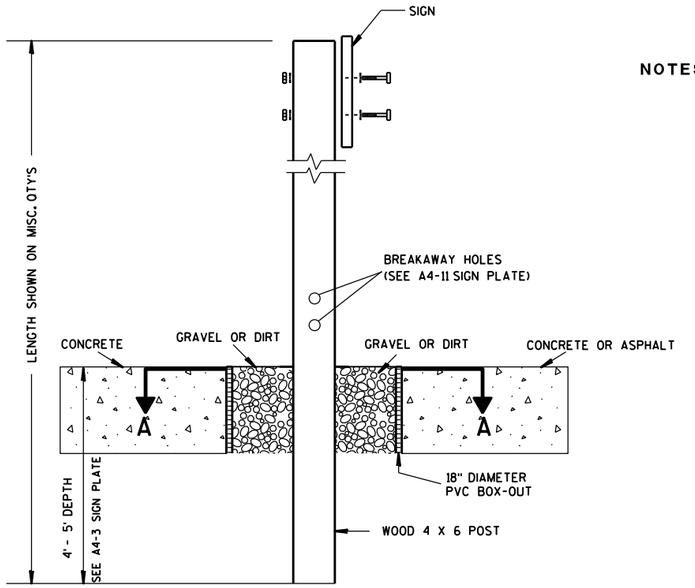
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

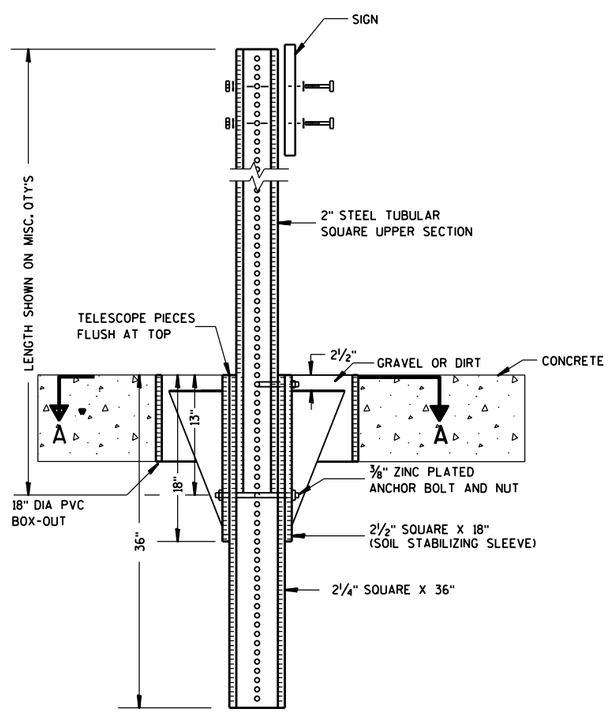
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 305	E



ELEVATION VIEW

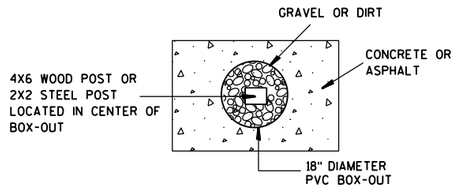
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

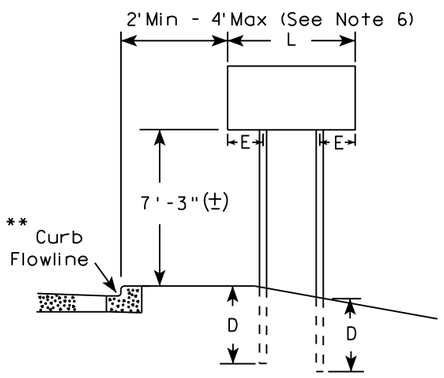
APPROVED Matthew R Rauch
for State Traffic Engineer

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

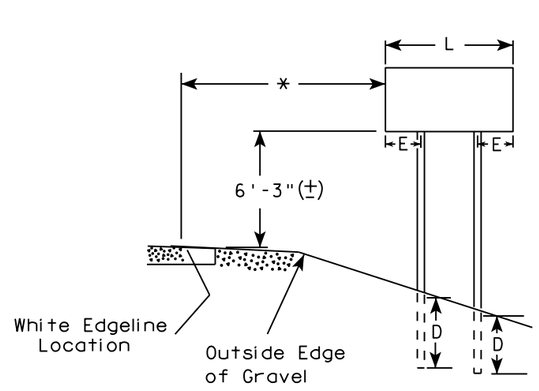
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

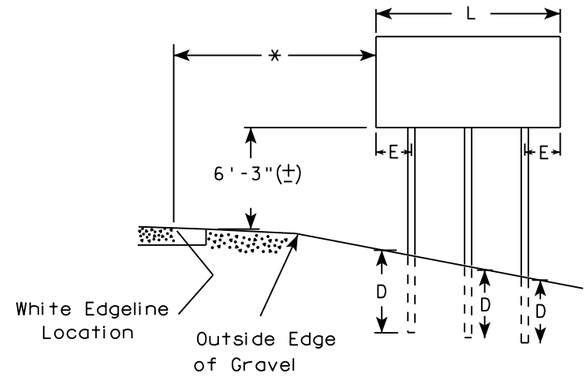
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

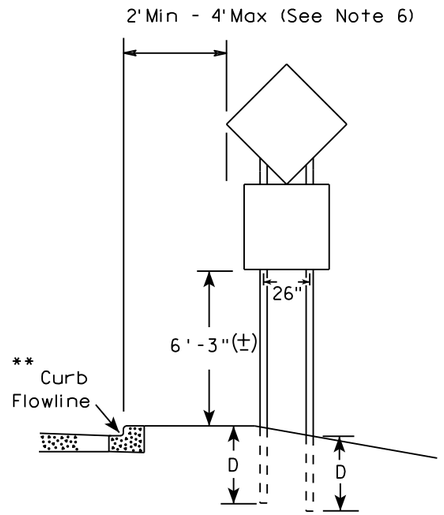
URBAN AREA



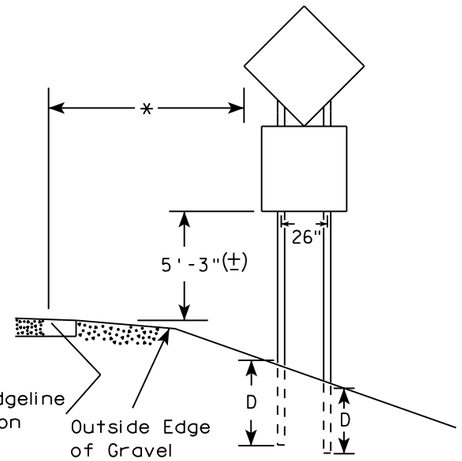
RURAL AREA (See Note 3)







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'

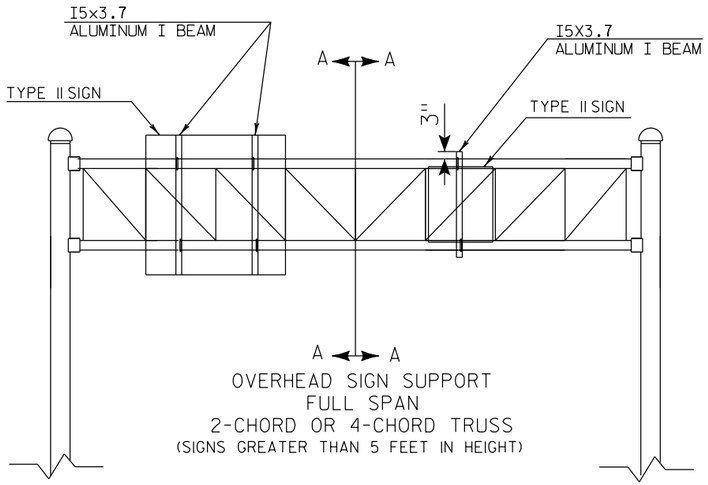
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

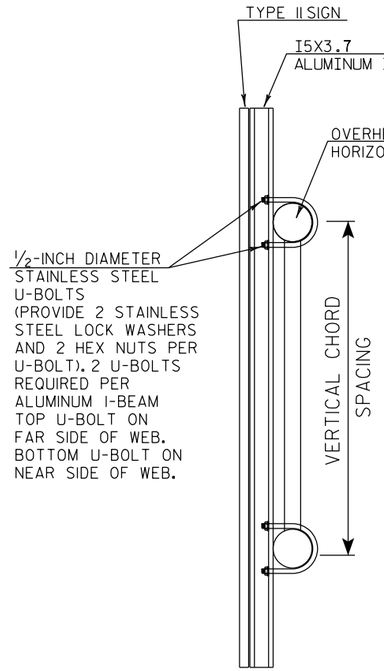
APPROVED Matthew R Rauch
For State Traffic Engineer

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

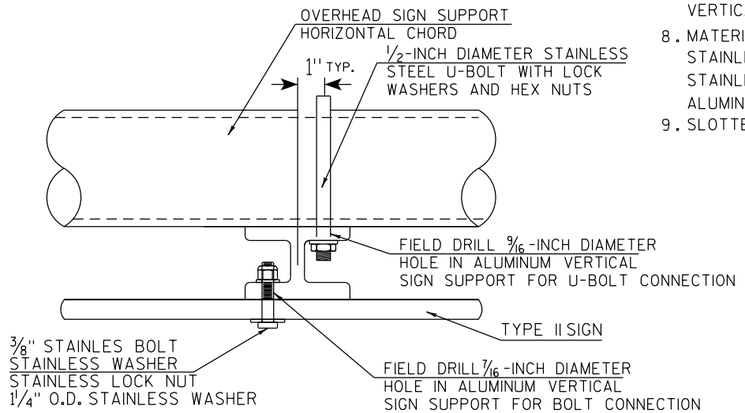
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 307	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



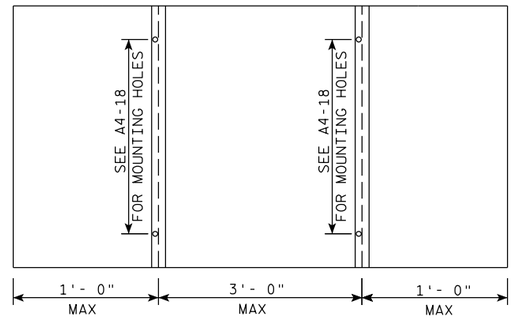
CUT SECTION A-A



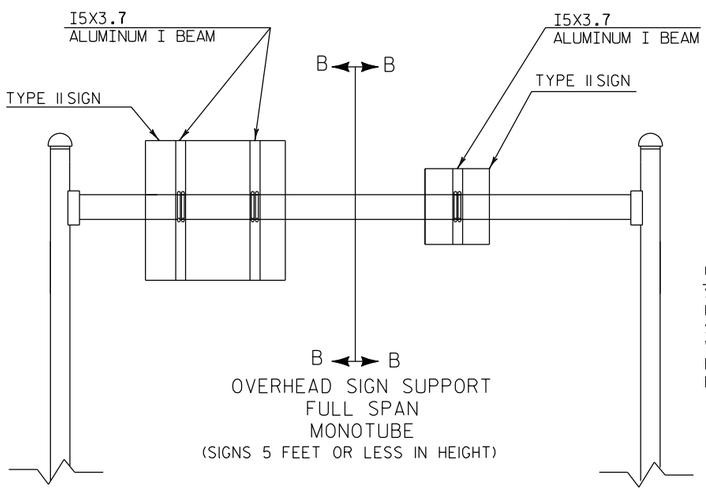
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

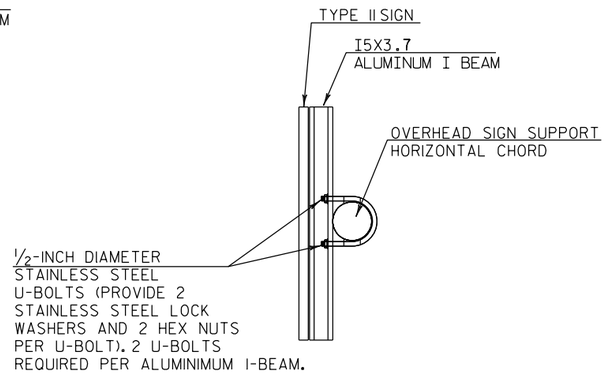
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



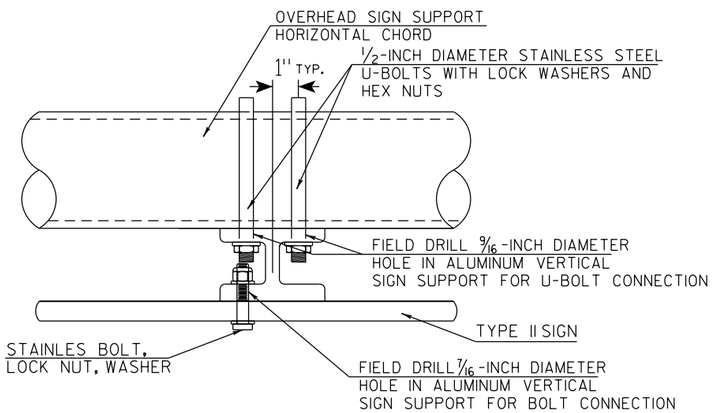
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



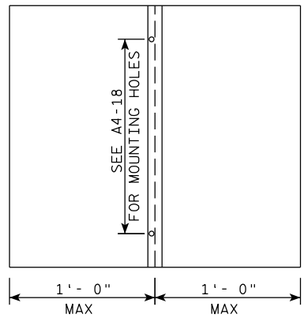
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

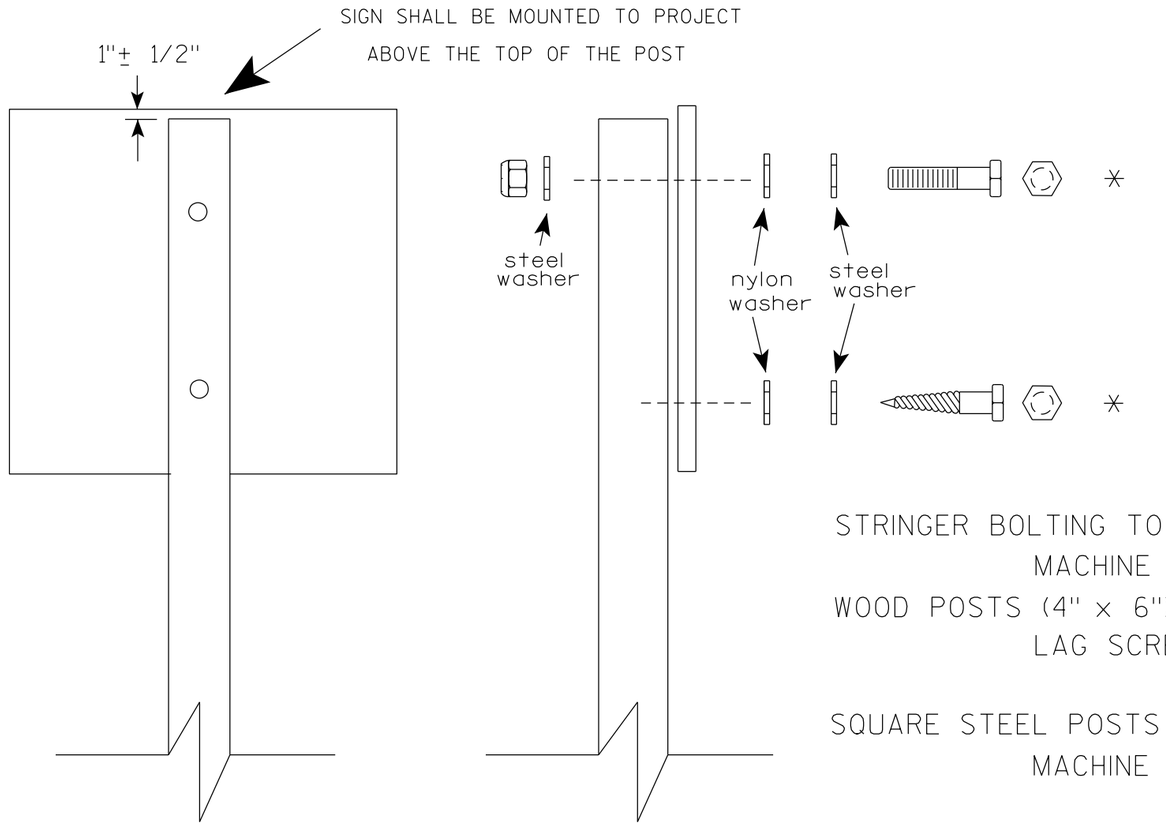
TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 308	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

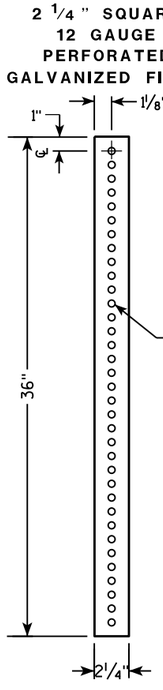
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

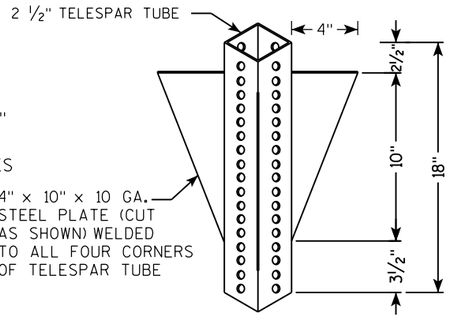
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

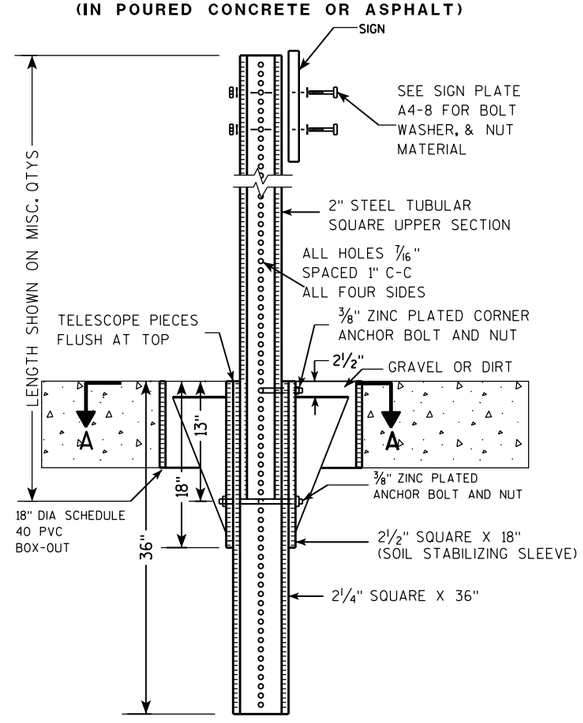
2 ¼ " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



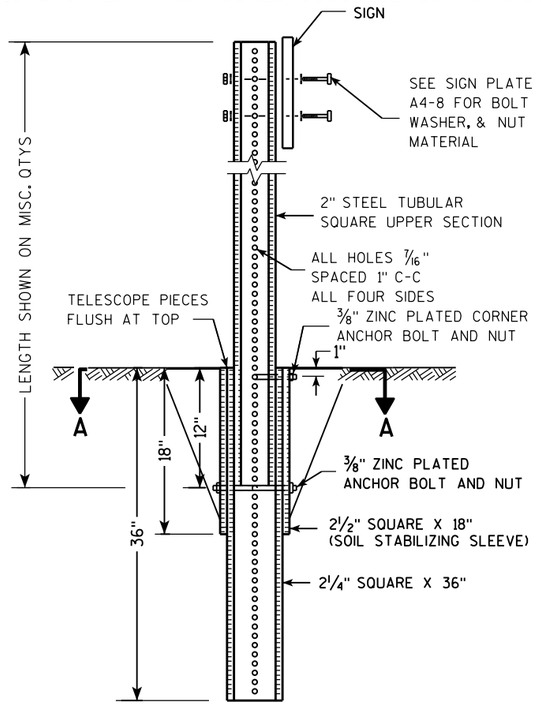
2 ½ " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

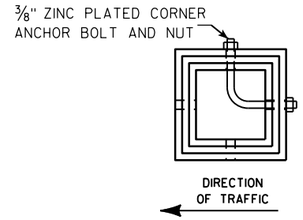


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

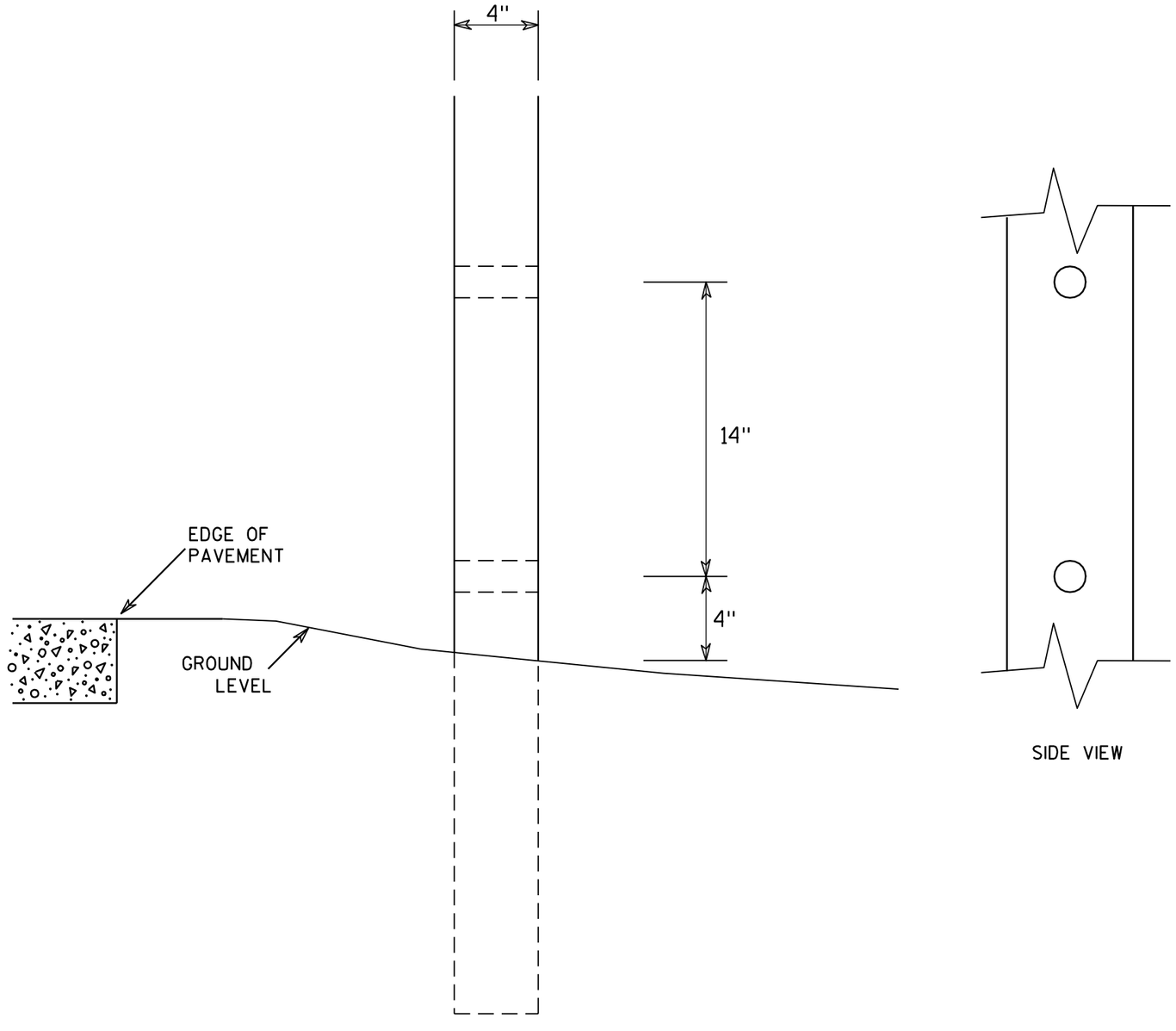
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 310 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

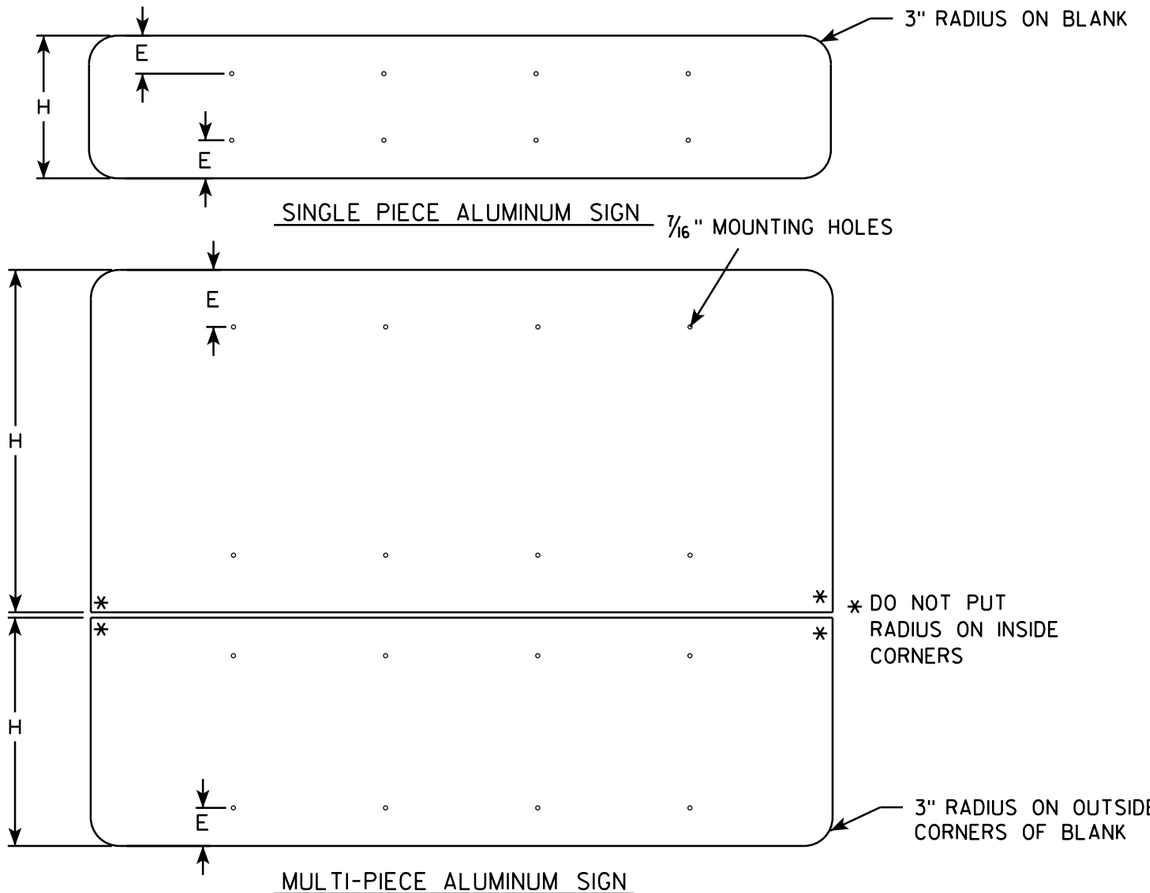
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

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

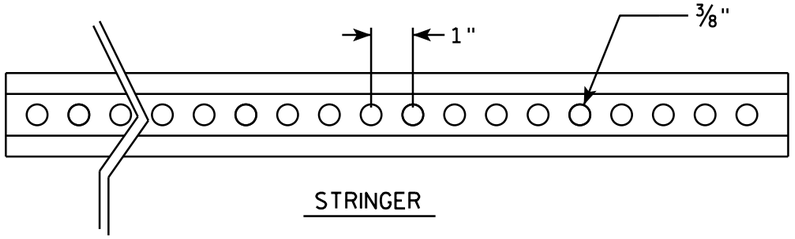
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 311	E



GENERAL NOTES

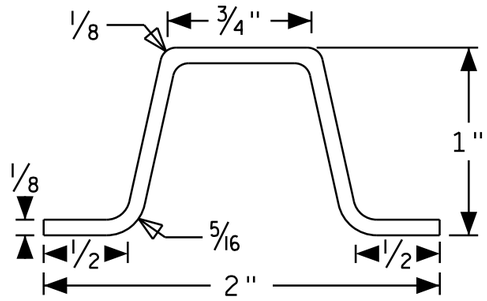
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

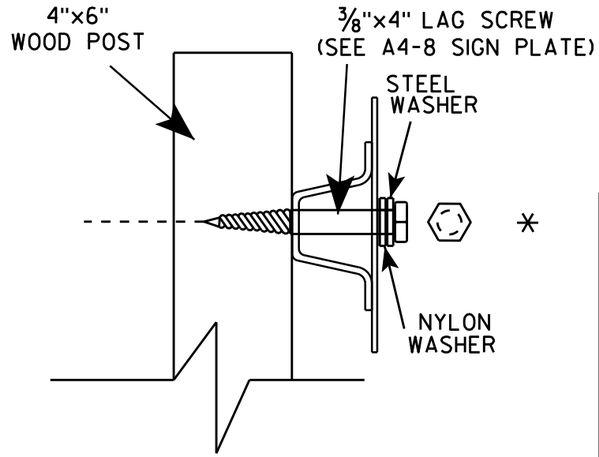


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

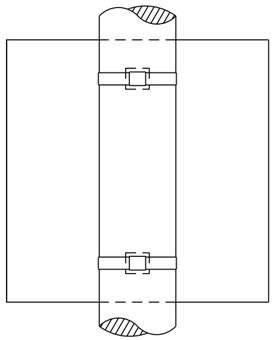
DATE 4/26/16 PLATE NO A4-18.1

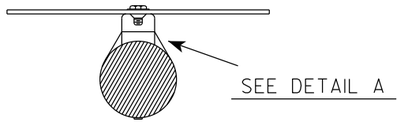
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

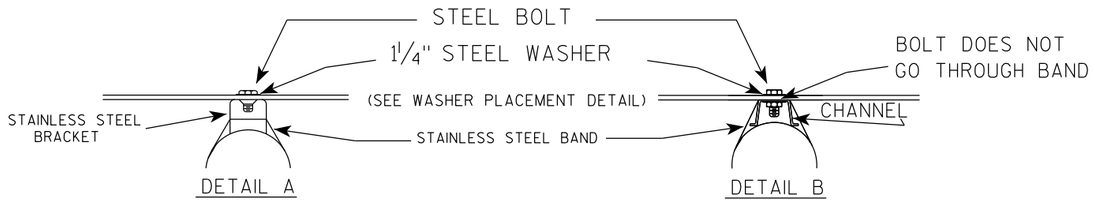
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BANDING

SINGLE SIGN



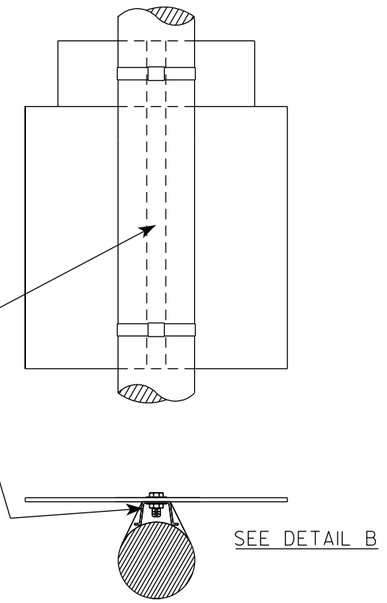




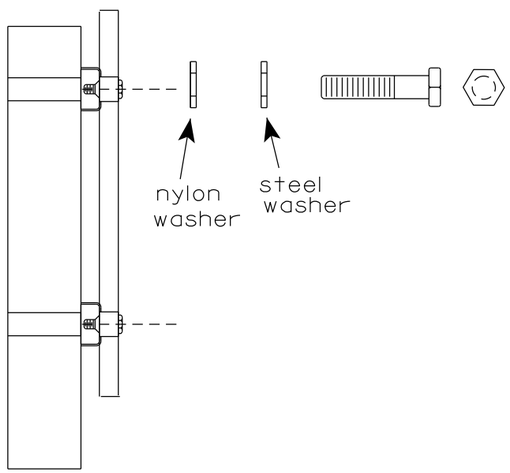
GENERAL NOTES

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

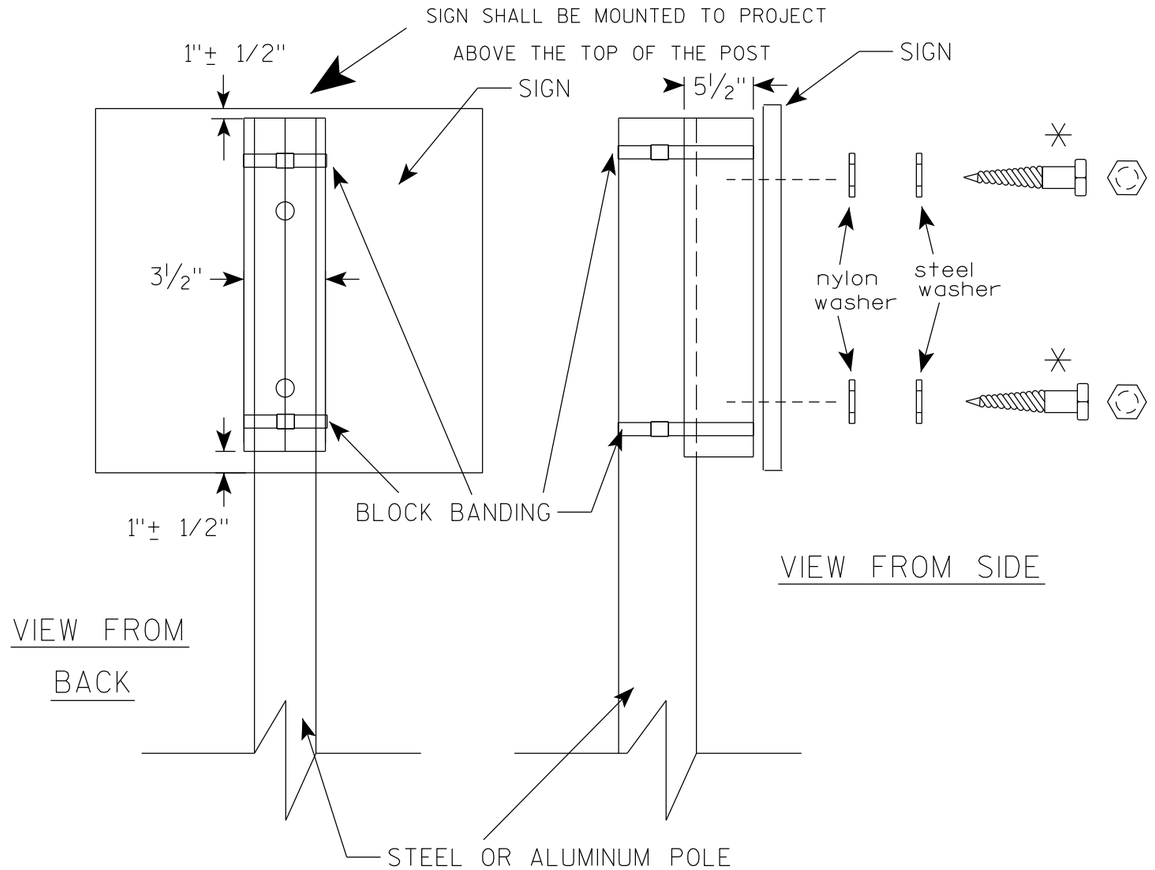
WISCONSIN DEPT OF TRANSPORTATION

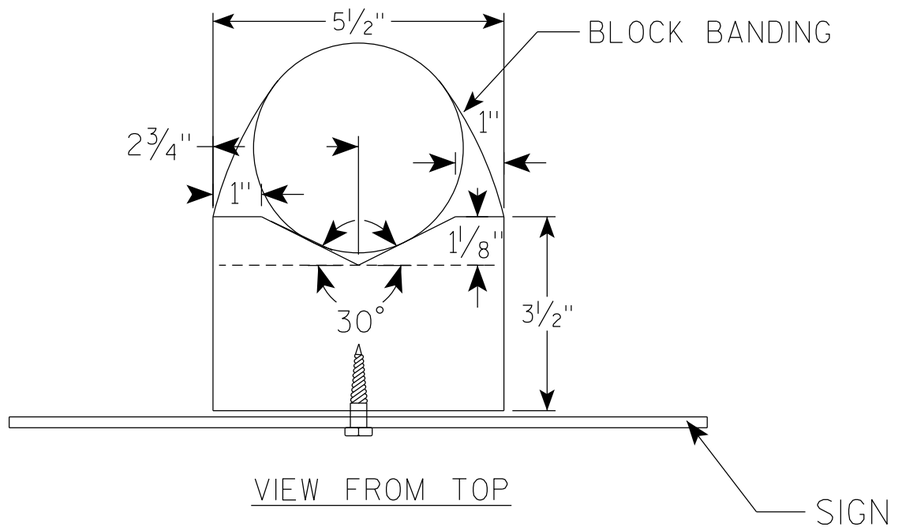
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 313	E

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





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"

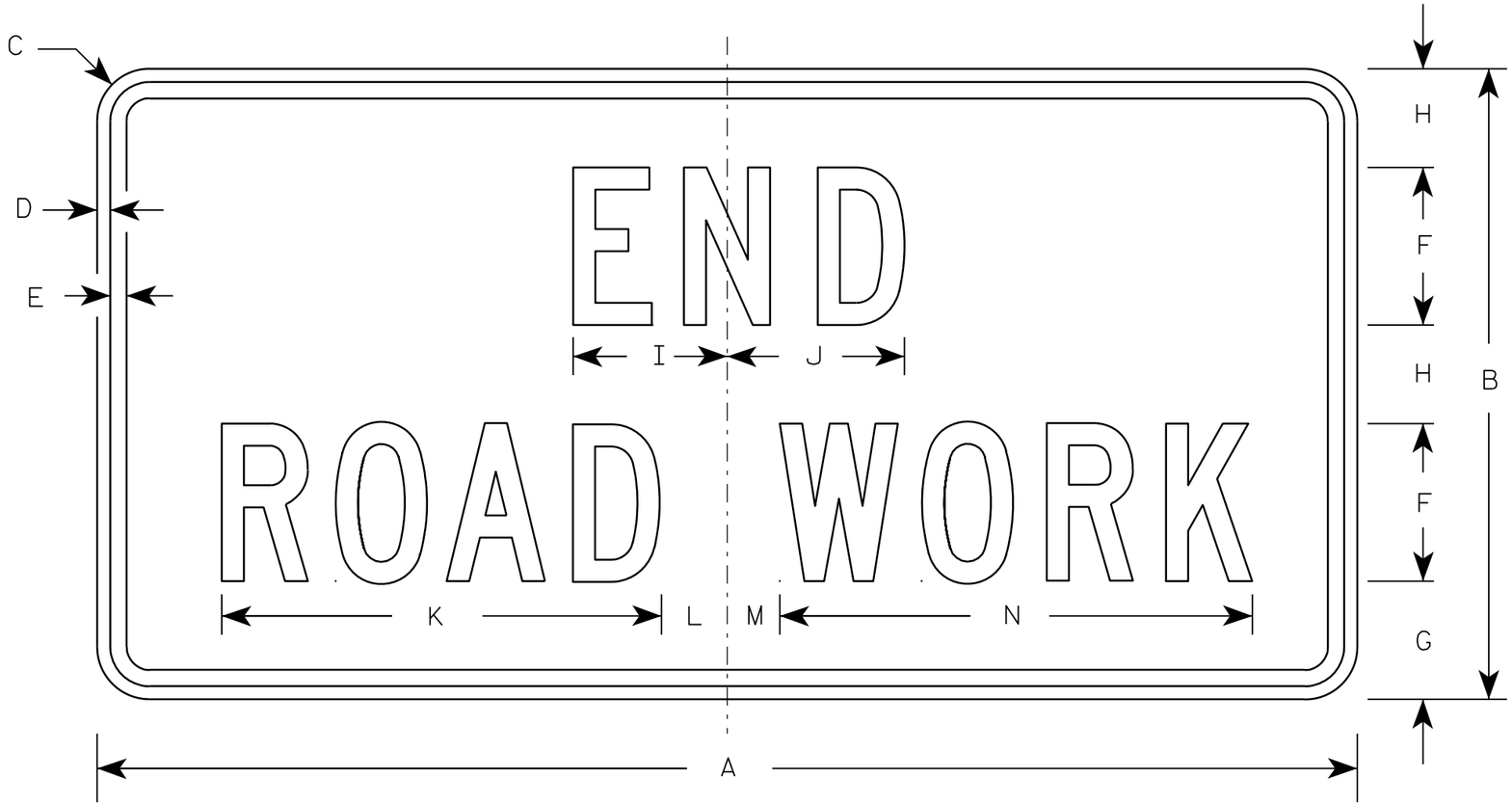
BLOCK BANDING DETAIL (V-BLOCK OPTION)

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: 314	E



G20-2A

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

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

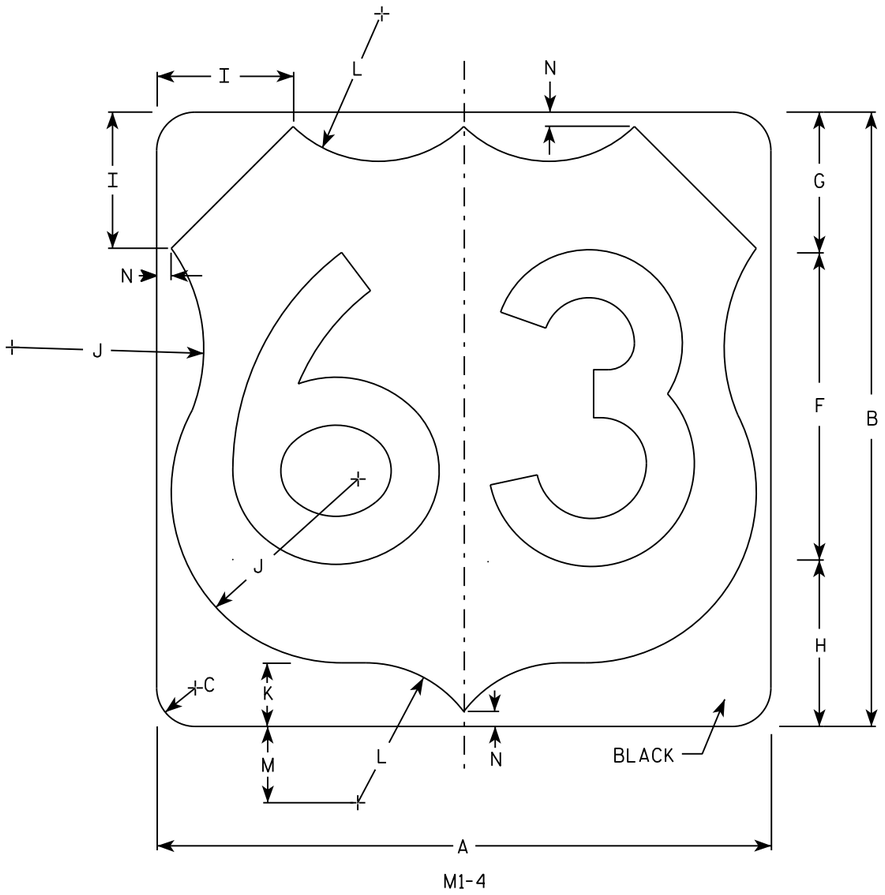
APPROVED Matthew R Rauch
for State Traffic Engineer

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

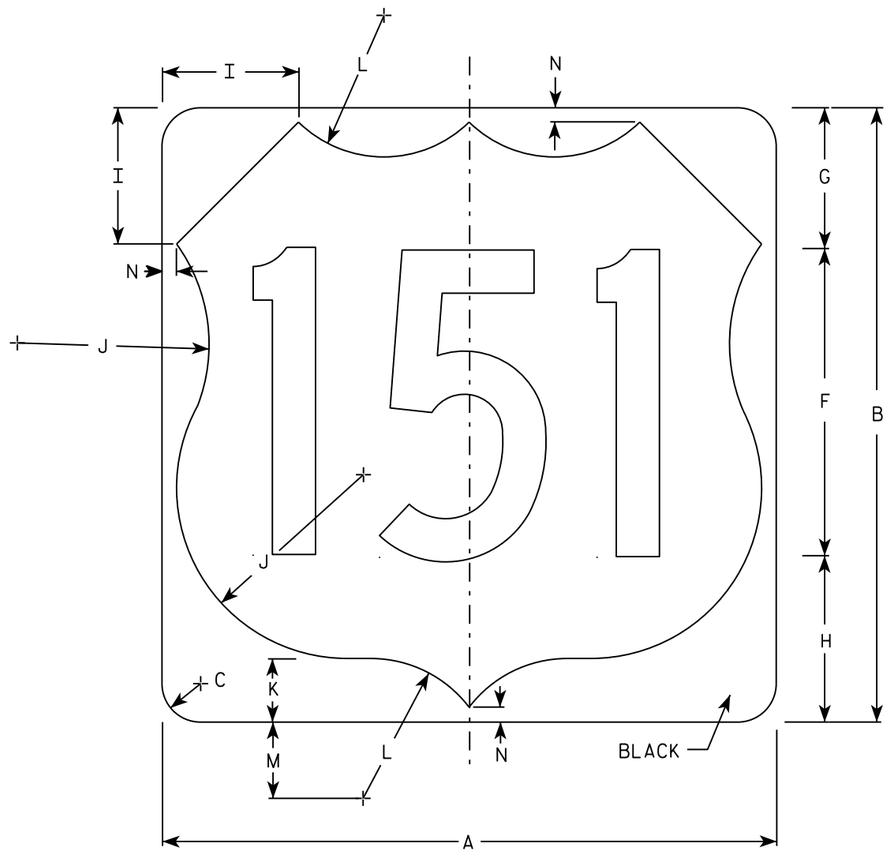
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 315	E

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.



M1-4



M1-4

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	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

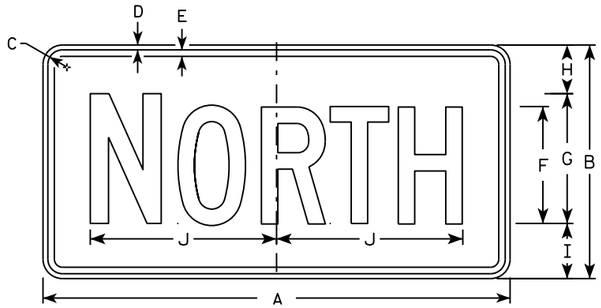
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

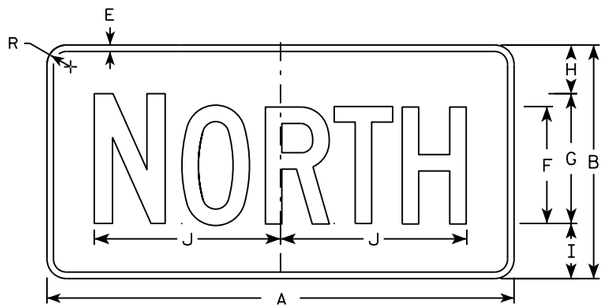
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 316	E



M3-1
MM3-1
MP3-1



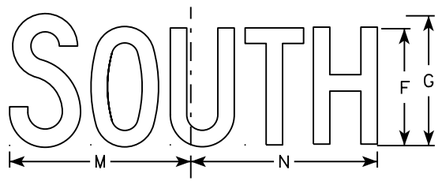
MB3-1
MK3-1
MN3-1



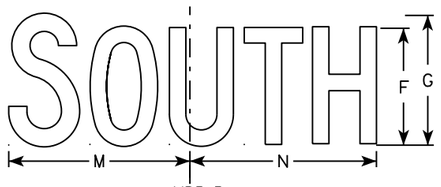
M3-2
MM3-2
MP3-2



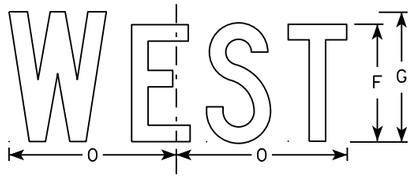
MB3-2
MK3-2
MN3-2



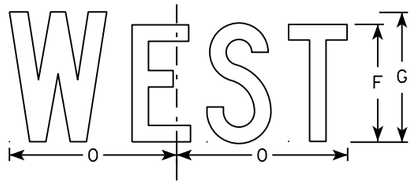
M3-3
MM3-3
MP3-3



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

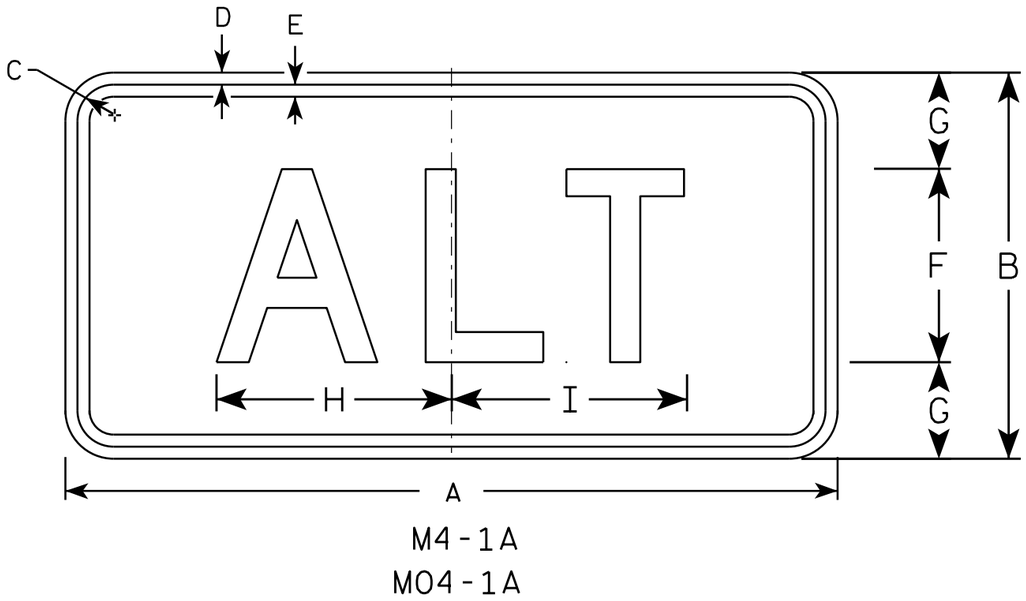
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



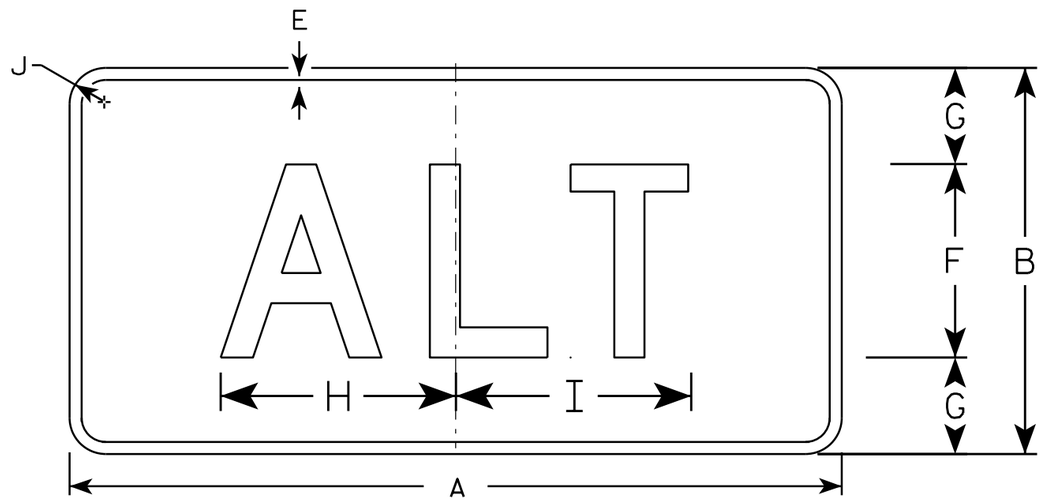
M4-1A
M04-1A

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See Note 5
   Message - See note 5
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. M4-1A Background - White
   Message - Black

   MB4-1A Background - Blue
   Message - White

   M04-1A Background - Orange - Type F
   Message - Black



MB4-1A

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	3	7 1/4	7 3/8	1 1/8																	2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	11	11 1/8	1 1/8																	4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	11	11 1/8	1 1/8																	4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	11	11 1/8	1 1/8																	4.5

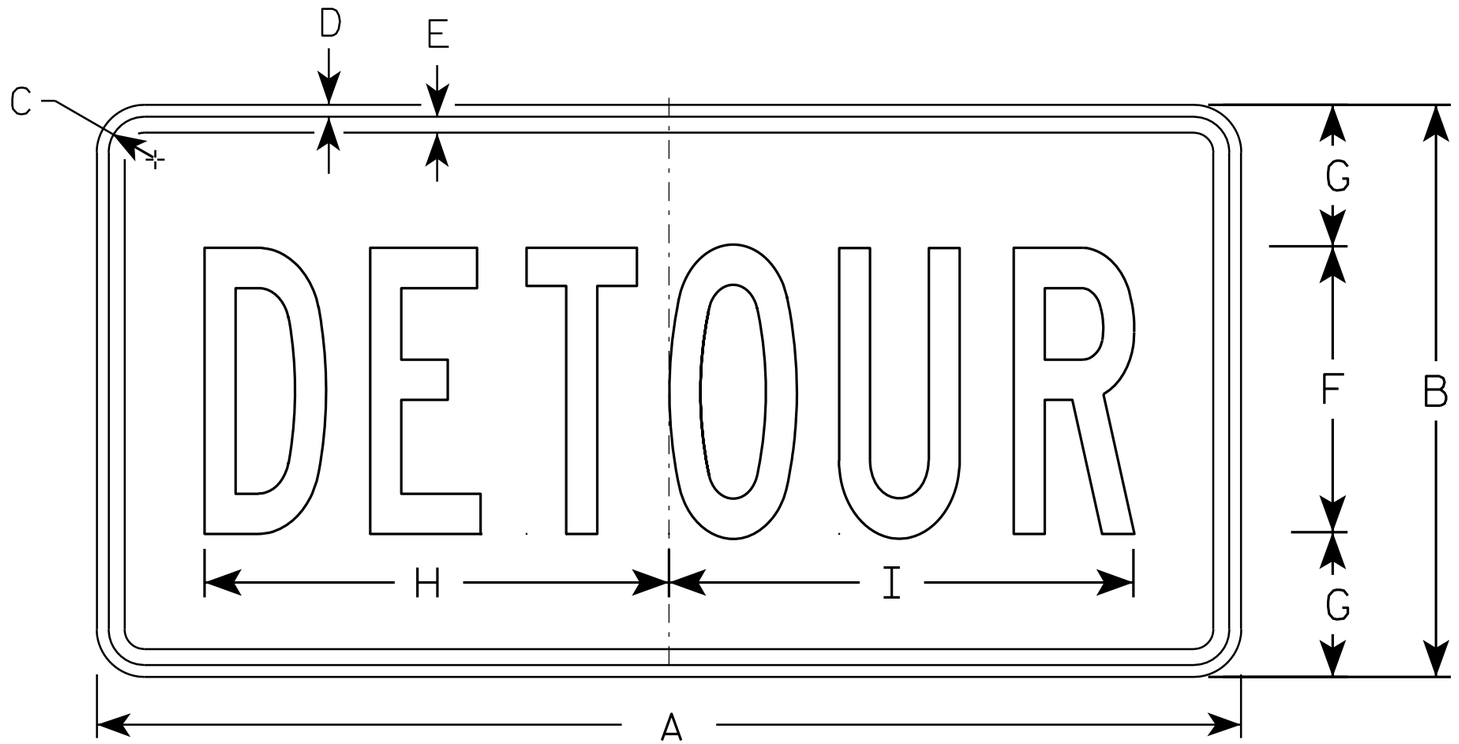
STANDARD SIGN
M4-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/30/14 PLATE 318 M4-1A.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M4-8

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 - B
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	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

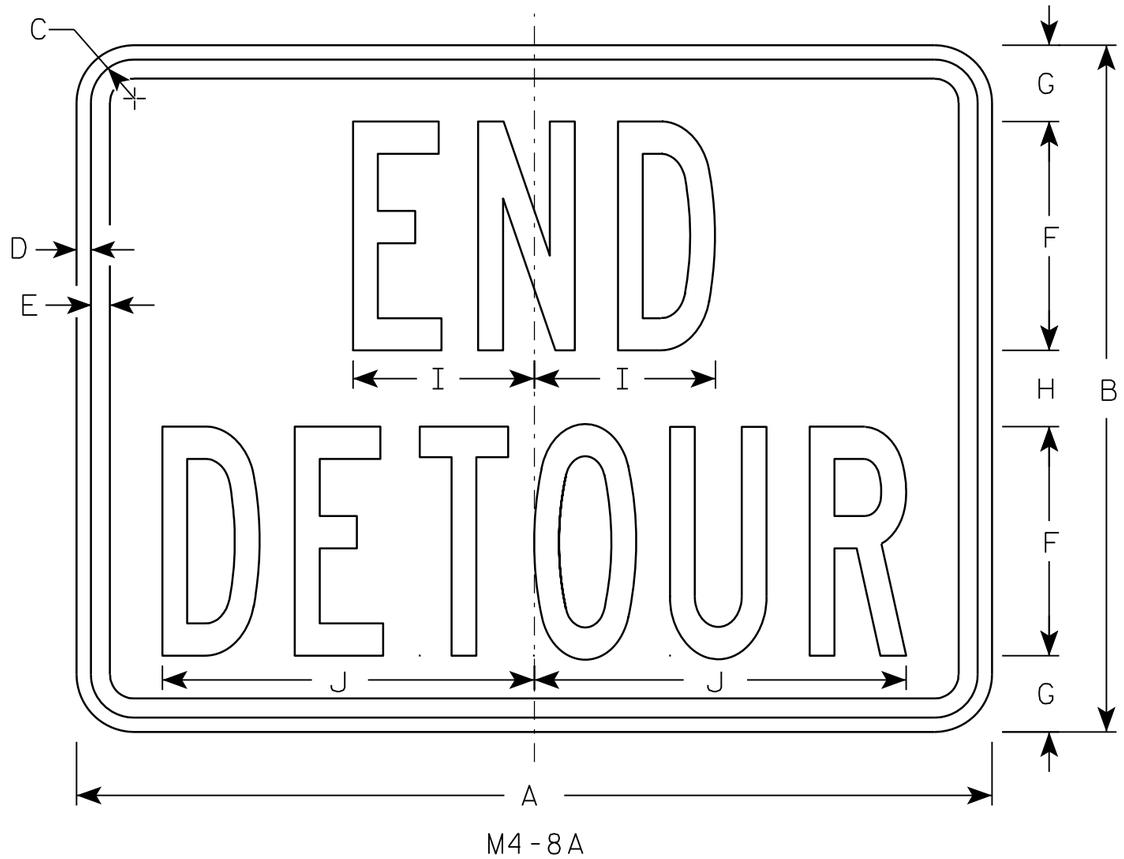
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 319	E



M4-8A

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 - B
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	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

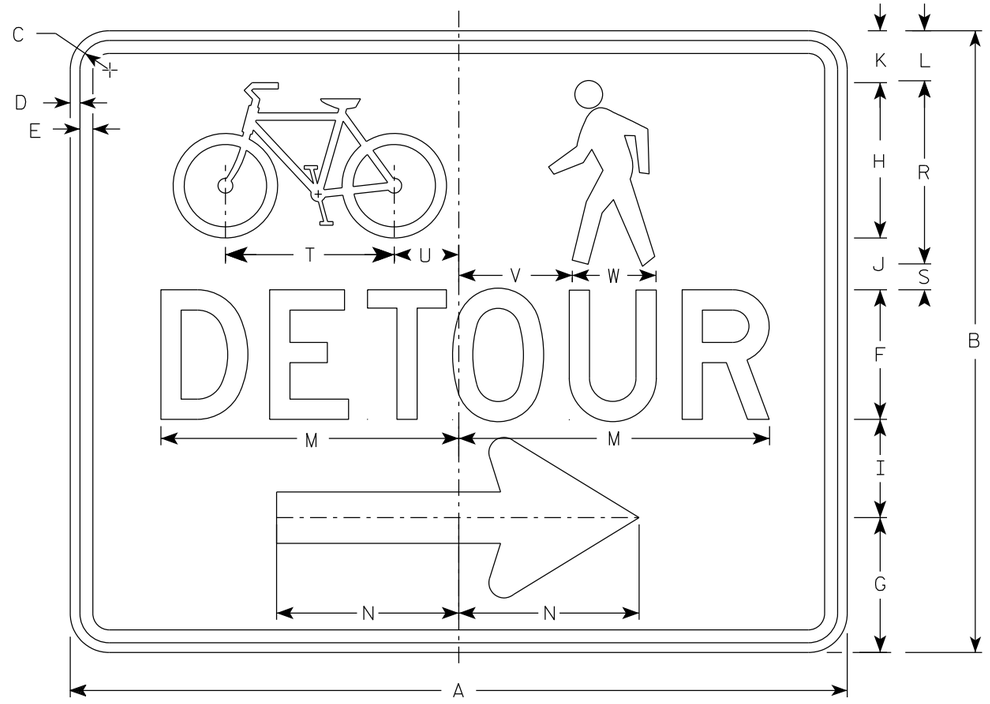
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

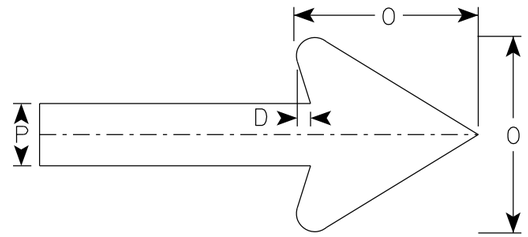
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E



M4-9AR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9AL is the same as M4-9AR except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

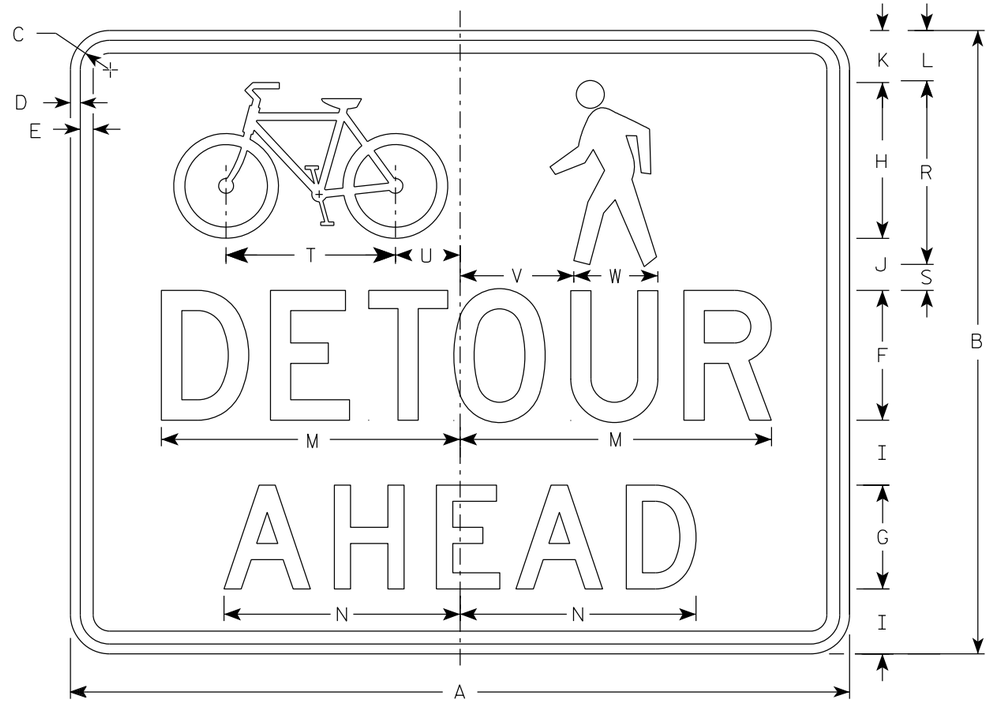
STANDARD SIGN
M4-9A L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/2/19 PLATE NO. M4-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 321 | E



M4-9AA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	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	30	24	1 1/8	3/8	1/2	5	4	6	2 1/2	2	2	1 7/8	11 3/4	9 1/8				7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

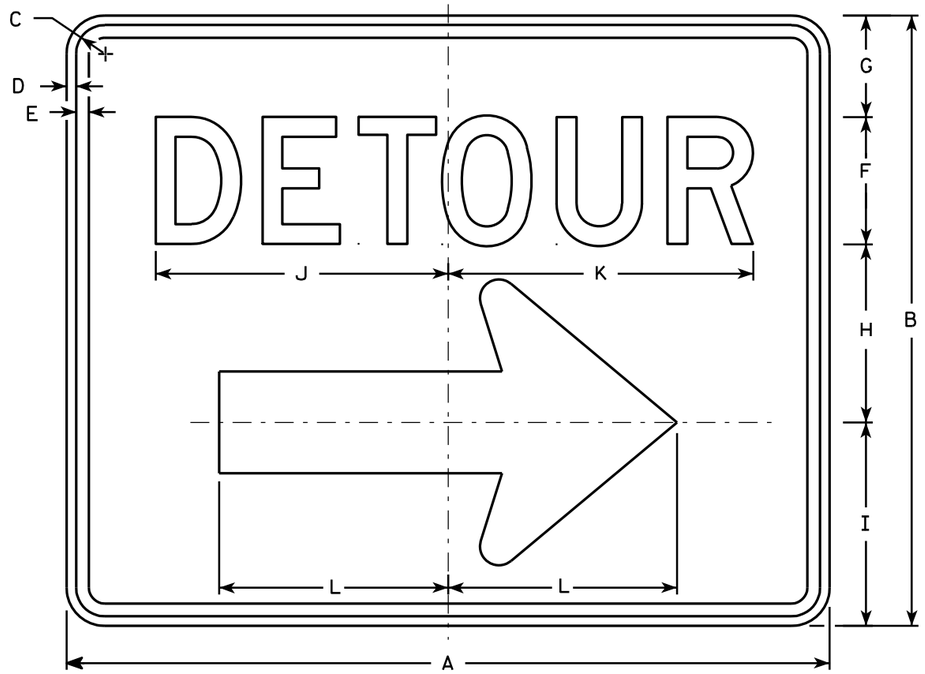
STANDARD SIGN
M4-9AA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/7/2020 PLATE NO. M4-9AA.1

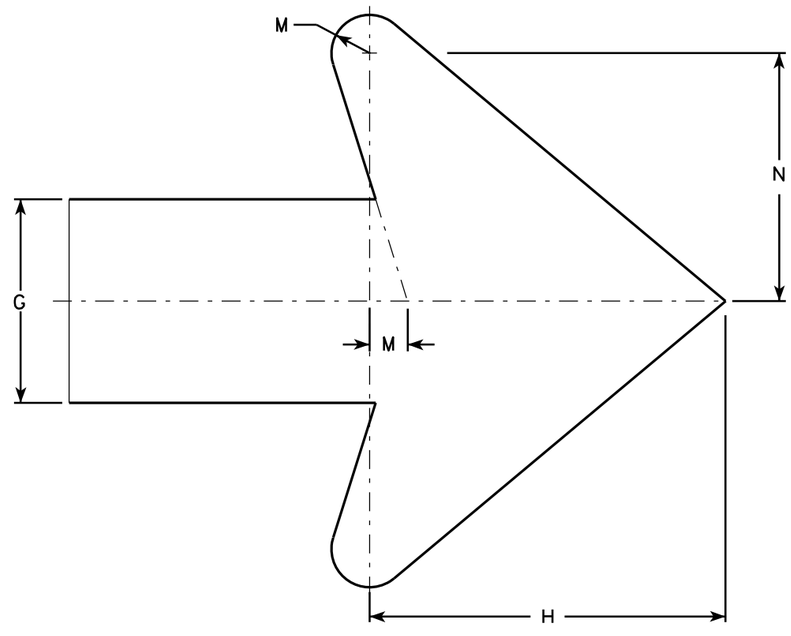
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 322	E



M4-9R

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 - 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. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

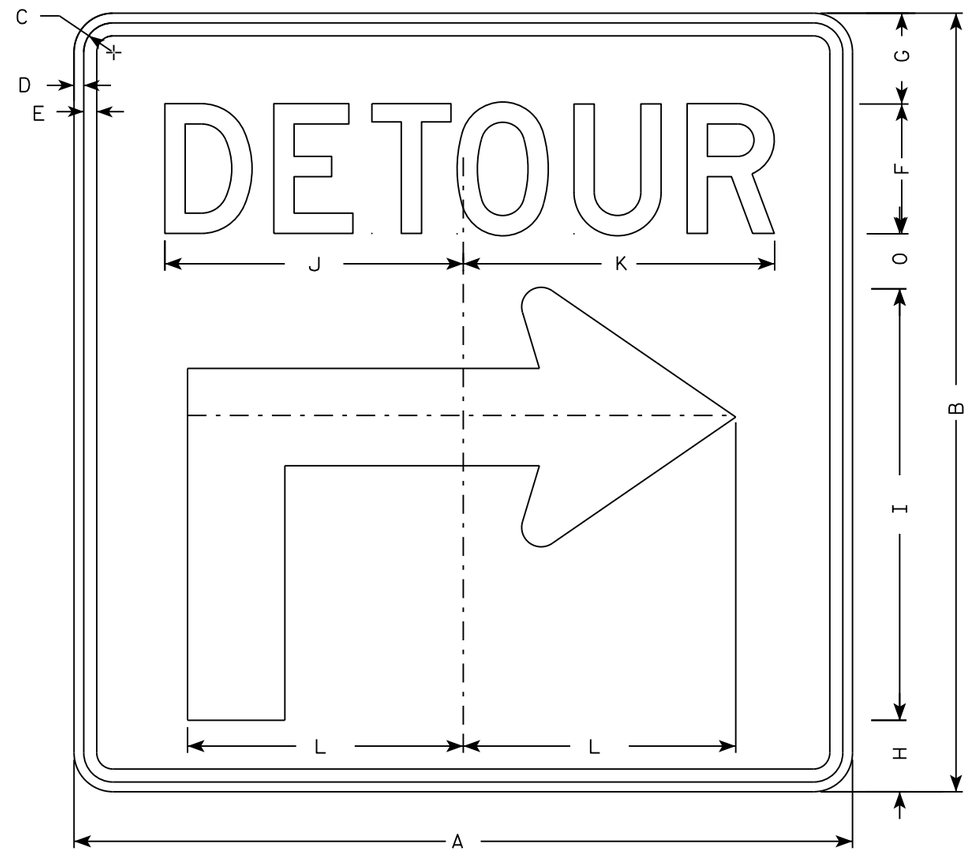
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

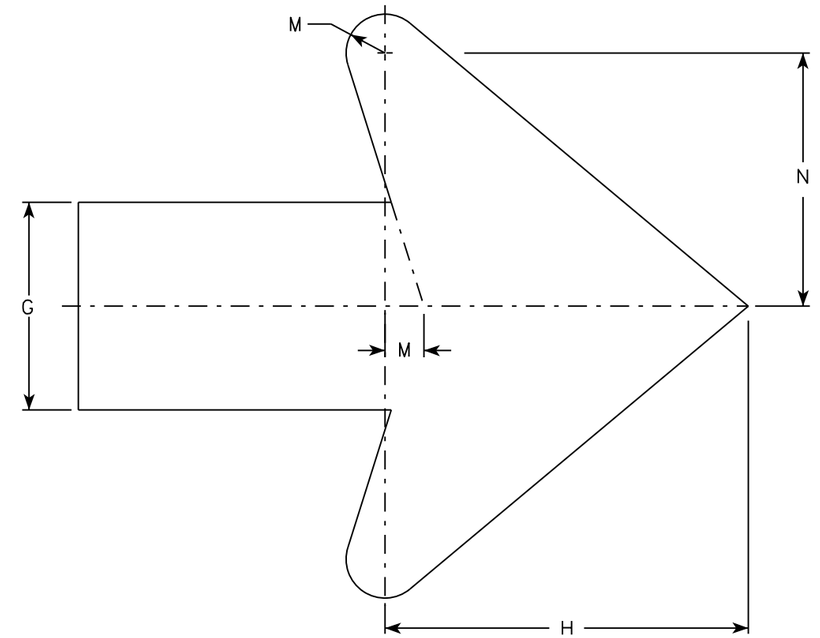
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 323 | E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown when base material is metal.
5. M4-59L is the same as M4-59R except the arrow is reversed.



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																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

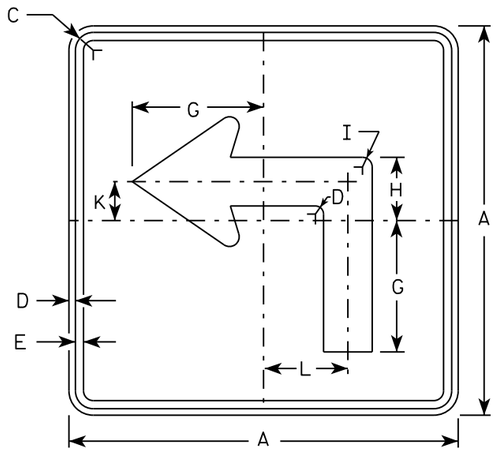
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

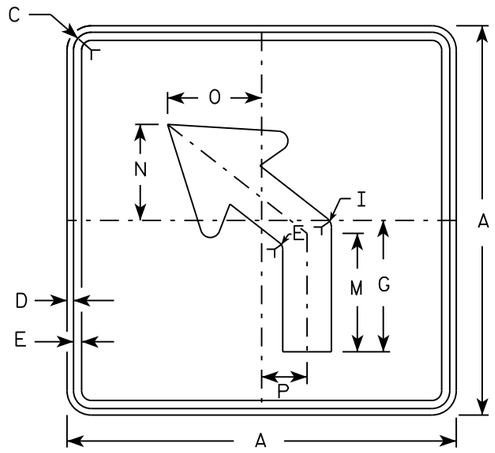
DATE 11/10/15 PLATE M4-59.1

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

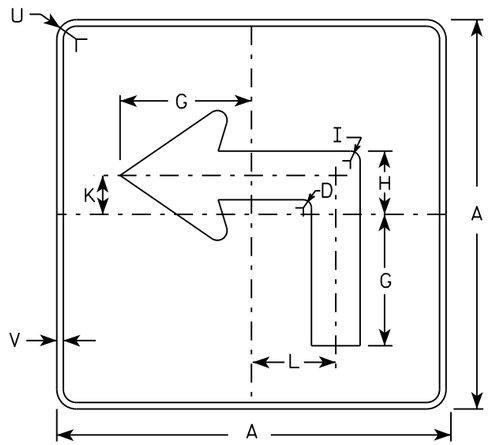
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



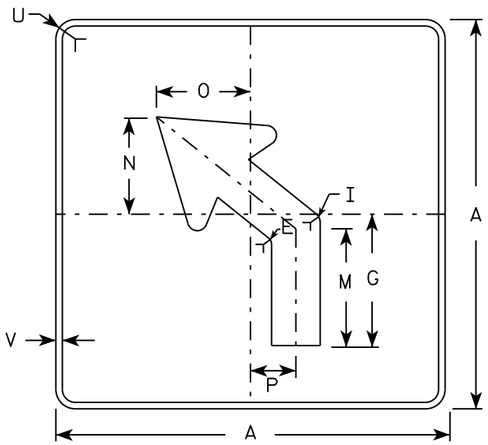
M5-1L
MM5-1L
MO5-1L
MP5-1L



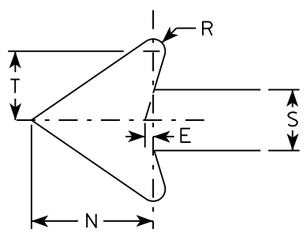
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

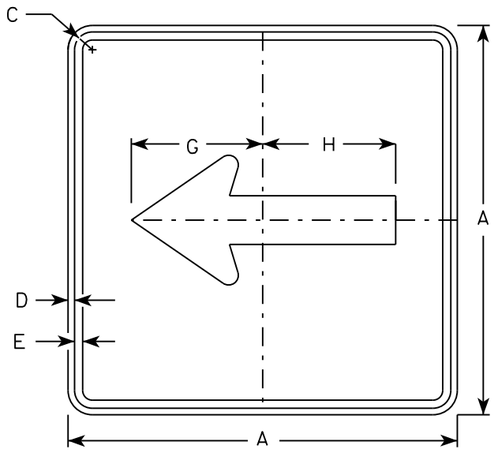
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

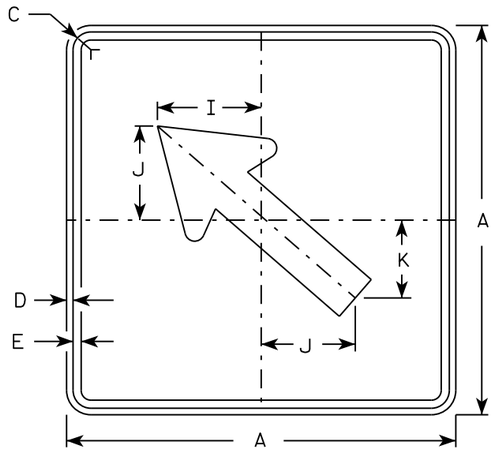
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



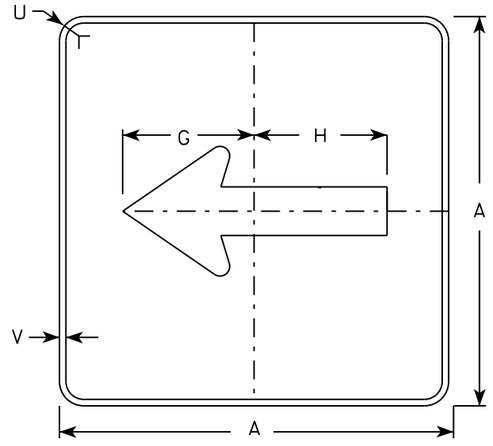
M6-1
MM6-1
MO6-1
MP6-1



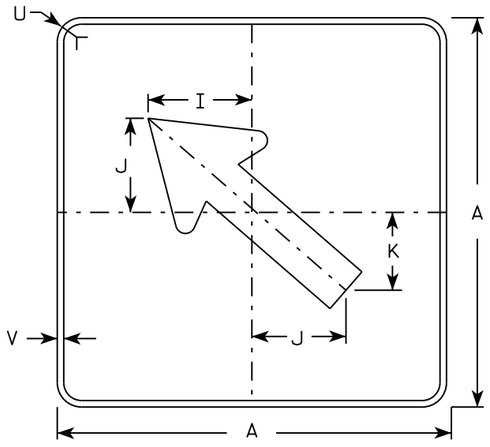
M6-2
MM6-2
MO6-2
MP6-2

NOTES

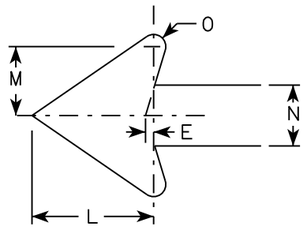
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

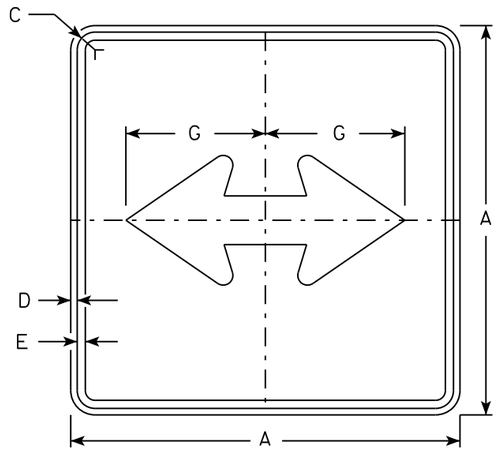
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

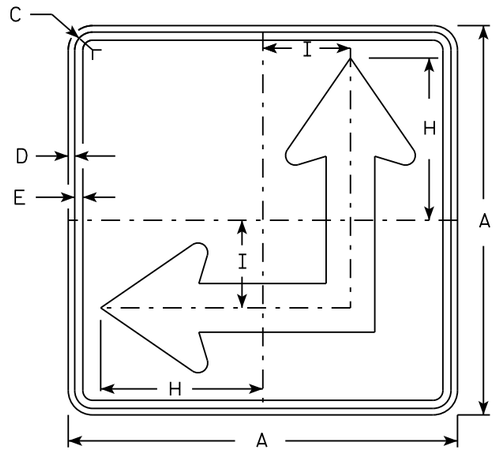
DATE 10/15/15 PLATE 326 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



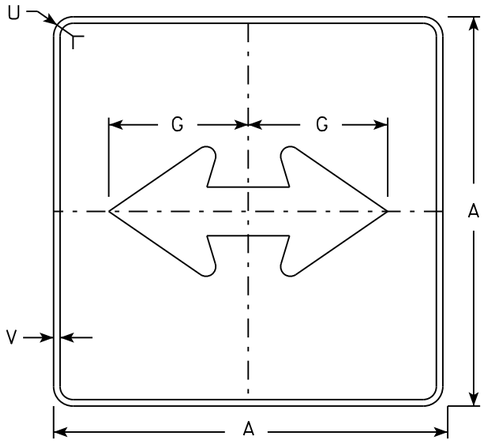
M6-4
MM6-4
MO6-4
MP6-4



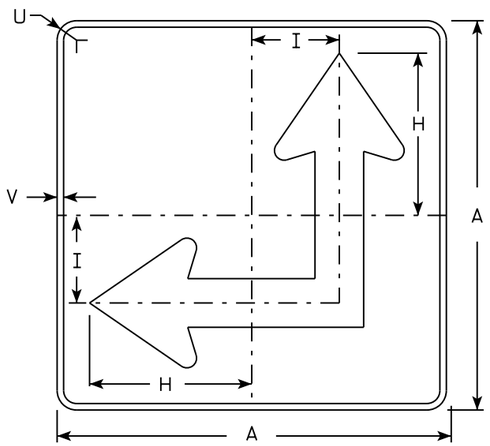
M6-6
MM6-6
MO6-6
MP6-6

NOTES

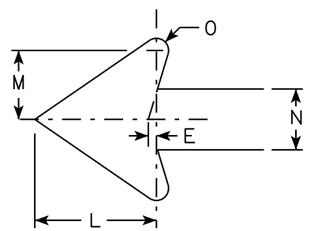
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



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	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

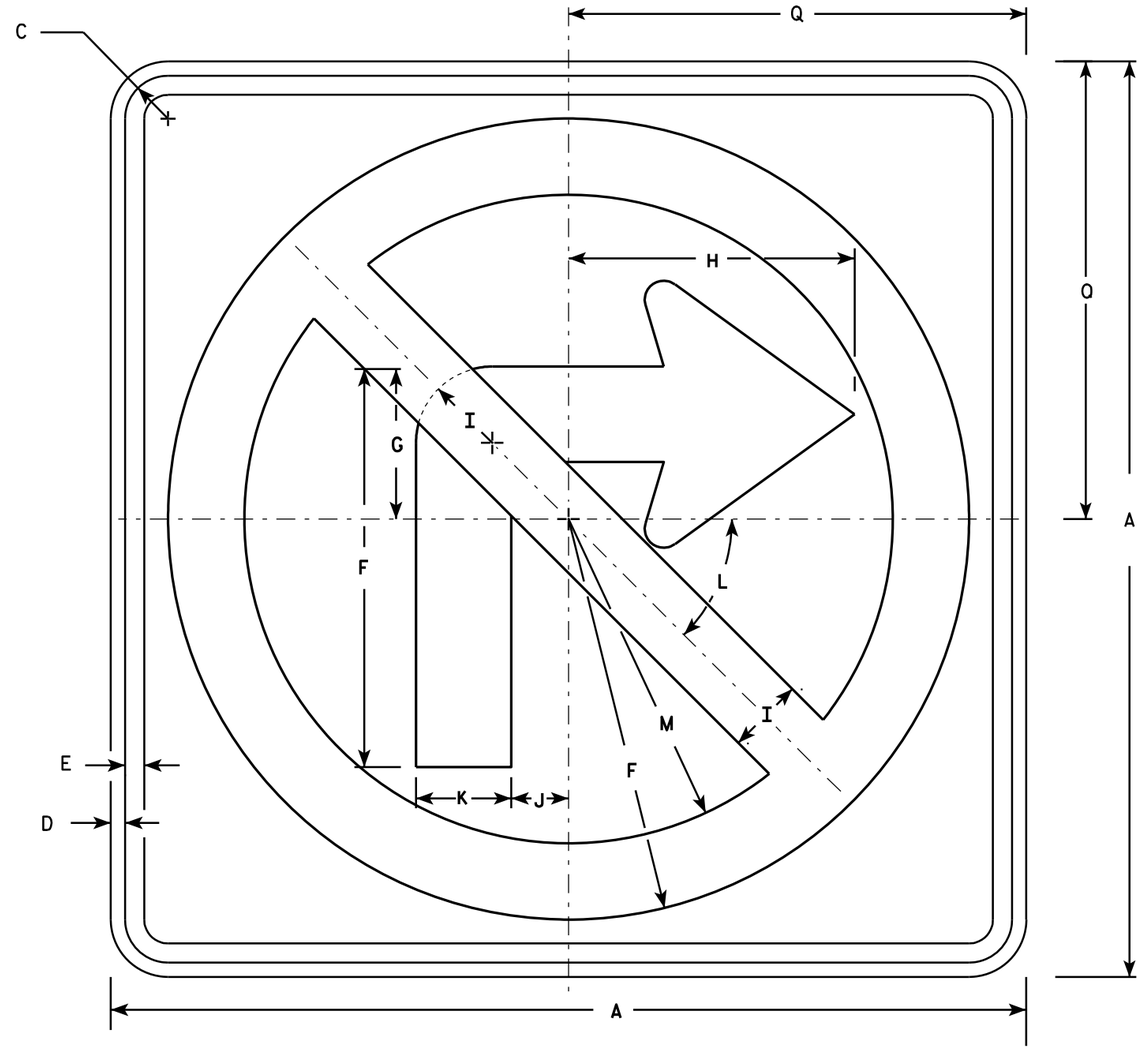
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 327 M6-4.10

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

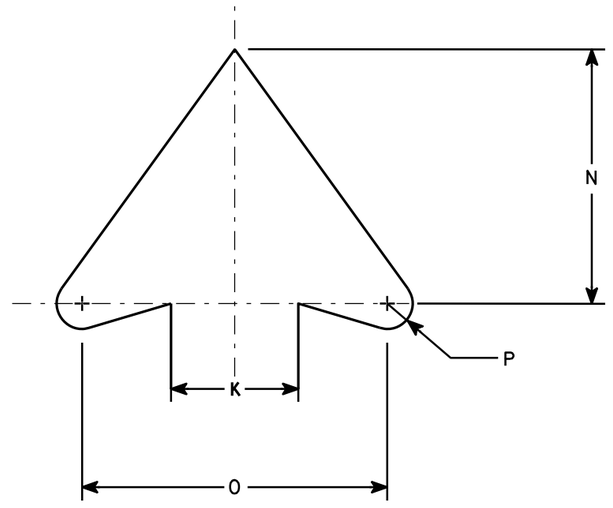
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R3-1

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

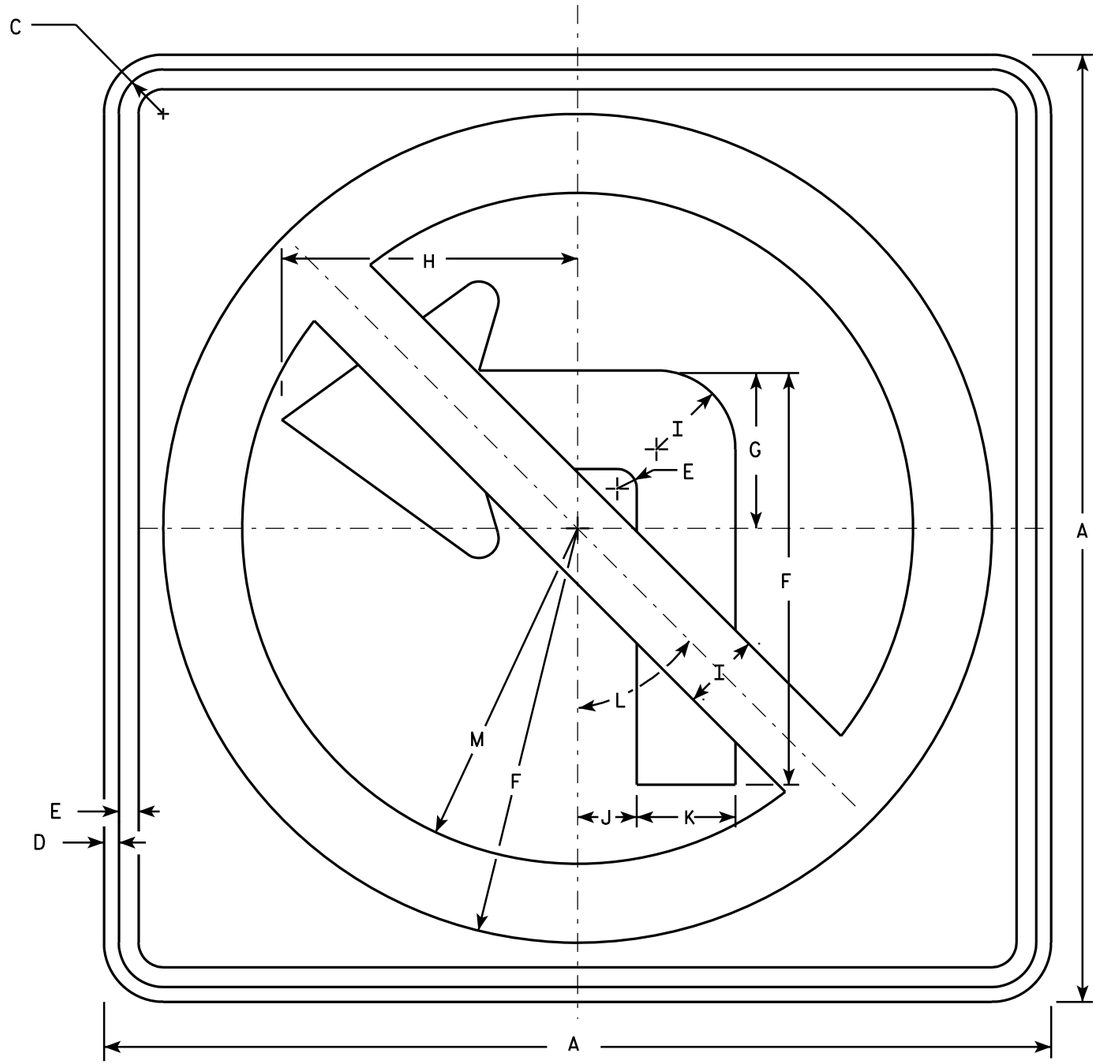
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

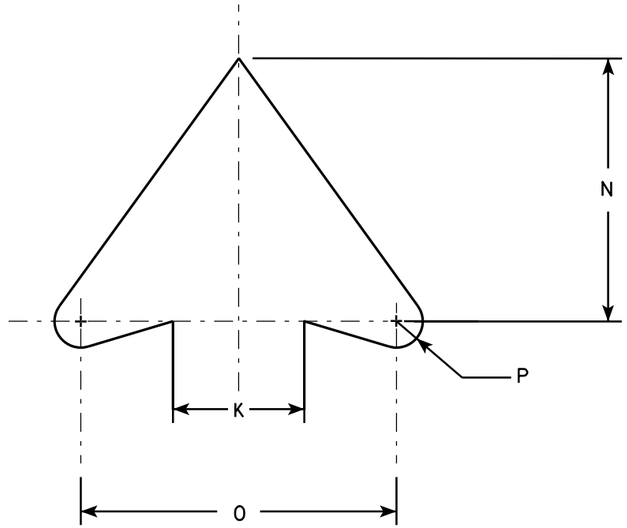
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 328	E



R3-2

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

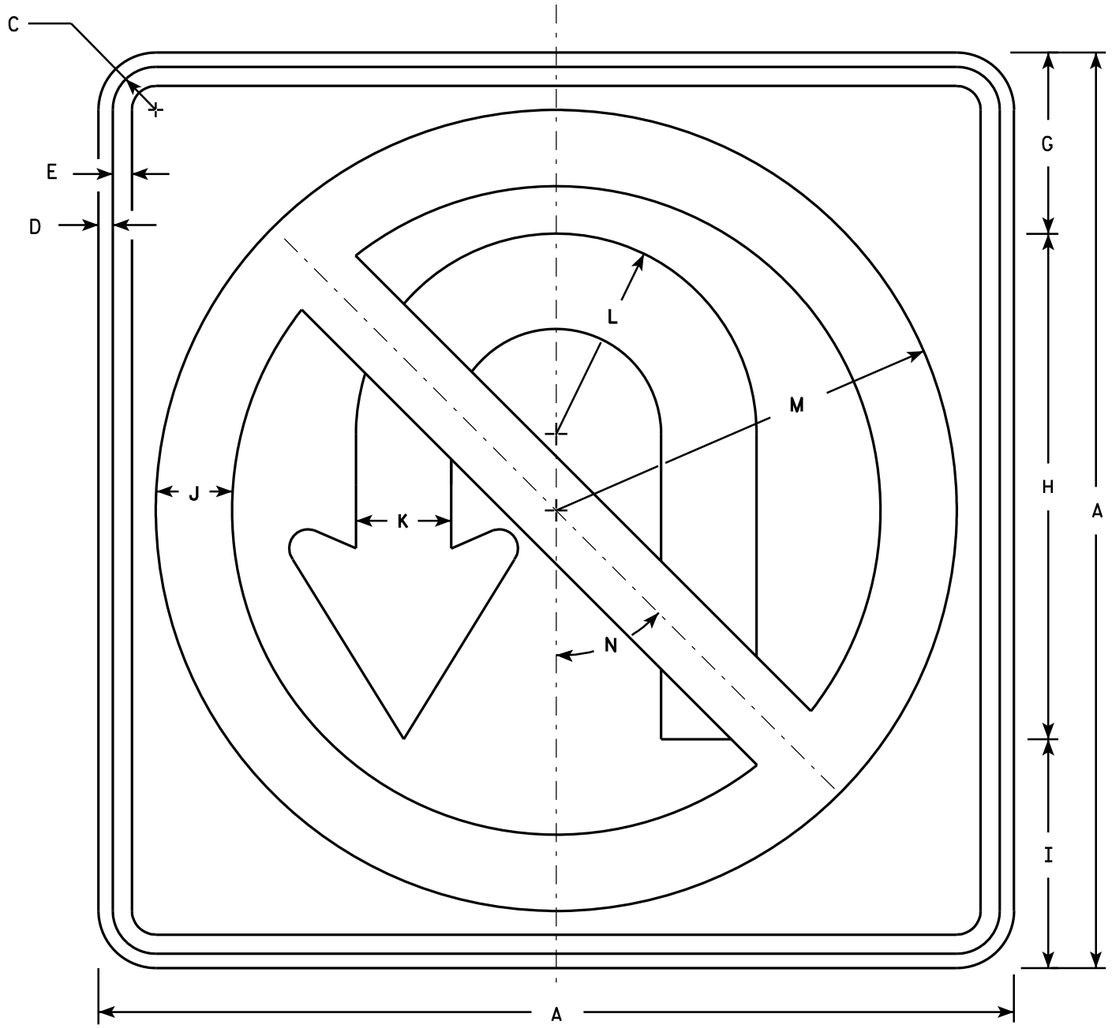
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

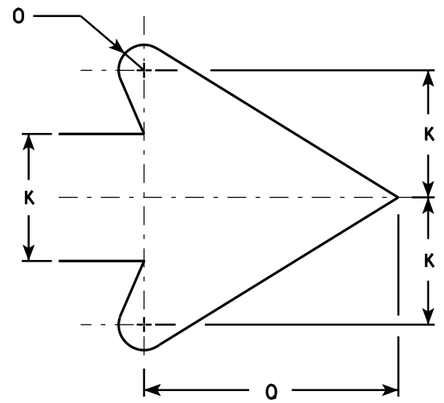
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 329	E



R3-4

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

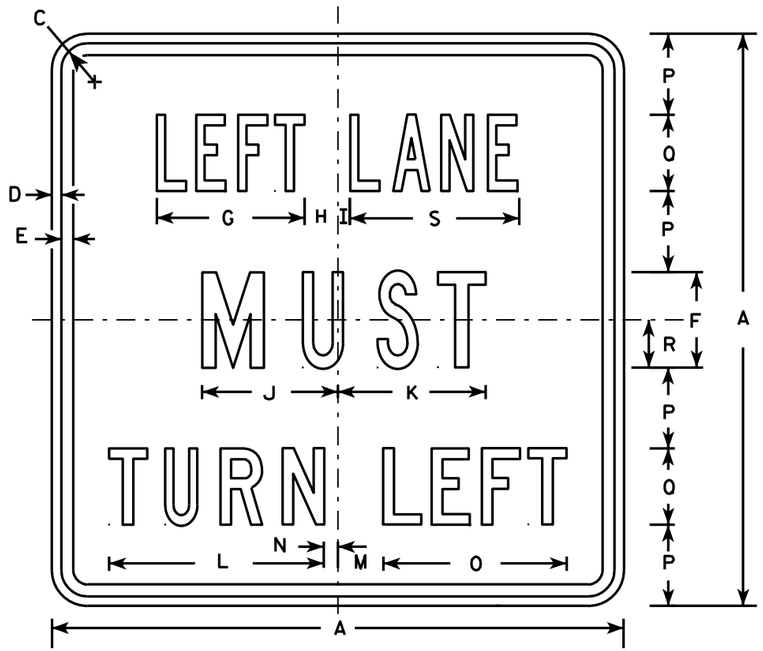
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

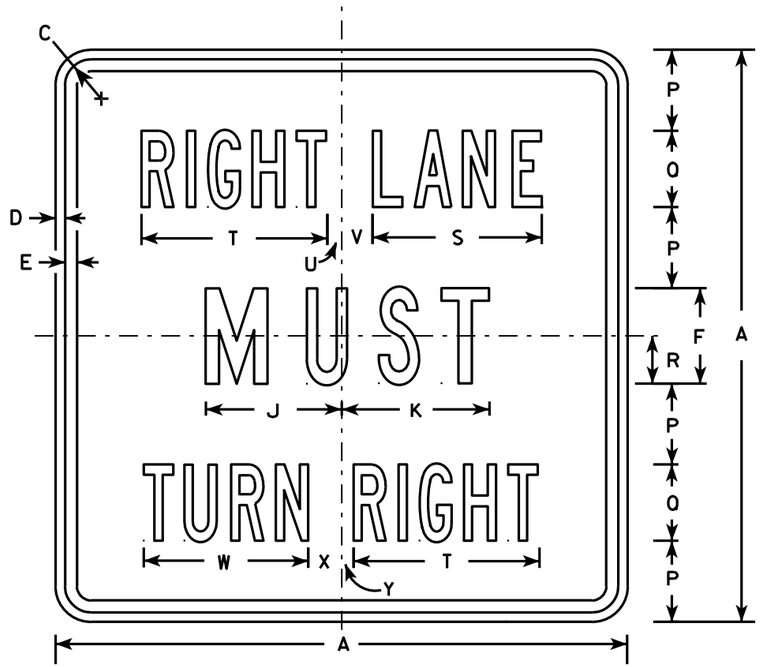
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 330	E



R3-7L



R3-7R

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 - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
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	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

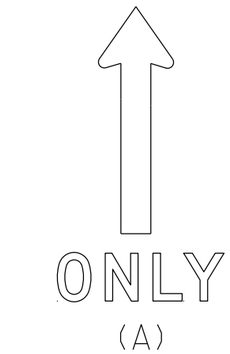
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

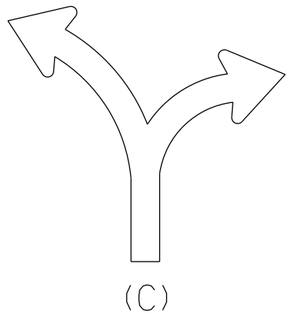
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 331	E

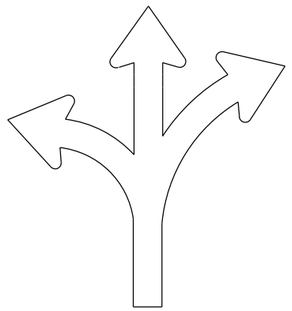


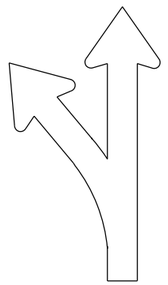
(A)

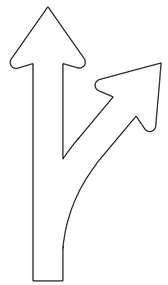


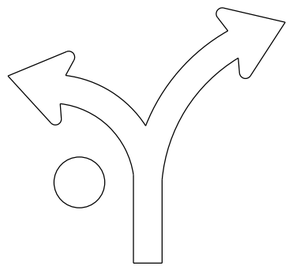
(B)

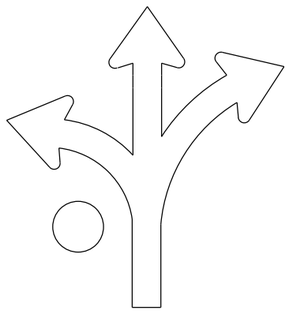

(C)


(D)


(E)


(F)

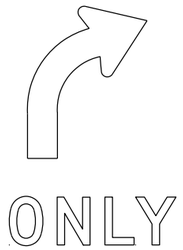

(G)


(H)

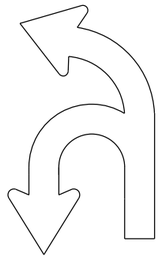

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

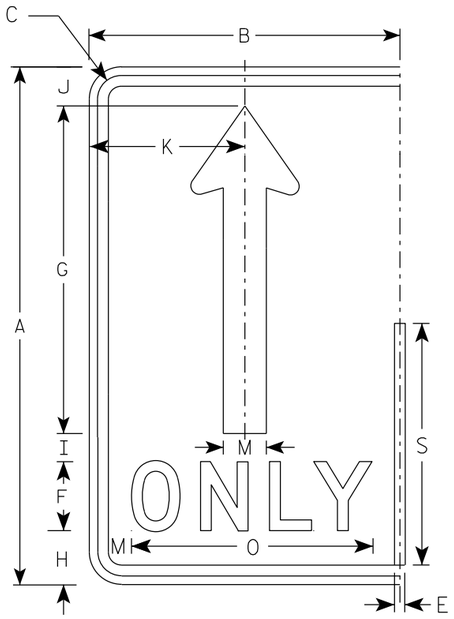
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

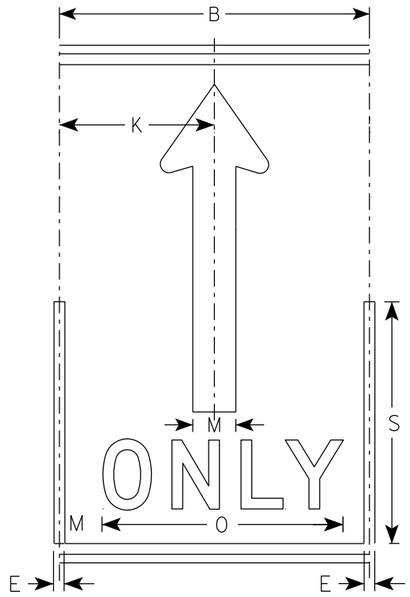
DATE 5/21/19 PLATE NO. R3-8.1

NOTES

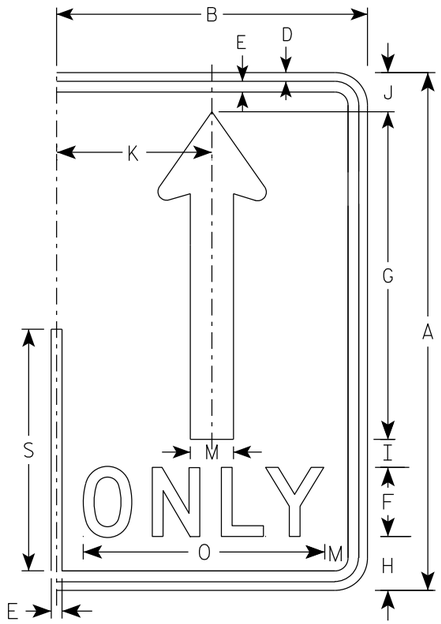
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



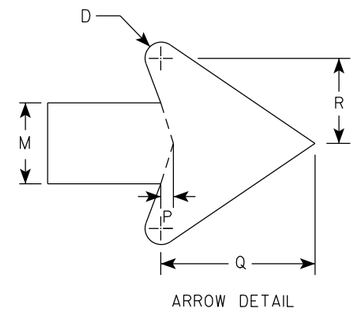
(A)



(A)



(A)



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	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

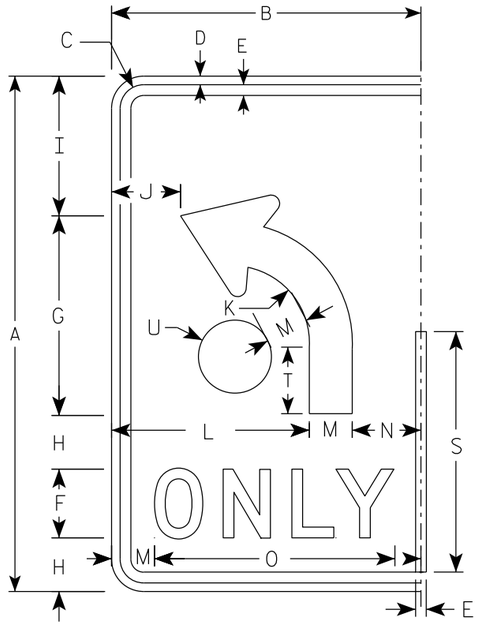
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

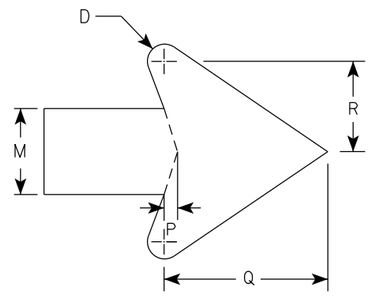
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

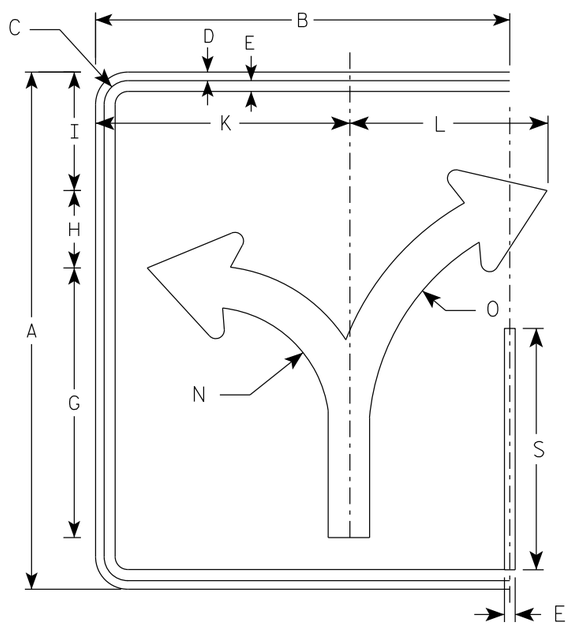
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

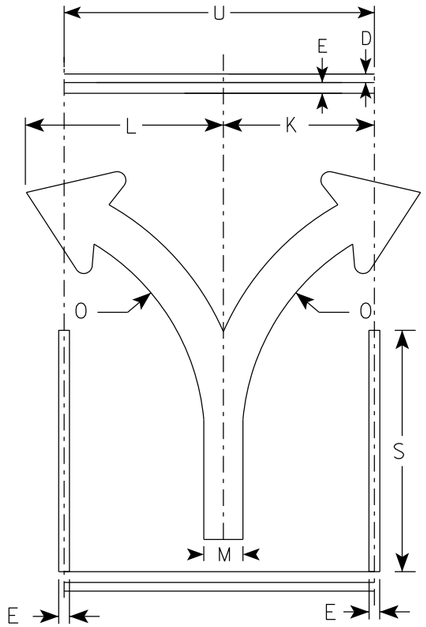
SHEET NO: 334 E

NOTES

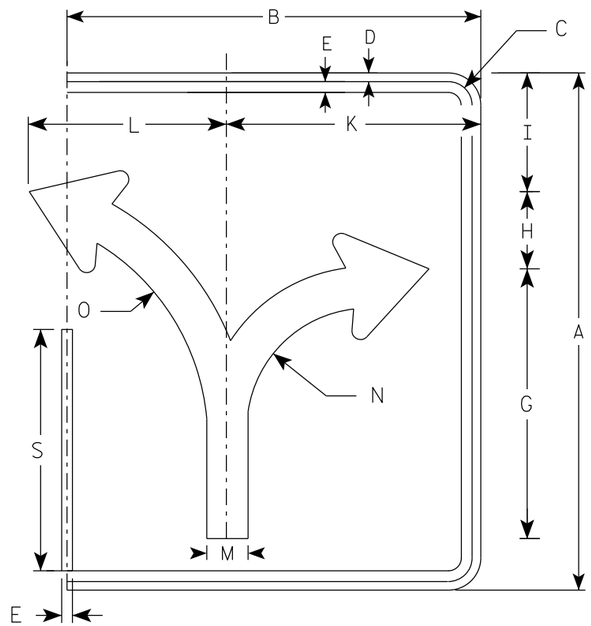
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



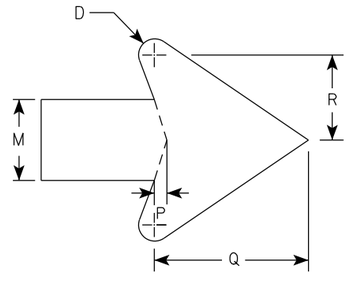
(C)



(C)



(C)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

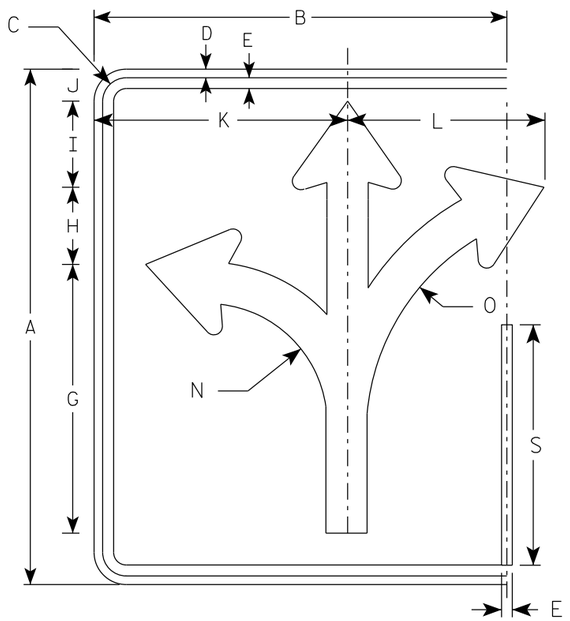
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

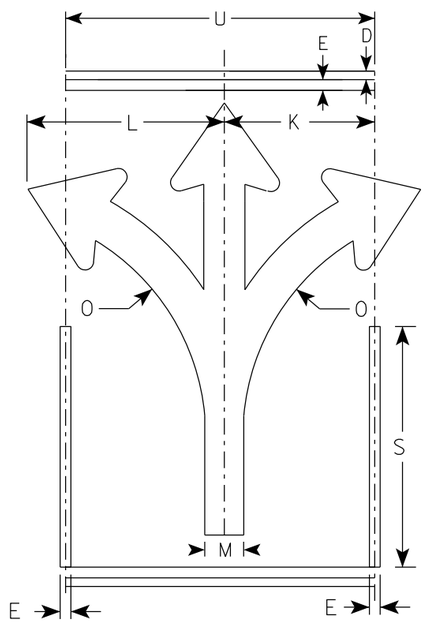
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 335 | E

NOTES

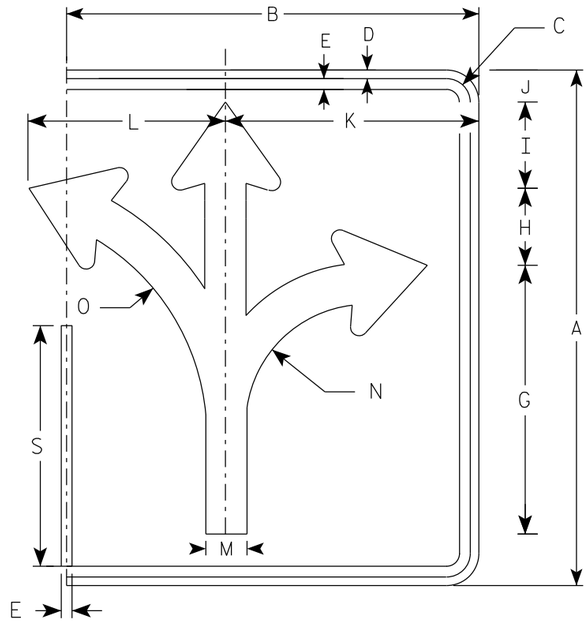
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



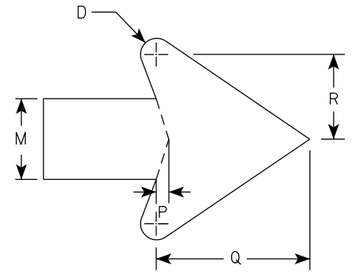
(D)



(D)



(D)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

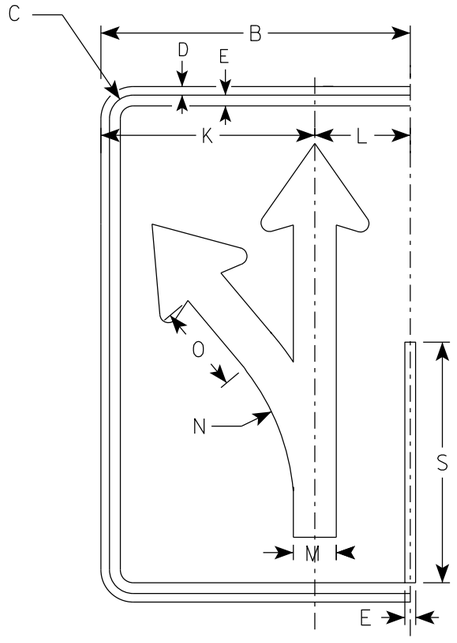
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | E

7

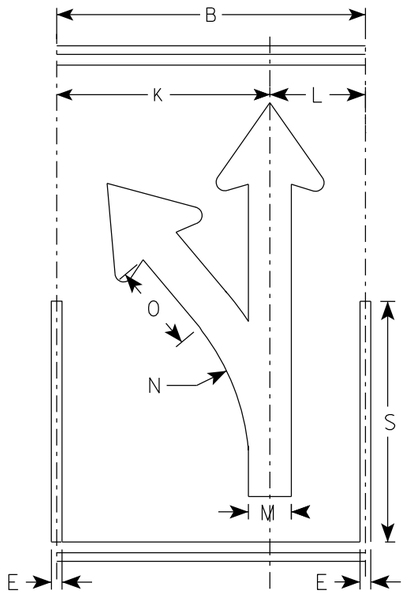
7

NOTES

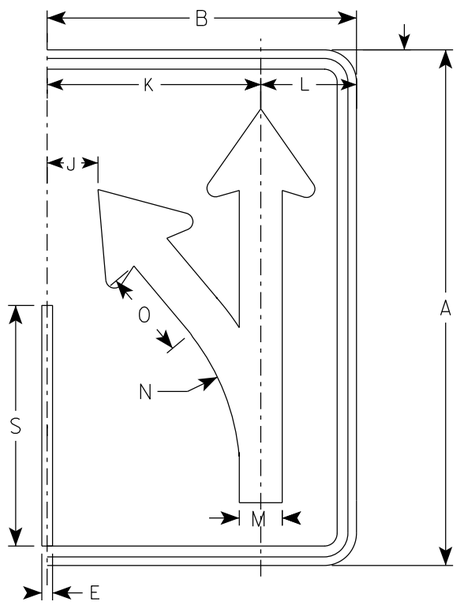
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



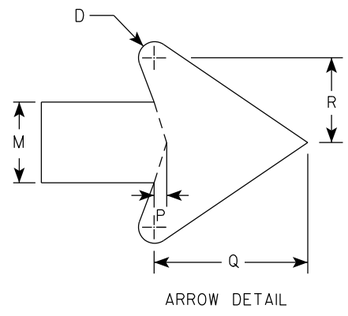
(E)



(E)



(E)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

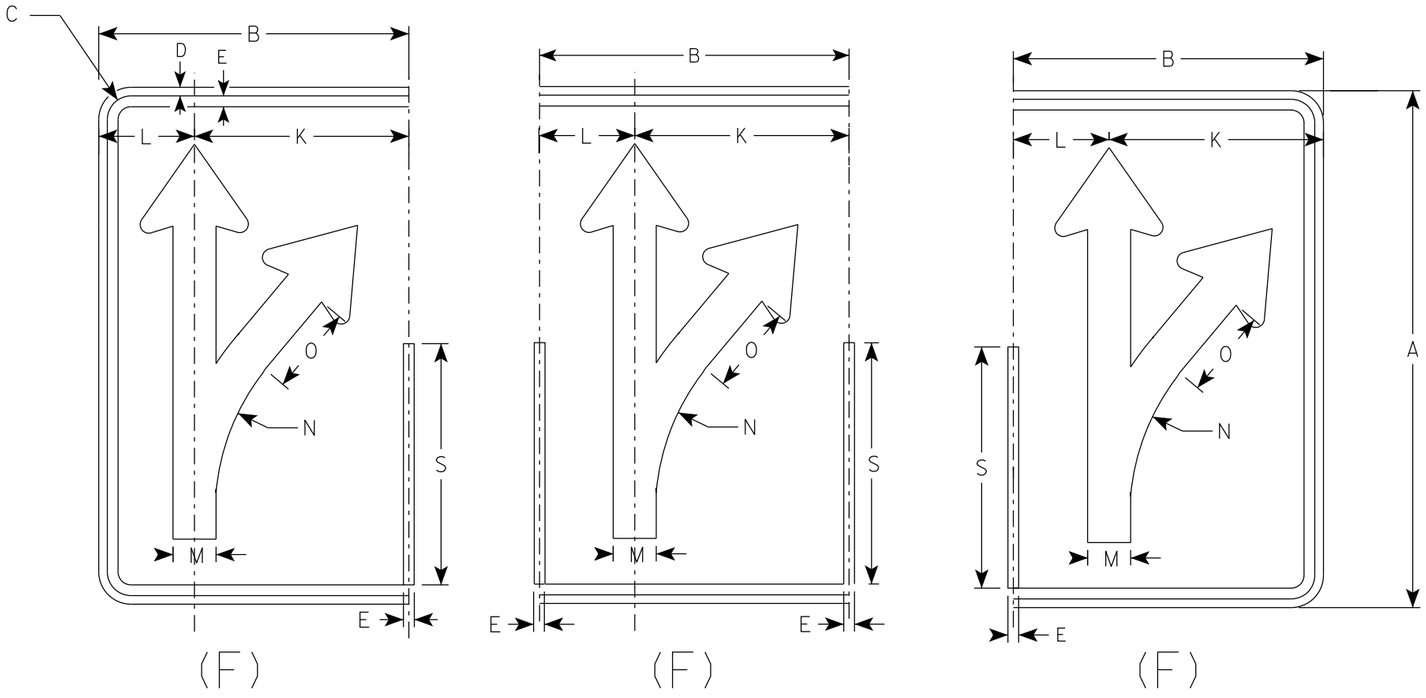
APPROVED Matthew R Rauch
For State Traffic Engineer

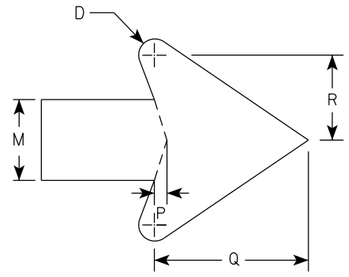
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 337 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

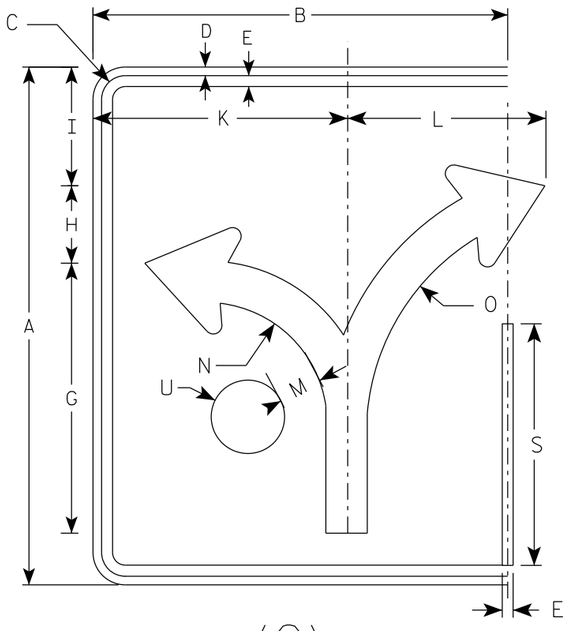
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

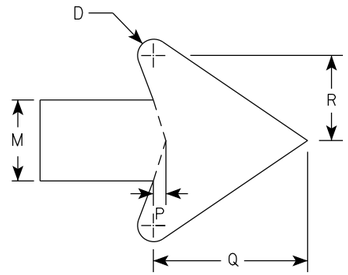
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

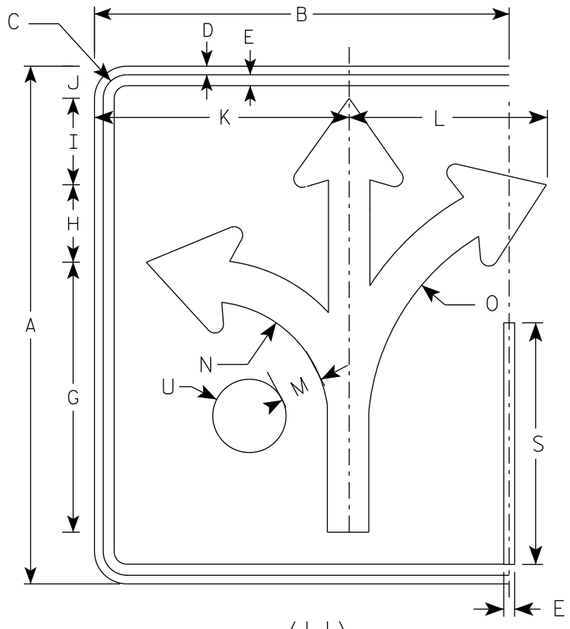
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

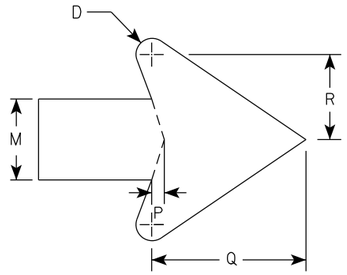
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 339 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

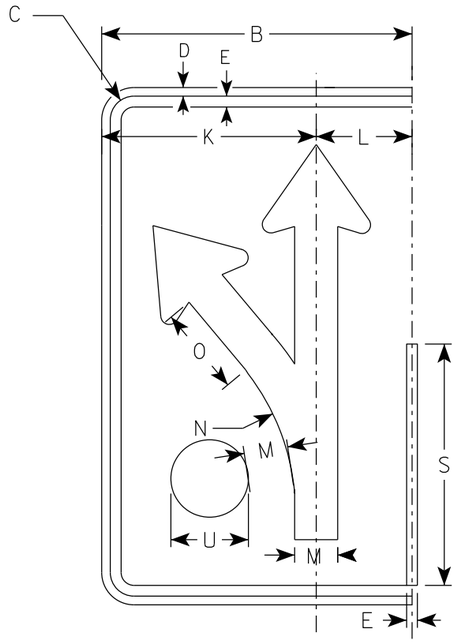
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

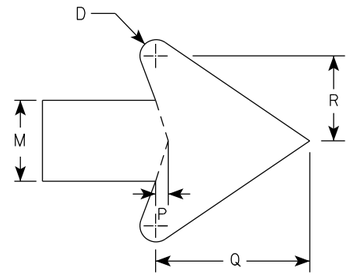
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 340	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

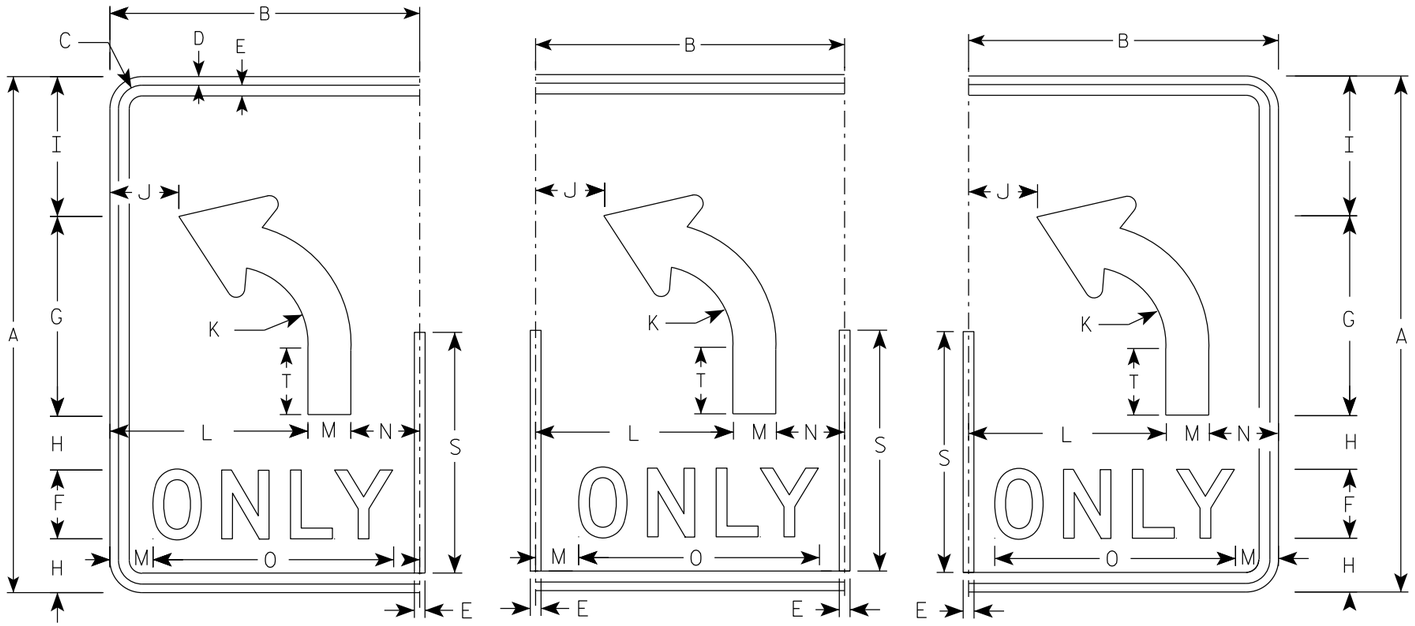
APPROVED Matthew R Rauch
For State Traffic Engineer

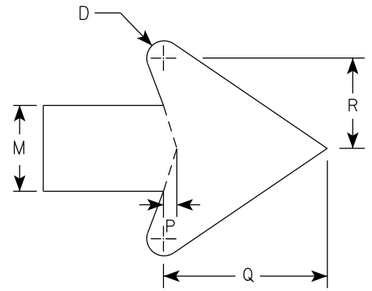
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 341 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D





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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

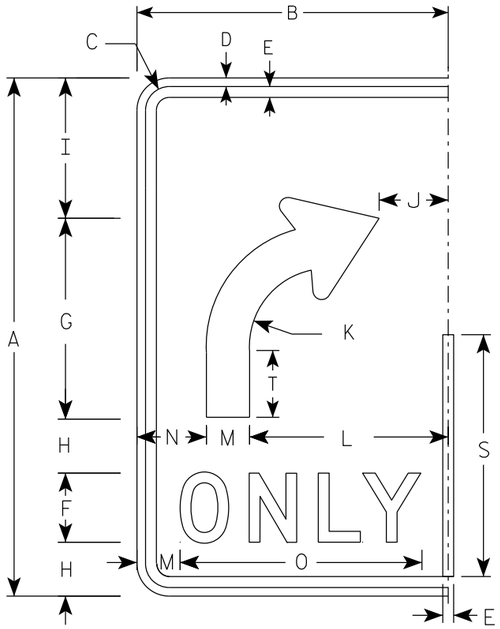
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

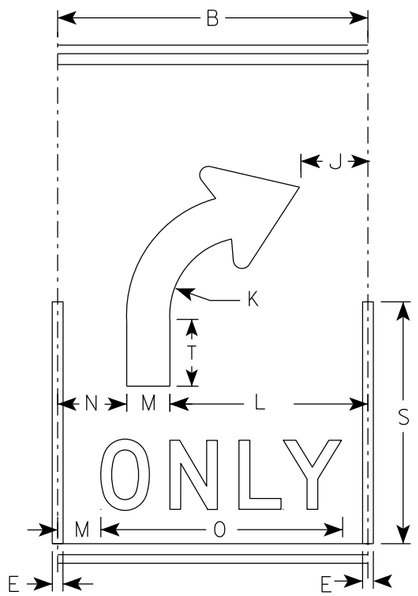
SHEET NO: 342 E

NOTES

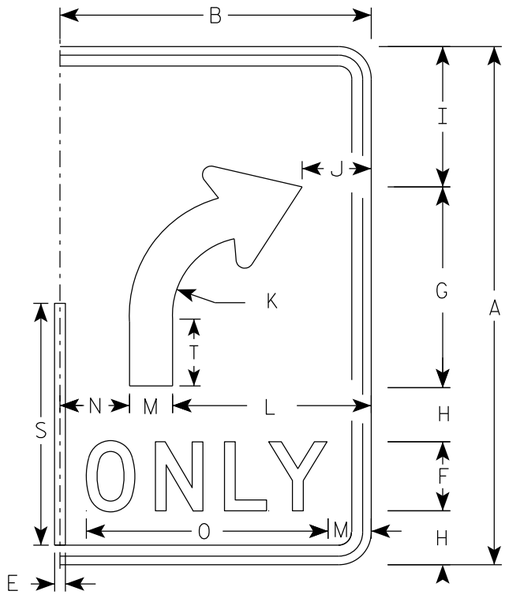
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



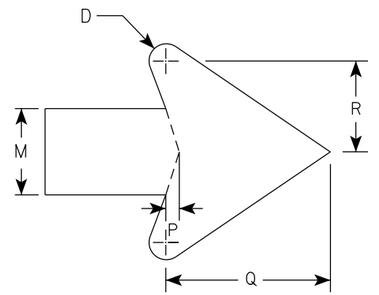
(R)



(R)



(R)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

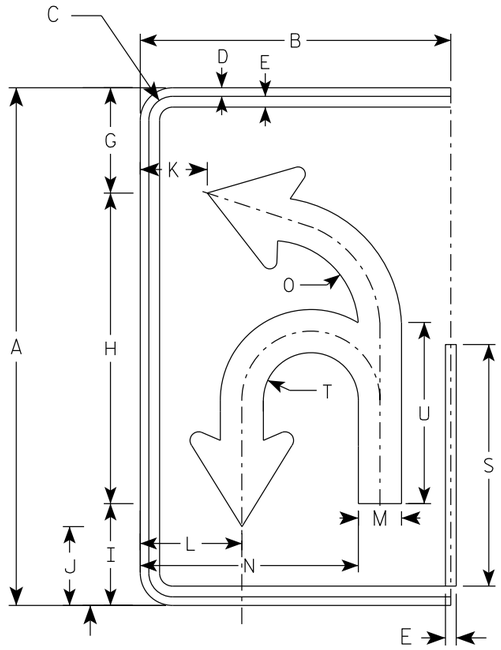
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

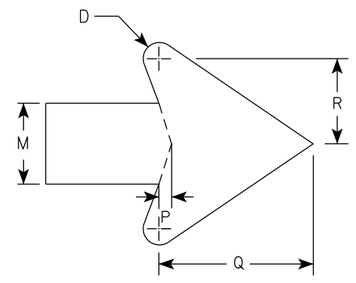
SHEET NO: 343 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



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	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

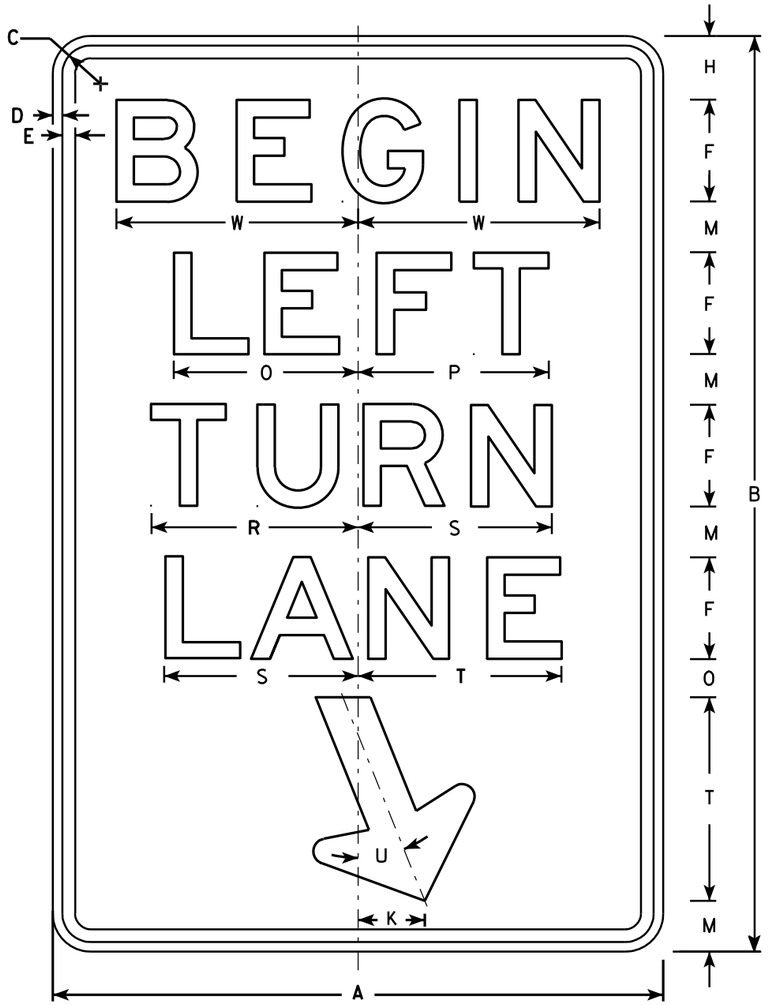
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

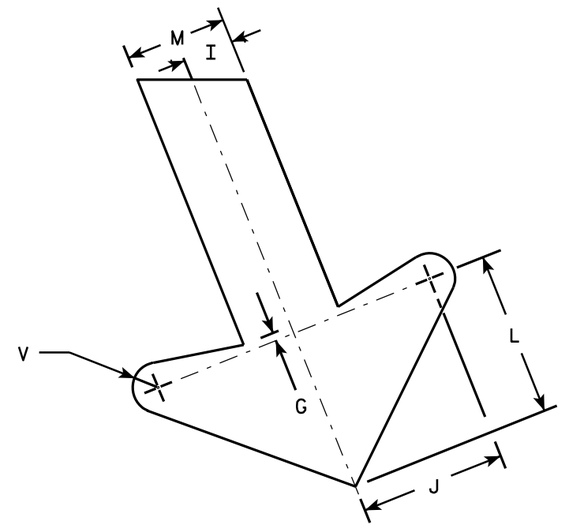
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 344 | E



R3-20L

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 - E
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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

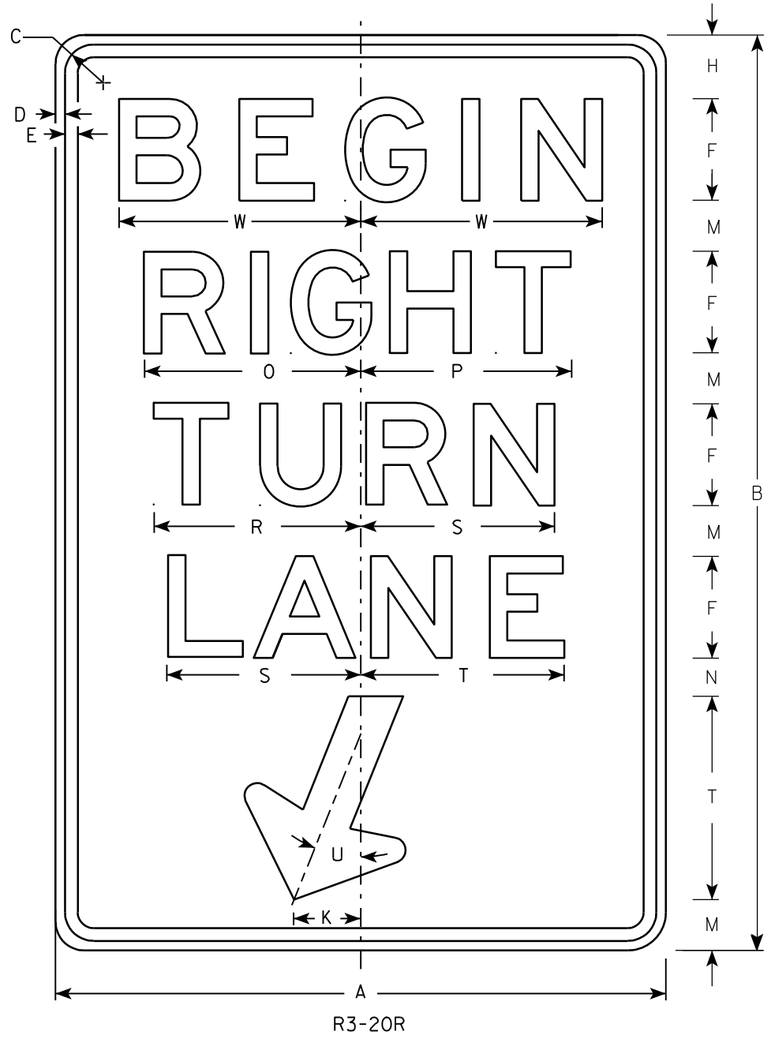
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

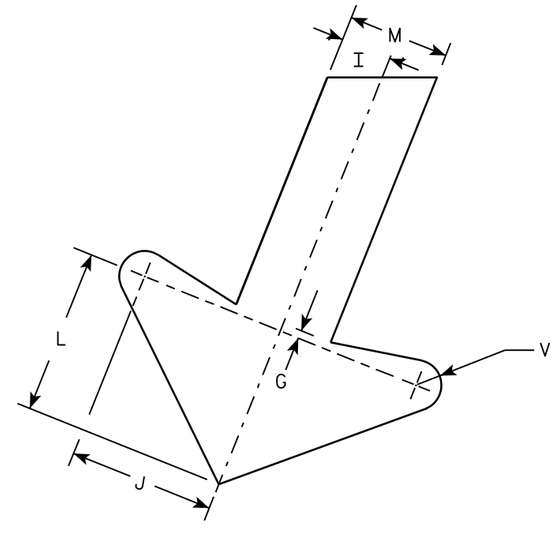
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 345 | E



R3-20R

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 - E
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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

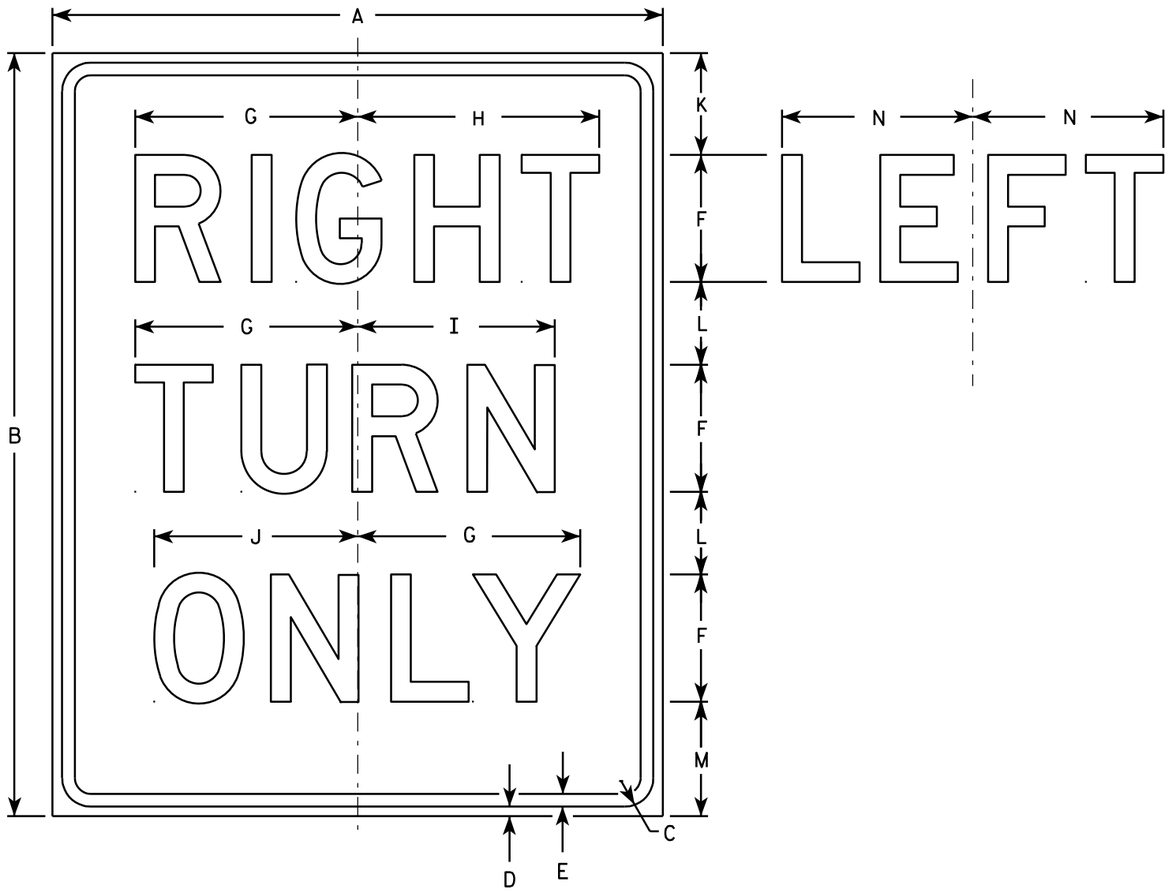
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 346 | E



R3-53R

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. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

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	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

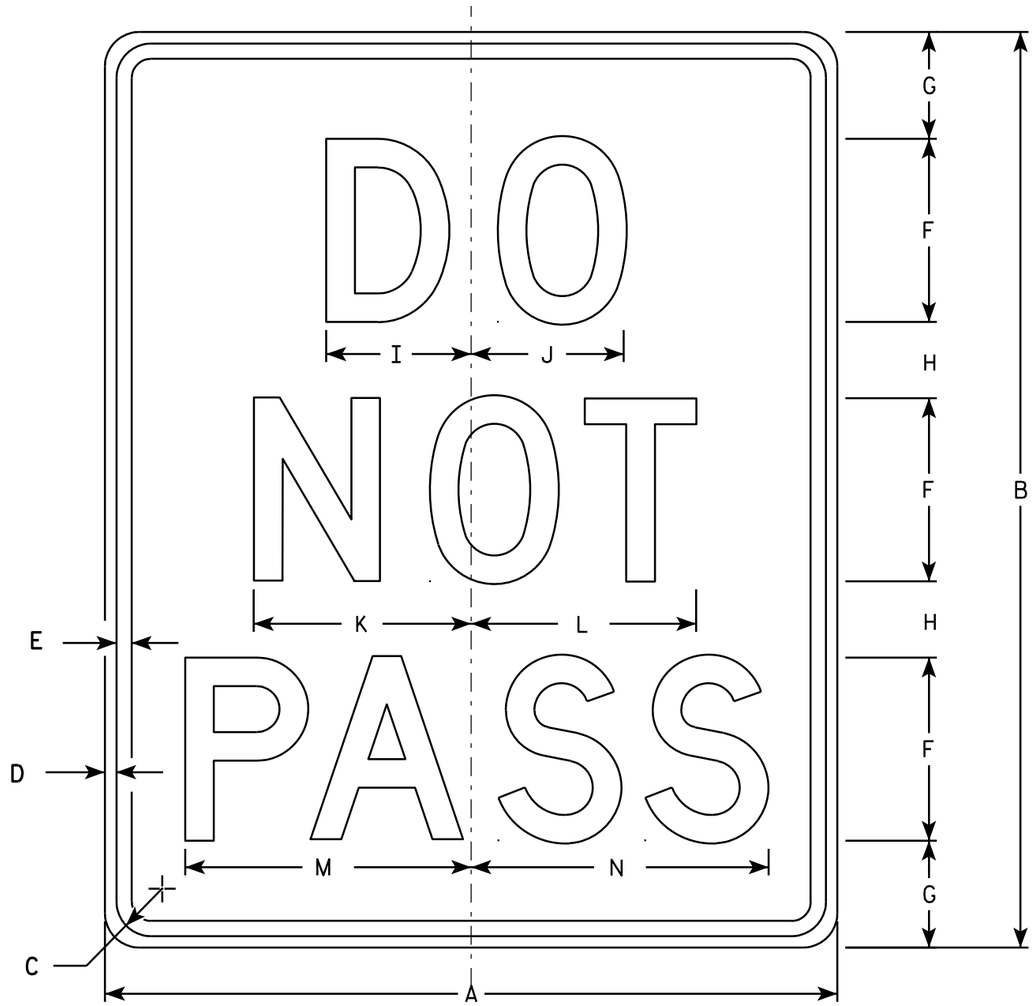
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 347 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R353.DGN PLOT DATE : 24-MAR-2011 14:54 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.959043:1.000000
WISDOT/CADDS SHEET 42



R4-1

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.

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	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

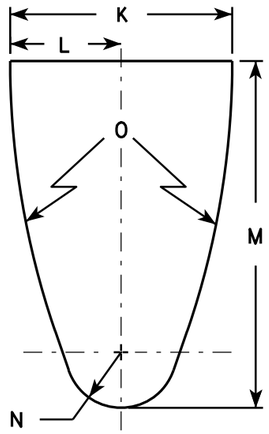
STANDARD SIGN
R4-1

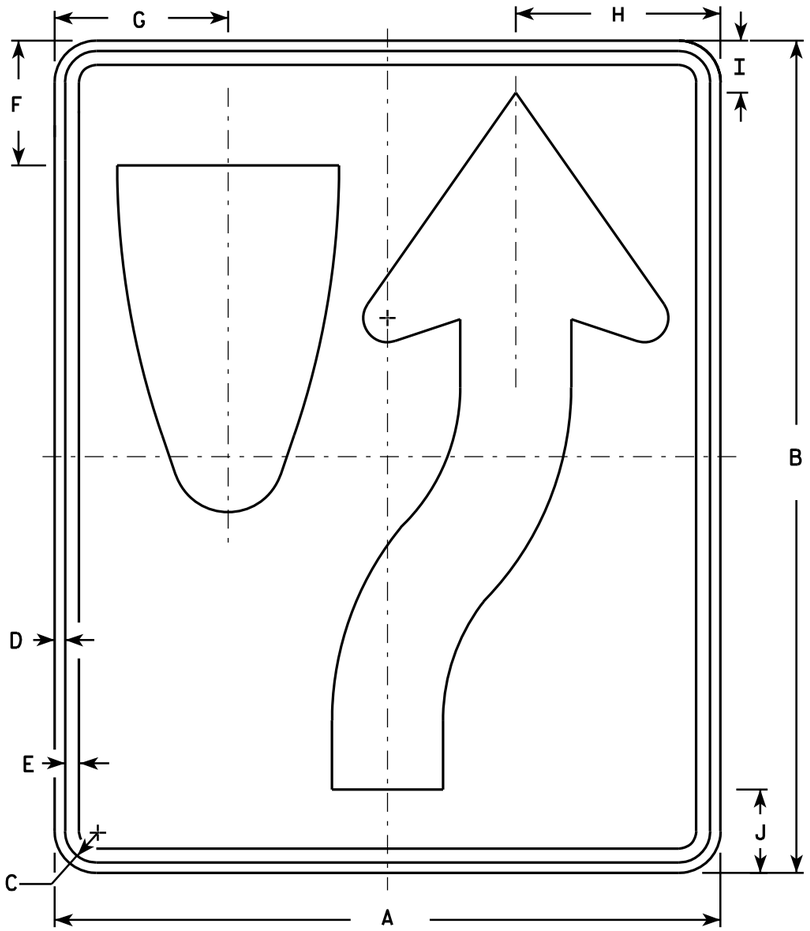
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 348 | E

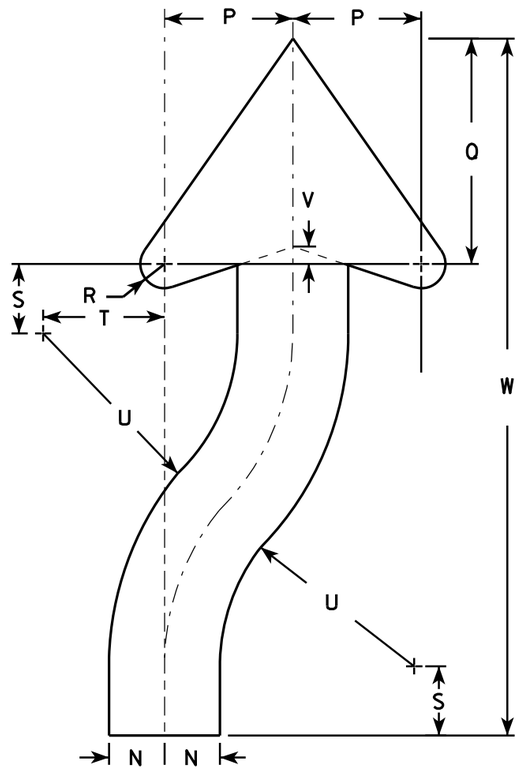




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

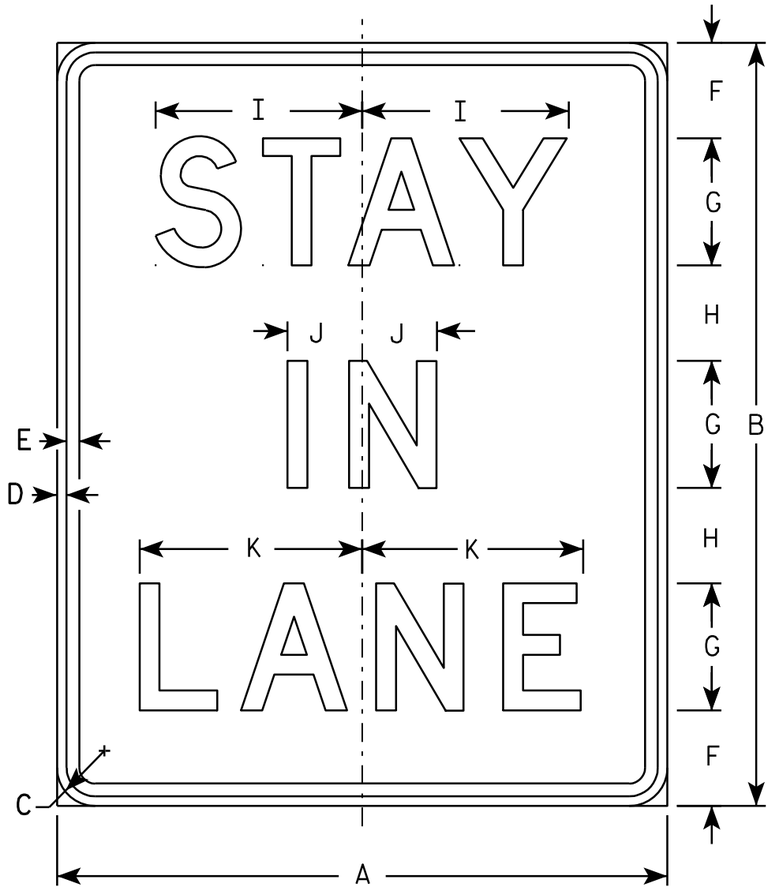
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E



R4-9

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.

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	18	24	1 1/8	3/8	3/8	3	4	3	6 1/2	2 3/8	7																3.0
2S	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
2M	24	30	1 1/8	3/8	1/2	3 5/8	5	3 7/8	8 1/8	3	8 3/4																5.0
3	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
4	36	48	1 3/8	1/2	5/8	8 1/4	7	5 1/4	11 3/8	4 1/8	12 1/4																12.0
5	48	60	2 1/4	3/4	1	7 1/2	10	7 1/2	16 1/4	5 7/8	17 1/2																20.0

STANDARD SIGN
R4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-9.2

PROJECT NO:

SHEET NO: 350 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R49.DGN PLOT DATE : 25-MAR-2011 14:17 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



R4-11

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	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	30		1 3/8	1/2	5/8	4	3 1/8	10	2 1/2	3 7/8	8 5/8	8 3/4	8 1/2	1 1/4	1 3/4	7 7/8		10 3/8	2	1	11 1/4						6.25
2M	30		1 3/8	1/2	5/8	4	3 1/8	10	2 1/2	3 7/8	8 5/8	8 3/4	8 1/2	1 1/4	1 3/4	7 7/8		10 3/8	2	1	11 1/4						6.25
3																											
4																											
5																											

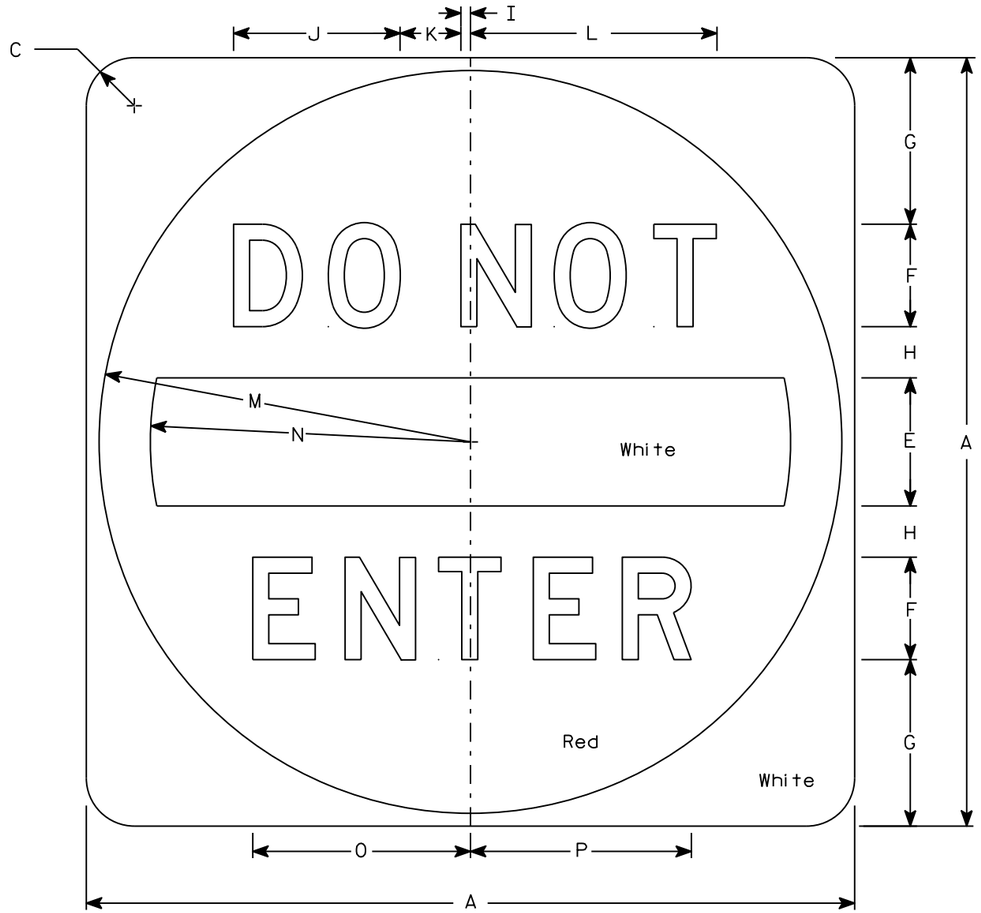
STANDARD SIGN
R4-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/15 PLATE R4-11.1

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



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

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	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

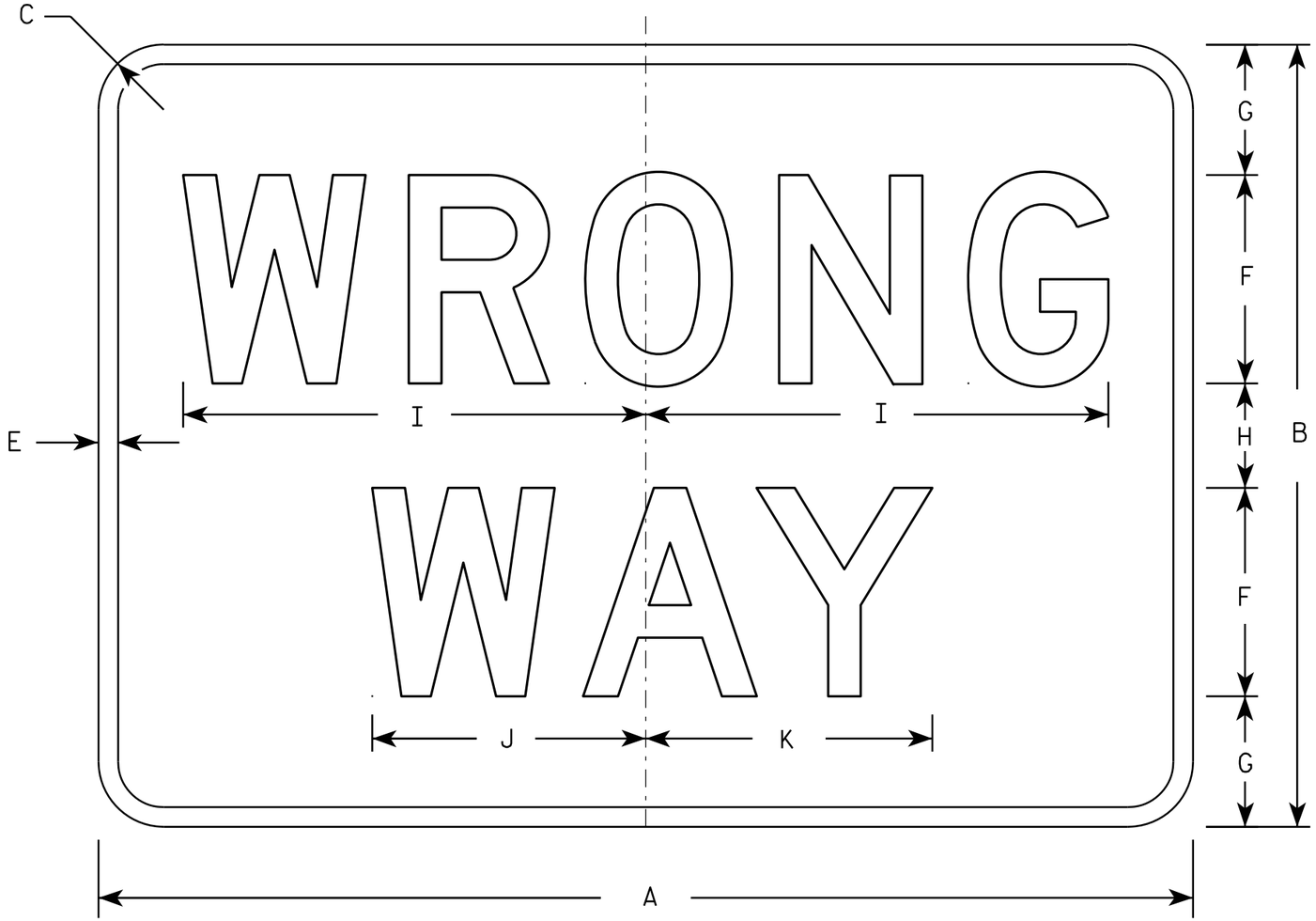
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 352 | E



R5-1A

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

SIZE	A	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	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

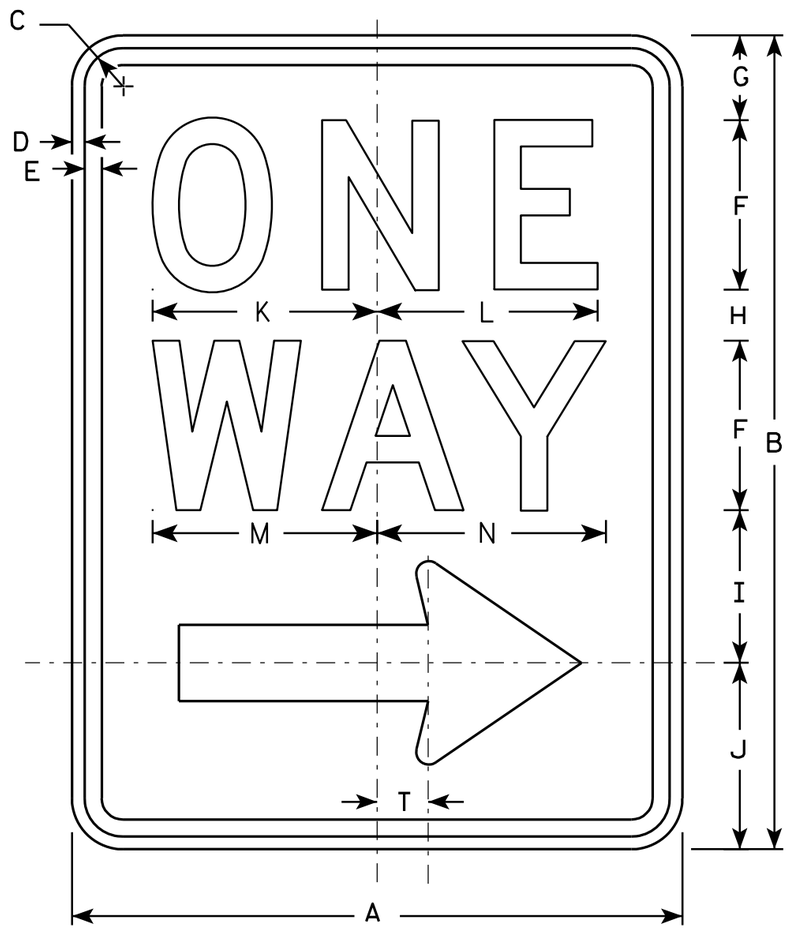
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

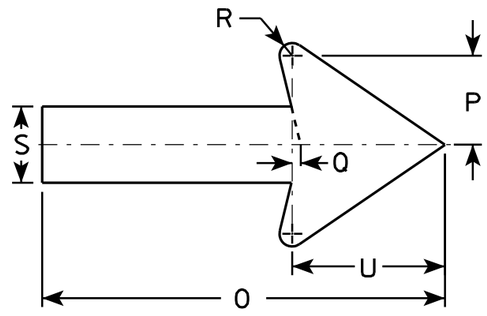
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 353 | E



R6-2R

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. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

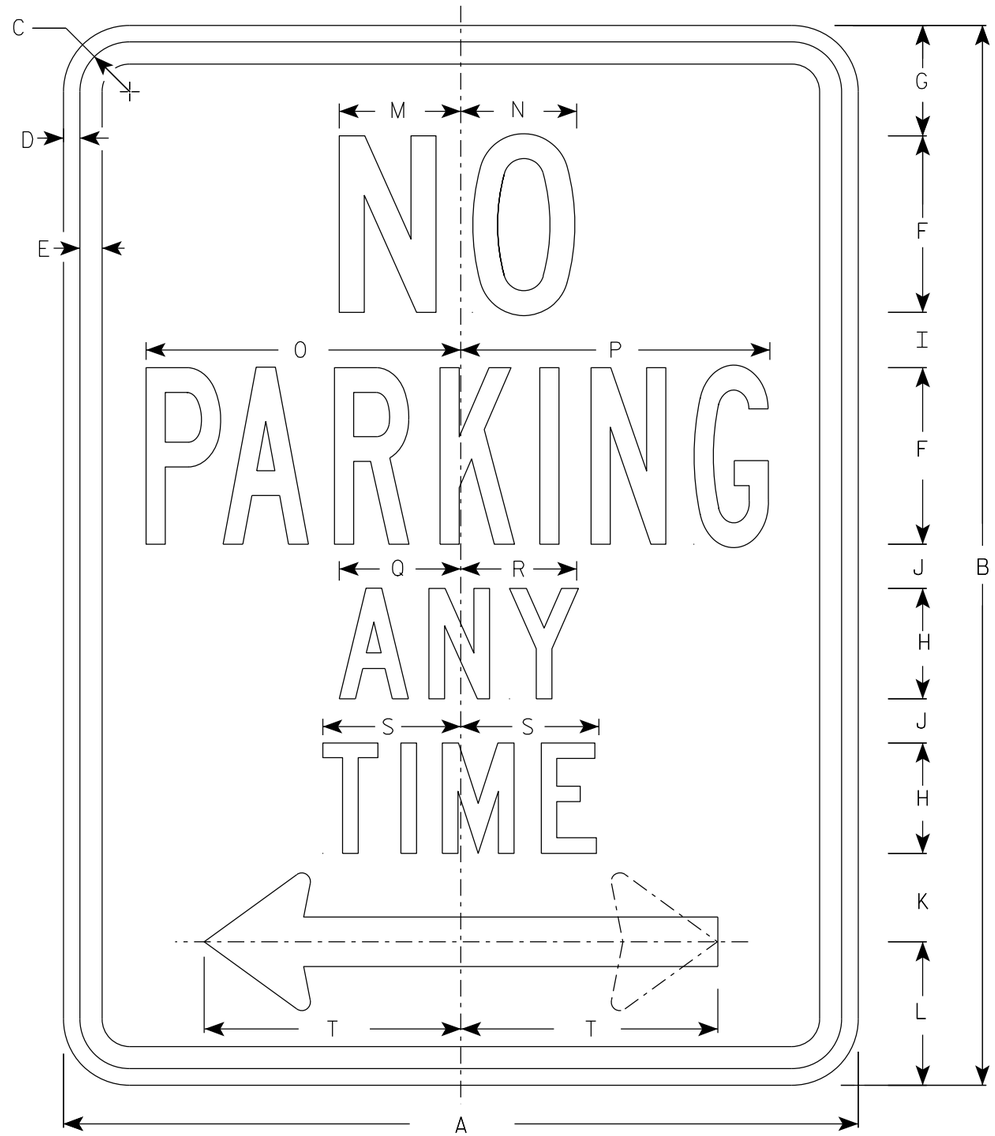
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

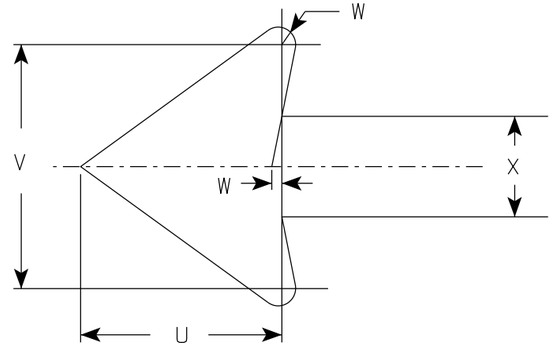
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 354	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



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	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

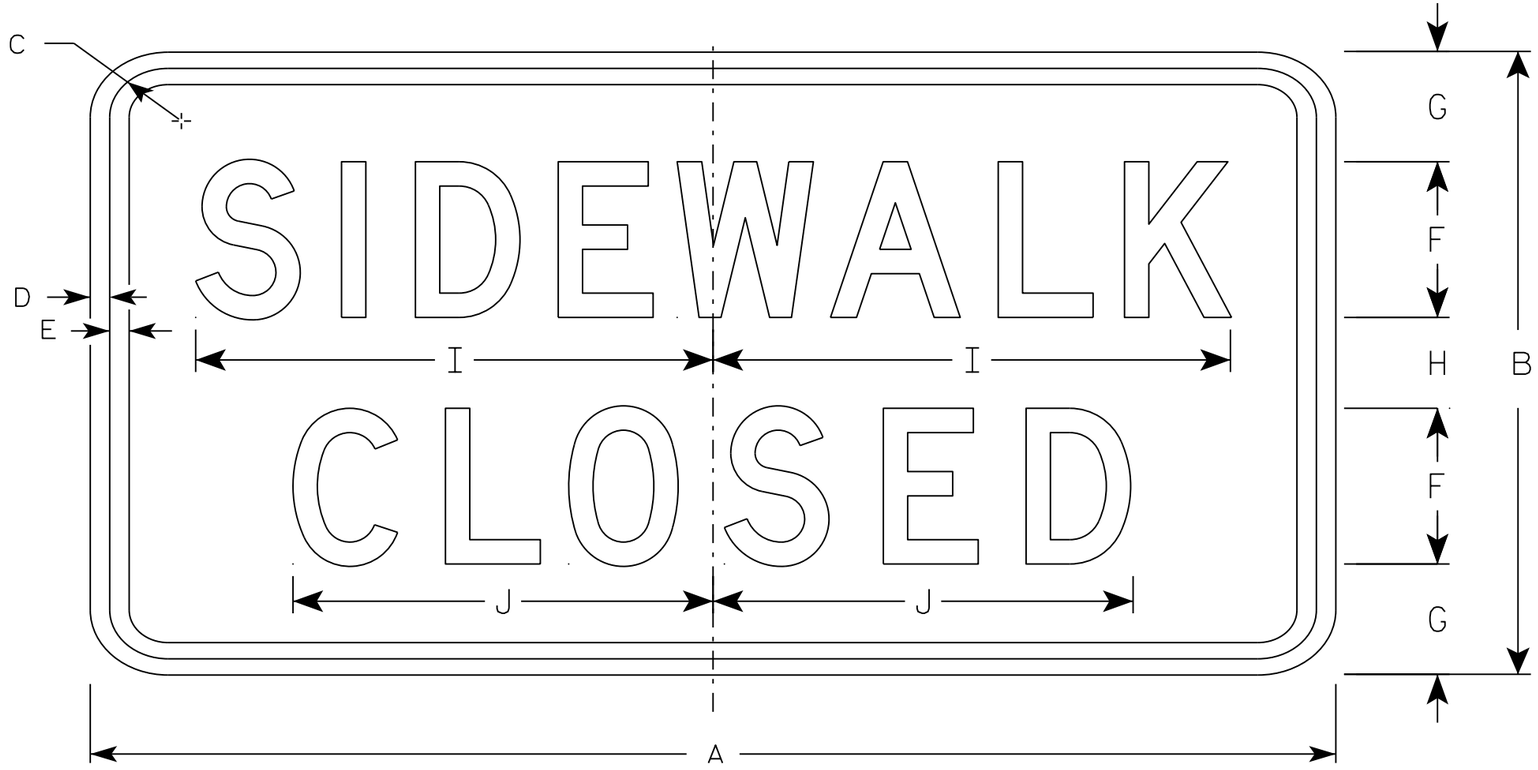
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 355 E



R9-9

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 - 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

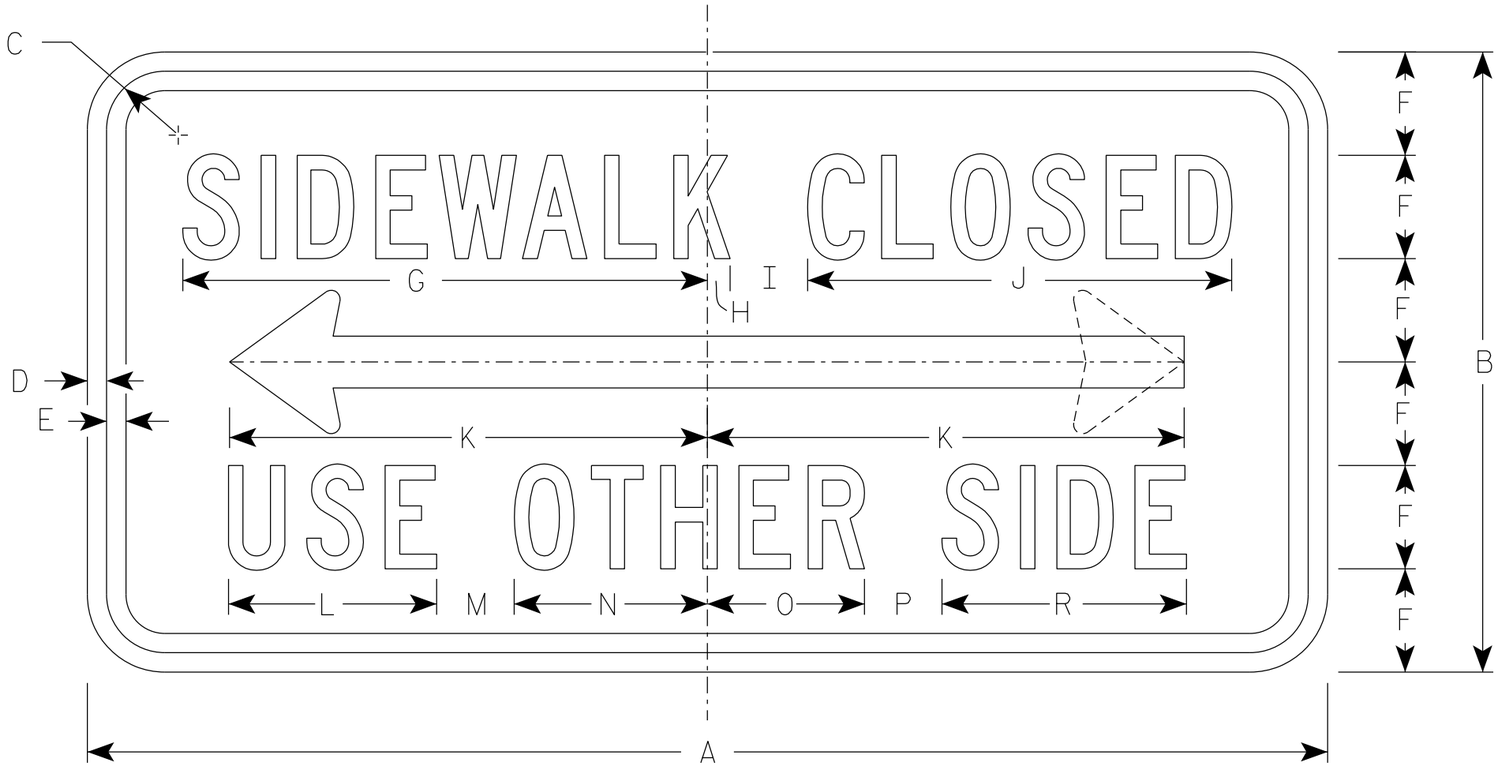
DATE 8/11/16 PLATE 356 R9-9.6

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

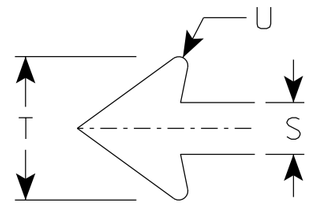
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for sidewalks. Use Size 3 for paths and trails.



R9-10



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	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	5	2	4 5/8	3 3/4	2		5 7/8	1 1/4	3 5/8	1/4						3.125
4																											
5																											

STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-10.7

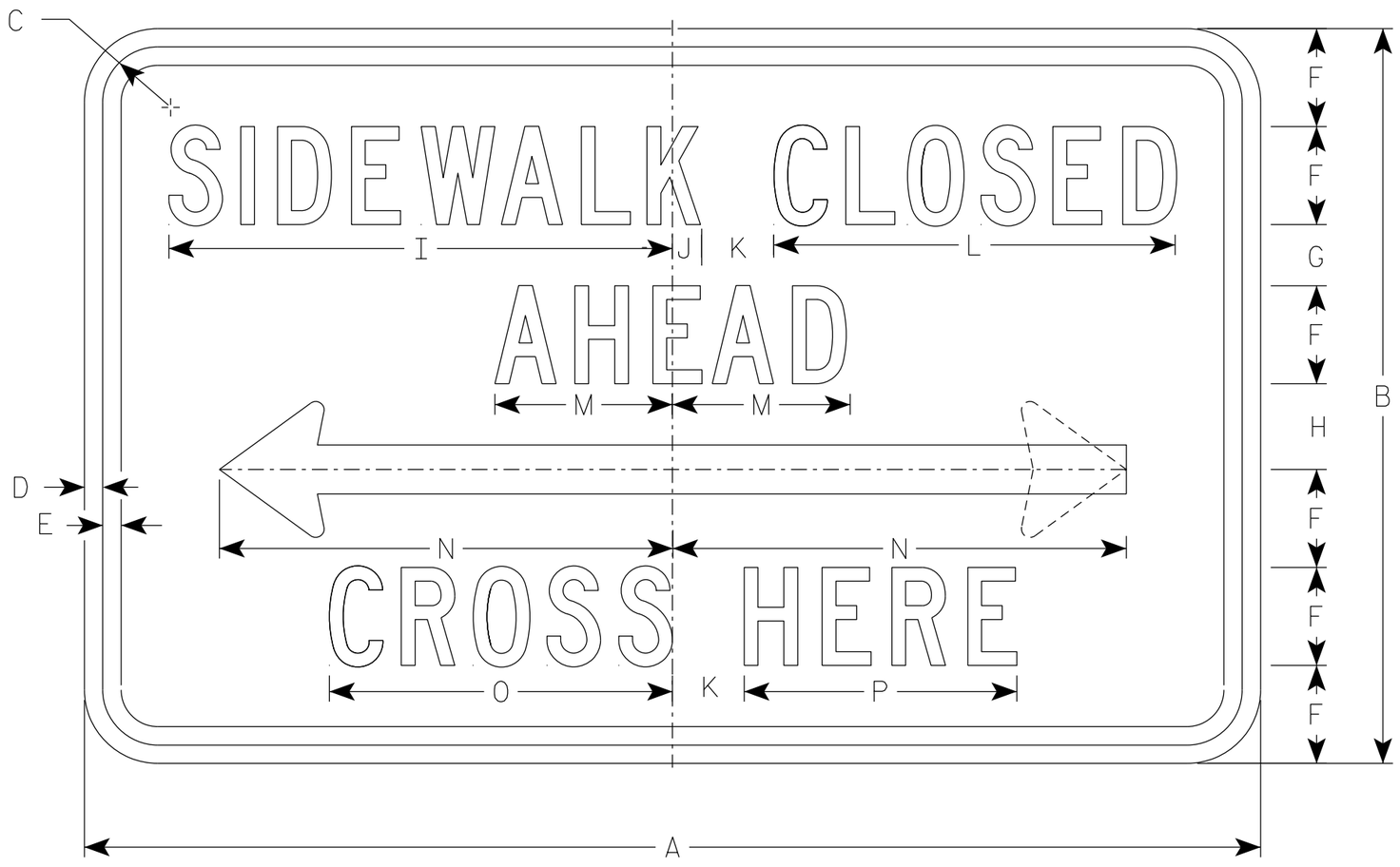
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 357	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R910.dgn PLOT DATE : 07-APRIL-2020 PLOT BY : dotc4c PLOT NAME : PLOT SCALE :

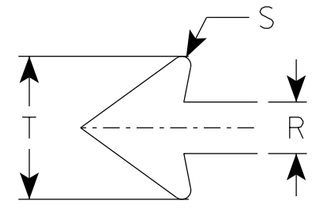
WISDOT/CADDS SHEET 42

7

7



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

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	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

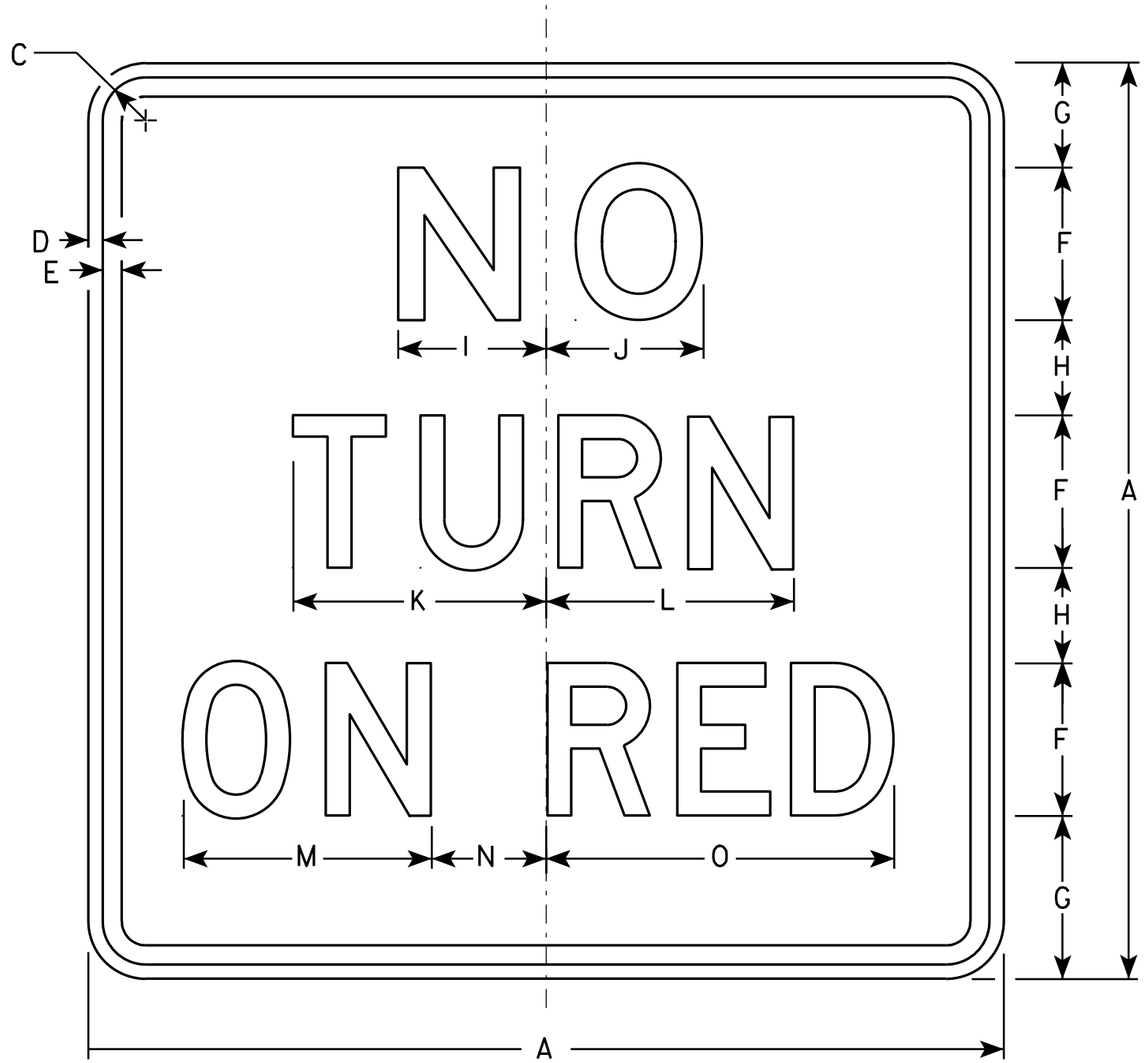
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 358 | E



R10-11B

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 - See Note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series E.
   Lines 2 and 3 are Series D.

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	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

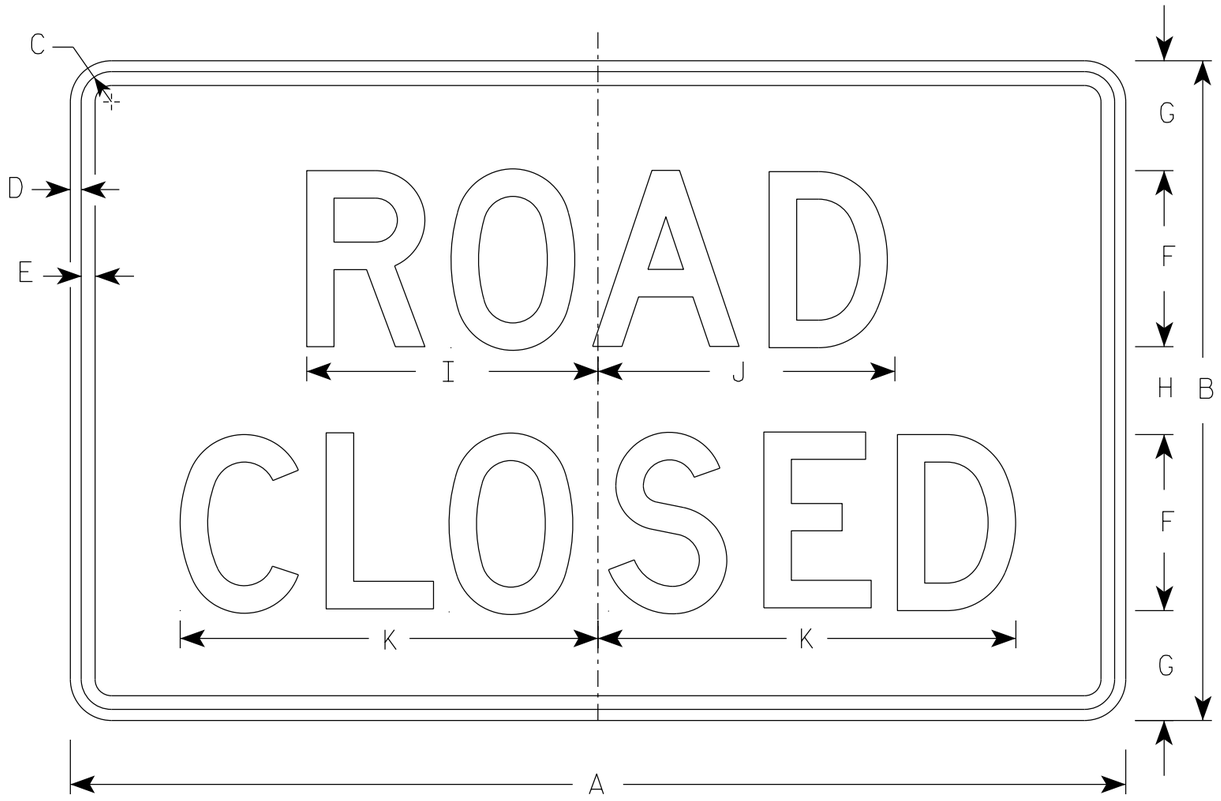
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

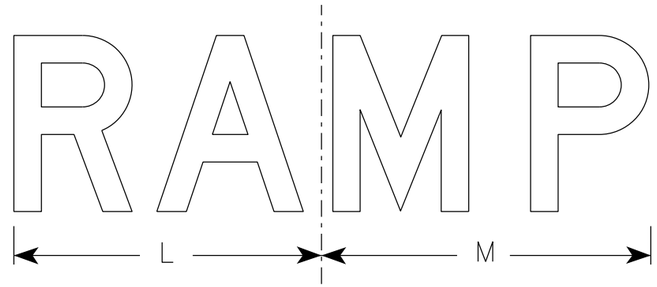
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 359 | E



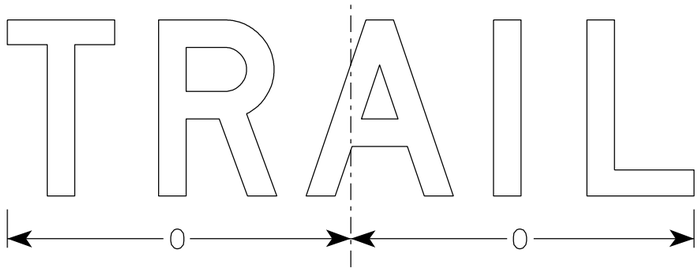
R11-2

NOTES

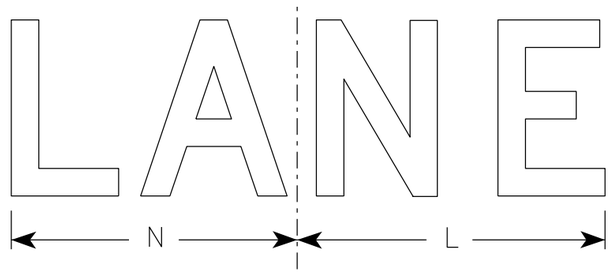
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



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	15 5/8												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	15 5/8												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	15 5/8												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	15 5/8												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	15 5/8												10.0

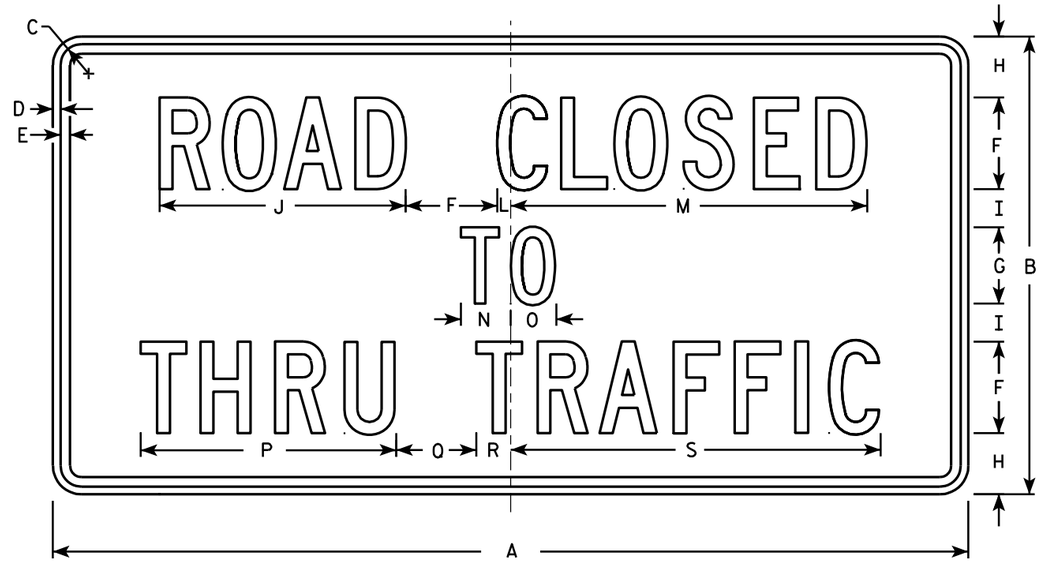
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 360	E



R11-4

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 - 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																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

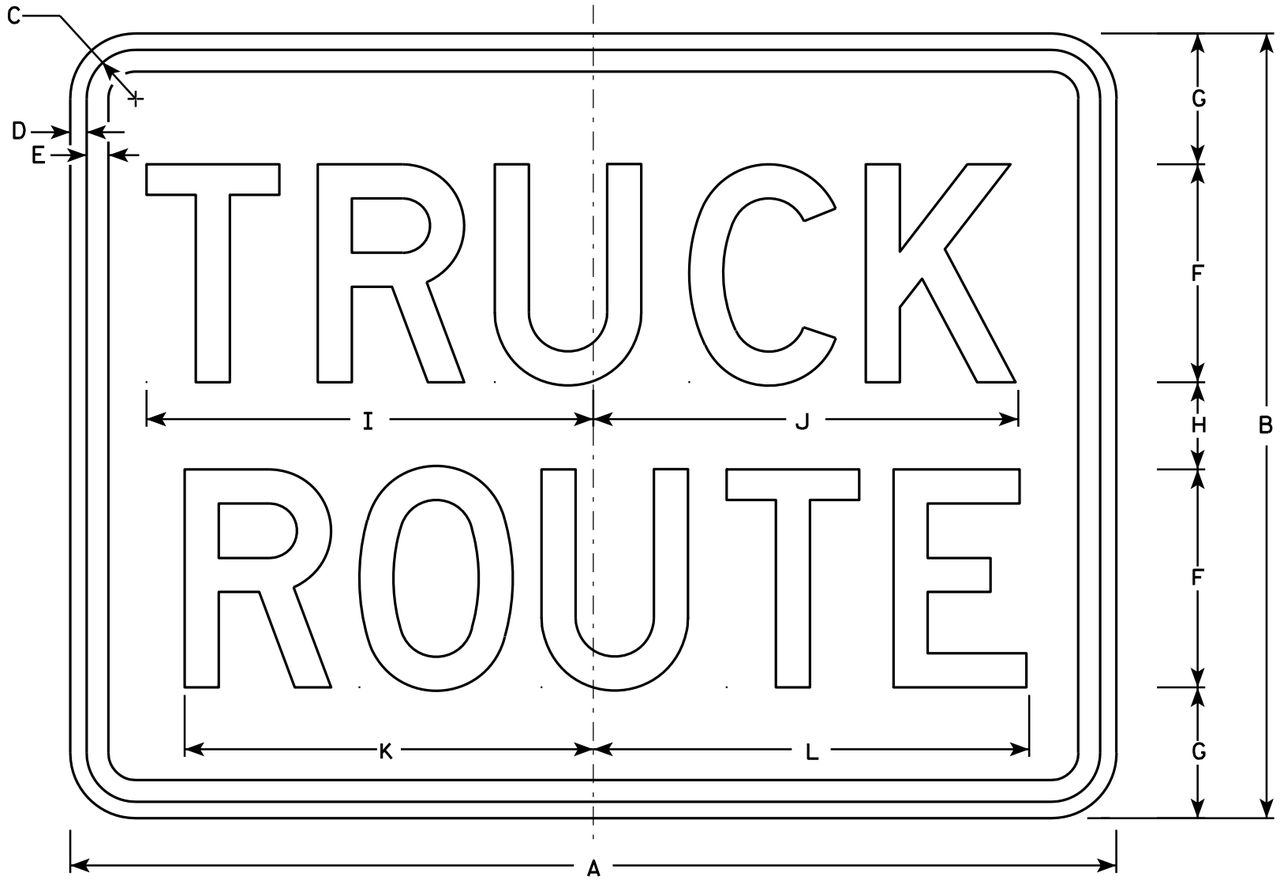
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 361 | E



R14-1

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.

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	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

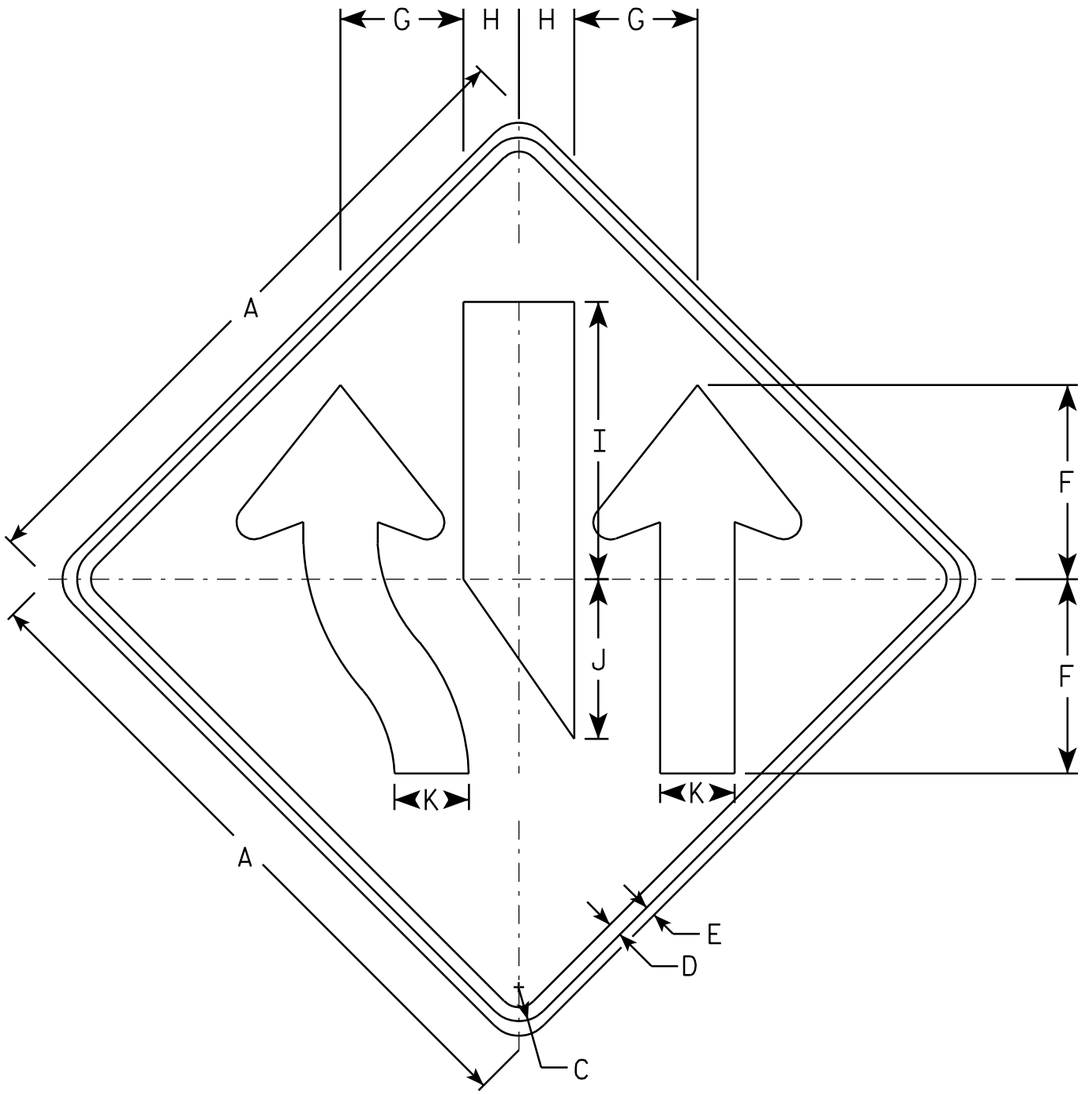
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

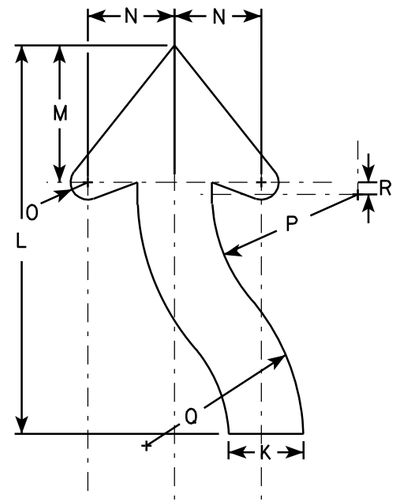
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 362	E



W9-3A

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.



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	36		1 3/8	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9
2M	36		1 3/8	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9
3	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16
4	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16
5	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16

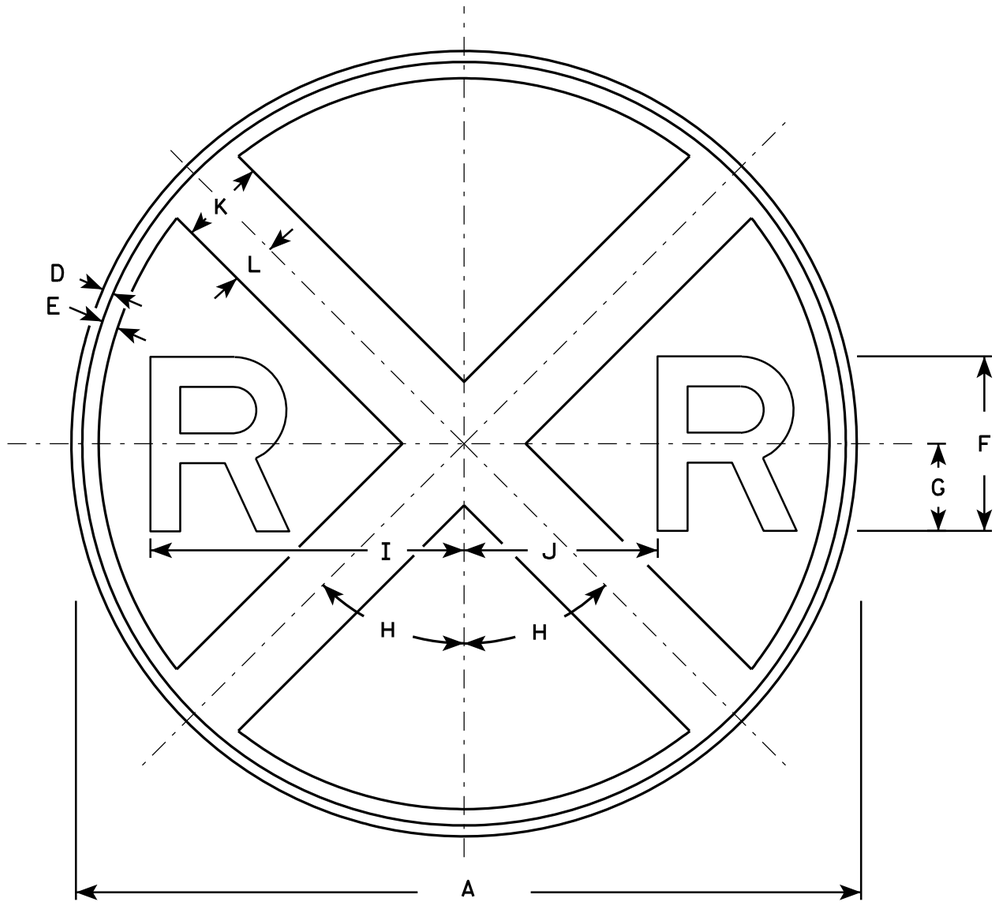
STANDARD SIGN
W9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/02/11 PLATE NO. W9-3A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

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			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

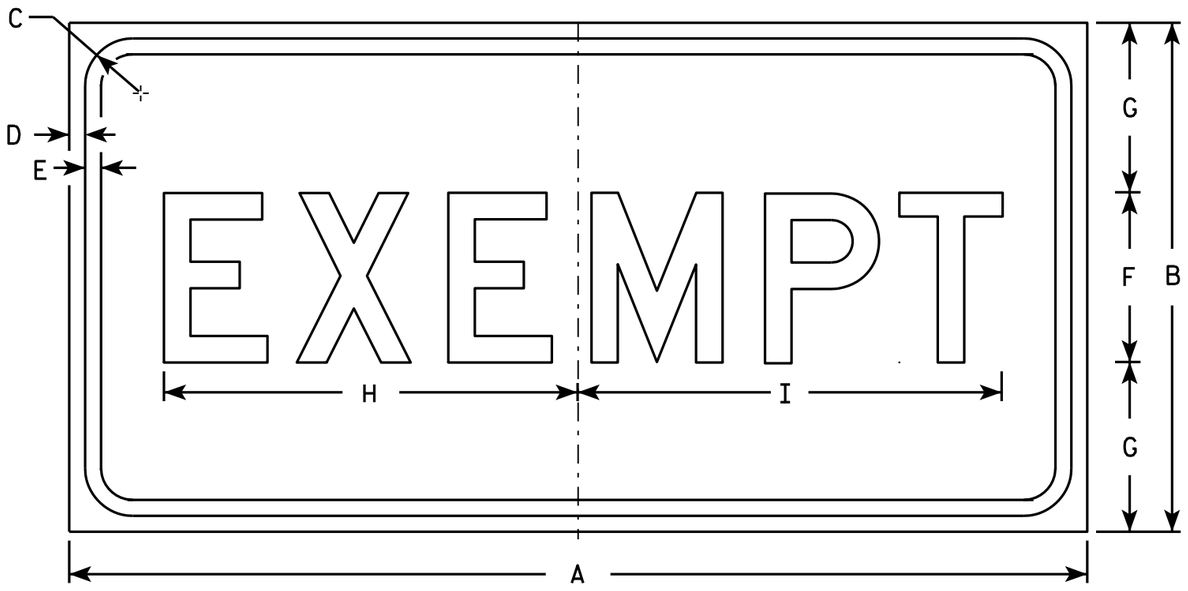
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 364	E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 5
   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. Background - R15-3 is White Type H Reflective
   W10-1A is Yellow.



R15-3
and
W10-1A

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	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

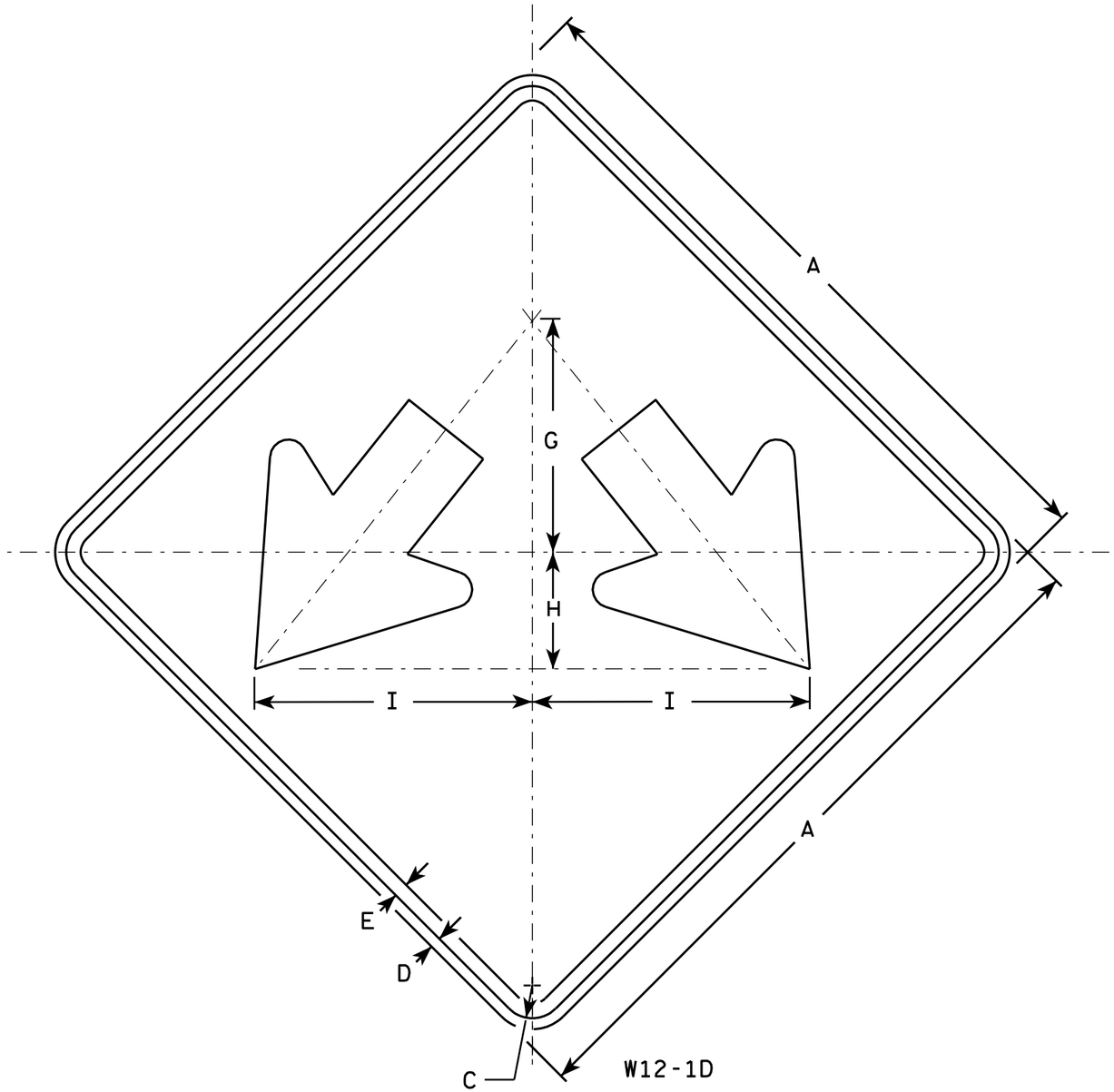
STANDARD SIGN
R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

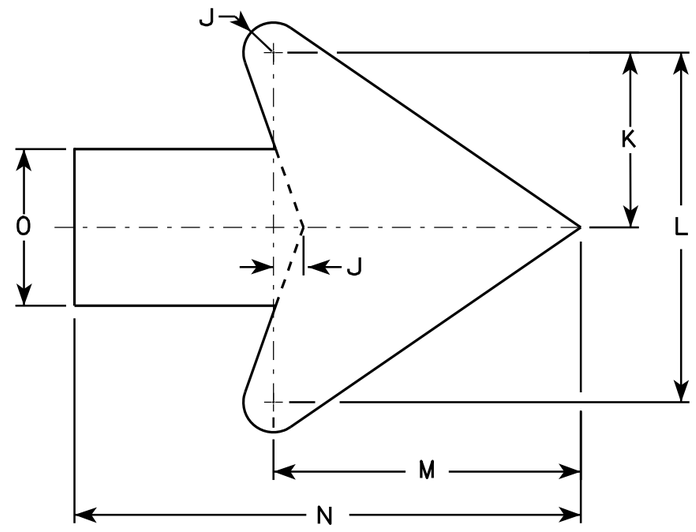
DATE 3/13/13 PLATE NO. R15-3.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 365	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

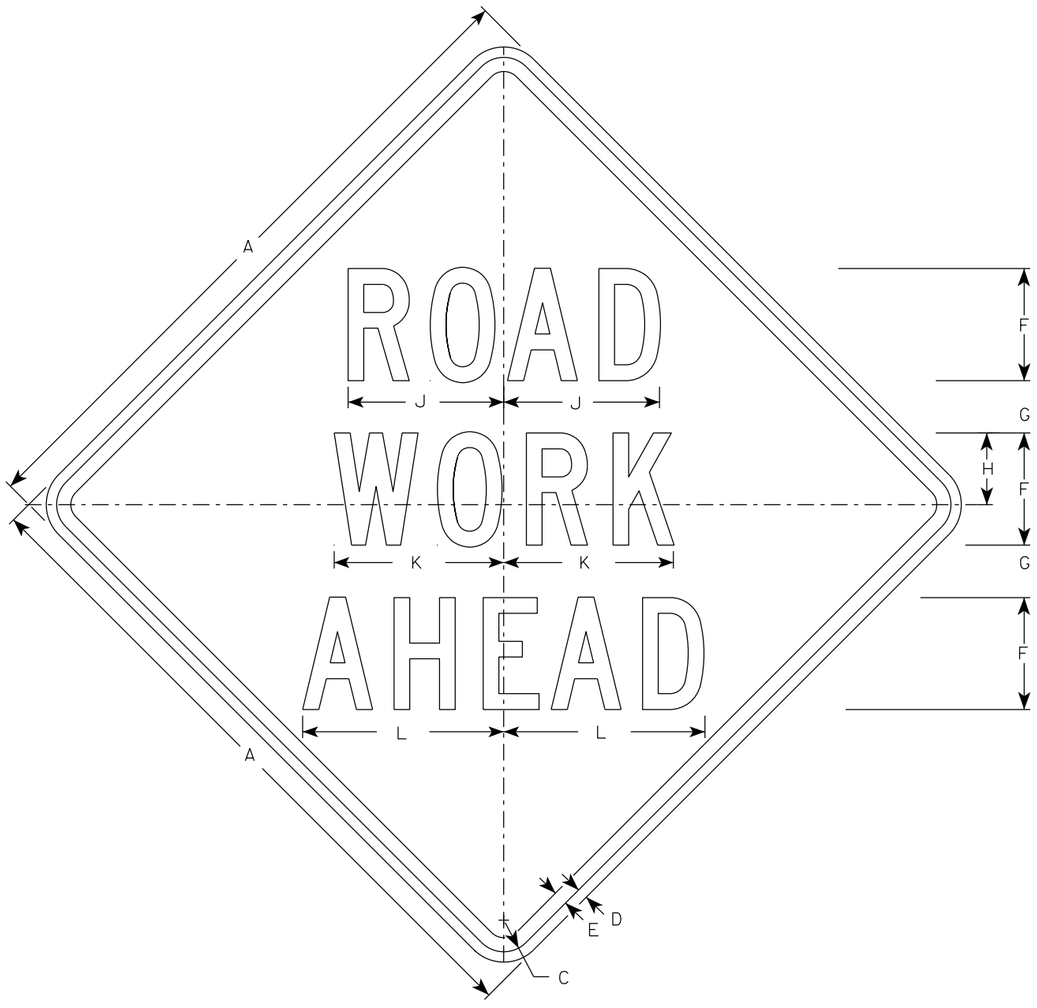
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

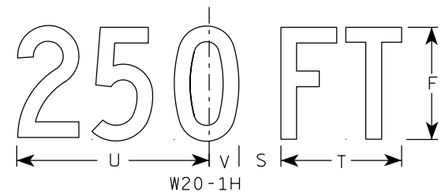
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 366	E

NOTES

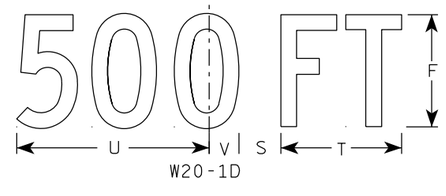
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



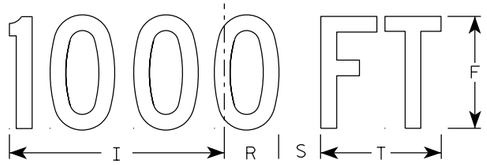
W20-1A



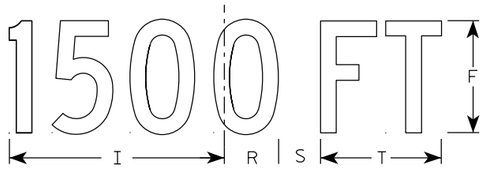
W20-1H



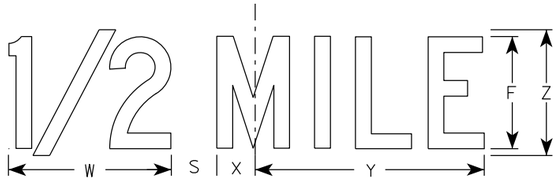
W20-1D



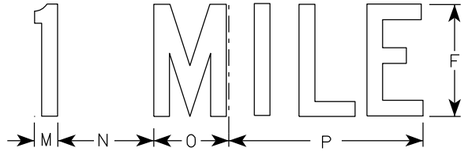
W20-1C



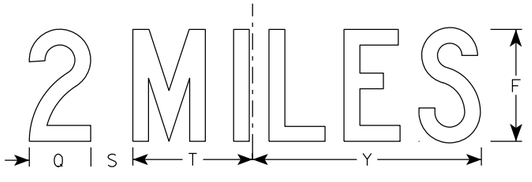
W20-1B



W20-1G



W20-1F



W20-1E

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	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

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

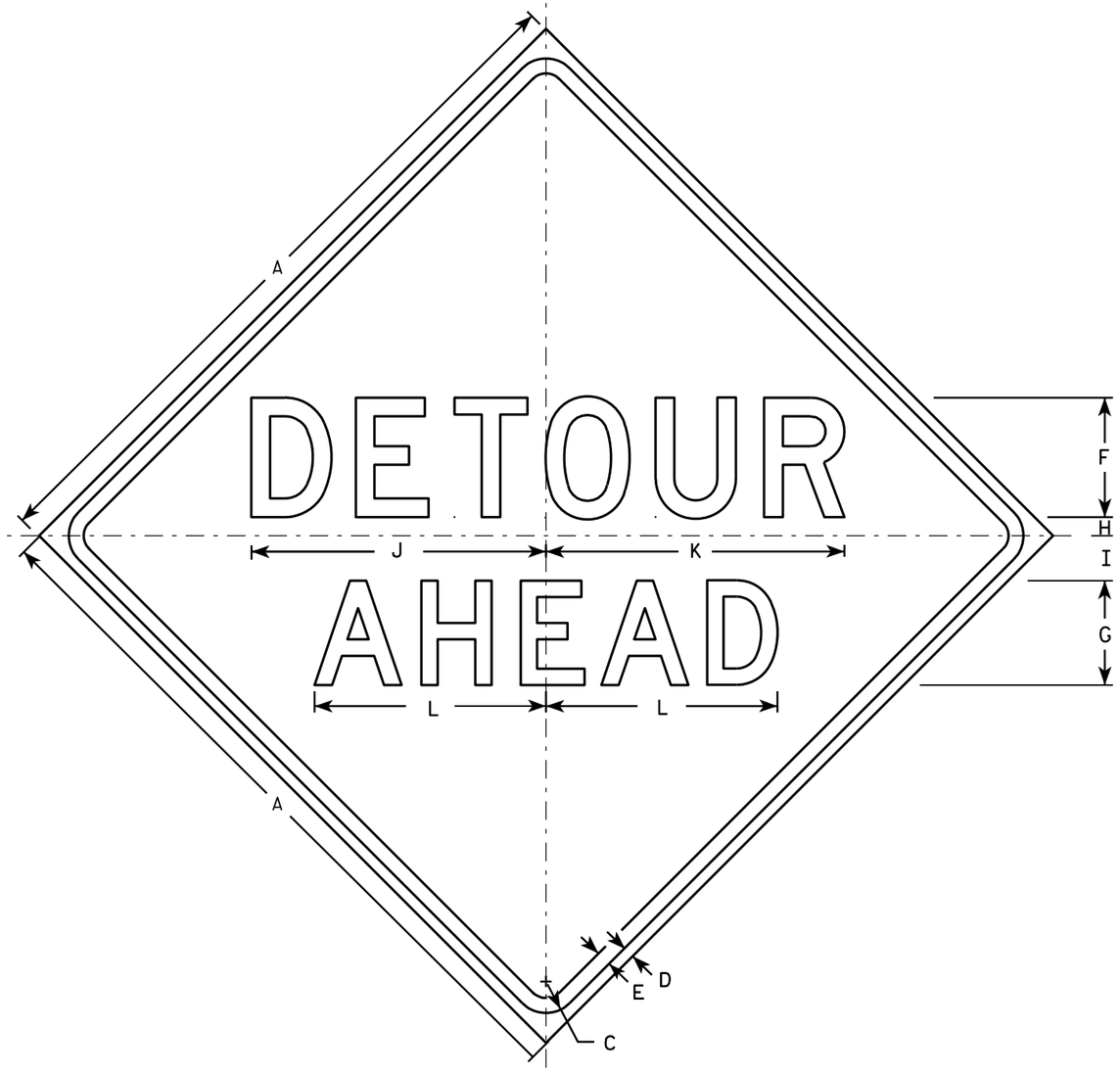
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

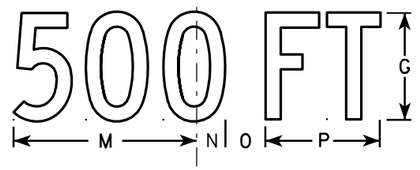
DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

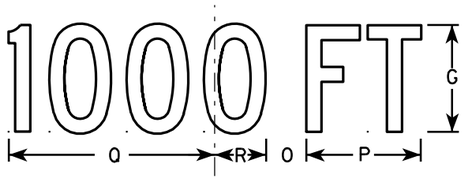
SHEET NO: E



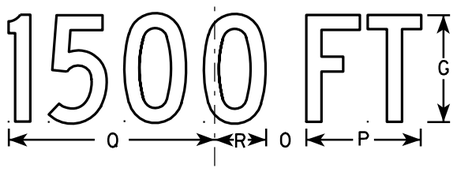
W20-2A



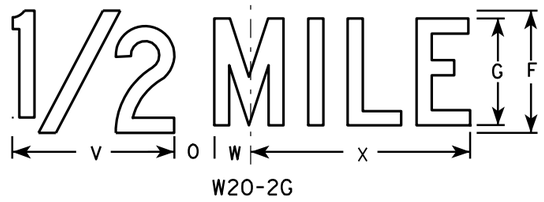
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

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. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

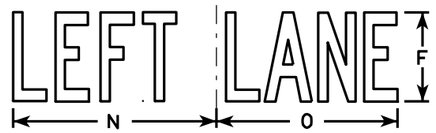
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 368 | E

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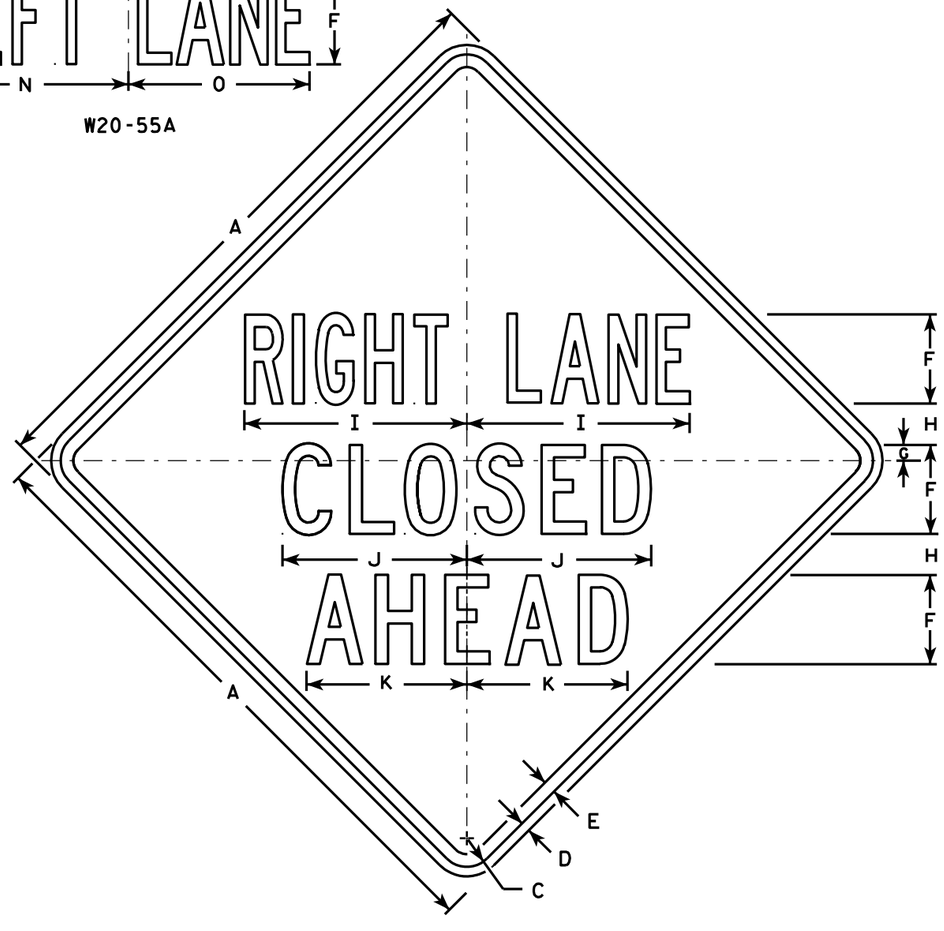
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



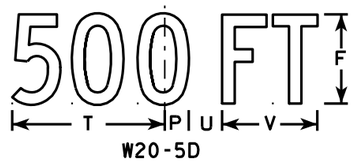
W20-56A



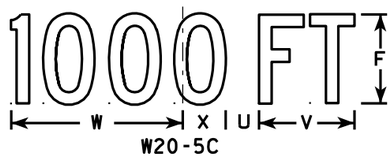
W20-55A



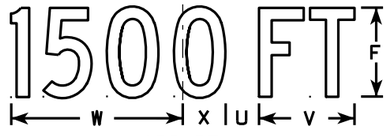
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

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. " _____ LANE" is Series B.
   All other copy is 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	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

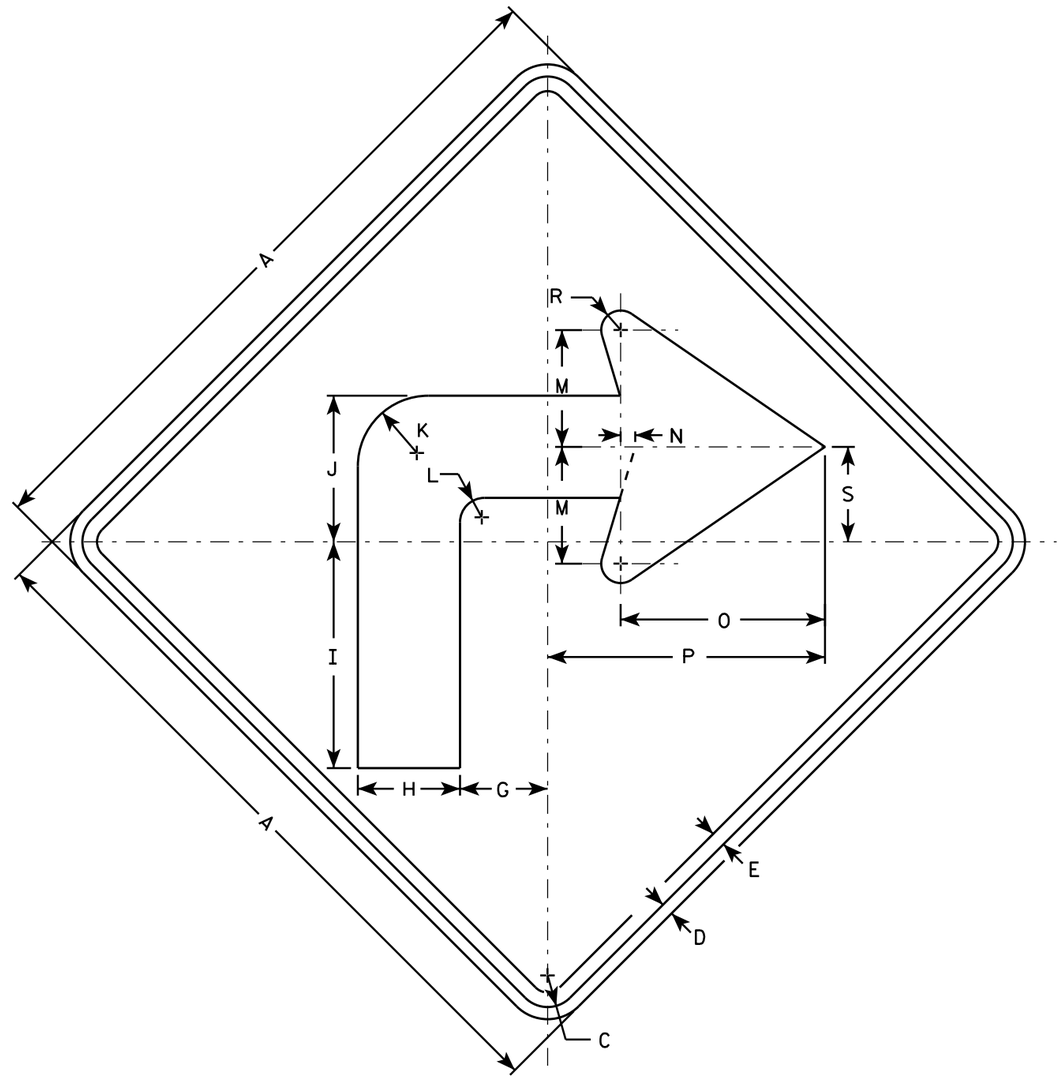
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 369 | E

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FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-1R

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. W01-1L is the same as W01-1R 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		4 1/2	5 1/4	11 5/8	7 1/2	3 5/8	1 1/4	6	3/4	10 1/2	14 1/4		1	4 7/8								9.0
2S	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
2M	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
3	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
4	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0
5	48		2 1/4	3/4	1		6	7	15 1/2	10	4 7/8	1 5/8	8	1	14	19		1 1/4	6 1/2								16.0

STANDARD SIGN
W01-1

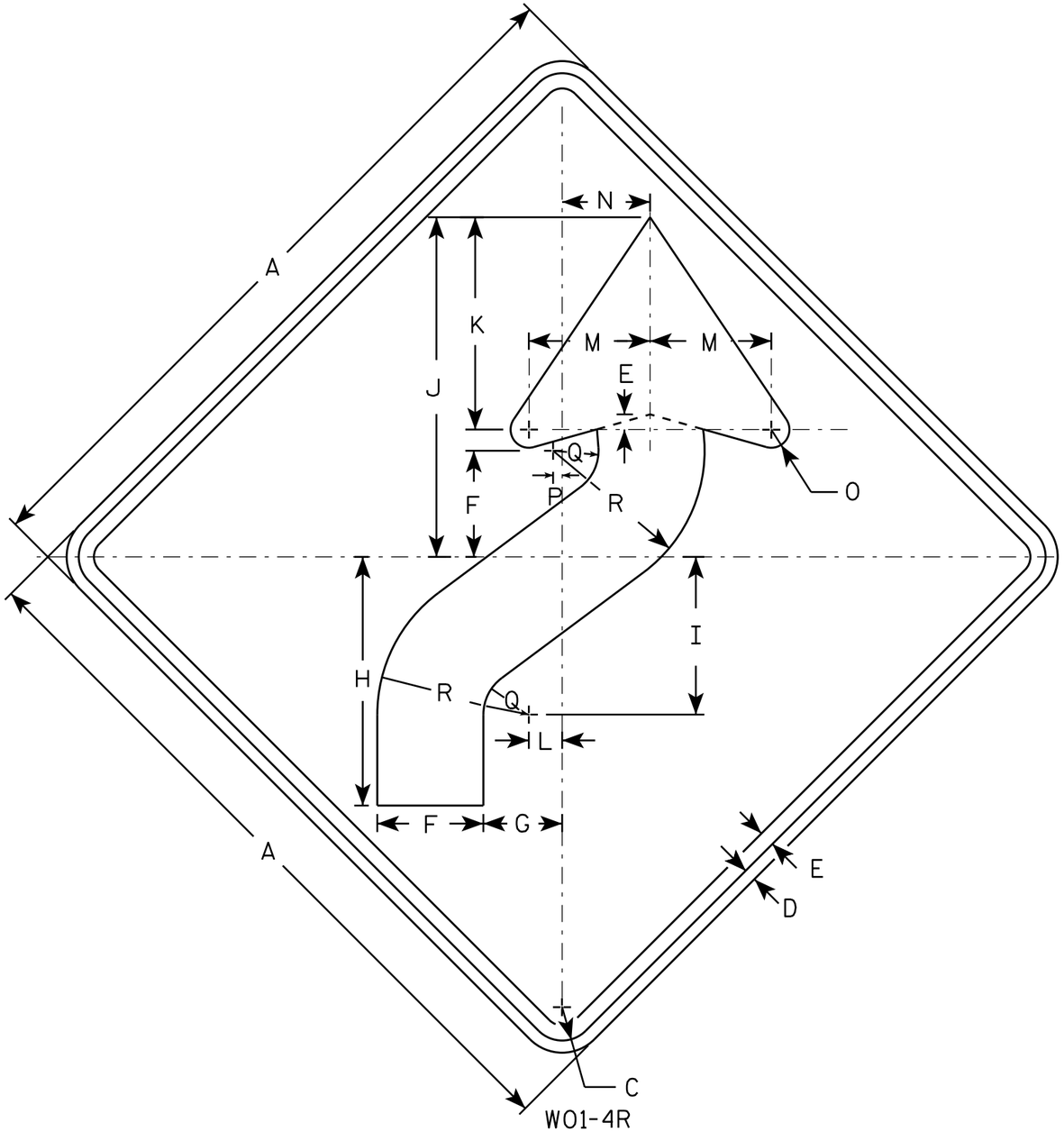
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-1.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W011.DGN PLOT DATE : 28-FEB-2014 11:34 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 7.783368:1.000000
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

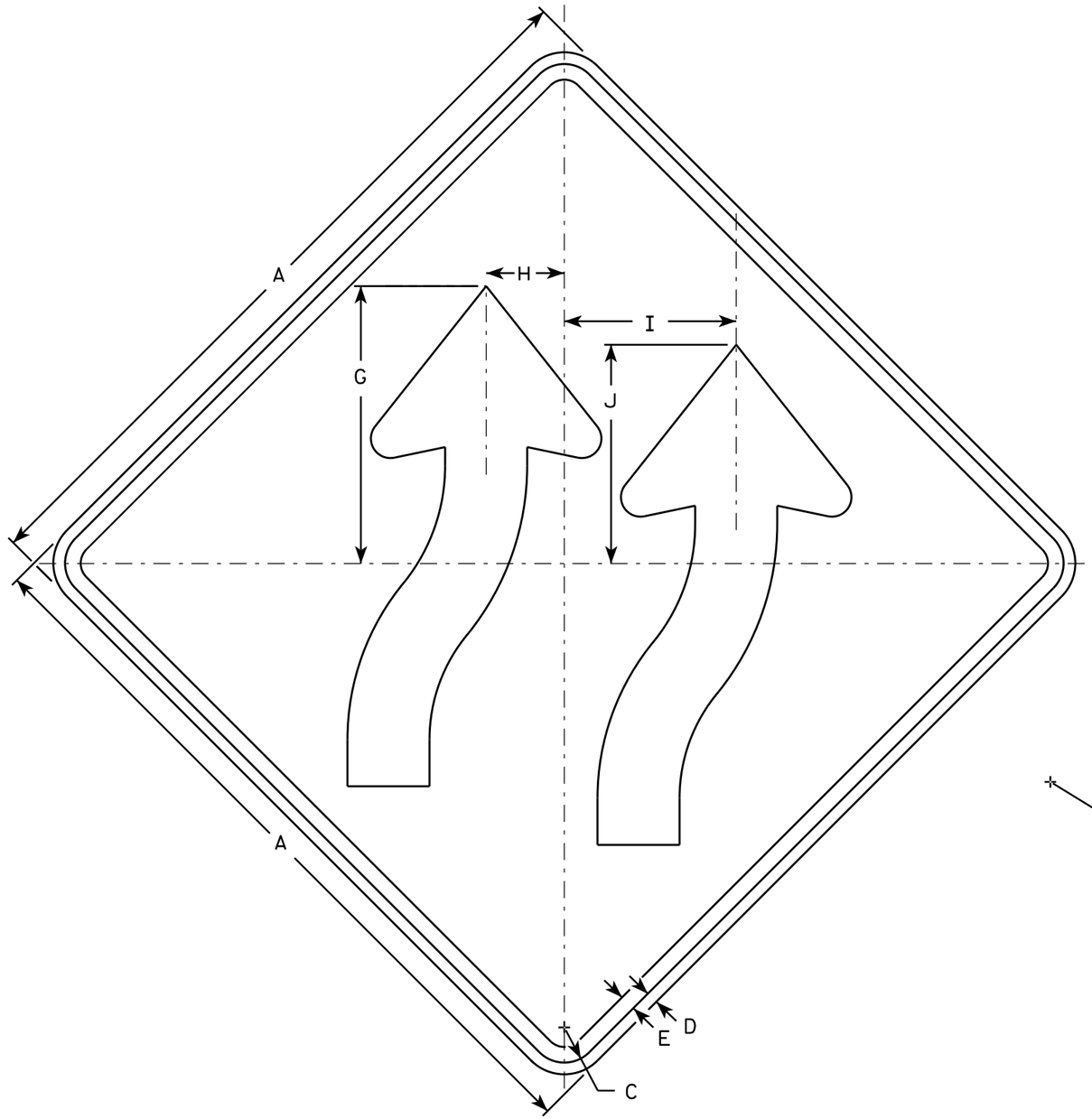
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

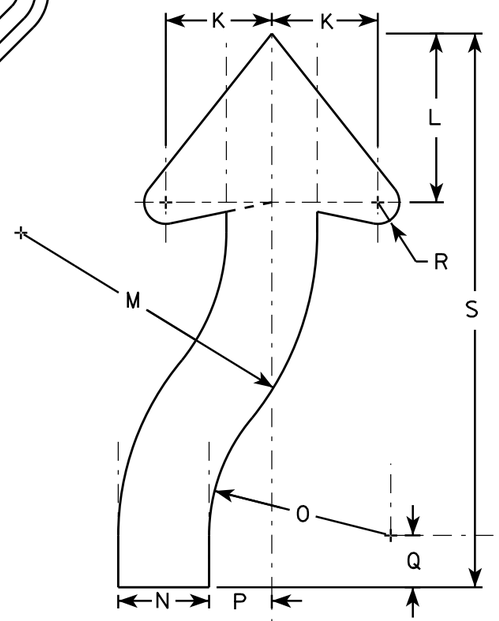
DATE 11/18/13 PLATE NO W01-4.1

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



W01-4bR



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. W01-4bL is the same as W014-bR exept arrows are 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		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

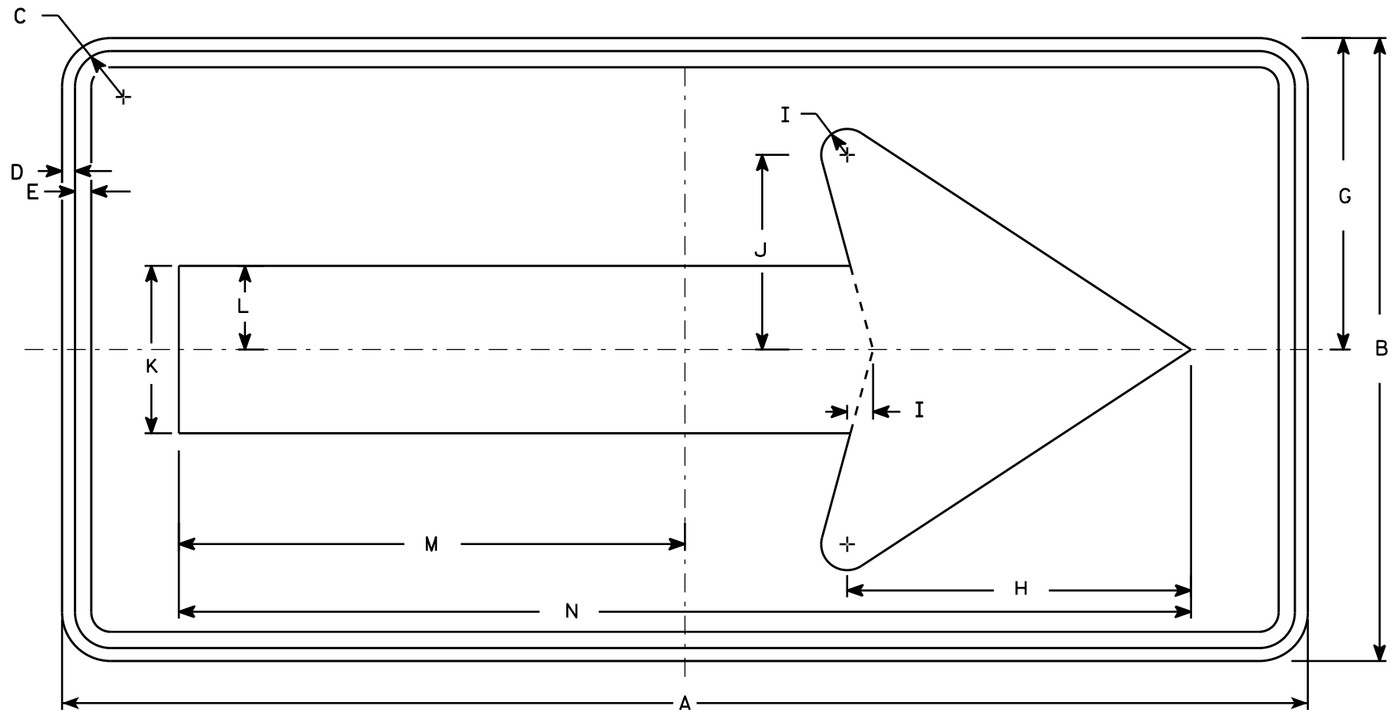
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

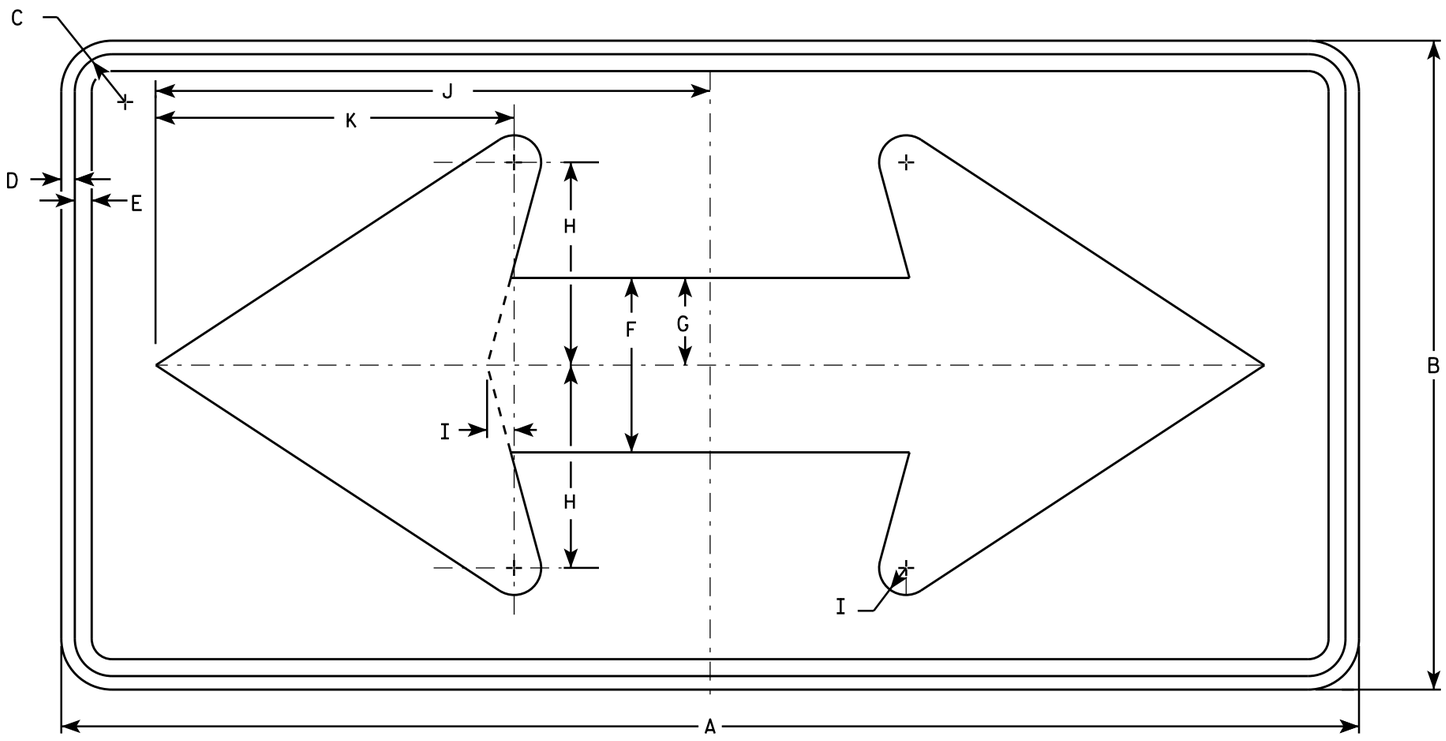
WISCONSIN DEPT OF TRANSPORTATION

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

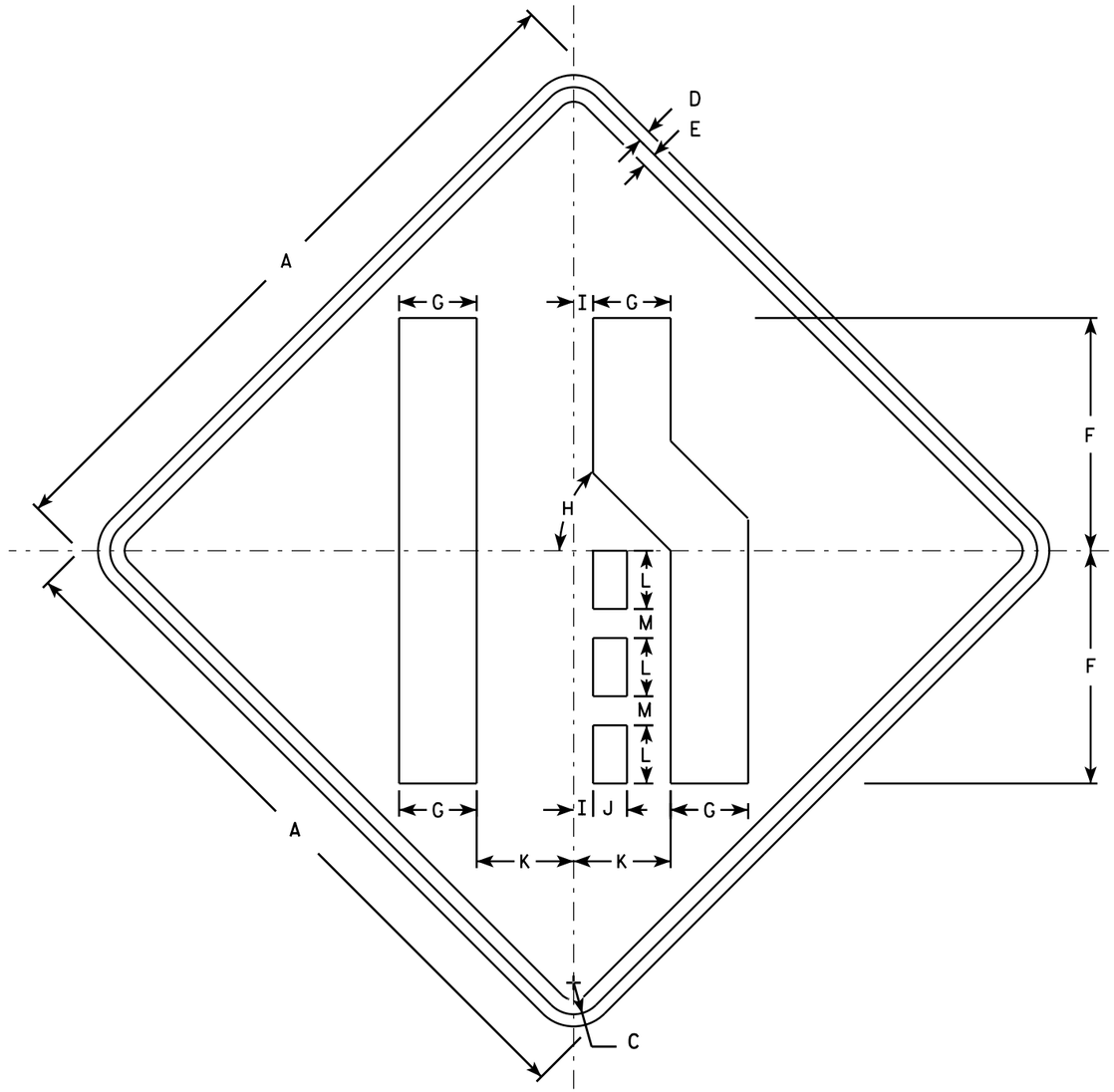
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1374 W01-7.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000 WISDOT/CADDS SHEET 42



W04-2R

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. W04-2L is the same as W04-2R except the symbol 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	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

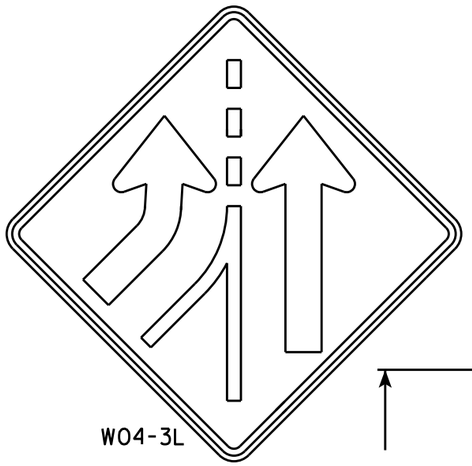
STANDARD SIGN
W04-2

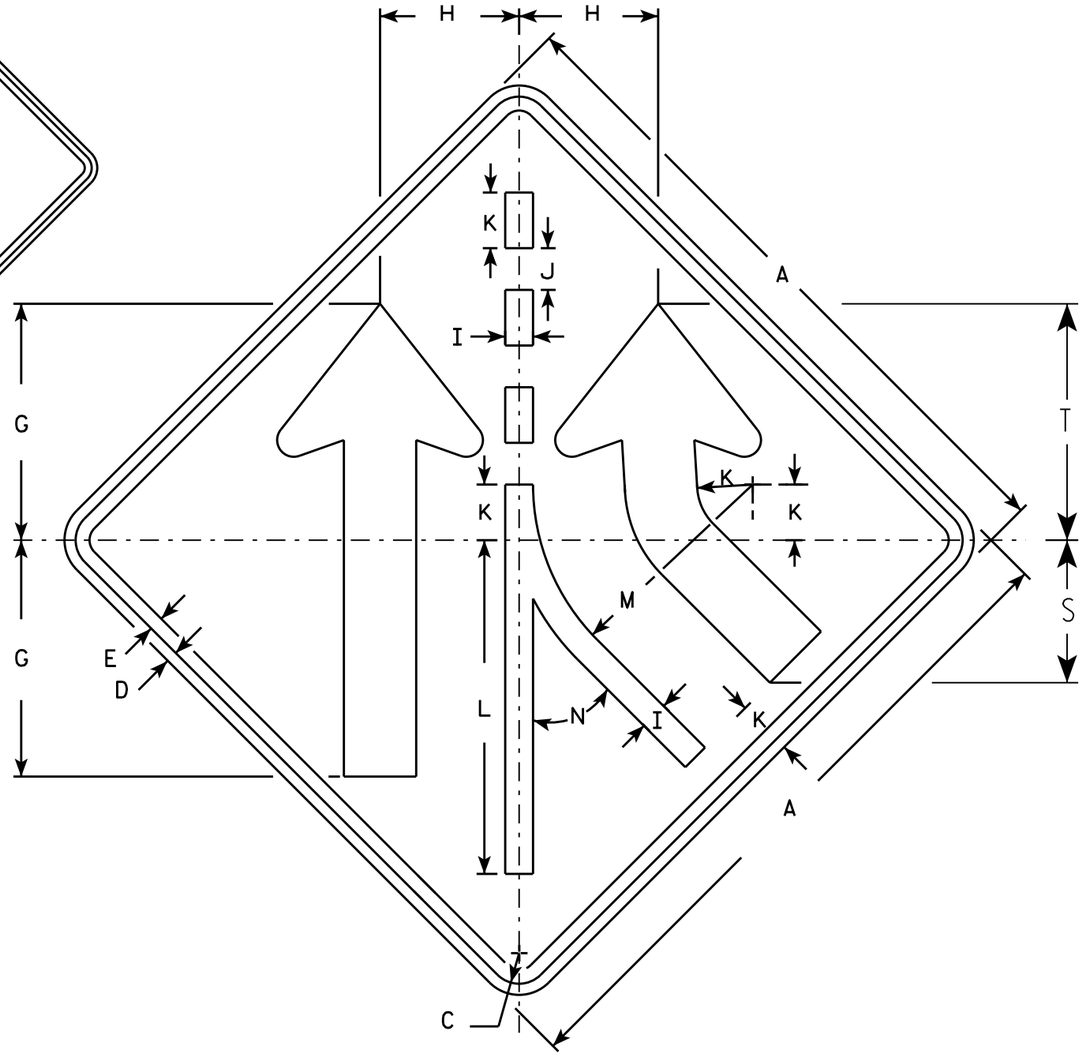
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 375 W04-2.1

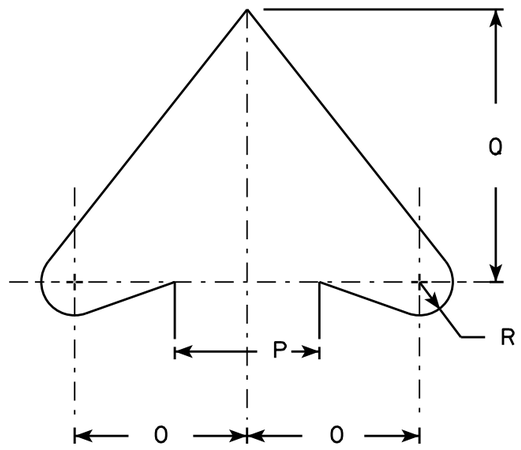
PROJECT NO: | SHEET NO: E





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. W04-3 L is the same as W04-3 R except the arrow is reversed along the vertical centerline.



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	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN

W0433

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/20/13 PLATE W04-3.1

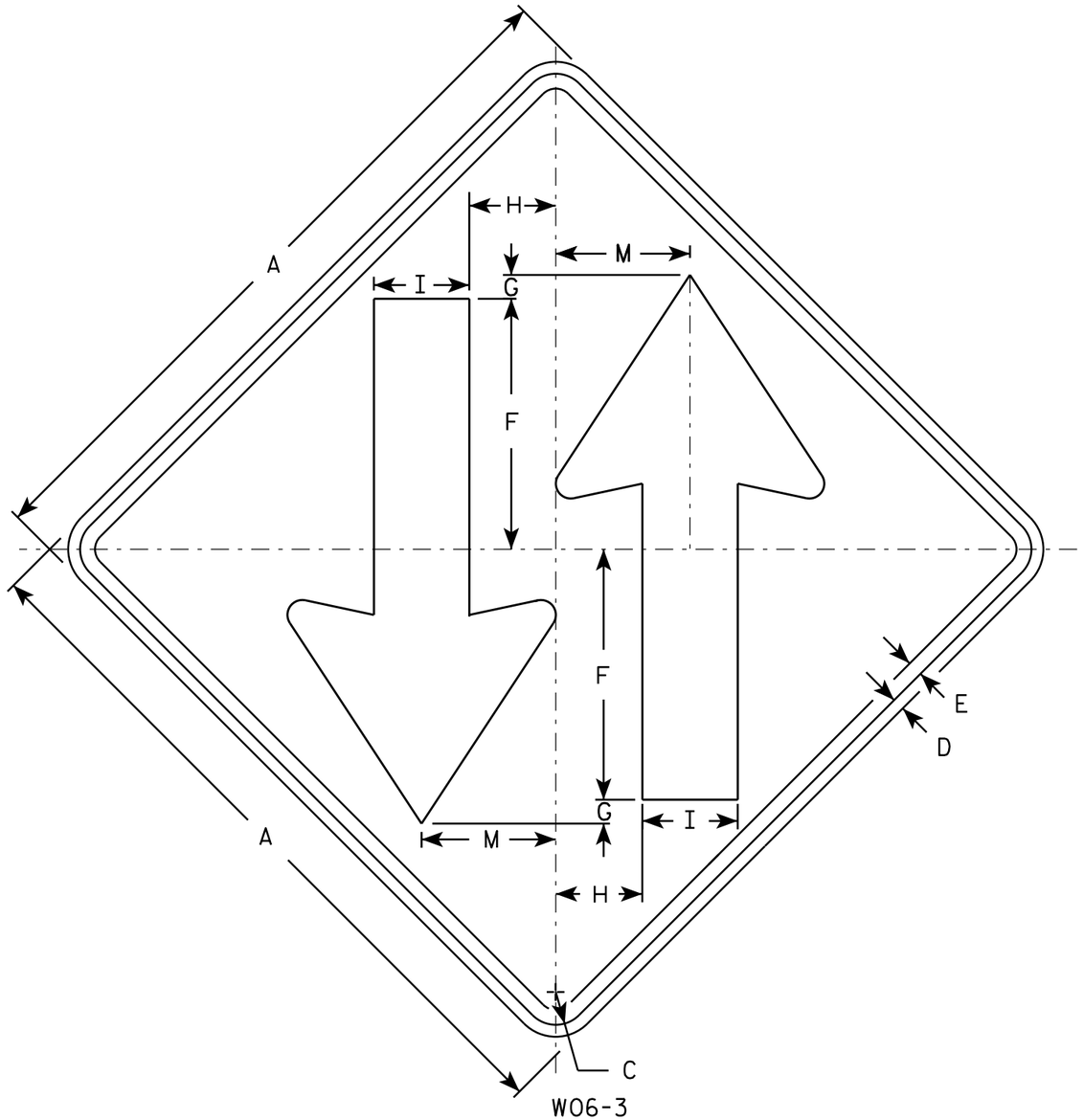
PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W043.DGN PLOT DATE : 20-NOV-2013 11:49 PLOT BY : mscsja 6.810449:1.000000

WISDOT/CADDS SHEET 42

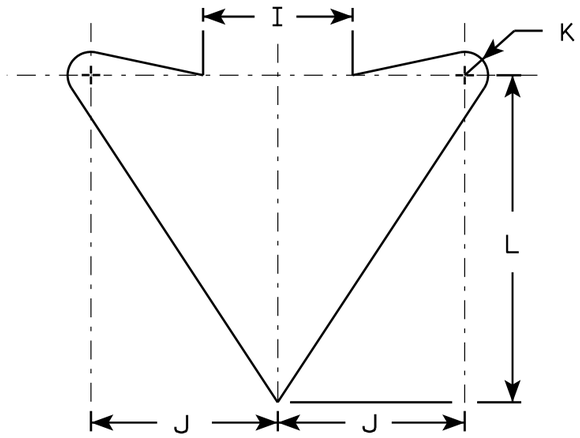
7 7



W06-3

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.



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	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

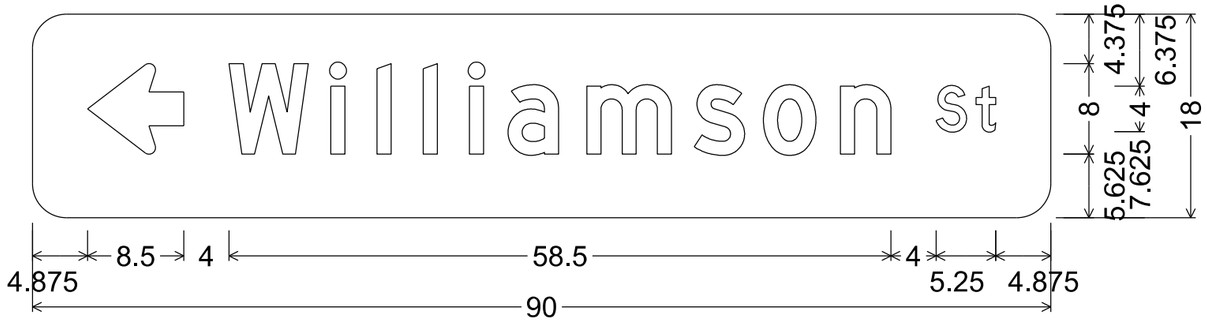
DATE 11/20/13 PLATE 377 W06-3.1

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

NOTES

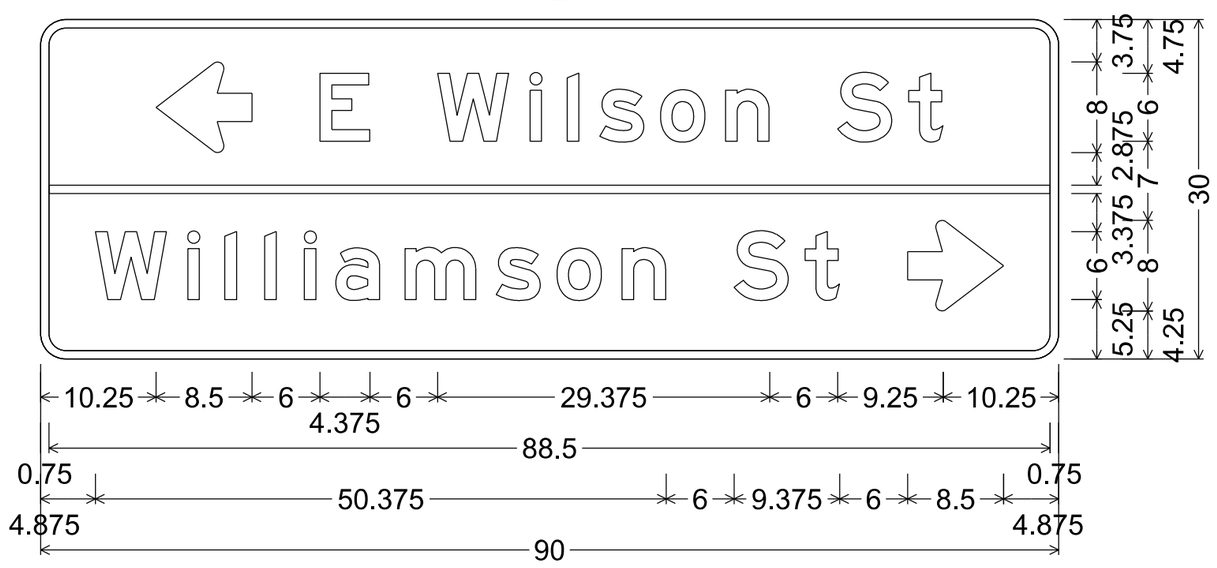
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - E or as noted

2-15



M1-94H; 3.000" Radius, No border
"Williamson", D; "St", D

1-1

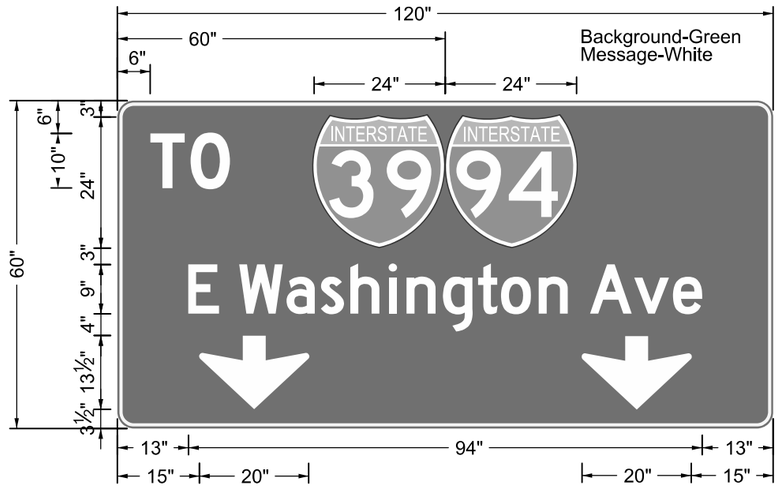


D1-2; 2.250" Radius, 0.750" Border

7

7

PROJECT NO:5400-00-72	HWY:USH 151	COUNTY:DANE	PERMANENT SIGNING	SHEET NO: 378	E



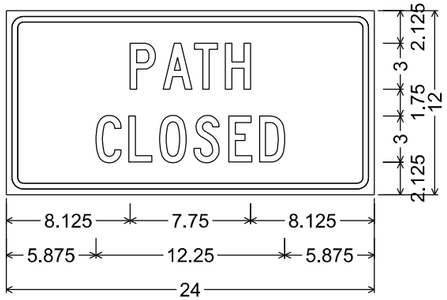
SERIES D
M1-1
Size 2

1-5

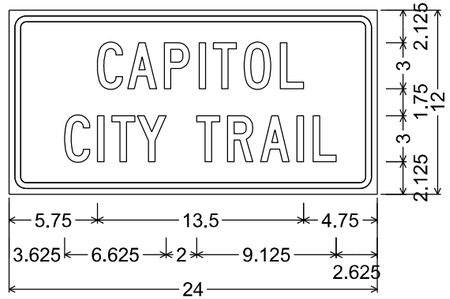
SERIES D

GENERAL NOTES:

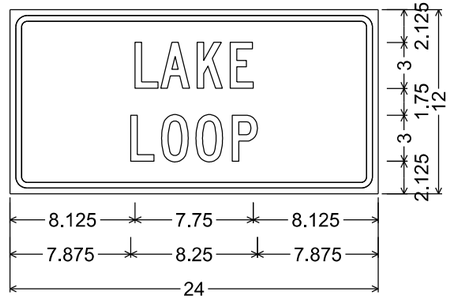
1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIRMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE I AND TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES D". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES D".
6. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
7. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
8. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
9. DO NOT SCALE.



1.125" Radius, 0.375" Border, 0.375" Indent



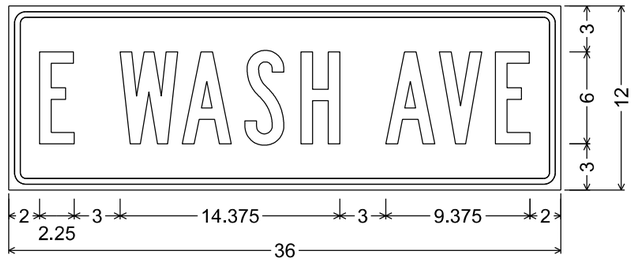
1.125" Radius, 0.375" Border, 0.375" Indent



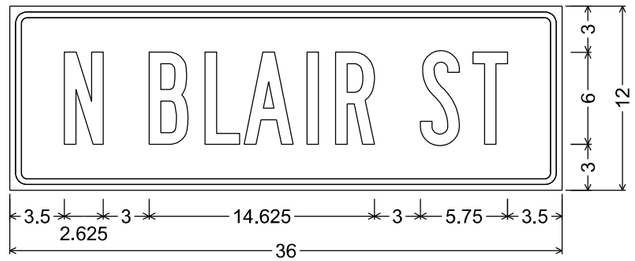
1.125" Radius, 0.375" Border, 0.375" Indent

NOTES

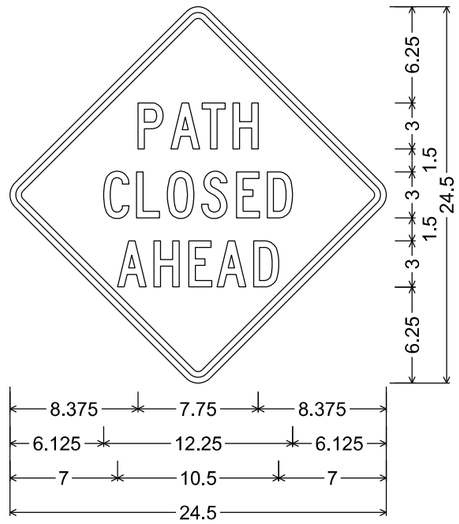
1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C except as noted



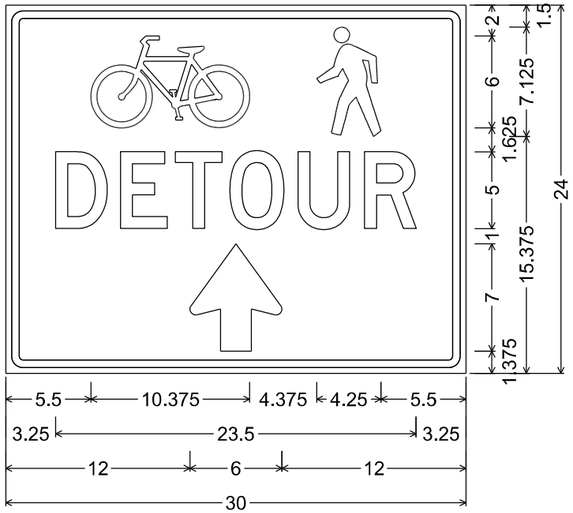
1.125" Radius, 0.375" Border, 0.375" Indent
"E", B; "WASH", B; "AVE", B;



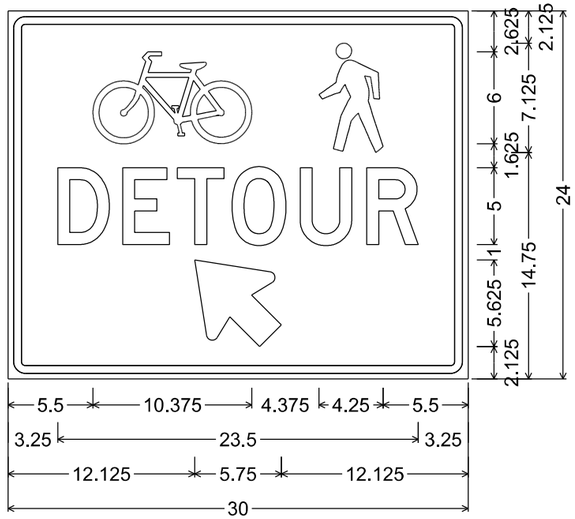
1.125" Radius, 0.375" Border, 0.375" Indent
"N", B; "BLAIR", B; "ST", B;



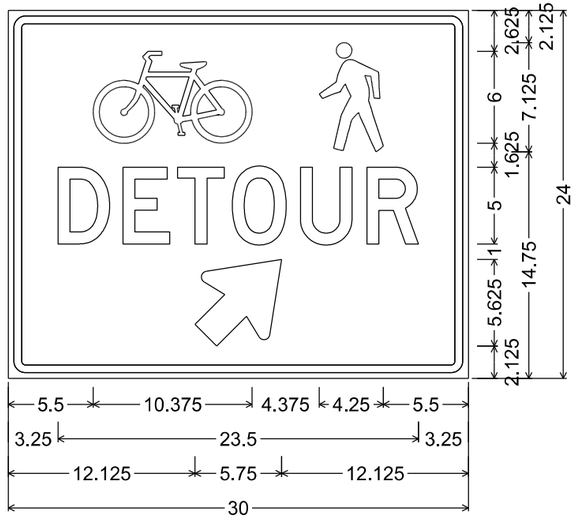
18.000" across sides 1.125" Radius, 0.375" Border, 0.375" Indent



1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D



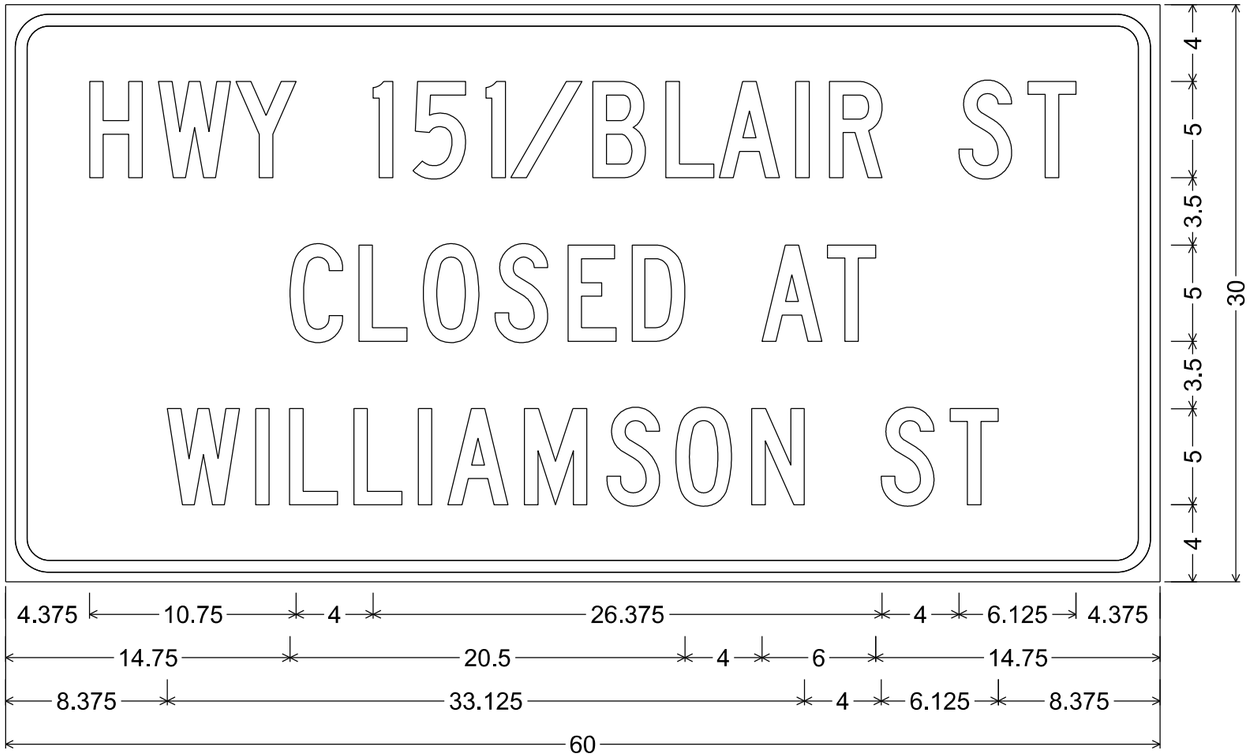
1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D



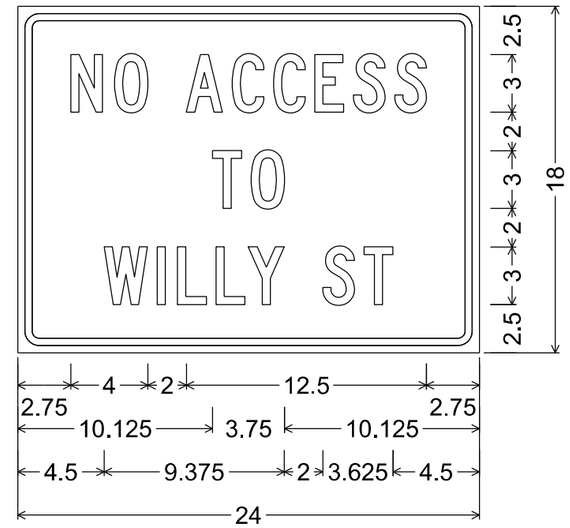
1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D

NOTES

1. Fixed Message Signs Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



2.250" Radius, 0.625" Border, 0.500" Indent
"HWY", C; "151/BLAIR", C; "ST", C; "CLOSED", C; "AT", C; "WILLIAMSON", C; "ST", C



1.125" Radius, 0.375" Border, 0.375" Indent

7

7

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONS DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTERME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY . . . . . f'c = 3,500 psi

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 . . . . . fy = 60,000 psi

HIGH STRENGTH BOLTS - A325 . . . . . fy = 92,000 psi

ANCHOR RODS - ASTM F1554 GRADE 55 . . . . . fy = 55,000 psi

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	S-13-566
531.2042	DRILLING SHAFT 42-INCH	LF	23
531.5140	FOUNDATION SINGLE-SHAFT TYPE MC-IV	EA	1
532.5140	MONOTUBE CANTILEVER TYPE IV	EA	1

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY ZONE, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA.)".

STRUCTURE DATA

SIGN STR	ACTUAL SIGN AREA	ACTUAL SIGN DEPTH	STANDARD TYPE
S-13-566	50 SF	5'-0"	IV

LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. GENERAL LAYOUT S-13-566

LIST OF OSS STANDARD DESIGN DRAWINGS

3. I. MONOTUBE & 2-CHORD TRUSS DETAILS 1
4. II. MONOTUBE & 2-CHORD TRUSS DETAILS 2
5. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
6. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATION DETAILS

STATE PROJECT NUMBER

5400-00-72

TRAFFIC VOLUME

A.D.T. (2042) = 45,000
R.D.S. = 25 MPH

STRUCTURE DESIGN CONTACTS:

AARON BONK	(608) 261-0261
BRETT OFTEDAHL	(608) 251-4843

THESE ARE STANDARD DESIGN PLANS, DEVELOPED AND MAINTAINED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISCONSIN BRIDGE MANUAL CHAPTER 39.

WISCONSIN PROFESSIONAL ENGINEER
BRETT M. OFTEDAHL
E-41123
MADISON
WI
5/27/21

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED SDR 08/17/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

MONOTUBE AND 2-CHORD TRUSS PLANS

WILSON / WILLIAMSON ST INTERSECTION

COUNTY: DANE | ~~TOWN~~/CITY/~~VILLAGE~~: MADISON

DESIGN SPEC.: AASHTO LRFDLTS-1 W/INTERIMS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
BOS	BOS	RAJ	BMO

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 2
382

I.D. 5400-00-72 DATE: 05/2021

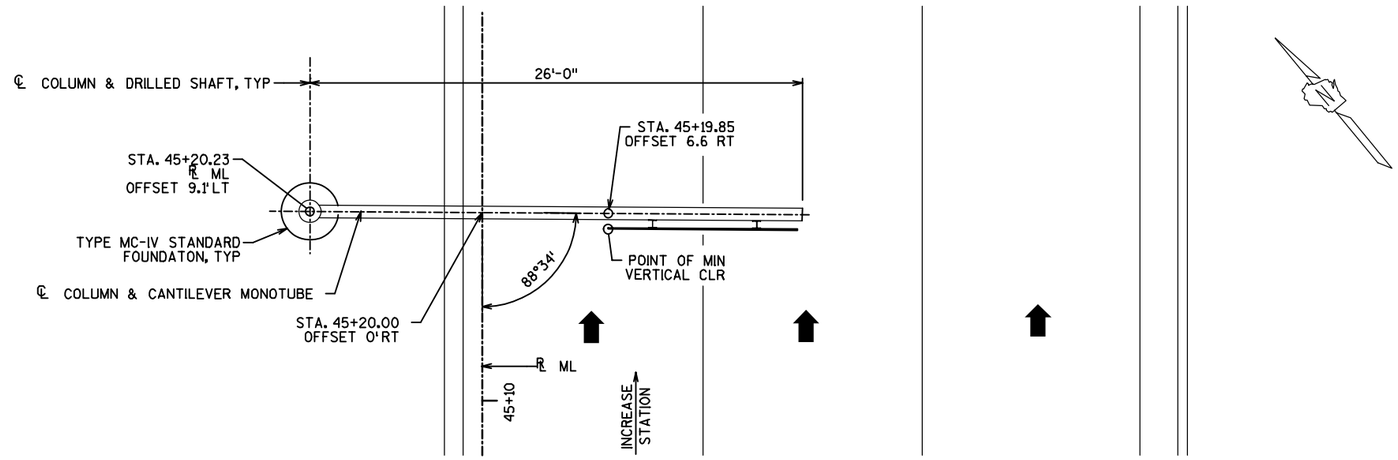
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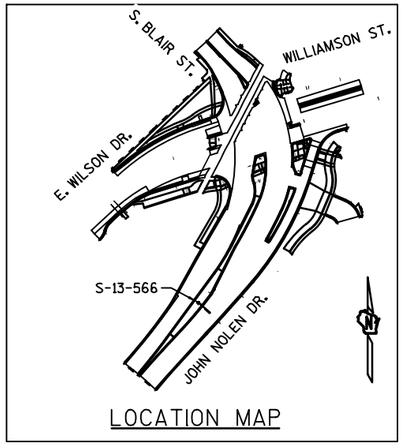
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STATE PROJECT NUMBER

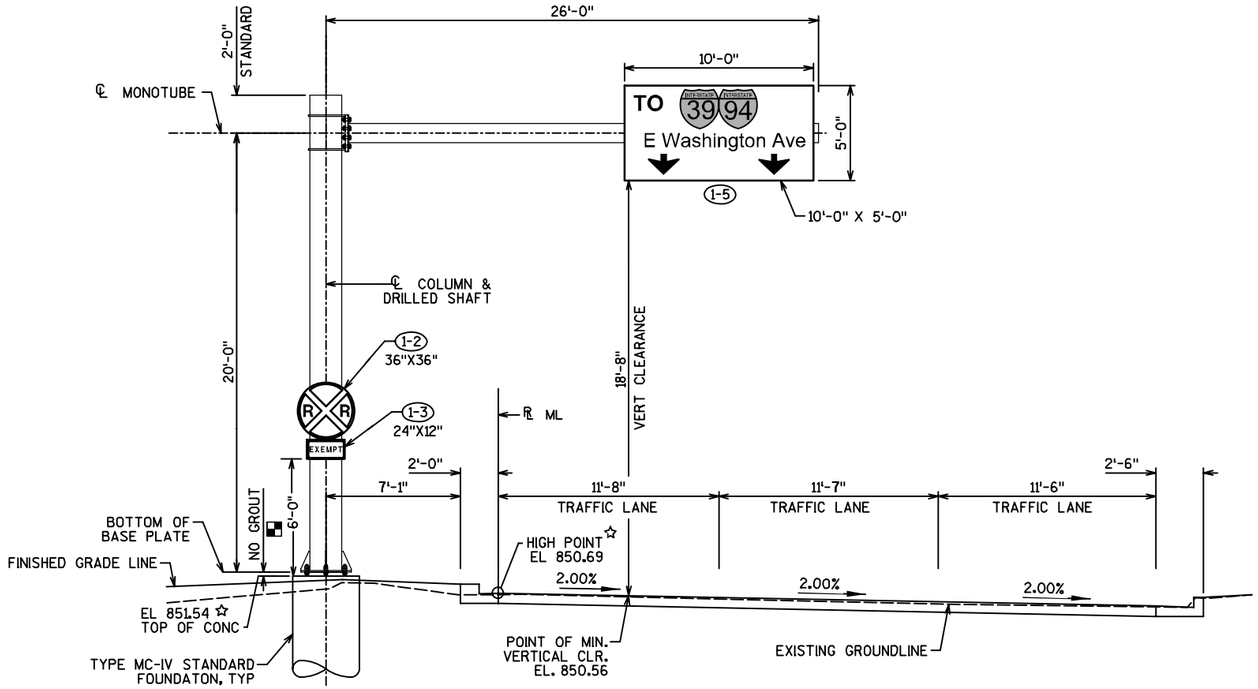
5400-00-72



PLAN



LOCATION MAP



ELEVATION

STA 45+20.00
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 45+19.85, 6.6'RT
EL 850.56

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

STANDOFF DIMENSION IS ASSUMED TO BE 2½", BUT IS A MAXIMUM OF 2 X ANCHOR DIMENSION. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-13-566

DRAWN BY RAJ | PLANS CK'D. BMO

GENERAL LAYOUT
S-13-566

SHEET 2 OF 2
383

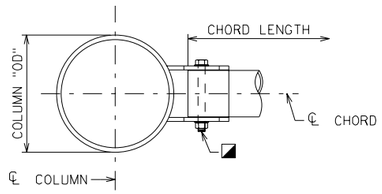
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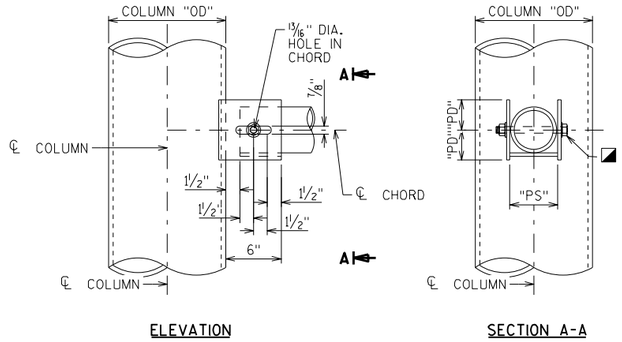
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STATE PROJECT NUMBER

STANDARD



PLAN



ELEVATION SECTION A-A

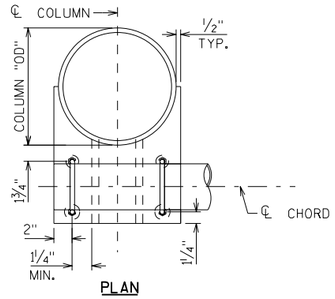
FULL SPAN SADDLE CONNECTION

PREFERRED

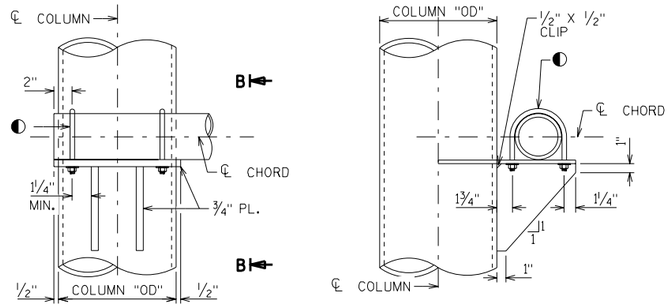
3/4" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT, WASHER

"PD" = (CHORD "OD")/2 + 3/4"

"PS" = CHORD "OD" + 3/16"



PLAN

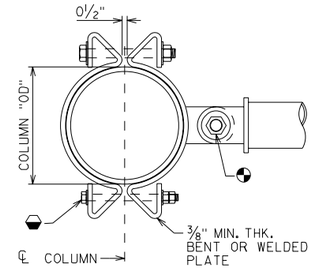


ELEVATION SECTION B-B

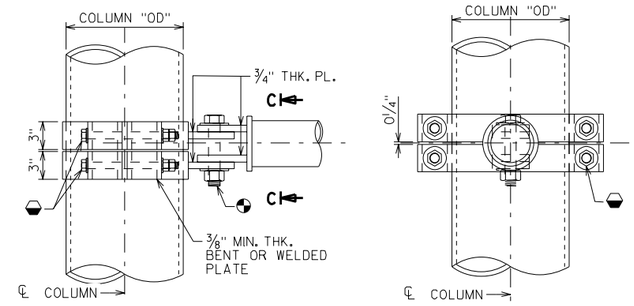
FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

◐ (2) - 1/2" MIN. GALVANIZED U-BOLT, NUT, WASHER AND LOCK WASHER



PLAN



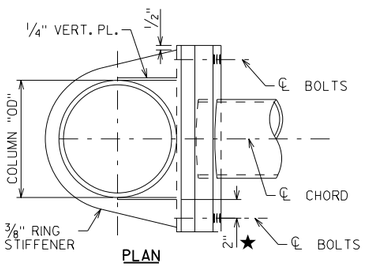
ELEVATION SECTION C-C

FULL SPAN CLAMP CONNECTION

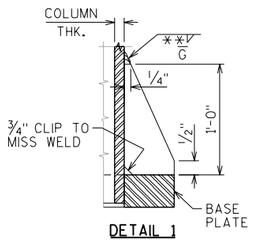
ALTERNATE 2 - TAPERED COLUMNS ONLY

1 1/4" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

1" GALVANIZED A449 HEAVY HEX BOLT, NUT AND WASHER

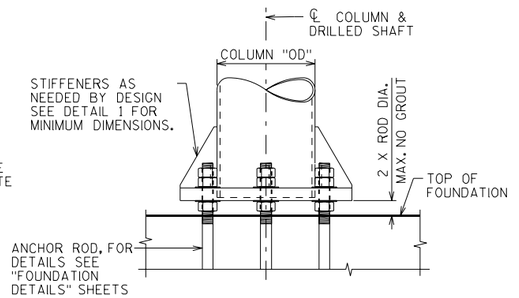


PLAN



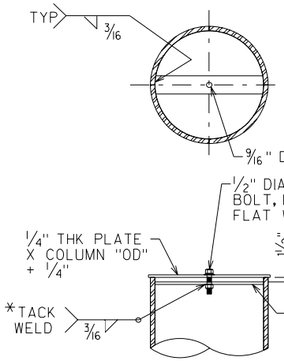
DETAIL 1

** SIZE AS NEEDED



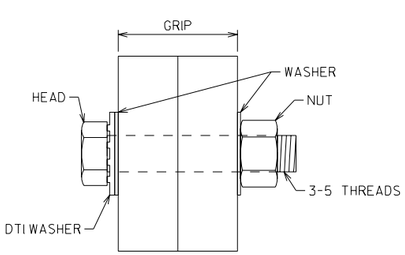
BASE PLATE & COLUMN DETAIL

LOOKING AT FRONT FACE OF STRUCTURE



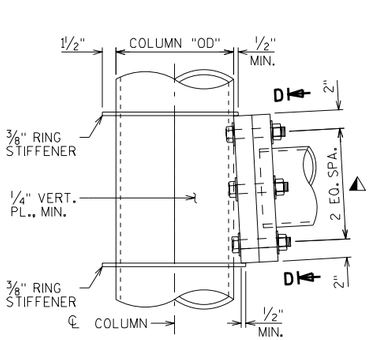
COLUMN/CHORD CAP DETAIL

* PLACE TACK EVERY OTHER FLAT TO SECURE NUT OR USE 1/2" THICK PLATE AND TAP HOLE FOR BOLT THREADS

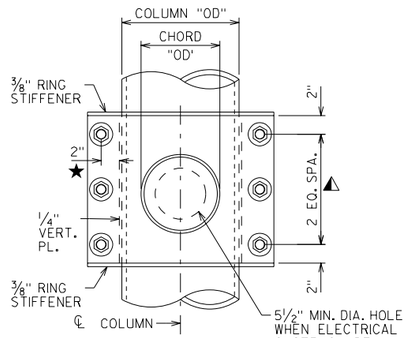


RECOMMENDED BOLT DETAIL WITH DTI

NUT IS THE TURNED ELEMENT



ELEVATION

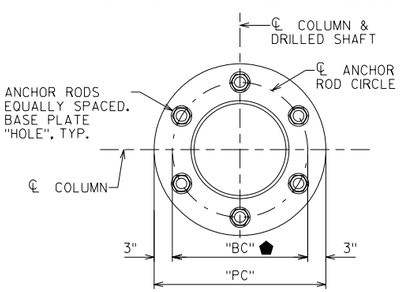


SECTION D-D

CANTILEVER POST TO CHORD CONNECTION

⚠ MIN. CONNECTION = (6) - 1" GALVANIZED F3125 GRADE A325 BOLTS, NUT, WASHER AND DTI

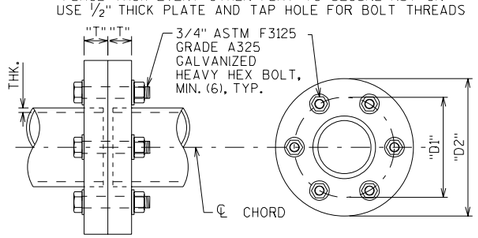
★ MIN. DIMENSION MEASURED FROM EXT. FACE OF VERT. PLATE



BASE PLATE

PLAN

⬟ "BC" = POLE OD + 6"



CHORD SPLICE DETAIL

"D1" = CHORD "OD" + 3"

"D2" = CHORD "OD" + 6"

"T" = BY DESIGN

NOTES:

MINIMUM VALUES SHOWN

ALL CONNETIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURE LOADS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 1

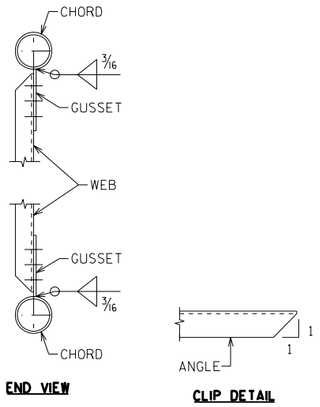
SHEET 1 OF IV

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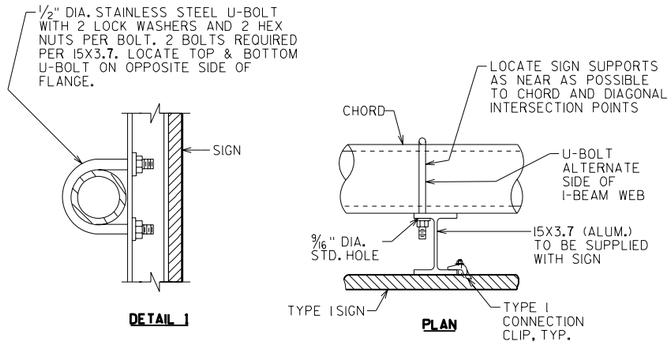


END VIEW

CLIP DETAIL

TRUSS CONNECTION DETAILS

BOLTED CONNECTIONS SHOWN, NUMBER OF BOLTS BY DESIGN
WELDED CONNECTIONS SIMILAR

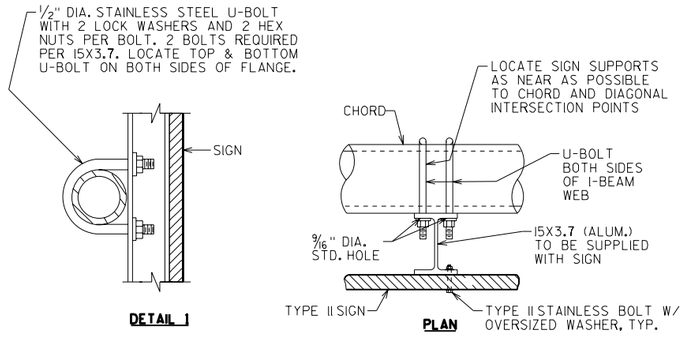


DETAIL 1

PLAN

2-CHORD TRUSS SIGN CONNECTION

SEE SIGN PLATE MANUAL A4-7A FOR DETAILS

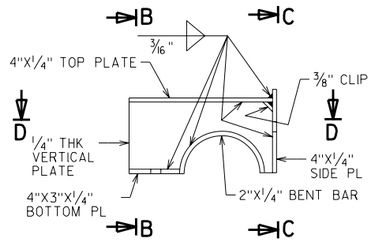


DETAIL 1

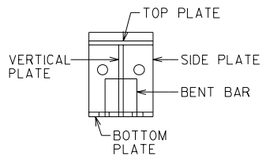
PLAN

MONOTUBE SIGN CONNECTION

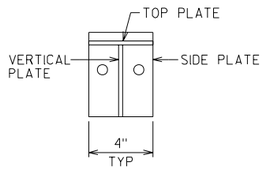
SEE SIGN PLATE MANUAL A4-7B FOR DETAILS



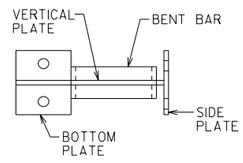
ELEVATION



SECTION B-B



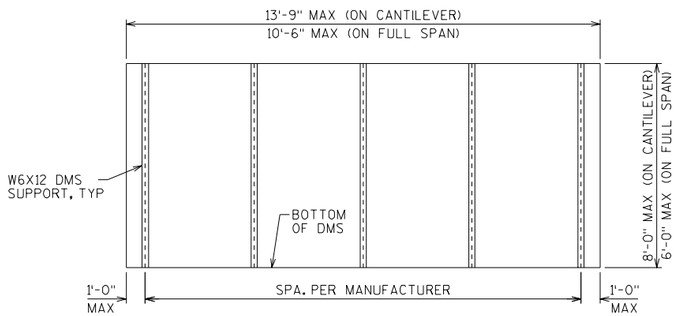
SECTION C-C



SECTION D-D

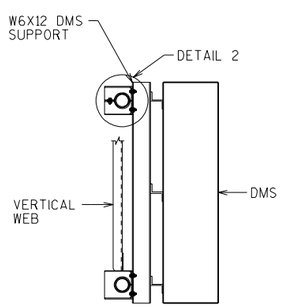
DMS WELDED PLATE CONNECTION DETAILS

TOP PLATE CLAMP SHOWN
BOTTOM PLATE CLAMP SIMILIAR



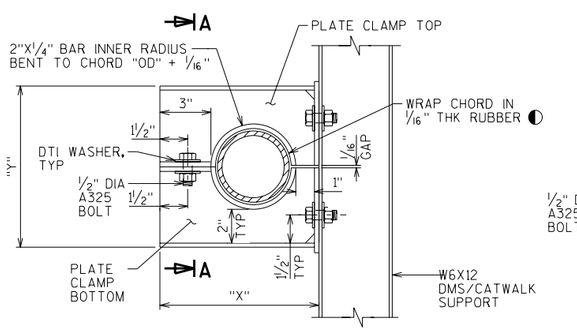
DMS MOUNTING POST SPACING DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF CONFLICT WITH TRUSS IS ENCOUNTERED.



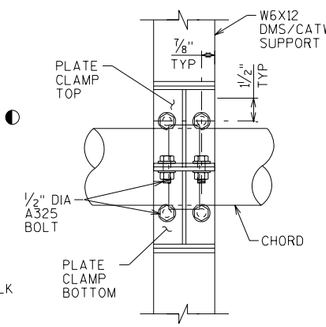
SECTION THRU TRUSS

FOR DMS CONNECTION



CHORD OUTER DIA	"X"	"Y"
"OD"	"OD"+4 13/16"	"OD"+5 1/16"

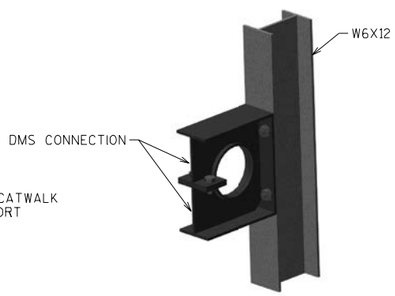
DETAIL 2



SECTION A-A

TYPICAL DMS CONNECTION

◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD SPEC 506.2.6.1



3-D VIEW DMS CONNECTION

CHORD NOT SHOWN FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY: BOS | PLANS CK'D.: BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 2

SHEET 11 OF IV

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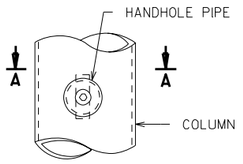
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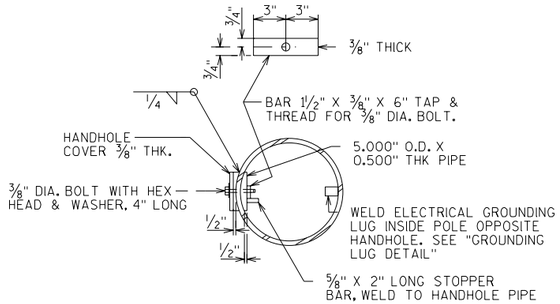
8

STATE PROJECT NUMBER

STANDARD



HANDHOLE DETAILS

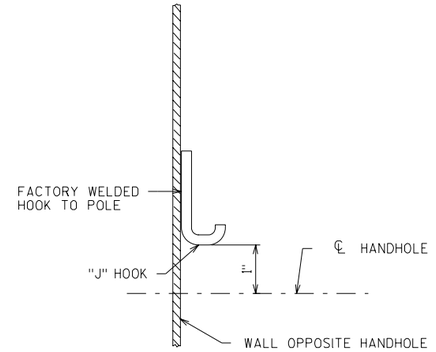


SECTION A-A

HANDHOLE NOTES

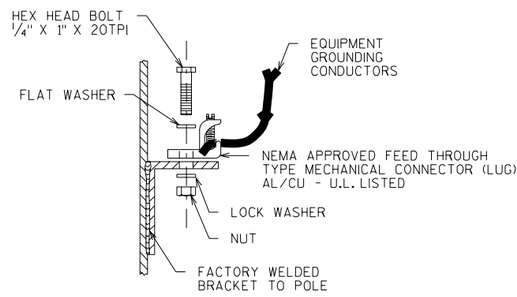
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS NOTED OTHERWISE, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



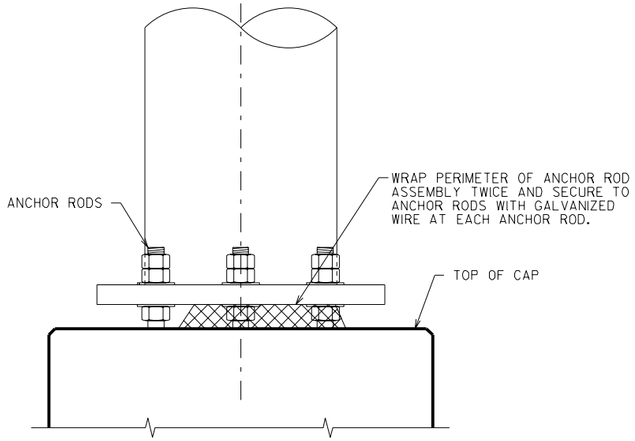
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



RODENT SCREEN

(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III OF IV

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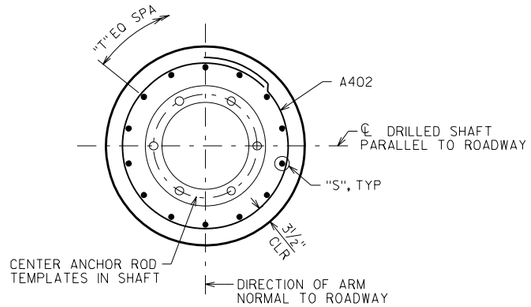
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STATE PROJECT NUMBER

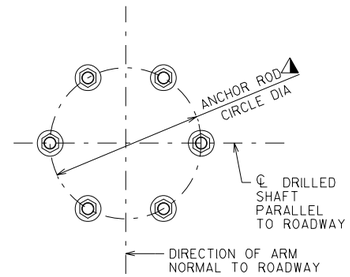
STANDARD

FOUNDATION & REINFORCING DATA

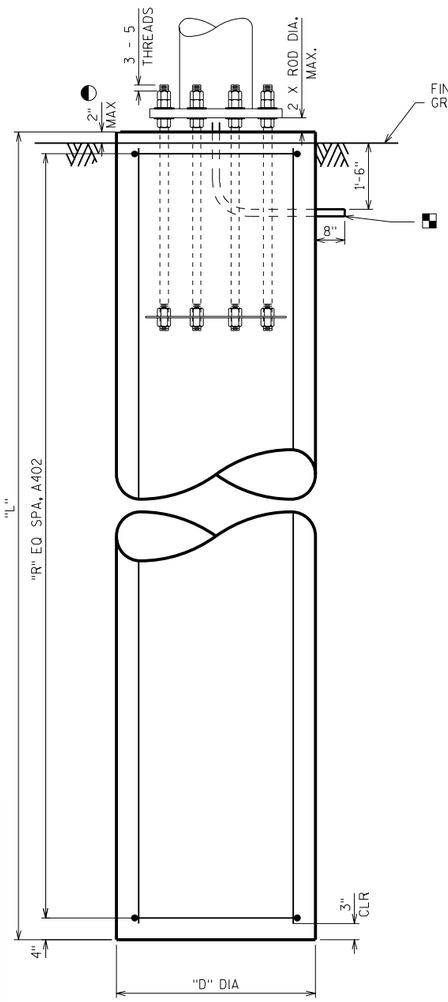
STANDARD FOUNDATION TYPE	SHAFT VARIABLES					
	"D"	"L"	"R"	"S"	"T"	"BC" MAX
MFI	2'-0"	12'-0"	12	A801	6	12"
MFII	2'-6"	13'-0"	13	A801	10	17"
MCI/MCII/TFI	2'-6"	17'-0"	17	A801	10	17"
TCI	3'-0"	18'-0"	18	A801	14	22"
TFII	3'-0"	20'-0"	20	A801	14	22"
MCIII/TCII/TFIII	3'-6"	18'-0"	18	A901	14	28"
MCIV/TFIV	3'-6"	23'-0"	23	A901	14	28"
TCIII	4'-0"	23'-0"	23	A1001	14	34"
TCIV	4'-0"	28'-0"	28	A1001	14	34"



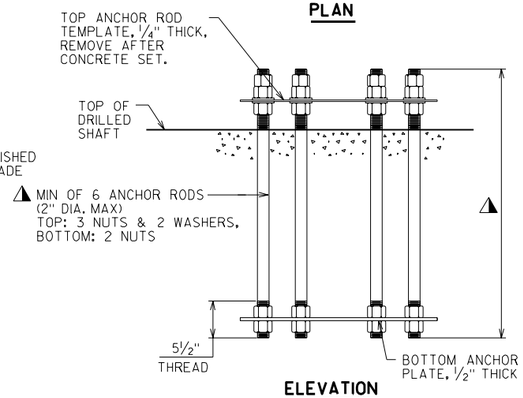
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PLAN



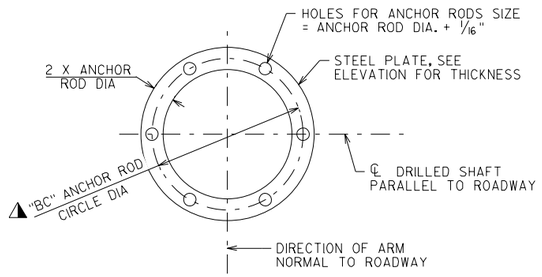
ELEVATION



ELEVATION

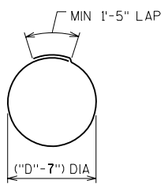
ANCHOR ROD ASSEMBLY DETAILS

⚠ ANCHOR ROD NUMBER, DIAMETER, LENGTH & ORIENTATION AS SHOWN ON FABRICATION DRAWING.



ANCHOR PLATE/TOP TEMPLATE

PLAN



A402

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS - STANDARD FOUNDATIONS

STANDARD FOUNDATION MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		6	11'-7"			DRILLED SHAFT - VERTICAL
A402		13	5'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	12'-7"			DRILLED SHAFT - VERTICAL
A402		14	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-7"			DRILLED SHAFT - VERTICAL
A402		18	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-7"			DRILLED SHAFT - VERTICAL
A402		21	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	12'-2"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-7"			DRILLED SHAFT - VERTICAL
A402		29	12'-2"	X		DRILLED SHAFT - HORIZONTAL

ESTIMATED QUANTITIES - FOUNDATIONS

STANDARD FOUNDATION TYPE	CONCRETE MASONRY (CY)	STEEL REINFORCEMENT HS (LBS)	FOUNDATION DRILLING (LF)				
			24" DIA.	30" DIA.	36" DIA.	42" DIA.	48" DIA.
MFI	2	240	12				
MFII	3	410		13			
MCI/MCII/TFI	4	540		17			
TCI	5	780			18		
TFII	6	860			20		
MCIII/TCII/TFIII	7	970				18	
MCIV/TFIV	9	1,250				23	
TCIII	11	1,560					23
TCIV	13	1,900					28

✳✳ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON STANDARD STRUCTURE DIMENSIONS

NOTES

CENTER ANCHOR ROD ASSEMBLY ON DRILLED SHAFT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

◐ FOR OVERHEAD SIGN STRUCTURES THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE SHAFT SHALL BE POURED FLUSH WITH THE FINISHED GRADE.

◪ 2" DIA NONMETALLIC CONDUITS, INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO THE DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET IV OF IV

387

SCALE = 1.67

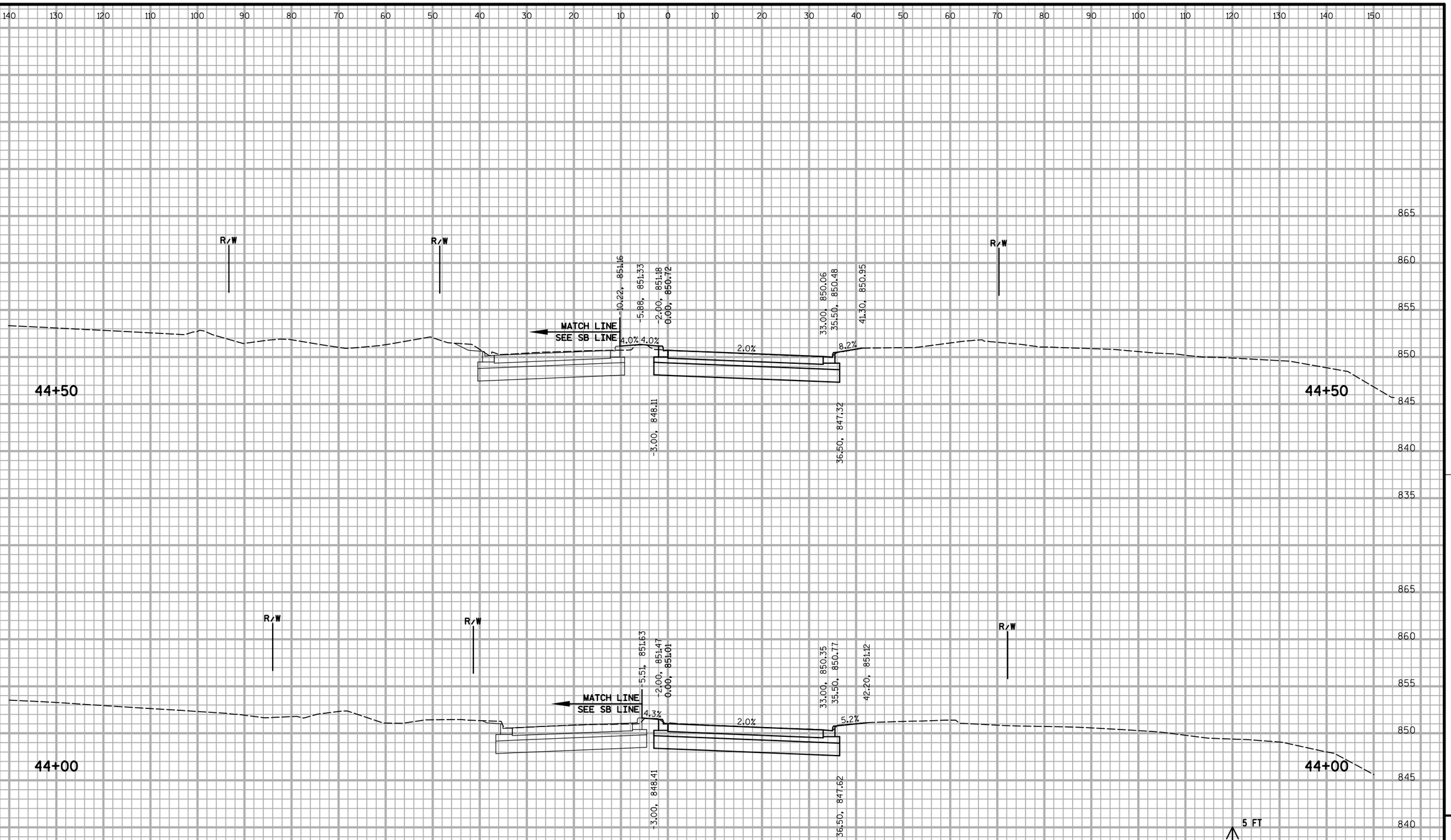
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MAINLINE Line		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
44+00		112.4	28.7	2.4	10.7	0	0	0	0	0	0	0
44+50	50	110.3	32.8	4.5	10.5	204	61	8	19	204	10	123
45+00	50	67.2	26.3	6.4	6.4	124	49	12	12	329	25	178
45+50	50	92.4	29.6	5.4	8.8	171	55	10	16	500	38	274
46+00	50	121.8	31.8	3.3	11.6	226	59	6	21	725	45	422
46+50	50	142.8	35.9	4.3	13.6	264	67	8	25	990	55	598
47+00	50	134.4	37.5	7.6	12.8	249	69	14	24	1,239	73	748
47+50	50	139.7	44.7	13.9	13.3	259	83	26	25	1,497	105	879
48+00	50	148.1	59.5	16.0	14.1	274	110	30	26	1,771	142	993
48+50	50	150.2	39.4	0.0	14.3	278	73	0	26	2,049	142	1,184
49+00	50	107.1	27.2	0.0	10.2	198	50	0	19	2,248	142	1,323
49+50	50	92.4	20.2	2.4	8.8	171	37	4	16	2,419	148	1,443
50+00	50	75.6	17.8	1.2	7.2	140	33	2	13	2,559	150	1,541
				COLUMN TOTALS		2,559	746	120	244			

SB Line		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
144+00		88.2	22.8	2.4	8.4	0	0	0	0	0	0	0
144+50	50	92.4	20.8	2.4	8.8	171	39	4	16	171	5	119
145+00	50	98.7	18.9	2.4	9.4	183	35	4	17	354	11	253
145+50	50	146.0	16.7	2.4	13.9	270	31	4	26	624	16	474
146+00	50	199.5	14.1	2.4	19.0	369	26	4	35	994	22	794
146+50	50	214.2	8.0	2.4	20.4	397	15	4	38	1,390	27	1,151
147+00	50	223.7	10.0	2.4	21.3	414	19	4	39	1,804	33	1,522
147+50	50	100.8	24.3	1.2	9.6	187	45	2	18	1,991	36	1,652
148+00	50	110.3	30.0	0.0	10.5	204	56	0	19	2,195	36	1,791
148+50	50	110.3	31.0	0.0	10.5	204	57	0	19	2,399	36	1,928
149+00	50	107.1	28.7	1.2	10.2	198	53	2	19	2,598	38	2,061
149+50	50	87.2	24.9	1.2	8.3	161	46	2	15	2,759	41	2,166
150+00	50	76.7	20.8	1.2	7.3	142	39	2	14	2,901	44	2,259
				COLUMN TOTALS		2,901	460	35	276			

A Line		AREA (SF)				INCREMENTAL VOL (CY) (UNADJUSTED)				CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT NOTE 1	SALVAGED PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.25	MASS ORDINATE NOTE 4
5+00		41.0	10.3	0.0	3.9	0	0	0	0	0	0	0
5+50	50	44.1	11.1	0.0	4.2	82	21	0	8	82	0	57
6+00	50	51.5	12.6	0.0	4.9	95	23	0	9	177	0	125
6+50	50	57.8	15.4	0.0	5.5	107	29	0	10	284	0	198
7+00	50	76.7	15.4	3.2	7.3	142	28	6	14	426	7	297
7+50	50	76.7	26.5	3.2	7.3	142	49	6	14	568	15	376
7+72	22	102.9	26.5	0.0	9.8	84	22	0	8	652	15	434
8+00	28	67.2	7.3	4.2	6.4	70	8	4	7	721	20	488
8+50	50	59.9	0.0	0.0	5.7	111	0	0	11	832	20	593
				COLUMN TOTALS		832	179	16	79			

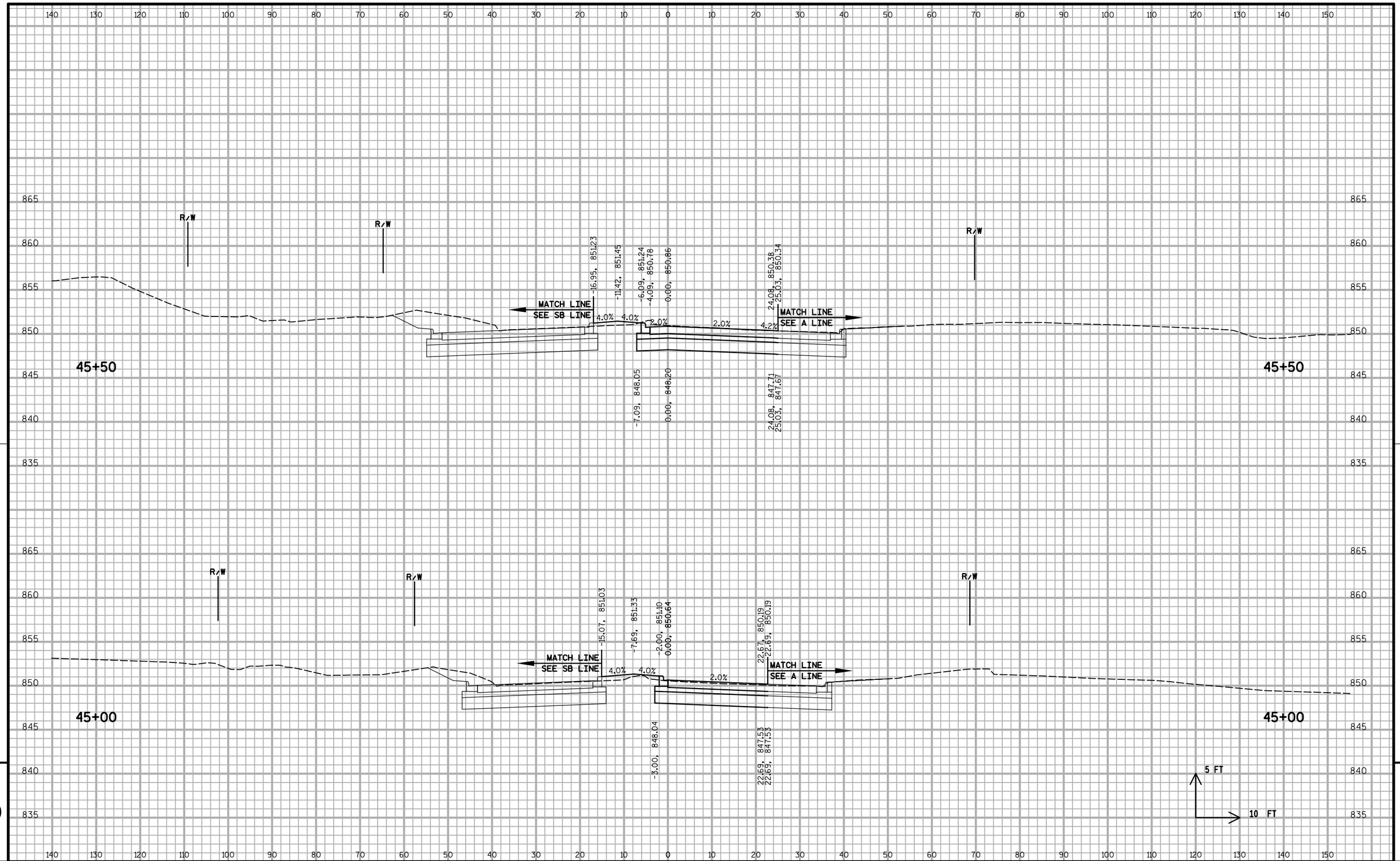


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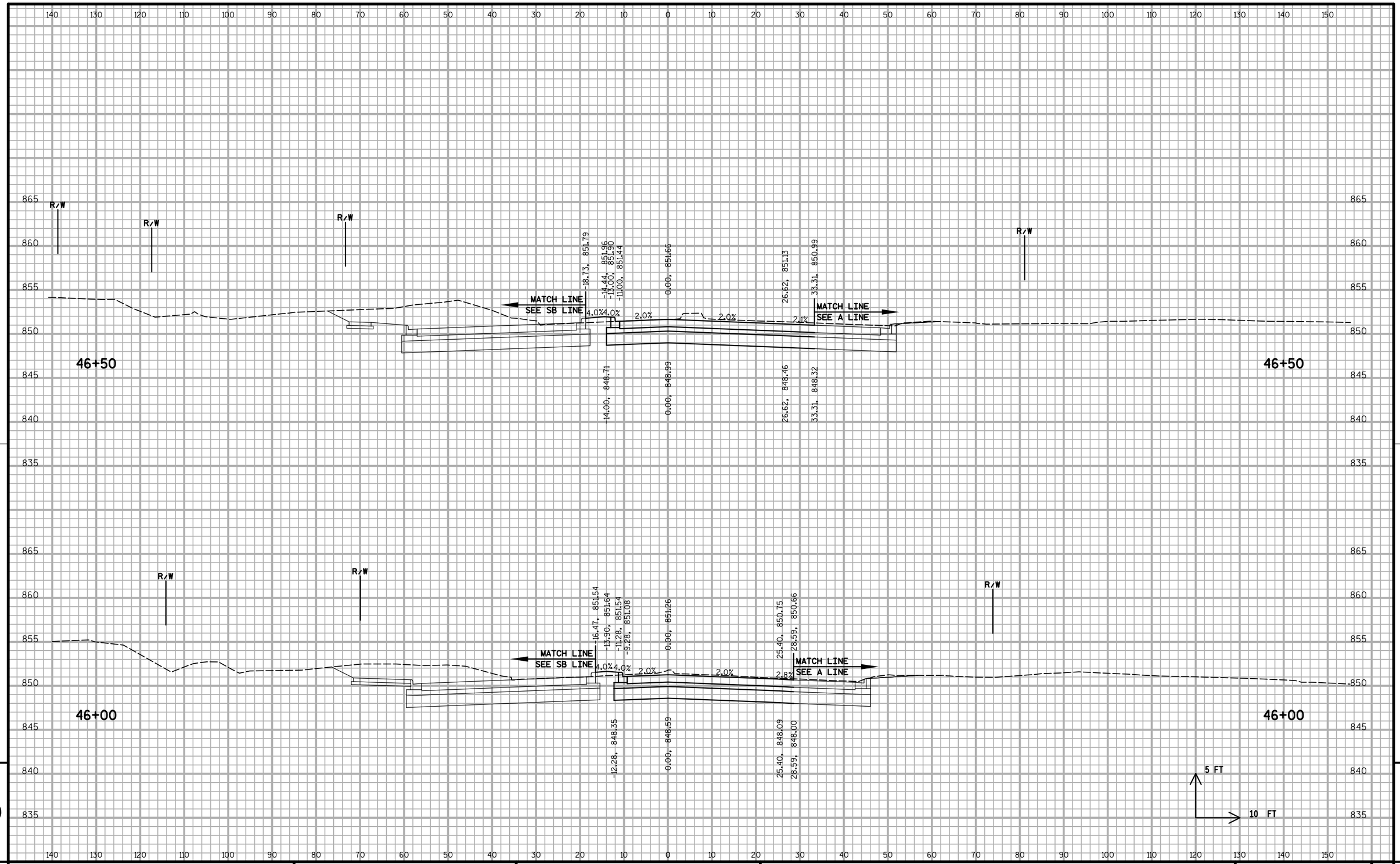
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PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - MAINLINE	SHEET	E

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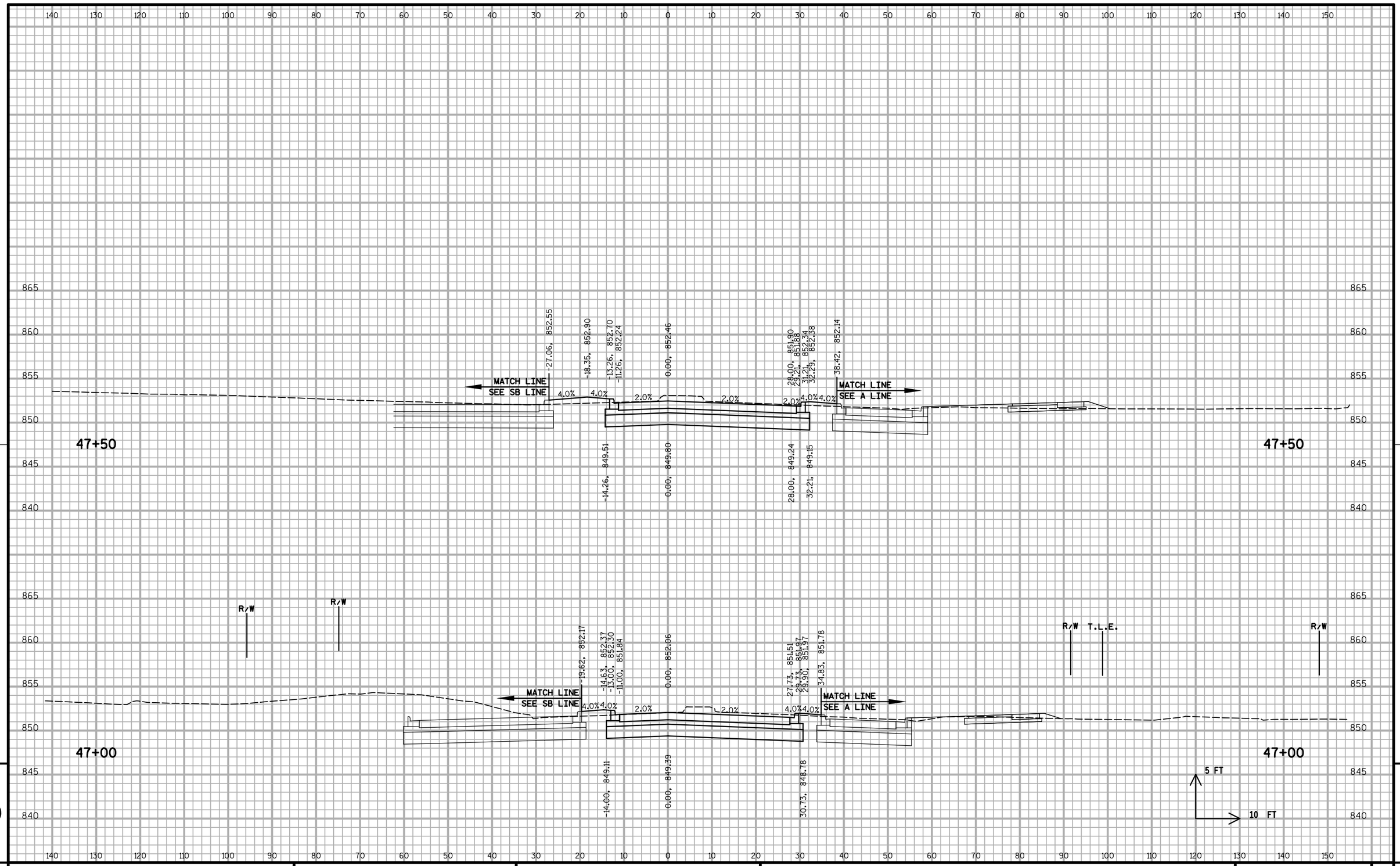


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PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - MAINLINE	SHEET	E

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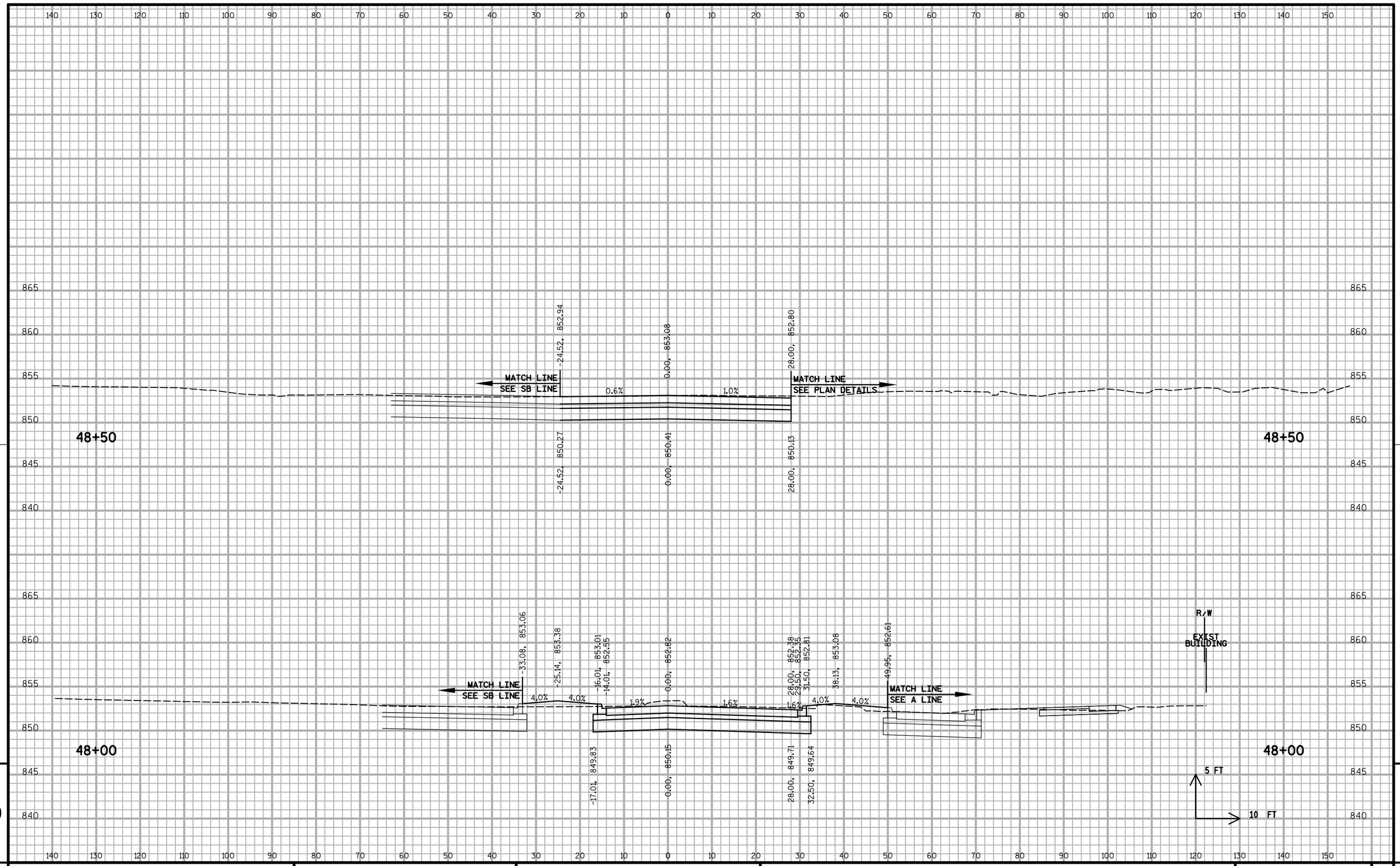


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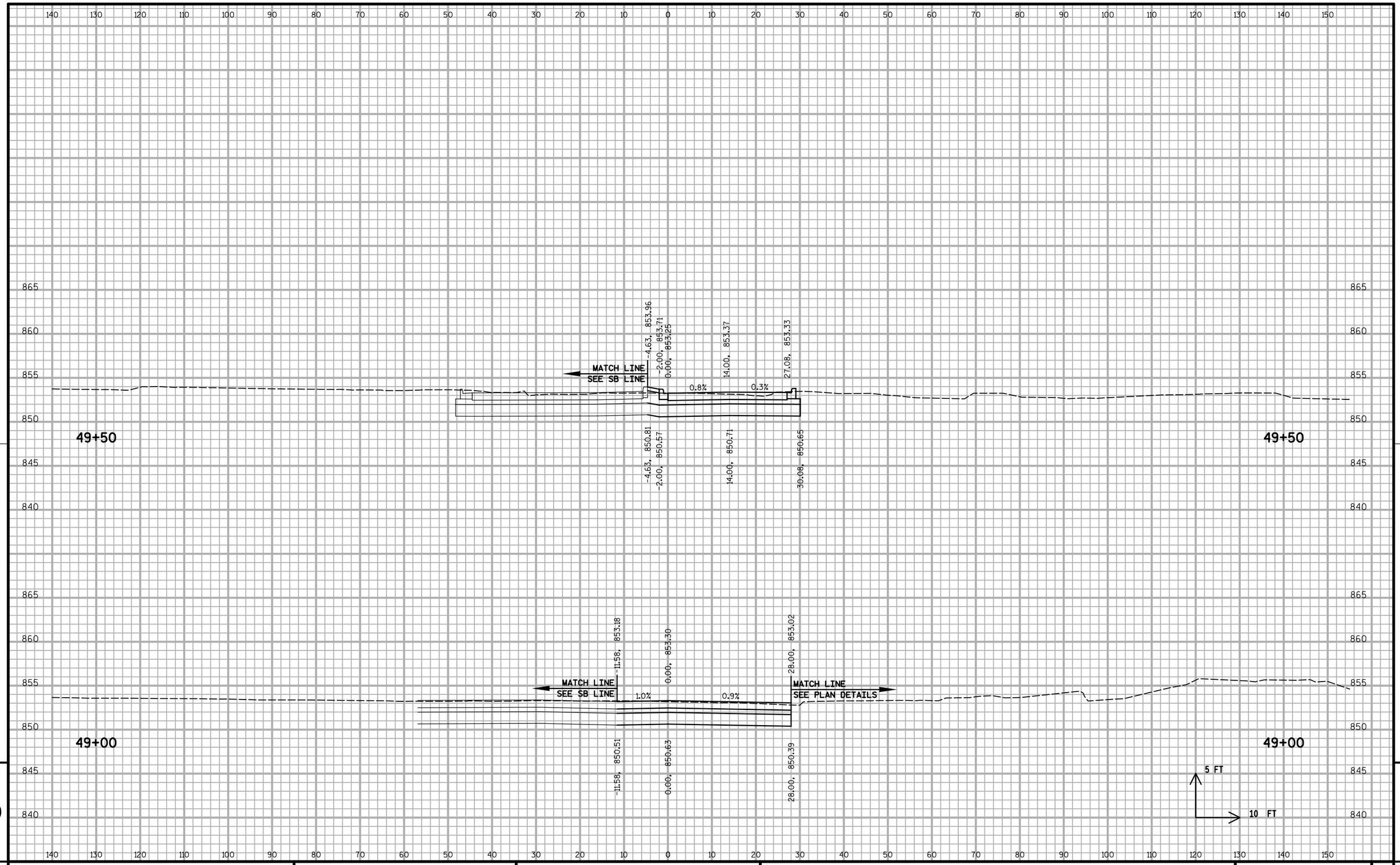
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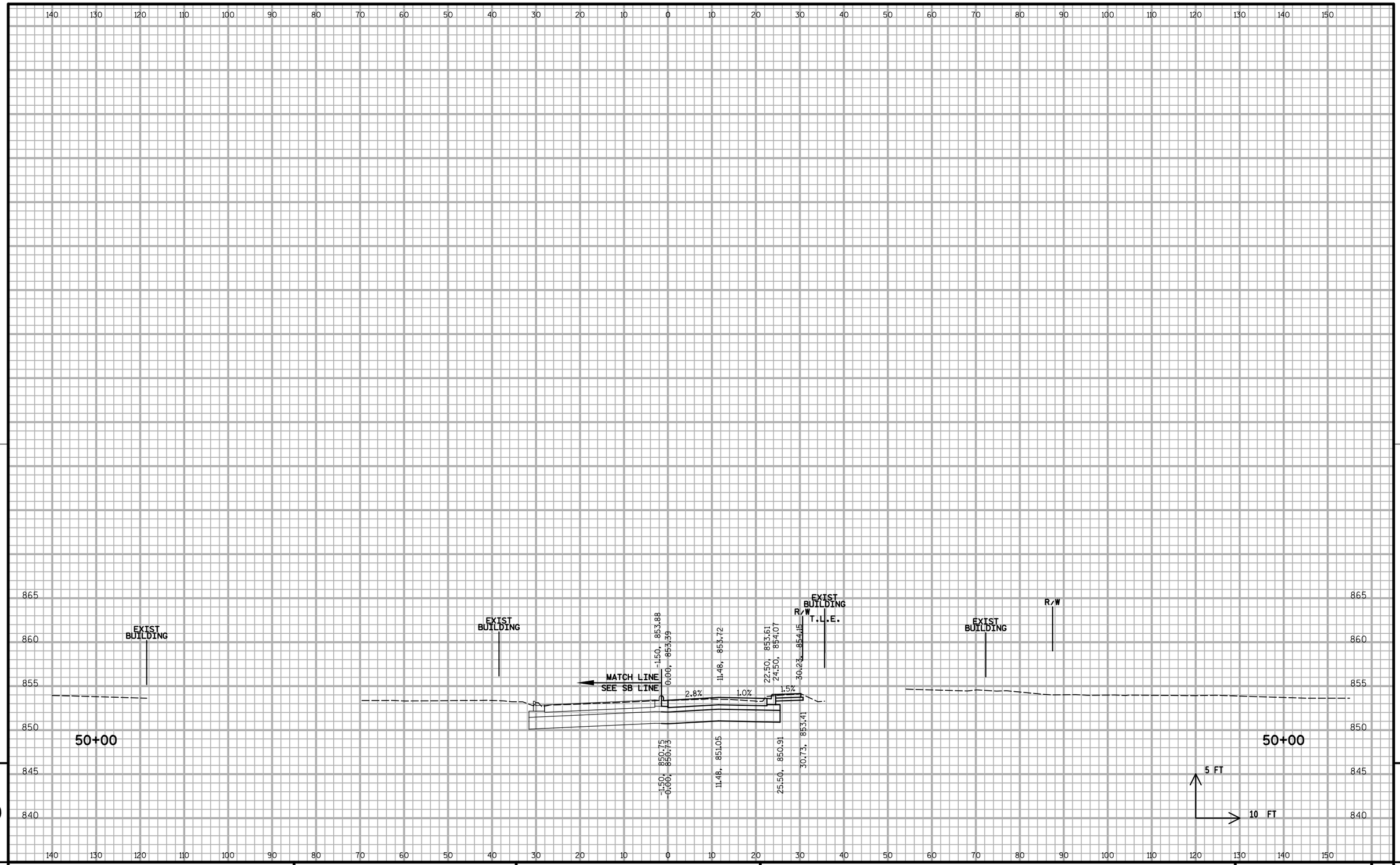
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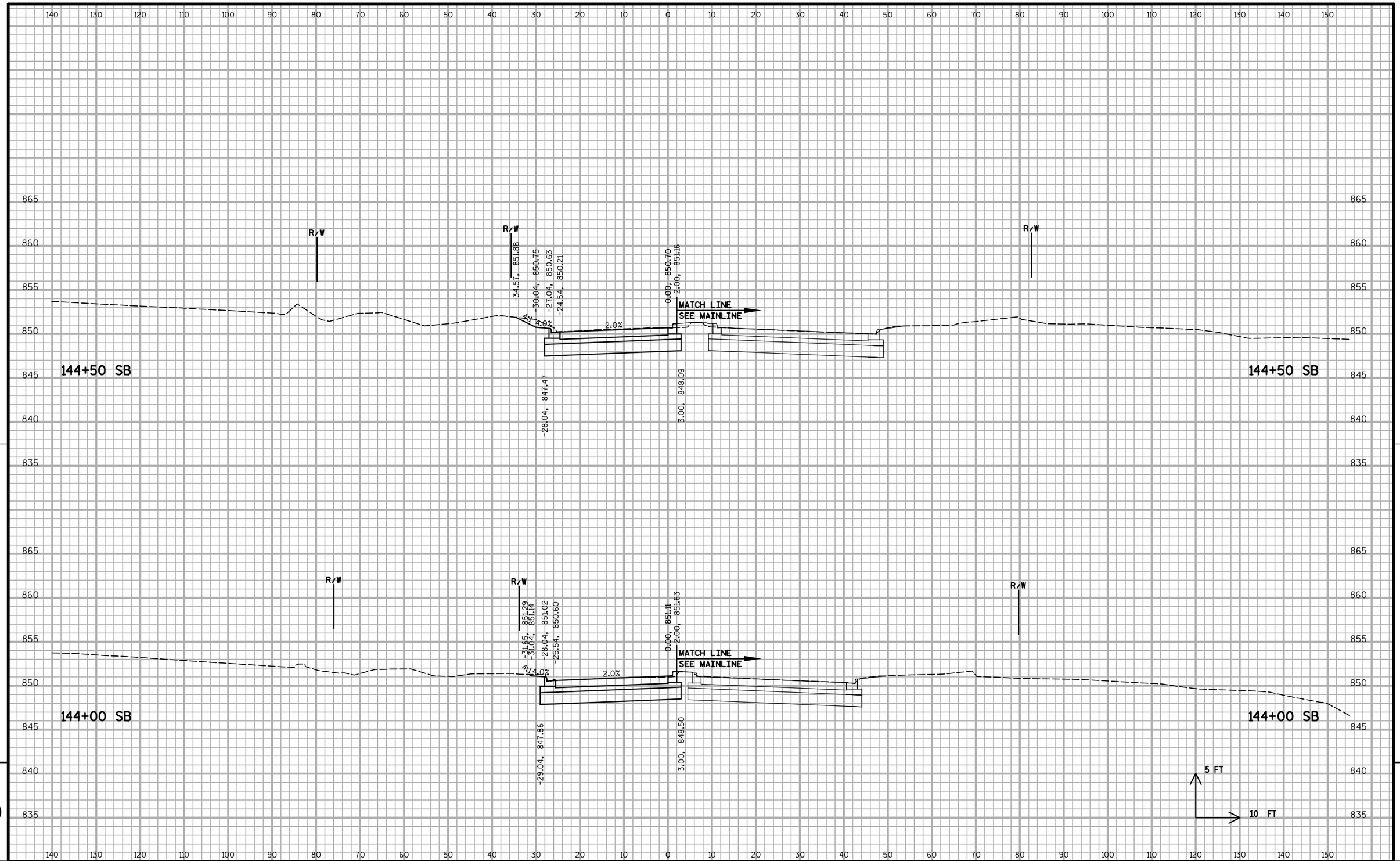


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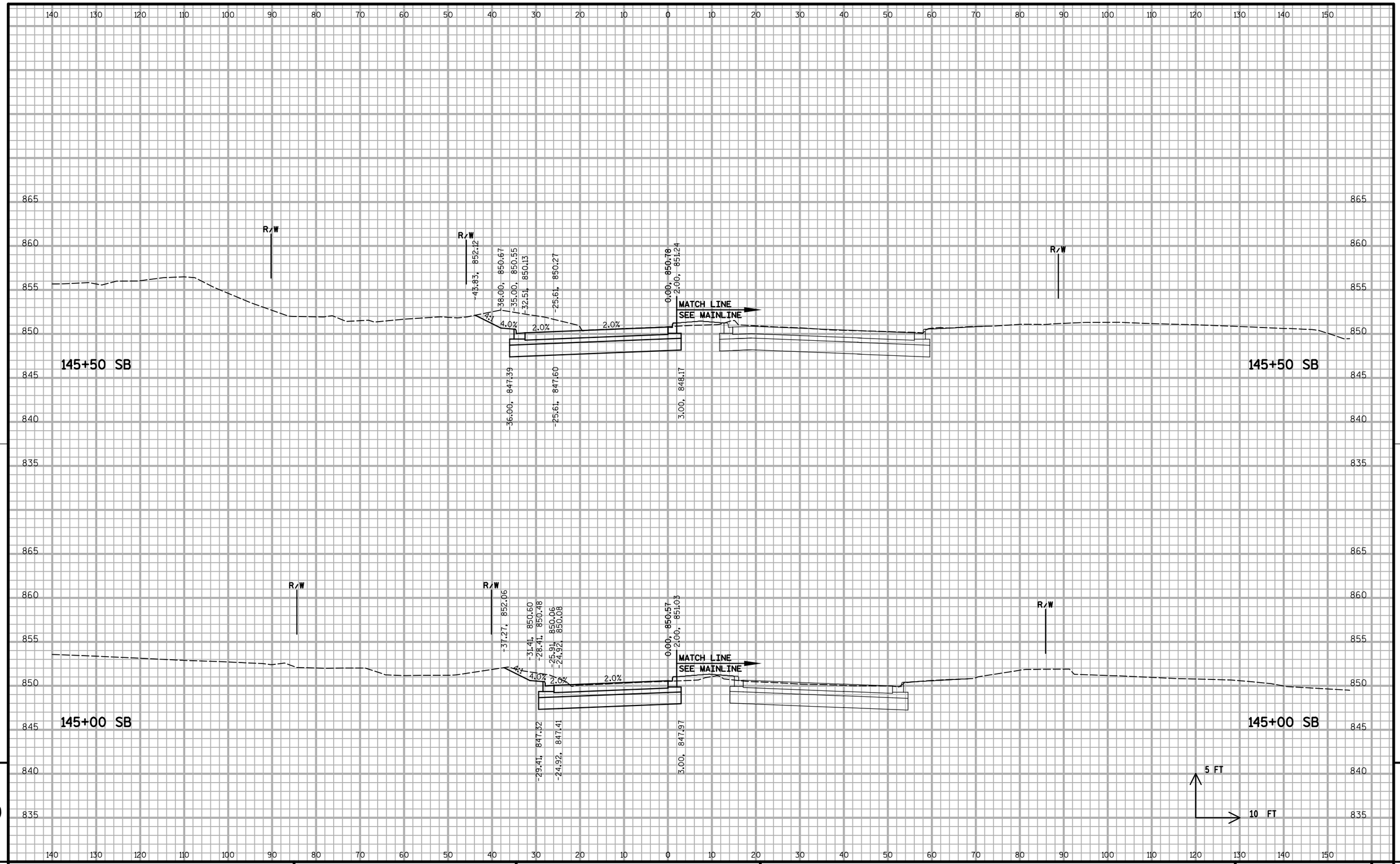


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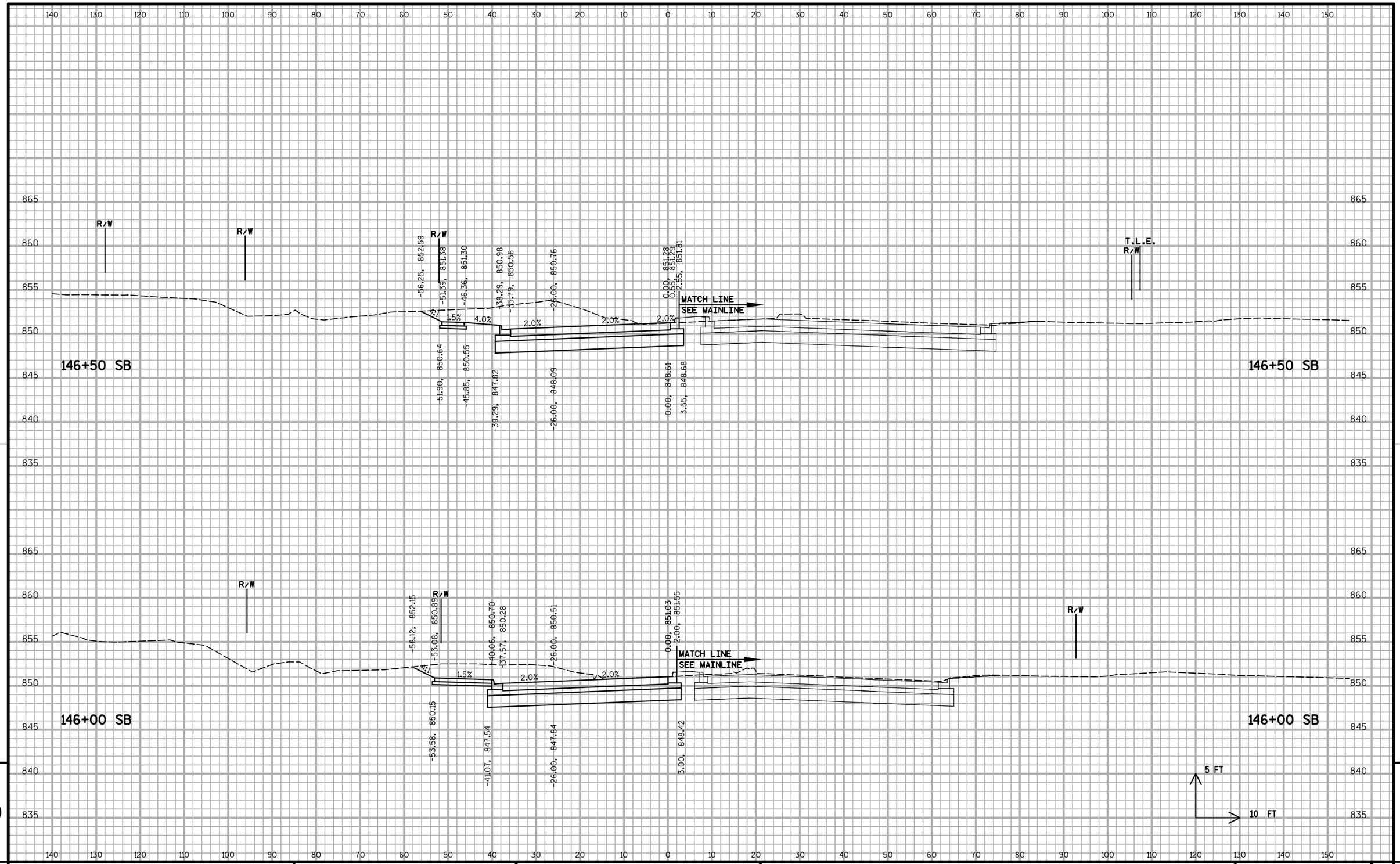


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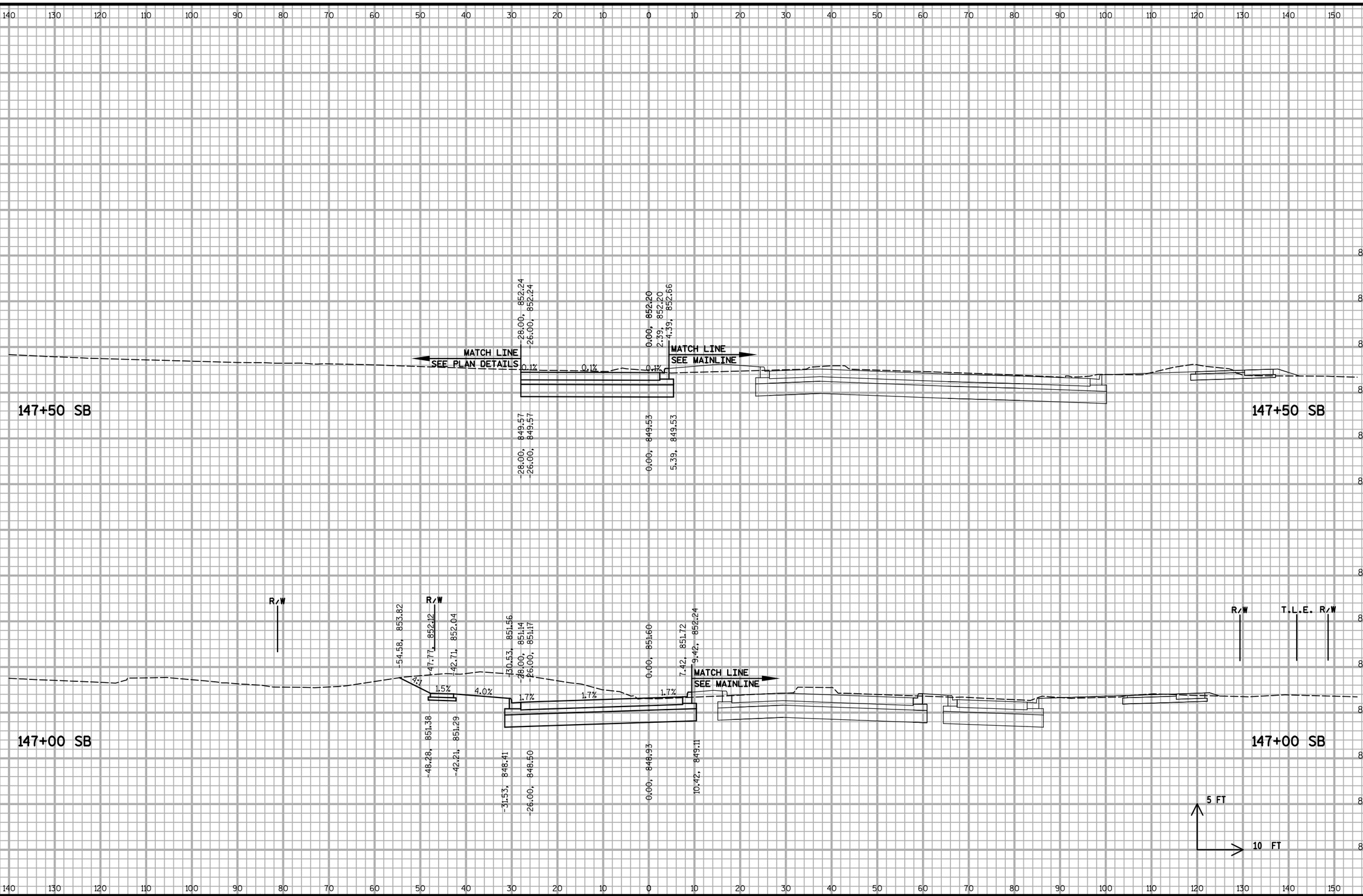


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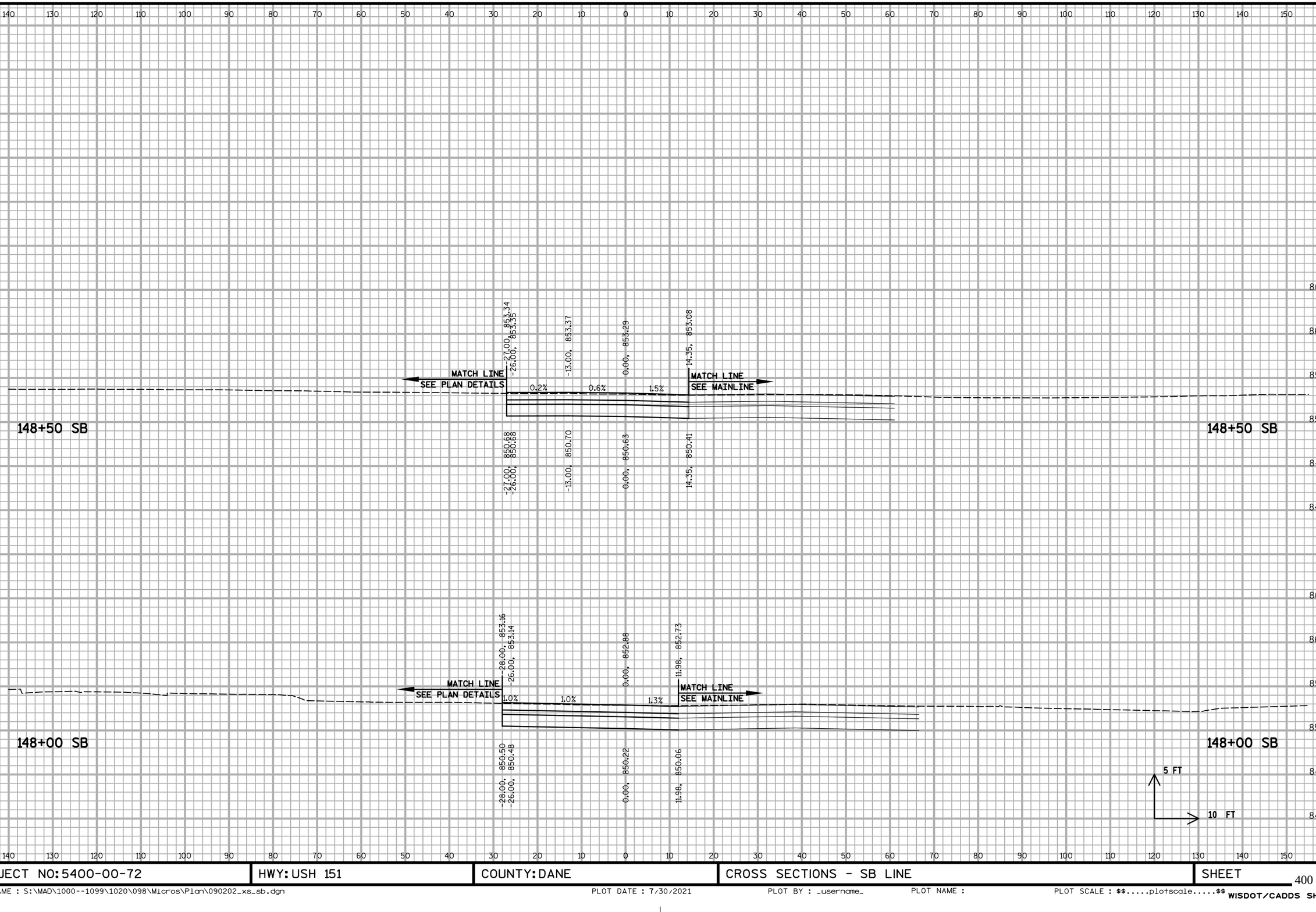


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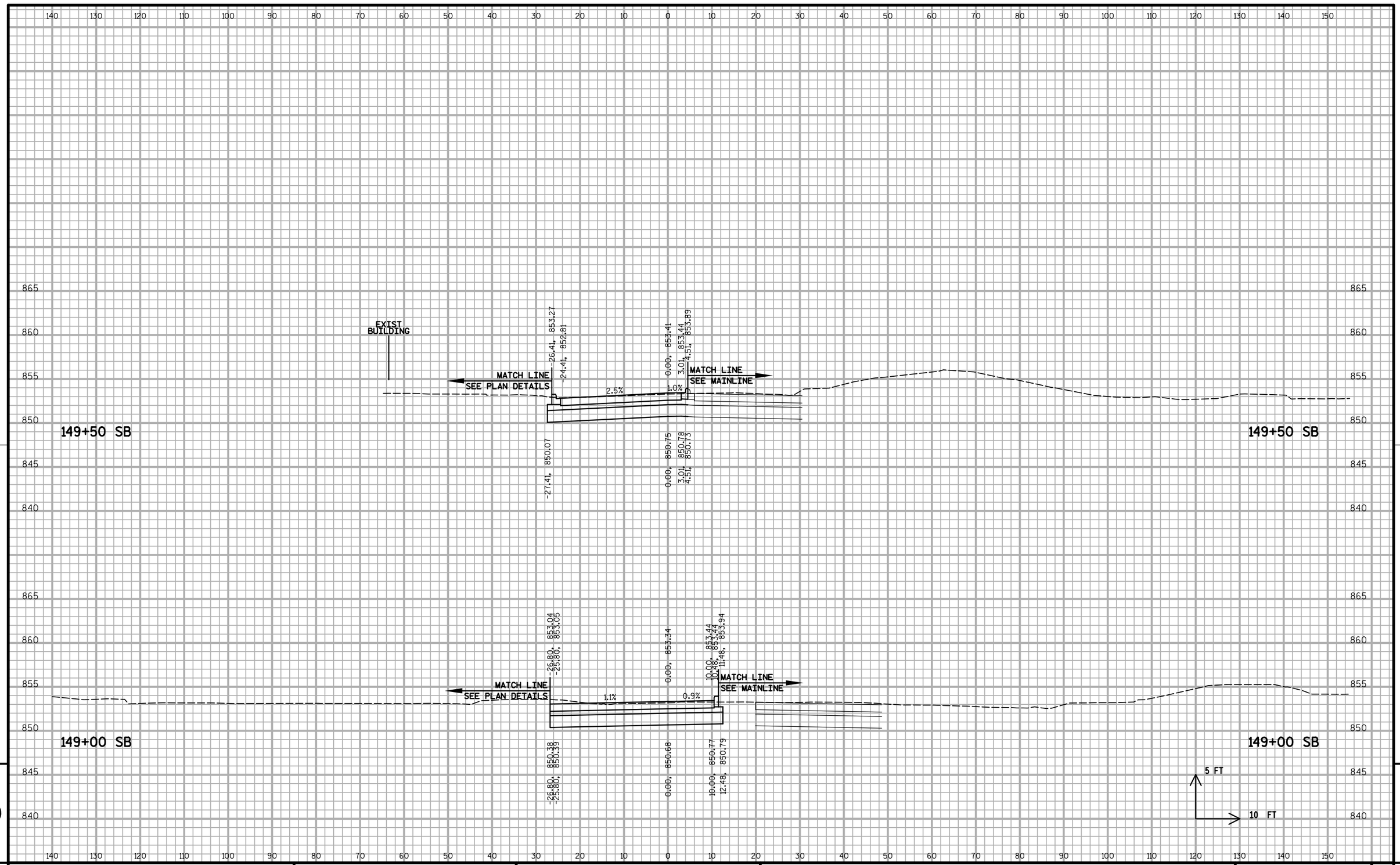
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WISDOT/CADDS SHEET 21

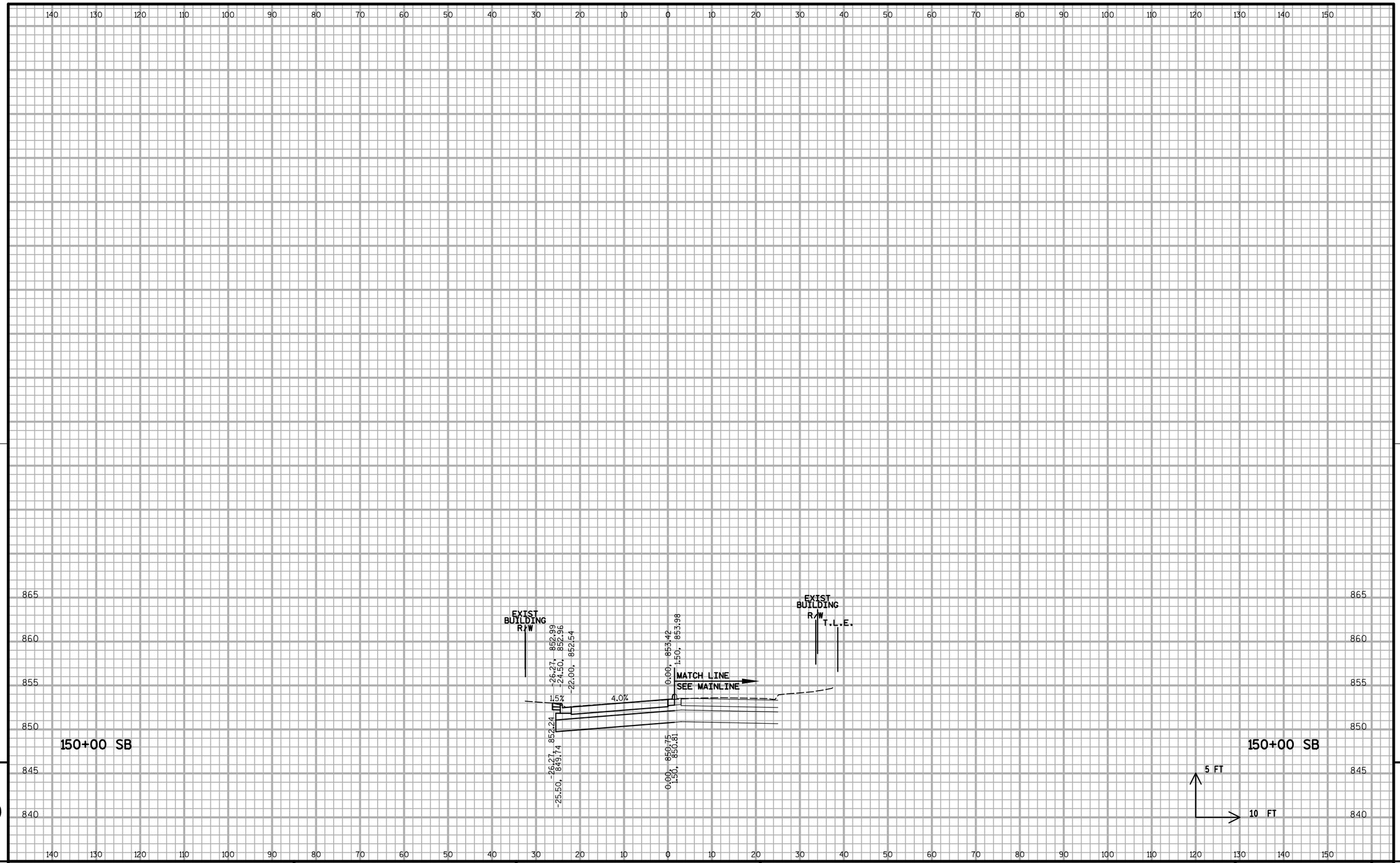


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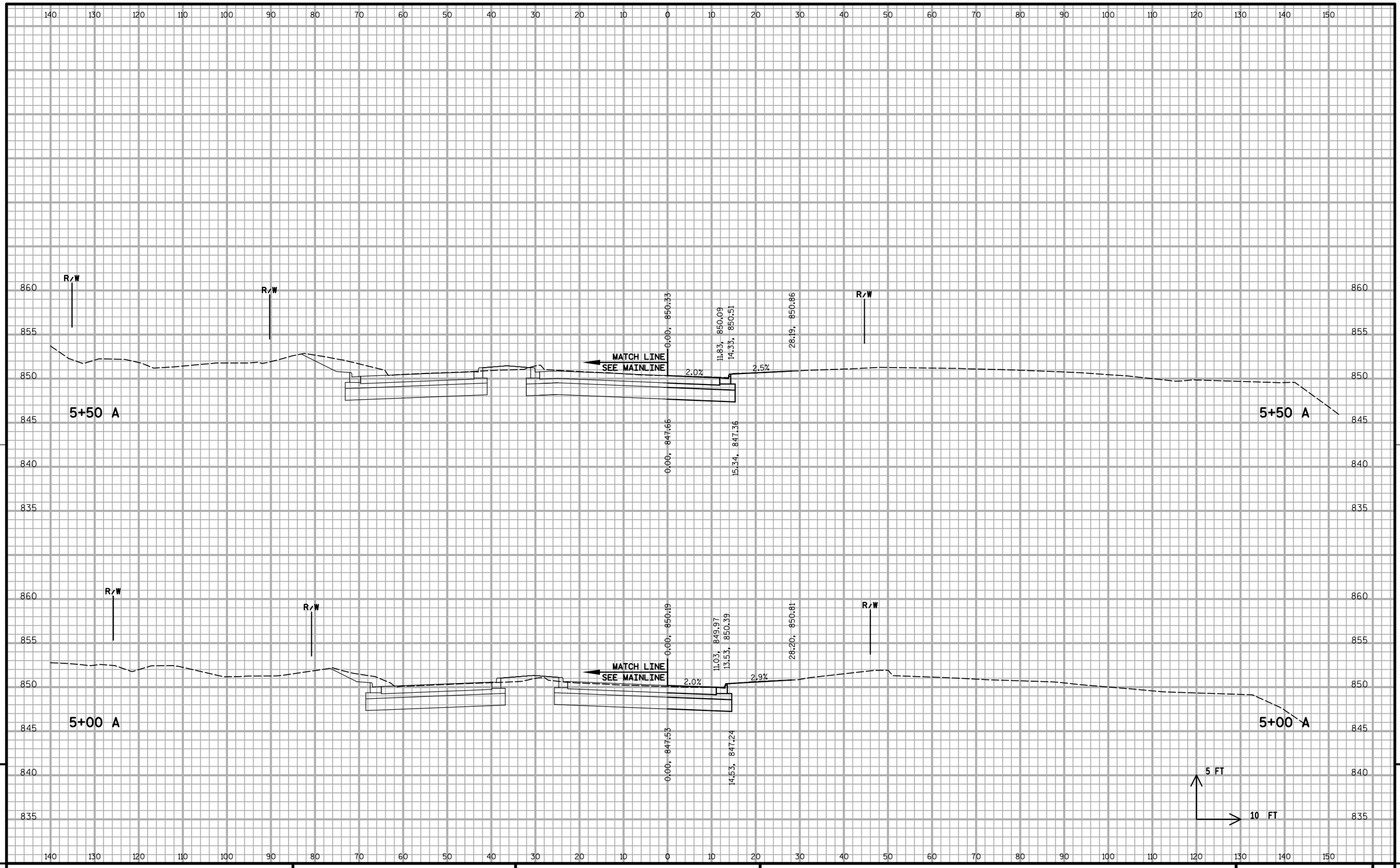


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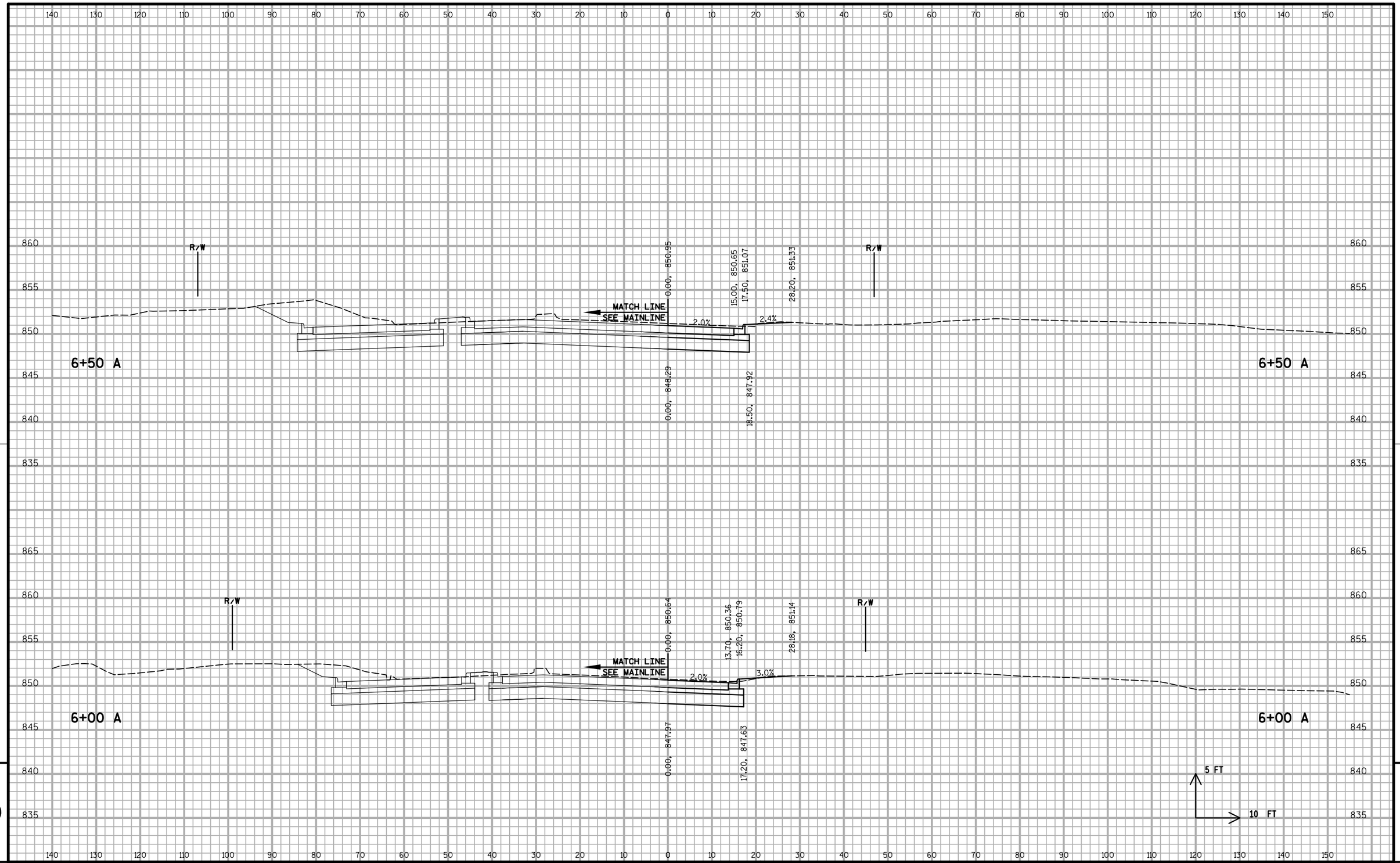


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PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - A LINE	SHEET 403	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\090203_xs_a.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

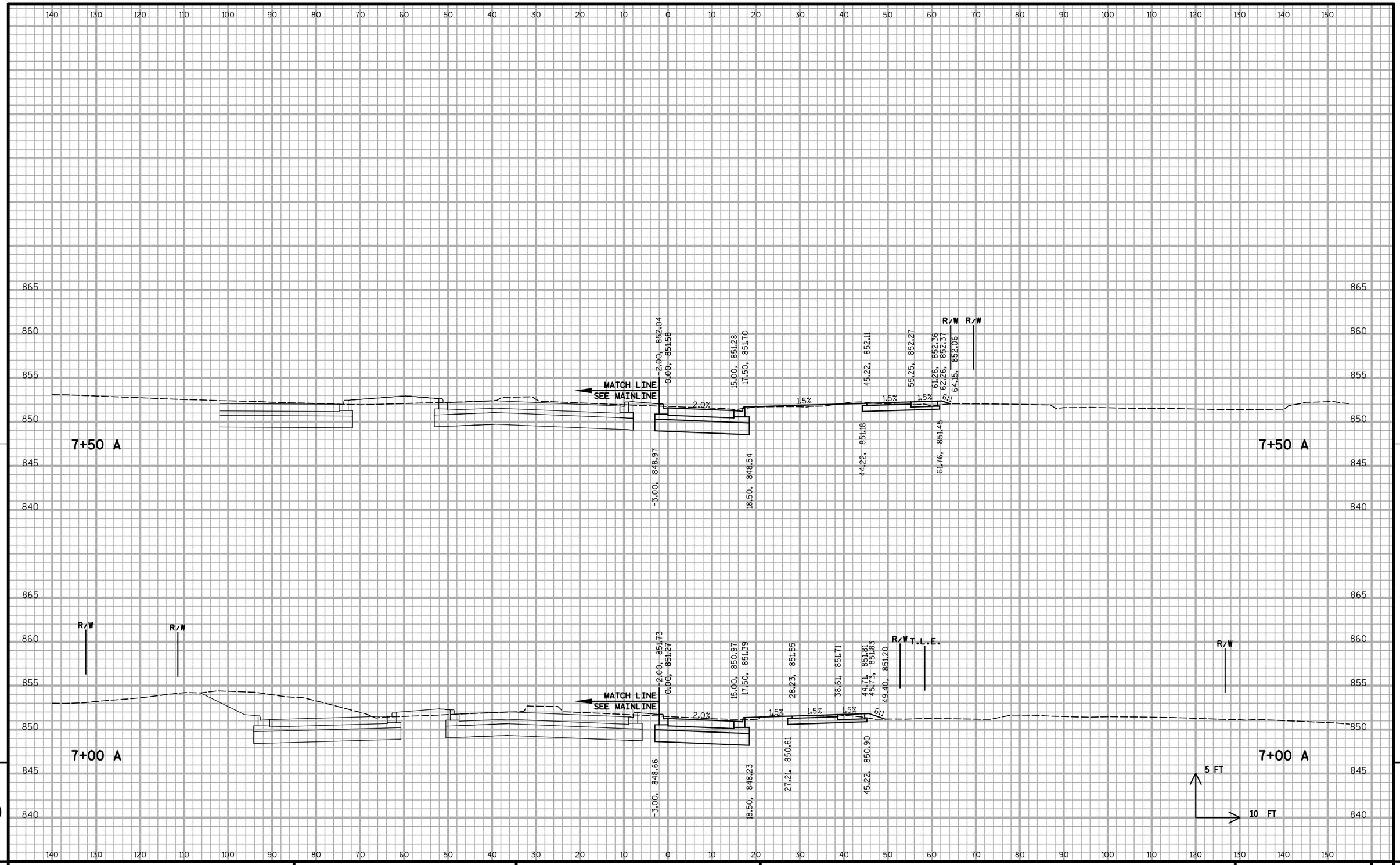


9

9

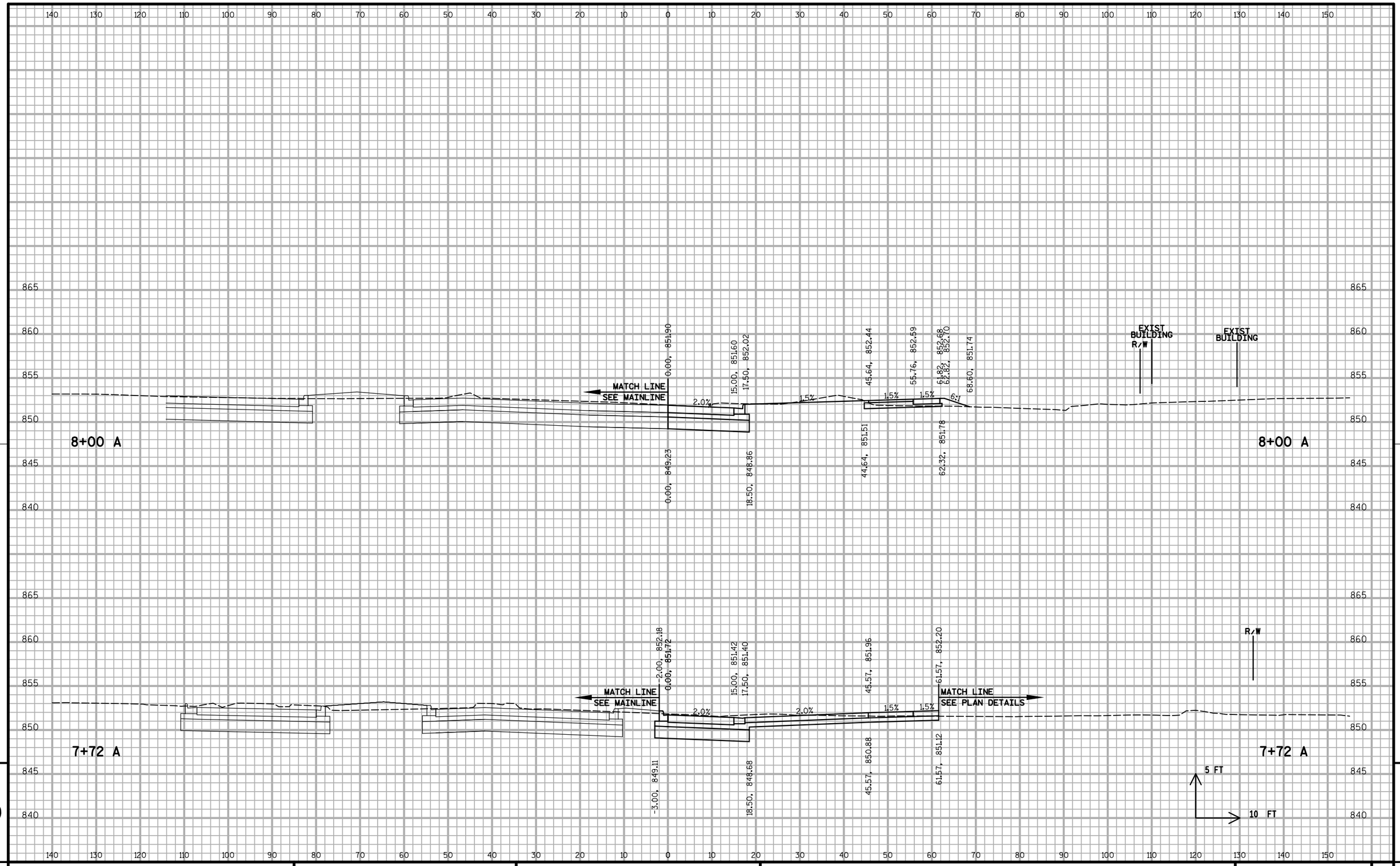
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - A LINE	SHEET 404	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\090203_xs_a.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



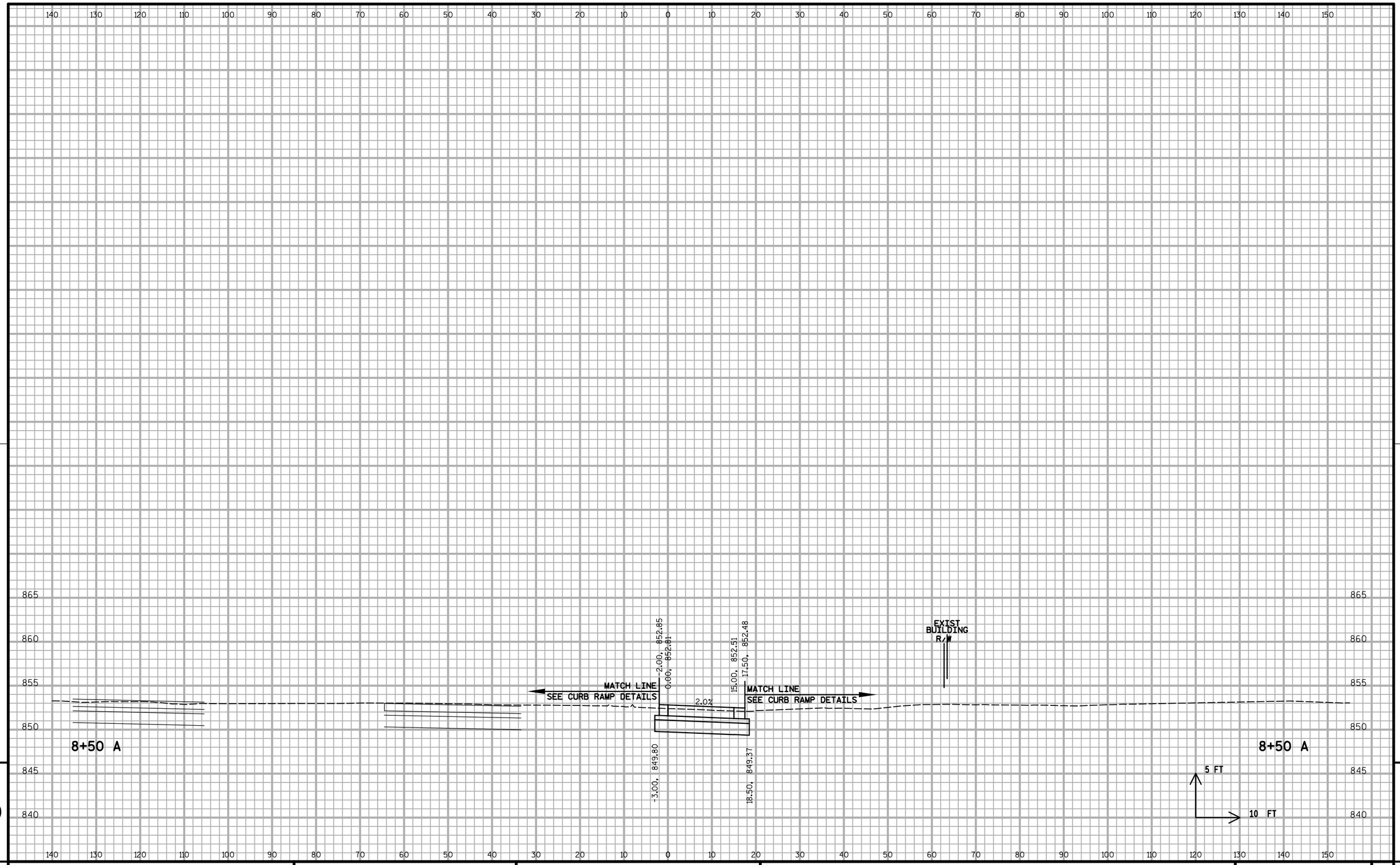
PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - A LINE	SHEET 405	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\090203_xs_a.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - A LINE	SHEET 406	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\090203_xs_a.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 5400-00-72	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS - A LINE	SHEET 407	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\090203_xs_a.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD

NOVEMBER 2021

PROJECT ID: 5400-00-73

WITH: 5400-00-72, 5400-00-74

COUNTY: DANE

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control Plans)
Section No.	3	Estimate of Quantities
Section No.	3	Miscellaneous Quantities
Section No.	4	Right of Way Plat
~~Section No.~~	~~5~~	~~Plan and Profile~~
Section No.	6	Standard Detail Drawings
Section No.	7	Sign Plates
Section No.	8	Structure Plans
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections

TOTAL SHEETS = 412



N

07

DESIGN DESIGNATION		USH 151 (S. BLAIR ST.)		USH 151 (E. WASHINGTON AVE.)
A.A.D.T. (2022)	=	25,200	=	44,700
A.A.D.T. (2042)	=	26,800	=	50,000
D.H.V.	=	2,980	=	5,100
D.D.	=	59/41	=	59/41
T.	=	10.4%	=	10.0%
DESIGN SPEED	=	25 MPH	=	30 MPH
ESALS	=	7,900,000		

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

C MADISON, BLAIR ST/E WASHINGTON AV

E WILSON ST TO BLOUNT ST

USH 151

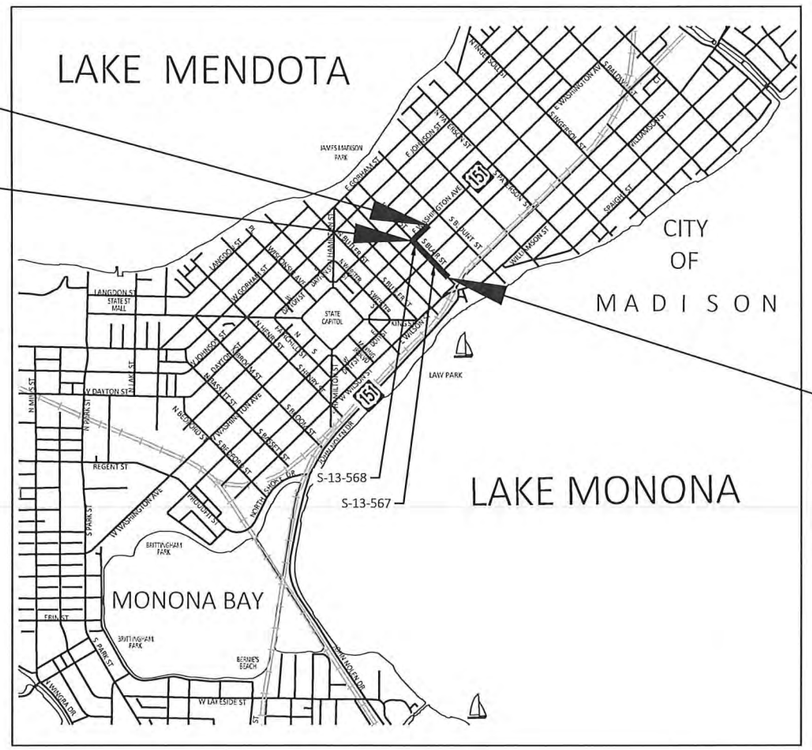
DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5400-00-73	WISC 2022045	1

STATE PROJECT NUMBER

5400-00-73

R-9-E | R-10-E



END PROJECT
STA. 234+25.10

STA. 60+56.26 =
STA. 227+85.62

T-7-N

BEGIN PROJECT
STA. 50+39.35
Y = 483,498.45
X = 823,329.01

T-7-N

LAYOUT

SCALE 0 1/2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.314

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, DANE COUNTY, NAD83 (2007), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCE MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (1991).

STREET LIGHTING/TRAFFIC SIGNALS DESIGNED BY: CITY OF MADISON

WISCONSIN
GRETCHEN M AVILES PINEIRO
E-47473
MADISON WI
PROFESSIONAL ENGINEER
7/14/2021

ACCEPTED FOR THE CITY OF MADISON

DATE: 7/19/21 CITY ENGINEER

ORIGINAL PLANS PREPARED BY

STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715-1945
(608) 251-4843

WISCONSIN
ERIC D. HANSON
E - 38350
MADISON, WI
PROFESSIONAL ENGINEER
7-27-21

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	JAMIE GRAINGER, P.E.
Regional Examiner	WISDOT SW REGION
Regional Supervisor	TODD MATHESON, P.E.

APPROVED FOR THE DEPARTMENT

DATE: 7/15/21 *Jamie Grainger* (Signature)

E

GENERAL NOTES

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

THE EXACT LOCATION AND WIDTH OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. DRIVEWAYS SHALL BE REPLACED IN KIND. COMMERCIAL DRIVEWAYS SHALL BE A MAXIMUM OF 30 FEET WIDE UNLESS SHOWN OTHERWISE IN THE PLANS. ALL RESIDENTIAL DRIVEWAYS SHALL BE A MAXIMUM OF 20 FEET WIDE.

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

PROTECT EXISTING STREET TREES. TREES OR SHRUBS ARE NOT TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PIPE ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK, MATCH EXISTING CONCRETE, ASPHALT OR STRUCTURES (WALLS, BUILDINGS, ETC. THAT ARE CONSTRUCTED TO THE PROPERTY LINE) BEHIND THE SIDEWALK. WHERE TURF EXISTS BEHIND THE SIDEWALK, KEEP DISTANCE TO WITHIN 6 INCHES OF THE SIDEWALK AND RESTORE WITH TOPSOIL AND SEED. REPLACE SIDEWALK AS SHOWN IN THE PLAN AND AS REQUIRED FOR SANITARY LATERAL CONSTRUCTION. IF A SINGLE SECTION OF SIDEWALK REMAINS AS A RESULT OF REPLACING THE SQUARES ON EACH SIDE OF IT, REPLACE THE SINGLE REMAINING SECTION.

WHEN REPLACING INDIVIDUAL SECTIONS OF SIDEWALK WITH AN EXISTING CROSS SLOPE STEEPER THAN 1.5%, HOLD THE ELEVATION AT THE BACK OF SIDEWALK AND RAISE THE FRONT SIDE OF THE SIDEWALK AS NEEDED TO PROVIDE A 1.5% CROSS SLOPE.

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

DESIGNER NOTES

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR STREET LIGHTING AND PERMANENT TRAFFIC SIGNAL COMPONENTS PROVIDED BY CITY OF MADISON.

DESIGN, PLANS, SPECIFICATIONS, AND ESTIMATE FOR REMAINING ITEMS PROVIDED BY STRAND ASSOCIATES, INC.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	MONUMENT	MON.
ACCESS RIGHTS	AR	PAGE	P.
ACRES	AC.	PERMANENT LIMITED EASEMENT	PLE
AND OTHERS	ET.AL.	PROPERTY LINE	PL
BUILDING	BLDG	RECORDED AS	(100')
CENTERLINE	C/L	REFERENCE LINE	R/L
CERTIFIED SURVEY MAP	CSM	RELEASE OF RIGHTS	ROR
CORNER	COR.	REMAINING	REM.
DOCUMENT	DOC.	RIGHT-OF-WAY	R/W
EASEMENT	EASE.	SECTION	SEC.
FACE OF SIDEWALK	FOS	STATION	STA.
HIGHWAY EASEMENT	H.E.	TEMPORARY LIMITED EASEMENT	TLE
LAND CONTRACT	LC	VOLUME	V.

UTILITY CONTACTS

ATC MANAGEMENT, INC. - ELECTRICITY
ATTENTION: JEFF VANDERWERFF
W234 N2000 RIDGEVIEW PKWY CT.
WAUKESHA, WI 53188
CELL: (226) 206-4966

AT&T LEGACY - COMMUNICATION
ATTENTION: KENNETH M. NINE
110 N. MAIN STREET
CULVER, IN 46511
(574) 842-8830
CELL: (574) 904-6336
E-MAIL: knine@jmceainc.com

AT&T WISCONSIN - COMMUNICATION
ATTENTION: CAROL ANASON
316 W. WASHINGTON AVE.
MADISON, WI 53701
(608) 622-2079
E-MAIL: ca2624@att.com

CHARTER COMMUNICATIONS - COMMUNICATION
ATTENTION: JON MARSCHKE
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822
CELL: (608) 225-2479
E-MAIL: jon.marschke@charter.com

CITY OF MADISON - COMMUNICATION
ATTENTION: MICHAEL BENZSCHAWEL
MADISON MUNICIPAL BUILDING, SUITE 109
215 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53701
(608) 266-9031
E-MAIL: MBenzschawel@cityofmadison.com

CITY OF MADISON - SANITARY SEWER
ATTENTION: MARK MODER, P.E.
210 MARTIN LUTHER KING JR. BLVD., ROOM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: mmoder@cityofmadison.com

LUMEN (aka CENTURYLINK; LEVEL 3) - COMMUNICATION
ATTENTION: JASON BUSSE
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
(414) 224-6713
CELL: (715) 405-3214
E-MAIL: Jason.Busse@lumen.com

MADISON GAS AND ELECTRIC - ELECTRIC
ATTENTION: MARK BOHM
133 S. BLAIR STREET
MADISON, WI 53788
(608) 252-4730
CELL: (608) 516-7930
E-MAIL: mbohm@mge.com

MADISON GAS AND ELECTRIC - GAS/PETROLEUM
ATTENTION: ROGER AHLES
623 RAILROAD STREET
MADISON, WI 53701
(608) 252-5682
E-MAIL: rahles@mge.com

MADISON WATER UTILITY - WATER
ATTENTION: PETE HOLMGREN
119 EAST OLIN AVENUE
MADISON, WI 53713-1431
(608) 266-5530
CELL: (608) 215-0225
E-MAIL: pholmgren@madisonwater.org

MIDWEST FIBER NETWORKS - COMMUNICATION
ATTENTION: CORY SCHMUKI
6070 N. FLINT ROAD
GLENDALE, WI 53209
(414) 459-3561
CELL: (414) 349-2764
E-MAIL: cschmuki@midwestfibernetworks.com

WIN TECHNOLOGY - COMMUNICATION
ATTENTION: TODD ELLICKSON
4955 BULLIS FARM ROAD
EAU CLAIRE, WI 54701
(715) 832-3750
CELL: (608) 852-4072
E-MAIL: todd.ellickson@wintechnology.com

WISDOT CONTACT

DESIGN PROJECT MANAGER
JAMIE GRAINGER, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT STREET
MADISON, WI 53704
OFFICE: (608) 206-7829
JAMIE.GRAINGER@DOT.WI.GOV

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
OFFICE: (608) 251-4843
ERIC.HANSON@STRAND.COM

WISDNR REGION CONTACT

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711-5397
OFFICE: (608) 228-7927
ERIC.HEGGELUND@WISCONSIN.GOV

OTHER CONTACTS

DIVISION OF FACILITIES DEVELOPMENT & MANAGEMENT
ATTENTION: CHAD BLIEFERNICHT
GEF 1, 201 E WASHINGTON AVENUE
MADISON WI 53703
(608) 266-2119
Cell: (608) 219-7308
E-MAIL: Chad.bliefernicht@wisconsin.gov

WISDOT - COMMUNICATION
ATTENTION: JEFF MADSON
STE. 300
433 W. ST. PAUL AVE.
MILWAUKEE, WI 53203 -3007
(414) 225-3723
E-MAIL: Jeffrey.Madson@dot.wi.gov

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAIL
CURB RAMP DETAILS
PAVING GRADES
EROSION CONTROL
STORM SEWER
SIGNING
STREET LIGHT PLAN
TRAFFIC SIGNAL PLAN
TEMPORARY TRAFFIC SIGNALS
PAVEMENT MARKING
TRAFFIC CONTROL
ALIGNMENT DETAIL

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

2

2

BEGIN CONSTRUCTION
STA 226+33.84

STA 60+56.26 =
STA 227+85.62

END PROJECT
STA 234+25.10

220+00

225+00

230+00

235+00

240+00

EAST WASHINGTON AVENUE

USH 151 (EAST WASHINGTON AVENUE)

60+00

S-13-568

BUTLER STREET

HANCOCK STREET

FRANKLIN STREET

BLOUNT STREET

LIVINGSTON STREET

EAST MAIN STREET

55+00

S-13-567

CITY OF MADISON

USH 151 (SOUTH BLAIR STREET)

50+00

WISCONSIN & SOUTHERN RAILROAD

EAST WILSON STREET

BEGIN PROJECT
STA 50+39.35
Y = 483,498.45
X = 823,329.01

45+00

USH 151 (JOHN NOLEN DRIVE)

WILLIAMSON STREET

LAKE MONONA

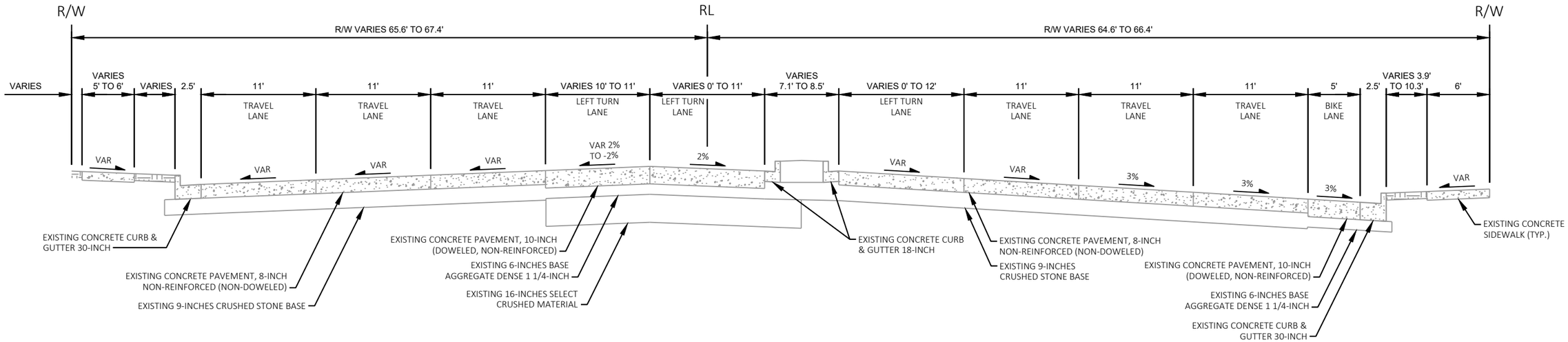
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 5/27/2021 11:18 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:200 FT

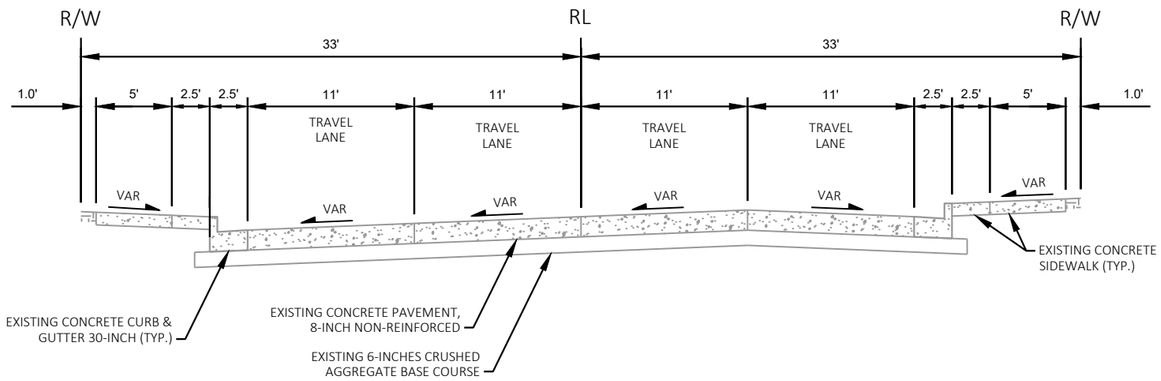
WISDOT/CADDS SHEET 42

2



EXISTING TYPICAL SECTION - USH 151 (EAST WASHINGTON AVENUE)

STA. 226+33.84 TO STA. 234+25.10

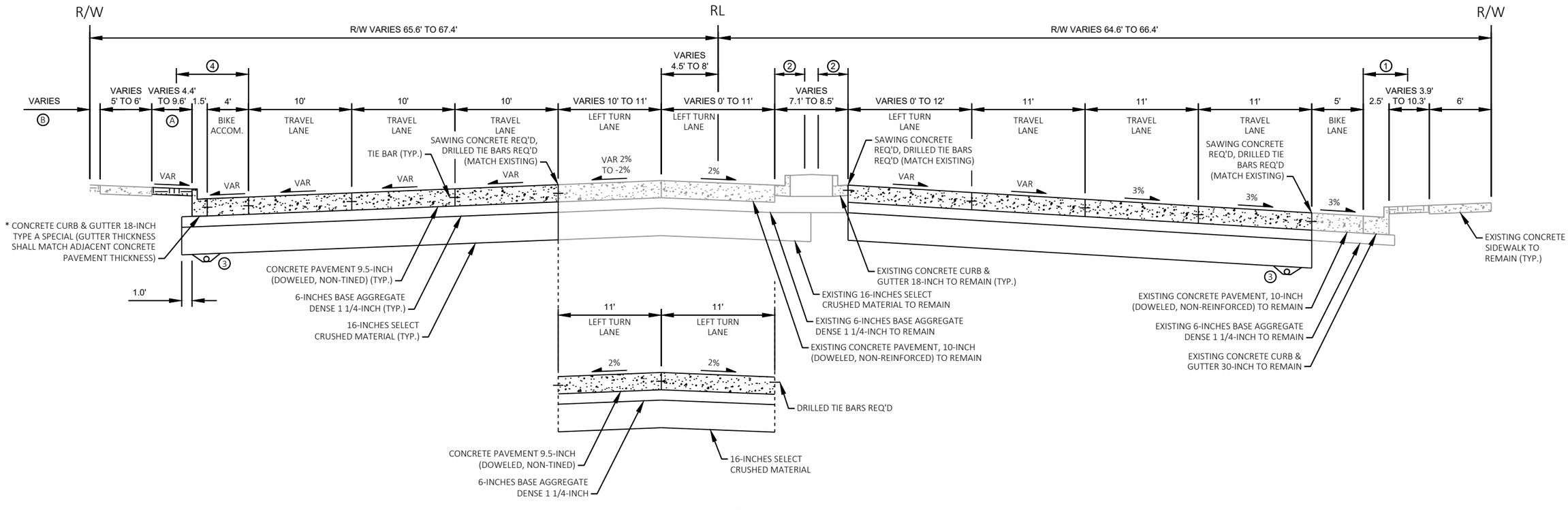


EXISTING TYPICAL SECTION - USH 151 (SOUTH BLAIR STREET)

STA. 50+39.35 TO STA. 60+07.91

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	EXISTING TYPICAL SECTIONS	SHEET 4	E

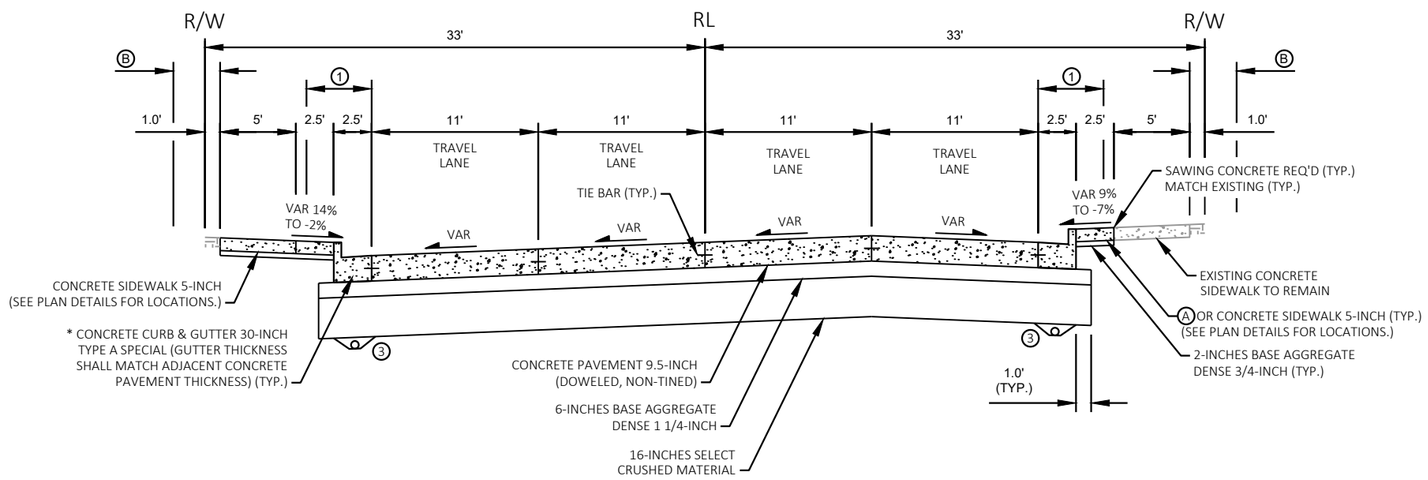
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LAYOUT NAME - 020301-ts
PLOT DATE : 5/19/2021 3:12 PM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



STA. 228+45.99 TO STA. 231+51.87

TYPICAL FINISHED SECTION - USH 151 (EAST WASHINGTON AVENUE)

STA. 226+33.84 TO STA. 234+25.10



TYPICAL FINISHED SECTION - USH 151 (SOUTH BLAIR STREET)

STA. 50+39.35 TO STA. 60+07.91

* HAND-FORMED CONCRETE CURB AND GUTTER REQUIRED ADJACENT TO TREES TO REMAIN.

(1) 4' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(2) 4' LATERAL CLEARANCE MIN. (3' BEYOND FACE OF CURB).

(3) PIPE UNDERDRAIN WRAPPED 6-INCH (SLOPE 0.5% MIN.) (TYP.); INSTALL PIPE UNDERDRAIN AT PROPOSED LOW POINTS. SEE MISCELLANEOUS QUANTITIES FOR EXACT LOCATIONS AND CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

(4) 7' LATERAL CLEARANCE MIN. (2' BEYOND FACE OF CURB).

(A) 6-INCHES TOPSOIL; FERTILIZER TYPE B; SOD LAWN.

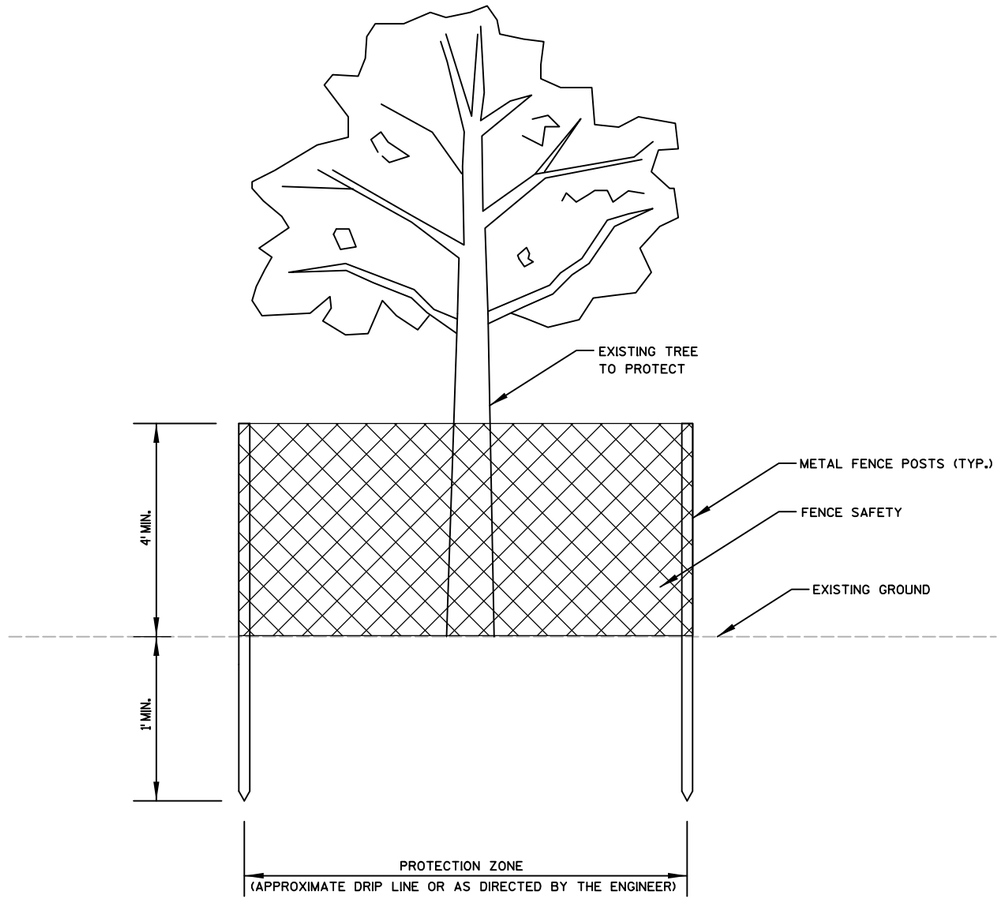
(B) 6-INCHES TOPSOIL; FERTILIZER TYPE B; SEEDING MIXTURE NO. 30; AND EROSION MAT URBAN CLASS 1 TYPE A. SEE EROSION CONTROL DETAILS FOR EXACT LOCATIONS.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	FINISHED TYPICAL SECTIONS	SHEET 5	E

RUNOFF COEFFICIENT TABLE

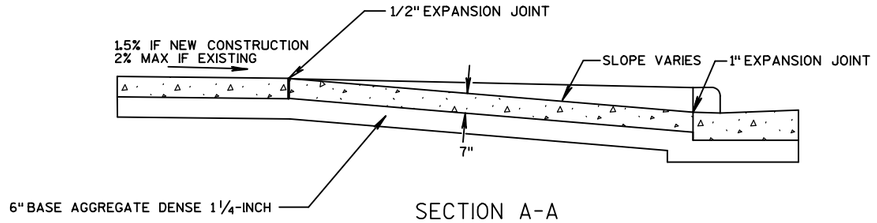
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .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 = 4.1 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.1 ACRES

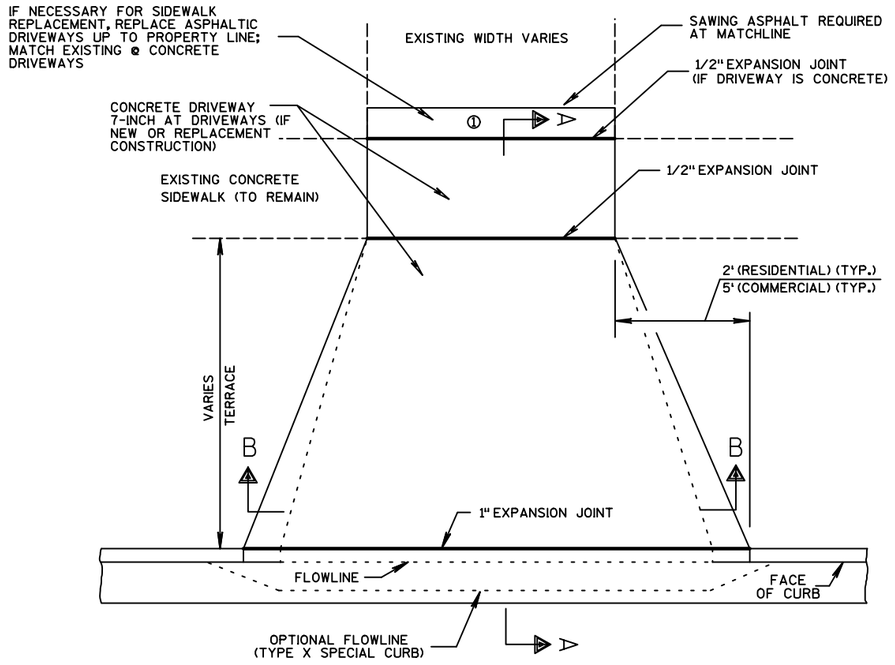


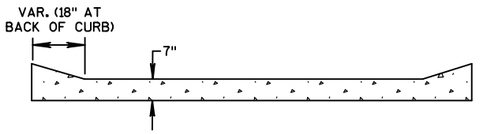
TREE PROTECTION DETAIL

2



SECTION A-A



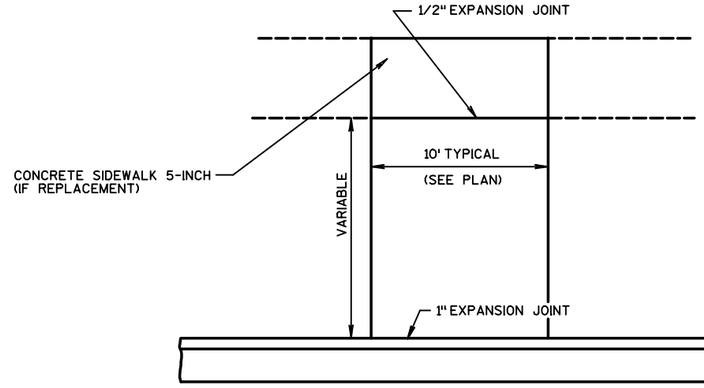


SECTION B-B

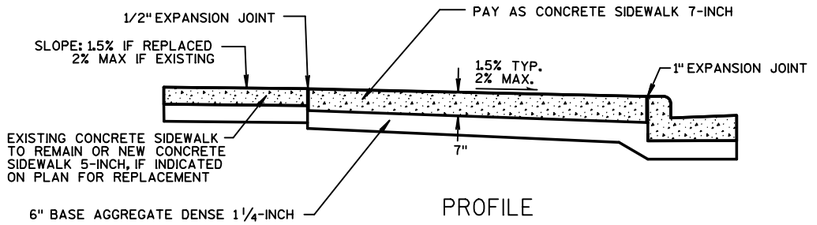
① FOR ASPHALT DRIVEWAYS PLACE 3-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH.

FOR CONCRETE DRIVEWAYS PLACE CONCRETE DRIVEWAY 7-INCH OVER 6-INCHES BASE AGGREGATE DENSE 1¼-INCH.

CONCRETE DRIVE APRON DETAIL

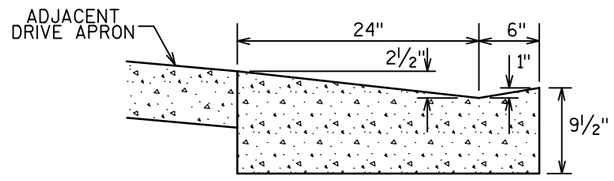


PLAN

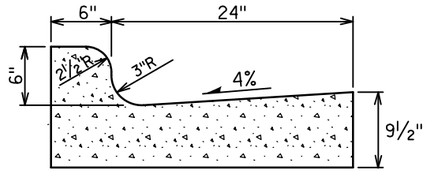


PROFILE

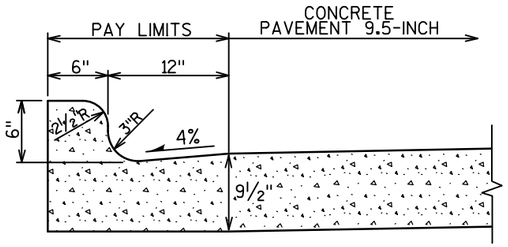
BUS BOARDING PAD DETAIL



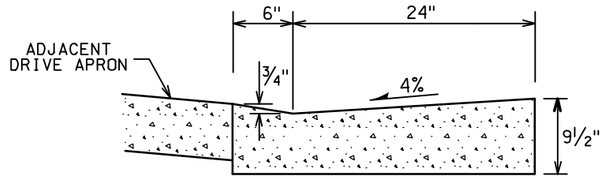
DRIVEWAY SECTION
CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL



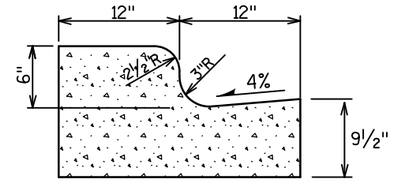
CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL



CONCRETE CURB & GUTTER 18-INCH INTEGRAL SPECIAL



DRIVEWAY SECTION
CONCRETE CURB & GUTTER 30-INCH TYPE A & TYPE D SPECIAL



CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL

GENERAL NOTES:

PLACE LATERAL CONTRACTION JOINTS AT INTERVALS OF NOT MORE THAN 15'NOR LESS THAN 6'IN LENGTH. THE JOINTS SHALL BE A MINIMUM OF 3" IN DEPTH.

PLACE EXPANSION JOINTS TRANSVERSLY AT RADIUS POINTS ON CURVES OF RADIUS 200'OR LESS, AND AT ANGLE POINTS, OR AS DIRECTED BY THE ENGINEER. THE EXPANSION JOINT SHALL BE A ONE PIECE ASPHALTIC MATERIAL HAVING THE SAME DIMENSIONS AS CURB & GUTTER AT THAT STATION AND BE ½" THICK.

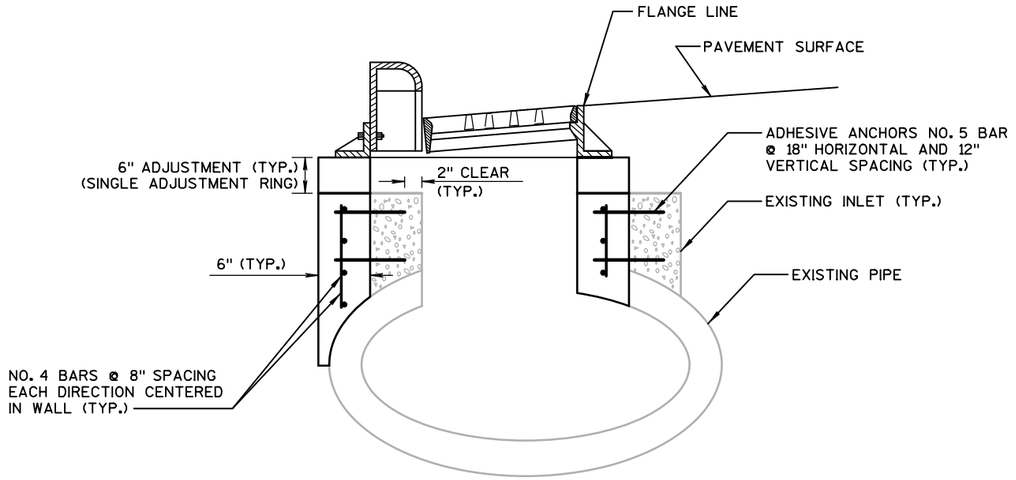
IN ALL CASES, CONCRETE CURB & GUTTER SHALL BE PLACED ON THOROUGHLY COMPACTED BASE AGGREGATE DENSE.

TIE BARS ARE REQUIRED FOR CONCRETE CURB & GUTTER TYPE A.

SEE S.D.D. "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION.

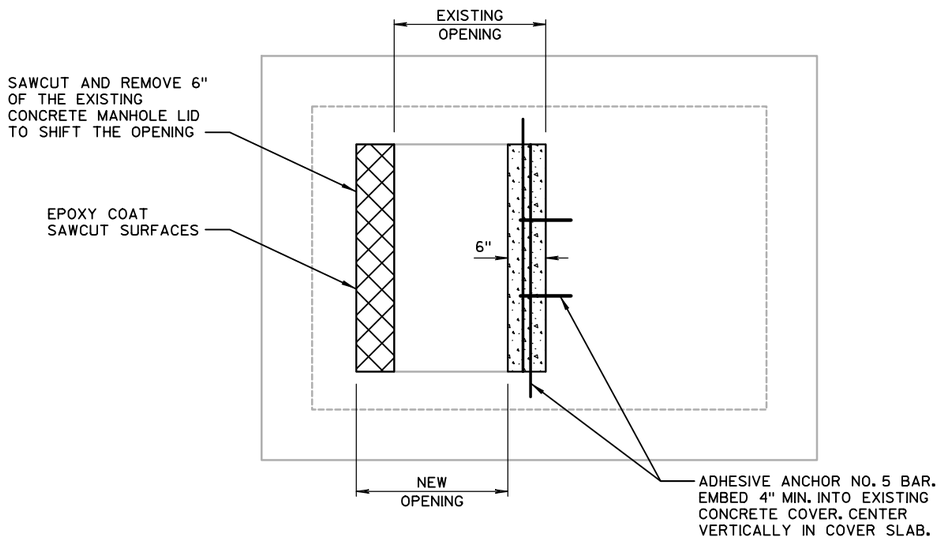
CONCRETE CURB & GUTTER DETAILS

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 8	E



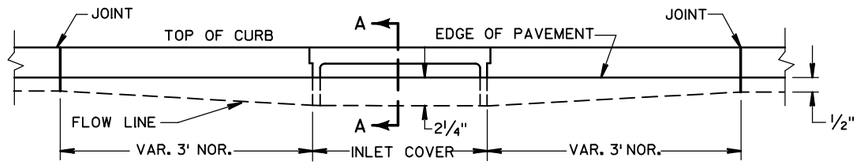
DETAIL OF RECONSTRUCTING INLETS

STA. 229+65 LT
STA. 231+19 LT
STA. 232+55 LT

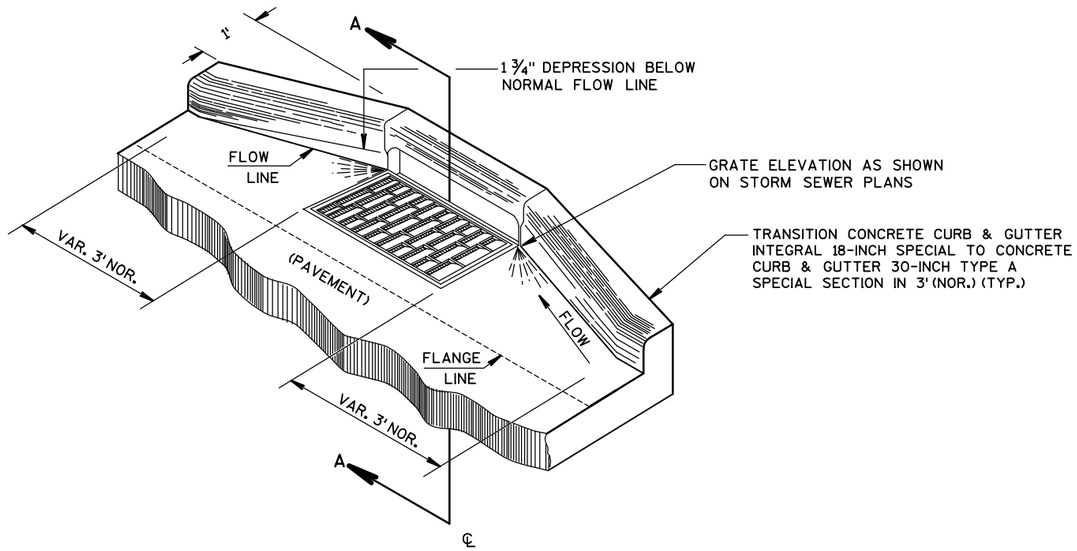


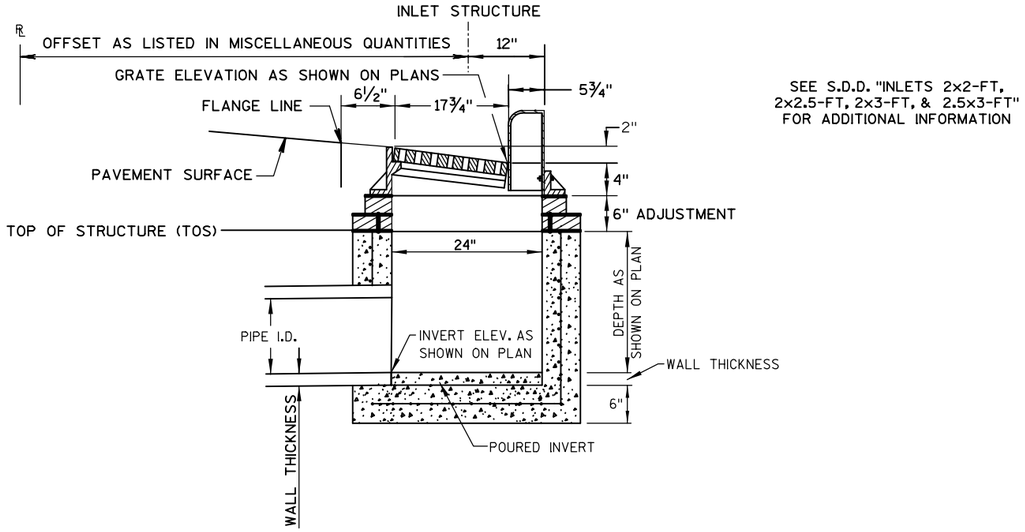
DETAIL OF RECONSTRUCTING INLETS

STA. 234+06 LT



ELEVATION

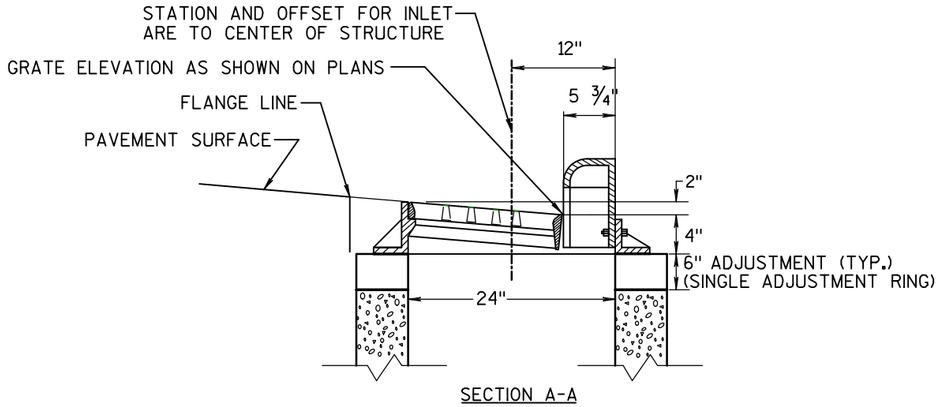




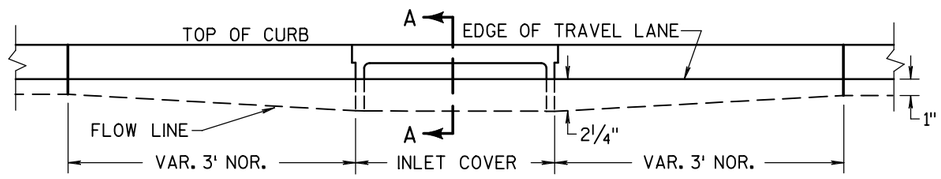
SEE S.D.D. "INLETS 2x2-FT, 2x2.5-FT, 2x3-FT, & 2.5x3-FT" FOR ADDITIONAL INFORMATION

SECTION A-A
(INLETS 2X3-FT - H SHOWN)

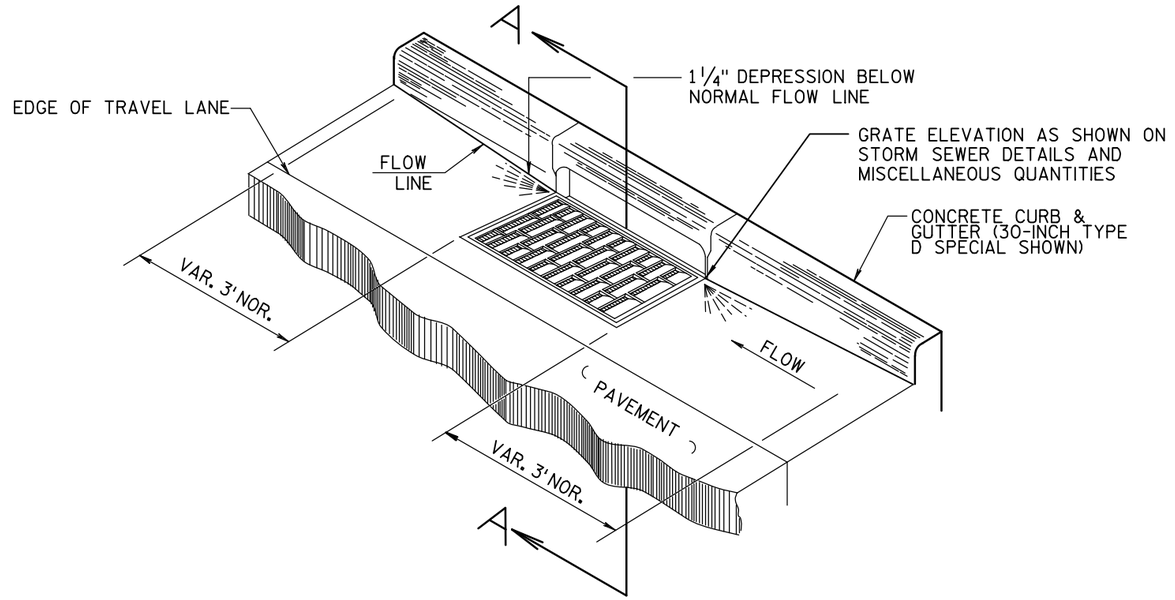
DETAIL OF CONCRETE CURB & GUTTER INTEGRAL 18-INCH SPECIAL AT INLETS



SECTION A-A

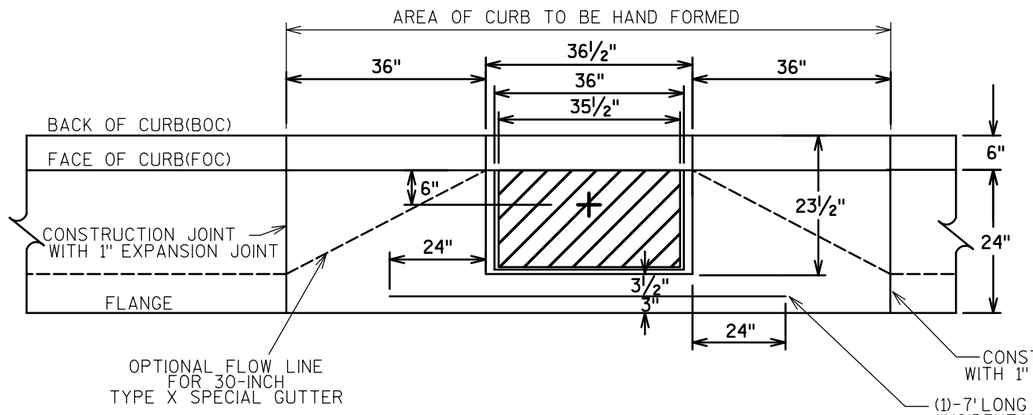


ELEVATION

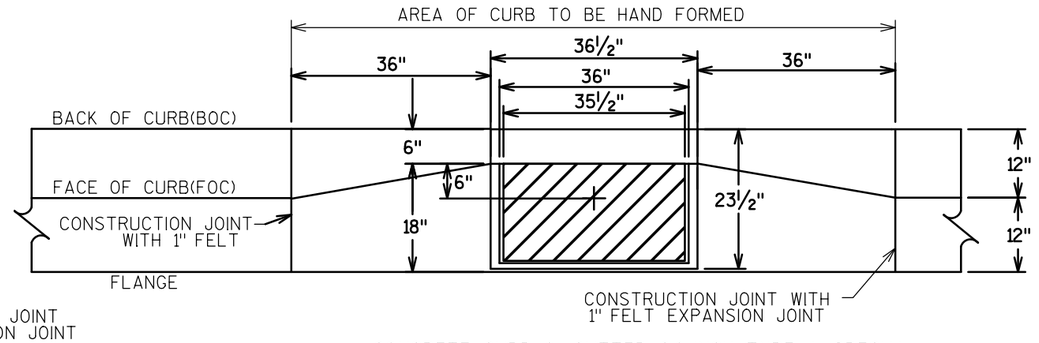


CONCRETE CURB & GUTTER 30-INCH TYPE A AND D SPECIAL AT INLET DETAIL

\+ = CENTER OF STRUCTURE (STATION AND OFFSET AS INDICATED ON THE STORM SEWER PLANS)



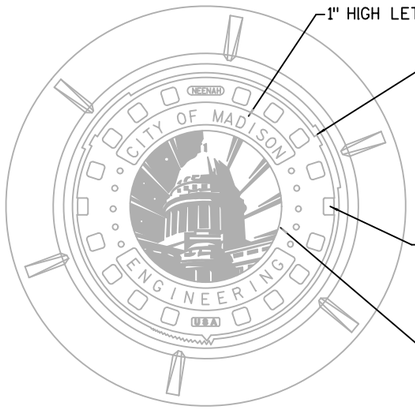
CONCRETE CURB & GUTTER 30-INCH TYPE A AND D SPECIAL
PLAN VIEW



CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
PLAN VIEW

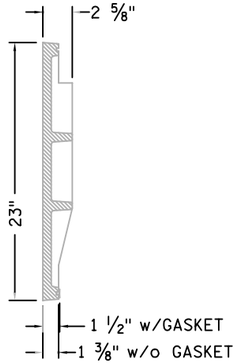
CURB & GUTTER AT INLET DETAIL

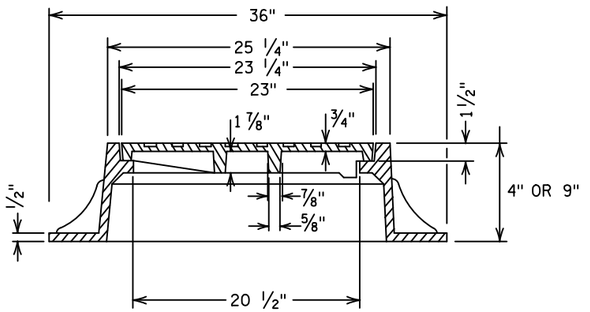
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 10	E

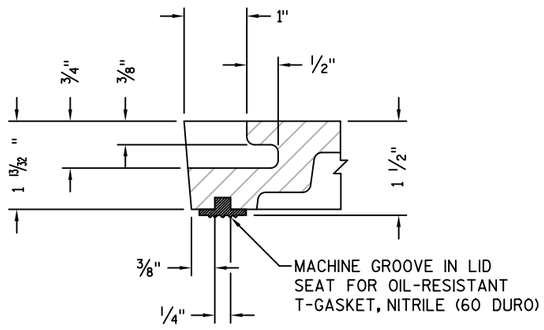


LOGO DETAIL









T-SEAL GASKET / CONCEALED PICK DETAIL

NOTES:

APPROXIMATE TOTAL WEIGHTS:
R-1550 w/ LOGO LID 1550-0054, 9" FRAME AND LID = 265 LBS.
R-1689 w/ LOGO LID 1550-0054, 4" FRAME AND LID = 279 LBS.

IF LOCKABLE LID IS NECESSARY, R-1920, 8¾" FRAME AND LID = 300 LBS THERE IS NO CITY OF MADISON LOGO LID AVAILABLE FOR THIS FRAME AND CASTING.

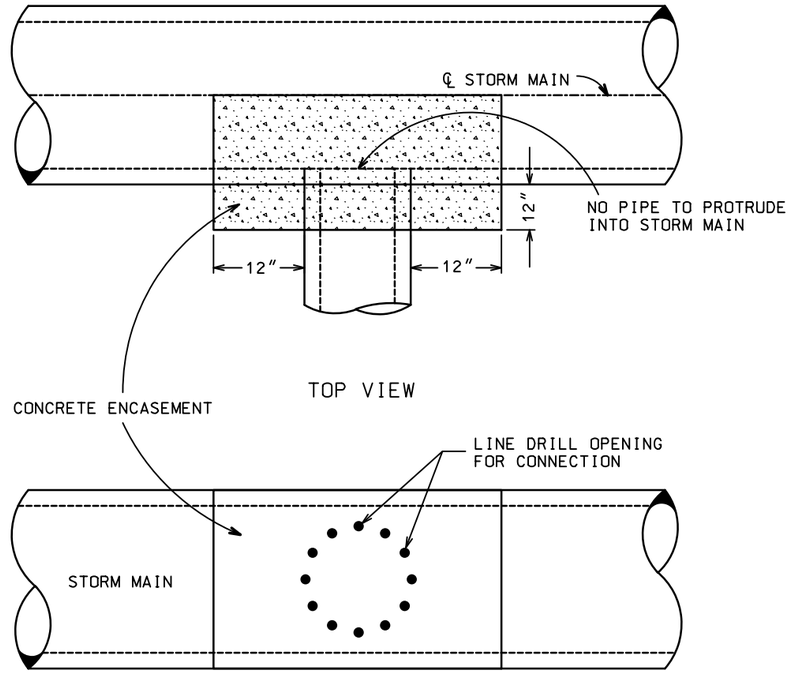
THE FOLLOWING NEENAH FOUNDRY CASTINGS (OR EQUAL CASTINGS) SHALL BE ACCEPTABLE:

1. R-1550, 9" NON-ROCKING ACCESS STRUCTURE FRAME.
2. R-1689, 4" NON-ROCKING ACCESS STRUCTURE FRAME (WHEN REQUESTED BY THE ENGINEER).
3. R-1920, 8¾" ACCESS STRUCTURE FRAME WITH LOCKING LID, TYPE 'F' LOCKS, AND CONCEALED PICK HOLES. TO BE USED IN GREENWAYS AND EASEMENTS.

1. FRAME AND COVER SHALL BE MACHINED AND FITTED SO THAT ROCKING AND CHATTERING WILL BE ELIMINATED.
2. ALL LIDS SHALL BE SELF-SEALING EXCEPT FOR STORM SEWER.
3. ALL LIDS SHALL HAVE CITY OF MADISON LOGO AS SHOWN IN DETAIL (R-1550-0054 OR EQUIV.)

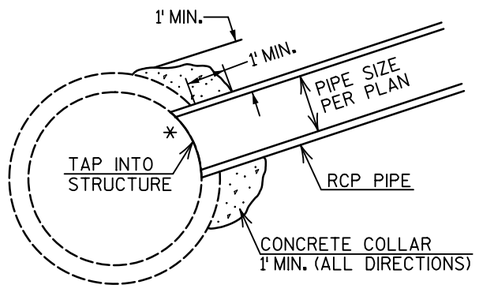
LID NOTES: ALL DIMENSIONS SHOWN ARE IN ENGLISH
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B

MANHOLE COVERS TYPE J-SPECIAL



TOP VIEW

SIDE VIEW

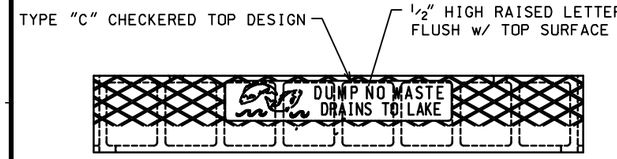


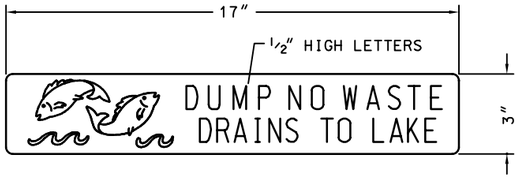
PLAN VIEW

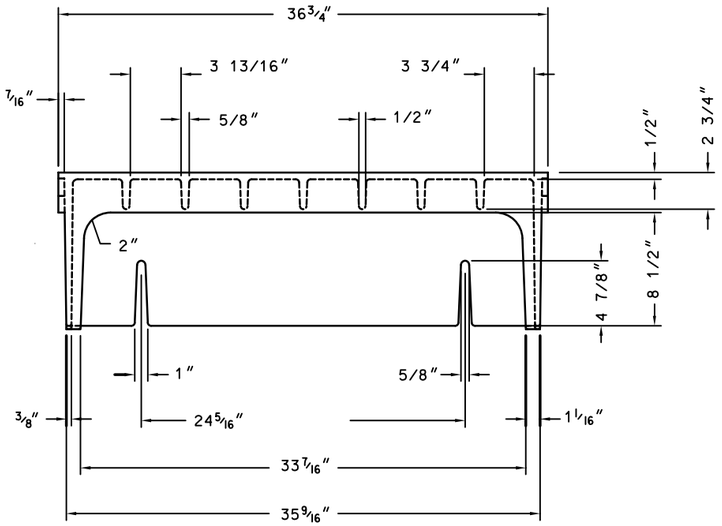
NOTE: CONCRETE COLLAR INCIDENTAL TO STORM SEWER TAP

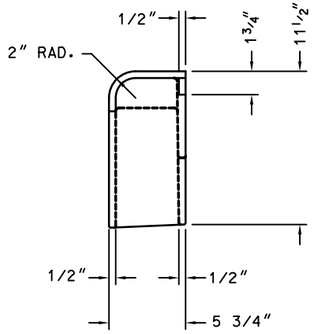
* NO PIPE TO PROTRUDE INTO STORM MAIN

STORM SEWER TAP





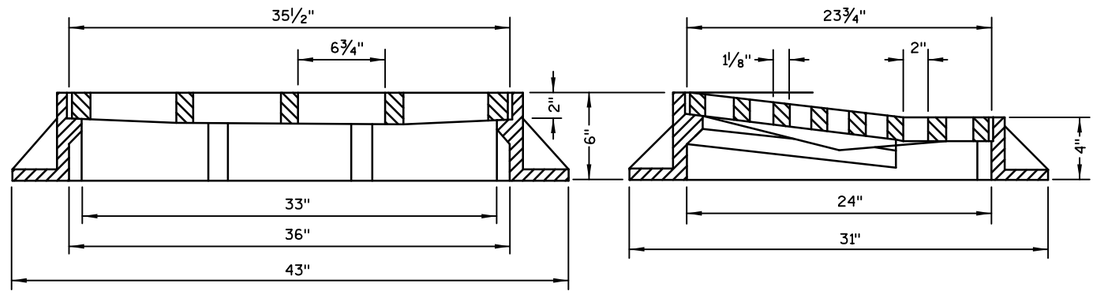




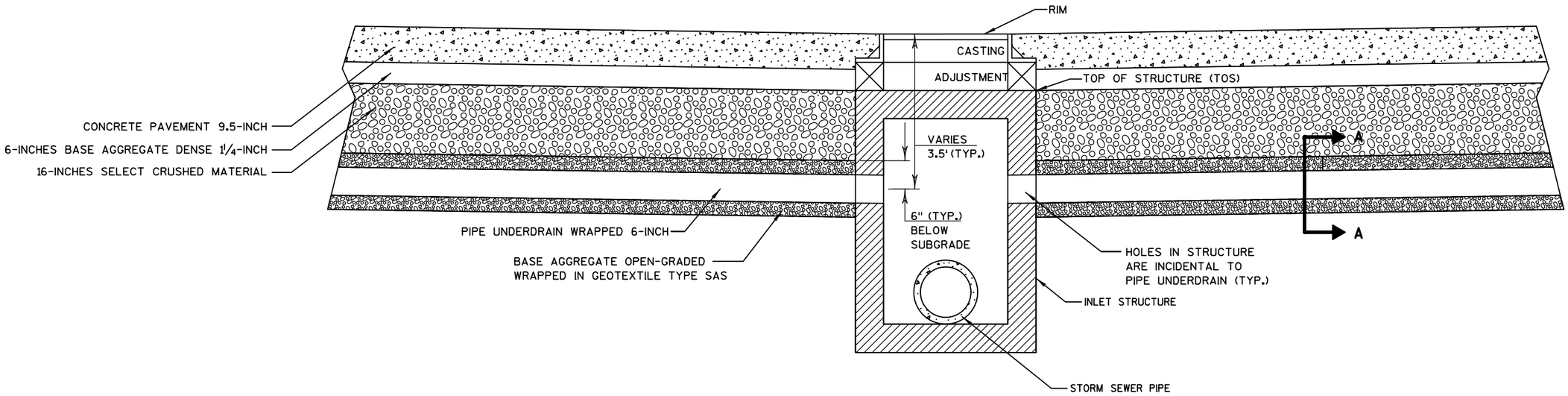
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 126#

INLET COVERS TYPE H OR H-S

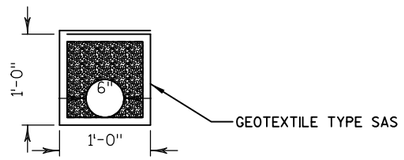
TOTAL WEIGHT APPROXIMATELY 420 POUNDS



INLET COVERS TYPE DW

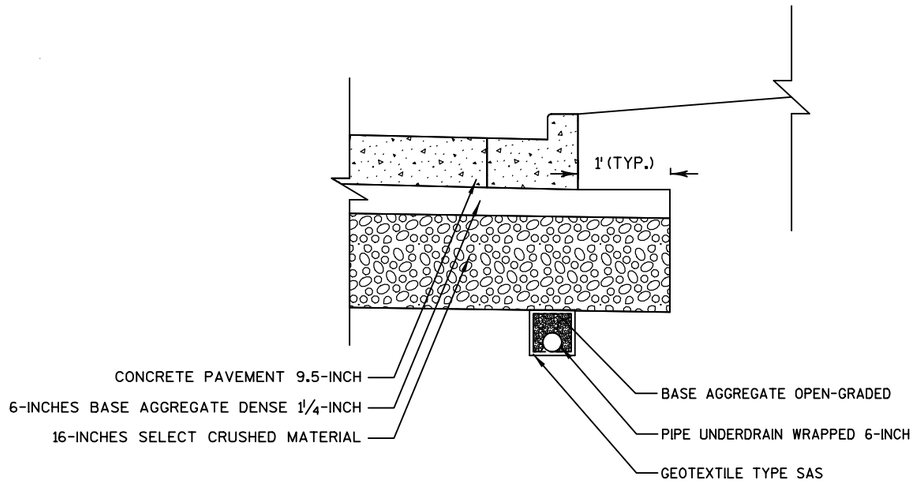


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE PROFILE VIEW



SECTION A-A

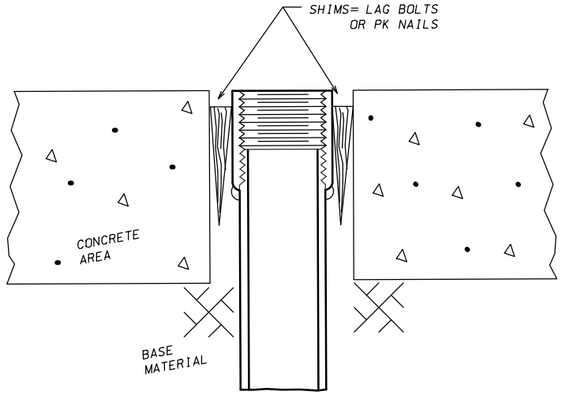
PIPE UNDERDRAIN WRAPPED 6-INCH ENCLOSED IN A
1'-0" X 1'-0" AREA OF BASE AGGREGATE
OPEN-GRADED WRAPPED IN GEOTEXTILE TYPE SAS.

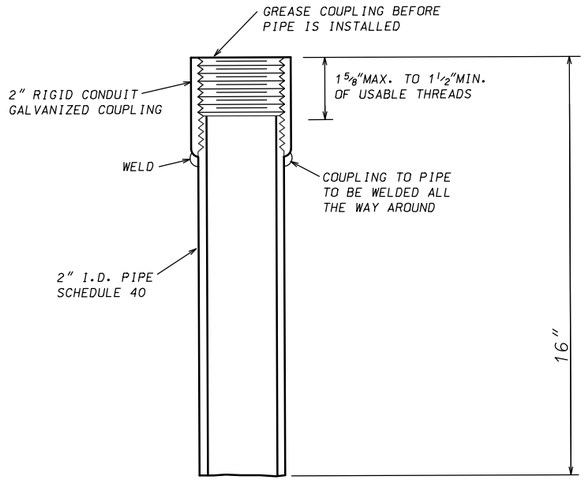


PIPE UNDERDRAIN WRAPPED 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE CROSS SECTION

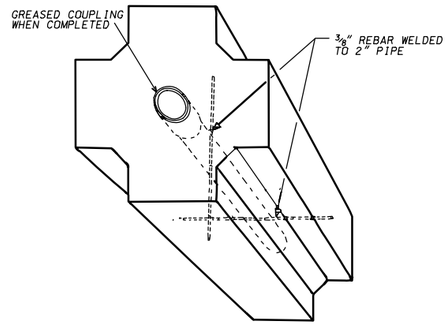
PIPE UNDERDRAIN 6-INCH WITH GEOTEXTILE
FABRIC AND AGGREGATE DETAIL
CONCRETE PAVEMENT LOCATIONS

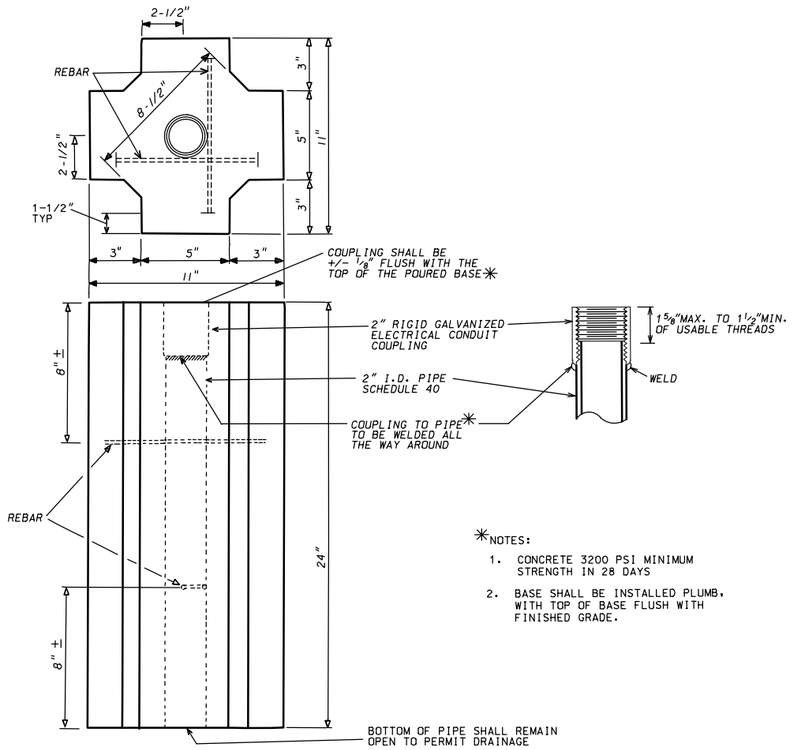
NOTES:
PIPE UNDERDRAIN IS TO BE DISCHARGED INTO A STORM SEWER STRUCTURE.
SEE MISCELLANEOUS QUANTITIES FOR LOCATIONS.





SIGN POST BASE WITHIN CONCRETE INSTALLATION DETAIL

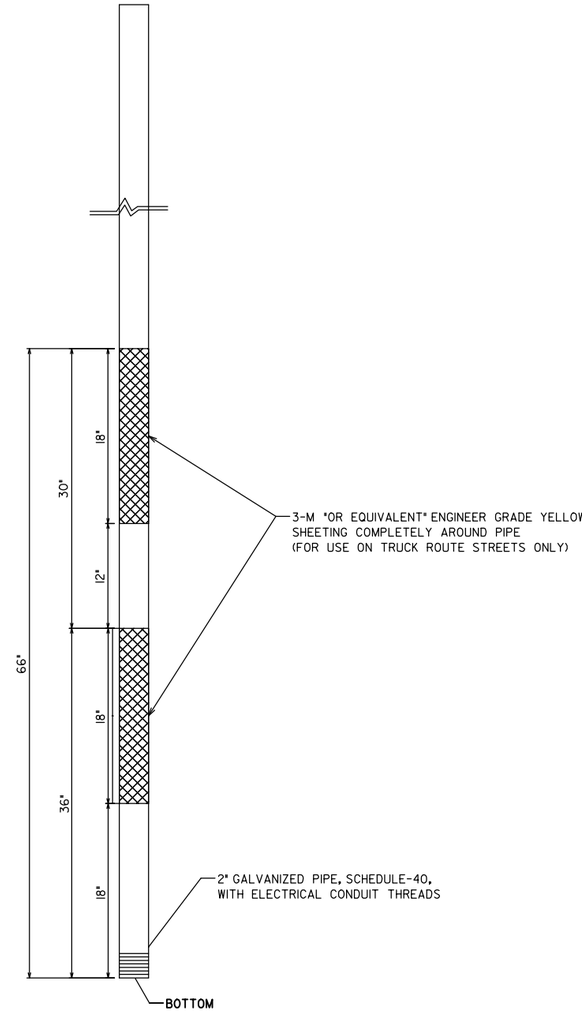




*NOTES:

1. CONCRETE 3200 PSI MINIMUM STRENGTH IN 28 DAYS
2. BASE SHALL BE INSTALLED PLUMB, WITH TOP OF BASE FLUSH WITH FINISHED GRADE.

PRECAST SIGN POST BASE DETAIL



SIGN POST DETAIL

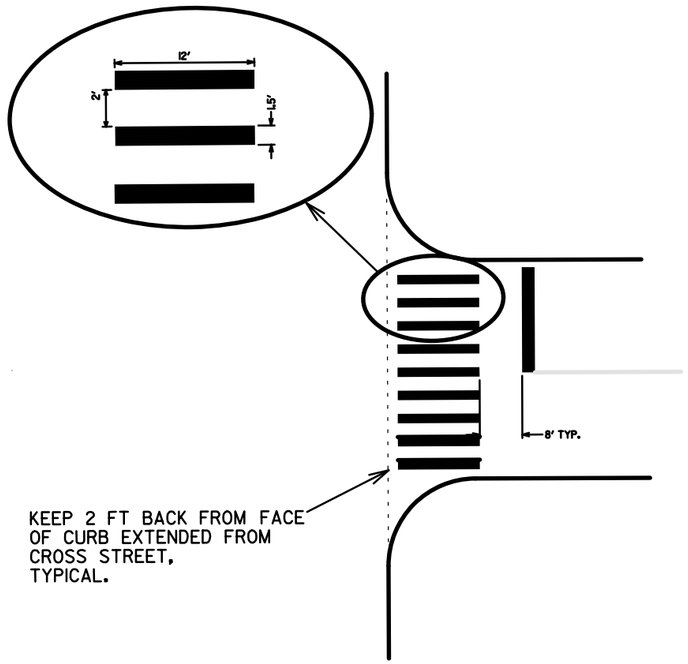
CONTINENTAL CROSSWALKS

CONTINENTAL CROSSWALKS HAVE 18 INCH WIDE 12 FOOT LONG CROSSBARS PLACED IN LINE WITH THE TRAFFIC FLOW.

THE SPACING OR GAP BETWEEN THE CROSSBARS IS 24 INCHES

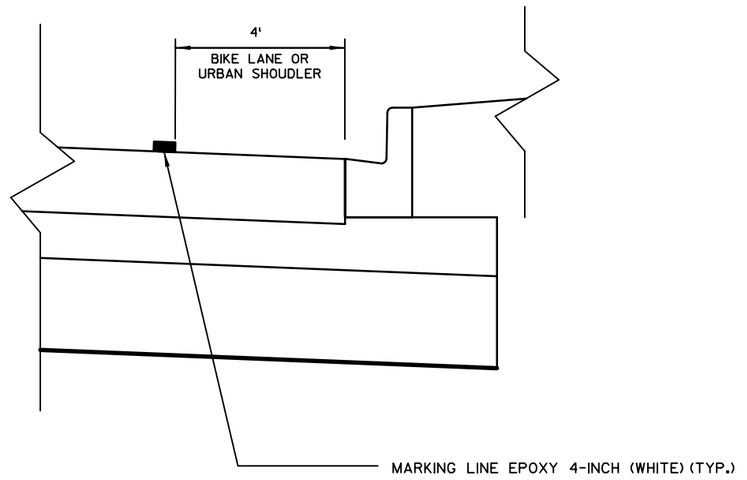
THE CROSSBARS SHOULD BE PLACED IN A MANNER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

PAID FOR AS "MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH"



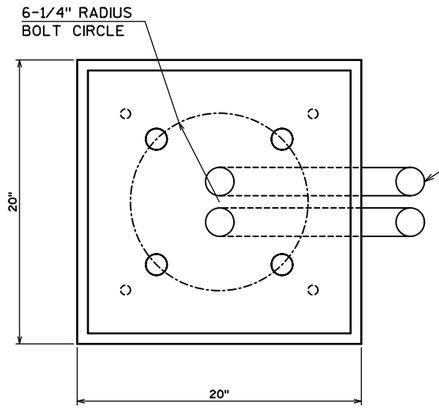
CONTINENTAL CROSSWALK DETAIL

NOT TO SCALE



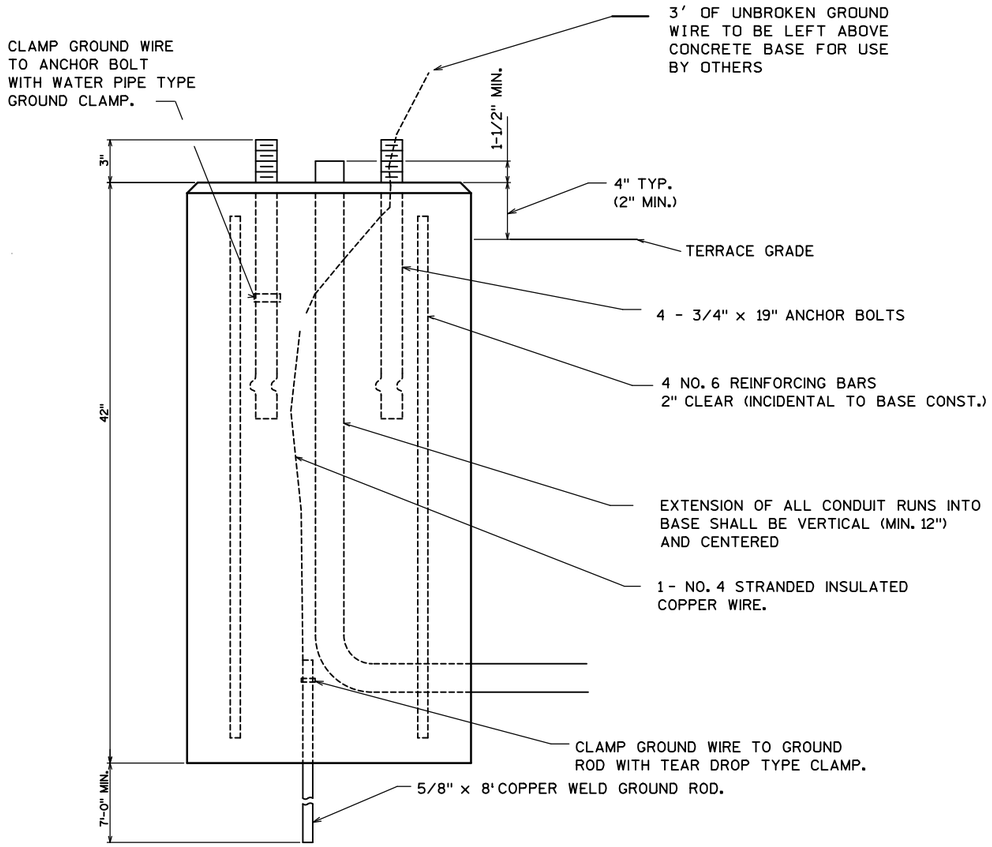
NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.

EAST WASHINGTON AVENUE BIKE LANE AND URBAN SHOULDER PAVEMENT MARKING LOCATION

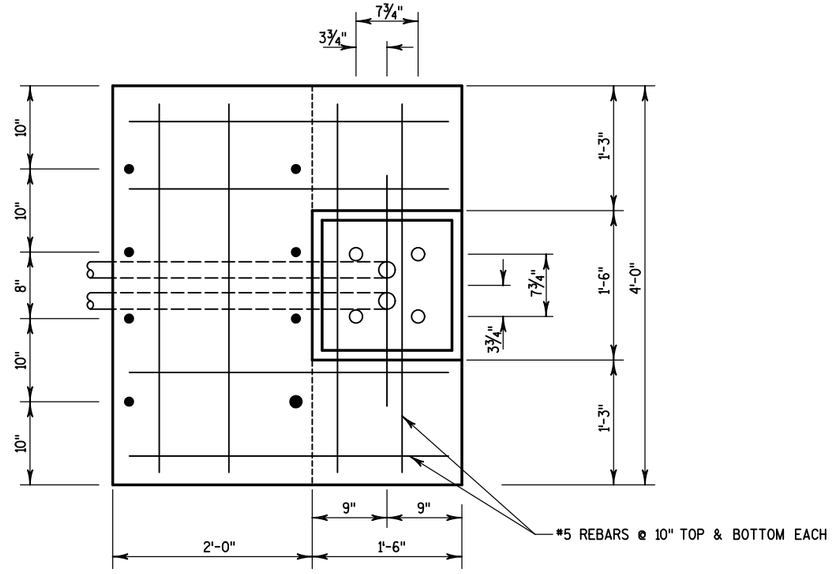


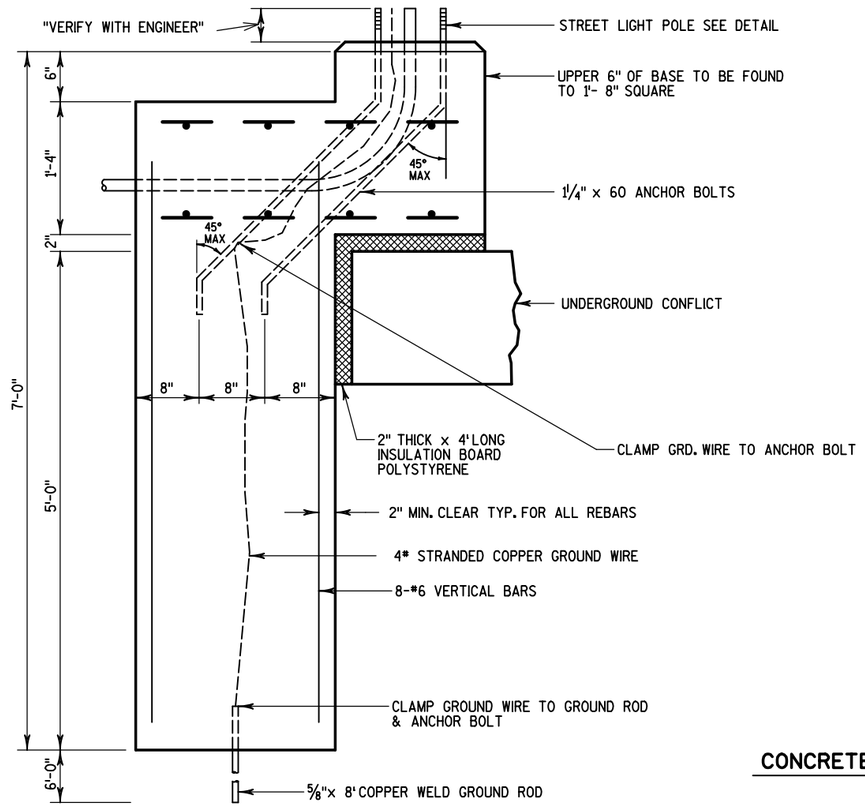
NOTE: FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON THE LOW SIDE.

ALL CONDUIT AND ELBOWS SHOWN IN CONCRETE BASE TO BE INCLUDED IN UNIT PRICE FOR CONCRETE BASE TYPE G.

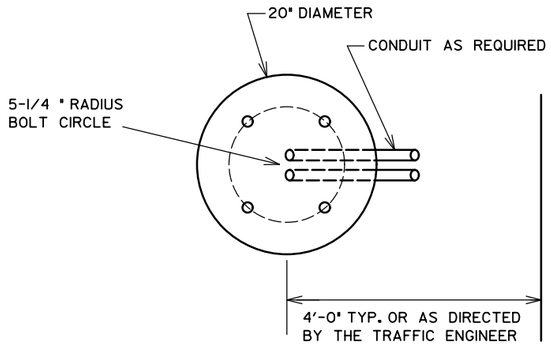


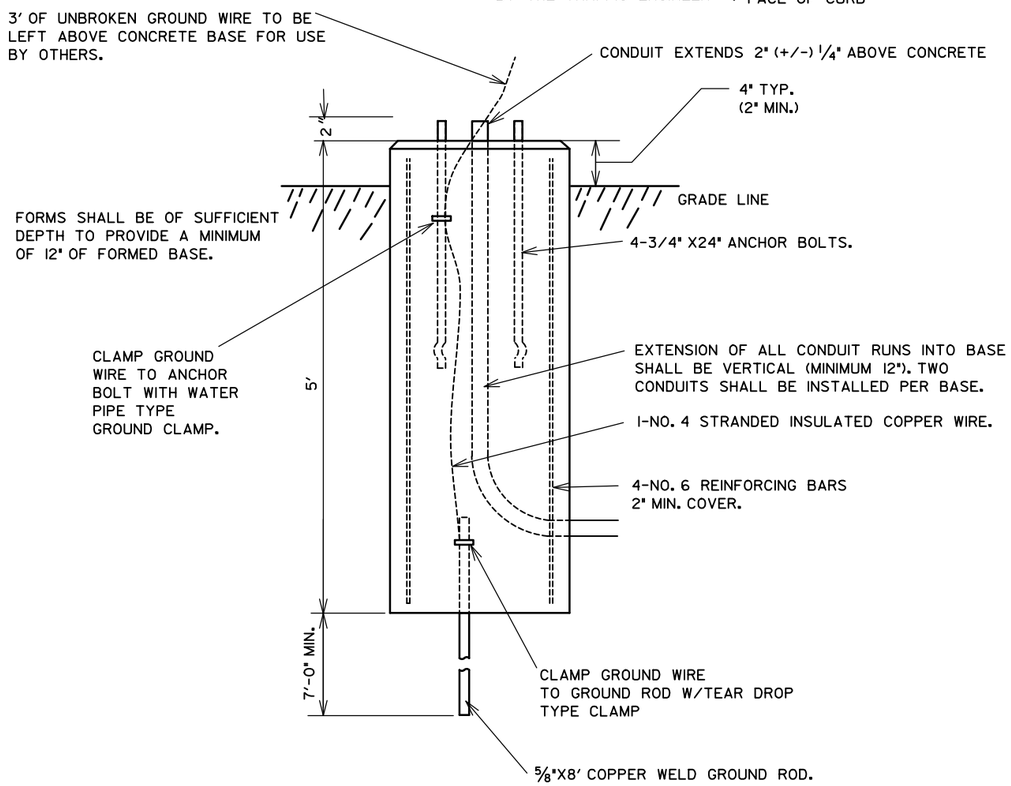
CONCRETE BASE TYPE G



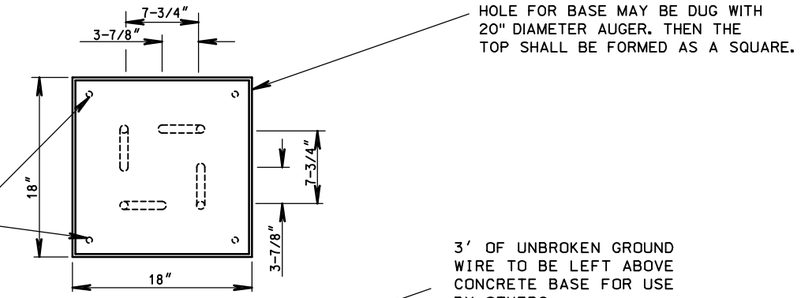


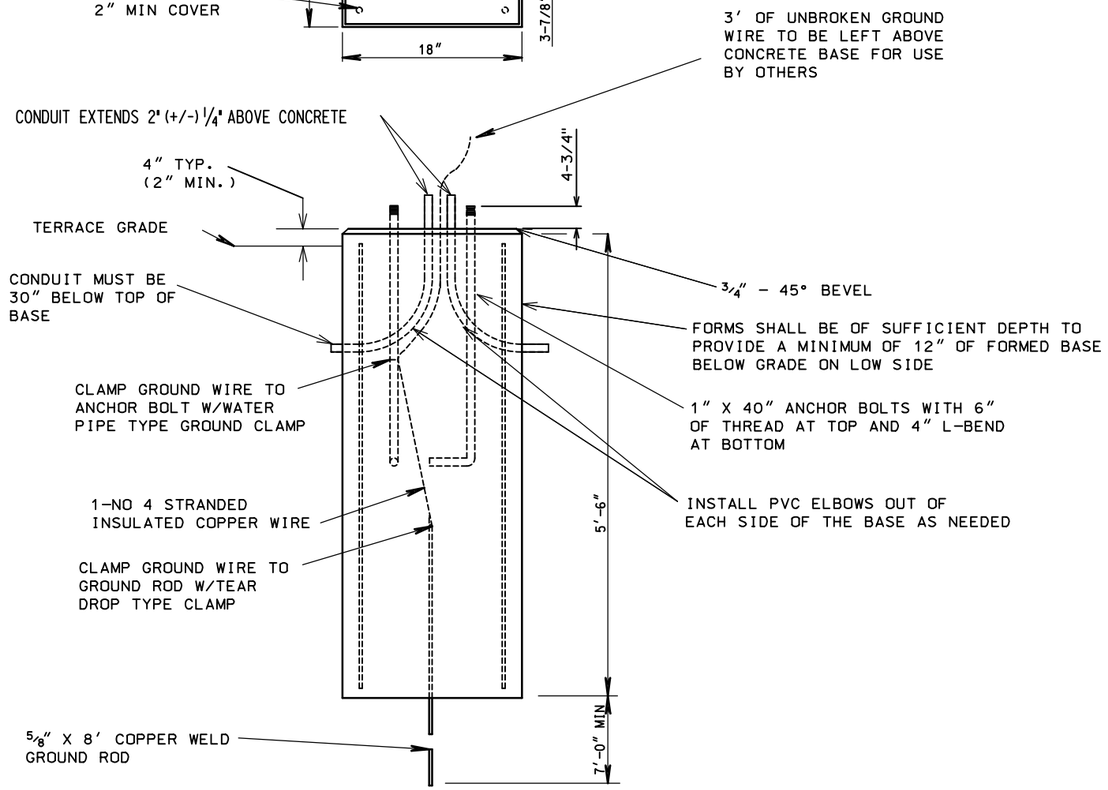
CONCRETE BASE OFFSET

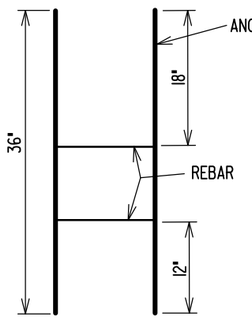




CONCRETE BASE TYPE LB-1



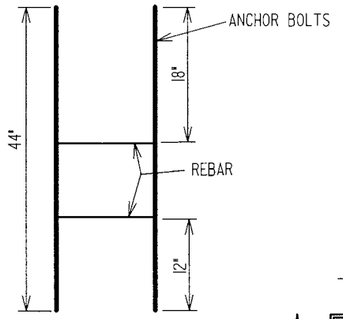




HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.

CONCRETE BASE TYPE LB-3

HORIZONTAL REBAR SHALL BE TACK WELDED OR WIRED TO ANCHOR BOLTS TO FORM ANCHOR BOLT CAGE BEFORE POURING CONCRETE.



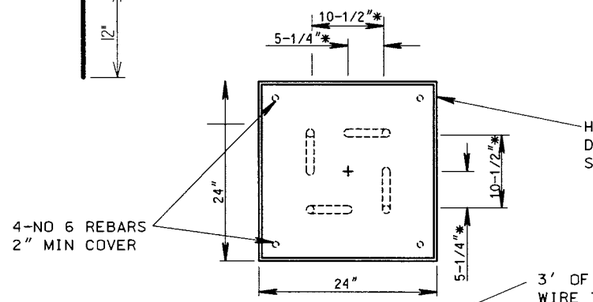
*IF ANOTHER BOLT CIRCLE IS REQUIRED. INSTEAD OF THE 15" BOLT CIRCLE SHOWN, THE FOLLOWING DIMENSIONS SHOULD BE USED

11" BOLT CIRCLE

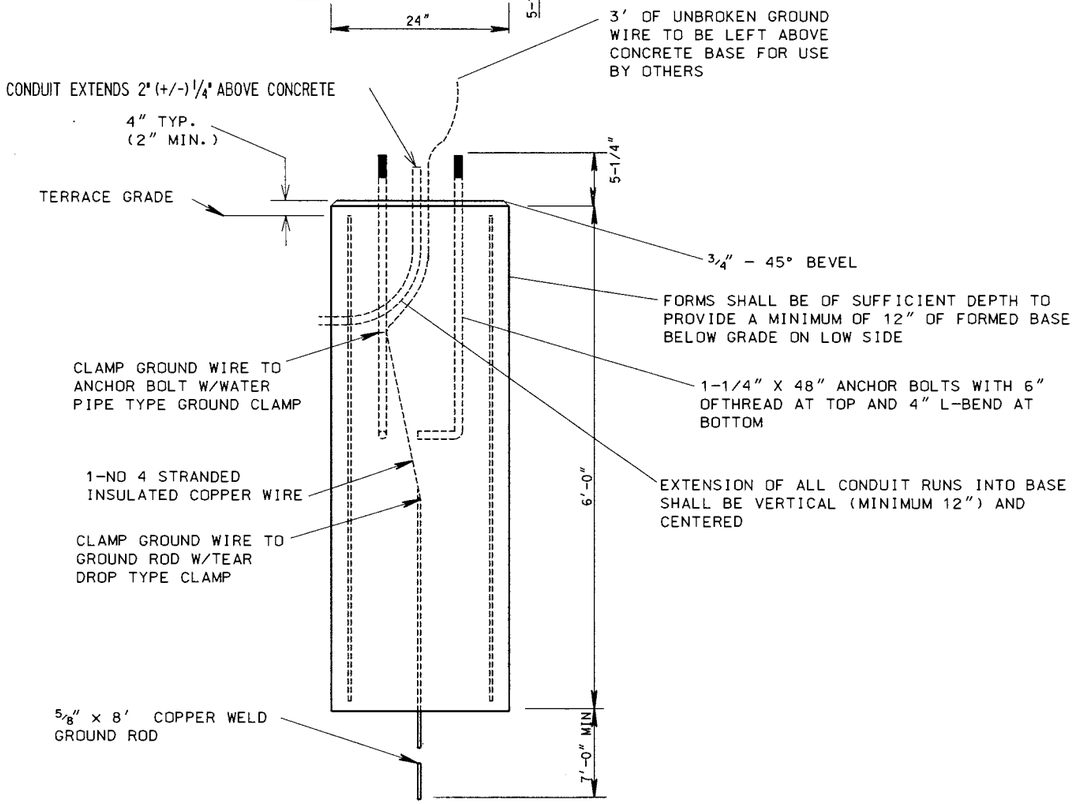
CENTER TO BOLT 3-7/8"
BOLT TO BOLT 7-3/4"

12-1/2" BOLT CIRCLE

CENTER TO BOLT 4-7/16"
BOLT TO BOLT 8-7/8"



HOLE FOR BASE MAY BE DUG WITH 26" DIAMETER AUGER. THEN THE TOP SHALL FORMED AS A SQUARE



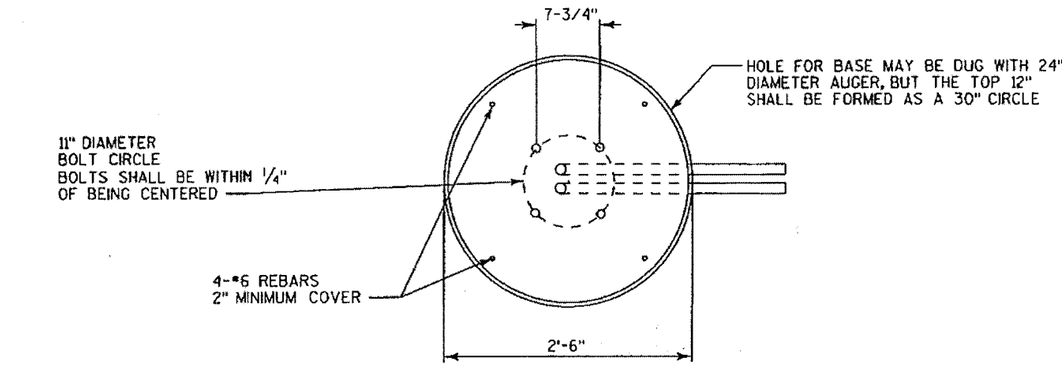
3' OF UNBROKEN GROUND WIRE TO BE LEFT ABOVE CONCRETE BASE FOR USE BY OTHERS

FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON LOW SIDE

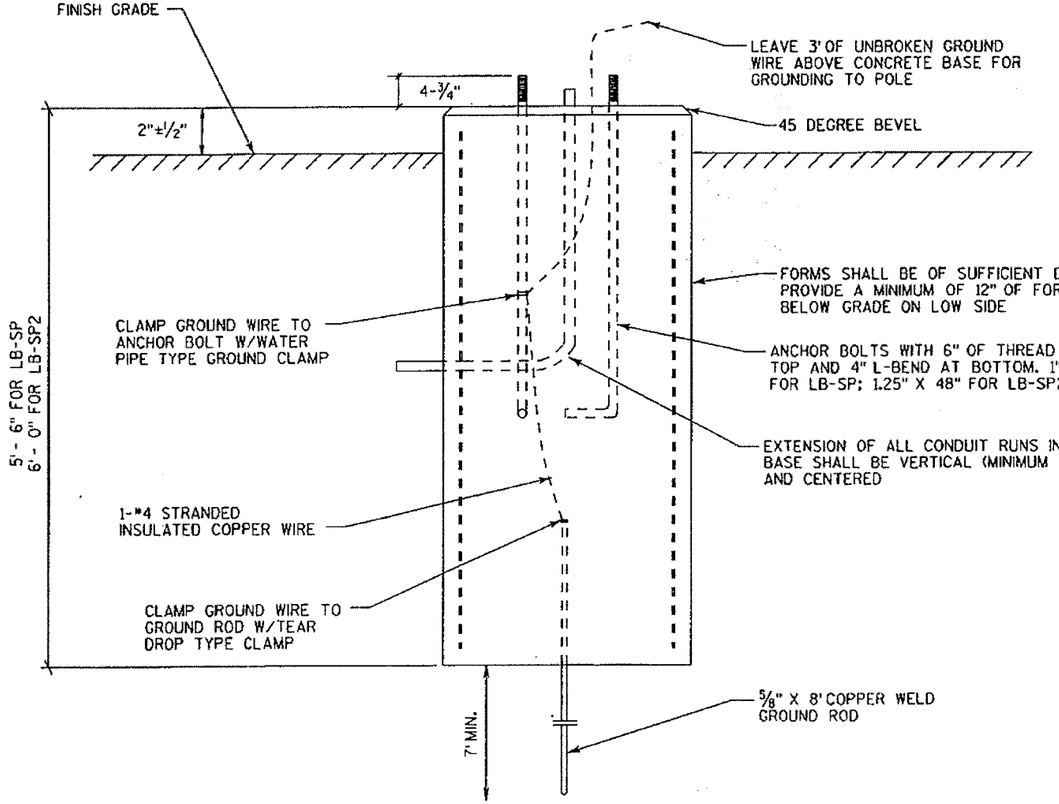
1-1/4" X 48" ANCHOR BOLTS WITH 6" OFTHREAD AT TOP AND 4" L-BEND AT BOTTOM

EXTENSION OF ALL CONDUIT RUNS INTO BASE SHALL BE VERTICAL (MINIMUM 12") AND CENTERED

CONCRETE BASE TYPE LB-8



HOLE FOR BASE MAY BE DUG WITH 24" DIAMETER AUGER, BUT THE TOP 12" SHALL BE FORMED AS A 30" CIRCLE



LEAVE 3' OF UNBROKEN GROUND WIRE ABOVE CONCRETE BASE FOR GROUNDING TO POLE

45 DEGREE BEVEL

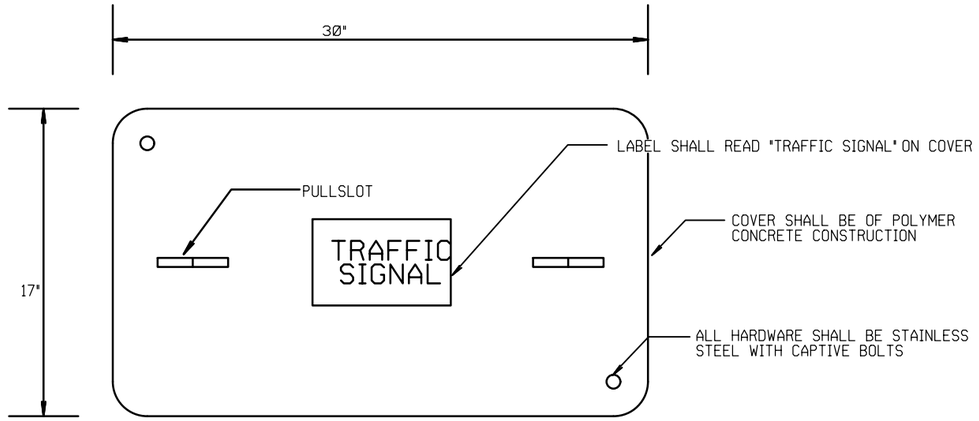
FORMS SHALL BE OF SUFFICIENT DEPTH TO PROVIDE A MINIMUM OF 12" OF FORMED BASE BELOW GRADE ON LOW SIDE

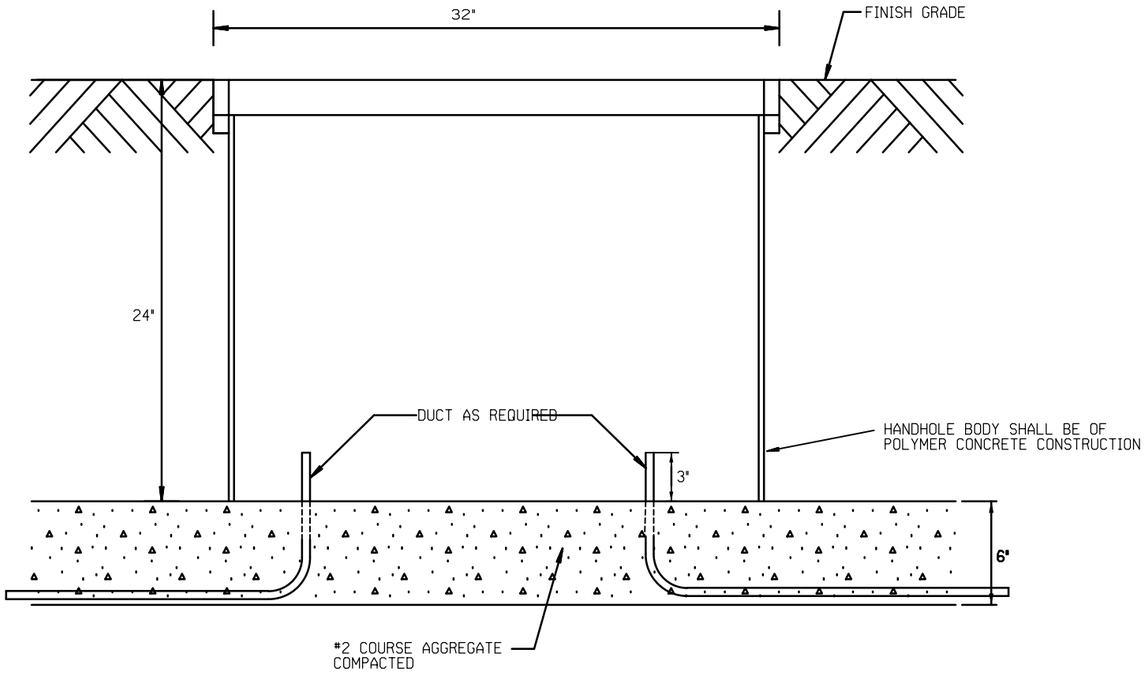
ANCHOR BOLTS WITH 6" OF THREAD AT TOP AND 4" L-BEND AT BOTTOM. 1" X 40" FOR LB-SP; 1.25" X 48" FOR LB-SP2

EXTENSION OF ALL CONDUIT RUNS INTO BASE SHALL BE VERTICAL (MINIMUM 12") AND CENTERED

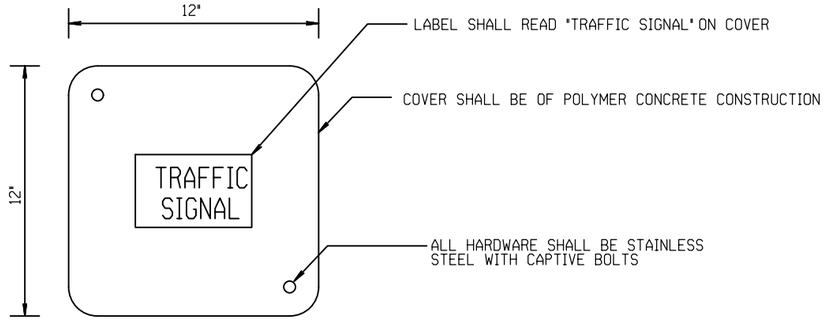
5/8" X 8' COPPER WELD GROUND ROD

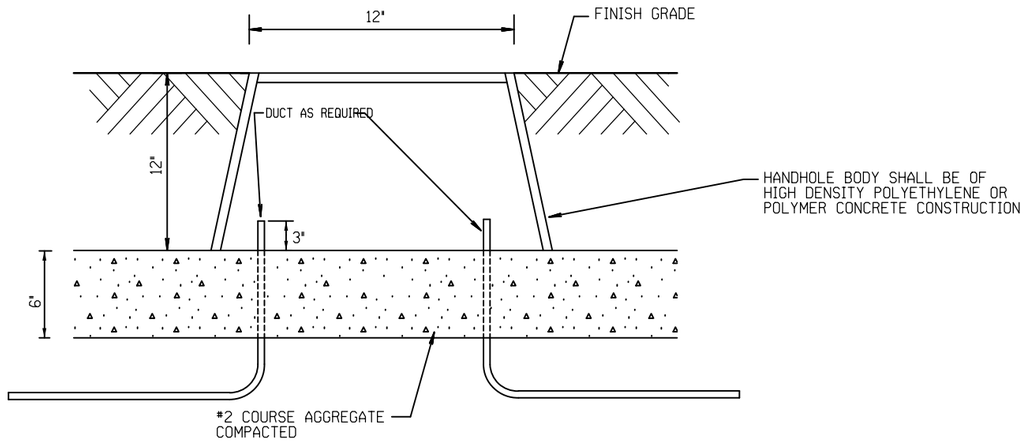
CONCRETE BASE TYPE LB-SP



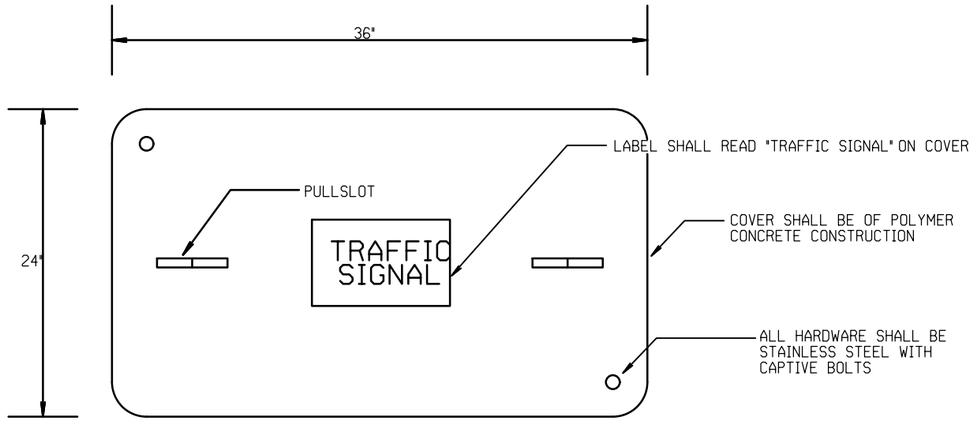


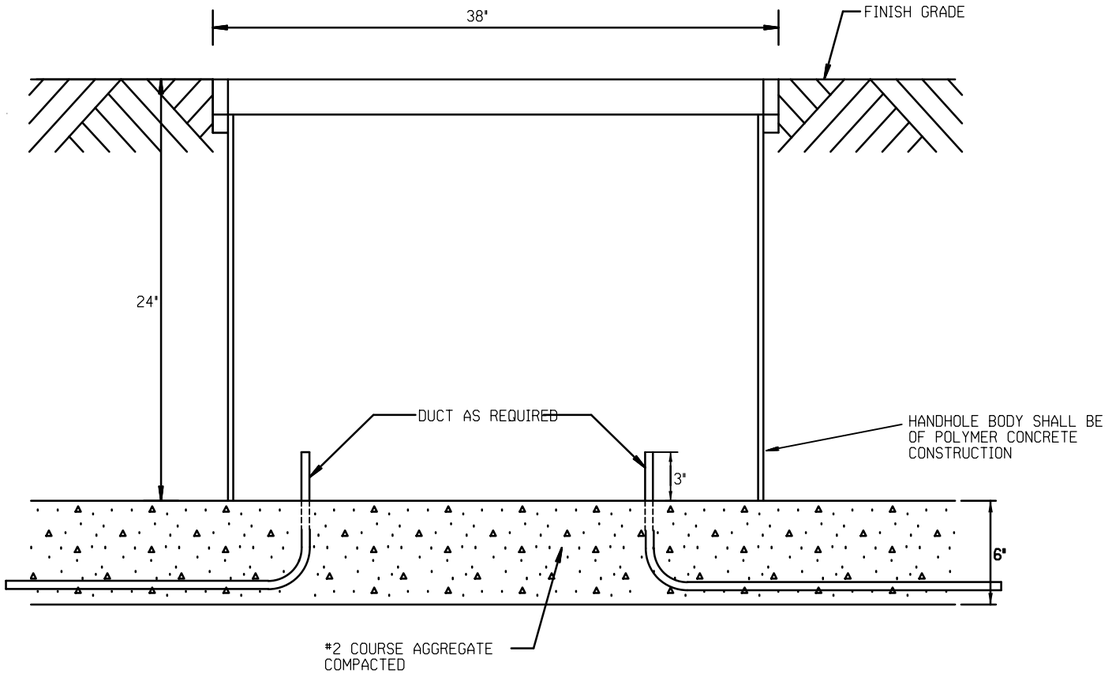
ELECTRICAL PULLBOX, TYPE I



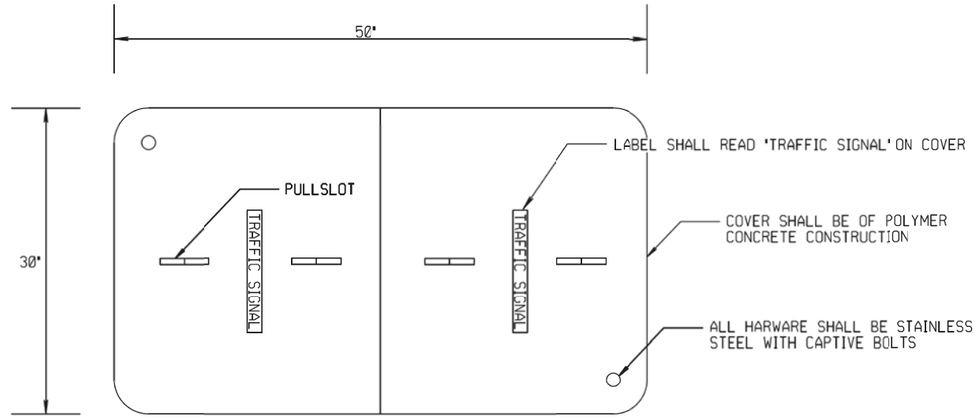


ELECTRICAL PULLBOX, TYPE III

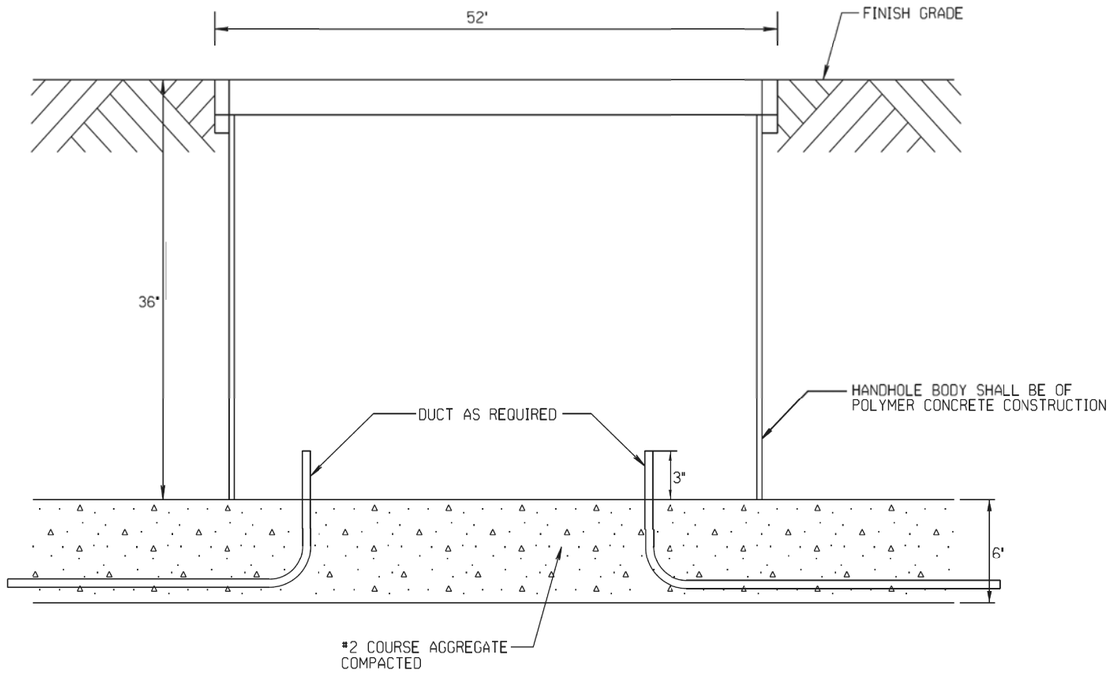




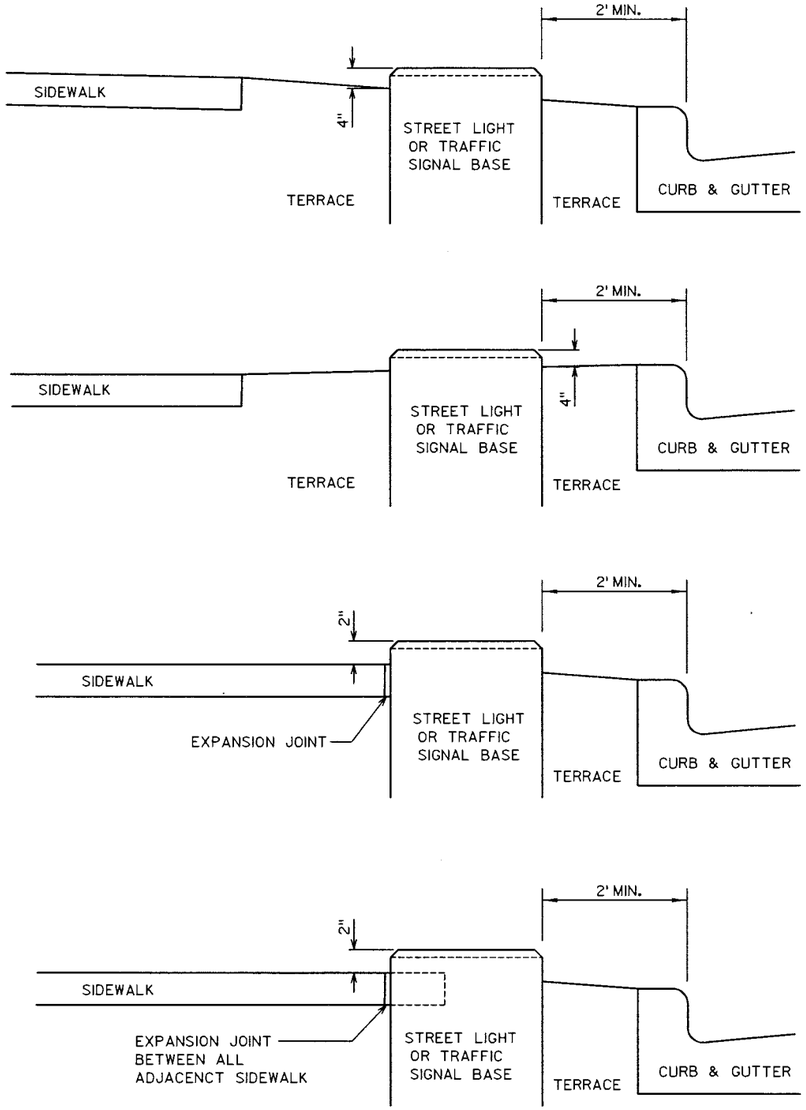
ELECTRICAL PULLBOX, TYPE V



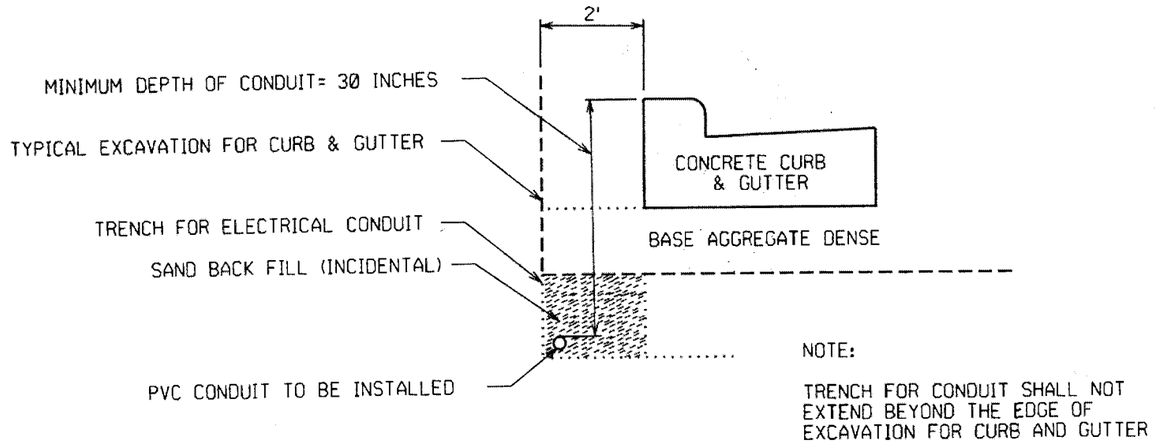
•15,000 LBS MAXIMUM LOAD OVER A 10'X10' TEST AREA RATING FOR COVER AND BOX



ELECTRICAL PULLBOX, TYPE VII

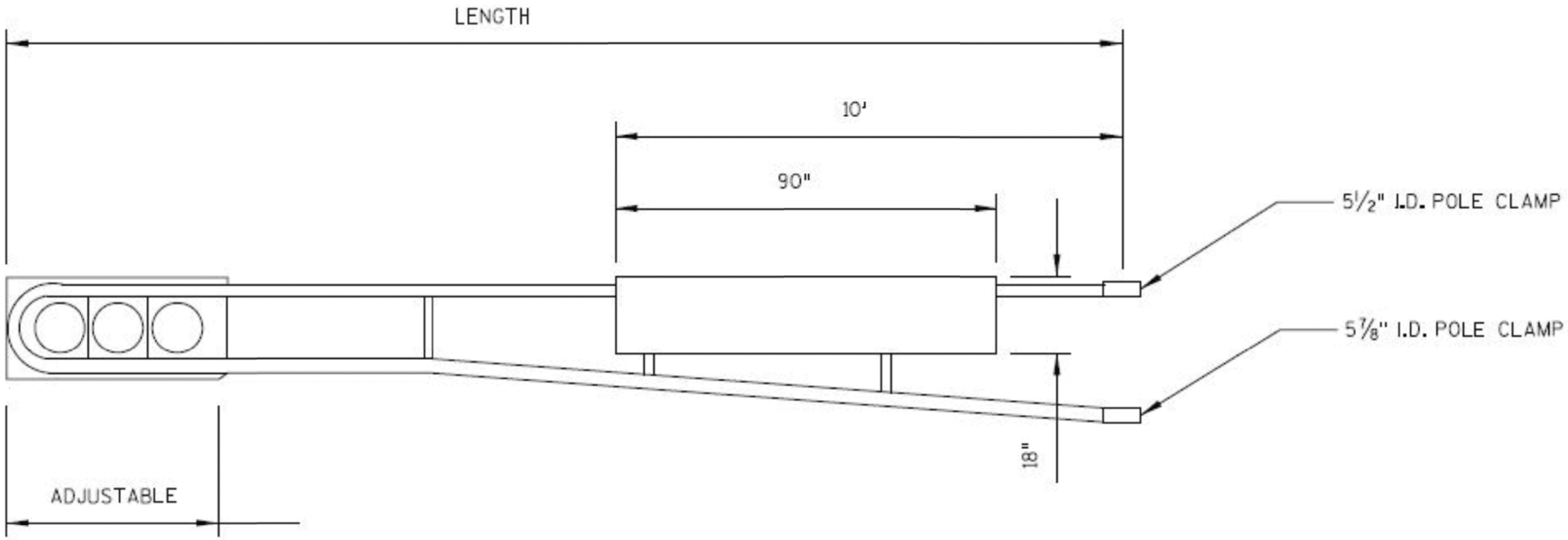


TYPICAL ELEVATIONS FOR CONCRETE BASES



TYPICAL CONDUIT INSTALLATION PARALLEL TO CURB & GUTTER

2



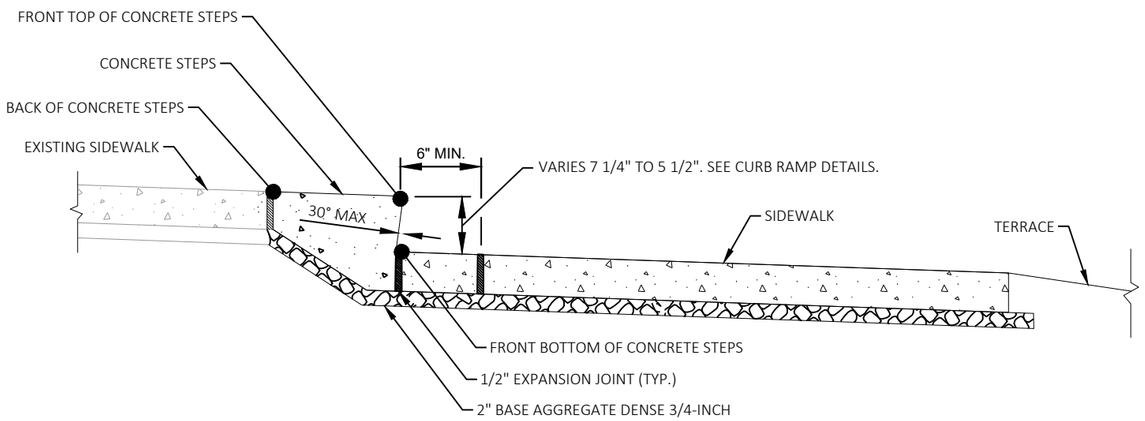
TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 12, 15, 18, 22 FOOT

3-SECTION, 12" SIGNAL WITH BACKPLATE AND 18" X 90" ALUMINUM SIGN

NOTE:

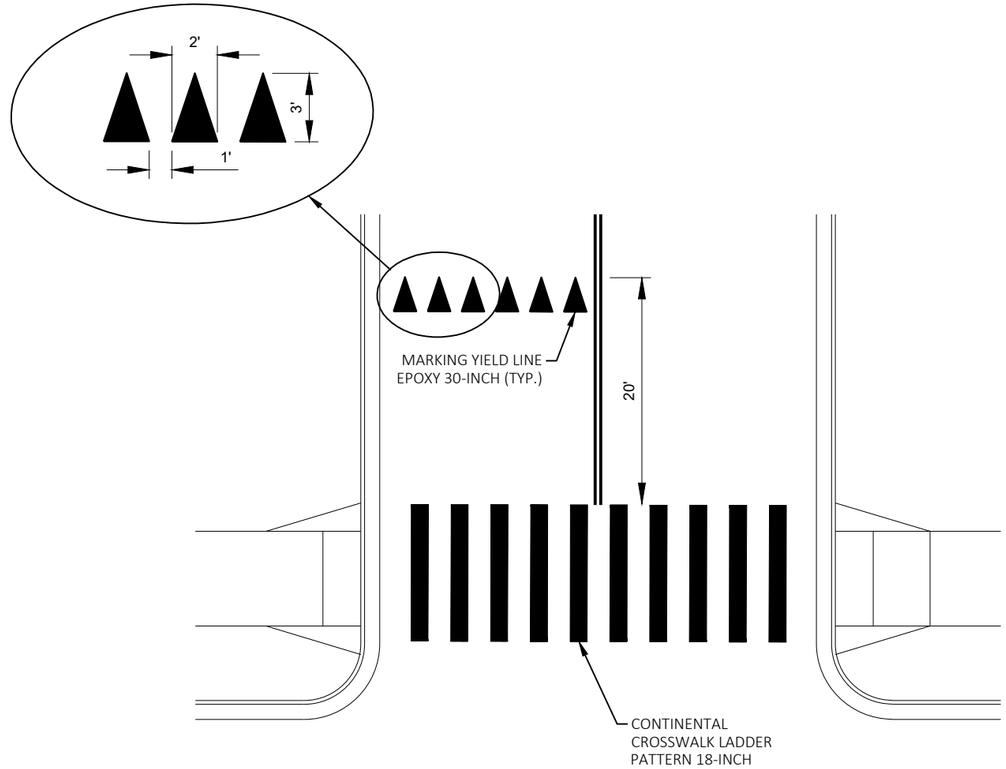
MINIMUM STEP WIDTH SHALL BE 48" UNLESS OTHERWISE NOTED ON THE PLAN DETAIL SHEETS.

STEPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH WISCONSIN BUILDING CODE.



CONCRETE STEPS DETAIL

STA. 56+63 LT



MARKING YIELD LINE EPOXY 30-INCH DETAIL

NOTIFY JEFF MADSON (414 225-3723) A MINIMUM OF 7 DAYS IN ADVANCE OF BEGINNING WORK ON CAMERA POLE RELATED ITEMS AND ALSO 7 DAYS IN ADVANCE OF CAMERA POLE RELATED ITEMS BEING COMPLETED SO THE DEPARTMENT CAN ARRANGE FOR THE DISCONNECTION AND RECONNECTION OF THE CAMERA.

NORTH BLAIR STREET

REMOVING PULL BOXES; PULL BOXES STEEL 24X36-INCH REQ'D

REMOVE CABLE, CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH, REINSTALL CABLE REQ'D

C. OF MADISON

DOA

EAST WASHINGTON AVENUE

WISDOT

227+00

228+00

EXISTING CAMERA POLE TO REMAIN

MG&E

C. OF MADISON

CAMERA POLE ITEMS

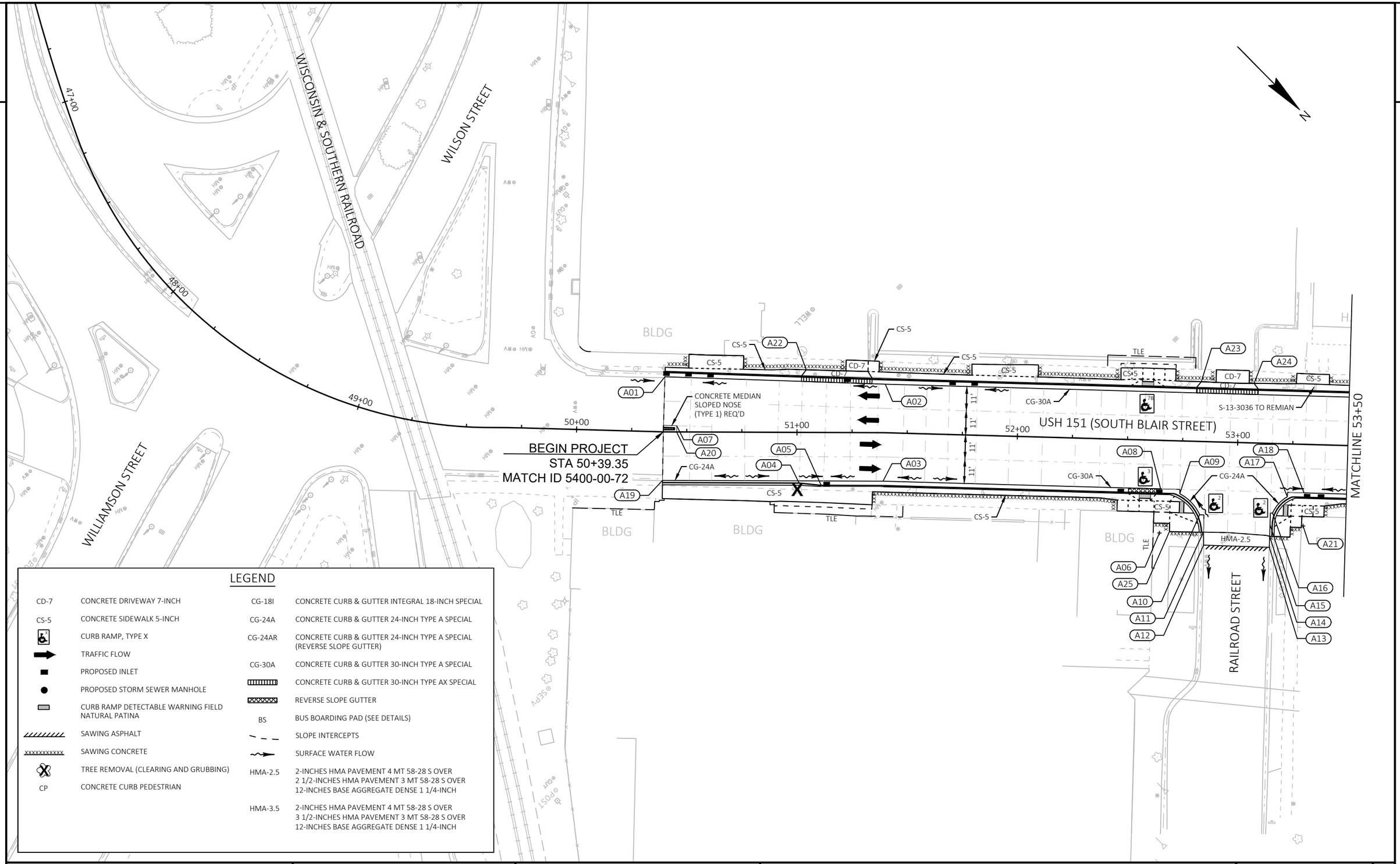
STA. 227+28 LT/RT

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAILS	SHEET 24	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021002-CD.DWG
LAYOUT NAME - 021002-cd

PLOT DATE : 8/26/2021 9:09 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:10 FT

2



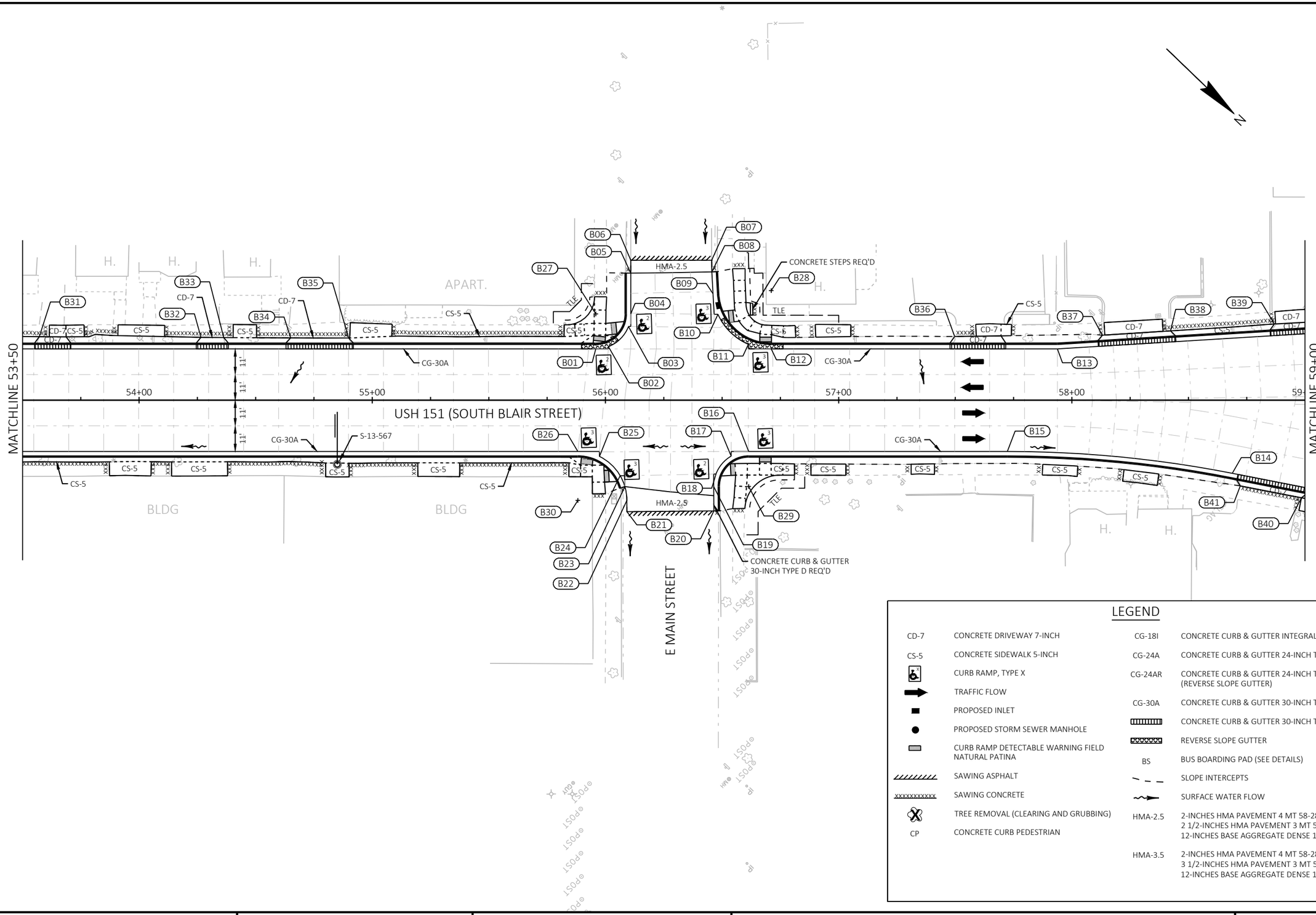
LEGEND

CD-7	CONCRETE DRIVEWAY 7-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
	CURB RAMP, TYPE X
	TRAFFIC FLOW
	PROPOSED INLET
	PROPOSED STORM SEWER MANHOLE
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	SAWING ASPHALT
	SAWING CONCRETE
	TREE REMOVAL (CLEARING AND GRUBBING)
CP	CONCRETE CURB PEDESTRIAN
CG-18I	CONCRETE CURB & GUTTER INTEGRAL 18-INCH SPECIAL
CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL
	REVERSE SLOPE GUTTER
BS	BUS BOARDING PAD (SEE DETAILS)
	SLOPE INTERCEPTS
	SURFACE WATER FLOW
HMA-2.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 2 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
HMA-3.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 3 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PLAN DETAILS	SHEET 25	E

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
A01	50+40.02	24.99' LT	483,481.17	823,310.94	852.54	EOP; MATCH EXIST.
A02	51+39.45	22.00' LT	483,553.69	823,242.08	852.90	EOP; GRADE BREAK
A03	51+39.65	22.00' RT	483,584.32	823,273.67	853.49	EOP; GRADE BREAK
A04	51+01.06	23.00' RT	483,558.24	823,301.39	---	FLOWLINE; GRADE BREAK
A05	51+11.06	24.00' RT	483,565.99	823,294.99	---	FLOWLINE; GRADE BREAK
A06	52+65.63	42.00' RT	483,689.02	823,200.79	---	R=20'
A07	50+45.42	2.82' LT	483,500.72	823,322.71	853.39	EOP
A08	52+65.63	22.00' RT	483,675.16	823,186.37	853.13	EOP; BEGIN RADIUS
A09	52+74.34	24.00' RT	483,682.83	823,181.78	---	EOP; KICKER
A10	52+83.60	33.24' RT	483,695.91	823,182.02	---	EOP; KICKER
A11	52+85.58	41.06' RT	483,702.75	823,186.29	853.24	EOP; END RADIUS; MATCH EXIST.
A12	52+85.82	46.93' RT	483,707.00	823,190.36	853.26	EOP; MATCH EXIST.
A13	53+15.62	47.10' RT	483,728.60	823,169.83	852.63	EOP; MATCH EXIST.
A14	53+15.65	42.10' RT	483,725.15	823,166.20	852.67	EOP; MATCH EXIST.
A15	53+15.68	36.92' RT	483,721.58	823,162.45	852.75	EOP; BEGIN RADIUS
A16	53+16.71	31.54' RT	483,718.60	823,157.86	---	EOP; KICKER
A17	53+23.19	24.00' RT	483,718.05	823,147.93	---	EOP; KICKER
A18	53+30.68	22.00' RT	483,722.06	823,141.30	852.87	EOP; END RADIUS
A19	50+39.35	22.00' RT	483,513.88	823,344.69	853.74	EOP; MATCH EXIST.
A20	50+45.35	0.00'	483,502.68	823,324.75	853.57	EOP
A21	53+30.68	37.00' RT	483,732.46	823,152.12	---	R=15'
A22	51+04.10	28.40' LT	483,523.87	823,263.04	---	MATCH EXIST.; FOW
A23	52+82.71	27.13' LT	483,653.44	823,139.11	---	MATCH EXIST.; FOW
A24	53+06.66	27.03' LT	483,670.77	823,122.59	---	MATCH EXIST.; FOW
A25	52+70.14	41.23' RT	483,691.74	823,197.11	---	MATCH EXIST.; FOW

2



LEGEND

CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18I	CONCRETE CURB & GUTTER INTEGRAL 18-INCH SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	CURB RAMP, TYPE X	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED INLET		CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL
	PROPOSED STORM SEWER MANHOLE		REVERSE SLOPE GUTTER
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	BS	BUS BOARDING PAD (SEE DETAILS)
	SAWING ASPHALT		SLOPE INTERCEPTS
	SAWING CONCRETE		SURFACE WATER FLOW
	TREE REMOVAL (CLEARING AND GRUBBING)	HMA-2.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 2 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
CP	CONCRETE CURB PEDESTRIAN	HMA-3.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 3 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PLAN DETAILS	SHEET 27	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd
PLOT DATE : 7/27/2021 4:35 PM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
B01	55+95.86	22.00' LT	483,882.78	822,925.83	860.18	EOP; END RADIUS
B02	56+01.25	23.00' LT	483,885.97	822,921.38	---	EOP; KICKER
B03	56+09.86	31.61' LT	483,886.21	822,909.20	---	EOP; KICKER
B04	56+10.86	37.00' LT	483,883.20	822,904.62	861.34	EOP; BEGIN RADIUS
B05	56+10.85	54.51' LT	483,871.06	822,892.00	862.79	EOP; MATCH EXIST.
B06	56+10.85	60.02' LT	483,867.24	822,888.03	863.24	EOP; MATCH EXIST.
B07	56+45.56	60.02' LT	483,892.27	822,863.97	863.17	EOP; MATCH EXIST.
B08	56+45.63	55.02' LT	483,895.78	822,867.53	862.83	EOP; MATCH EXIST.
B09	56+46.13	45.66' LT	483,902.64	822,873.94	862.14	EOP; END RADIUS
B10	56+48.24	36.86' LT	483,910.25	822,878.81	---	EOP; KICKER
B11	56+61.30	24.00' LT	483,928.58	822,879.04	---	EOP; KICKER
B12	56+71.10	22.00' LT	483,937.03	822,873.70	859.93	EOP; BEGIN RADIUS
B13	57+93.80	22.00' LT	484,025.50	822,788.68	859.19	EOP; GRADE BREAK
B14	58+68.82	31.35' RT	484,116.56	822,775.17	856.62	EOP; END RADIUS
B15	57+72.36	22.00' RT	484,040.53	822,835.25	857.37	EOP; BEGIN RADIUS
B16	56+61.43	22.00' RT	483,960.55	822,912.12	858.18	EOP; END RADIUS
B17	56+53.92	24.02' RT	483,956.53	822,918.78	---	EOP; KICKER
B18	56+47.41	31.67' RT	483,957.14	822,928.81	---	EOP; KICKER
B19	56+46.43	37.06' RT	483,960.17	822,933.37	857.83	EOP; BEGIN RADIUS
B20	56+46.47	47.49' RT	483,967.42	822,940.86	857.32	EOP; MATCH EXIST.
B21	56+09.22	47.82' RT	483,940.79	822,966.91	857.31	EOP; MATCH EXIST.
B22	56+09.16	43.07' RT	483,937.45	822,963.53	857.57	EOP, END RADIUS
B23	56+08.30	37.08' RT	483,932.69	822,959.80	857.90	EOP
B24	56+06.29	32.41' RT	483,928.01	822,957.83	---	EOP; KICKER
B25	55+97.41	24.15' RT	483,915.88	822,958.03	---	EOP; KICKER
B26	55+88.16	22.00' RT	483,907.71	822,962.89	858.07	EOP; BEGIN RADIUS
B27	55+95.86	37.00' LT	483,872.39	822,915.01	---	R=15'
B28	56+71.10	47.00' LT	483,919.71	822,855.67	---	R=25'
B29	56+61.43	37.00' RT	483,970.94	822,922.94	---	R=15'
B30	55+88.16	43.00' RT	483,922.27	822,978.03	---	R=21'
B31	53+57.20	27.23' LT	483,707.07	823,087.42	---	MATCH EXIST.; FOW
B32	54+26.53	26.95' LT	483,757.26	823,039.59	---	MATCH EXIST.; FOW
B33	54+36.27	26.85' LT	483,764.35	823,032.91	---	MATCH EXIST.; FOW
B34	54+65.00	26.72' LT	483,785.15	823,013.10	---	MATCH EXIST.; FOW
B35	54+89.87	26.65' LT	483,803.13	822,995.92	---	MATCH EXIST.; FOW
B36	57+49.74	27.32' LT	483,990.05	822,815.37	---	MATCH EXIST.; FOW
B37	58+13.09	27.87' LT	484,035.34	822,771.08	---	MATCH EXIST.; FOW
B38	58+42.35	29.73' LT	484,055.15	822,749.46	---	MATCH EXIST.; FOW
B39	58+86.86	32.71' LT	484,085.18	822,716.47	---	MATCH EXIST.; FOW
B40	58+98.48	41.86' RT	484,145.23	822,762.19	---	MATCH EXIST.; FOW
B41	58+72.23	36.77' RT	484,122.78	822,776.70	---	MATCH EXIST.; FOW

2

2

NORTH BLAIR STREET

EAST WASHINGTON AVENUE

USH 151 (EAST WASHINGTON AVENUE)

USH 151 (SOUTH BLAIR STREET)

BEGIN CONSTRUCTION
STA 226+33.84

MATCHLINE 231+50

MATCHLINE 59+00

CONCRETE MEDIAN SLOPED NOSE (TYPE 2) REQ'D

CONCRETE MEDIAN SLOPED NOSE REQ'D (TYPE 1) (TYP.)

BS 20'

BLDG

226+00 227+00 228+00 229+00 230+00 231+00

60+00

14' 15' 12' 12' 12'

10' 10' 10' 11' 4'

11' 11' 11' 5'

LEGEND

CD-7	CONCRETE DRIVEWAY 7-INCH
CS-5	CONCRETE SIDEWALK 5-INCH
	CURB RAMP, TYPE X
	TRAFFIC FLOW
	PROPOSED INLET
	PROPOSED STORM SEWER MANHOLE
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	SAWING ASPHALT
	SAWING CONCRETE
	TREE REMOVAL (CLEARING AND GRUBBING)
CP	CONCRETE CURB PEDESTRIAN
CG-18I	CONCRETE CURB & GUTTER INTEGRAL 18-INCH SPECIAL
CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL
	REVERSE SLOPE GUTTER
BS	BUS BOARDING PAD (SEE DETAILS)
	SLOPE INTERCEPTS
	SURFACE WATER FLOW
HMA-2.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 2 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
HMA-3.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 3 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PLAN DETAILS	SHEET 29	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd

PLOT DATE : 7/27/2021 4:35 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

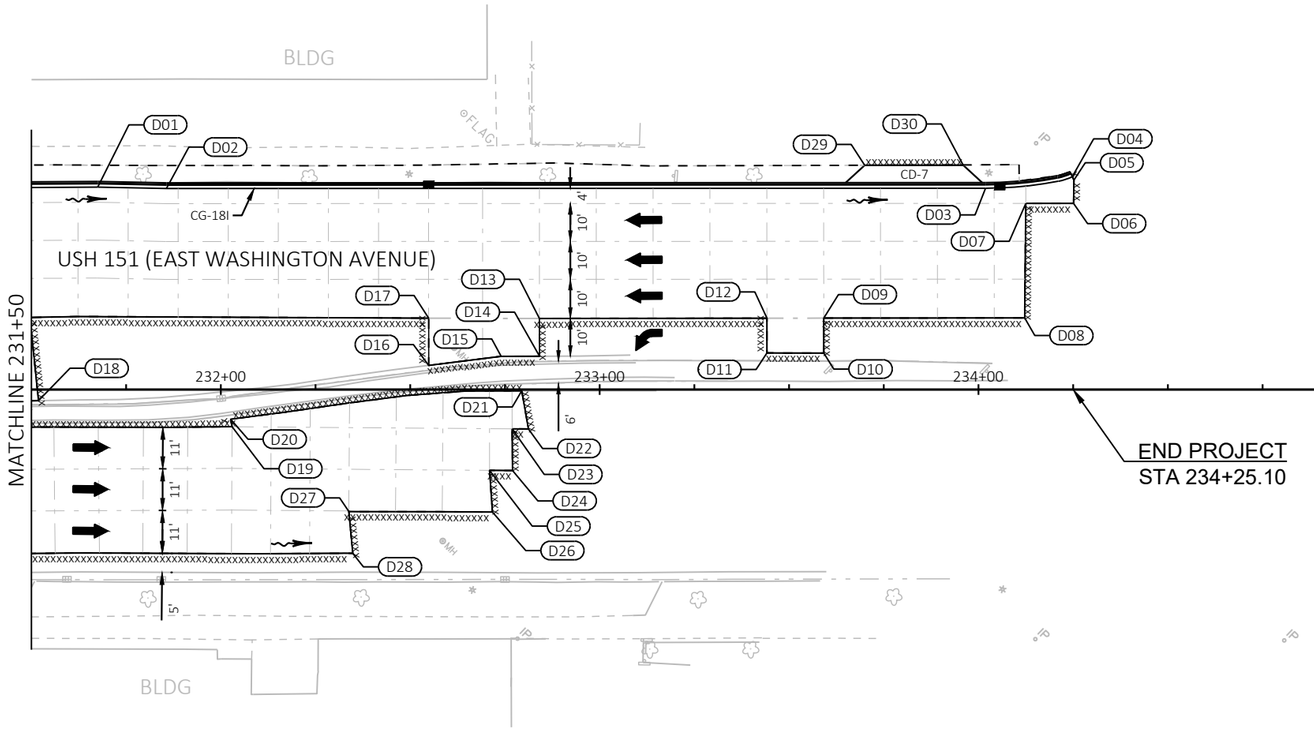
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
C01	59+75.17	31.16' LT	484,149.93	822,656.40	858.90	EOP; END RADIUS
C02	59+88.92	34.16' LT	484,157.77	822,644.71	---	EOP; KICKER
C03	60+06.14	52.77' LT	484,157.29	822,619.36	---	EOP; KICKER
C04	60+08.18	57.52' LT	484,155.47	822,614.52	859.87	EOP; MATCH EXIST.
C05	59+43.03	31.15' LT	484,126.76	822,678.67	859.10	EOP
C06	59+43.98	46.07' RT	484,180.95	822,733.70	855.89	EOP; BEGIN RADIUS
C07	60+03.06	92.02' RT	484,255.38	822,725.89	854.75	EOP; END RADIUS; MATCH EXIST.
C08	59+56.55	2.15' LT	484,156.60	822,690.22	858.07	EOP
C09	59+56.55	2.85' RT	484,160.07	822,693.82	857.88	EOP
C10	59+90.44	2.16' LT	484,181.03	822,666.73	858.21	EOP
C11	59+90.53	2.84' RT	484,184.56	822,670.27	858.17	EOP
C12	59+50.28	14.85' RT	484,163.86	822,706.82	857.27	EOP
C13	59+50.28	22.85' RT	484,169.41	822,712.58	856.93	EOP
C14	59+70.10	26.73' RT	484,186.38	822,701.65	856.87	EOP; BEGIN RADIUS
C15	60+06.10	42.90' RT	484,223.55	822,688.36	856.54	EOP; END RADIUS
C16	60+08.10	42.89' RT	484,224.99	822,686.97	856.62	EOP
C17	60+07.98	14.84' RT	484,205.46	822,666.84	858.00	EOP
C18	59+95.03	26.84' RT	484,204.44	822,684.46	---	BOC R=9.5'
C19	60+03.07	35.87' RT	484,216.49	822,685.40	---	BOC R=1.5'
C20	59+75.17	64.16' LT	484,127.07	822,632.61	---	R=33'
C21	59+28.03	127.52' RT	484,225.89	822,803.48	---	R=83'
C22	59+53.38	112.11' RT	484,233.49	822,774.79	---	R=87'
C23	60+07.51	57.60' LT	484,154.93	822,614.93	859.88	EOP; BEGIN RADIUS; MATCH EXIST.
C24	231+49.60	19.01' LT	484,496.29	822,871.53	851.26	LANE EDGE; MATCH EXIST.
C25	230+62.48	59.20' LT	484,464.76	822,780.91	---	MATCH EXIST.; FOW
C26	230+36.14	58.72' LT	484,446.13	822,762.29	---	MATCH EXIST.; FOW
C27	229+49.66	59.05' LT	484,386.34	822,699.80	---	MATCH EXIST.; FOW
C28	229+16.07	59.32' LT	484,363.22	822,675.43	---	MATCH EXIST.; FOW
C29	226+40.19	47.34' RT	484,095.14	822,550.51	863.96	EOP; MATCH EXIST.
C30	226+33.84	13.83' RT	484,114.94	822,522.73	864.97	EOP; MATCH EXIST.
C31	226+49.92	14.06' RT	484,125.90	822,534.49	864.22	EOP; MATCH EXIST.
C32	226+61.92	14.21' RT	484,134.10	822,543.25	863.68	EOP; MATCH EXIST.
C33	227+44.95	15.27' RT	484,190.81	822,603.90	860.09	EOP; MATCH EXIST.
C34	227+56.51	15.54' RT	484,198.62	822,612.43	859.59	EOP
C35	227+56.28	4.22' RT	484,206.63	822,604.43	859.80	EOP
C36	227+15.05	5.27' LT	484,184.94	822,568.11	861.48	EOP; MATCH EXIST.
C37	226+61.94	11.75' LT	484,152.85	822,525.30	863.52	EOP; MATCH EXIST.
C38	226+49.94	11.64' LT	484,144.46	822,516.71	864.03	EOP; MATCH EXIST.
C39	226+50.04	23.26' LT	484,152.92	822,508.74	863.67	LANE EDGE; MATCH EXIST.
C40	226+45.33	45.11' LT	484,165.42	822,490.21	863.22	LANE EDGE; MATCH EXIST.
C41	226+49.97	45.16' LT	484,168.67	822,493.53	863.03	LANE EDGE; MATCH EXIST.
C42	226+49.98	53.66' LT	484,174.81	822,487.65	862.67	EOP; MATCH EXIST.
C43	226+69.76	53.35' LT	484,188.28	822,502.14	861.90	EOP; BEGIN RADIUS
C44	226+81.35	49.42' LT	484,193.47	822,513.23	861.58	EOP; END RADIUS
C45	226+83.04	48.29' LT	484,193.82	822,515.22	---	EOP; KICKER

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
C46	226+93.61	46.49' LT	484,199.84	822,524.10	861.16	EOP; BEGIN RADIUS
C47	227+55.33	47.61' LT	484,243.38	822,567.86	858.75	EOP; END RADIUS
C48	227+59.59	49.69' LT	484,247.83	822,569.49	---	EOP; KICKER
C49	227+66.77	57.84' LT	484,258.68	822,569.04	---	EOP; KICKER
C50	227+68.74	66.56' LT	484,266.34	822,564.42	858.02	EOP; BEGIN RADIUS
C51	227+68.72	73.59' LT	484,271.39	822,559.54	857.93	EOP; MATCH EXIST.
C52	227+68.70	78.59' LT	484,274.99	822,556.07	857.84	EOP; MATCH EXIST.
C53	228+02.41	78.66' LT	484,298.26	822,580.18	856.80	EOP; MATCH EXIST.
C54	228+02.41	72.80' LT	484,294.03	822,584.25	856.86	EOP; MATCH EXIST.
C55	228+02.41	62.68' LT	484,286.75	822,591.28	856.95	EOP; END RADIUS
C56	228+03.41	57.30' LT	484,283.57	822,595.74	---	EOP; KICKER
C57	228+08.60	50.55' LT	484,282.32	822,604.16	---	EOP; KICKER
C58	228+12.25	48.60' LT	484,283.45	822,608.13	856.63	EOP; BEGIN RADIUS
C59	228+85.21	50.10' LT	484,335.17	822,659.62	854.48	EOP; GRADE BREAK
C60	230+64.96	52.83' LT	484,461.89	822,787.13	850.99	EOP; GRADE BREAK
C61	226+69.44	33.35' LT	484,173.63	822,515.75	---	R=20'
C62	226+93.26	65.48' LT	484,213.31	822,510.70	---	BOC R=17.5'
C63	227+48.74	66.50' LT	484,252.44	822,550.03	---	R=20'
C64	228+17.41	62.69' LT	484,297.17	822,602.07	---	R=15'
C65	228+46.44	6.60' RT	484,267.44	822,671.06	856.90	EOP; MATCH EXIST.
C66	228+46.73	15.15' RT	484,261.49	822,677.21	856.77	EOP; MATCH EXIST.
C67	228+75.79	48.33' RT	484,257.77	822,721.16	855.07	LANE EDGE; MATCH EXIST.
C68	229+04.71	48.29' RT	484,277.87	822,741.95	854.17	LANE EDGE; MATCH EXIST.
C69	229+04.87	53.34' RT	484,274.34	822,745.56	854.03	EOP; MATCH EXIST.
C70	229+54.58	52.21' RT	484,309.66	822,780.56	852.86	EOP; MATCH EXIST.
C71	229+54.47	47.26' RT	484,313.15	822,777.05	852.98	LANE EDGE; MATCH EXIST.

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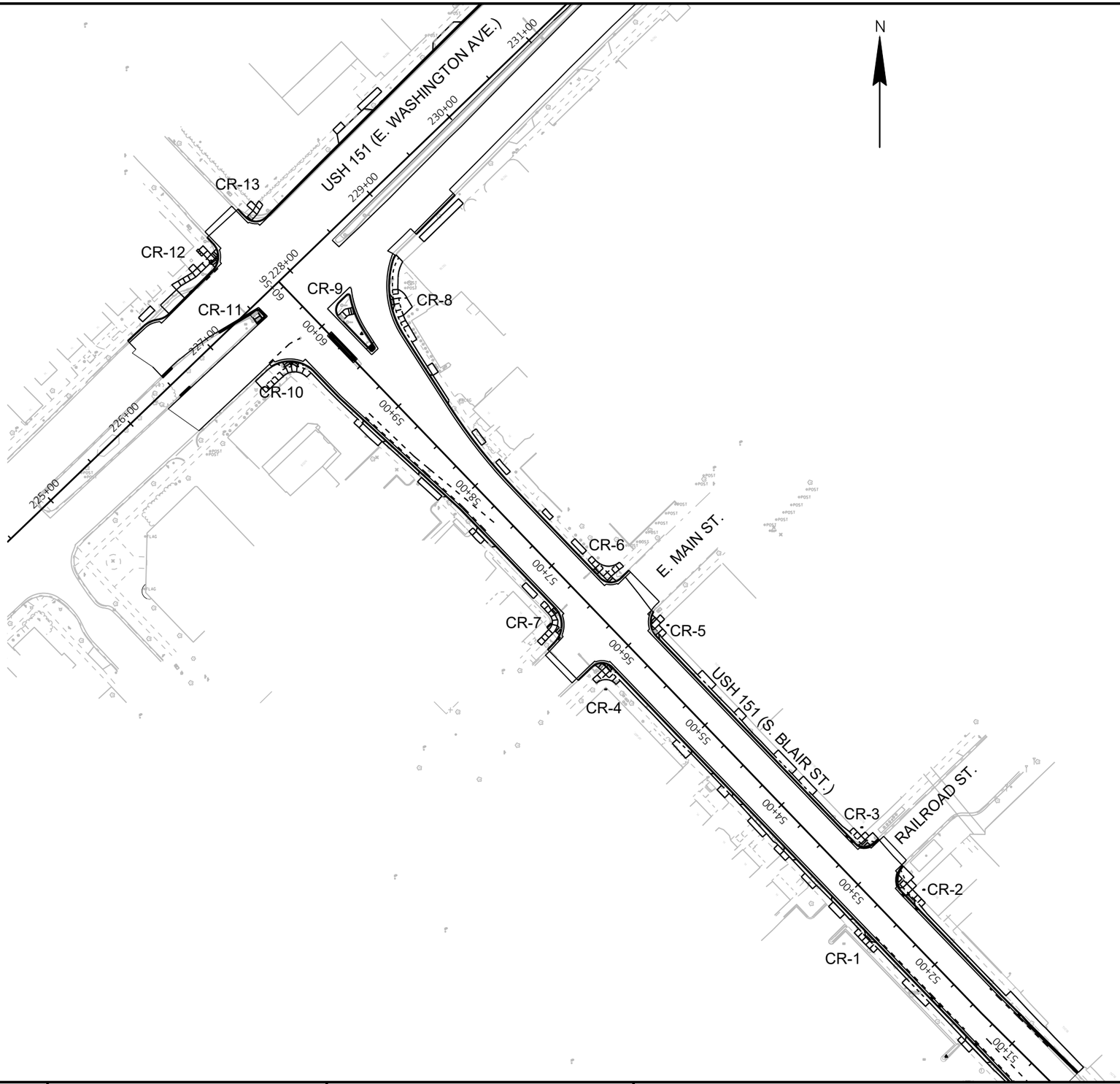


LEGEND

CD-7	CONCRETE DRIVEWAY 7-INCH	CG-18I	CONCRETE CURB & GUTTER INTEGRAL 18-INCH SPECIAL
CS-5	CONCRETE SIDEWALK 5-INCH	CG-24A	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL
	CURB RAMP, TYPE X	CG-24AR	CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL (REVERSE SLOPE GUTTER)
	TRAFFIC FLOW	CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL
	PROPOSED INLET		CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL
	PROPOSED STORM SEWER MANHOLE		REVERSE SLOPE GUTTER
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA	BS	BUS BOARDING PAD (SEE DETAILS)
	SAWING ASPHALT		SLOPE INTERCEPTS
	SAWING CONCRETE		SURFACE WATER FLOW
	TREE REMOVAL (CLEARING AND GRUBBING)	HMA-2.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 2 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH
CP	CONCRETE CURB PEDESTRIAN	HMA-3.5	2-INCHES HMA PAVEMENT 4 MT 58-28 S OVER 3 1/2-INCHES HMA PAVEMENT 3 MT 58-28 S OVER 12-INCHES BASE AGGREGATE DENSE 1 1/4-INCH

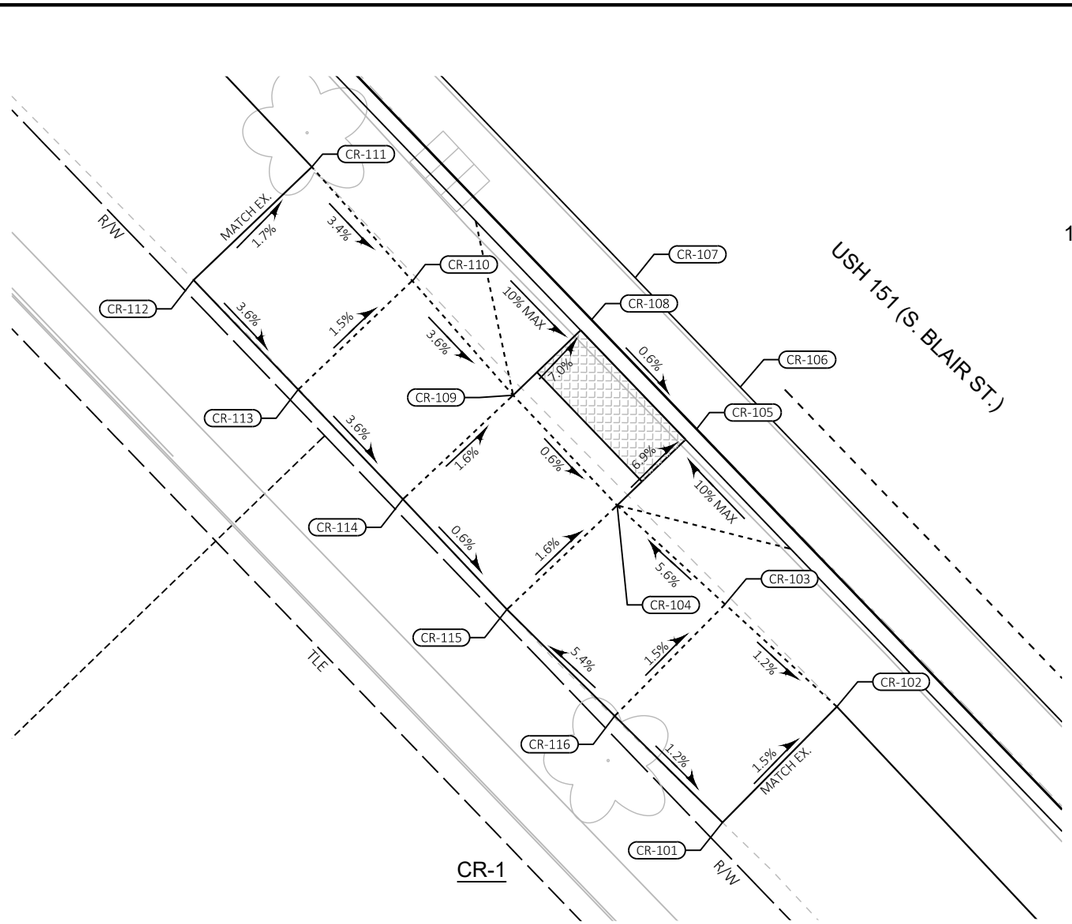
STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y	X	ELEVATION	REMARKS
D01	231+67.51	53.42' LT	484,533.50	822,860.54	850.09	EOP; GRADE BREAK
D02	231+85.63	53.05' LT	484,545.80	822,873.84	849.96	EOP; GRADE BREAK
D03	234+01.87	53.12' LT	484,695.94	823,029.46	849.04	EOP; END RADIUS
D04	234+24.77	56.17' LT	484,714.03	823,043.83	848.84	EOP; BEGIN RADIUS
D05	234+25.20	55.27' LT	484,713.68	823,044.77	848.87	EOP; MATCH EXIST.
D06	234+25.10	49.13' LT	484,709.19	823,048.96	848.99	LANE EDGE; MATCH EXIST.
D07	234+12.49	49.13' LT	484,700.43	823,039.88	849.09	LANE EDGE; MATCH EXIST.
D08	234+12.18	18.89' LT	484,678.45	823,060.64	850.00	LANE EDGE; MATCH EXIST.
D09	233+59.16	18.84' LT	484,641.61	823,022.51	850.19	LANE EDGE; MATCH EXIST.
D10	233+59.17	9.60' LT	484,634.97	823,028.93	850.44	EOP; MATCH EXIST.
D11	233+44.17	9.64' LT	484,624.59	823,018.10	850.50	EOP; MATCH EXIST.
D12	233+44.16	18.82' LT	484,631.19	823,011.73	850.20	LANE EDGE; MATCH EXIST.
D13	232+84.12	18.76' LT	484,589.47	822,968.54	850.55	LANE EDGE; MATCH EXIST.
D14	232+84.12	8.77' LT	484,582.28	822,975.48	850.65	EOP; MATCH EXIST.
D15	232+74.01	8.75' LT	484,575.26	822,968.22	850.70	EOP; MATCH EXIST.
D16	232+54.86	6.37' LT	484,560.25	822,956.08	850.72	EOP; MATCH EXIST.
D17	232+54.85	18.83' LT	484,569.22	822,947.42	850.67	LANE EDGE; MATCH EXIST.
D18	231+51.87	2.95' RT	484,482.06	822,888.41	851.28	EOP; MATCH EXIST.
D19	232+02.97	9.82' RT	484,512.57	822,929.96	851.40	EOP; MATCH EXIST.
D20	232+02.60	7.84' RT	484,513.75	822,928.32	851.40	EOP; MATCH EXIST.
D21	232+79.44	0.35' RT	484,572.47	822,978.44	851.00	EOP; MATCH EXIST.
D22	232+81.20	10.41' RT	484,566.45	822,986.69	850.93	LANE EDGE; MATCH EXIST.
D23	232+76.90	10.38' RT	484,563.48	822,983.57	850.96	LANE EDGE; MATCH EXIST.
D24	232+77.01	21.38' RT	484,555.64	822,991.28	850.72	LANE EDGE; MATCH EXIST.
D25	232+70.93	21.34' RT	484,551.46	822,986.88	850.75	LANE EDGE; MATCH EXIST.
D26	232+71.70	32.35' RT	484,544.06	822,995.08	850.40	LANE EDGE; MATCH EXIST.
D27	232+33.79	32.23' RT	484,517.84	822,967.70	850.56	LANE EDGE; MATCH EXIST.
D28	232+34.83	43.23' RT	484,510.64	822,976.08	850.25	LANE EDGE; MATCH EXIST.
D29	233+69.96	59.18' LT	484,678.15	823,002.29	---	MATCH EXIST.; FOS
D30	233+95.96	59.20' LT	484,696.21	823,020.99	---	MATCH EXIST.; FOS

2

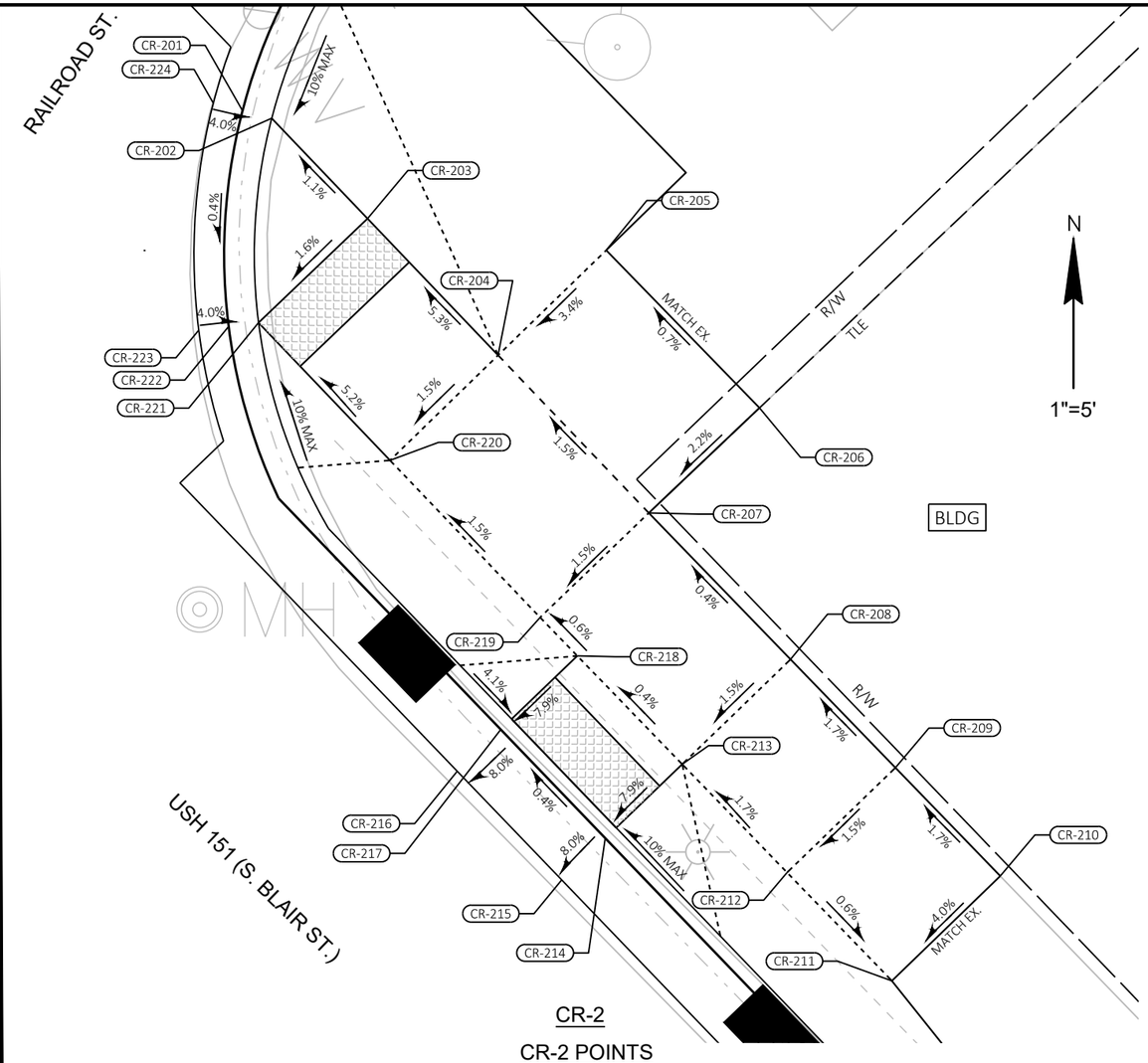


PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CURB RAMP DETAILS	SHEET 33	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021301-CR.DWG PLOT DATE : 7/29/2021 9:39 AM PLOT BY : NOTSON, ERIC PLOT NAME :



CR-1



CR-2

CR-1 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-101	52+46.12	32.4' LT	**	823160.68	483623.42
CR-102	52+46.26	27.0' LT	**	823164.45	483627.24
CR-103	52+51.25	27.3' LT	853.71	823160.76	483630.62
CR-104	52+56.07	27.6' LT	853.44	823157.20	483633.88
CR-105	52+56.07	24.0' LT	853.19	823159.82	483636.40
CR-106	52+56.07	22.0' LT	853.27	823161.27	483637.78
CR-107	52+61.07	22.0' LT	853.30	823157.80	483641.39
CR-108	52+61.07	24.0' LT	853.22	823156.36	483640.00

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-109	52+61.07	27.6' LT	853.47	823153.77	483637.52
CR-110	52+66.09	27.4' LT	853.65	823150.45	483641.28
CR-111	52+71.10	27.2' LT	**	823147.13	483645.04
CR-112	52+71.12	32.6' LT	**	823143.23	483641.32
CR-113	52+66.12	32.6' LT	853.73	823146.68	483637.70
CR-114	52+61.12	32.6' LT	853.55	823150.13	483634.08
CR-115	52+56.12	32.6' LT	853.52	823153.57	483630.45
CR-116	52+51.12	32.5' LT	853.79	823157.12	483626.93

**MATCH EXISTING

CR-2 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-201	52+81.81	32.0' RT	853.17	823182.40	483693.79
CR-202	52+80.96	32.6' RT	853.18	823183.37	483693.54
CR-203	52+76.36	32.6' RT	853.23	823186.55	483690.21
CR-204	52+70.09	32.5' RT	853.56	823190.88	483685.68
CR-205	52+70.12	37.5' RT	**	823194.47	483689.16
CR-206	52+62.82	37.6' RT	**	823199.55	483683.94
CR-207	52+62.85	32.5' RT	853.67	823195.88	483680.45
CR-208	52+56.09	32.5' RT	853.70	823200.58	483675.59
CR-209	52+51.09	32.6' RT	853.78	823204.06	483672.00
CR-210	52+46.09	32.6' RT	**	823207.53	483668.40
CR-211	52+46.07	27.6' RT	**	823203.94	483664.93
CR-212	52+51.07	27.6' RT	853.70	823200.46	483668.52

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-213	52+56.07	27.5' RT	853.62	823196.99	483672.11
CR-214	52+56.07	24.0' RT	853.34	823194.43	483669.66
CR-215	52+56.07	22.0' RT	853.18	823192.99	483668.27
CR-216	52+61.07	22.0' RT	853.16	823189.53	483671.88
CR-217	52+61.07	24.0' RT	853.32	823190.97	483673.26
CR-218	52+61.07	27.5' RT	853.60	823193.51	483675.70
CR-219	52+62.85	27.5' RT	853.59	823192.28	483676.99
CR-220	52+70.06	27.5' RT	853.48	823187.30	483682.19
CR-221	52+76.37	27.6' RT	853.15	823182.94	483686.76
CR-222	52+76.97	26.8' RT	853.14	823181.94	483686.63
CR-223	52+77.56	26.0' RT	853.18	823180.95	483686.51
CR-224	52+82.66	31.5' RT	853.21	823181.44	483694.04

**MATCH EXISTING

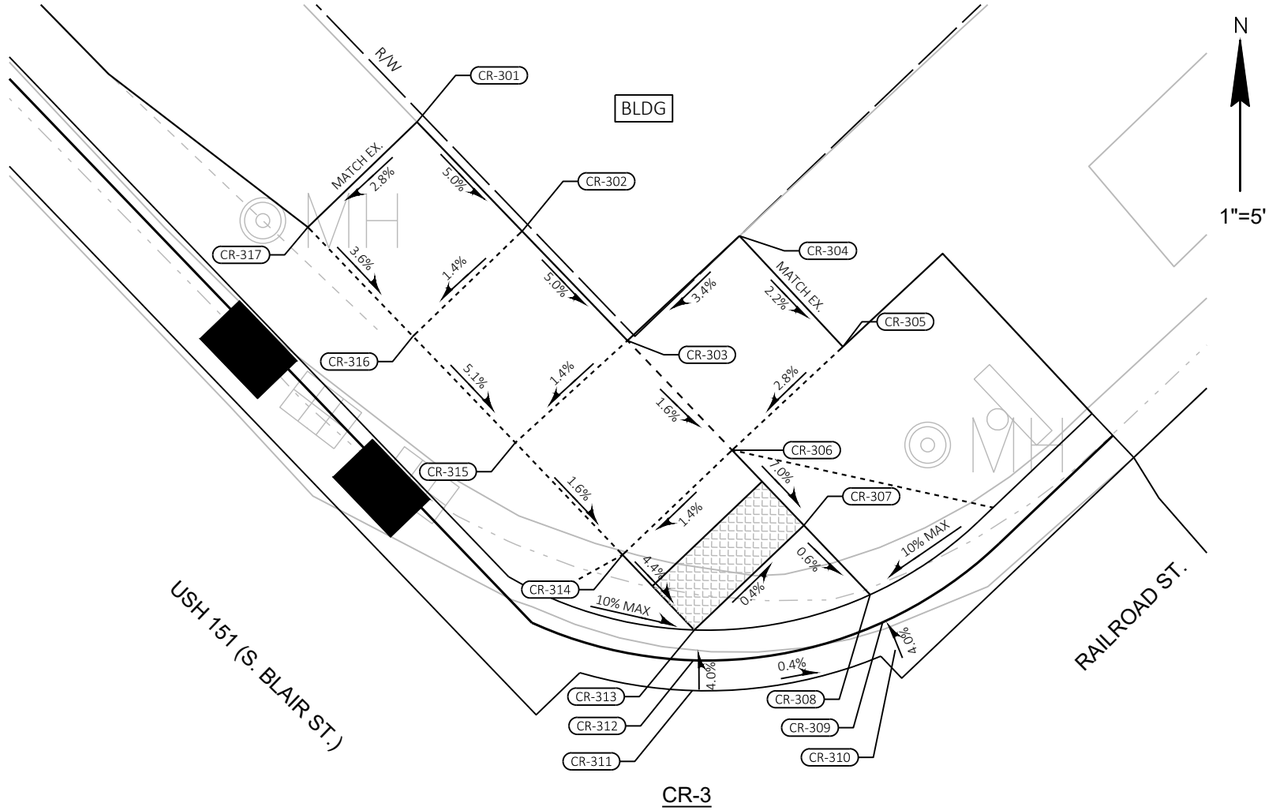
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CURB RAMP DETAILS	SHEET 34	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021301-CR.DWG PLOT DATE : 7/29/2021 9:39 AM PLOT BY : NOTSON, ERIC PLOT NAME :
WISDOT/CADDS SHEET 42

2

N

1"=5'



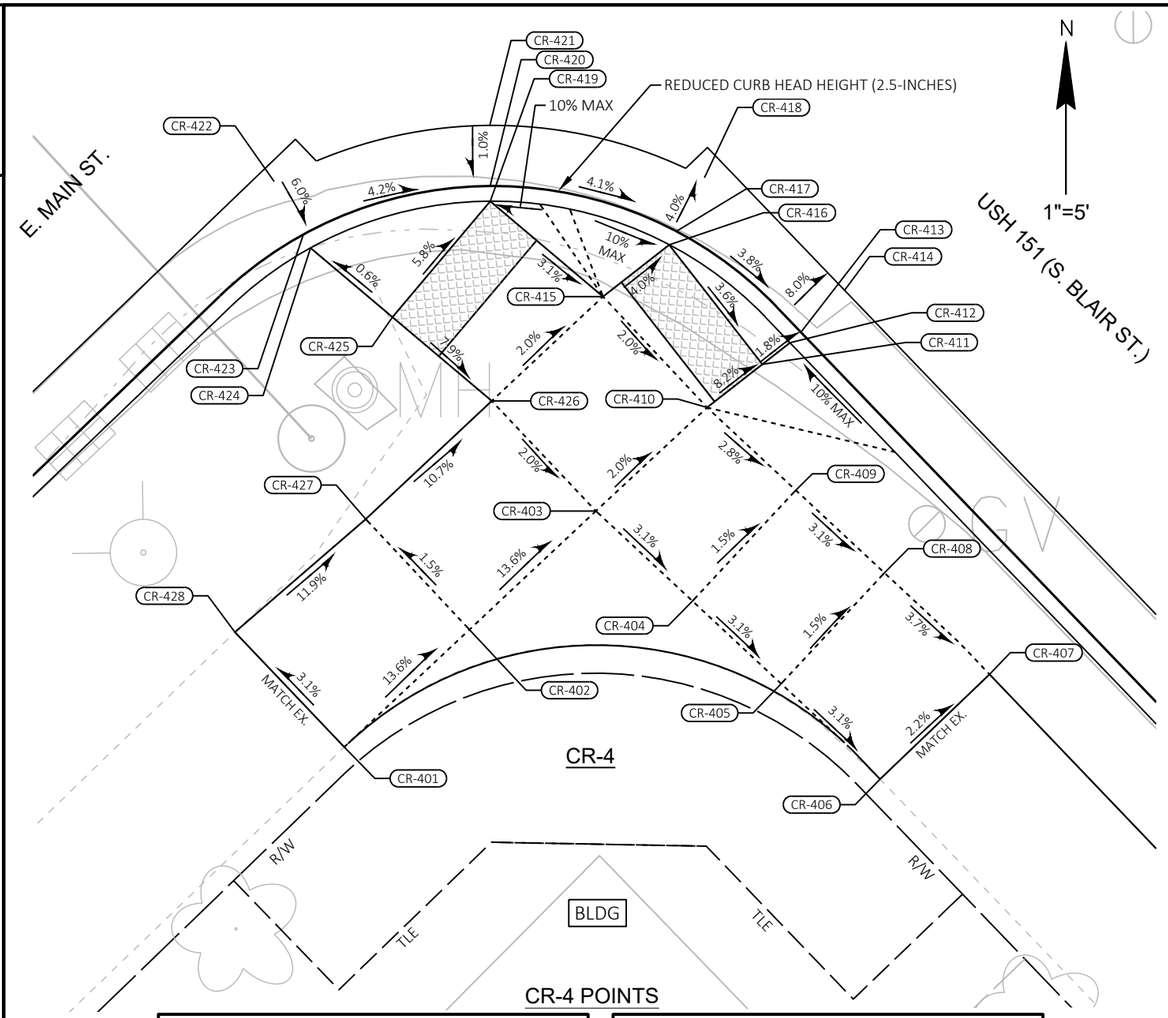
CR-3

CR-3 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-301	53+40.02	32.7' RT	**	823142.55	483736.22
CR-302	53+35.01	32.7' RT	853.34	823146.02	483732.62
CR-303	53+30.01	32.7' RT	853.09	823149.50	483729.01
CR-304	53+29.93	37.8' RT	**	823153.19	483732.46
CR-305	53+24.93	37.7' RT	**	823156.61	483728.81
CR-306	53+25.01	32.7' RT	853.01	823152.95	483725.40
CR-307	53+21.58	32.7' RT	852.77	823155.32	483722.92
CR-308	53+18.41	32.7' RT	852.75	823157.51	483720.63
CR-309	53+17.47	32.4' RT	852.74	823157.92	483719.72

**MATCH EXISTING

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-310	53+16.53	32.0' RT	852.78	823158.33	483718.81
CR-311	53+20.20	26.3' RT	852.81	823151.64	483717.46
CR-312	53+20.90	27.0' RT	852.77	823151.67	483718.46
CR-313	53+21.59	27.7' RT	852.79	823151.70	483719.46
CR-314	53+25.02	27.7' RT	852.94	823149.33	483721.94
CR-315	53+30.14	27.7' RT	853.02	823145.80	483725.64
CR-316	53+35.01	27.7' RT	853.27	823142.42	483729.15
CR-317	53+40.01	27.7' RT	**	823138.95	483732.75

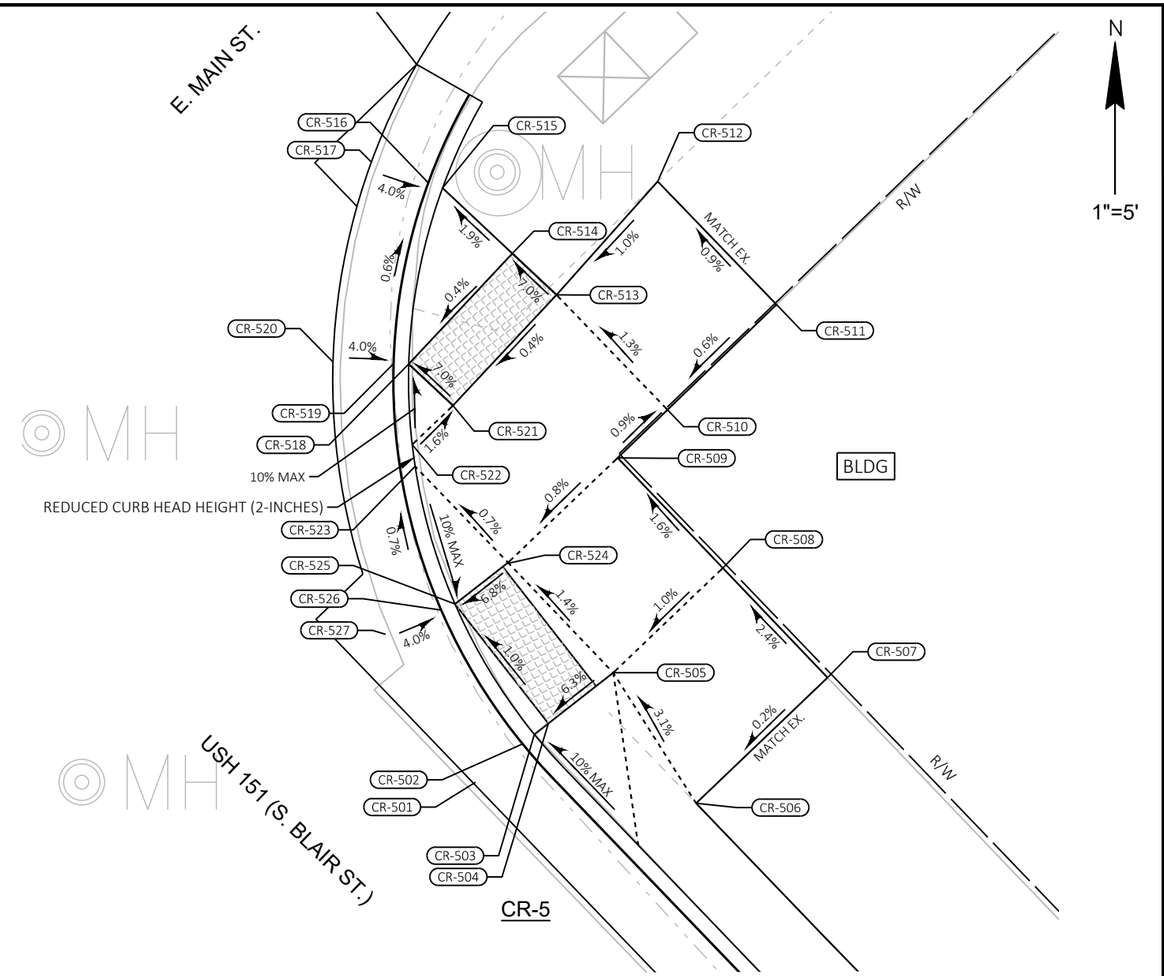


CR-4 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-401	55+95.29	44.3' LT	**	822910.11	483866.88
CR-402	55+95.22	38.7' LT	861.40	822914.24	483870.76
CR-403	55+95.15	33.0' LT	860.62	822918.42	483874.67
CR-404	55+90.80	32.7' LT	860.48	822921.60	483871.70
CR-405	55+86.80	32.5' LT	860.36	822924.53	483868.97
CR-406	55+82.27	32.3' LT	**	822927.79	483865.82
CR-407	55+82.26	27.3' LT	**	822931.41	483869.28
CR-408	55+87.08	27.5' LT	860.29	822927.94	483872.63
CR-409	55+91.07	27.7' LT	860.41	822925.01	483875.36
CR-410	55+95.07	28.0' LT	860.52	822922.09	483878.08
CR-411	55+94.83	25.6' LT	860.33	822923.91	483879.51
CR-412	55+94.71	24.5' LT	860.31	822924.82	483880.22
CR-413	55+94.71	24.0' LT	860.30	822925.18	483880.57
CR-414	55+94.71	22.0' LT	860.14	822926.62	483881.95

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-415	56+00.09	27.9' LT	860.62	822918.65	483881.75
CR-416	55+99.80	25.1' LT	860.51	822920.83	483883.45
CR-417	55+99.96	24.7' LT	860.50	822921.07	483883.89
CR-418	56+00.59	22.8' LT	860.42	822922.00	483885.66
CR-419	56+04.93	28.4' LT	860.77	822914.93	483884.89
CR-420	56+05.29	28.1' LT	860.76	822914.93	483885.39
CR-421	56+06.74	26.7' LT	860.78	822914.91	483887.39
CR-422	56+10.34	33.1' LT	861.15	822907.80	483885.54
CR-423	56+08.41	33.6' LT	861.03	822908.76	483883.79
CR-424	56+07.93	33.7' LT	861.04	822909.00	483883.35
CR-425	56+04.41	33.4' LT	861.06	822911.70	483881.07
CR-426	56+00.15	32.9' LT	860.72	822914.98	483878.30
CR-427	56+00.22	38.6' LT	861.33	822910.82	483874.40
CR-428	56+00.52	44.3' LT	**	822906.51	483870.67

**MATCH EXISTING



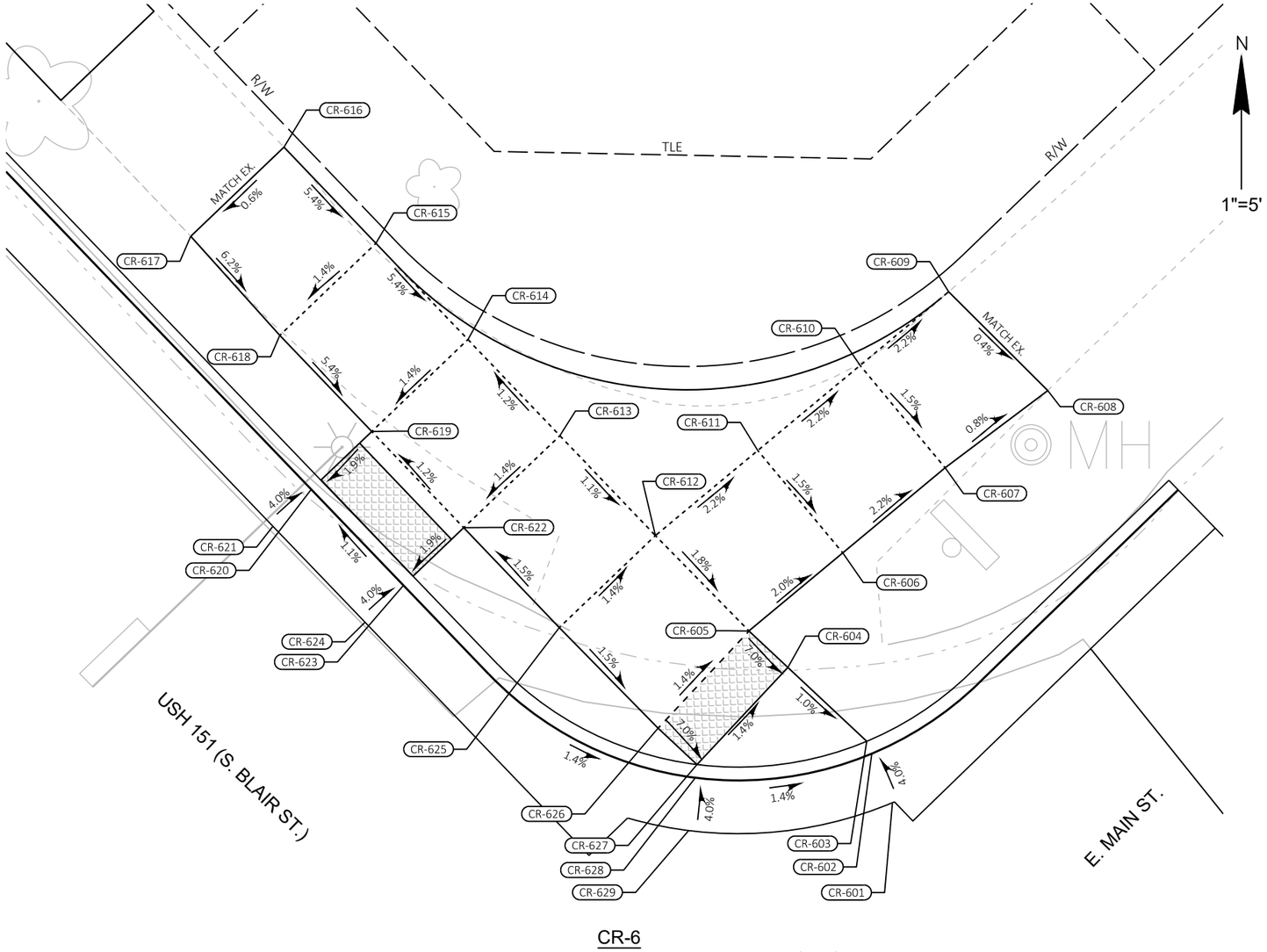
CR-5 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-501	55+89.88	22.1' RT	858.06	822961.75	483909.01
CR-502	55+89.72	24.1' RT	857.98	822963.30	483910.27
CR-503	55+89.68	24.6' RT	857.99	822963.69	483910.59
CR-504	55+89.62	25.1' RT	858.00	822964.15	483910.95
CR-505	55+89.34	27.9' RT	858.17	822966.29	483912.62
CR-506	55+84.34	26.8' RT	**	822969.02	483908.32
CR-507	55+84.33	32.8' RT	**	822973.36	483912.46
CR-508	55+89.33	32.9' RT	858.22	822969.90	483916.08
CR-509	55+94.35	32.9' RT	858.14	822966.43	483919.71
CR-510	55+94.36	35.1' RT	858.12	822968.08	483921.30
CR-511	55+94.37	40.1' RT	**	822971.68	483924.77
CR-512	56+00.01	40.1' RT	**	822967.75	483928.83
CR-513	55+99.62	35.1' RT	858.05	822964.42	483925.09
CR-514	56+01.62	35.0' RT	857.91	822962.96	483926.45

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-515	56+04.77	34.9' RT	857.85	822960.66	483928.61
CR-516	56+05.22	34.6' RT	857.84	822960.19	483928.78
CR-517	56+07.02	33.8' RT	857.92	822958.31	483929.47
CR-518	56+01.36	30.0' RT	857.89	822959.54	483922.80
CR-519	56+01.72	29.7' RT	857.88	822959.04	483922.82
CR-520	56+03.14	28.3' RT	857.96	822957.04	483922.88
CR-521	55+99.36	30.1' RT	858.03	822961.00	483921.44
CR-522	55+99.36	28.3' RT	858.06	822959.65	483920.15
CR-523	55+98.78	27.9' RT	858.07	822959.75	483919.43
CR-524	55+94.34	27.9' RT	858.10	822962.84	483916.24
CR-525	55+94.59	25.7' RT	857.95	822961.07	483914.89
CR-526	55+94.77	25.2' RT	857.94	822960.61	483914.69
CR-527	55+95.46	23.3' RT	858.02	822958.78	483913.89

**MATCH EXISTING

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CURB RAMP DETAILS	SHEET 36	E

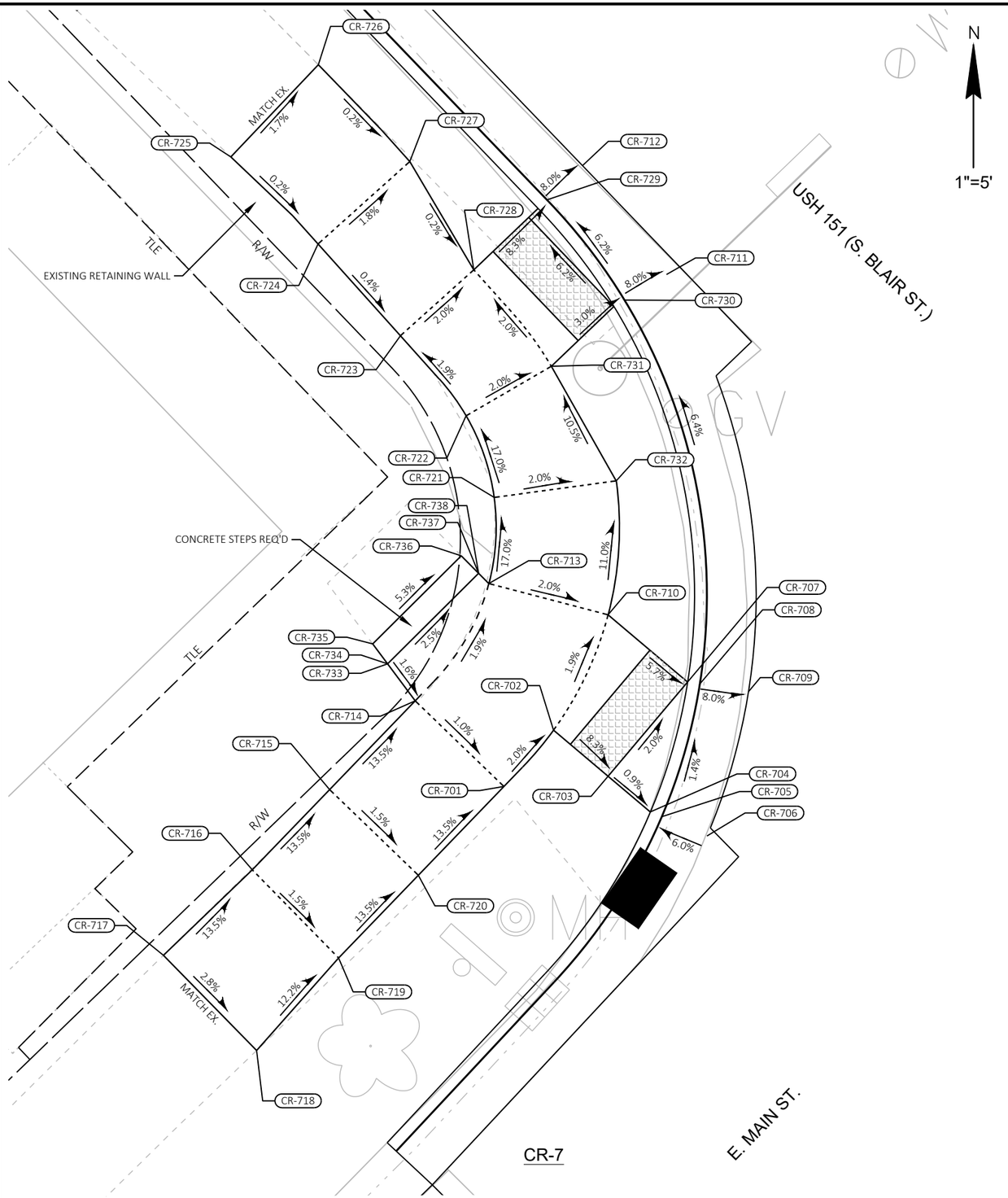


CR-6

CR-6 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-601	56+47.44	31.6' RT	857.91	822928.73	483957.11
CR-602	56+49.30	32.3' RT	857.83	822927.96	483958.95
CR-603	56+49.77	32.5' RT	857.84	822927.77	483959.41
CR-604	56+53.82	32.3' RT	857.88	822924.81	483962.19
CR-605	56+55.82	32.2' RT	858.02	822923.35	483963.55
CR-606	56+55.49	36.8' RT	857.93	822926.87	483966.48
CR-607	56+55.13	41.7' RT	857.82	822930.72	483969.68
CR-608	56+54.55	46.5' RT	**	822934.57	483972.59
CR-609	56+59.81	46.4' RT	**	822930.85	483976.30
CR-610	56+60.12	42.1' RT	857.89	822927.52	483973.53
CR-611	56+60.48	37.1' RT	858.00	822923.67	483970.33
CR-612	56+60.84	32.1' RT	858.11	822919.83	483967.14
CR-613	56+66.04	32.1' RT	858.17	822916.24	483970.89
CR-614	56+71.04	32.1' RT	858.11	822912.78	483974.50
CR-615	56+76.04	32.2' RT	858.38	822909.32	483978.12
CR-616	56+81.04	32.2' RT	**	822905.87	483981.73
CR-617	56+81.05	27.3' RT	**	822902.36	483978.38
CR-618	56+76.05	27.2' RT	858.31	822905.71	483974.66
CR-619	56+71.05	27.1' RT	858.04	822909.17	483971.05
CR-620	56+71.05	24.0' RT	857.98	822906.89	483968.87
CR-621	56+71.05	22.0' RT	858.06	822905.45	483967.49
CR-622	56+66.05	27.1' RT	858.10	822912.62	483967.43
CR-623	56+66.05	24.0' RT	858.04	822910.36	483965.27
CR-624	56+66.05	22.0' RT	858.12	822908.92	483963.88
CR-625	56+60.85	27.1' RT	858.18	822916.21	483963.68
CR-626	56+55.56	27.2' RT	858.09	822919.93	483959.90
CR-627	56+53.56	27.3' RT	857.95	822921.39	483958.54
CR-628	56+53.24	26.9' RT	857.94	822921.33	483958.04
CR-629	56+51.98	25.3' RT	858.02	822921.08	483956.06

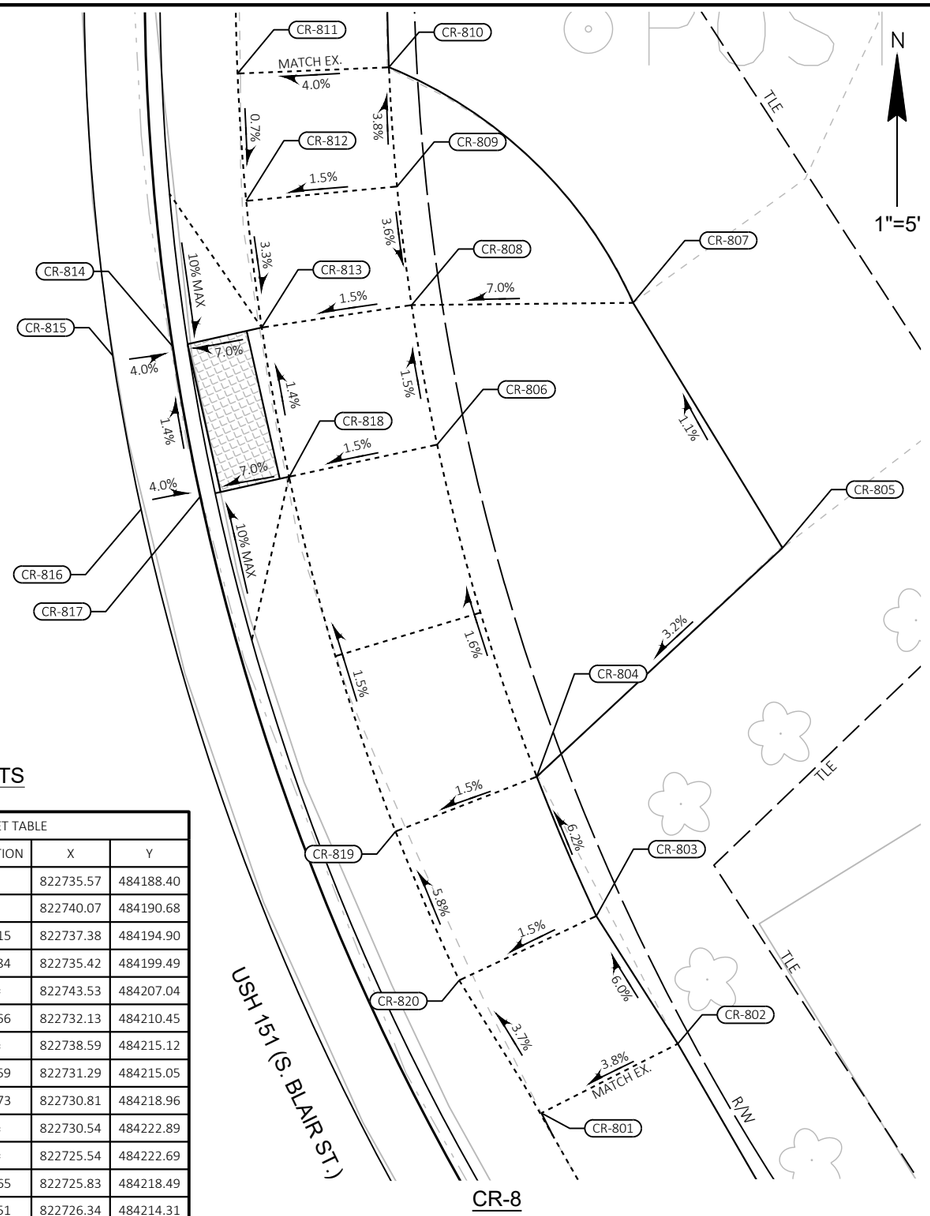
**MATCH EXISTING



CR-7 POINTS

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	ELEVATION	X	Y	REMARKS
CR-701	56+55.26	41.7' LT	861.84	822870.44	483911.93	---
CR-702	56+55.51	38.7' LT	861.78	822872.45	483914.22	---
CR-703	56+52.63	38.4' LT	861.54	822874.67	483912.35	---
CR-704	56+50.40	38.2' LT	861.52	822876.38	483910.90	---
CR-705	56+49.94	38.0' LT	861.51	822876.84	483910.71	---
CR-706	56+48.10	37.2' LT	861.63	822878.68	483909.92	---
CR-707	56+53.15	33.4' LT	861.44	822877.89	483916.17	---
CR-708	56+52.75	33.1' LT	861.43	822878.39	483916.09	---
CR-709	56+51.15	31.9' LT	861.27	822880.36	483915.78	---
CR-710	56+57.35	33.9' LT	861.68	822874.67	483918.89	---
CR-711	56+65.65	22.6' LT	860.24	822877.04	483932.69	---
CR-712	56+71.20	22.0' LT	859.92	822873.63	483937.10	---
CR-713	56+61.61	36.5' LT	861.78	822869.83	483920.16	---
CR-714	56+60.25	41.9' LT	861.89	822866.84	483915.40	---
CR-715	56+60.06	46.9' LT	862.57	822863.37	483911.81	---
CR-716	56+59.89	51.4' LT	863.17	822860.24	483908.56	---
CR-717	56+59.89	56.4' LT	**	822856.63	483905.09	---
CR-718	56+54.49	56.4' LT	**	822860.41	483901.23	---
CR-719	56+54.89	51.4' LT	863.09	822863.74	483904.98	---
CR-720	56+55.07	46.7' LT	862.49	822866.97	483908.33	---
CR-721	56+63.98	33.9' LT	861.18	822870.05	483923.65	---
CR-722	56+67.16	32.4' LT	860.58	822868.90	483926.96	---
CR-723	56+71.34	32.1' LT	860.50	822866.24	483930.21	---
CR-724	56+76.34	31.9' LT	860.52	822862.90	483933.93	---
CR-725	56+81.33	32.0' LT	**	822859.37	483937.46	---
CR-726	56+81.57	26.9' LT	**	822862.92	483941.19	---
CR-727	56+76.17	26.9' LT	860.43	822866.62	483937.27	---
CR-728	56+71.21	28.1' LT	860.42	822869.22	483932.88	---
CR-729	56+71.20	24.0' LT	860.08	822872.19	483935.71	---
CR-730	56+66.09	24.6' LT	860.40	822875.33	483931.65	---
CR-731	56+66.21	28.5' LT	860.52	822872.36	483928.97	---
CR-732	56+61.04	29.9' LT	861.08	822874.99	483924.32	---
CR-733	56+62.11	41.7' LT	861.92	822865.72	483916.90	FRONT BOTTOM OF CONCRETE STEPS
CR-734	56+62.11	41.7' LT	862.52	822865.72	483916.90	FRONT TOP OF CONCRETE STEPS
CR-735	56+63.11	41.6' LT	**	822865.12	483917.71	BACK OF CONCRETE STEPS
CR-736	56+63.20	36.5' LT	**	822868.71	483921.29	BACK OF CONCRETE STEPS
CR-737	56+62.20	36.5' LT	862.25	822869.42	483920.58	FRONT TOP OF CONCRETE STEPS
CR-738	56+62.20	36.5' LT	861.79	822869.42	483920.58	FRONT BOTTOM OF CONCRETE STEPS

**MATCH EXISTING

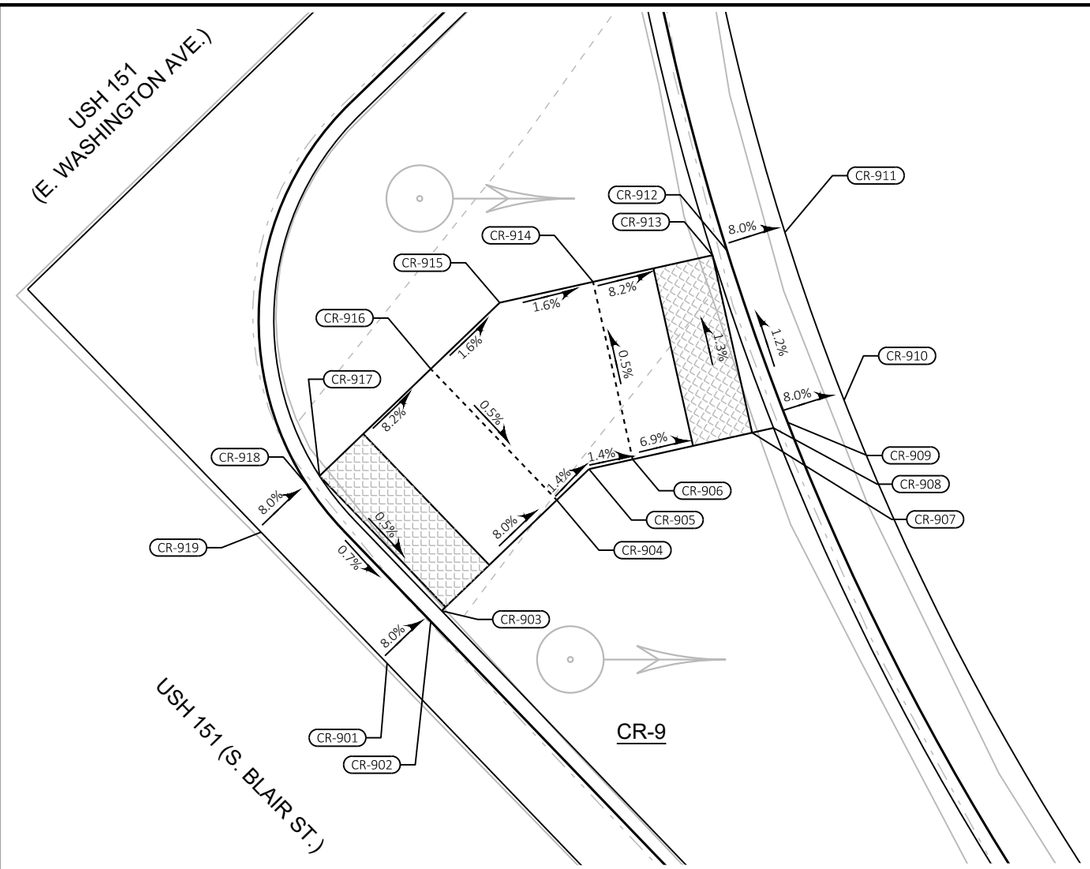


CR-8 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-801	59+48.05	52.6' RT	**	822735.57	484188.40
CR-802	59+46.58	57.4' RT	**	822740.07	484190.68
CR-803	59+51.48	58.4' RT	856.15	822737.38	484194.90
CR-804	59+56.16	60.2' RT	855.84	822735.42	484199.49
CR-805	59+55.98	71.2' RT	**	822743.53	484207.04
CR-806	59+66.33	65.4' RT	855.66	822732.13	484210.45
CR-807	59+65.23	73.3' RT	**	822738.59	484215.12
CR-808	59+70.24	68.0' RT	855.59	822731.29	484215.05
CR-809	59+73.39	70.3' RT	855.73	822730.81	484218.96
CR-810	59+76.41	72.9' RT	**	822730.54	484222.89
CR-811	59+79.72	69.1' RT	**	822725.54	484222.69
CR-812	59+76.50	66.4' RT	855.65	822725.83	484218.49
CR-813	59+73.13	63.9' RT	855.51	822726.34	484214.31
CR-814	59+74.72	61.3' RT	855.30	822723.40	484213.69
CR-815	59+75.87	59.7' RT	855.38	822721.42	484213.39
CR-816	59+71.56	56.9' RT	855.45	822722.36	484208.31
CR-817	59+70.51	58.6' RT	855.37	822724.31	484208.74
CR-818	59+68.94	61.1' RT	855.58	822727.25	484209.37
CR-819	59+58.08	55.5' RT	855.76	822730.76	484197.68
CR-820	59+53.08	53.7' RT	856.07	822732.86	484192.77

**MATCH EXISTING

CR-8



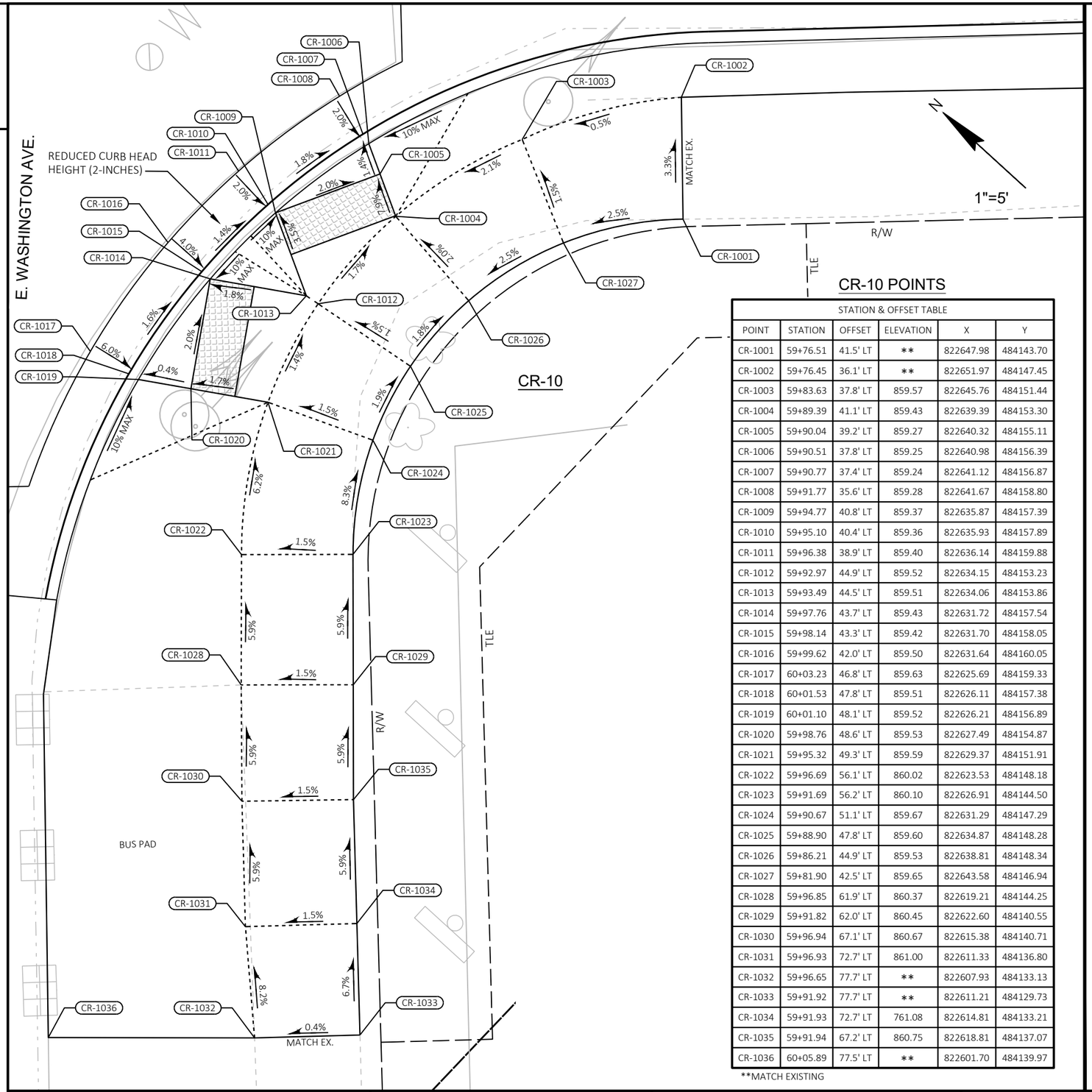
CR-9 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-901	59+90.86	14.8' RT	857.88	822678.70	484193.12
CR-902	59+90.86	16.8' RT	857.72	822680.14	484194.50
CR-903	59+90.86	17.3' RT	857.73	822680.50	484194.85
CR-904	59+90.86	22.6' RT	857.31	822684.30	484198.50
CR-905	59+90.86	24.1' RT	857.29	822685.36	484199.52
CR-906	59+90.10	25.3' RT	857.27	822686.80	484199.85
CR-907	59+88.00	28.8' RT	856.99	822690.74	484200.73
CR-908	59+87.63	29.4' RT	856.98	822691.45	484200.88
CR-909	59+87.43	29.9' RT	856.97	822691.91	484201.07
CR-910	59+86.67	31.7' RT	856.81	822693.77	484201.79

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-911	59+92.02	34.2' RT	856.74	822691.82	484207.33
CR-912	59+92.91	32.4' RT	856.90	822689.91	484206.73
CR-913	59+93.13	31.9' RT	856.91	822689.44	484206.58
CR-914	59+95.23	28.5' RT	857.24	822685.49	484205.70
CR-915	59+96.86	25.8' RT	857.29	822682.41	484205.01
CR-916	59+96.86	22.6' RT	857.34	822680.14	484202.83
CR-917	59+96.86	17.5' RT	857.76	822676.47	484199.30
CR-918	59+96.86	17.0' RT	857.75	822676.10	484198.95
CR-919	59+96.86	14.8' RT	857.92	822674.54	484197.44

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CURB RAMP DETAILS	SHEET 39	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021301-CR.DWG PLOT DATE : 7/29/2021 9:39 AM PLOT BY : NOTSON, ERIC PLOT NAME :

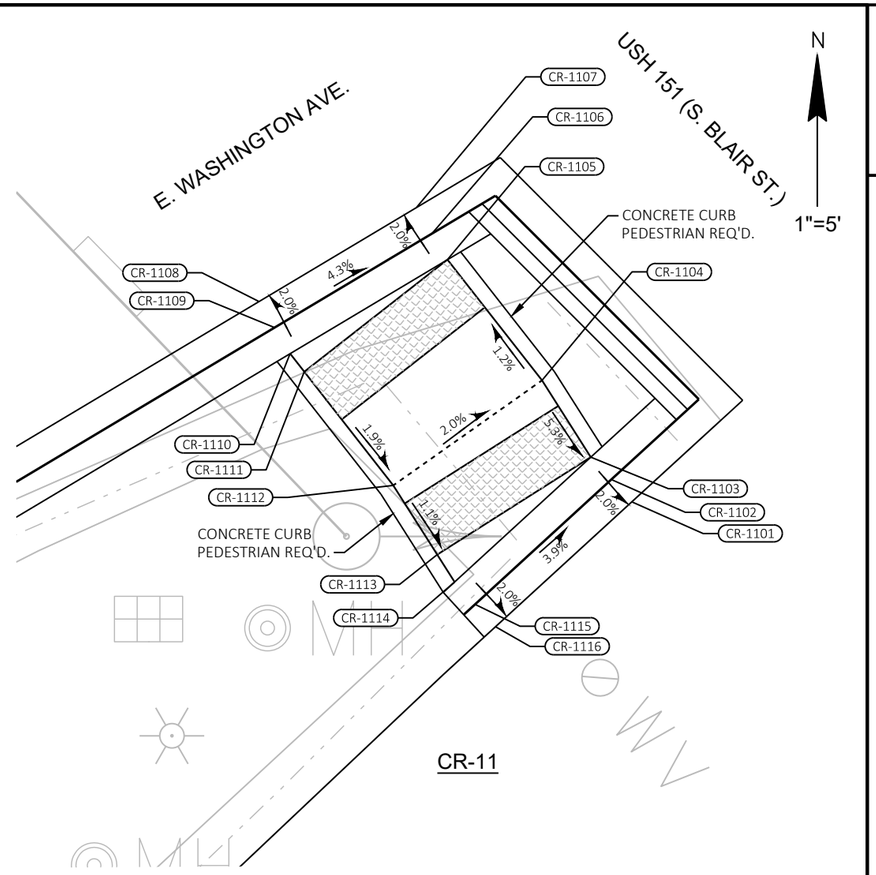


CR-10 POINTS

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	X	Y
CR-1001	59+76.51	41.5' LT	**	822647.98	484143.70
CR-1002	59+76.45	36.1' LT	**	822651.97	484147.45
CR-1003	59+83.63	37.8' LT	859.57	822645.76	484151.44
CR-1004	59+89.39	41.1' LT	859.43	822639.39	484153.30
CR-1005	59+90.04	39.2' LT	859.27	822640.32	484155.11
CR-1006	59+90.51	37.8' LT	859.25	822640.98	484156.39
CR-1007	59+90.77	37.4' LT	859.24	822641.12	484156.87
CR-1008	59+91.77	35.6' LT	859.28	822641.67	484158.80
CR-1009	59+94.77	40.8' LT	859.37	822635.87	484157.39
CR-1010	59+95.10	40.4' LT	859.36	822635.93	484157.89
CR-1011	59+96.38	38.9' LT	859.40	822636.14	484159.88
CR-1012	59+92.97	44.9' LT	859.52	822634.15	484153.23
CR-1013	59+93.49	44.5' LT	859.51	822634.06	484153.86
CR-1014	59+97.76	43.7' LT	859.43	822631.72	484157.54
CR-1015	59+98.14	43.3' LT	859.42	822631.70	484158.05
CR-1016	59+99.62	42.0' LT	859.50	822631.64	484160.05
CR-1017	60+03.23	46.8' LT	859.63	822625.69	484159.33
CR-1018	60+01.53	47.8' LT	859.51	822626.11	484157.38
CR-1019	60+01.10	48.1' LT	859.52	822626.21	484156.89
CR-1020	59+98.76	48.6' LT	859.53	822627.49	484154.87
CR-1021	59+95.32	49.3' LT	859.59	822629.37	484151.91
CR-1022	59+96.69	56.1' LT	860.02	822623.53	484148.18
CR-1023	59+91.69	56.2' LT	860.10	822626.91	484144.50
CR-1024	59+90.67	51.1' LT	859.67	822631.29	484147.29
CR-1025	59+88.90	47.8' LT	859.60	822634.87	484148.28
CR-1026	59+86.21	44.9' LT	859.53	822638.81	484148.34
CR-1027	59+81.90	42.5' LT	859.65	822643.58	484146.94
CR-1028	59+96.85	61.9' LT	860.37	822619.21	484144.25
CR-1029	59+91.82	62.0' LT	860.45	822622.60	484140.55
CR-1030	59+96.94	67.1' LT	860.67	822615.38	484140.71
CR-1031	59+96.93	72.7' LT	861.00	822611.33	484136.80
CR-1032	59+96.65	77.7' LT	**	822607.93	484133.13
CR-1033	59+91.92	77.7' LT	**	822611.21	484129.73
CR-1034	59+91.93	72.7' LT	761.08	822614.81	484133.21
CR-1035	59+91.94	67.2' LT	860.75	822618.81	484137.07
CR-1036	60+05.89	77.5' LT	**	822601.70	484139.97

**MATCH EXISTING

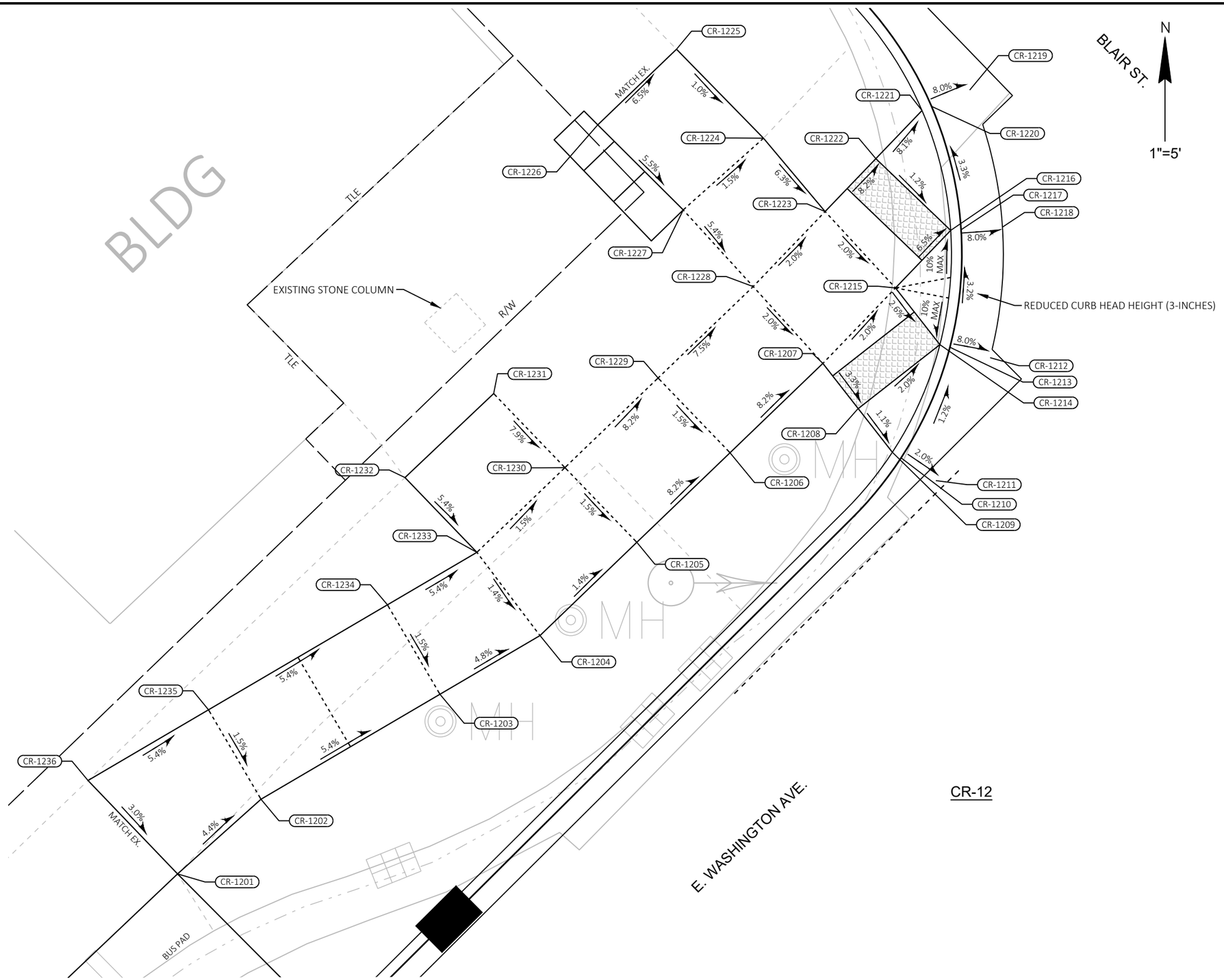


CR-11 POINTS

STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	X	Y
CR-1101	60+40.86	34.1' LT	859.83	822608.77	484195.27
CR-1102	60+41.86	34.1' LT	859.85	822608.10	484196.01
CR-1103	60+42.86	34.0' LT	859.86	822607.42	484196.74
CR-1104	60+45.81	33.4' LT	860.02	822605.81	484199.28
CR-1105	60+50.84	32.9' LT	859.96	822602.69	484203.26
CR-1106	60+51.81	32.7' LT	859.95	822602.18	484204.12
CR-1107	60+52.79	32.5' LT	859.93	822601.67	484204.98
CR-1108	60+54.15	38.4' LT	860.19	822596.47	484201.88
CR-1109	60+53.17	38.6' LT	860.21	822596.99	484201.02
CR-1110	60+52.20	38.8' LT	860.22	822597.50	484200.16
CR-1111	60+51.44	38.9' LT	860.23	822597.97	484199.56
CR-1112	60+46.71	39.4' LT	860.14	822600.90	484195.81
CR-1113	60+44.05	39.9' LT	860.11	822602.35	484193.53
CR-1114	60+43.01	40.1' LT	860.10	822602.93	484192.63
CR-1115	60+42.01	40.2' LT	860.09	822603.60	484191.89
CR-1116	60+41.01	40.2' LT	860.07	822604.28	484191.15

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CURB RAMP DETAILS	SHEET 40	E



CR-12

CR-12 POINTS

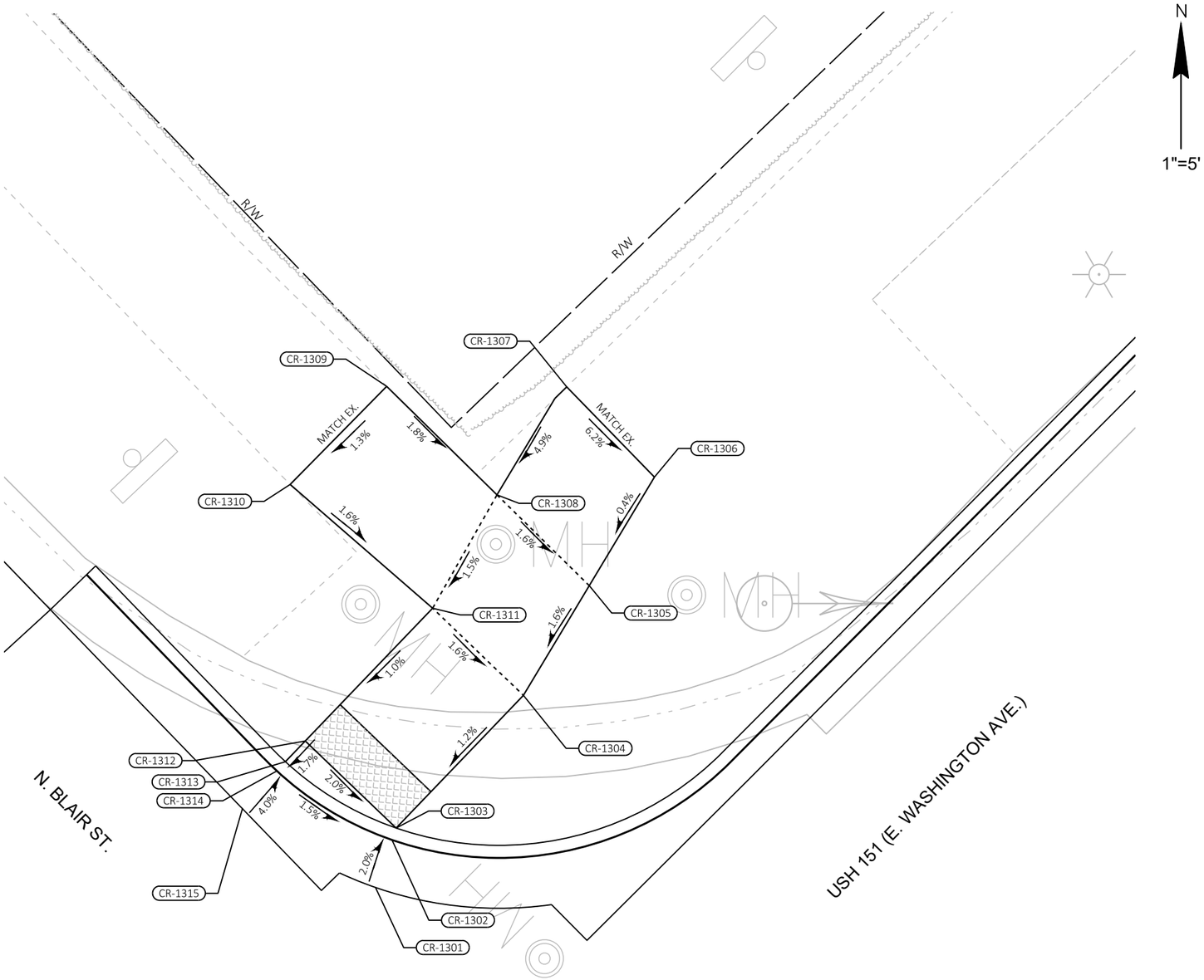
STATION & OFFSET TABLE

POINT	STATION	OFFSET	ELEVATION	X	Y
CR-1201	227+13.75	58.6' LT	**	822530.23	484222.54
CR-1202	227+19.15	58.4' LT	860.90	822534.25	484226.15
CR-1203	227+28.87	56.1' LT	860.36	822542.88	484231.21
CR-1204	227+34.31	54.8' LT	860.09	822547.70	484234.04
CR-1205	227+40.79	54.8' LT	860.00	822552.37	484238.53
CR-1206	227+47.02	54.8' LT	859.49	822556.86	484242.85
CR-1207	227+53.23	54.9' LT	858.98	822561.33	484247.15
CR-1208	227+52.96	52.1' LT	858.89	822563.04	484244.98
CR-1209	227+52.69	49.4' LT	858.86	822564.68	484242.87
CR-1210	227+52.80	49.0' LT	858.85	822565.10	484242.60
CR-1211	227+53.25	47.0' LT	858.81	822566.78	484241.51
CR-1212	227+59.24	49.5' LT	858.62	822569.40	484247.43
CR-1213	227+58.19	51.2' LT	858.78	822567.46	484247.93
CR-1214	227+57.93	51.6' LT	858.79	822566.98	484248.06
CR-1215	227+58.28	55.1' LT	858.88	822564.84	484250.79
CR-1216	227+62.12	55.2' LT	858.63	822567.50	484253.57
CR-1217	227+62.50	54.9' LT	858.59	822568.00	484253.60
CR-1218	227+64.03	53.6' LT	858.43	822569.99	484253.73
CR-1219	227+67.47	59.5' LT	858.23	822568.41	484260.33
CR-1220	227+65.59	60.2' LT	858.39	822566.57	484259.55
CR-1221	227+65.13	60.3' LT	858.43	822566.11	484259.35
CR-1222	227+61.91	60.2' LT	858.69	822563.89	484257.03
CR-1223	227+58.38	60.1' LT	858.98	822561.44	484254.48
CR-1224	227+58.69	64.7' LT	859.27	822558.47	484258.01
CR-1225	227+58.63	70.7' LT	**	822554.28	484262.30
CR-1226	227+53.37	70.7' LT	**	822550.48	484258.66
CR-1227	227+53.50	64.9' LT	859.35	822554.60	484254.56
CR-1228	227+53.38	59.9' LT	859.08	822557.97	484250.86
CR-1229	227+47.02	59.8' LT	859.56	822553.39	484246.45
CR-1230	227+40.79	59.8' LT	860.07	822548.90	484242.13
CR-1231	227+40.78	64.8' LT	**	822545.47	484245.70
CR-1232	227+34.89	64.8' LT	**	822541.19	484241.65
CR-1233	227+34.90	59.8' LT	860.16	822544.66	484238.05
CR-1234	227+30.03	61.0' LT	860.43	822540.35	484235.52
CR-1235	227+20.31	63.3' LT	860.97	822531.72	484230.46
CR-1236	227+13.75	64.9' LT	**	822525.91	484227.05

**MATCH EXISTING

2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CURB RAMP DETAILS	SHEET 41	E



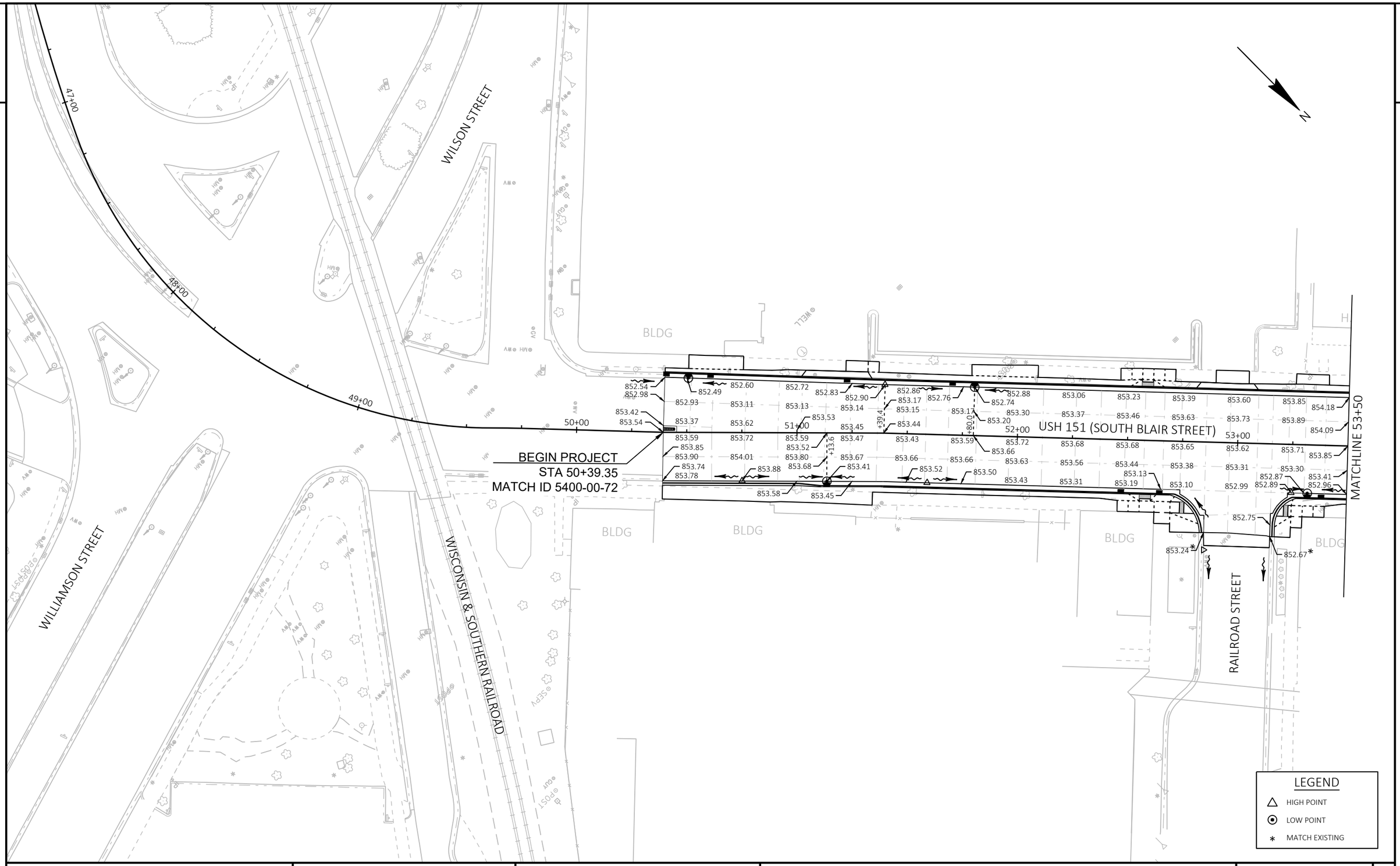
CR-13

CR-13 POINTS

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	ELEVATION	X	Y
CR-1301	228+04.04	55.9' LT	856.81	822597.17	484282.99
CR-1302	228+05.83	56.8' LT	856.77	822597.82	484284.88
CR-1303	228+06.27	57.0' LT	856.78	822597.99	484285.36
CR-1304	228+13.57	57.3' LT	856.87	822603.05	484290.62
CR-1305	228+18.48	58.6' LT	856.95	822605.66	484294.99
CR-1306	228+23.33	59.9' LT	**	822608.25	484299.30
CR-1307	228+23.31	64.9' LT	**	822604.76	484302.88
CR-1308	228+18.34	63.8' LT	857.03	822601.99	484298.59
CR-1309	228+18.18	69.9' LT	**	822597.61	484302.90
CR-1310	228+12.72	69.8' LT	**	822593.78	484299.01
CR-1311	228+13.38	62.3' LT	856.95	822599.44	484294.09
CR-1312	228+06.08	62.0' LT	856.88	822594.38	484288.82
CR-1313	228+04.93	62.0' LT	856.86	822593.59	484287.99
CR-1314	228+04.43	61.9' LT	856.85	822593.25	484287.63
CR-1315	228+02.44	61.8' LT	856.93	822591.89	484286.16

**MATCH EXISTING

2

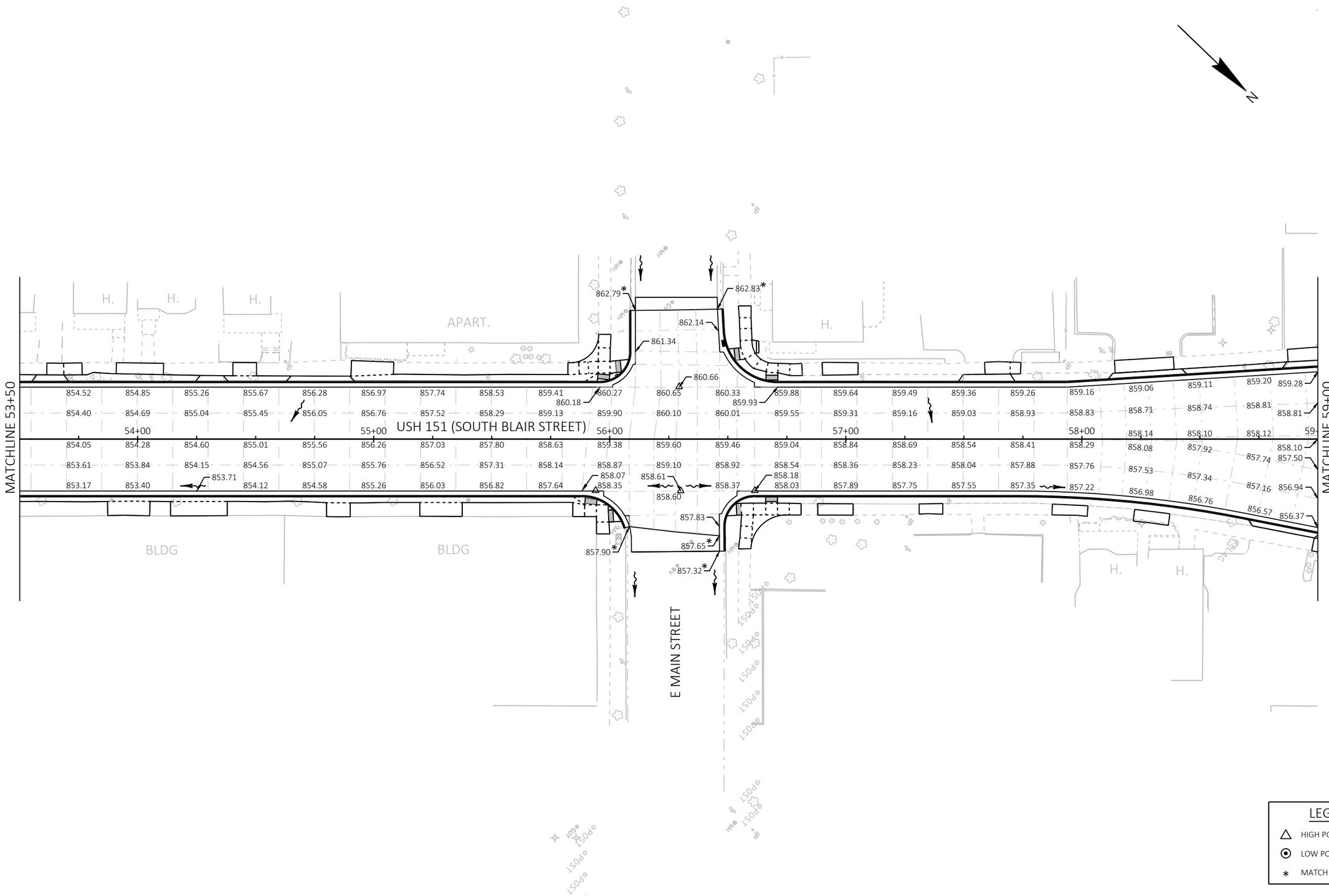


PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVING GRADES	SHEET 43	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021401-jd

PLOT DATE : 7/27/2021 4:41 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

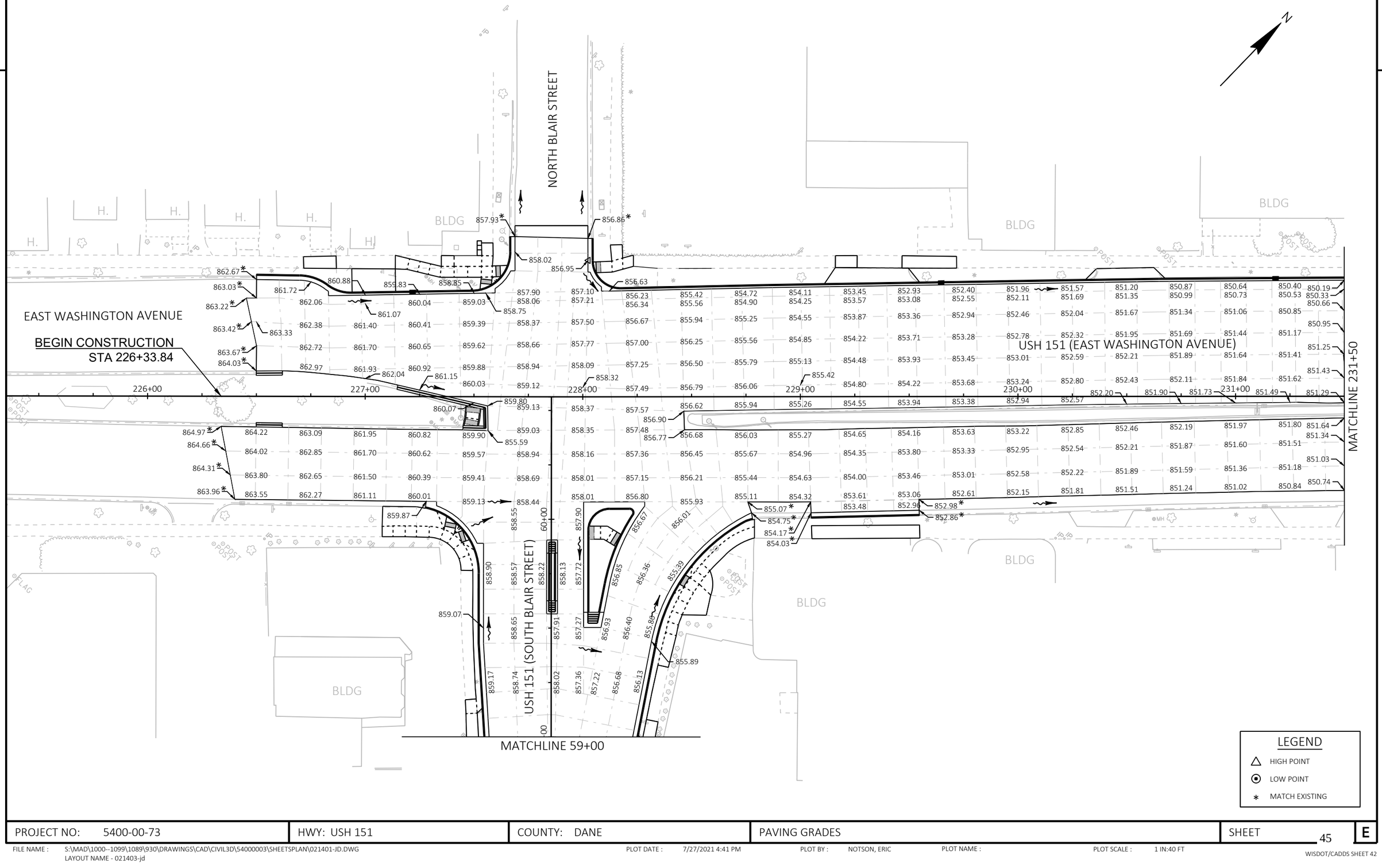


PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVING GRADES	SHEET 44	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\021401-JD.DWG
LAYOUT NAME - 021402-jd

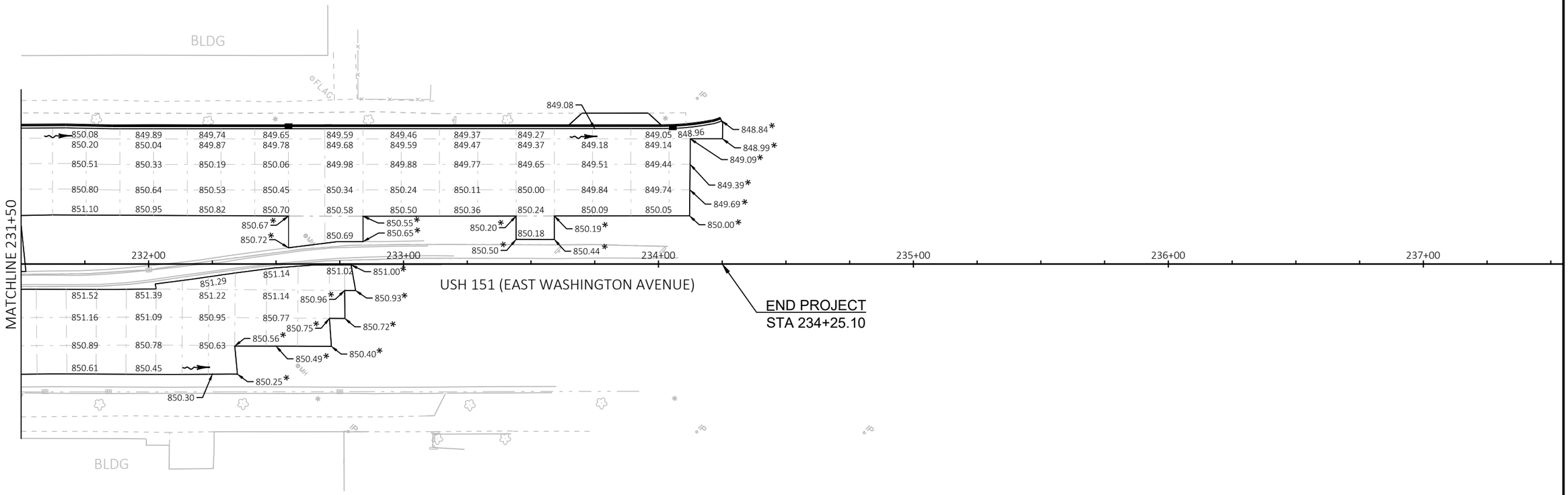
PLOT DATE : 7/27/2021 4:41 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVING GRADES	SHEET 45	E

2



LEGEND

- △ HIGH POINT
- ⊙ LOW POINT
- * MATCH EXISTING

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVING GRADES	SHEET 46	E

2

WISCONSIN & SOUTHERN RAILROAD

WILSON STREET

WILLIAMSON STREET

RAILROAD STREET

47+00

48+00

49+00

50+00

51+00

52+00

53+00

BEGIN PROJECT
STA 50+39.35
MATCH ID 5400-00-72

USH 151 (SOUTH BLAIR STREET)

MATCHLINE 53+50

BLDG

TLE

AD

AC

C

N

LEGEND

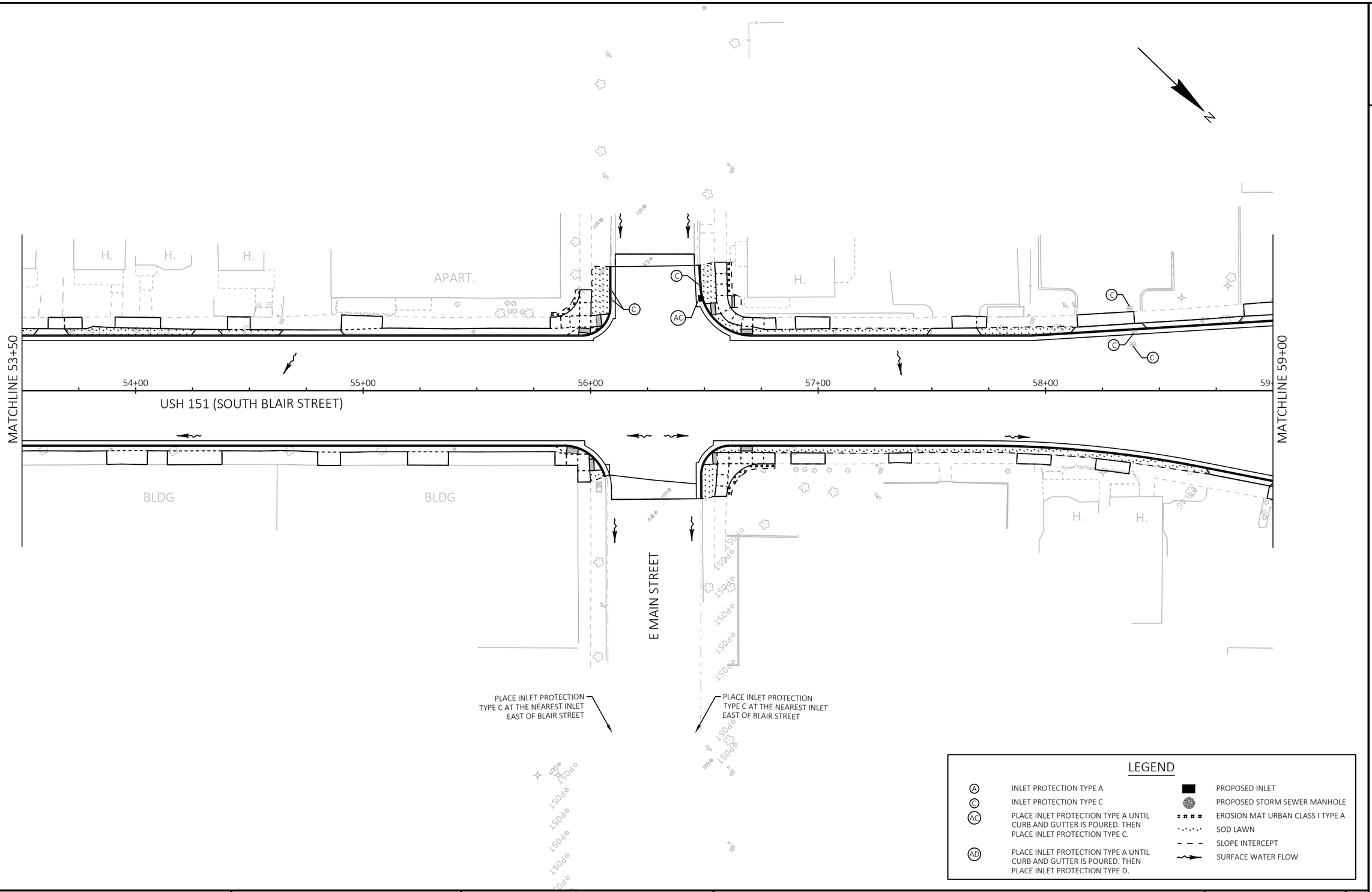
(A) INLET PROTECTION TYPE A	PROPOSED INLET
(C) INLET PROTECTION TYPE C	PROPOSED STORM SEWER MANHOLE
(AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.	EROSION MAT URBAN CLASS I TYPE A
	SOD LAWN
	SLOPE INTERCEPT
(AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.	SURFACE WATER FLOW

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 47	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-ec

PLOT DATE : 7/27/2021 4:47 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

- A — INLET PROTECTION TYPE A
- C — INLET PROTECTION TYPE C
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- PROPOSED INLET
- PROPOSED STORM SEWER MANHOLE
- EROSION MAT URBAN CLASS I TYPE A
- SOD LAWN
- SLOPE INTERCEPT
- SURFACE WATER FLOW

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 48	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec
PLOT DATE : 7/27/2021 4:48 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

PLACE INLET PROTECTION TYPE C AT THE NEAREST INLET WEST OF WASHINGTON AVENUE

PLACE INLET PROTECTION TYPE C AT THE NEAREST INLET WEST OF WASHINGTON AVENUE

NORTH BLAIR STREET

BLDG

BLDG

BLDG

EAST WASHINGTON AVENUE

USH 151 (EAST WASHINGTON AVENUE)

226+00

227+00

228+00

229+00

230+00

231+00

MATCHLINE 231+50

BEGIN CONSTRUCTION
STA 226+33.84

60+00

USH 151 (SOUTH BLAIR STREET)

BLDG

BLDG

MATCHLINE 59+00

LEGEND

(A) INLET PROTECTION TYPE A	PROPOSED INLET
(C) INLET PROTECTION TYPE C	PROPOSED STORM SEWER MANHOLE
(AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.	EROSION MAT URBAN CLASS I TYPE A
	SOD LAWN
	SLOPE INTERCEPT
(AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.	SURFACE WATER FLOW

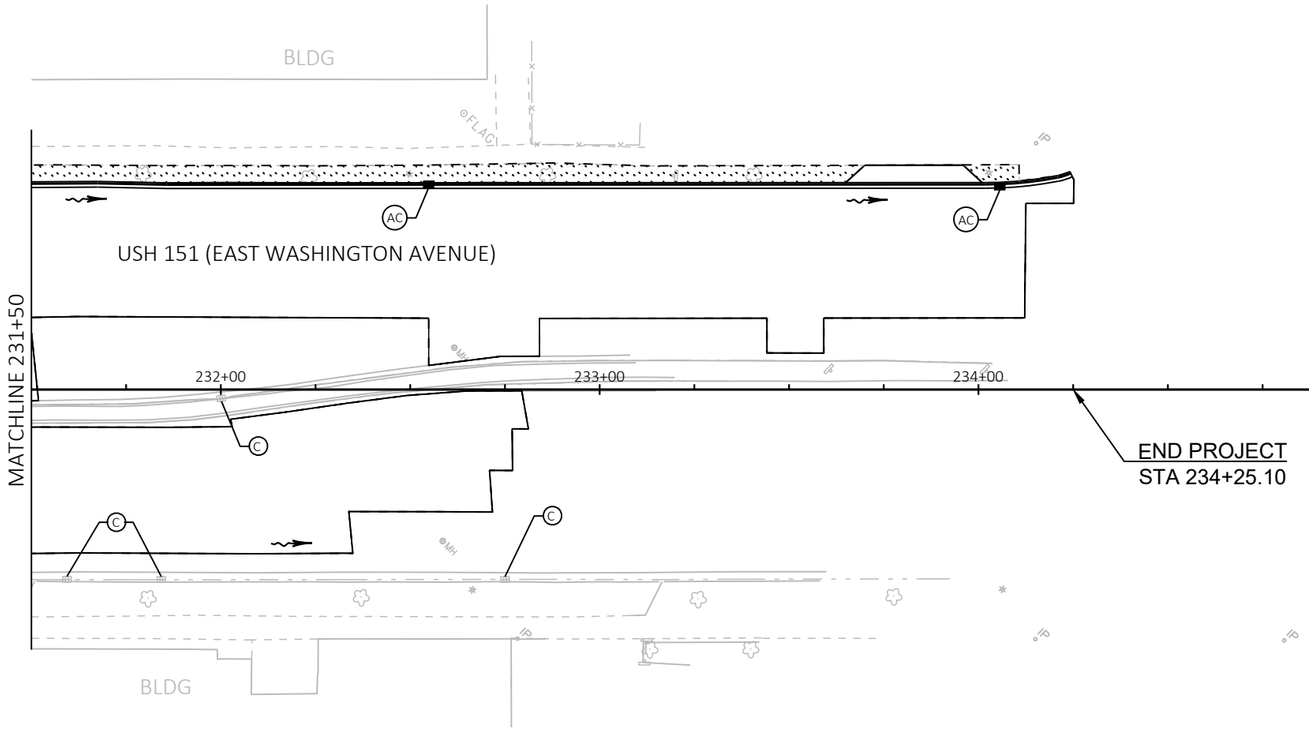
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 49	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec

PLOT DATE : 7/27/2021 4:48 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

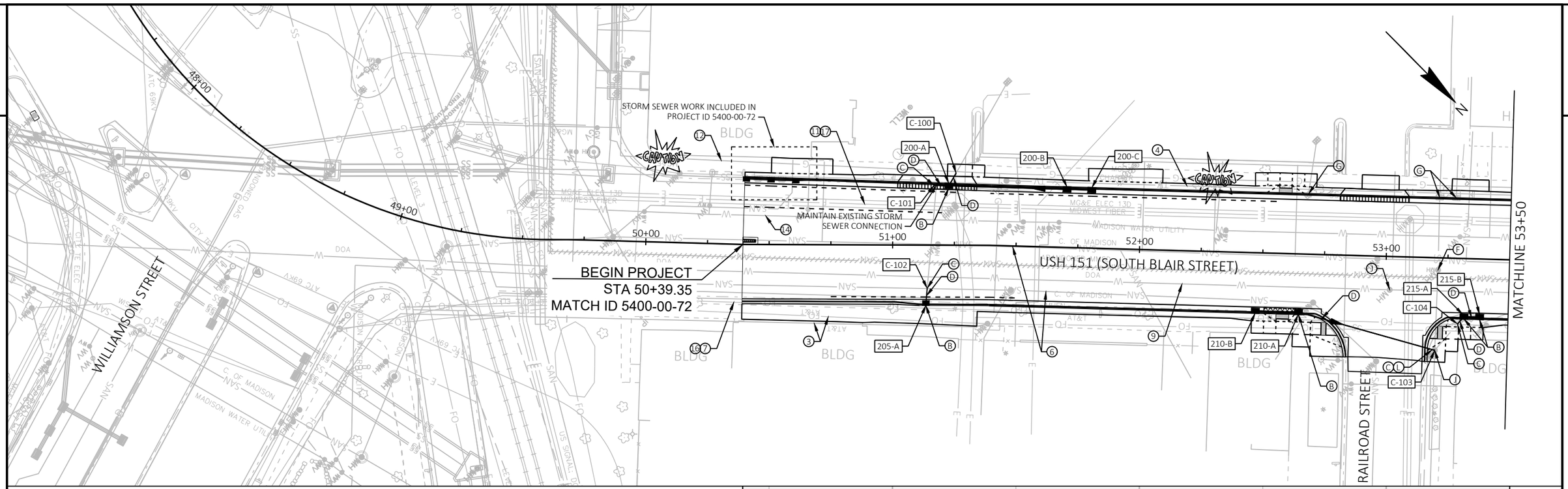


LEGEND

A — INLET PROTECTION TYPE A	PROPOSED INLET
C — INLET PROTECTION TYPE C	PROPOSED STORM SEWER MANHOLE
AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.	EROSION MAT URBAN CLASS I TYPE A
	SOD LAWN
	SLOPE INTERCEPT
AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.	SURFACE WATER FLOW

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	EROSION CONTROL	SHEET 50	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec
PLOT DATE : 7/27/2021 4:48 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

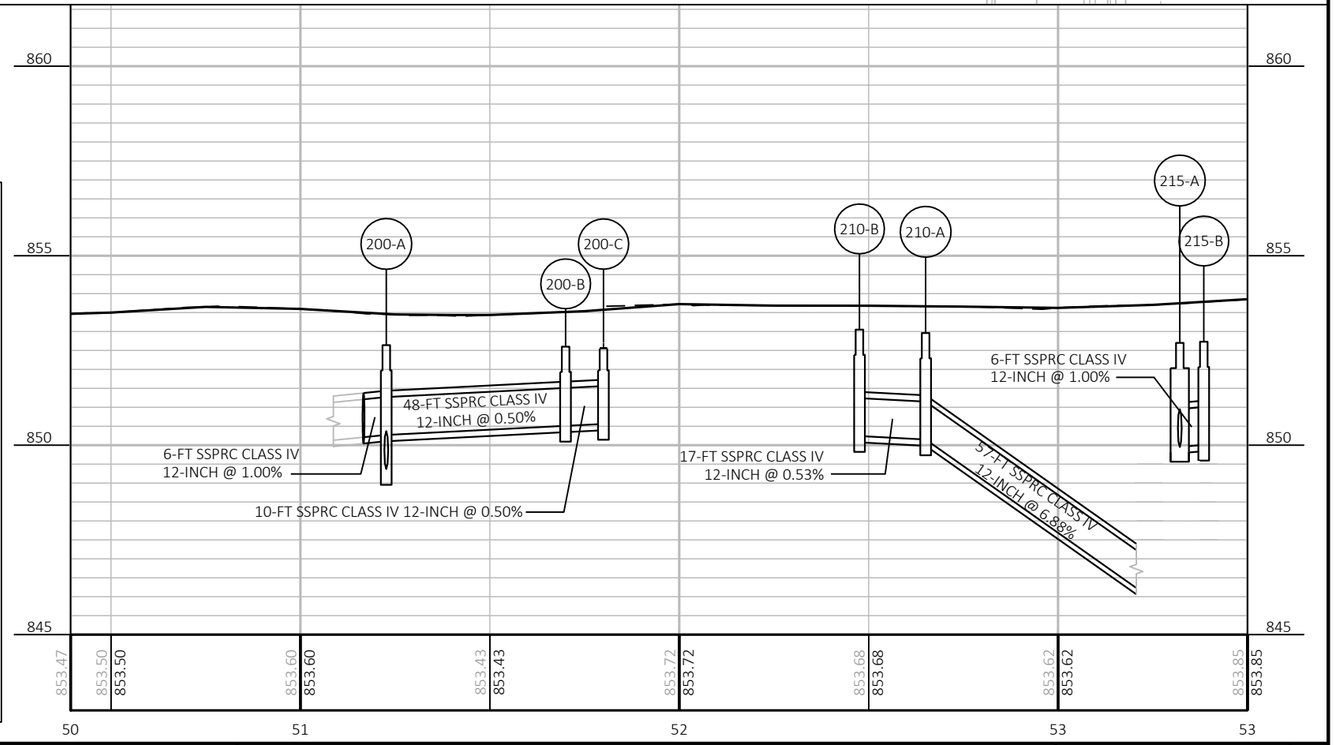


STORM SEWER LEGEND

- (A) RECONSTRUCTING INLETS REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12- TO 21-INCH REQ'D
- (E) REMOVING STORM SEWER 24- TO 36-INCH REQ'D
- (F) MANHOLE COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (G) INLET COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (H) ABANDONING SEWER (12-INCH) REQ'D
- (J) ADJUSTING MANHOLE COVERS REQ'D
- (K) ADJUSTING INLET COVERS REQ'D
- (L) STORM SEWER TAP REQ'D
- PIPE UNDERDRAIN WRAPPED 6-INCH

UTILITY LEGEND

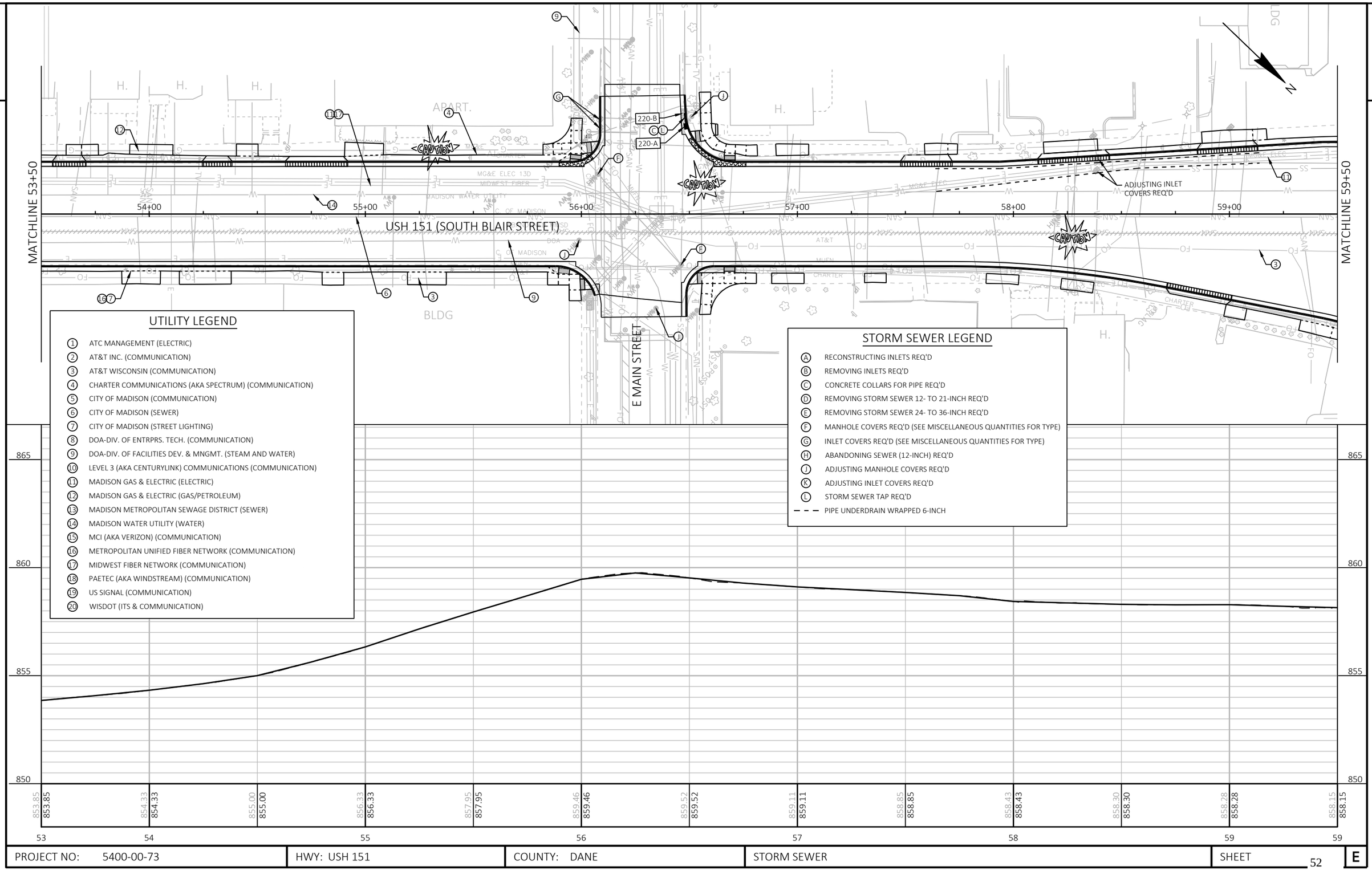
1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
9. DOA-DIV. OF FACILITIES DEV. & MNGMT. (STEAM AND WATER)
10. LEVEL 3 (AKA CENTURYLINK) COMMUNICATIONS (COMMUNICATION)
11. MADISON GAS & ELECTRIC (ELECTRIC)
12. MADISON GAS & ELECTRIC (GAS/PETROLEUM)
13. MADISON METROPOLITAN SEWAGE DISTRICT (SEWER)
14. MADISON WATER UTILITY (WATER)
15. MCI (AKA VERIZON) (COMMUNICATION)
16. METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATION)
17. MIDWEST FIBER NETWORK (COMMUNICATION)
18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STORM SEWER	SHEET 51	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss
PLOT DATE : 7/27/2021 5:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : ##########

2



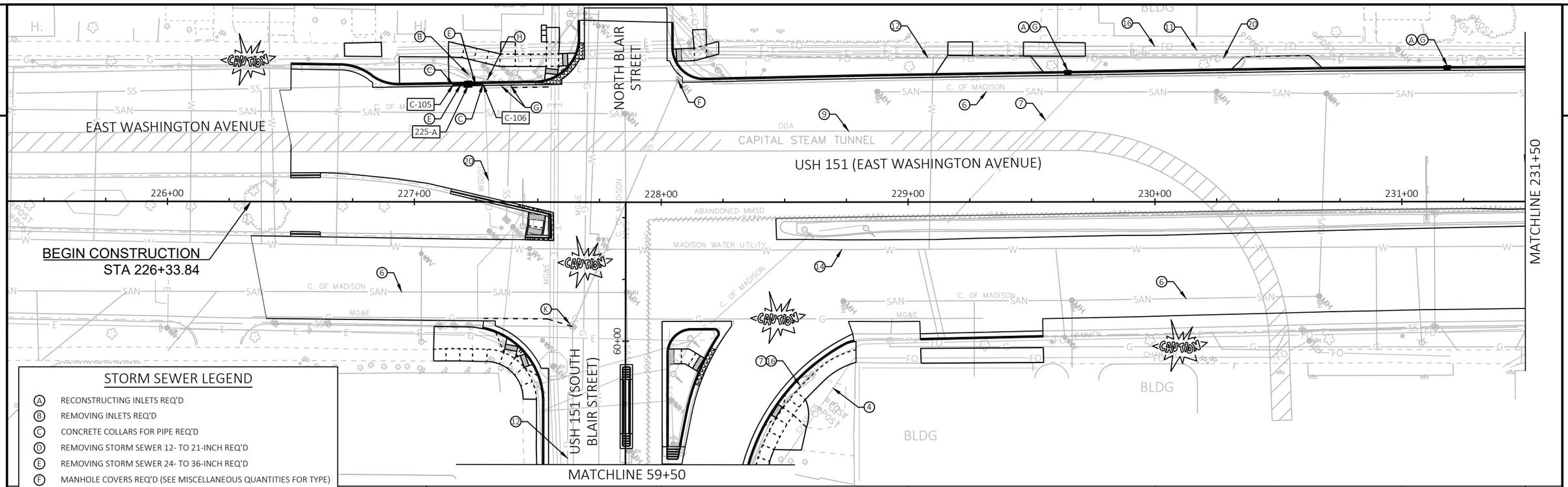
UTILITY LEGEND

1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
9. DOA-DIV. OF FACILITIES DEV. & MNGMT. (STEAM AND WATER)
10. LEVEL 3 (AKA CENTURYLINK) COMMUNICATIONS (COMMUNICATION)
11. MADISON GAS & ELECTRIC (ELECTRIC)
12. MADISON GAS & ELECTRIC (GAS/PETROLEUM)
13. MADISON METROPOLITAN SEWAGE DISTRICT (SEWER)
14. MADISON WATER UTILITY (WATER)
15. MCI (AKA VERIZON) (COMMUNICATION)
16. METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATION)
17. MIDWEST FIBER NETWORK (COMMUNICATION)
18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)

STORM SEWER LEGEND

- (A) RECONSTRUCTING INLETS REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12- TO 21-INCH REQ'D
- (E) REMOVING STORM SEWER 24- TO 36-INCH REQ'D
- (F) MANHOLE COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (G) INLET COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (H) ABANDONING SEWER (12-INCH) REQ'D
- (J) ADJUSTING MANHOLE COVERS REQ'D
- (K) ADJUSTING INLET COVERS REQ'D
- (L) STORM SEWER TAP REQ'D
- PIPE UNDERDRAIN WRAPPED 6-INCH

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STORM SEWER	SHEET 52	E

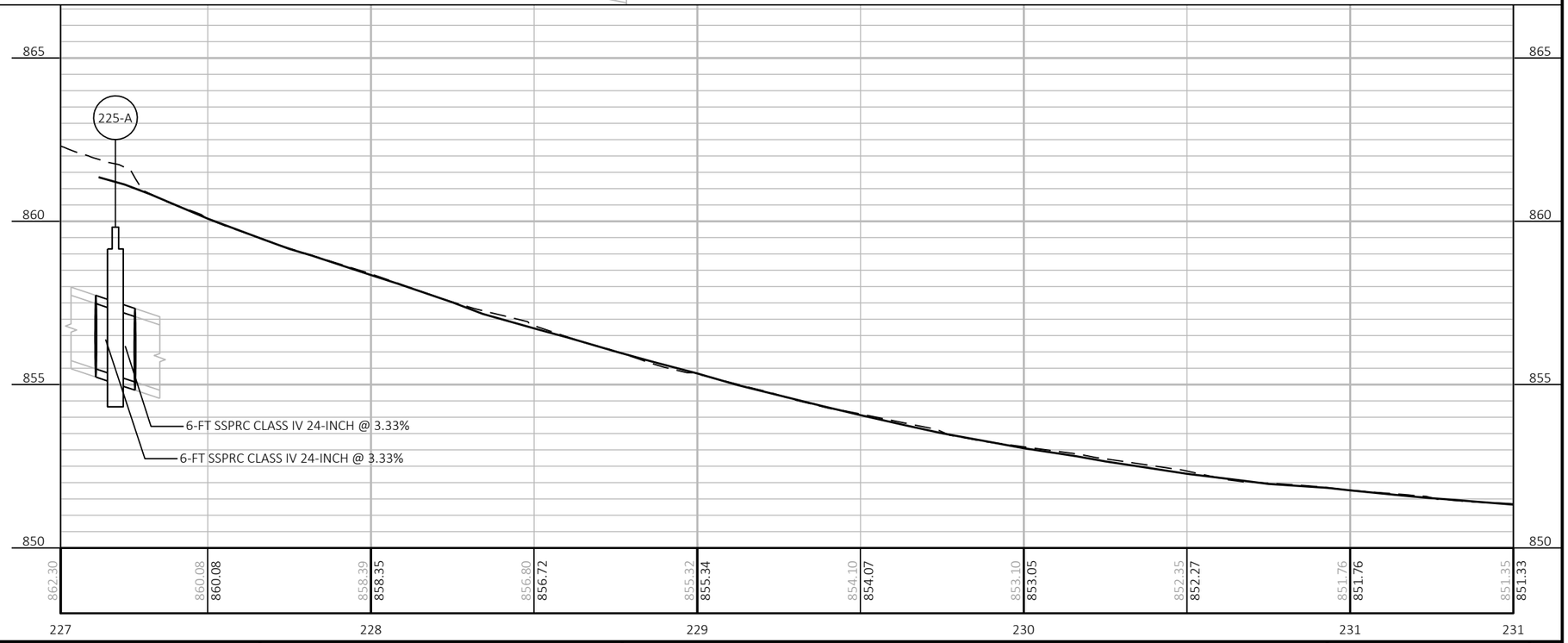


STORM SEWER LEGEND

- (A) RECONSTRUCTING INLETS REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12- TO 21-INCH REQ'D
- (E) REMOVING STORM SEWER 24- TO 36-INCH REQ'D
- (F) MANHOLE COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (G) INLET COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (H) ABANDONING SEWER (12-INCH) REQ'D
- (J) ADJUSTING MANHOLE COVERS REQ'D
- (K) ADJUSTING INLET COVERS REQ'D
- (L) STORM SEWER TAP REQ'D
- PIPE UNDERDRAIN WRAPPED 6-INCH

UTILITY LEGEND

1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
9. DOA-DIV. OF FACILITIES DEV. & MNGMT. (STEAM AND WATER)
10. LEVEL 3 (AKA CENTURYLINK) COMMUNICATIONS (COMMUNICATION)
11. MADISON GAS & ELECTRIC (ELECTRIC)
12. MADISON GAS & ELECTRIC (GAS/PETROLEUM)
13. MADISON METROPOLITAN SEWAGE DISTRICT (SEWER)
14. MADISON WATER UTILITY (WATER)
15. MCI (AKA VERIZON) (COMMUNICATION)
16. METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATION)
17. MIDWEST FIBER NETWORK (COMMUNICATION)
18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)

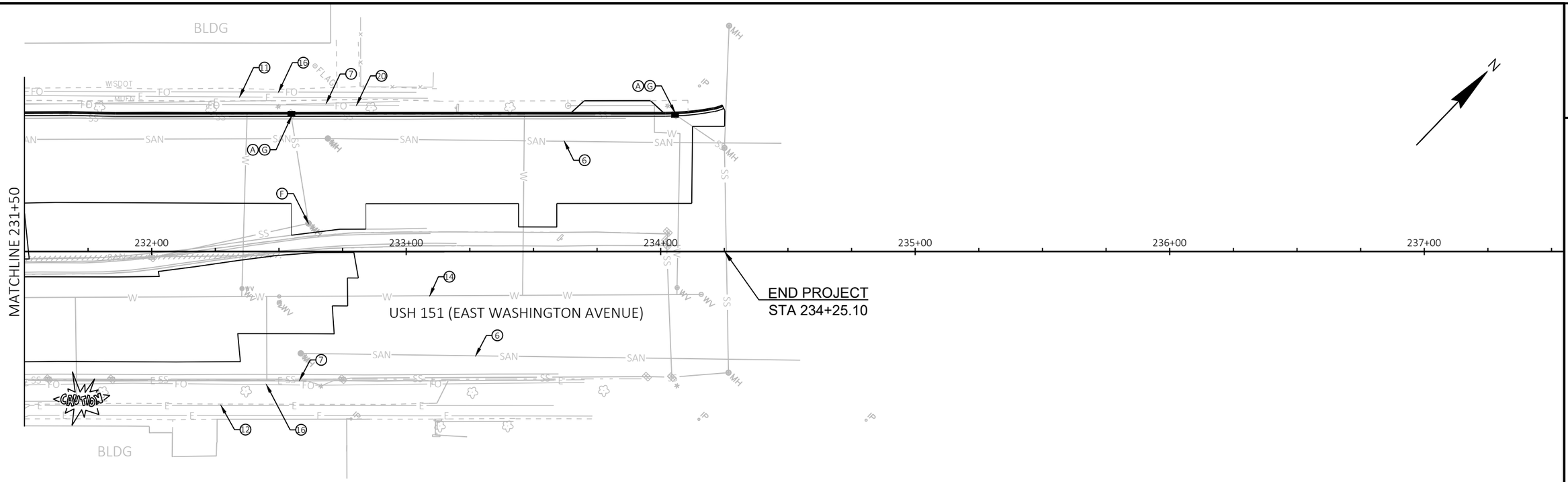


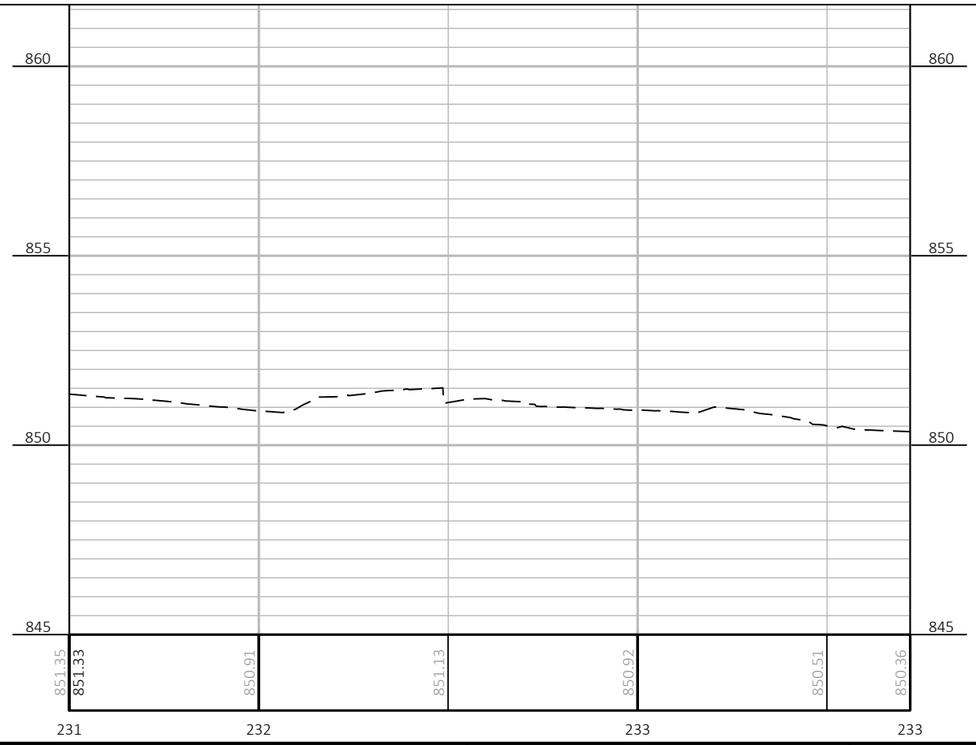
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STORM SEWER	SHEET 53	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022503-ss

PLOT DATE : 7/27/2021 5:03 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 41





STORM SEWER LEGEND

- (A) RECONSTRUCTING INLETS REQ'D
- (B) REMOVING INLETS REQ'D
- (C) CONCRETE COLLARS FOR PIPE REQ'D
- (D) REMOVING STORM SEWER 12- TO 21-INCH REQ'D
- (E) REMOVING STORM SEWER 24- TO 36-INCH REQ'D
- (F) MANHOLE COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (G) INLET COVERS REQ'D (SEE MISCELLANEOUS QUANTITIES FOR TYPE)
- (H) ABANDONING SEWER (12-INCH) REQ'D
- (J) ADJUSTING MANHOLE COVERS REQ'D
- (K) ADJUSTING INLET COVERS REQ'D
- (L) STORM SEWER TAP REQ'D
- PIPE UNDERDRAIN WRAPPED 6-INCH

UTILITY LEGEND

1. ATC MANAGEMENT (ELECTRIC)
2. AT&T INC. (COMMUNICATION)
3. AT&T WISCONSIN (COMMUNICATION)
4. CHARTER COMMUNICATIONS (AKA SPECTRUM) (COMMUNICATION)
5. CITY OF MADISON (COMMUNICATION)
6. CITY OF MADISON (SEWER)
7. CITY OF MADISON (STREET LIGHTING)
8. DOA-DIV. OF ENTRPRS. TECH. (COMMUNICATION)
9. DOA-DIV. OF FACILITIES DEV. & MNGMT. (STEAM AND WATER)
10. LEVEL 3 (AKA CENTURYLINK) COMMUNICATIONS (COMMUNICATION)
11. MADISON GAS & ELECTRIC (ELECTRIC)
12. MADISON GAS & ELECTRIC (GAS/PETROLEUM)
13. MADISON METROPOLITAN SEWAGE DISTRICT (SEWER)
14. MADISON WATER UTILITY (WATER)
15. MCI (AKA VERIZON) (COMMUNICATION)
16. METROPOLITAN UNIFIED FIBER NETWORK (COMMUNICATION)
17. MIDWEST FIBER NETWORK (COMMUNICATION)
18. PAETEC (AKA WINDSTREAM) (COMMUNICATION)
19. US SIGNAL (COMMUNICATION)
20. WISDOT (ITS & COMMUNICATION)

STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	INLET TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE					REMARKS
										SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
C-101	51+16.66	24.2 'LT	-	-	-	-	-	-	-	-	850.21	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
200-A	51+22.66	24.0 'LT	6.0	C-101	2X3-FT	DW	852.64	851.81	2.44	12	850.27	850.21	6	1.00%	CAST-IN-PLACE INLET REQ'D
200-B	51+70.00	23.5 'LT	47.9	200-A	2X3-FT	H-S	852.60	851.77	1.26	12	850.51	850.27	48	0.50%	CAST-IN-PLACE INLET REQ'D
200-C	51+80.00	23.5 'LT	10.0	200-B	2X3-FT	H-S	852.56	851.73	1.17	12	850.56	850.51	10	0.50%	CAST-IN-PLACE INLET REQ'D
C-100	51+25.59	29.2 'LT	5.9	200-A	-	-	-	-	-	PVC	849.68	849.37	6	5.17%	12-INCH DIA. PVC
205-A	51+13.56	23.5 'RT	6.0	C-102	2X3-FT	H-S	853.23	852.40	1.69	12	850.70	850.64	6	1.00%	-
C-102	51+14.06	17.5 'RT	-	-	-	-	-	-	-	-	850.64	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
C-103	53+20.66	37.5 'RT	-	-	-	-	-	-	-	-	846.23	-	-	-	STORM SEWER TAP REQ'D; CONCRETE COLLARS FOR PIPE REQ'D
210-A	52+65.04	23.5 'RT	57.3	C-103	2X3-FT	H-S	852.96	852.13	1.98	12	850.15	846.23	57	6.88%	-
210-B	52+47.57	23.5 'RT	17.5	210-A	2X3-FT	H	853.05	852.22	1.98	12	850.24	850.15	17	0.53%	-
215-B	53+38.45	23.5 'RT	6.3	215-A	2X3-FT	H	852.73	851.90	1.88	12	850.01	849.95	6	1.00%	-
215-A	53+32.12	23.5 'RT	4.0	C-104	4-FT	H	852.70	851.87	1.91	12	849.95	849.13	4	20.50%	FLAT TOP 2'X3' OPENING REQ'D
C-104	53+29.58	26.6 'RT	-	-	-	-	-	-	-	-	849.13	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
220-B	56+47.58	46.7 'LT	-	-	-	H	-	-	-	-	857.72	-	-	-	STORM SEWER TAP REQ'D; CONCRETE COLLARS FOR PIPE REQ'D
220-A	56+48.48	40.6 'LT	6.1	220-B	2X3-FT	H	861.64	860.81	3.03	12	857.78	857.72	6	1.00%	-
C-105	227+15.69 EW	47.4 'LT	6.0	225-A	-	-	-	-	-	24	855.48	855.28	6	3.33%	CONCRETE COLLARS FOR PIPE REQ'D; FIELD VERIFY TIE-IN ELEVATION
225-A	227+21.69 EW	47.5 'LT	6.0	C-106	4-FT	H	859.82	858.99	3.71	24	855.28	855.08	6	3.33%	FLAT TOP 2'X3' OFFSET OPENING REQ'D
C-106	227+27.69 EW	47.6 'LT	-	-	-	-	-	-	-	-	855.08	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D; FIELD VERIFY TIE-IN ELEVATION

2

2

WISCONSIN & SOUTHERN RAILROAD

WILSON STREET

WILLIAMSON STREET

47+00

48+00

49+00

50+00

51+00

52+00

53+00

BEGIN PROJECT
STA 50+39.35
MATCH ID 5400-00-72

MATCHLINE 53+50

USH 151(SOUTH BLAIR STREET)

RAILROAD STREET

BLDG

SOUTH 151 H

J4-1 24"X36" P1-1

D9-2 24"X24" P1-2

MB6-2 21"X21" P1-3

1 E1-8

1 E1-9

Alliant Energy Center

Monona Terrace

1 E1-11

1 E1-12

R R

EXEMPT

2 E1-13

2 E1-14

SOUTH 151

CAPITAL CITY TRAIL

1 E1-10

NO PARKING ANY TIME

NORTH 151

SPEED LIMIT 25

1 E1-1

1 E1-2

1 E1-3

1 E1-4

1 E1-5

1 E1-6

S Blair St

Railroad St

CAPITAL CITY TRAIL

STOP

1 E1-7

N

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON SIGN POST
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- PROPOSED SIGN MOUNTED ON PROPOSED LIGHT POLE
- PROPOSED SIGN MOUNTED POLES 20-FT 7 GAUGE
- (1) MOVING SIGNS TYPE II REQ'D
- (2) EXISTING SIGN TO REMAIN
- (3) EXISTING SIGN TO BE REMOVED BY OTHERS
- EXISTING SIGN MOUNTED ON SIGN POST
- EXISTING SIGN MOUNTED ON UTILITY POLE

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	SIGNING	SHEET 56	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023201-ps

PLOT DATE : 7/29/2021 9:43 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

MATCHLINE 53+50

MATCHLINE 59+00

USH 151(SOUTH BLAIR STREET)

54+00 55+00 56+00 57+00 58+00 59+

E MAIN STREET

S Blair St

E Main St

STOP

APART.

H.

NO PARKING ANY TIME

SEE STRUCTURE S-13-567 DETAILS

BLDG

TO INTERSTATE 39 INTERSTATE 94 E Washington Ave

P2-1

10'-0"X5'-0"

NORTH 151

TRUCK ROUTE

IRONTON WRIGHT TRAIL

E2-1 E2-2 E2-3 E2-4 E2-5 E2-6 E2-7 E2-8 E2-9 E2-10 E2-11 E2-12 E2-13 E2-14 E2-15 E2-16 E2-17 E2-18 E2-19 E2-20 E2-21 E2-22 E2-23 E2-24 E2-25 E2-26 E2-27 E2-28

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON SIGN POST
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- PROPOSED SIGN MOUNTED ON PROPOSED LIGHT POLE
- PROPOSED SIGN MOUNTED POLES 20-FT 7 GAUGE
- (1) MOVING SIGNS TYPE II REQ'D
- (2) EXISTING SIGN TO REMAIN
- (3) EXISTING SIGN TO BE REMOVED BY OTHERS
- EXISTING SIGN MOUNTED ON SIGN POST
- EXISTING SIGN MOUNTED ON UTILITY POLE

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	SIGNING	SHEET 57	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps

PLOT DATE : 7/29/2021 9:43 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

NORTH BLAIR STREET

ONLY

EAST WASHINGTON AVENUE

USH 151 (EAST WASHINGTON AVENUE)

BEGIN CONSTRUCTION
STA 226+33.84

226+00 227+00 228+00 229+00 230+00 231+00

MATCHLINE 231+50

MATCHLINE 59+00

60+00

USH 151 (SOUTH BLAIR STREET)

BLDG

SEE STRUCTURE S-13-568 DETAILS

TO INTERSTATE 39 INTERSTATE 94 E Washington Ave East

P3-1 10'-0"X5'-0"

E3-1 E3-2 E3-3 E3-4 E3-5 E3-6 E3-7 E3-8 E3-9 E3-10 E3-11 E3-12 E3-13 E3-14 E3-15 E3-16 E3-17 E3-18 E3-19 E3-20 E3-21 E3-22 E3-23 E3-24 E3-25 E3-26 E3-27 E3-28 E3-29 E3-30 E3-31 E3-32 E3-33 E3-34 E3-35 E3-36

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON SIGN POST
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- PROPOSED SIGN MOUNTED ON PROPOSED LIGHT POLE
- PROPOSED SIGN MOUNTED POLES 20-FT 7 GAUGE
- (1) MOVING SIGNS TYPE II REQ'D
- (2) EXISTING SIGN TO REMAIN
- (3) EXISTING SIGN TO BE REMOVED BY OTHERS
- EXISTING SIGN MOUNTED ON SIGN POST
- EXISTING SIGN MOUNTED ON UTILITY POLE

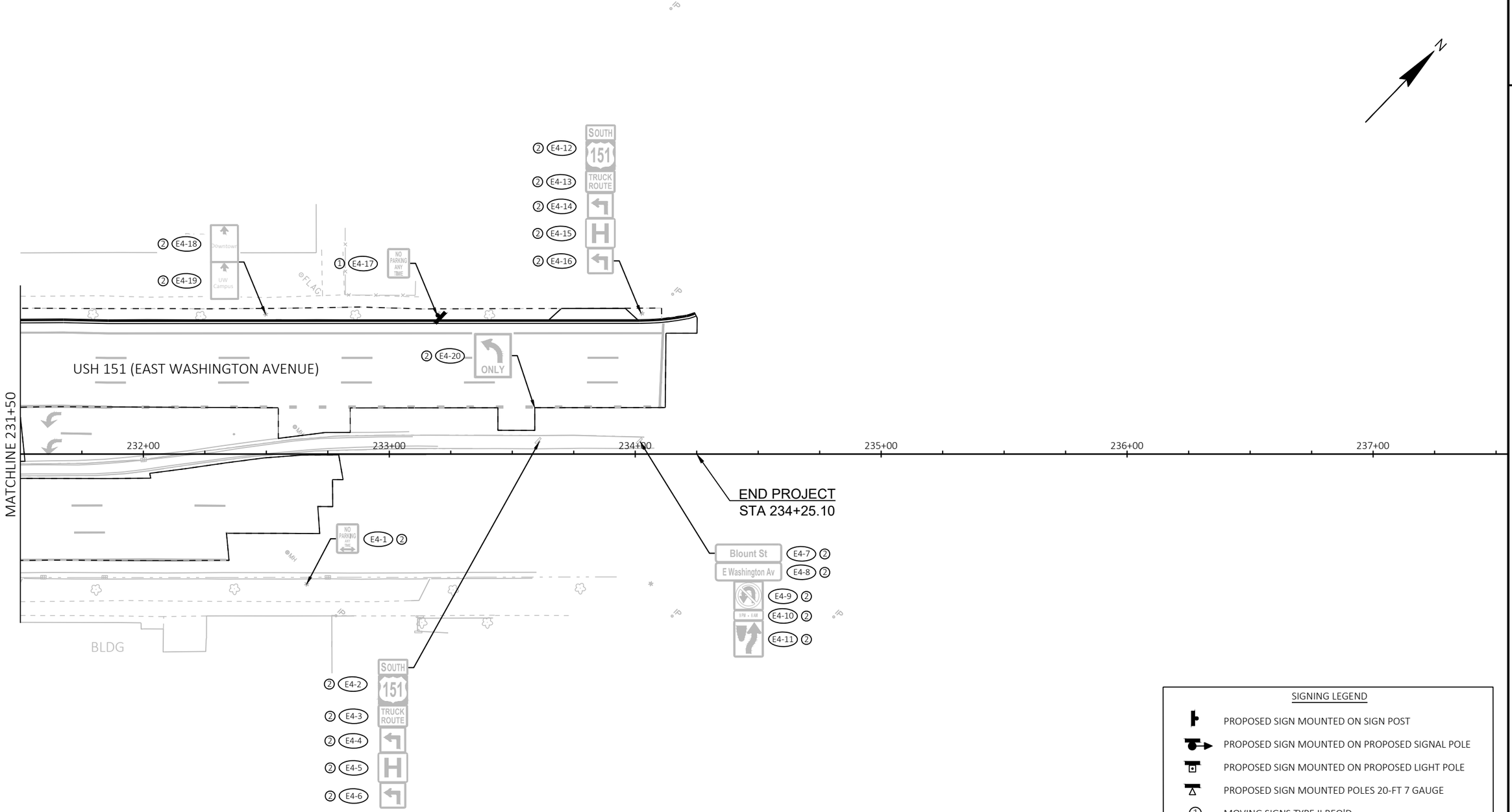
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	SIGNING	SHEET 58	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps

PLOT DATE : 7/29/2021 9:43 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON SIGN POST
- PROPOSED SIGN MOUNTED ON PROPOSED SIGNAL POLE
- PROPOSED SIGN MOUNTED ON PROPOSED LIGHT POLE
- PROPOSED SIGN MOUNTED POLES 20-FT 7 GAUGE
- (1) MOVING SIGNS TYPE II REQ'D
- (2) EXISTING SIGN TO REMAIN
- (3) EXISTING SIGN TO BE REMOVED BY OTHERS
- EXISTING SIGN MOUNTED ON SIGN POST
- EXISTING SIGN MOUNTED ON UTILITY POLE

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	SIGNING	SHEET 59	E

2

2

MATCHLINE 50+39.35 PROJECT ID 5400-00-72

MATCHLINE 55+75.00

N

P951 - STA: 50+45, 28.48L
LB1 - 12FT - XX - DECORATIVE

HH1

P955 - STA: 52+11, 26+32L
LB1 - 12FT - XX - DECORATIVE

P953 - STA: 51+37, 26.65L
LB1 - 12FT - XX - DECORATIVE

*HH2

P956 - STA: 53+13, 26.22L
LB1 - 12FT - XX - DECORATIVE

*HH5

P958

P960 - STA: 54+96, 25.79L
LB1 - 12FT - XX - DECORATIVE

51+00 52+00 53+00 54+00 55+00

USH 151 (S BLAIR ST)

RAILROAD ST

P957 - STA: 53+52, 25.55R
LB1 - 12FT - XX - DECORATIVE

*HH4

P959 - STA:54+42, 25.49R
LB1 - 12FT - XX - DECORATIVE

WP1

P952 - STA: 50+90, 25.38R
LB1 - 12FT - XX - DECORATIVE

P954 - STA: 51+76, 26.01R
LB1 - 12FT - XX - DECORATIVE

WP2

WP3

SL495 - STA: 52+63, 26.71R
LB3 - 30FT - 11GA - LED A - 8FT ARM

*HH3

P961 - STA: 55+32, 25.94R
LB1 - 12FT - XX - DECORATIVE

STREET LIGHT NUMBER
STATION & OFFSET

P111 - STA:XX+XX, XX.XXR
LB1 - 30FT - 11GA - LED A - 8FT ARM

ARM LENGTH
FIXTURE
POLE GAUGE
POLE HEIGHT
BASE TYPE

LEGEND

- CONDUIT
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE

* STRUCTURE ALSO SHOWN ON OTHER SHEET

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STREET LIGHT PLAN	SHEET 60	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - SL.DWG PLOT DATE : 7/30/2021 9:37 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

2

2

*HH10

*HH11

SL499-1 - STA: 59+28, 34.21 L
LB3 - 30FT - 11GA - LED A - 8FT ARM

WP6

*HH14

P962 - STA: 57+17, 26.37L
LB1 - 12FT - XX - DECORATIVE

P964 - STA: 57+91, 27.01L
LB1 - 12FT - XX - DECORATIVE

MATCH & CONNECT
TO EXISTING SL CONDUIT

*HH6

*HH7

USH 151 (BLAIR ST)

MATCHLINE 55+75.00

56+00 57+00 58+00 59+00 60+00 60+56

L6

*SL36 - STA: 60+01, 26.23R
LB8 - POLE INSTALL BY CITY TE

*HH15

*HH17

WP5

P963 - STA: 57+57, 26.19R
LB1 - 12FT - XX - DECORATIVE

E MAIN ST

*HH13

*SL498 - STA: 56+72, 26.02R
LB8 - 30FT - 7GA - LED A - 8FT ARM

*HH8

*HH9

WP4

*HH12

WP7

P965 - STA: 58+53, 33.02R
LB1 - 12FT - XX - DECORATIVE

*HH16

USH 151 (E WASHINGTON AVE)

SL39 - LB-SP
LOCATION TO BE
MARKED BY
ENGINEER

STREET LIGHT NUMBER
STATION & OFFSET
P111 - STA:XX+XX, XX.XXR
LB1 - 30FT - 11GA - LED A - 8FT ARM
ARM LENGTH
FIXTURE
POLE GAUGE
POLE HEIGHT
BASE TYPE

LEGEND

- CONDUIT
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE

* STRUCTURE ALSO SHOWN ON OTHER SHEET

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STREET LIGHT PLAN	SHEET 61	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - SL.DWG
LAYOUT NAME - 5400-00-73 SHEET 2

PLOT DATE : 7/30/2021 9:37 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE 50+39.35 PROJECT ID 5400-00-72

MATCHLINE 55+75.00

*HH2

*HH5

*HH3

*HH4

51+00

52+00

53+00

54+00

55+00

USH 151 (S BLAIR ST)

RAILROAD ST

JDJ IMPORT COMPANY LLC
134 S BLAIR ST

JDJ IMPORT COMPANY LLC
116 S BLAIR ST UNIT 3

JDJ IMPORT COMPANY LLC
112 S BLAIR ST UNIT 1

SETTLEMENT PLACE LLC
525 E MAIN ST UNIT 202

CURRENT OWNER
631 RAILROAD ST.

CURRENT OWNER
602 RAILROAD ST.

LEGEND

- CONDUIT
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE
- DETECTOR LOOP
- SIGNAL HEADS

* STRUCTURE ALSO SHOWN ON OTHER SHEET

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 62	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - TS.DWG PLOT DATE : 7/30/2021 9:31 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

2

MATCHLINE 55+75.00

USH 151 (BLAIR ST)

E MAIN ST

USH 151 (E WASHINGTON AVE)

56+00 57+00 58+00 59+00 60+00 60+56

*HH6
*HH7
*HH8
*HH9
*HH10
SB1
*HH11
*HH12
*HH13
*SB2
L6
HH20
L4
HH19
SB3
WP8
*HH14
L3
L2
L1
*SB4
HH18
*HH15
L5
*HH17
SB5
*HH16
WP9
WP10

THE WMC FOUNDATION INC
501 E WASHINGTON AVE

ORB AND SCEPTER HOLDINGS
521 E WASHINGTON AVE

522 - 524 E MAIN STREET LLC
524 E MAIN ST UNIT 3

CURRENT OWNER
S BLAIR ST

COUNTY OF DANE
615 E WASHINGTON AVE

MADISON PUBLIC MARKET LLC
S BLAIR ST

WISDOT

HERSHLEDER PROPE
520 E WASHINGTON AV

CAPITAL GAR
608 E WASHIN

CAPITAL STEAM TUNNEL

LEGEND

- CONDUIT
- G BASE
- LB-1 BASE
- LB-3 BASE
- LB-8 BASE
- HH TYPE 3
- HH TYPE 1
- HH TYPE 5
- HH TYPE 7
- TYPE P BASE
- TEMP WOOD POLE
- DETECTOR LOOP
- SIGNAL HEADS

* STRUCTURE ALSO SHOWN ON OTHER SHEET

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	TRAFFIC SIGNAL PLAN	SHEET 63	E

FILE NAME : M:\DESIGN\PROJECTS\11944\TRAFFIC\2022\ELECTRICAL 5-16-2021 - TS.DWG
LAYOUT NAME - 5400-00-73 SHEET 2

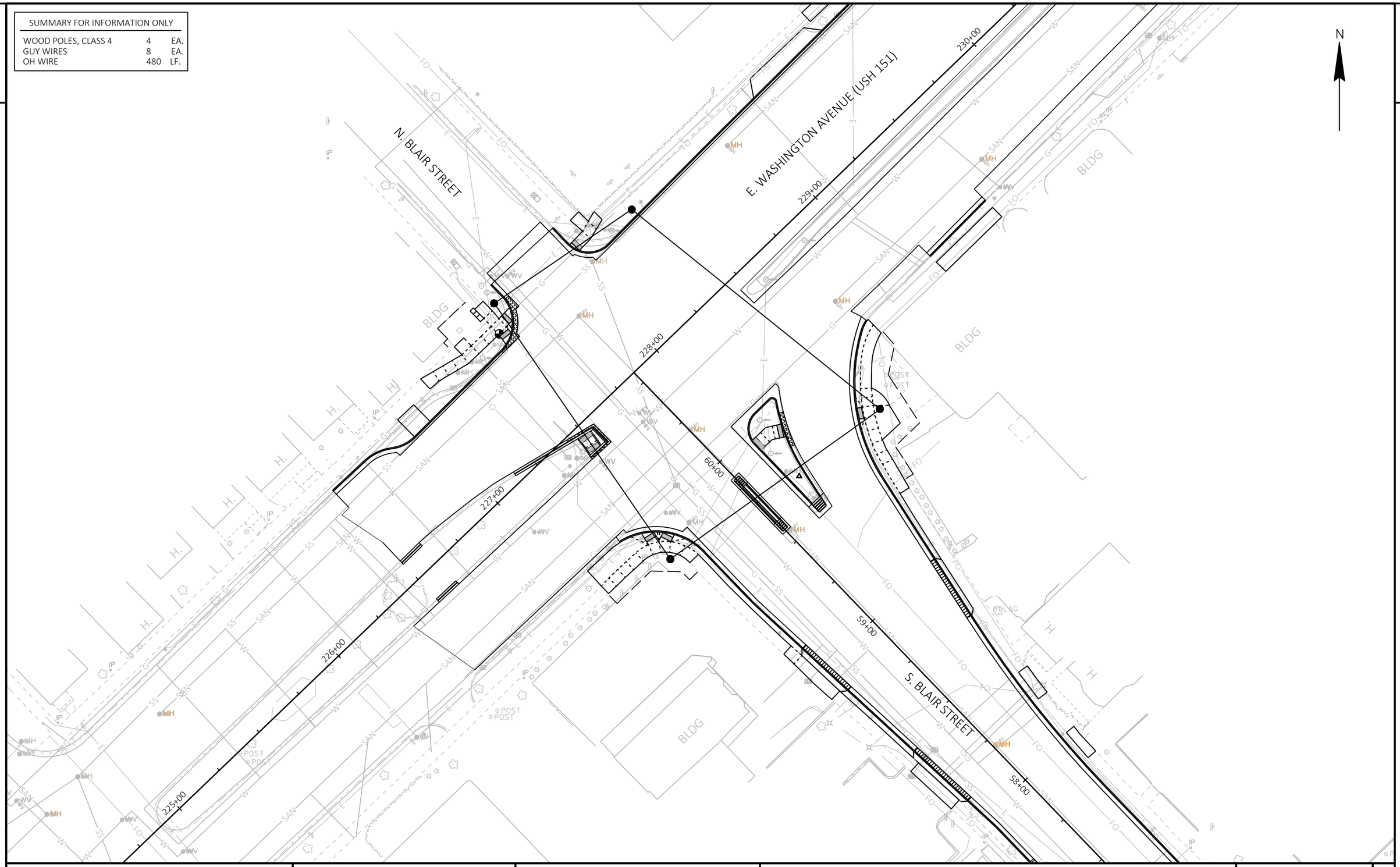
PLOT DATE : 7/30/2021 9:31 AM PLOT BY : AVILES PINEIRO, GRETCHEN PLOT NAME : PLOT SCALE : 1" = 40'

2

SUMMARY FOR INFORMATION ONLY		
WOOD POLES, CLASS 4	4	EA.
GUY WIRES	8	EA.
OH WIRE	480	LF.

N

2



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	TEMPORARY TRAFFIC SIGNAL LAYOUT	SHEET 64	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\024101-ST.DWG
LAYOUT NAME - 024101_st

PLOT DATE : 5/27/2021 1:01 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

1	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
3	MARKING LINE EPOXY 8-INCH (WHITE)
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
5	MARKING STOP LINE EPOXY 24-INCH (WHITE)
6	MARKING WORD EPOXY (WHITE)
7	MARKING ARROW EPOXY (WHITE)
8	MARKING LINE EPOXY 4-INCH (WHITE)
9	MARKING ISLAND NOSE EPOXY
10	MARKING CURB EPOXY
11	MARKING LINE EPOXY 8-INCH (WHITE SKIP 2' SEG., 6' GAP)
12	MARKING LINE EPOXY 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)
13	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3' SEG., 9' GAP)
14	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2' SEG., 6' GAP)
15	MARKING RAILROAD CROSSING EPOXY
16	MARKING SYMBOL EPOXY (WHITE)
17	MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
18	MARKING YIELD LINE EPOXY 30-INCH (WHITE)

N

WILSON STREET

WILLIAMSON STREET

WISCONSIN & SOUTHERN RAILROAD

RAILROAD STREET

BLDG

47+00

48+00

49+00

50+00

51+00

52+00

53+00

+90

+50

+06

+29

+53

+25

BEGIN PROJECT
STA 50+39.35
MATCH ID 5400-00-72

USH 151 (SOUTH BLAIR STREET)

MATCHLINE 53+50

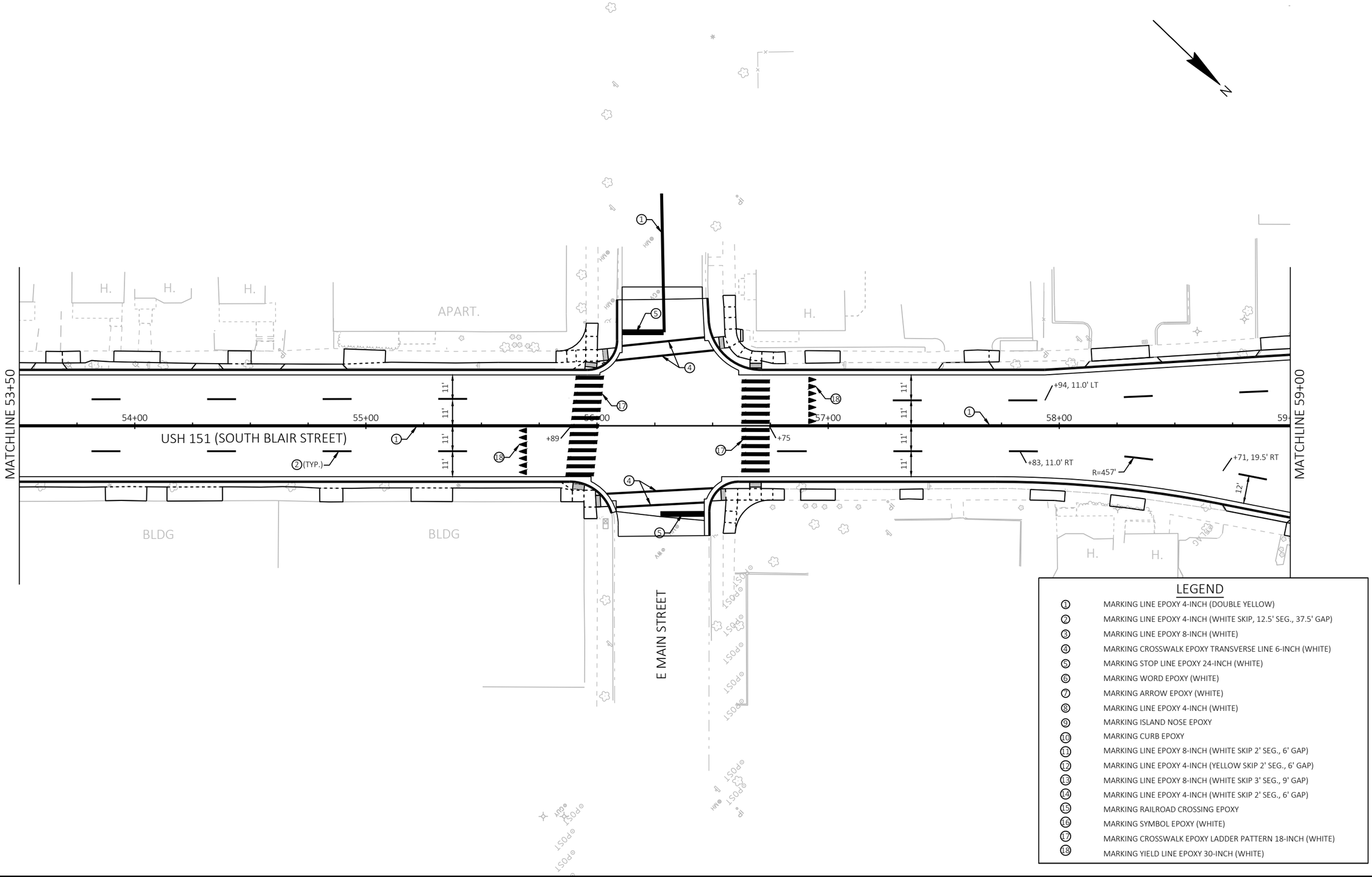
11'

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET 65	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-pm

PLOT DATE : 7/27/2021 4:50 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

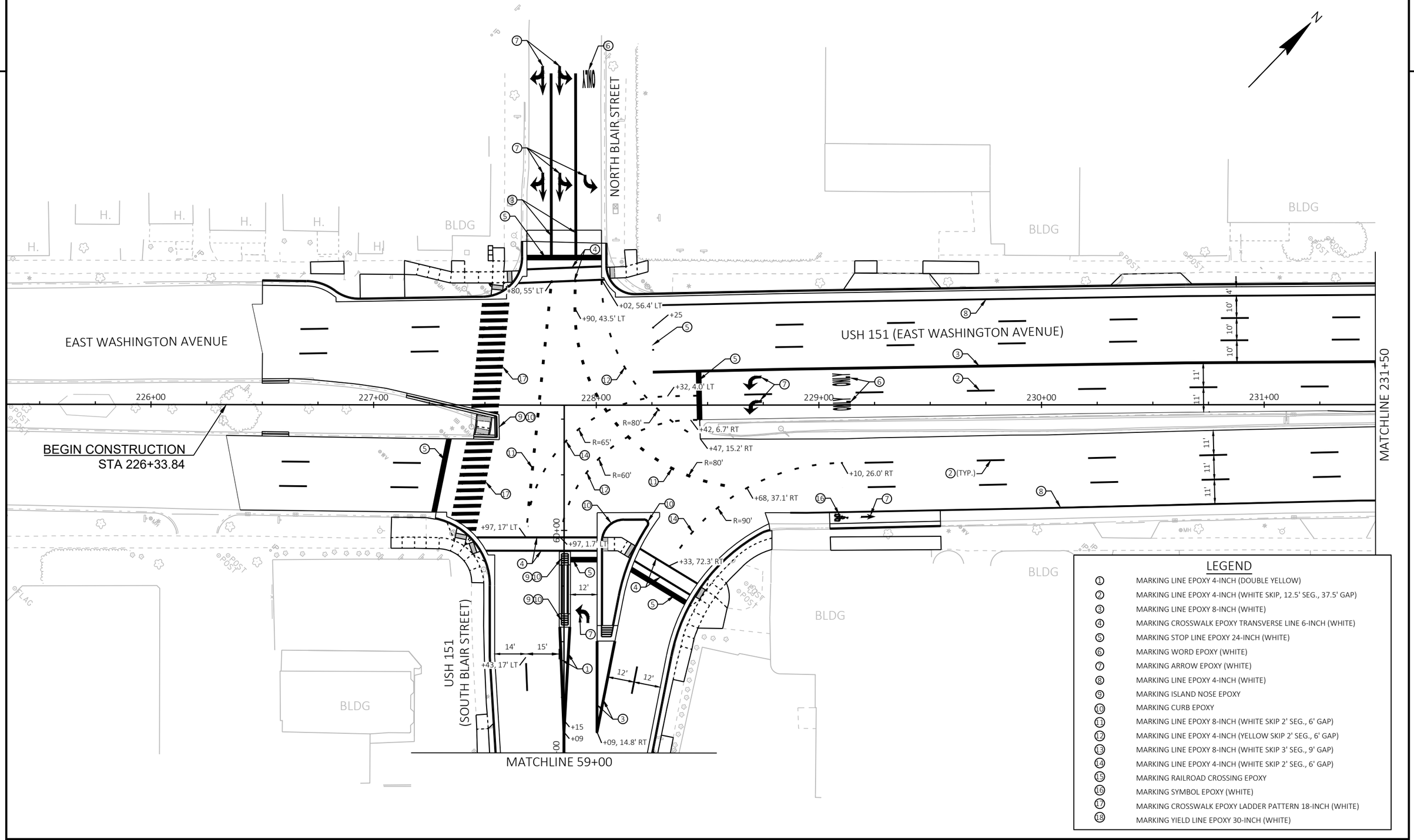
1	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
3	MARKING LINE EPOXY 8-INCH (WHITE)
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
5	MARKING STOP LINE EPOXY 24-INCH (WHITE)
6	MARKING WORD EPOXY (WHITE)
7	MARKING ARROW EPOXY (WHITE)
8	MARKING LINE EPOXY 4-INCH (WHITE)
9	MARKING ISLAND NOSE EPOXY
10	MARKING CURB EPOXY
11	MARKING LINE EPOXY 8-INCH (WHITE SKIP 2' SEG., 6' GAP)
12	MARKING LINE EPOXY 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)
13	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3' SEG., 9' GAP)
14	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2' SEG., 6' GAP)
15	MARKING RAILROAD CROSSING EPOXY
16	MARKING SYMBOL EPOXY (WHITE)
17	MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
18	MARKING YIELD LINE EPOXY 30-INCH (WHITE)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET 66	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024502-pm

PLOT DATE : 7/27/2021 4:50 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

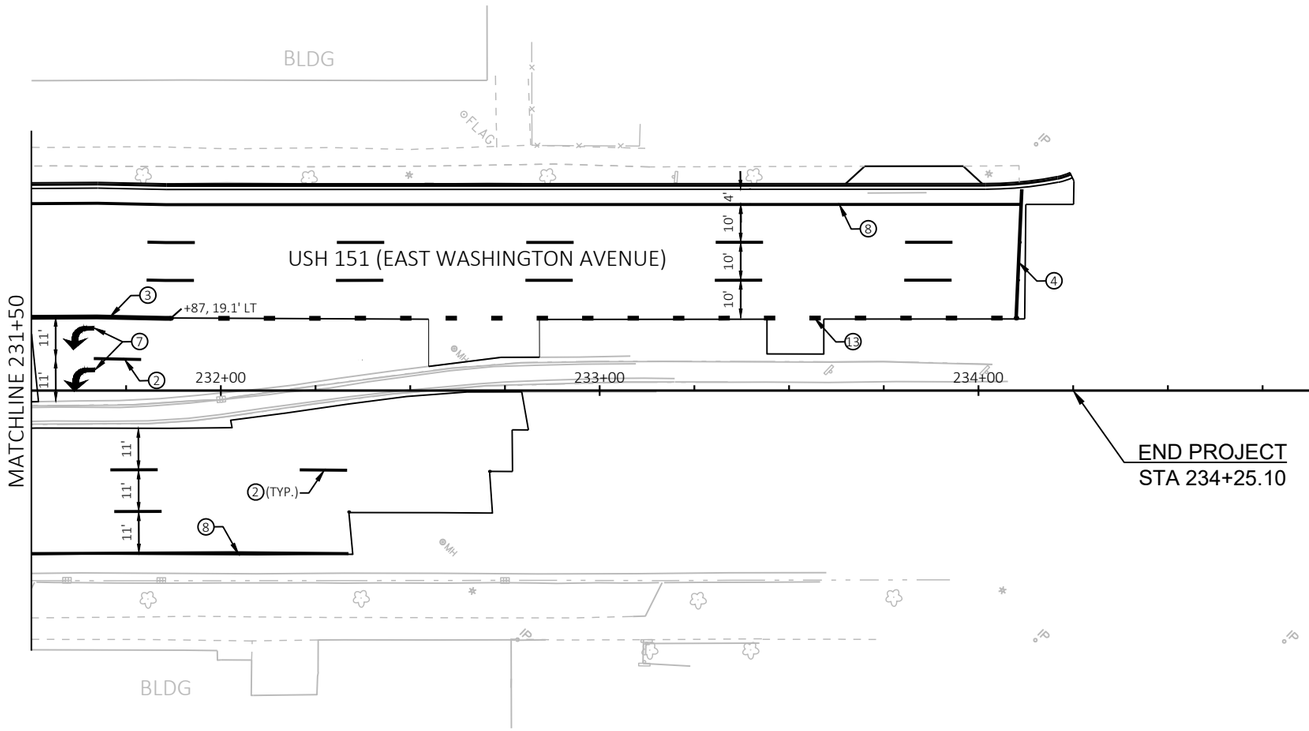
1	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
3	MARKING LINE EPOXY 8-INCH (WHITE)
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
5	MARKING STOP LINE EPOXY 24-INCH (WHITE)
6	MARKING WORD EPOXY (WHITE)
7	MARKING ARROW EPOXY (WHITE)
8	MARKING LINE EPOXY 4-INCH (WHITE)
9	MARKING ISLAND NOSE EPOXY
10	MARKING CURB EPOXY
11	MARKING LINE EPOXY 8-INCH (WHITE SKIP 2' SEG., 6' GAP)
12	MARKING LINE EPOXY 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)
13	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3' SEG., 9' GAP)
14	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2' SEG., 6' GAP)
15	MARKING RAILROAD CROSSING EPOXY
16	MARKING SYMBOL EPOXY (WHITE)
17	MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
18	MARKING YIELD LINE EPOXY 30-INCH (WHITE)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	PAVEMENT MARKING	SHEET 67	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024503-pm

PLOT DATE : 7/27/2021 4:50 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

1	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2	MARKING LINE EPOXY 4-INCH (WHITE SKIP, 12.5' SEG., 37.5' GAP)
3	MARKING LINE EPOXY 8-INCH (WHITE)
4	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
5	MARKING STOP LINE EPOXY 24-INCH (WHITE)
6	MARKING WORD EPOXY (WHITE)
7	MARKING ARROW EPOXY (WHITE)
8	MARKING LINE EPOXY 4-INCH (WHITE)
9	MARKING ISLAND NOSE EPOXY
10	MARKING CURB EPOXY
11	MARKING LINE EPOXY 8-INCH (WHITE SKIP 2' SEG., 6' GAP)
12	MARKING LINE EPOXY 4-INCH (YELLOW SKIP 2' SEG., 6' GAP)
13	MARKING LINE EPOXY 8-INCH (WHITE SKIP 3' SEG., 9' GAP)
14	MARKING LINE EPOXY 4-INCH (WHITE SKIP 2' SEG., 6' GAP)
15	MARKING RAILROAD CROSSING EPOXY
16	MARKING SYMBOL EPOXY (WHITE)
17	MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH (WHITE)
18	MARKING YIELD LINE EPOXY 30-INCH (WHITE)

TRAFFIC CONTROL LEGEND

- TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE
- TEMPORARY PAVEMENT TO BE USED IN FUTURE STAGES
- WORK ZONE
- AREA MAINTAINED WITH BASE AGGREGATE DENSE 1 1/4-INCH FOR TURNING VEHICLES
- XXXXX SAWING CONCRETE
- SAWING ASPHALT
- TEMPORARY PEDESTRIAN BARRICADE
- CONTRASTING DETECABLE WARNING FIELD (PAID FOR AS TEMPORARY PEDESTRIAN CURB RAMP)
- TEMPORARY PEDESTRIAN CURB RAMP
- TRAFFIC CONTROL DRUMS (WITH/WITHOUT LIGHT, TYPE C)
- FLEXIBLE TUBULAR MARKER POSTS & BASES
- SIGN MOUNTED ON POST
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH SIGN (TWO WARNING LIGHTS TYPE A REQ'D)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D)
- MARKING REMOVAL
- TRAFFIC FLOW ARROW
- ARROW BOARD

PAVEMENT MARKING LEGEND

- MARKING REMOVAL
- TEMPORARY MARKING REMOVABLE MASK OUT TAPE
- (4W) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (4Y) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (4DY) TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- (8W) TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
- (SL-18) TEMPORARY MARKING STOP LINE PAINT 18-INCH
- (RT-4W) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (RT-4Y) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (RCT-4W) TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
- (RT-DI-12W) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
- (RT-DI-12Y) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
- (RT-4DY) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- (RT-8W) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (RCT-8W) TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
- (RT-SL-18) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
- (PERM.) PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL NOTES

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

DETAILS OF TRAFFIC CONTROL NOT SHOWN ON THE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

DO NOT PLACE TRAFFIC CONTROL DEVICES OR MARKINGS ON OR ACROSS A RAILROAD CROSSING SURFACE OR TRACK.

SEE THE PEDESTRIAN ROUTING PLAN SHEETS FOR SIDEWALK AND PATH RELATED SIGNAGE DURING CONSTRUCTION.

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

REMOVE OR COVER ANY SIGNS, TEMPORARY OR EXISTING, THAT CONFLICT WITH TRAFFIC CONTROL "IN-USE" AS APPROVED BY THE ENGINEER.

USE ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC. SIGNS AS NEEDED AND REMOVE OR COVER THEM WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

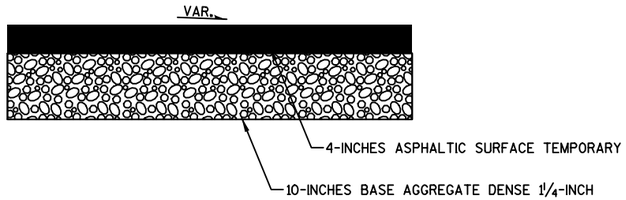
SIGNS DESIGNATED AS "WO" ARE THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC/STAGING REQUIREMENTS. MAINTAIN LOCAL ACCESS AT ALL TIMES.

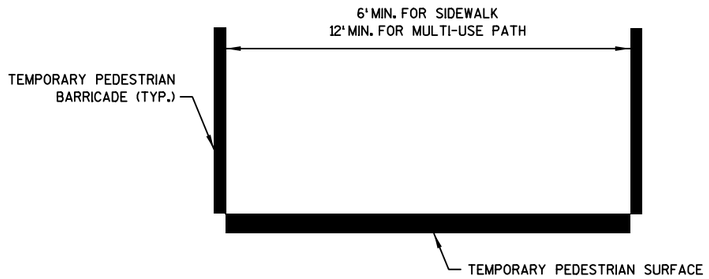
REMOVE PAVEMENT MARKING THAT CONFLICTS WITH TRAFFIC CONTROL "IN-USE" AS DIRECTED BY THE ENGINEER.

ALL TRAFFIC CONTROL DRUM AND TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS/BASES SPACING IS 25' ALONG TRAVEL LANES, UNLESS OTHERWISE NOTED. SPACING IS 10' AT INTERSECTIONS ALONG TURNING MOVEMENTS OR OTHER ACCESS POINTS.

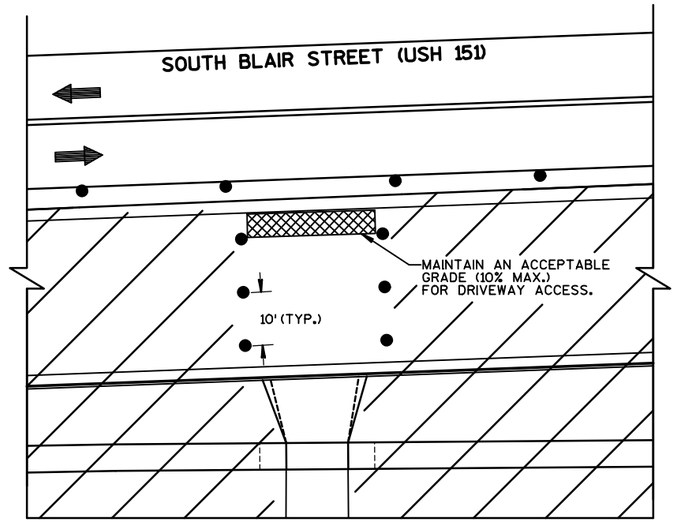
FOR SIDEWALK CLOSURES USE STANDARD DETAIL DRAWINGS "TRAFFIC CONTROL, PEDESTRIAN ACCOMODATION"



TEMPORARY ASPHALTIC PAVEMENT STRUCTURE



MINIMUM CLEAR WIDTHS BETWEEN TEMPORARY PEDESTRIAN BARRICADE



MAINTAIN ACCESS PER THE SPECIAL PROVISONS

TEMPORARY ACCESS TO DRIVEWAY DETAIL - ALL CONSTRUCTION STAGES *

* DETAIL MIRRORED AS NEEDED TO MATCH APPLICABLE CONSTRUCTION STAGE.

2

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10 24" X 12"

*③ PATH CLOSED — R9-9(MOD) 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD) 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD) 24" X 12"

*⑥ END DETOUR — M4-8A 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA 30" X 24"

*⑧ DETOUR — M4-9-A-L 30" X 24"

*⑨ DETOUR — M4-9-A-R 30" X 24"

*⑩ DETOUR — M4-9-A(MOD) 30" X 24"

*⑪ DETOUR — M4-9-A(MOD) 30" X 24"

*⑫ DETOUR — M4-9-A(MOD) 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.) 18" X 18"

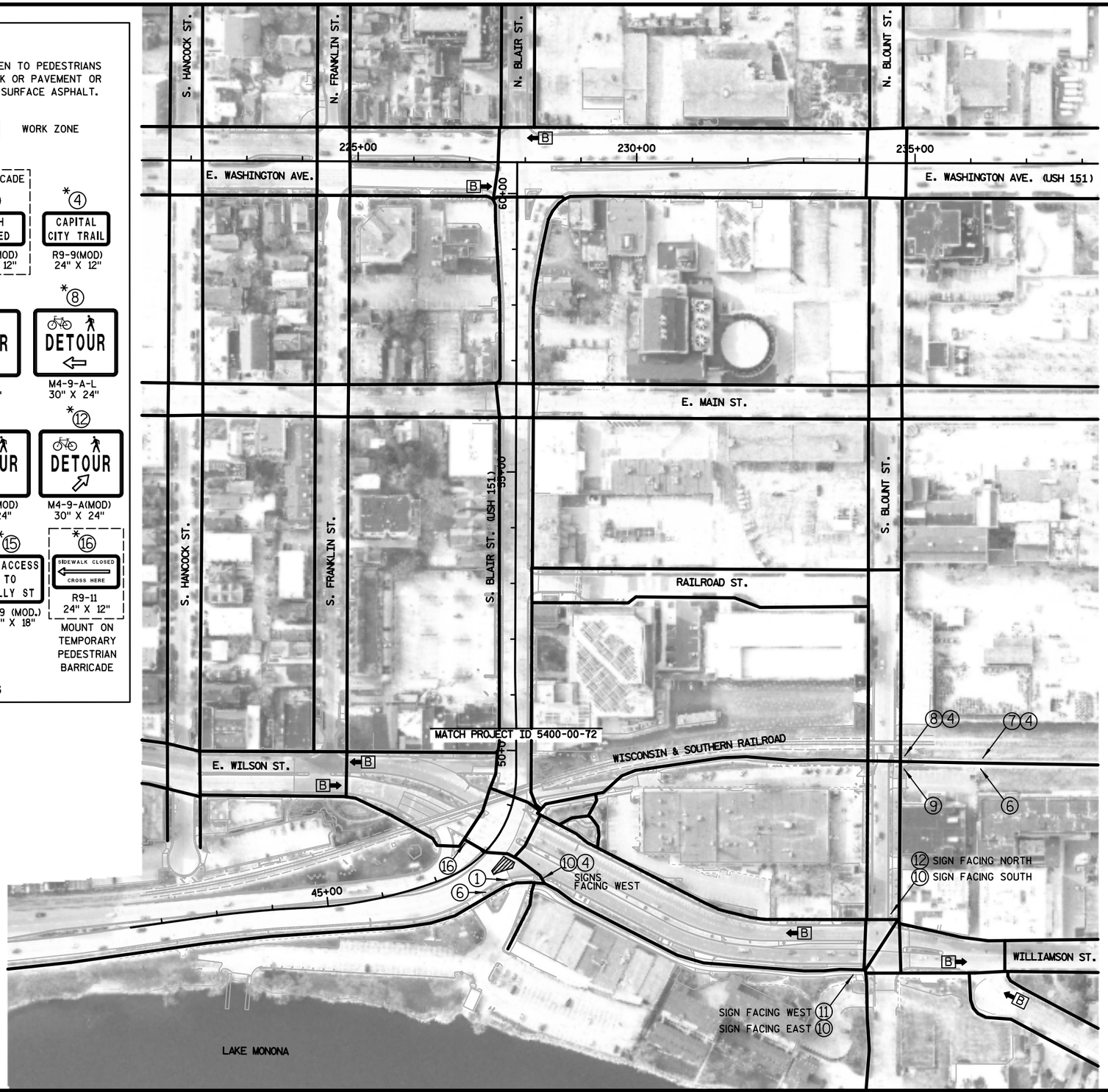
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.) 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.) 24" X 18"

*⑯ SIDEWALK CLOSED CROSS HERE — R9-11 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025001_s1A_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR ← — M4-9-A-L, 30" X 24"

*9 DETOUR → — M4-9-A-R, 30" X 24"

*10 DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*11 DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*12 DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

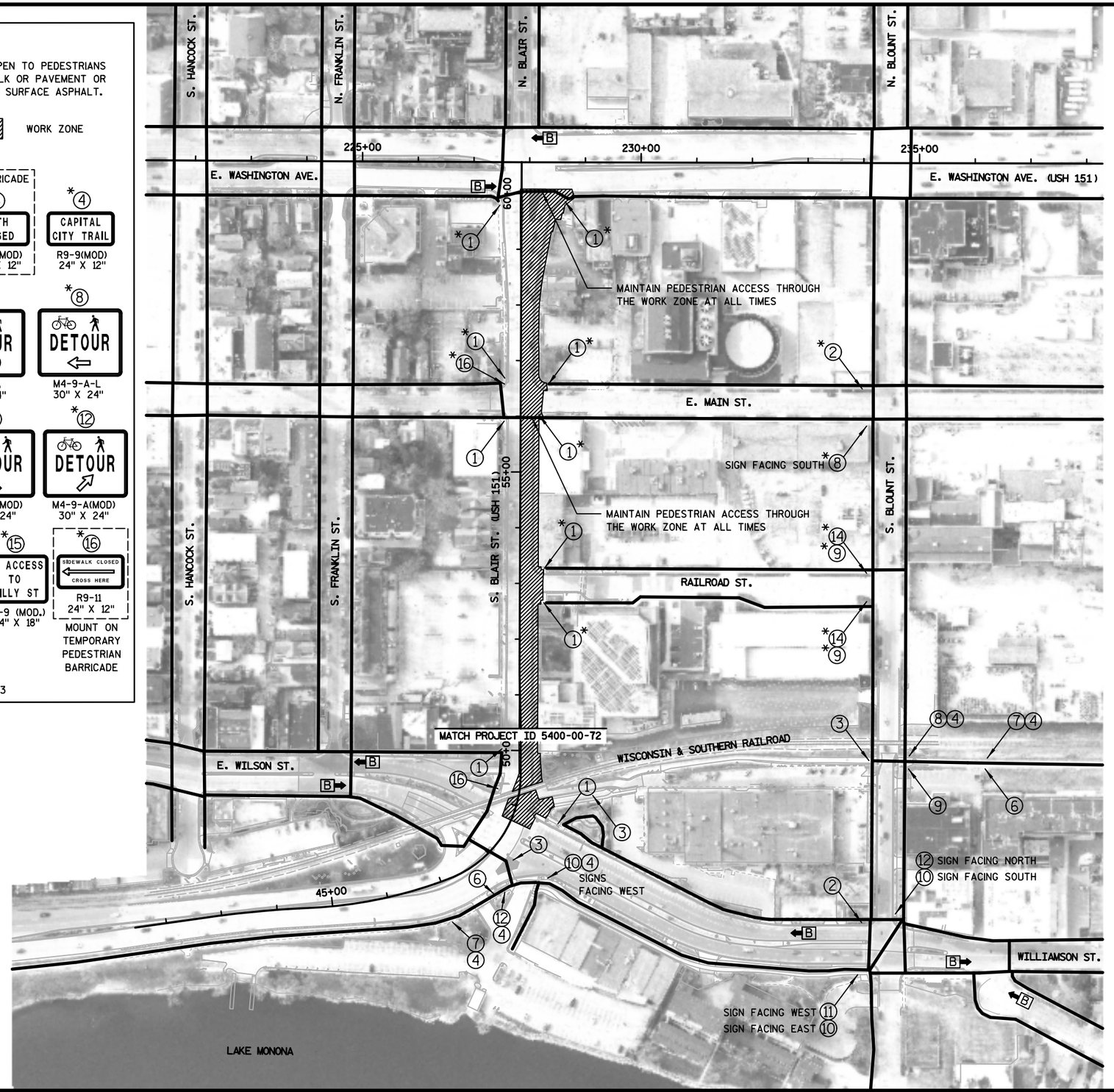
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1B, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025002_s1B_Phase 1_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR ← — M4-9-A-L, 30" X 24"

*9 DETOUR → — M4-9-A-R, 30" X 24"

*10 DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*11 DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*12 DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

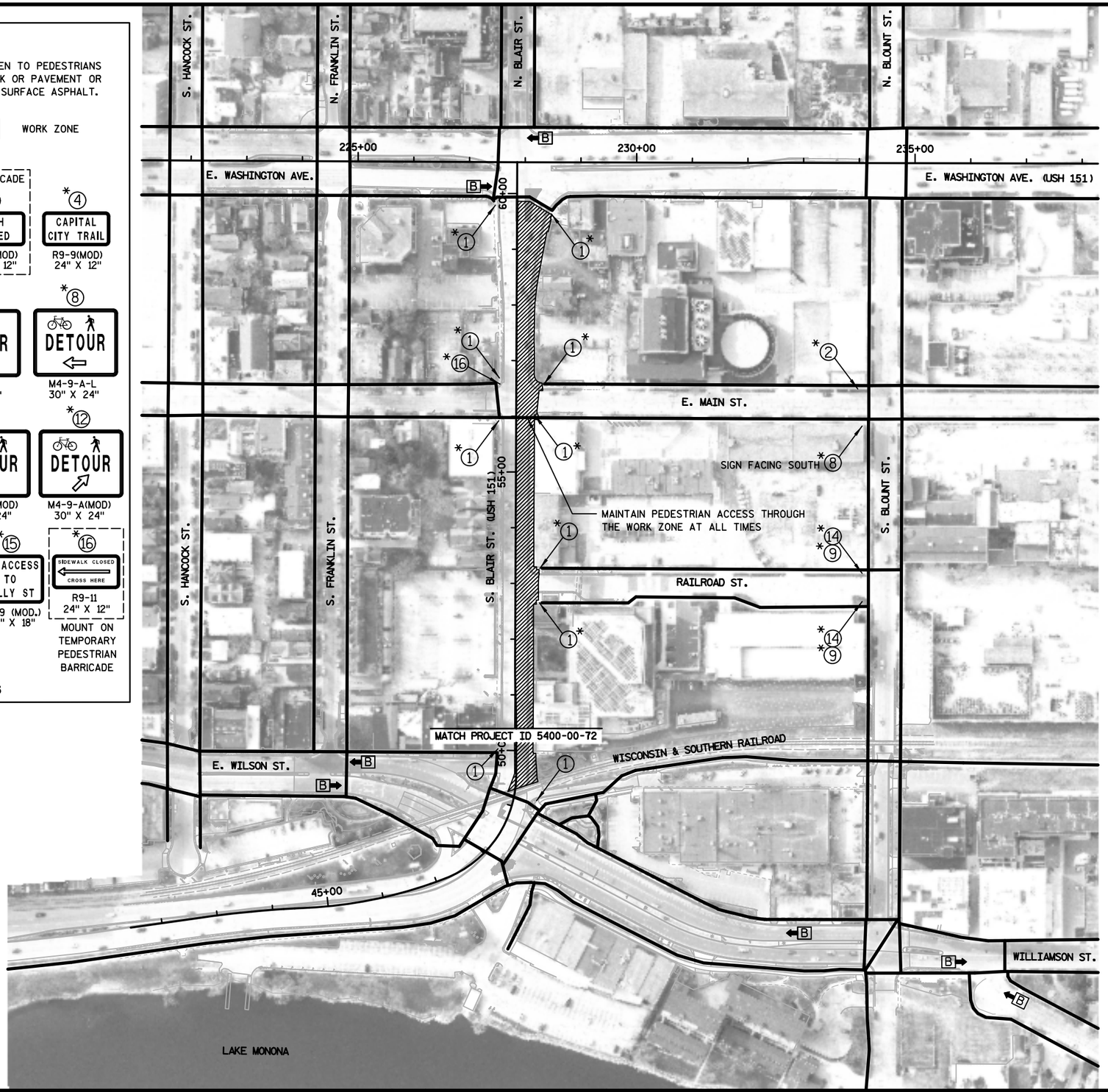
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1B, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025003a_s1B_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR ← — M4-9-A-L, 30" X 24"

*9 DETOUR → — M4-9-A-R, 30" X 24"

*10 DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*11 DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*12 DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

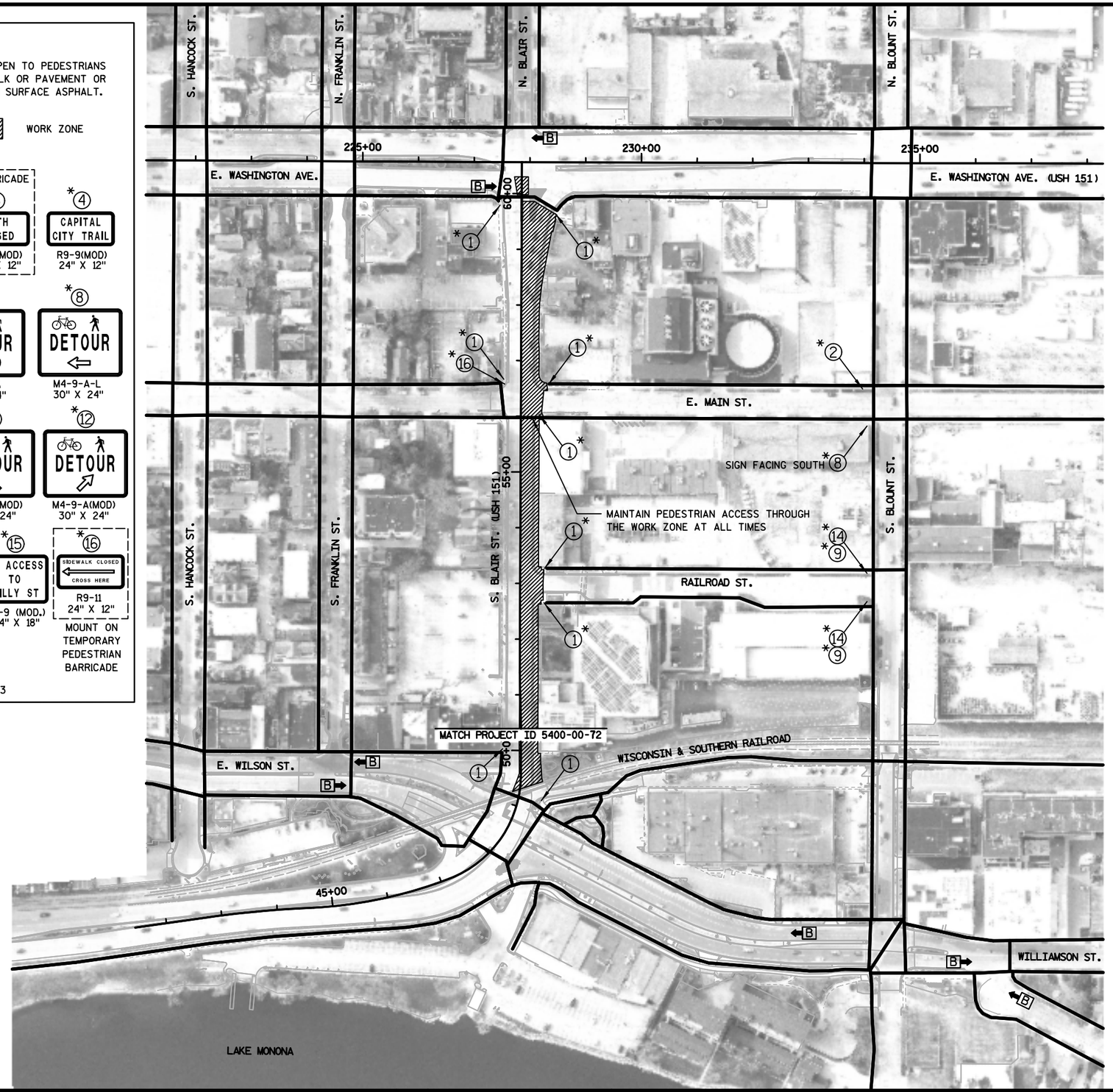
*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12"

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1B, PHASE 3 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025003b_s1B_Phase 3_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

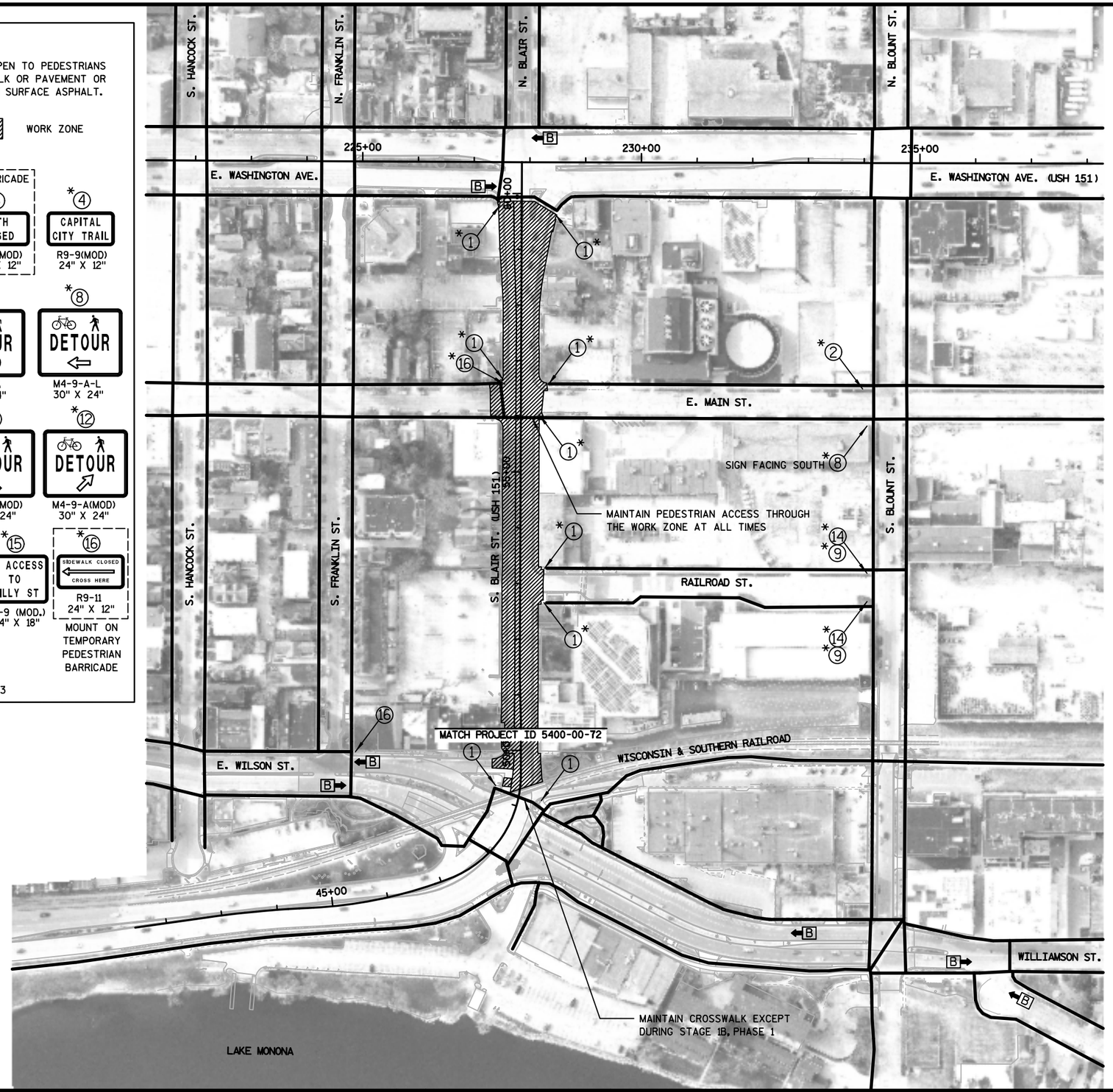
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1B (S. BLAIR ST. CLOSED) PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025003c_b1B_Blair St CLOSED_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

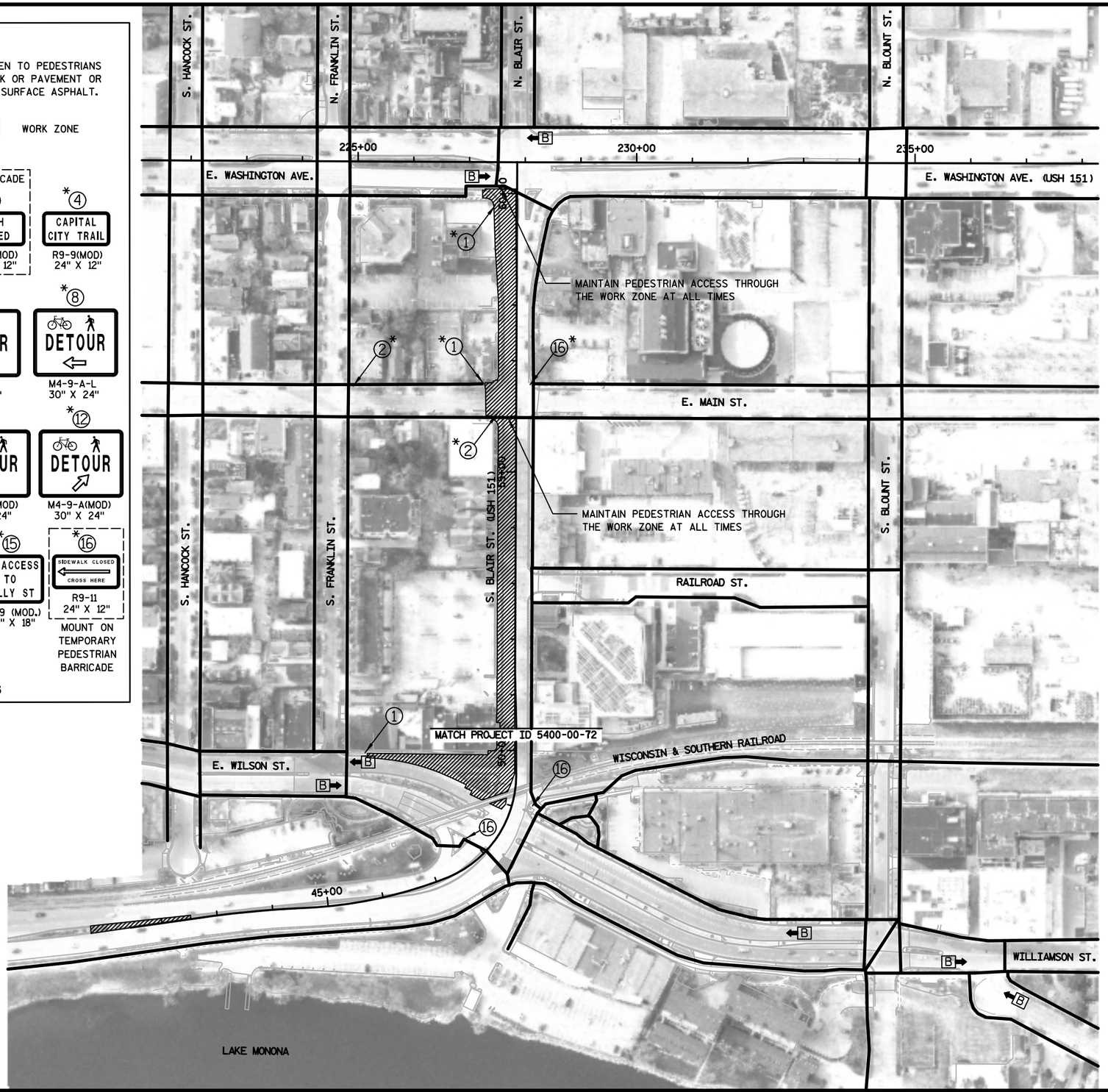
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1C, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025004_s1C_Phase 1_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

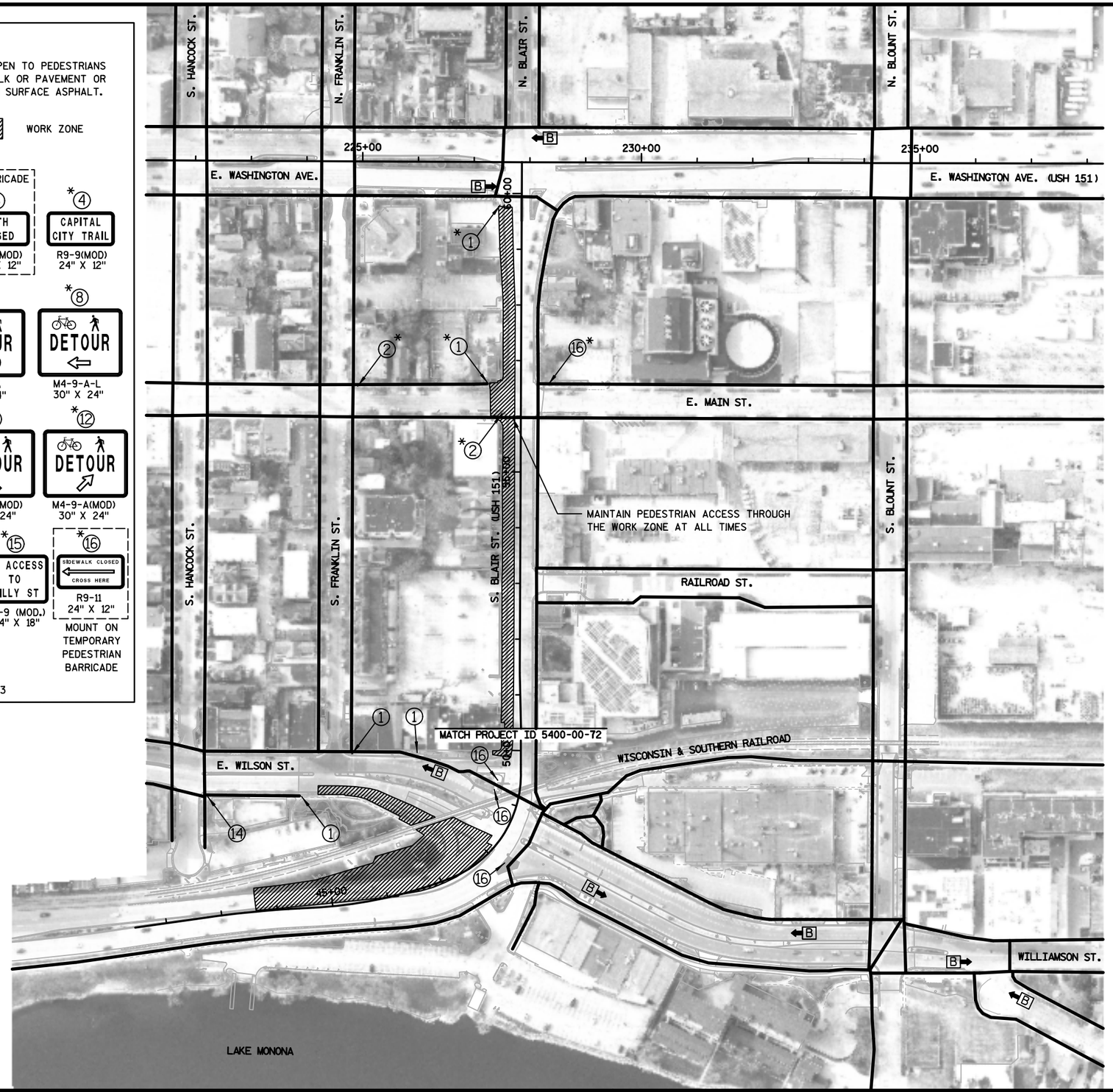
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1C, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025005_s1C_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

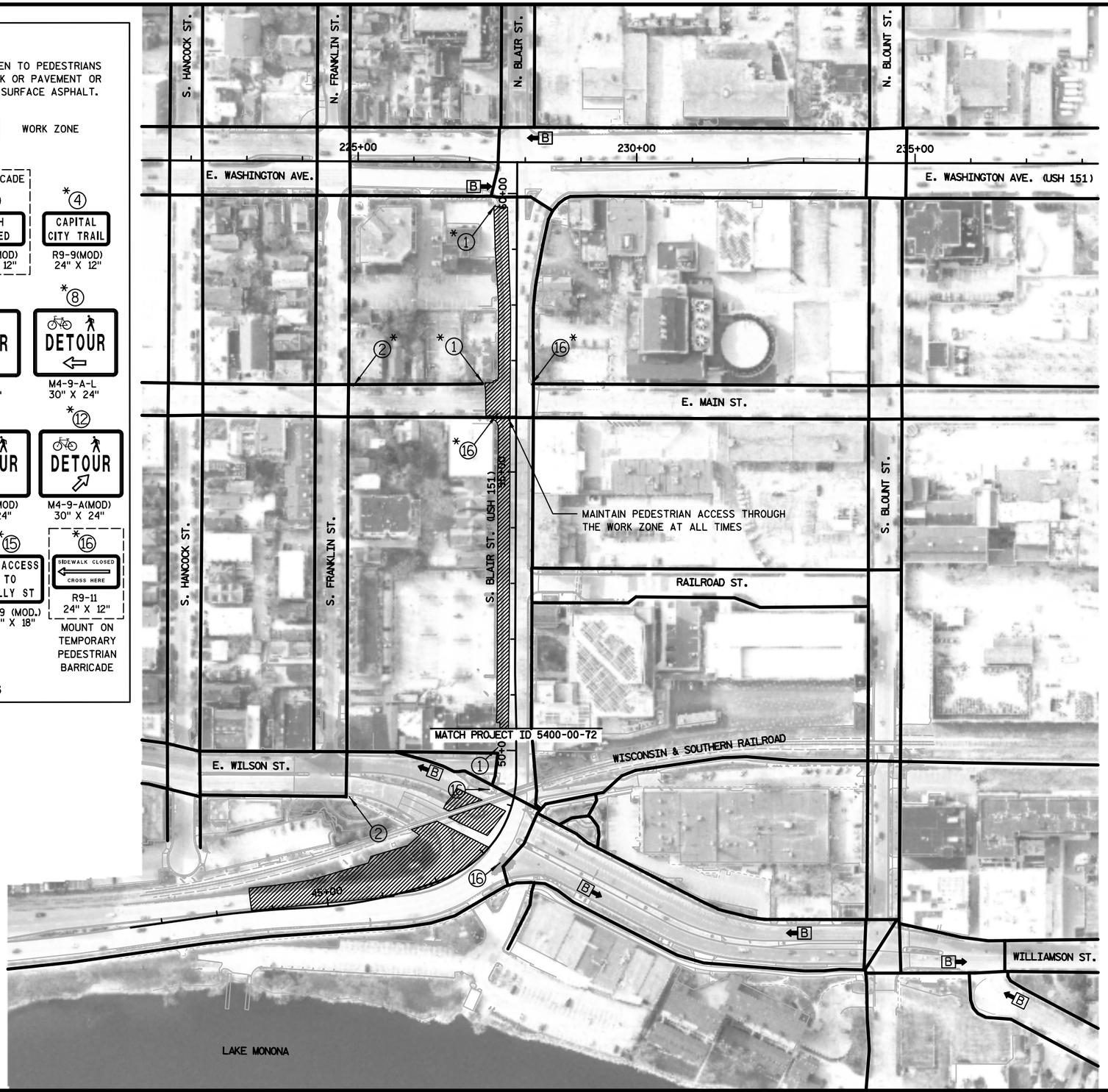
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1C, PHASE 3 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025006_s1C_Phase 3_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

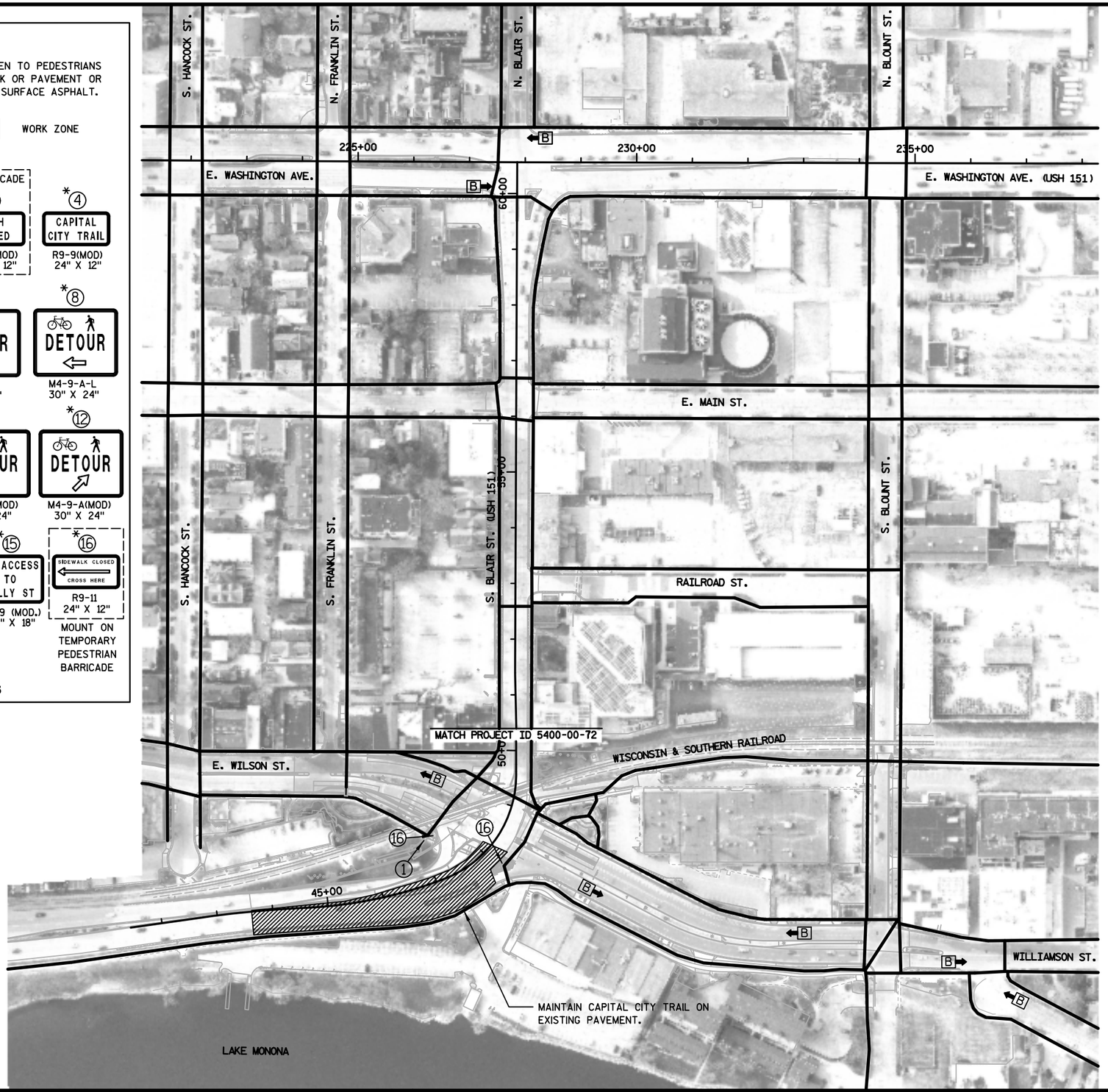
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1D, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025007_s1D_Phase 1_Pedestrian Routing_CAP on Exist.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

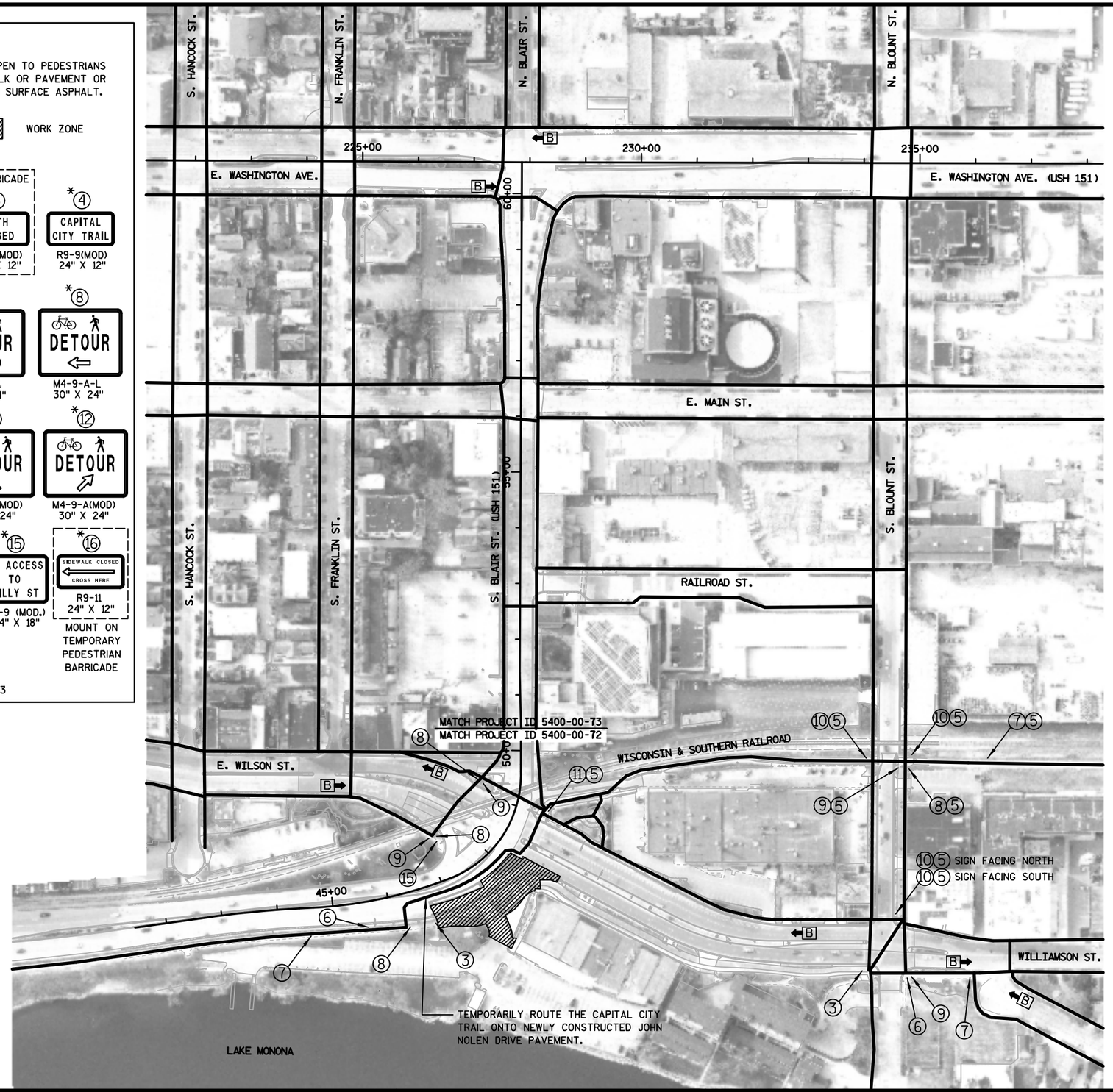
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1D, PHASE 1A PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025007_s1D_Phase 1_Pedestrian Routing_CAP on NB JND.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

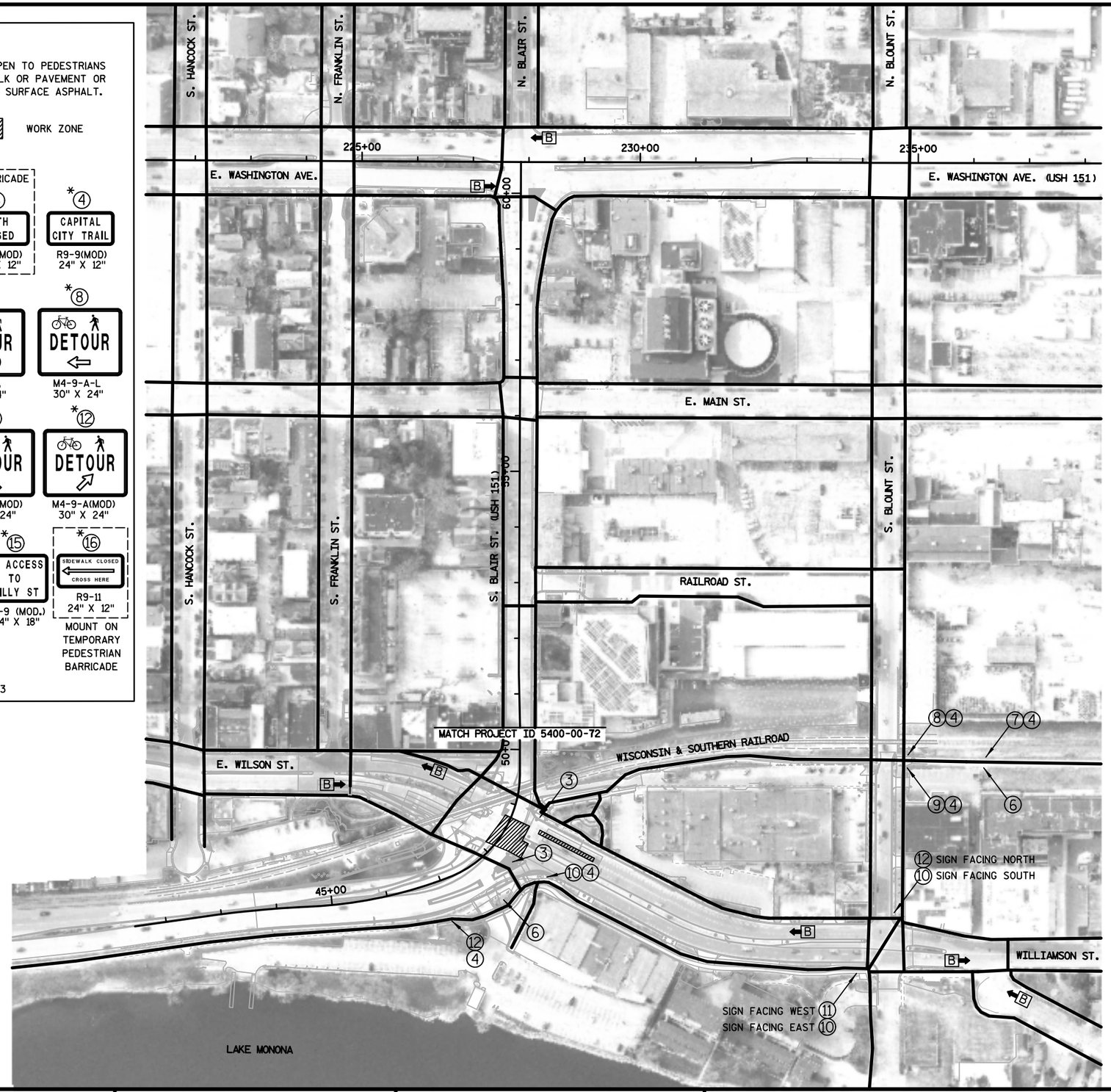
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1D, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025008_s1D_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

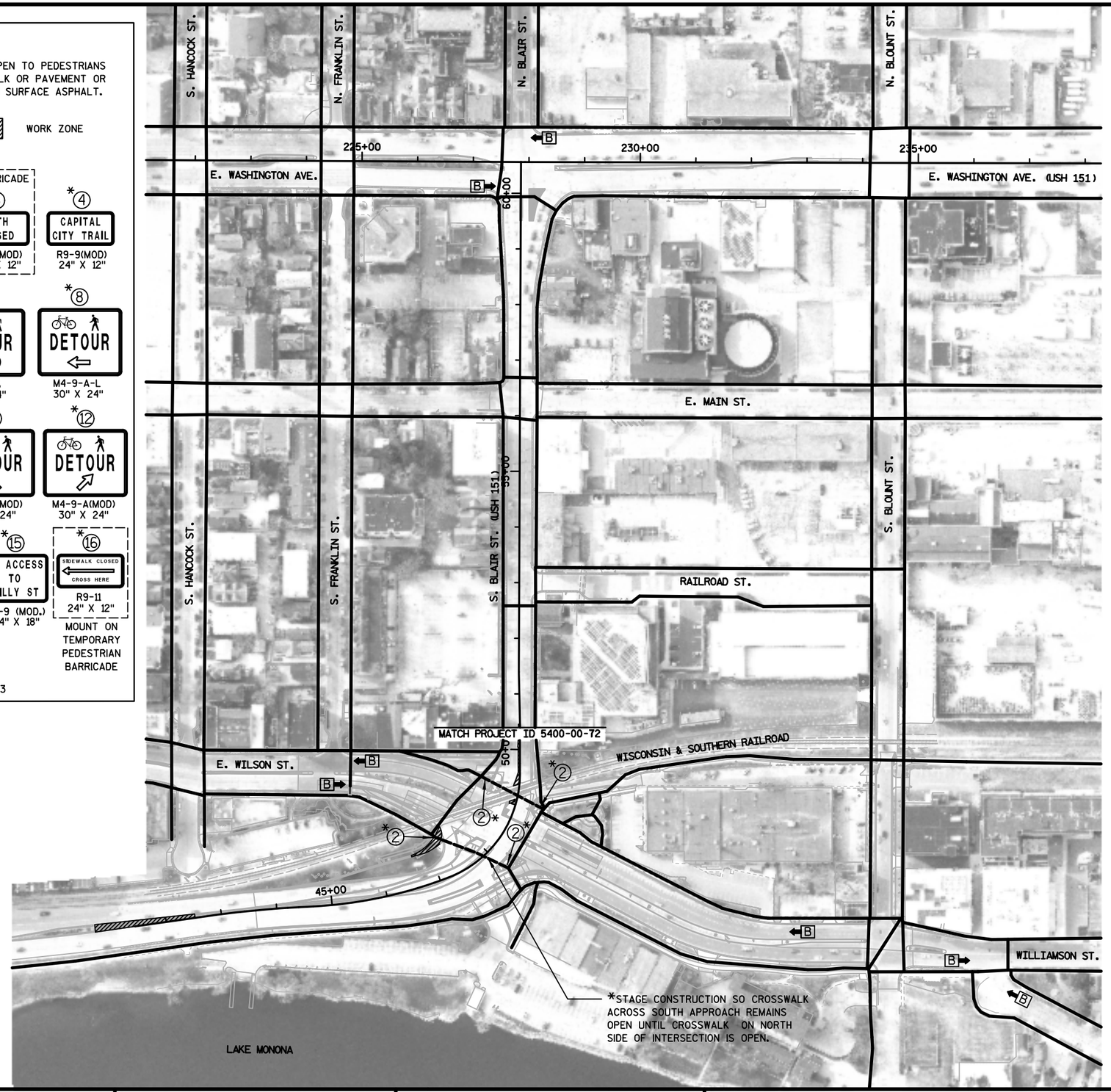
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 1E PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025009_s1E_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR — M4-9-A-L, 30" X 24"

*⑨ DETOUR — M4-9-A-R, 30" X 24"

*⑩ DETOUR — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

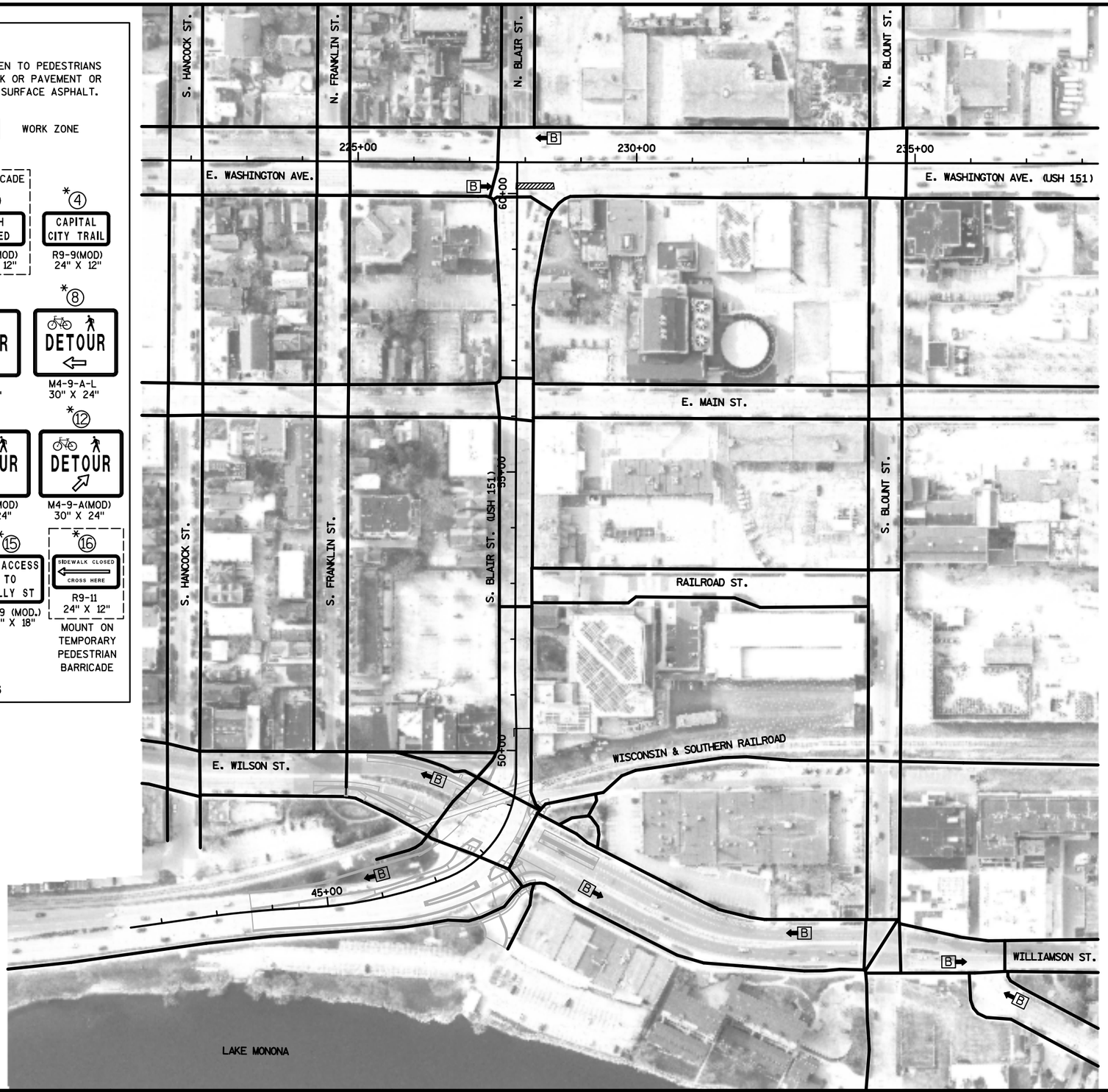
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2A, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025010_s2A_Phase 1_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

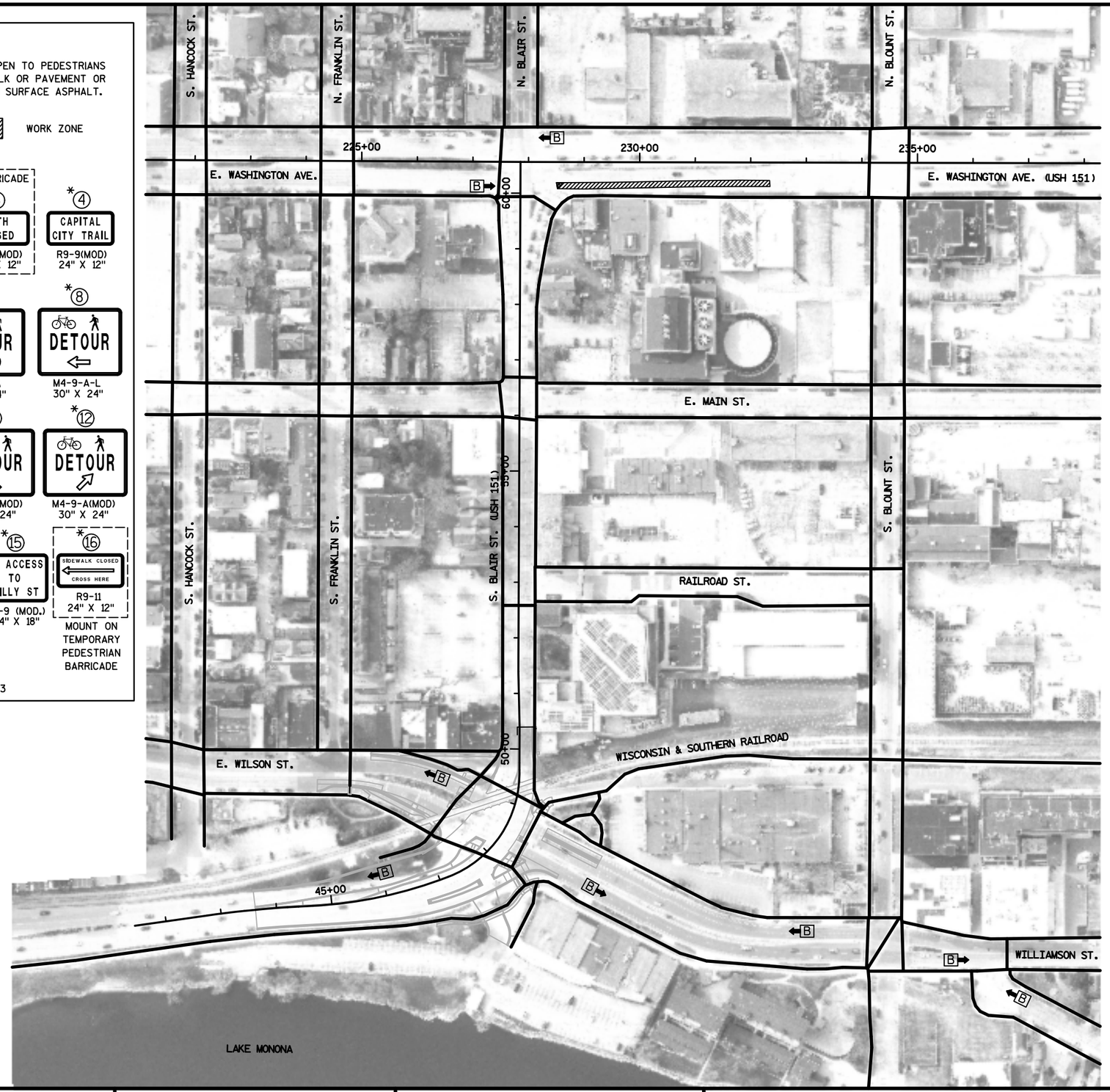
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2A, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025011_s2A_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10 24" X 12"

*3 PATH CLOSED — R9-9(MOD) 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD) 24" X 12"

*5 LAKE LOOP — R9-9(MOD) 24" X 12"

*6 END DETOUR — M4-8A 24" X 18"

*7 DETOUR AHEAD — M4-9AA 30" X 24"

*8 DETOUR — M4-9-A-L 30" X 24"

*9 DETOUR — M4-9-A-R 30" X 24"

*10 DETOUR — M4-9-A(MOD) 30" X 24"

*11 DETOUR — M4-9-A(MOD) 30" X 24"

*12 DETOUR — M4-9-A(MOD) 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.) 18" X 18"

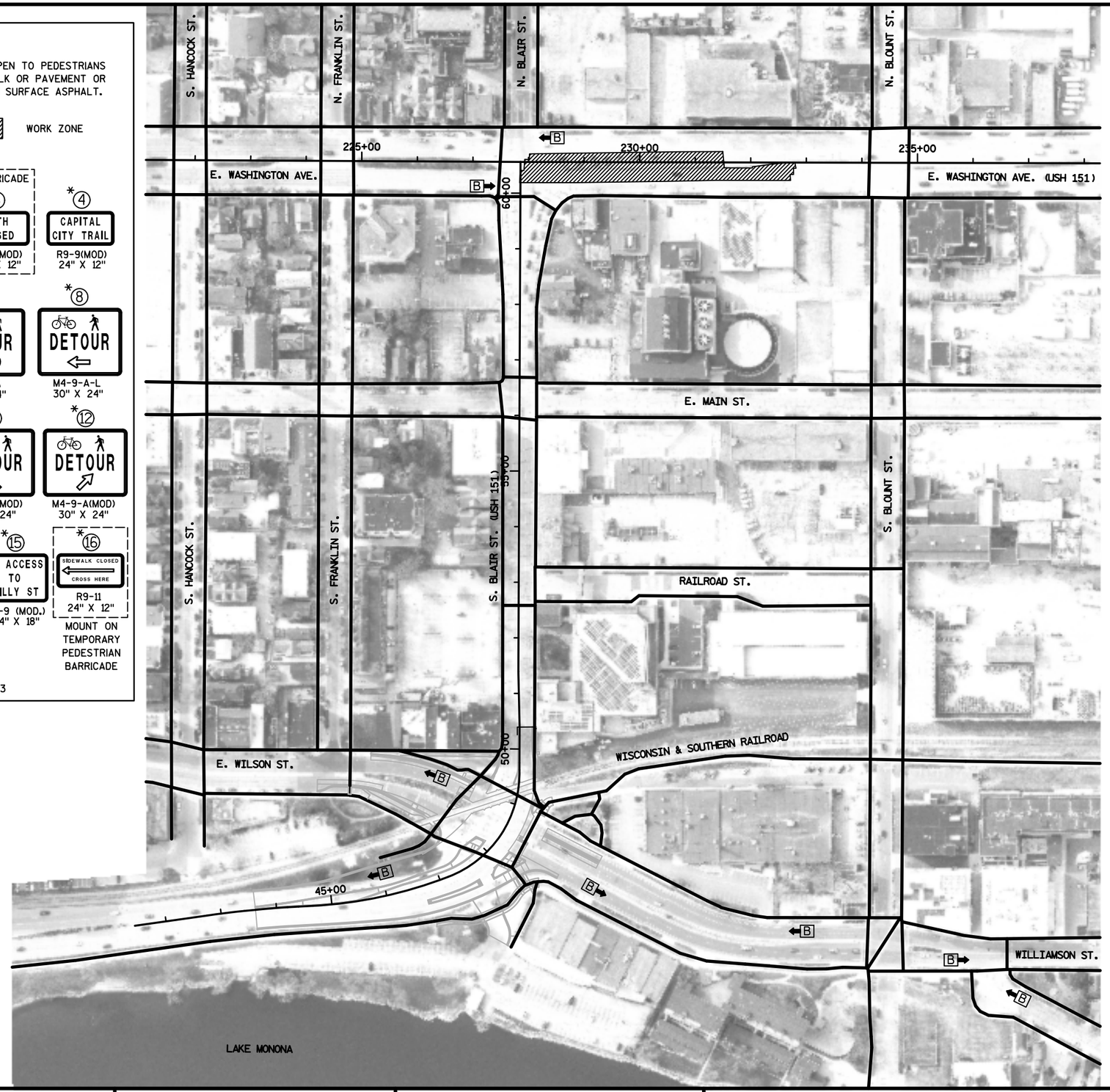
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.) 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.) 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2B PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025012_s2B_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

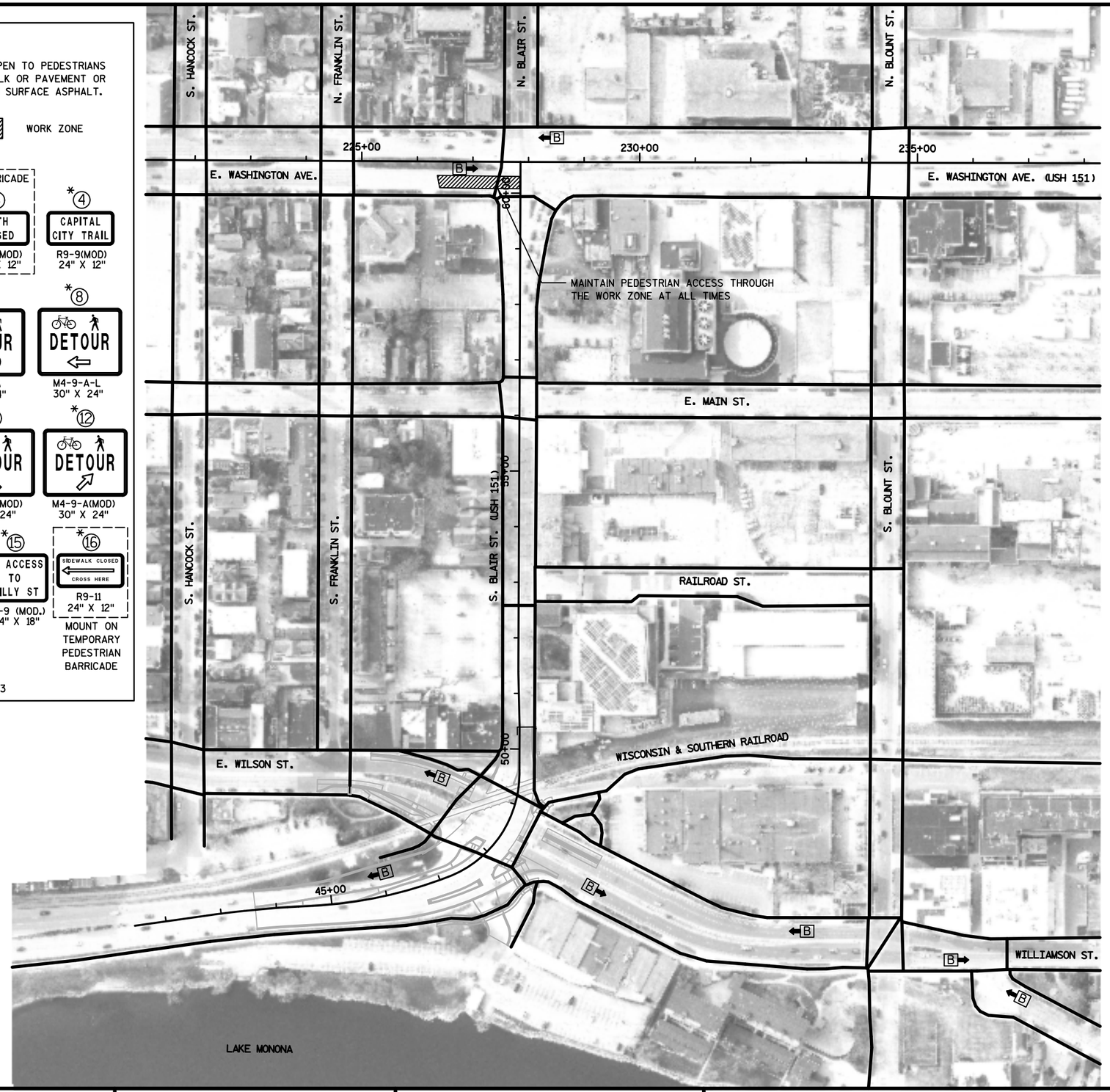
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2C PEDESTRIAN ROUTING OVERVIEW	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025013_s2C_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

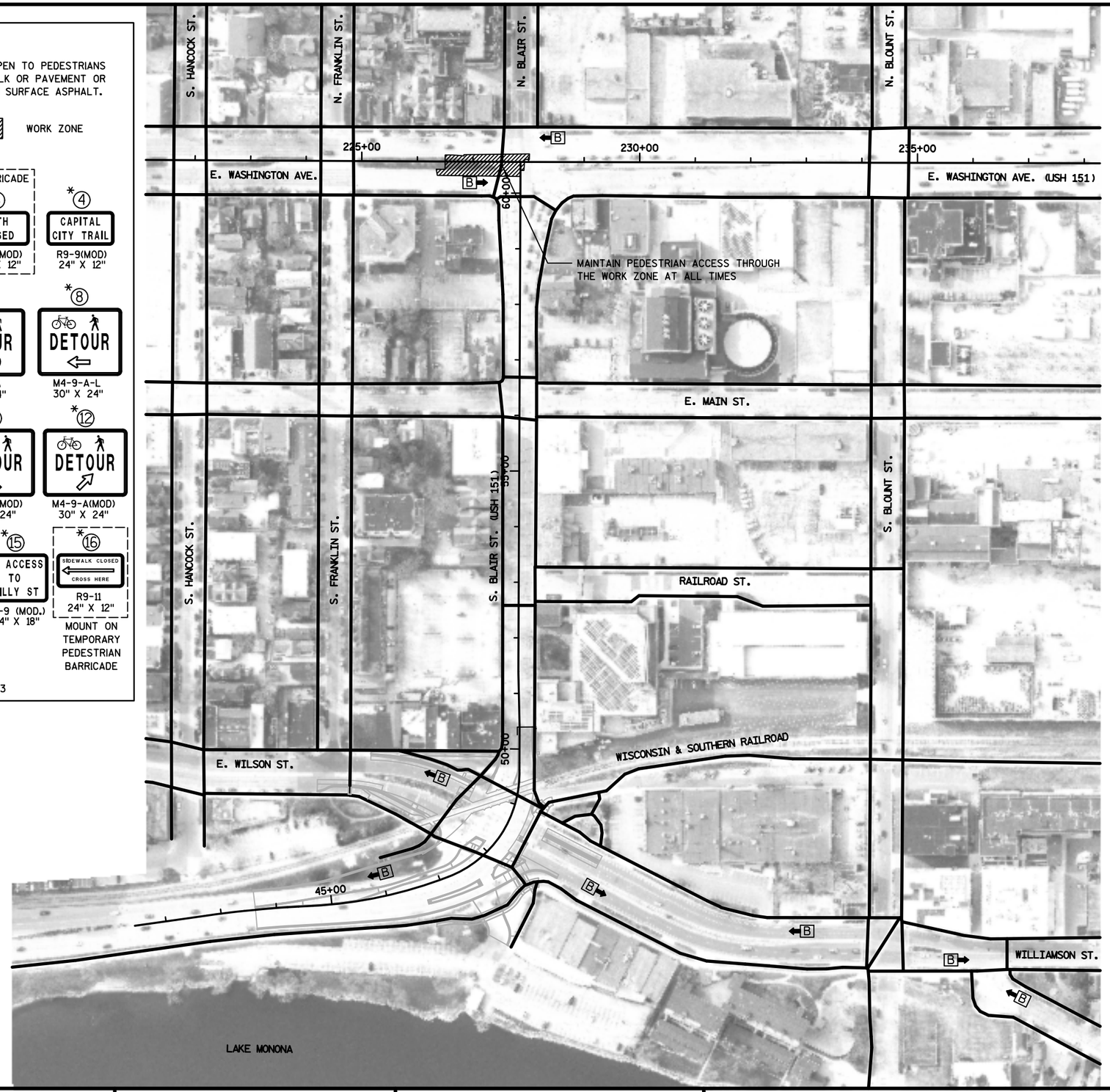
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2D PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025014_s2D_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9, 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*3 PATH CLOSED — R9-9(MOD), 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*5 LAKE LOOP — R9-9(MOD), 24" X 12"

*6 END DETOUR — M4-8A, 24" X 18"

*7 DETOUR AHEAD — M4-9AA, 30" X 24"

*8 DETOUR — M4-9-A-L, 30" X 24"

*9 DETOUR — M4-9-A-R, 30" X 24"

*10 DETOUR — M4-9-A(MOD), 30" X 24"

*11 DETOUR — M4-9-A(MOD), 30" X 24"

*12 DETOUR — M4-9-A(MOD), 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

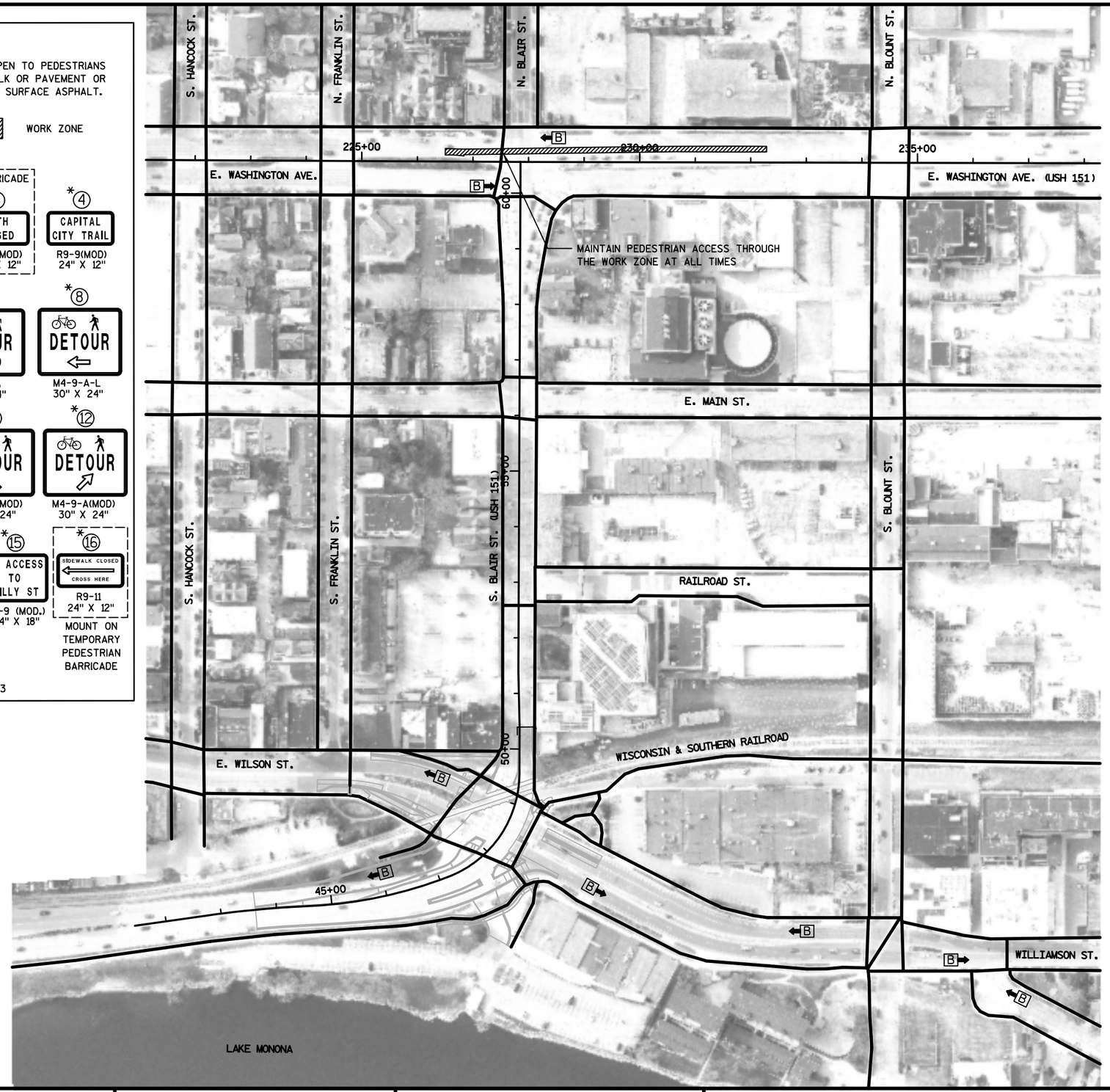
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2E, PHASE 1 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025015_s2E_Phase 1_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B → BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ← — M4-9-A-L, 30" X 24"

*⑨ DETOUR → — M4-9-A-R, 30" X 24"

*⑩ DETOUR ↑ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ↖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ↗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

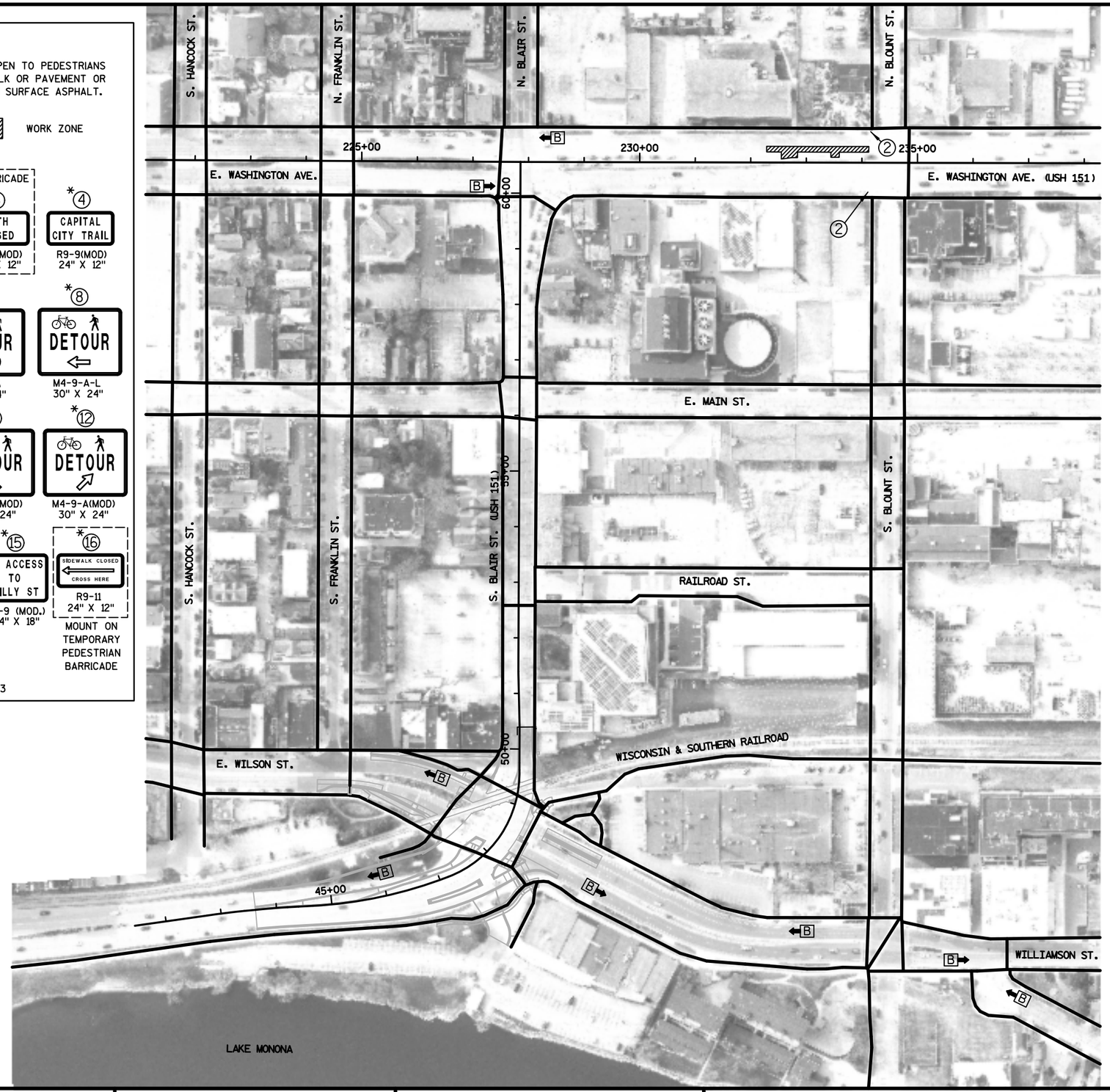
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ← CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2E, PHASE 2 PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025016_s2E_Phase 2_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B BUS STOP

WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*1 SIDEWALK CLOSED — R9-9 24" X 12"

*2 SIDEWALK CLOSED USE OTHER SIDE — R9-10 24" X 12"

*3 PATH CLOSED — R9-9(MOD) 24" X 12"

*4 CAPITAL CITY TRAIL — R9-9(MOD) 24" X 12"

*5 LAKE LOOP — R9-9(MOD) 24" X 12"

*6 END DETOUR — M4-8A 24" X 18"

*7 DETOUR AHEAD — M4-9AA 30" X 24"

*8 DETOUR — M4-9-A-L 30" X 24"

*9 DETOUR — M4-9-A-R 30" X 24"

*10 DETOUR — M4-9-A(MOD) 30" X 24"

*11 DETOUR — M4-9-A(MOD) 30" X 24"

*12 DETOUR — M4-9-A(MOD) 30" X 24"

*13 PATH CLOSED AHEAD — W20-3(MOD.) 18" X 18"

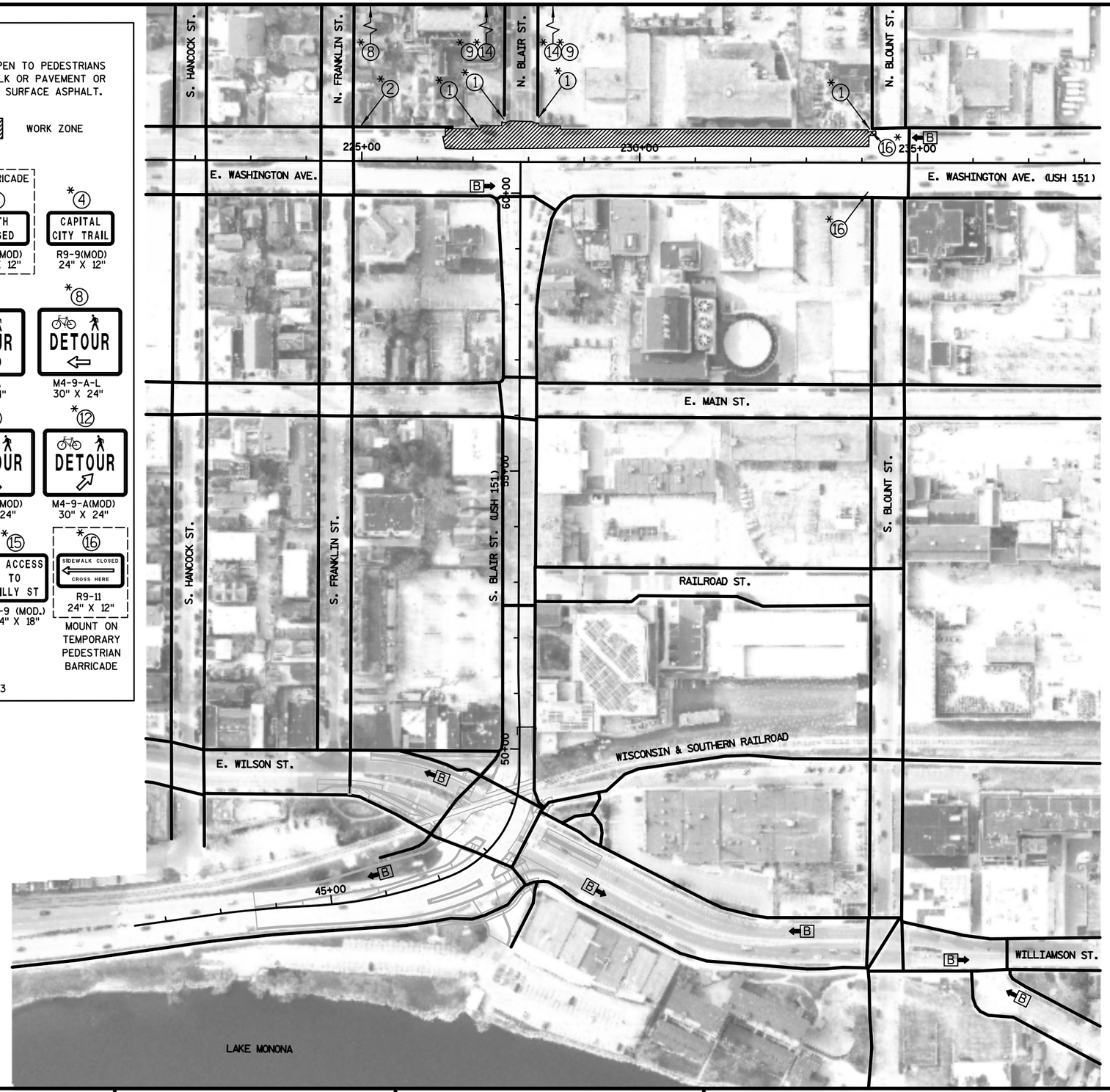
*14 SIDEWALK CLOSED AHEAD — R9-9 (MOD.) 24" X 18"

*15 NO ACCESS TO WILLY ST — R9-9 (MOD.) 24" X 18"

*16 SIDEWALK CLOSED CROSS HERE — R9-11 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2F PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025017_s2F_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

LEGEND

SIDEWALK AND CROSSWALKS OPEN TO PEDESTRIANS USING EITHER EXISTING SIDEWALK OR PAVEMENT OR USING TEMPORARY PEDESTRIAN SURFACE ASPHALT.

B→ BUS STOP

▨ WORK ZONE

MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

*① SIDEWALK CLOSED — R9-9, 24" X 12"

*② SIDEWALK CLOSED USE OTHER SIDE — R9-10, 24" X 12"

*③ PATH CLOSED — R9-9(MOD), 24" X 12"

*④ CAPITAL CITY TRAIL — R9-9(MOD), 24" X 12"

*⑤ LAKE LOOP — R9-9(MOD), 24" X 12"

*⑥ END DETOUR — M4-8A, 24" X 18"

*⑦ DETOUR AHEAD — M4-9AA, 30" X 24"

*⑧ DETOUR ⇦ — M4-9-A-L, 30" X 24"

*⑨ DETOUR ⇨ — M4-9-A-R, 30" X 24"

*⑩ DETOUR ⇧ — M4-9-A(MOD), 30" X 24"

*⑪ DETOUR ⇖ — M4-9-A(MOD), 30" X 24"

*⑫ DETOUR ⇗ — M4-9-A(MOD), 30" X 24"

*⑬ PATH CLOSED AHEAD — W20-3(MOD.), 18" X 18"

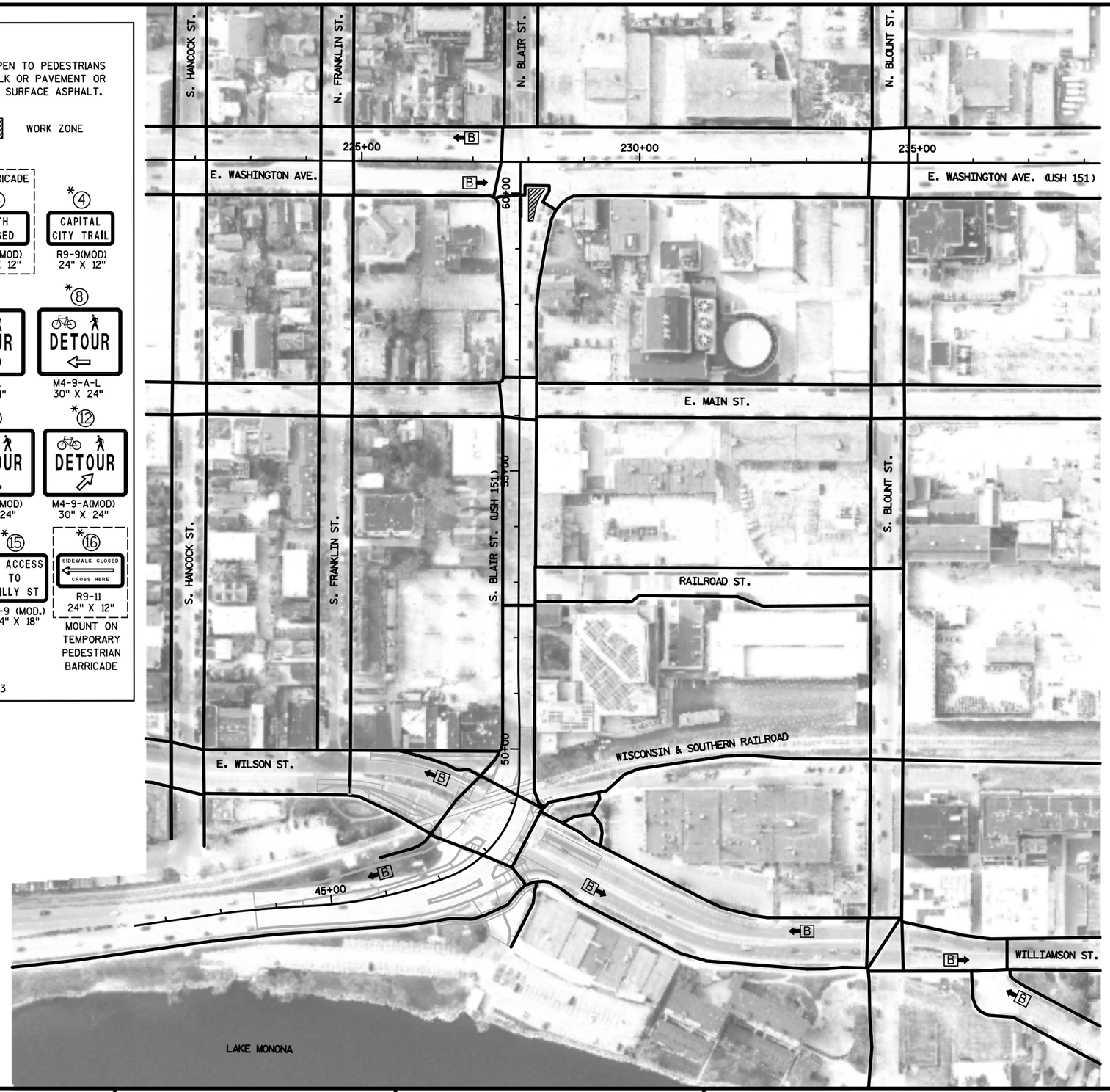
*⑭ SIDEWALK CLOSED AHEAD — R9-9 (MOD.), 24" X 18"

*⑮ NO ACCESS TO WILLY ST — R9-9 (MOD.), 24" X 18"

*⑯ SIDEWALK CLOSED ⇦ CROSS HERE — R9-11, 24" X 12" — MOUNT ON TEMPORARY PEDESTRIAN BARRICADE

MOUNT ALL SIGNS SHOWN ON TYPE II BARRICADES UNLESS NOTED OTHERWISE

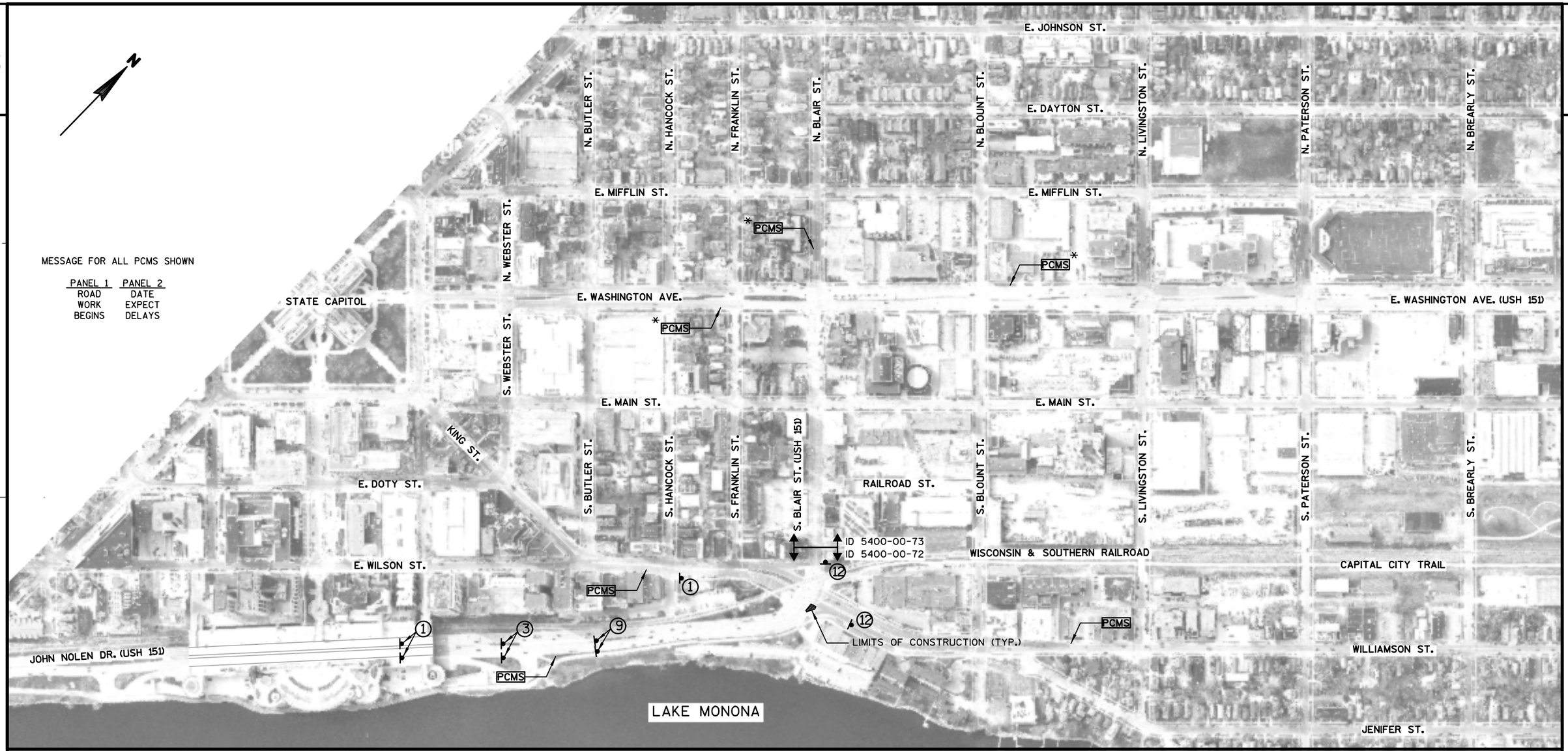
*PAID FOR UNDER PROJECT ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	STAGE 2G PEDESTRIAN ROUTING OVERVIEW	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_025018_s2G_Pedestrian Routing.dgn PLOT DATE : 8/27/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



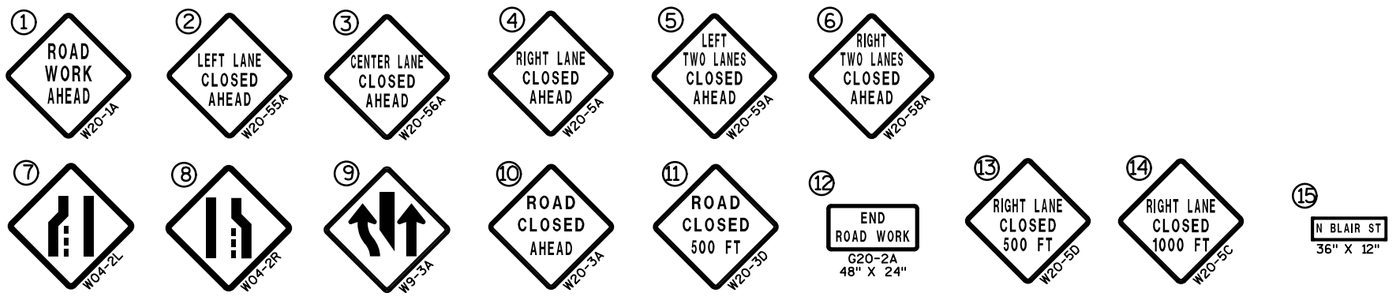
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

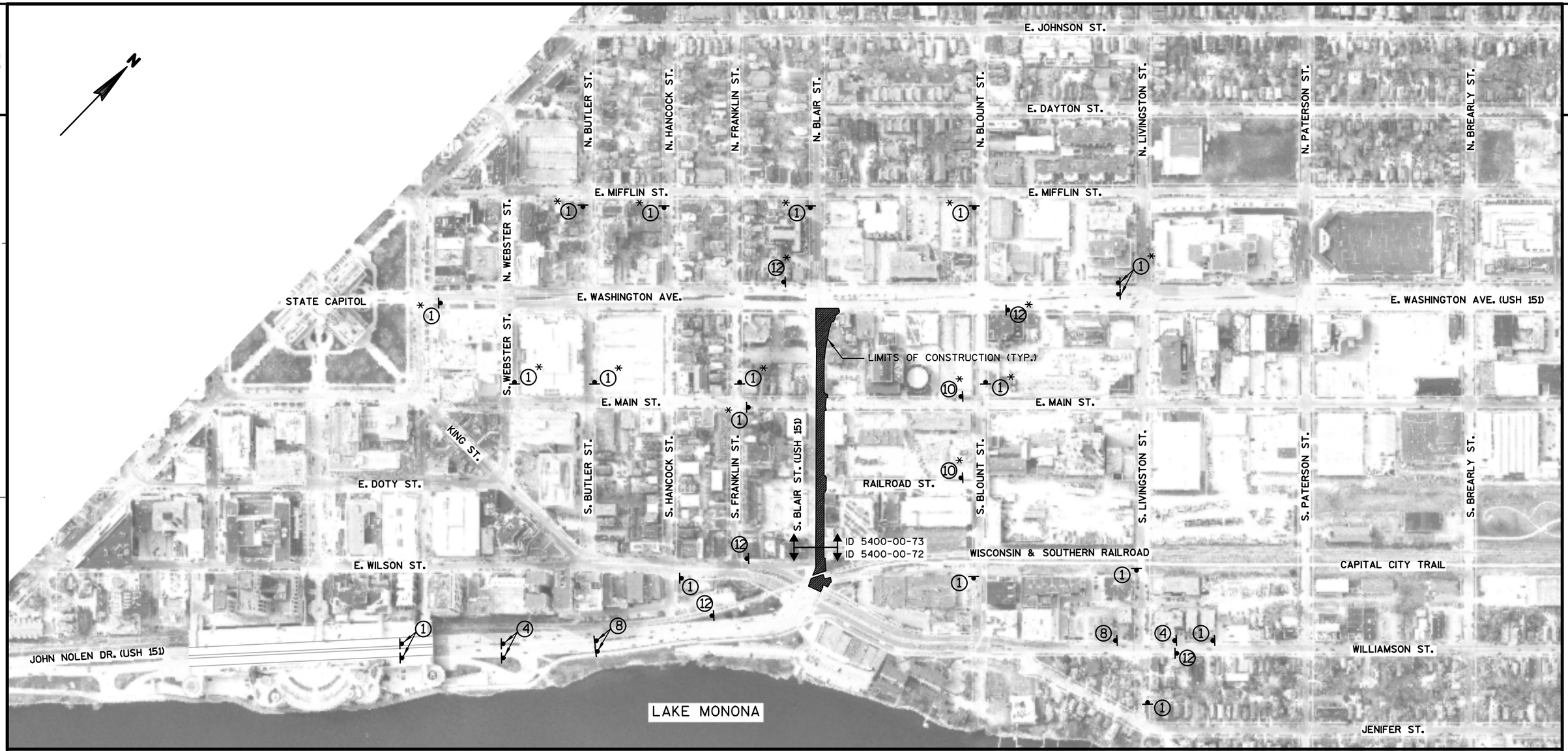
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1A	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1A_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

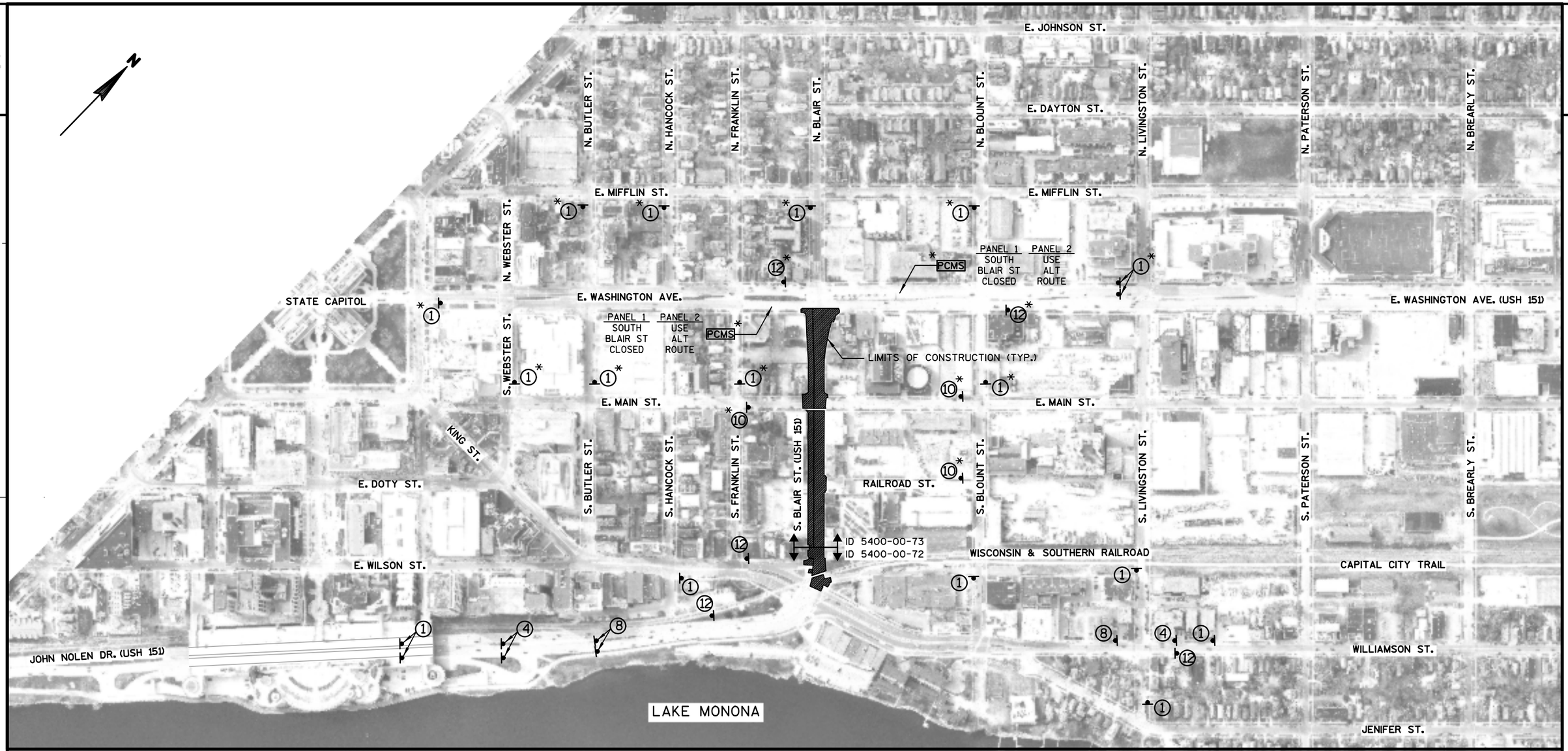
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 1	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1B Phase 1_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



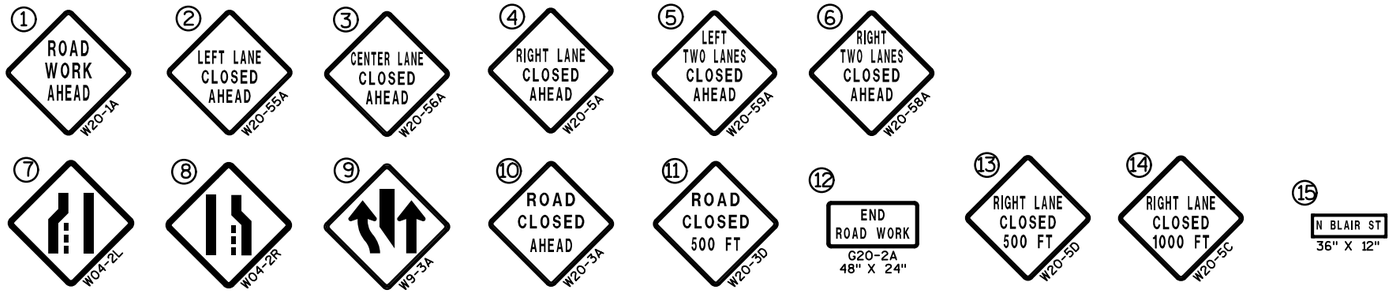
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

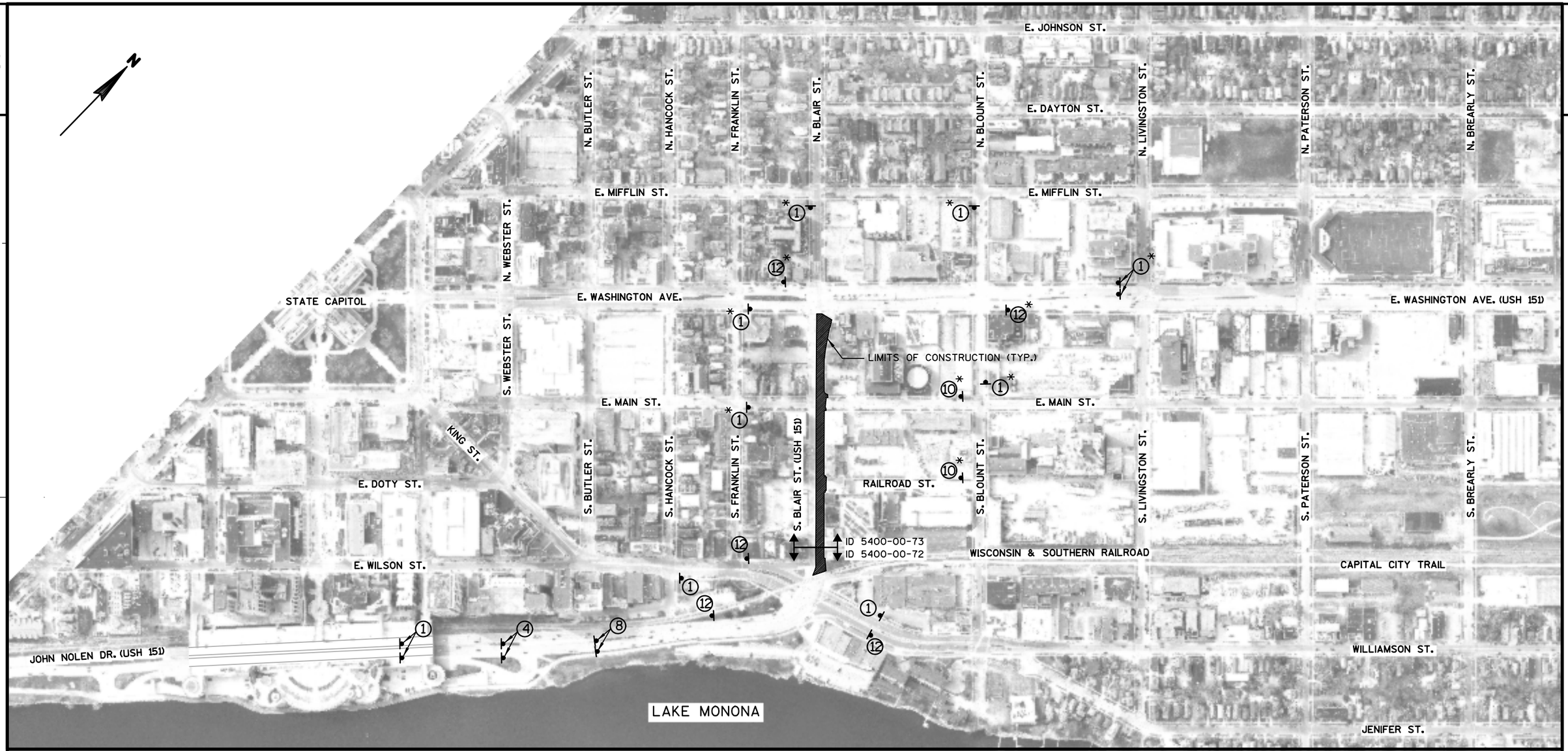
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 1 (S. BALIR ST. CLOSED)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1B Phase 1_CLOSED_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

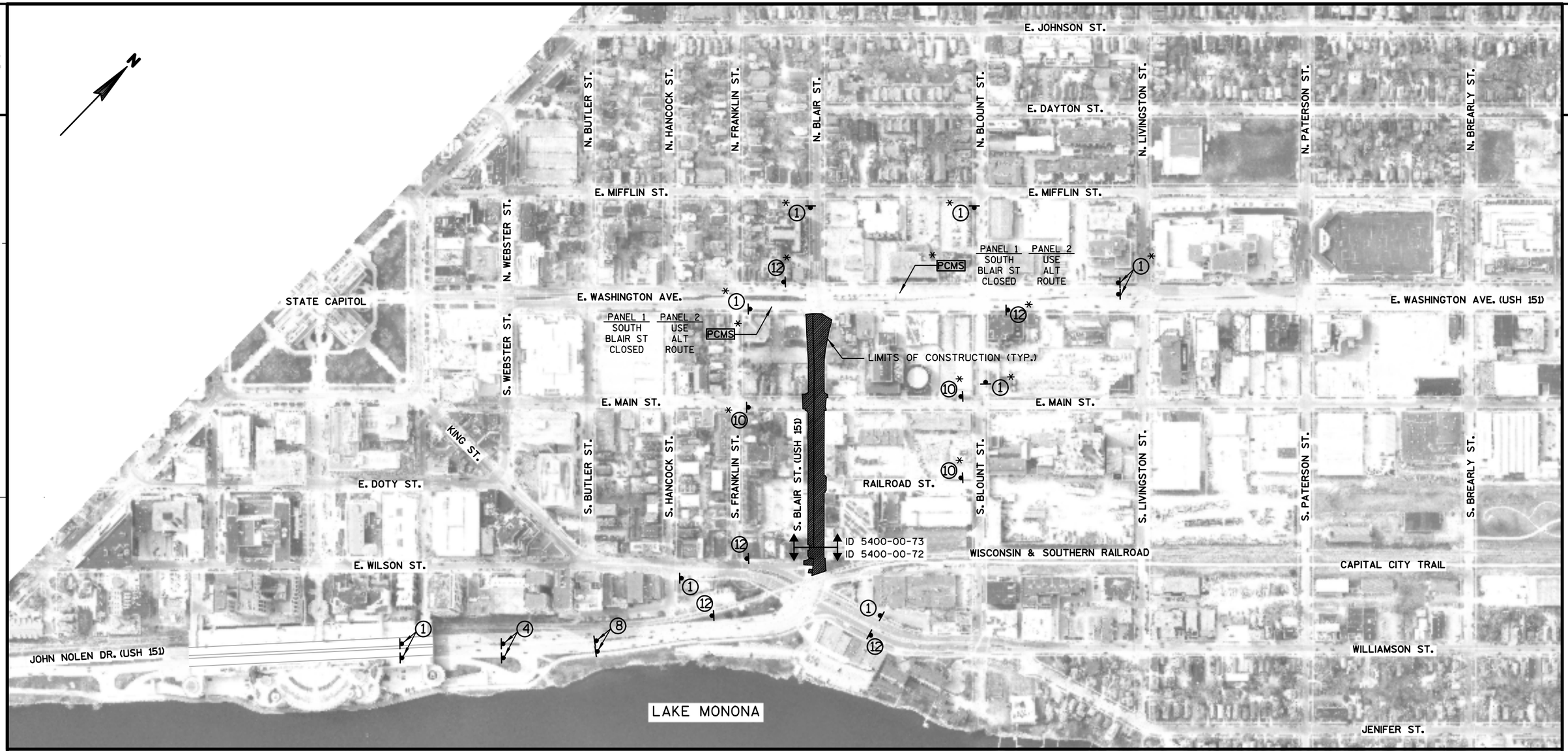
* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1B Phase 2_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 2 (S. BLAIR ST. CLOSED)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1B Phase 2_CLOSED_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

DETOUR SIGN LEGEND

Ⓐ M4-9L 30" X 24" — DETOUR
Ⓑ M4-9R 30" X 24" — DETOUR
Ⓒ M4-59R 30" X 30" — DETOUR
Ⓓ M4-59L 30" X 30" — DETOUR
Ⓔ M4-8A 24" X 18" — END DETOUR
Ⓕ M06-1 21" X 21"
Ⓖ M05-2R 21" X 21"
Ⓗ M06-2 21" X 21"
Ⓘ M3-2 24" X 12" — EAST
Ⓙ M4-8 24" X 12" — DETOUR
Ⓚ 36" X 12" — E WASH AVE
Ⓛ W20-2 — DETOUR AHEAD
Ⓜ R11-2 48" X 30" — ROAD CLOSED — TYPE III BARRICADE
Ⓝ R11-4 60" X 30" — ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE
Ⓞ TYPE III BARRICADE

N

E. JOHNSON ST.
E. DAYTON ST.
E. MIFFLIN ST.
E. WASHINGTON AVE.
E. WASHINGTON AVE. (USH 151)
E. MAIN ST.
E. DOTY ST.
E. WILSON ST.
RAILROAD ST.
JOHN NOLEN DR. (USH 151)
LAKE MONONA
CAPITAL CITY TRAIL
WILLIAMSON ST.
JENIFER ST.
WISCONSIN & SOUTHERN RAILROAD

N. HAMILTON ST.
N. BUTLER ST.
N. HANCOCK ST.
N. FRANKLIN ST.
N. BLAIR ST.
N. BLOUNT ST.
N. LIVINGSTON ST.
N. PATERSON ST.
N. BREARLY ST.
N. WEBSTER ST.
S. WEBSTER ST.
KING ST.
S. BUTLER ST.
S. HANCOCK ST.
S. FRANKLIN ST.
S. BLAIR ST. (USH 151)
S. BLOUNT ST.
S. LIVINGSTON ST.
S. PATERSON ST.
S. BREARLY ST.

PCMS
PANEL 1 SOUTH BLAIR ST CLOSED
PANEL 2 USE ALT ROUTE
PCMS
PANEL 1 ROAD TO CLOSE
PANEL 2 7PM FRI TO 2PM MON
LIMITS OF CONSTRUCTION
ID 5400-00-73
ID 5400-00-72

SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS (PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

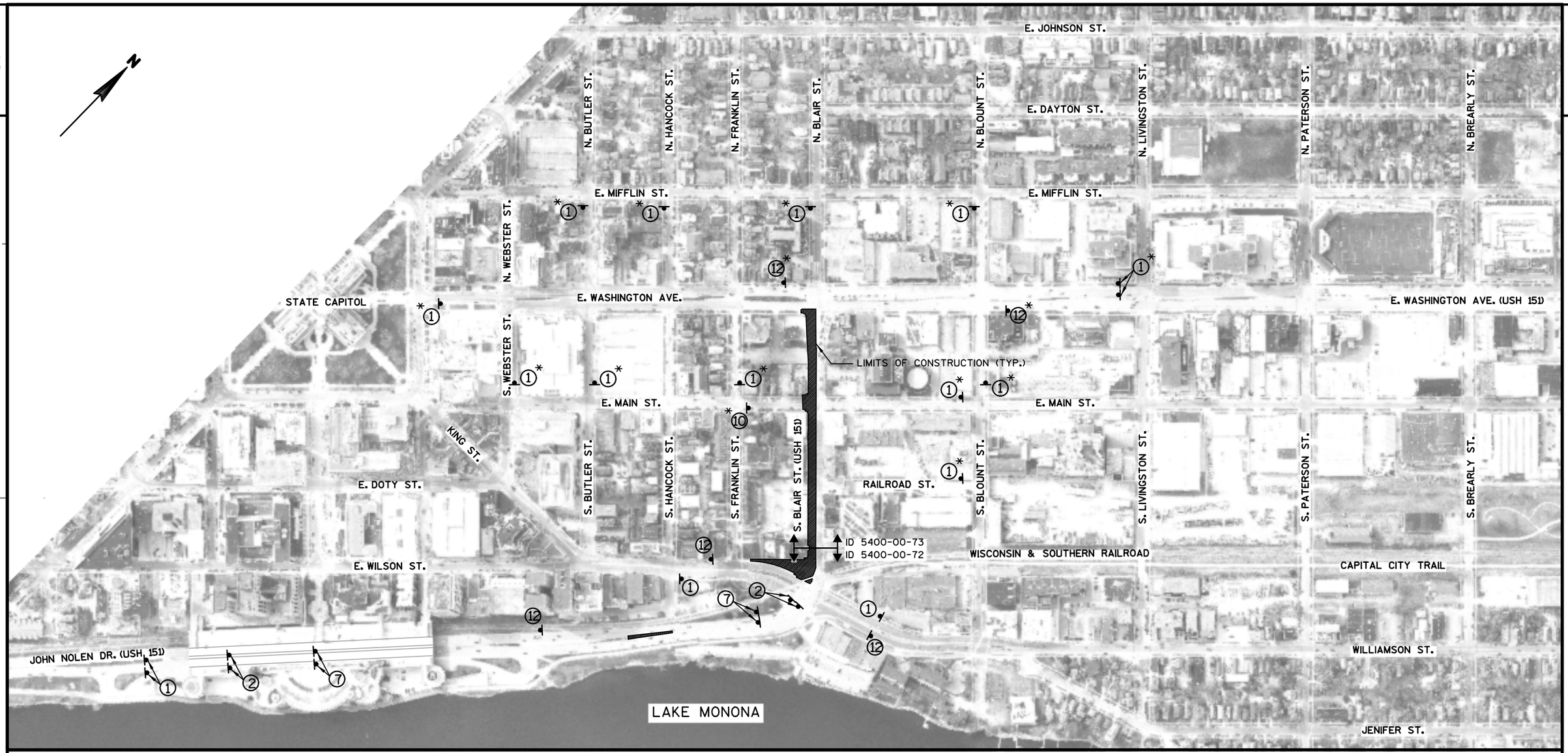
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

① ROAD WORK AHEAD W20-1A
② LEFT LANE CLOSED AHEAD W20-55A
③ CENTER LANE CLOSED AHEAD W20-56A
④ RIGHT LANE CLOSED AHEAD W20-5A
⑤ LEFT TWO LANES CLOSED AHEAD W20-59A
⑥ RIGHT TWO LANES CLOSED AHEAD W20-58A
⑦ W04-2L
⑧ W04-2R
⑨ W9-3A
⑩ ROAD CLOSED AHEAD W20-3A
⑪ ROAD CLOSED 500 FT W20-3D
⑫ END ROAD WORK G20-2A 48" X 24"
⑬ RIGHT LANE CLOSED 500 FT W20-5D
⑭ RIGHT LANE CLOSED 1000 FT W20-5C
⑮ N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1B, PHASE 3 (SANITARY AT E. WASH.)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1B Phase 3 - SAN CONNECTION_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

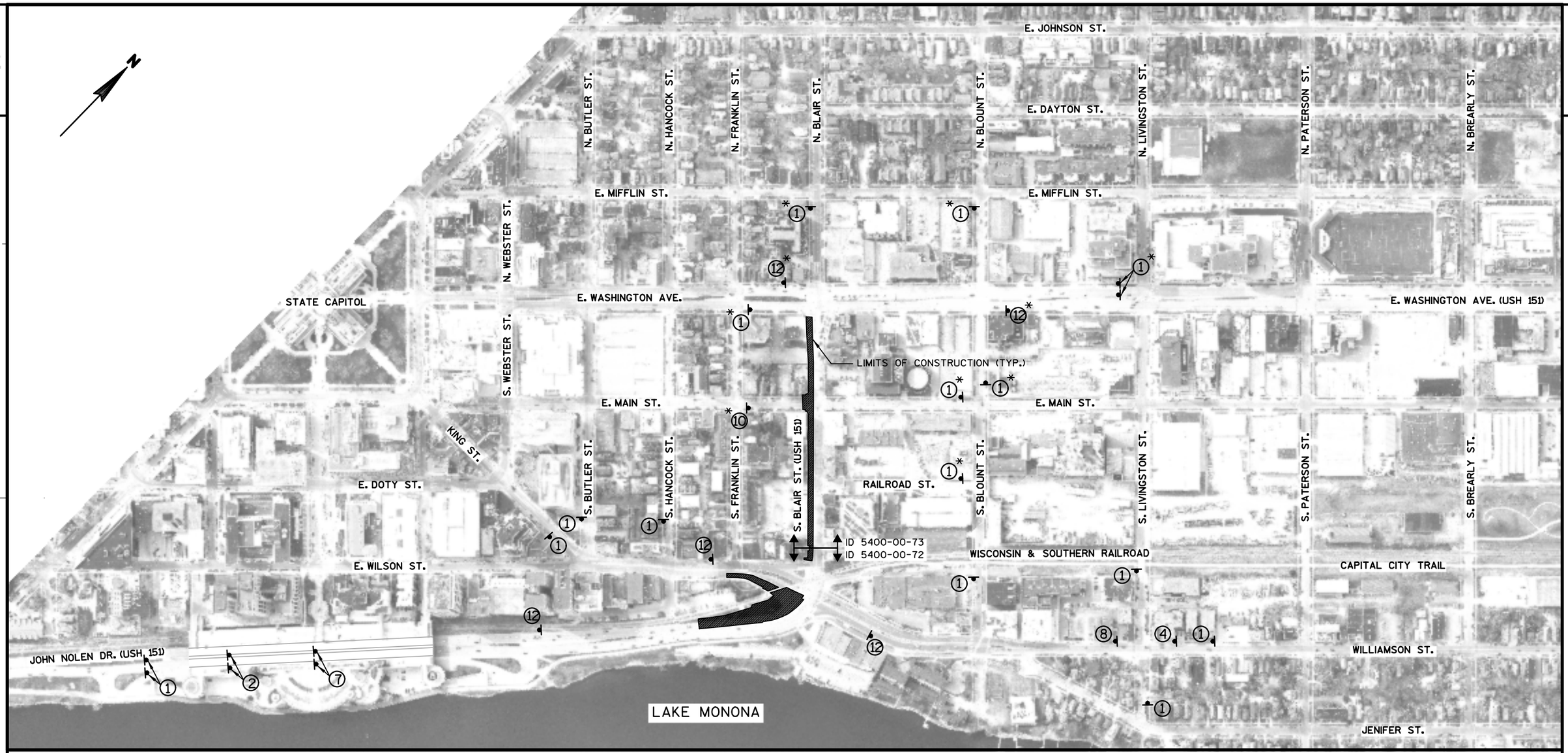
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1C Phase 1_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

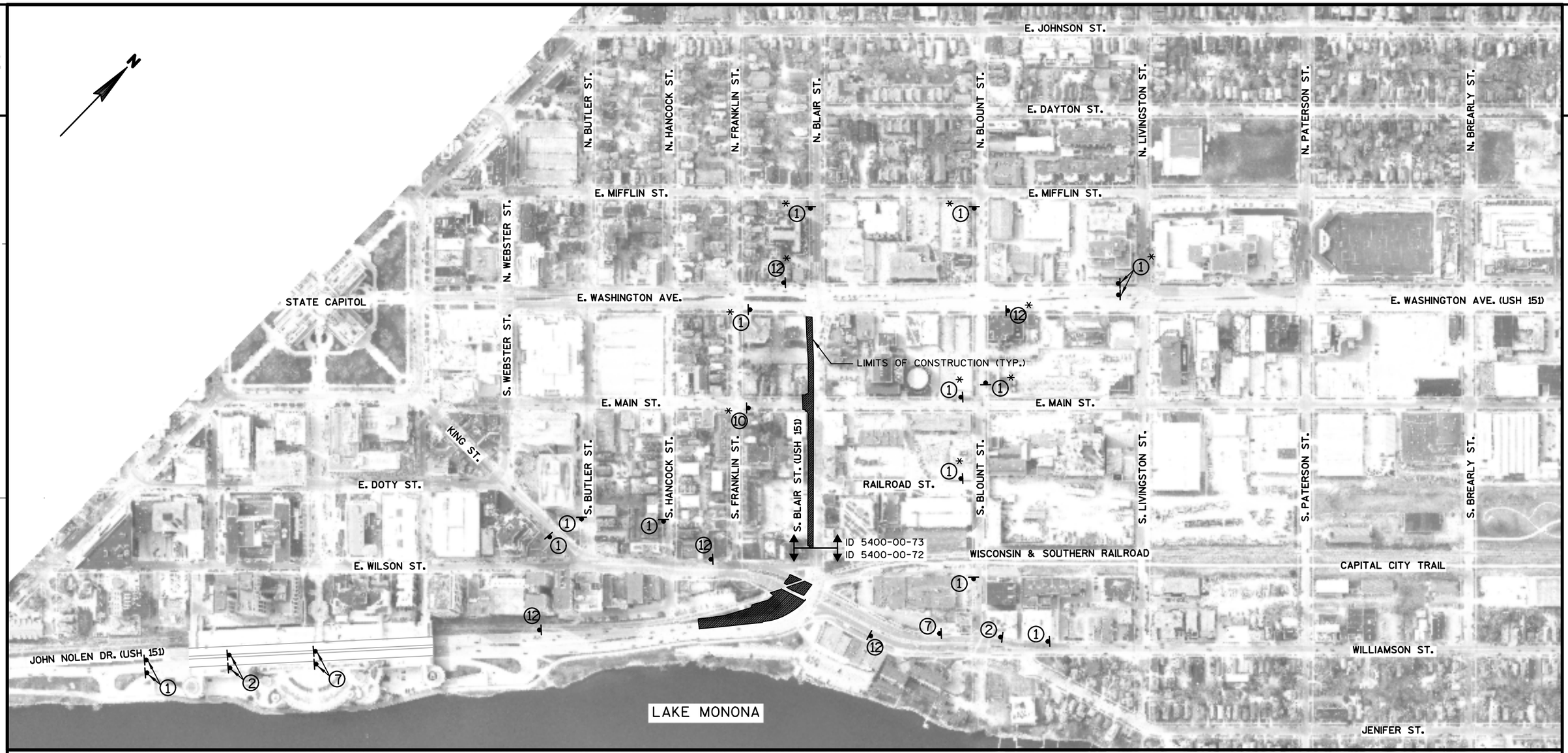
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1C, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1C Phase 2_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1C, PHASE 3	SHEET 100	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

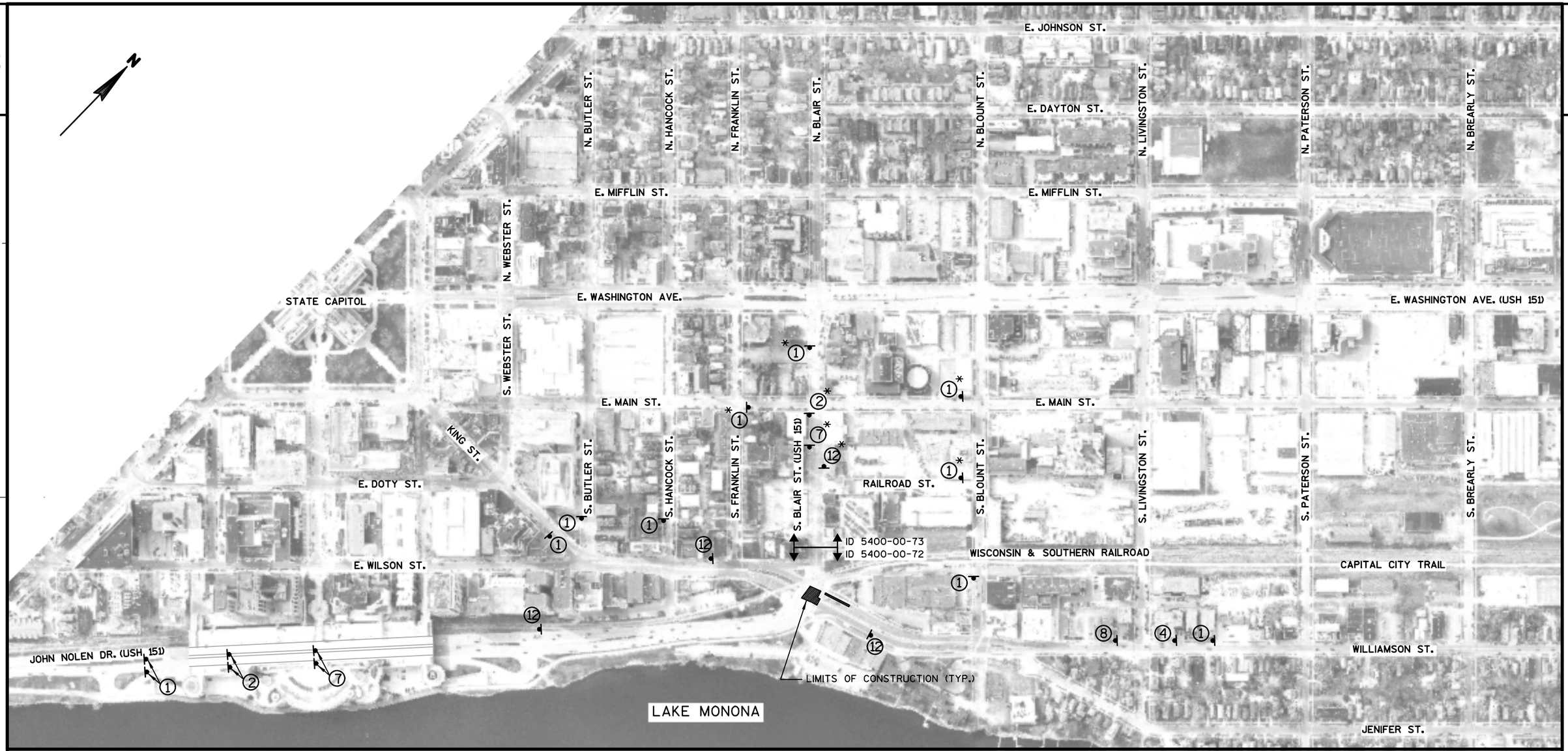
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1D, PHASE 1	SHEET 101	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

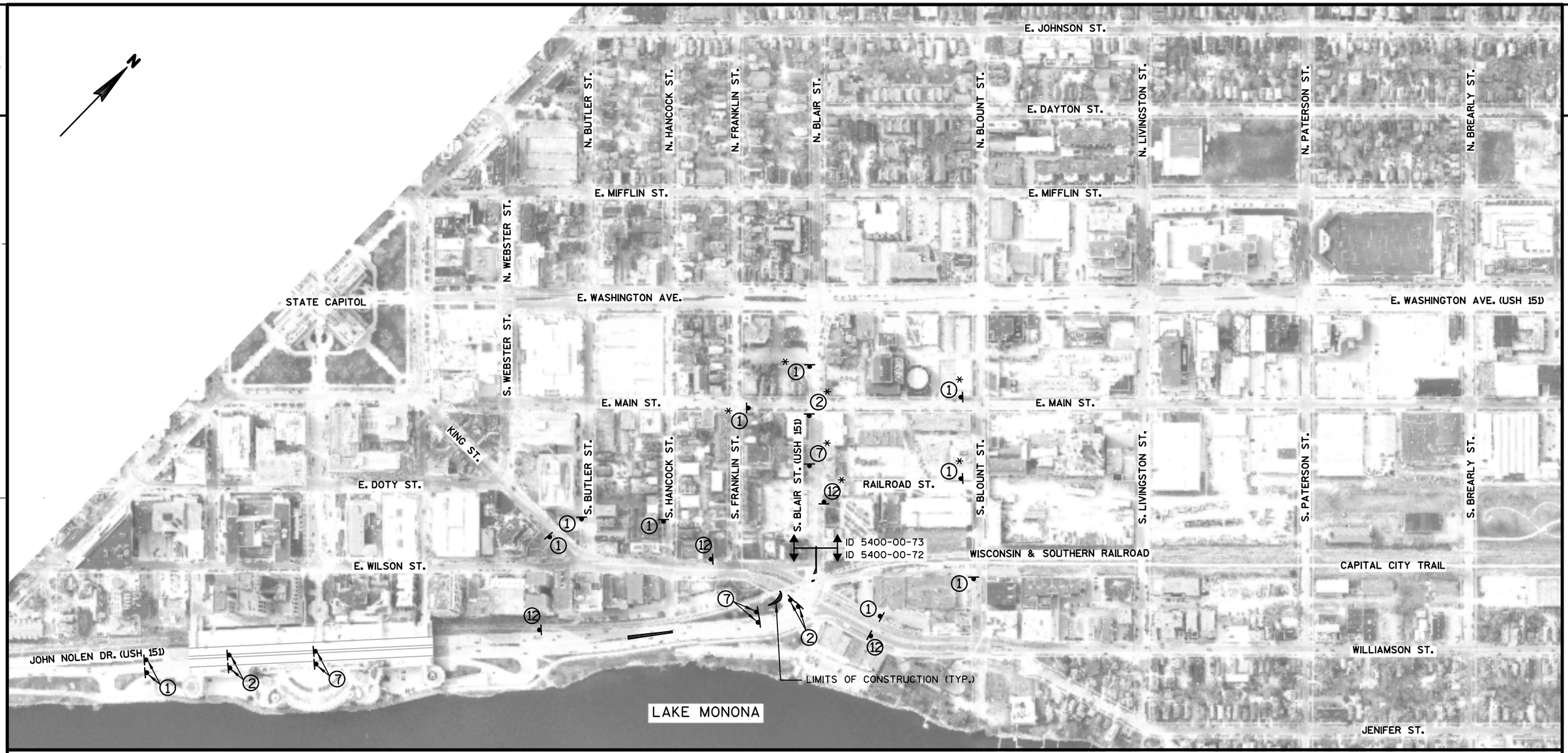
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1D, PHASE 2	SHEET 102	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

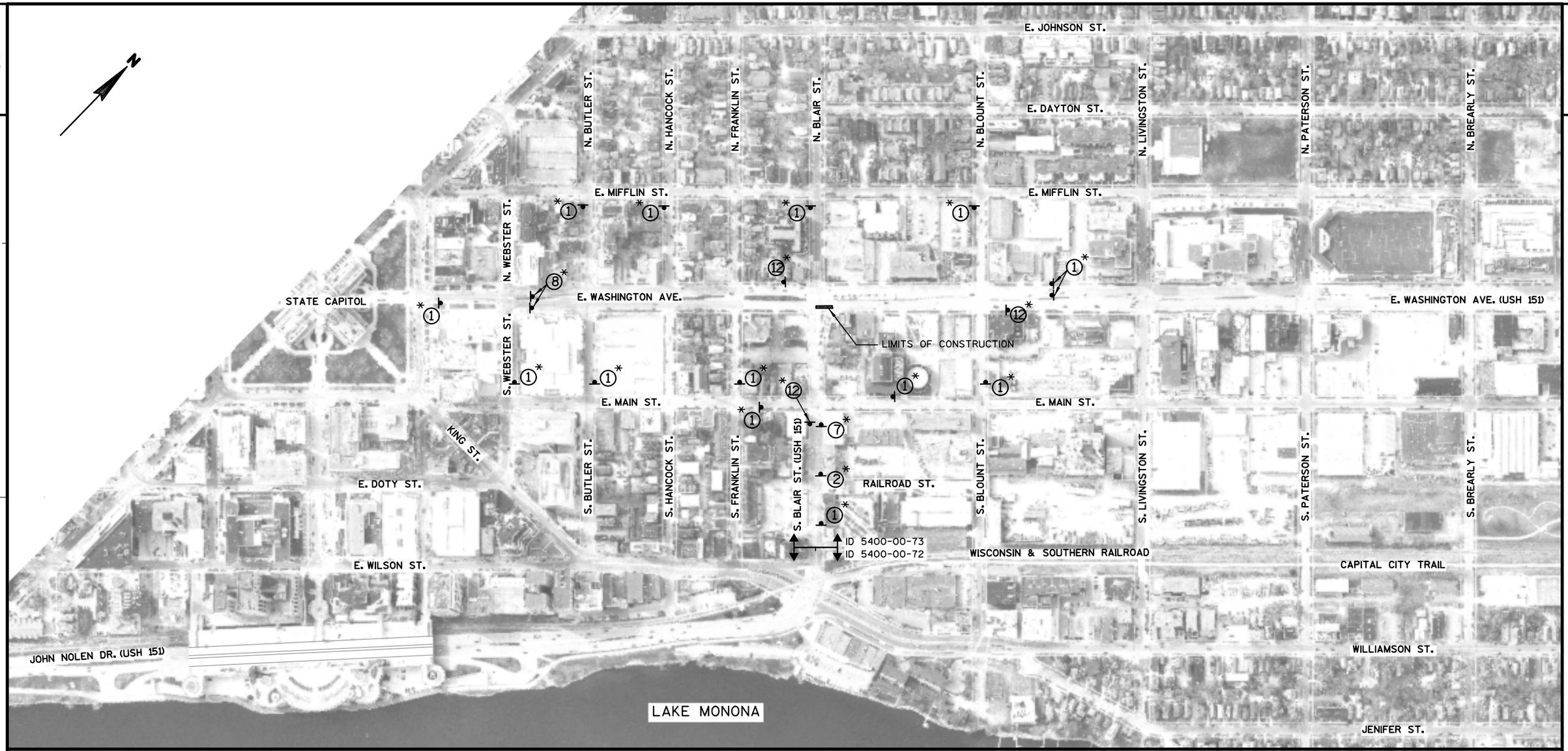
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 1E	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026001_S1E_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



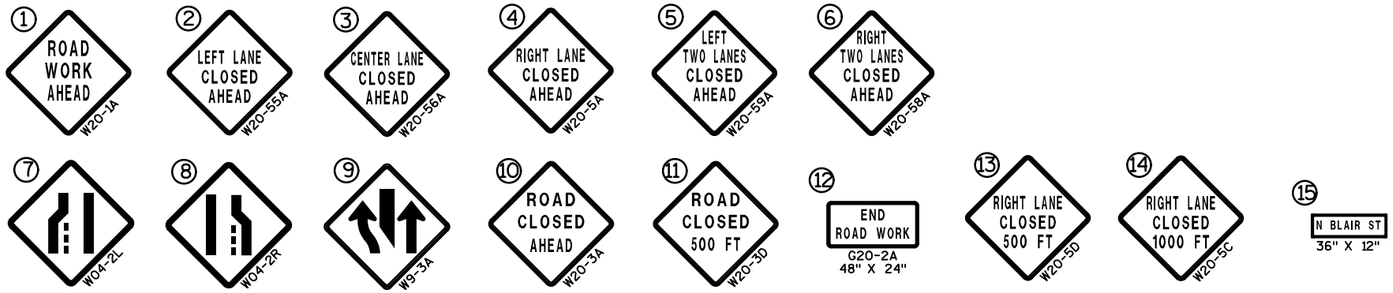
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

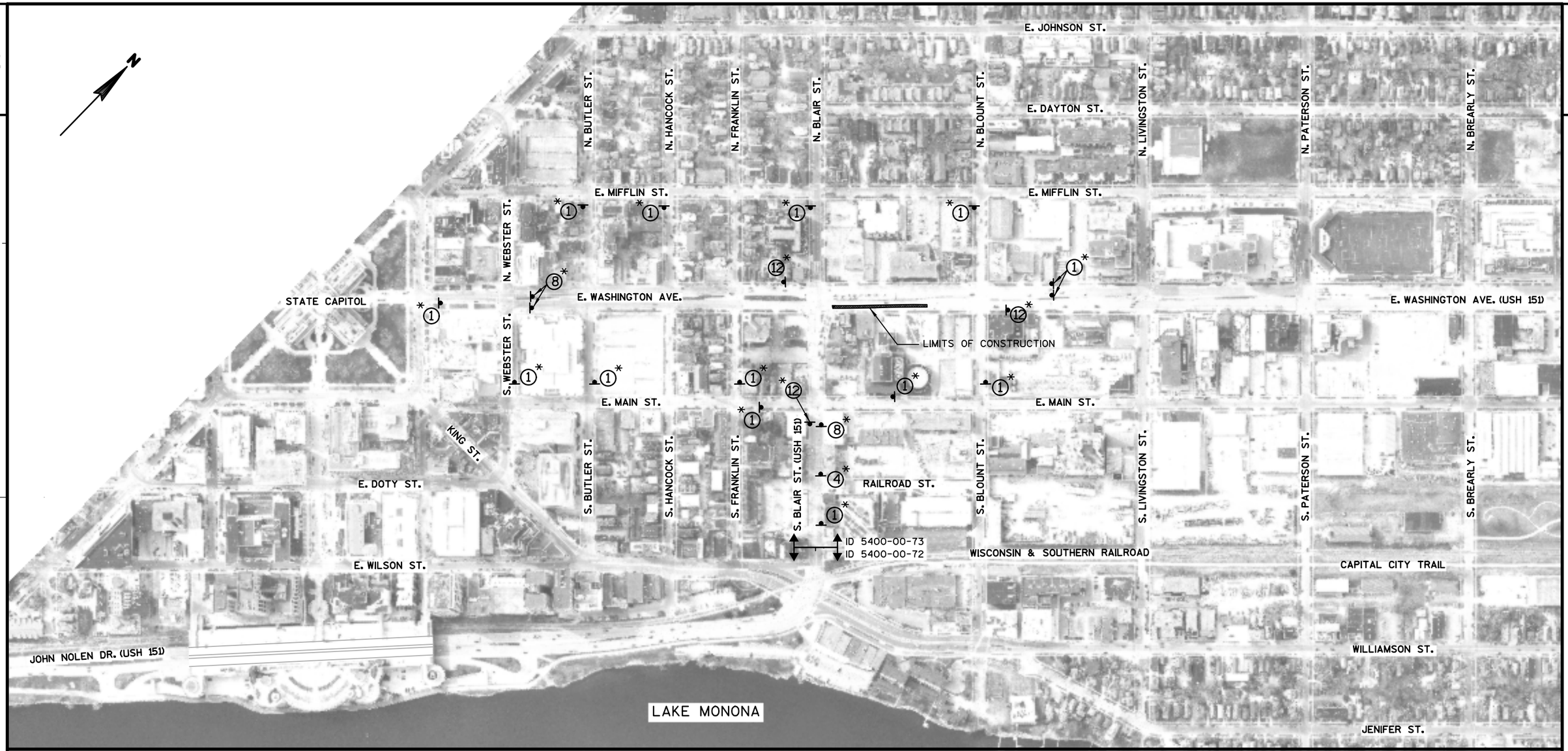
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2A, PHASE 1	SHEET 104	E



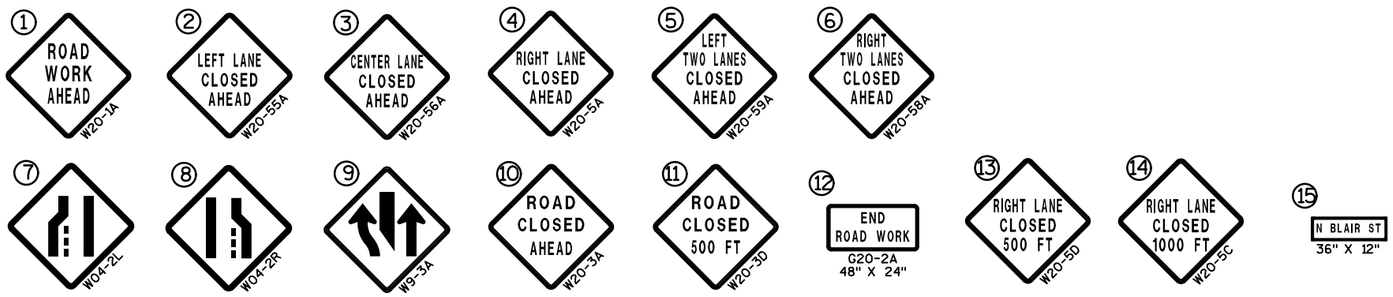
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

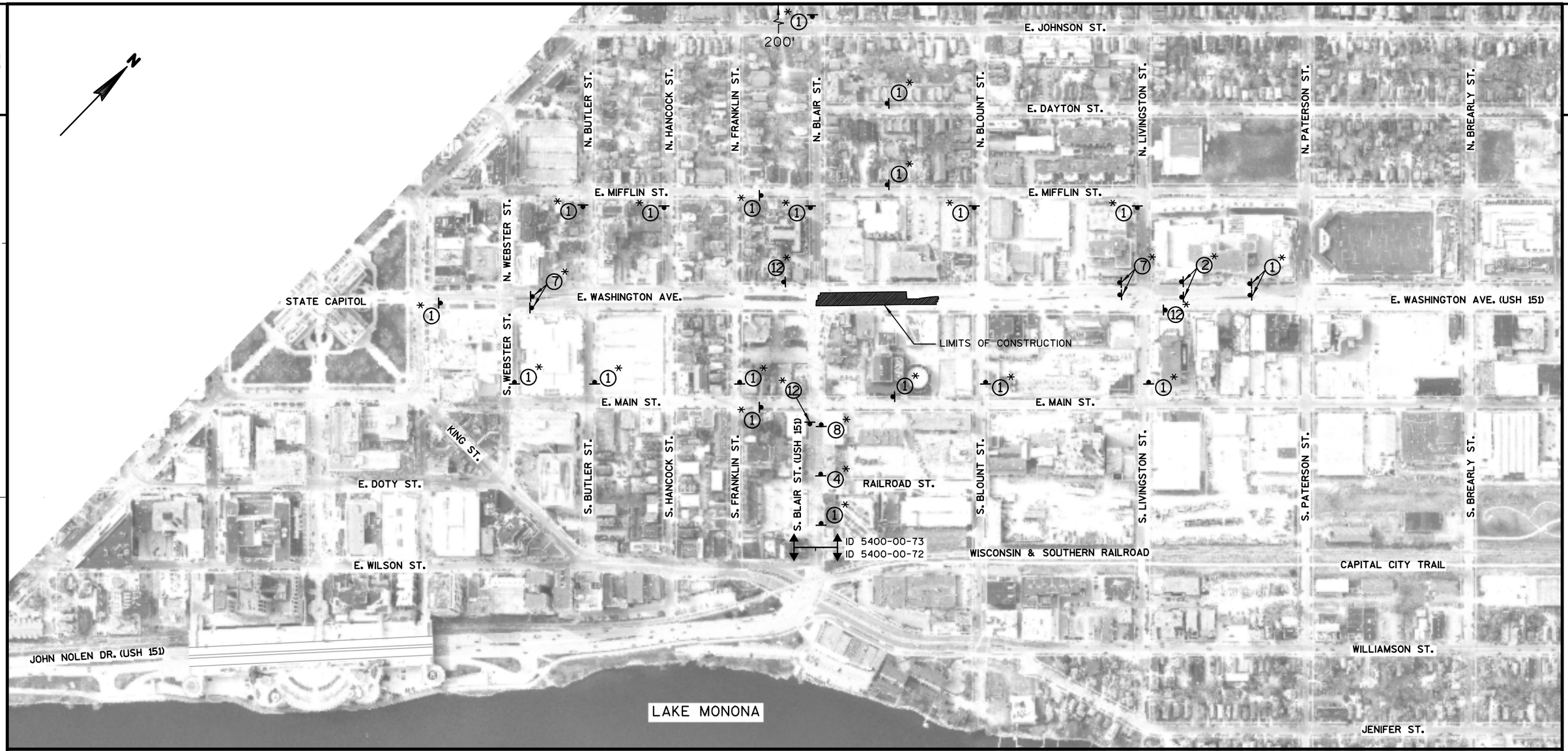
* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2A, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026002_S2A_Phase 2_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

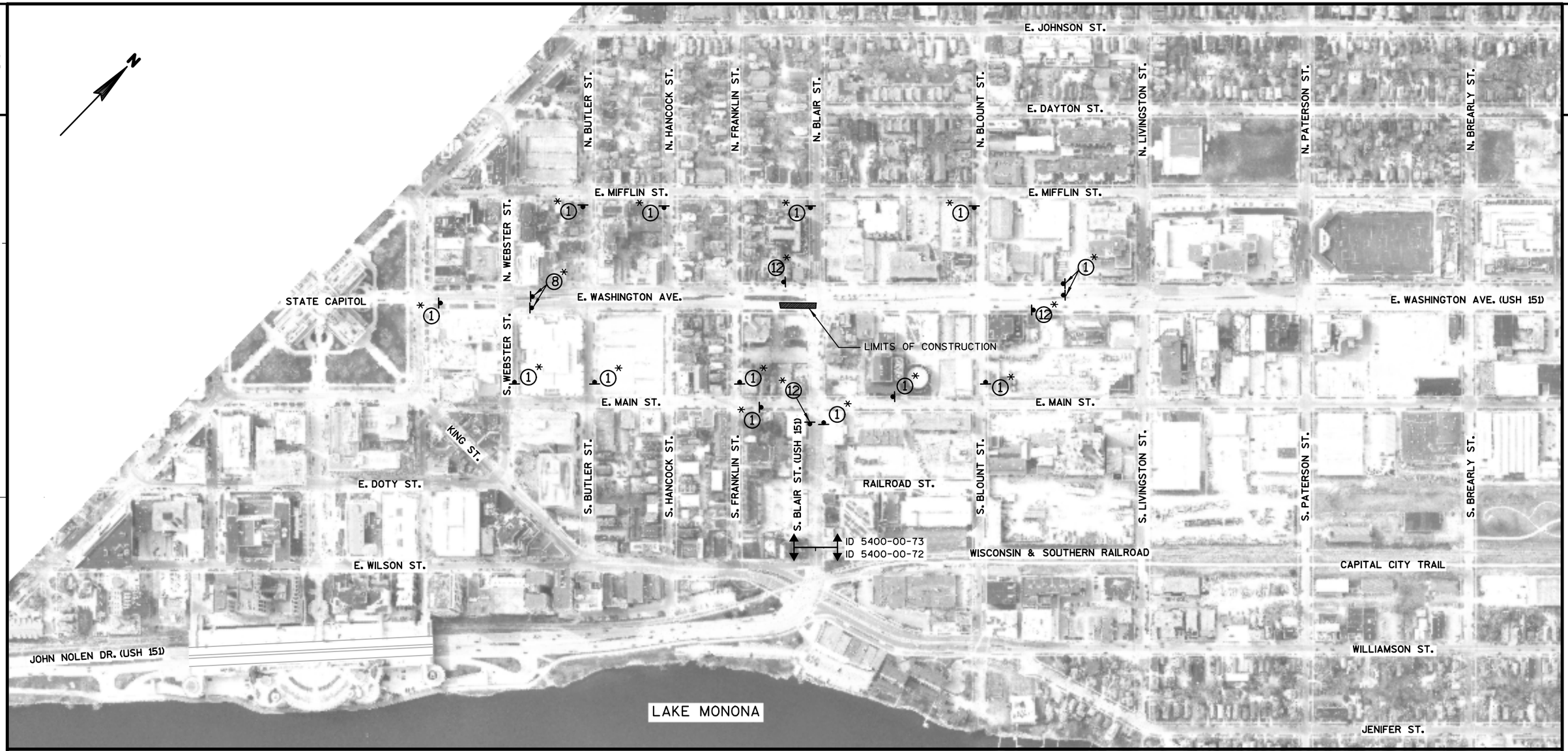
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2B	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026003_S2B_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



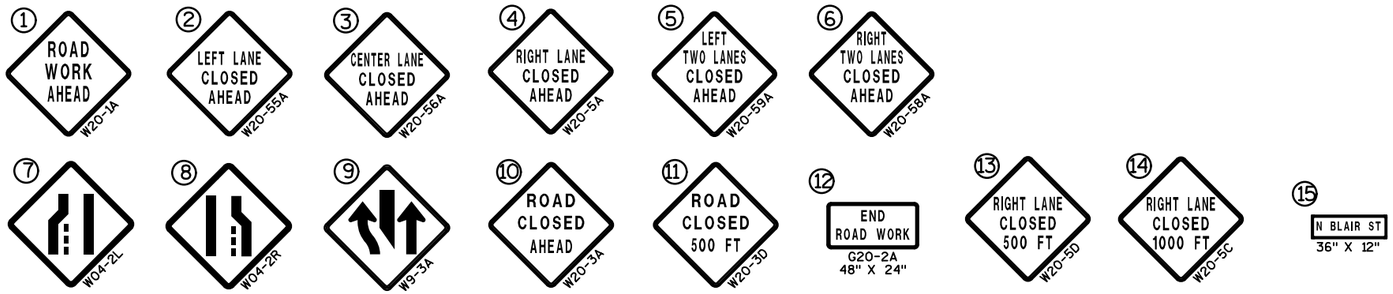
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

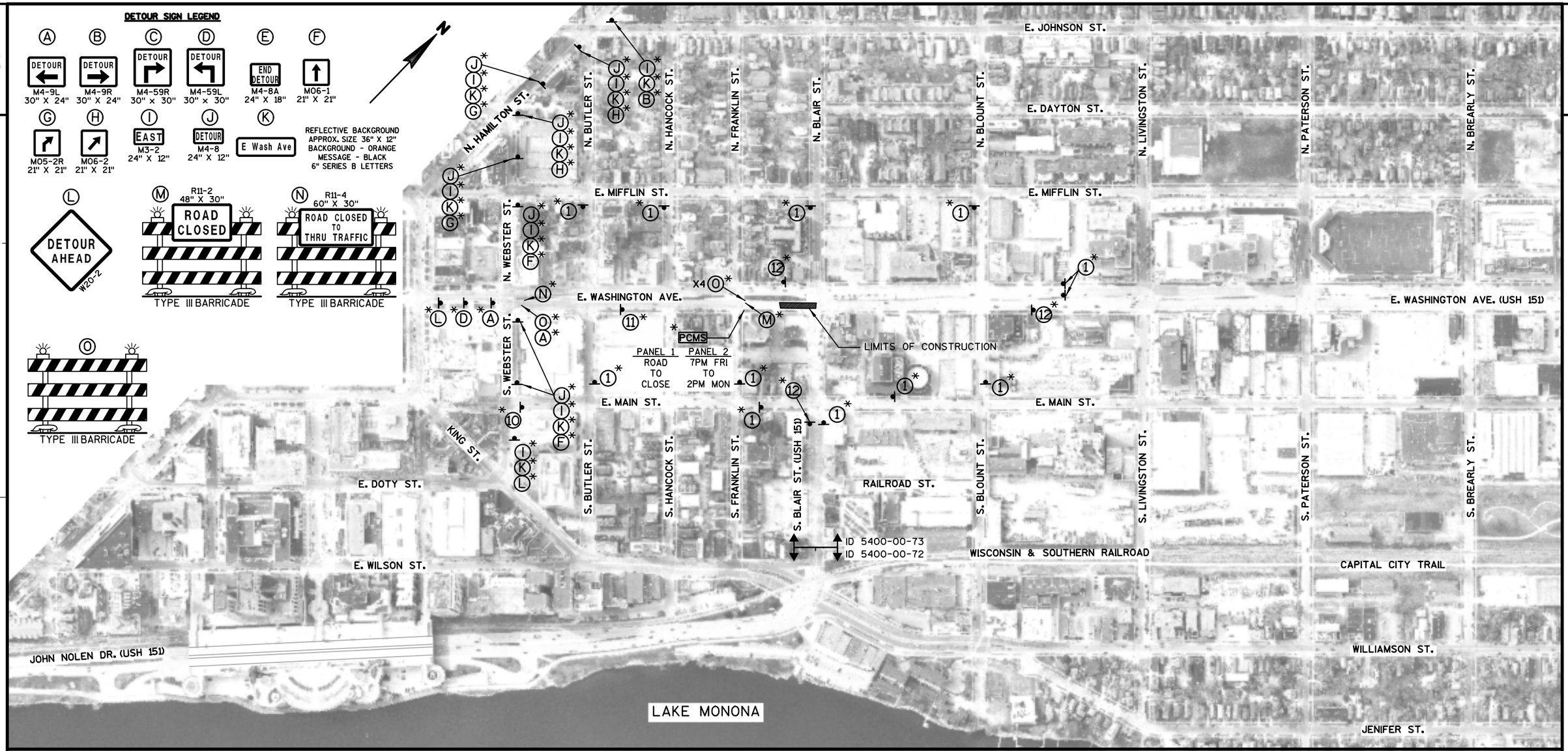


PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026004_S2C_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

DETOUR SIGN LEGEND



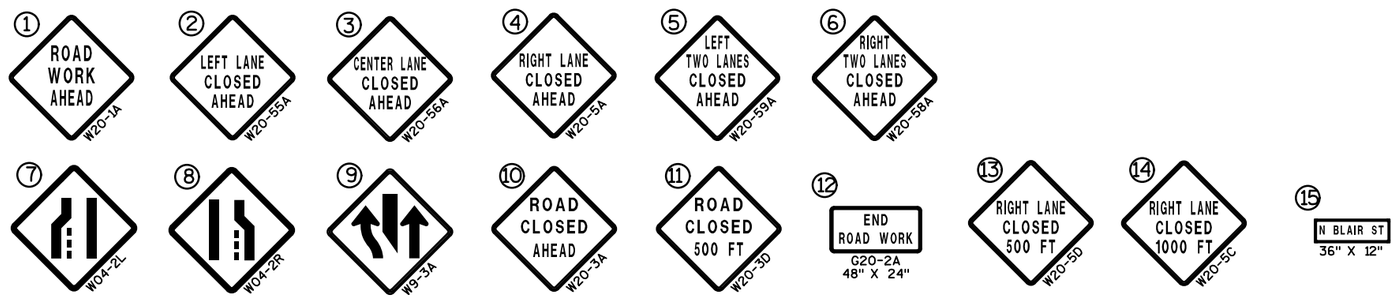
SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

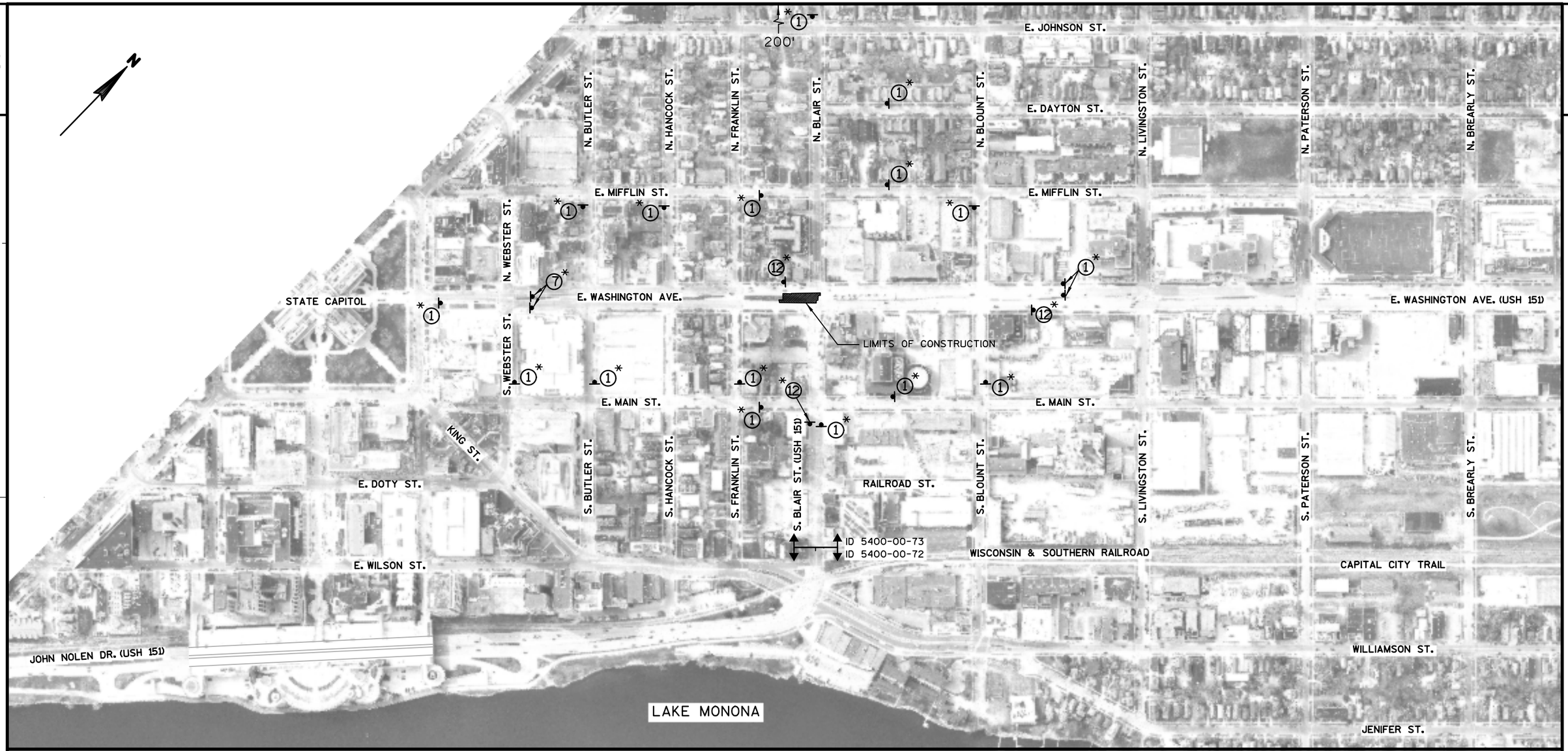
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2C (WEEKEND CLOSURE)	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026004A_S2C_Weelend Closure_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

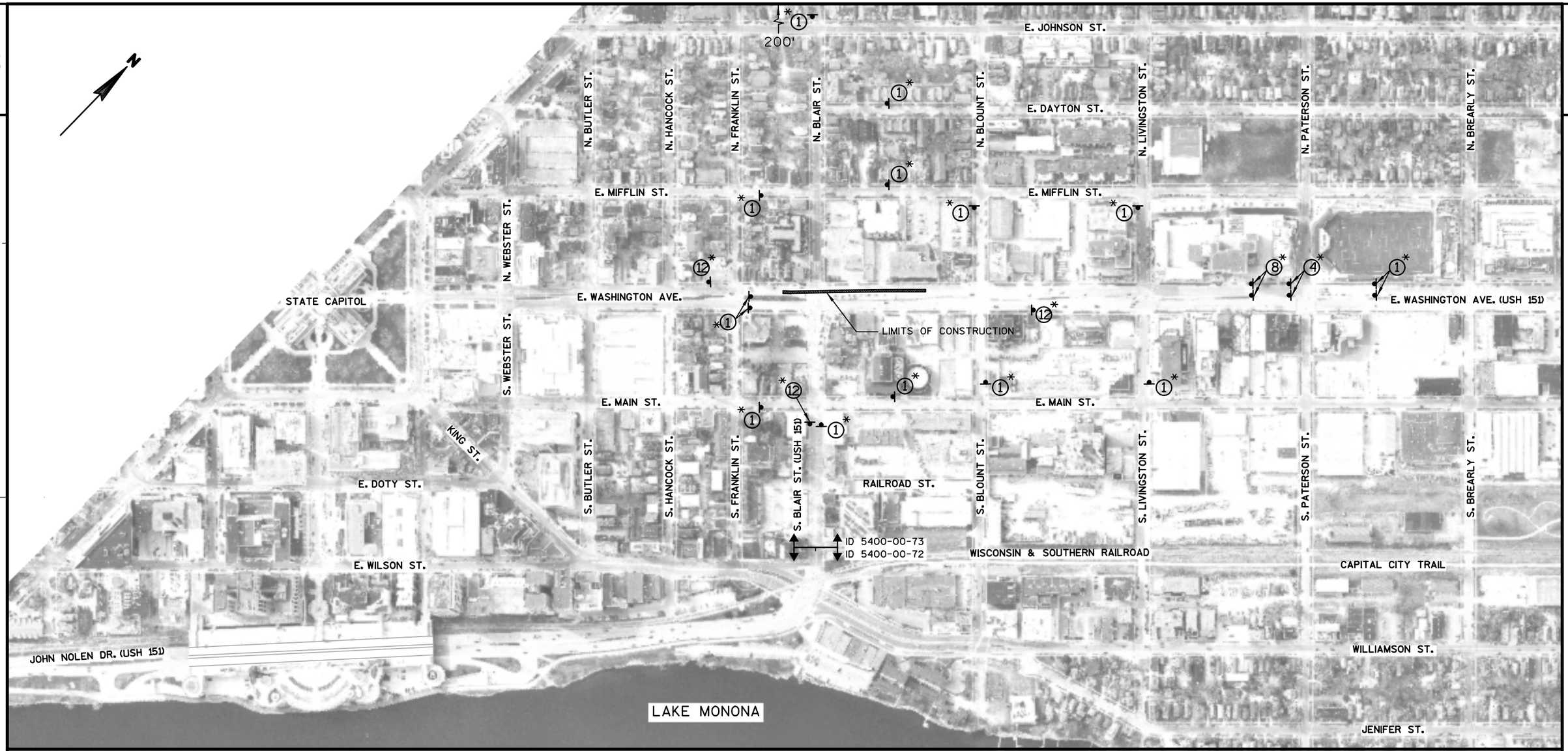
TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

① ROAD WORK AHEAD W20-1A
② LEFT LANE CLOSED AHEAD W20-55A
③ CENTER LANE CLOSED AHEAD W20-56A
④ RIGHT LANE CLOSED AHEAD W20-5A
⑤ LEFT TWO LANES CLOSED AHEAD W20-59A
⑥ RIGHT TWO LANES CLOSED AHEAD W20-58A
⑦ W04-2L
⑧ W04-2R
⑨ W9-3A
⑩ ROAD CLOSED AHEAD W20-3A
⑪ ROAD CLOSED 500 FT W20-3D
⑫ END ROAD WORK G20-2A 48" X 24"
⑬ RIGHT LANE CLOSED 500 FT W20-5D
⑭ RIGHT LANE CLOSED 1000 FT W20-5C
⑮ N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2D	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026005_S2D_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

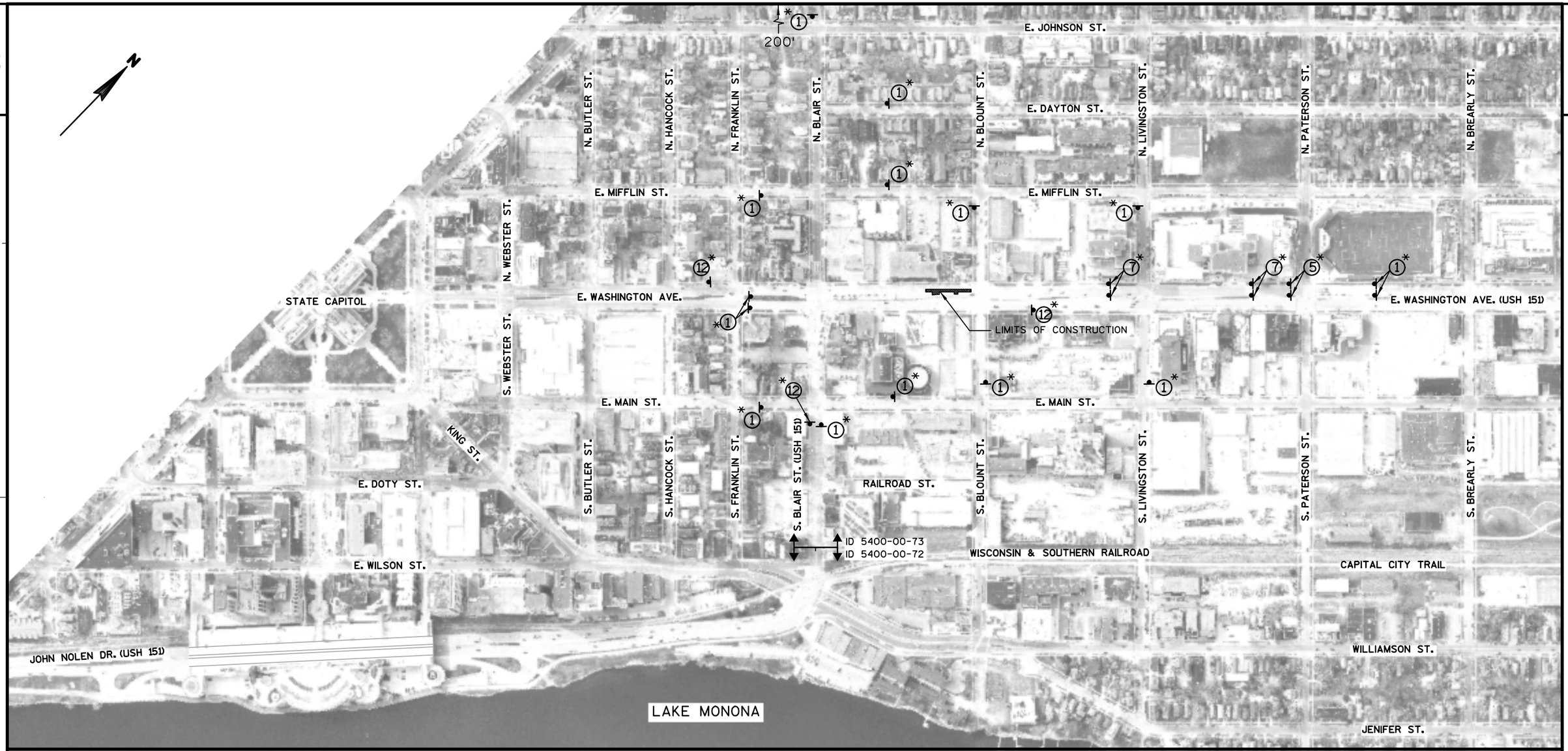
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

① ROAD WORK AHEAD W20-1A
② LEFT LANE CLOSED AHEAD W20-55A
③ CENTER LANE CLOSED AHEAD W20-56A
④ RIGHT LANE CLOSED AHEAD W20-5A
⑤ LEFT TWO LANES CLOSED AHEAD W20-59A
⑥ RIGHT TWO LANES CLOSED AHEAD W20-58A
⑦ W04-2L
⑧ W04-2R
⑨ W9-3A
⑩ ROAD CLOSED AHEAD W20-3A
⑪ ROAD CLOSED 500 FT W20-3D
⑫ END ROAD WORK G20-2A 48" X 24"
⑬ RIGHT LANE CLOSED 500 FT W20-5D
⑭ RIGHT LANE CLOSED 1000 FT W20-5C
⑮ N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2E, PHASE 1	SHEET 110	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

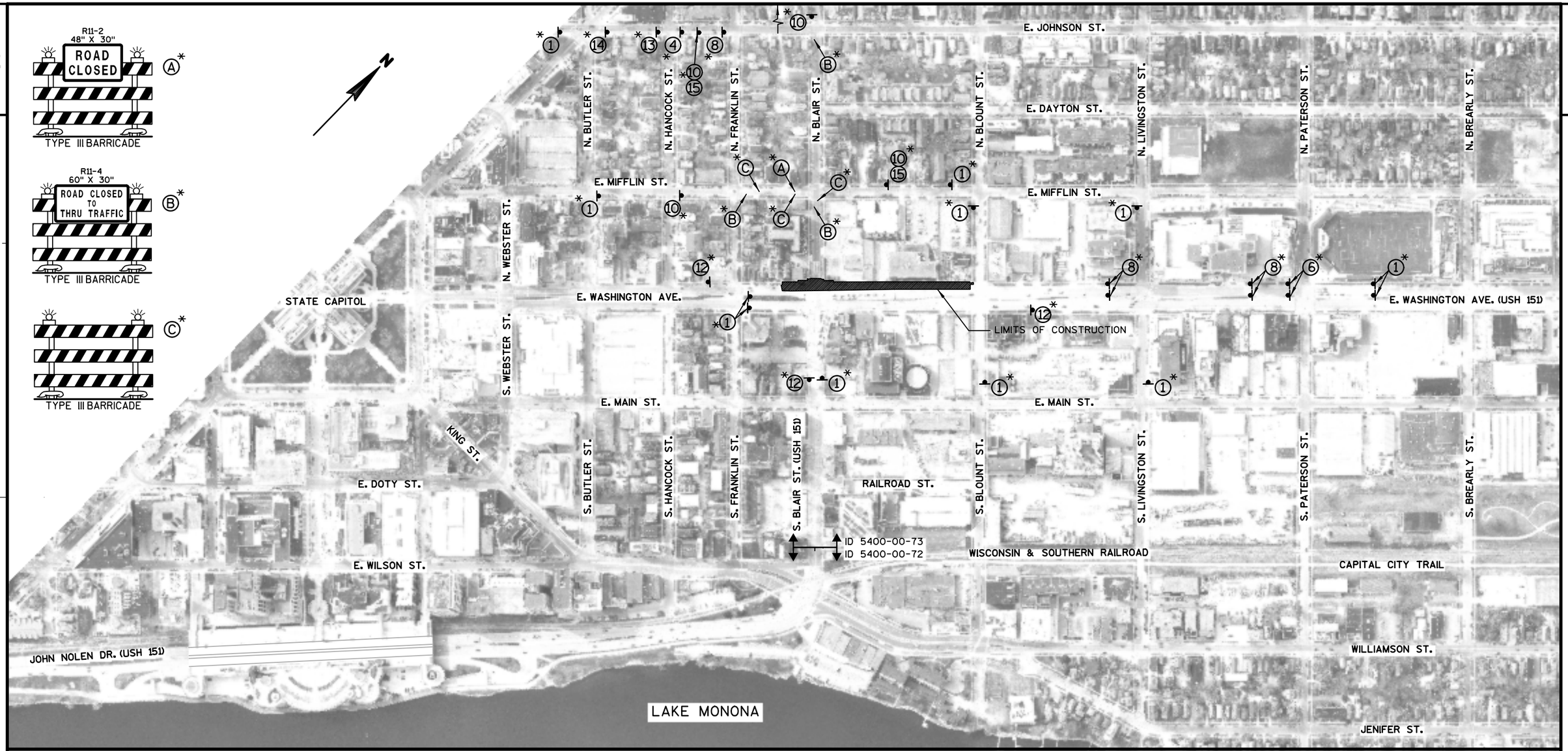
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2E, PHASE 2	SHEET 111	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

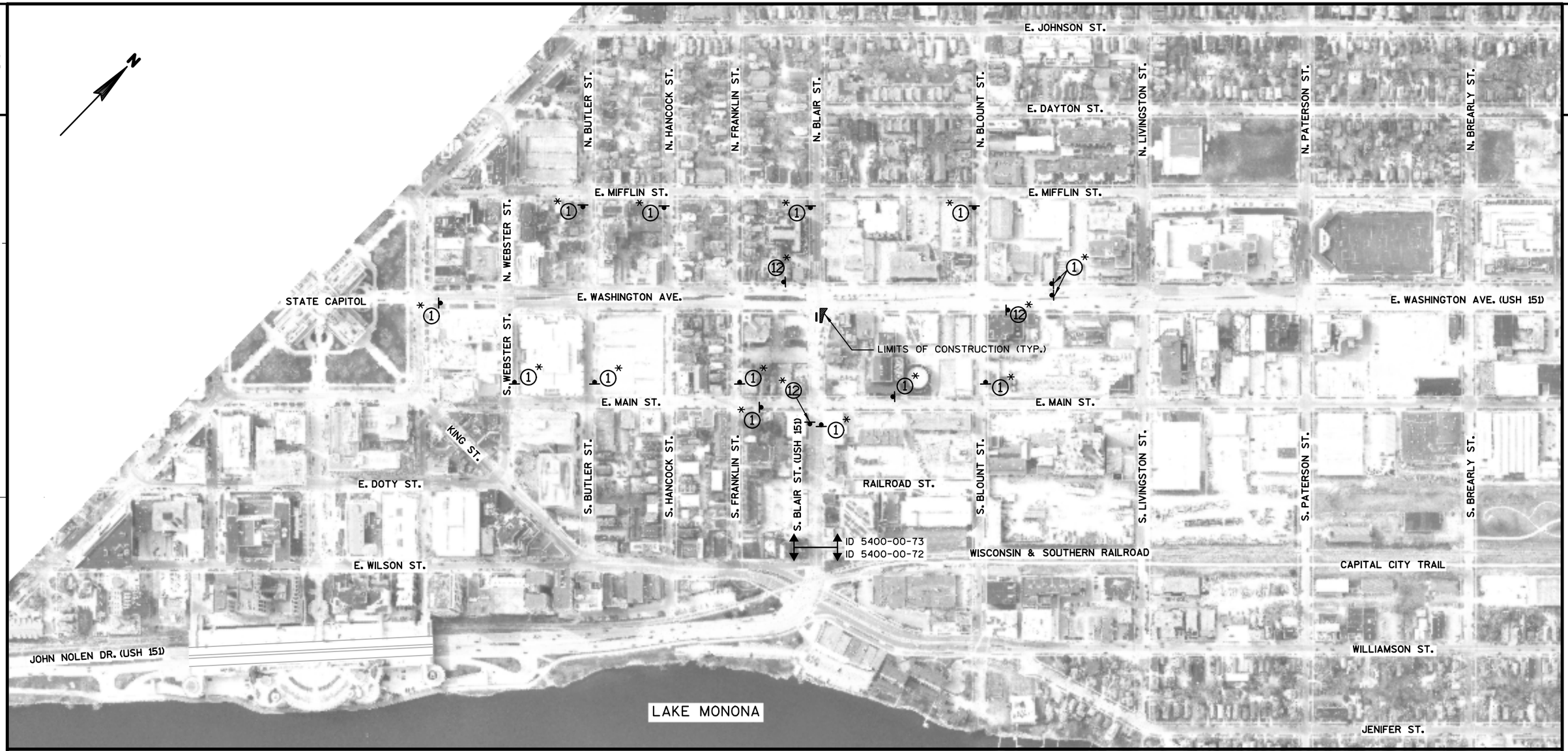
PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

1. ROAD WORK AHEAD W20-1A
2. LEFT LANE CLOSED AHEAD W20-55A
3. CENTER LANE CLOSED AHEAD W20-56A
4. RIGHT LANE CLOSED AHEAD W20-5A
5. LEFT TWO LANES CLOSED AHEAD W20-59A
6. RIGHT TWO LANES CLOSED AHEAD W20-58A
7. W04-2L
8. W04-2R
9. W9-3A
10. ROAD CLOSED AHEAD W20-3A
11. ROAD CLOSED 500 FT W20-3D
12. END ROAD WORK G20-2A 48" X 24"
13. RIGHT LANE CLOSED 500 FT W20-5D
14. RIGHT LANE CLOSED 1000 FT W20-5C
15. N BLAIR ST 36" X 12"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2F	SHEET 112	E



SEE TRAFFIC CONTROL SHEETS FOR ADDITIONAL INFORMATION

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
"TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY"
"TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE"
"TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE"
"TRAFFIC CONTROL, BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

PCMS TRAFFIC CONTROL SIGNS PCMS
(PRIOR TO CONSTRUCTION; SEE SPECIAL PROVISONS FOR ADDITIONAL INFORMATION)

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

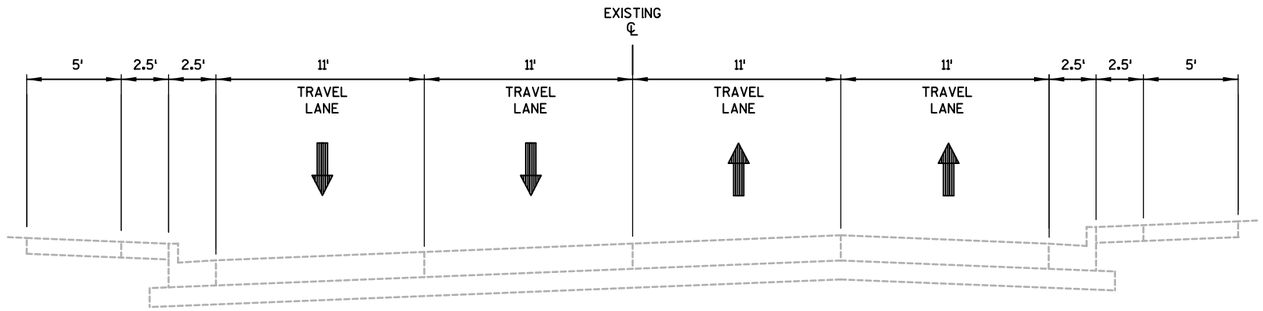
* TRAFFIC CONTROL ITEM PAID FOR UNDER ID 5400-00-73

① ROAD WORK AHEAD W20-1A
② LEFT LANE CLOSED AHEAD W20-55A
③ CENTER LANE CLOSED AHEAD W20-56A
④ RIGHT LANE CLOSED AHEAD W20-5A
⑤ LEFT TWO LANES CLOSED AHEAD W20-59A
⑥ RIGHT TWO LANES CLOSED AHEAD W20-58A
⑦ W04-2L
⑧ W04-2R
⑨ W9-3A
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⑪ ROAD CLOSED 500 FT W20-3D
⑫ END ROAD WORK G20-2A 48" X 24"
⑬ RIGHT LANE CLOSED 500 FT W20-5D
⑭ RIGHT LANE CLOSED 1000 FT W20-5C
⑮ N BLAIR ST 36" X 12"

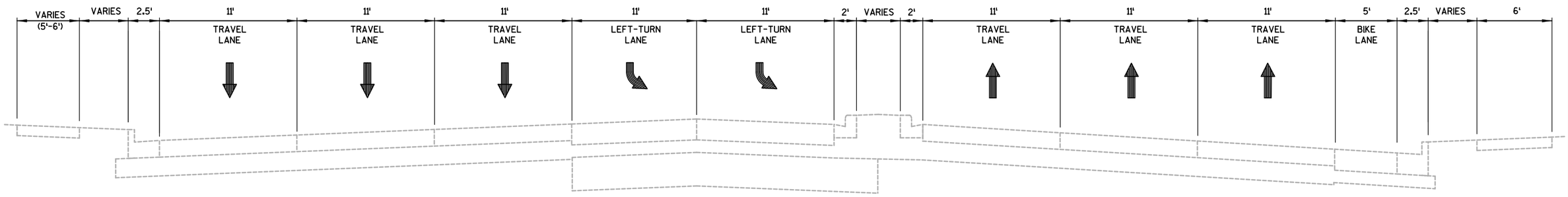
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WARNING - STAGE 2G	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026009_S2G_Advance Warning.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

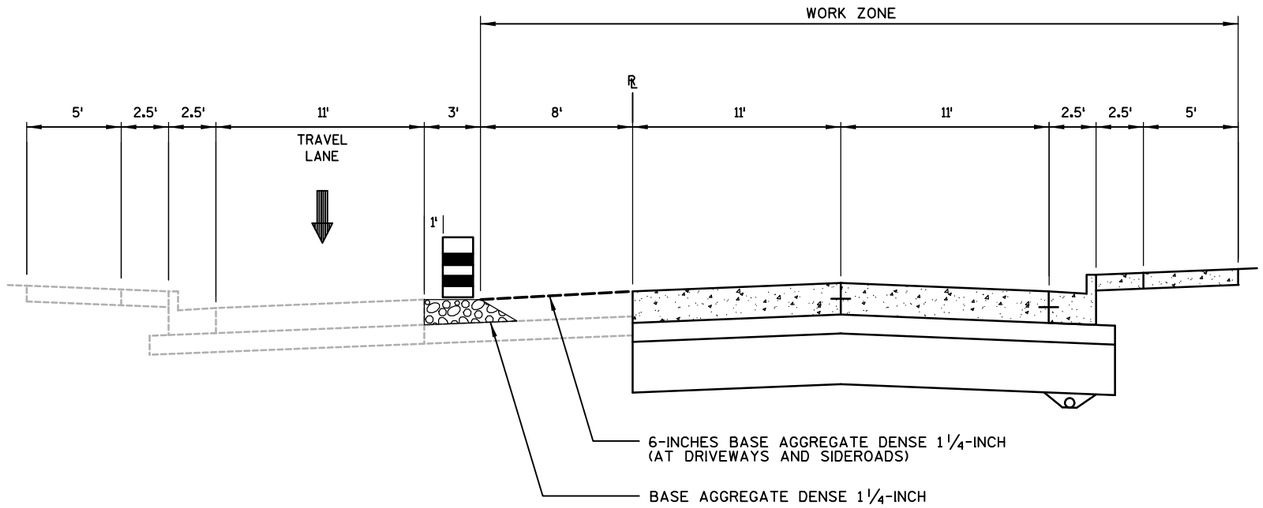
2



CONSTRUCTION STAGE 1A TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)

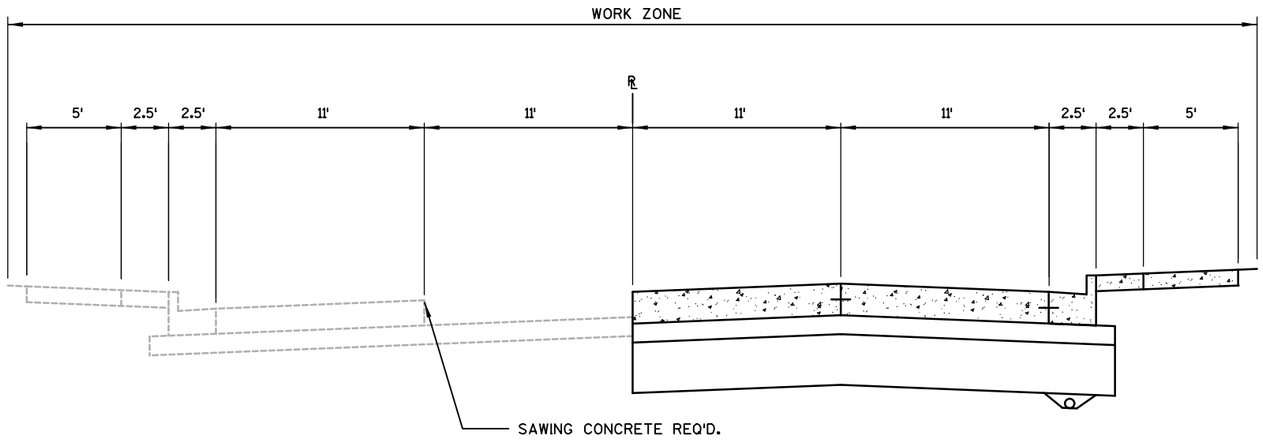


CONSTRUCTION STAGE 1A TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)



CONSTRUCTION STAGE 1B TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)

OPEN (WEEKDAYS: 7:00 A.M. TO 9:00 A.M.)



CONSTRUCTION STAGE 1B TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)

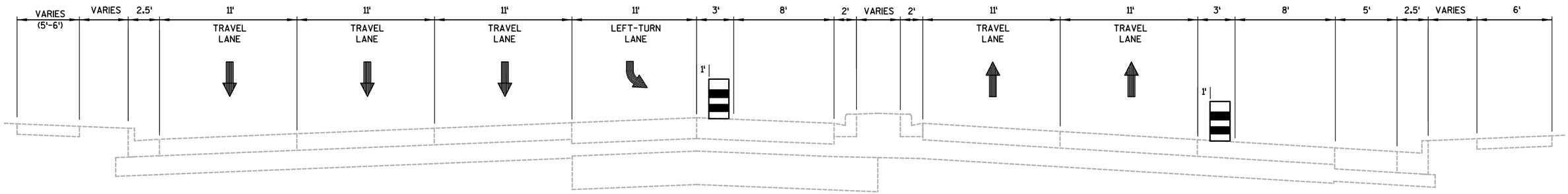
CLOSED

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1b Typicals.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

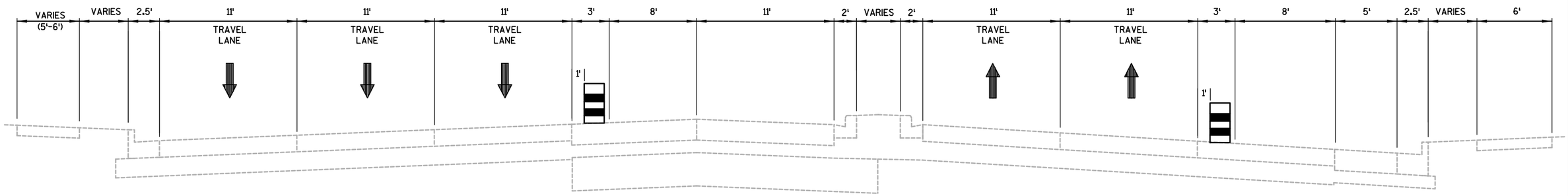
WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE 1B, PHASE 1 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

WHEN SOUTH BLAIR STREET OPEN (WEEKDAYS: 7:00 A.M. TO 9:00 A.M.)

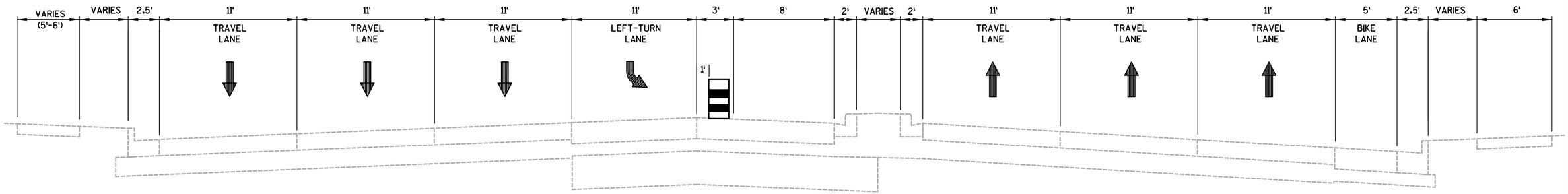


CONSTRUCTION STAGE 1B, PHASE 1 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

WHEN SOUTH BLAIR STREET CLOSED

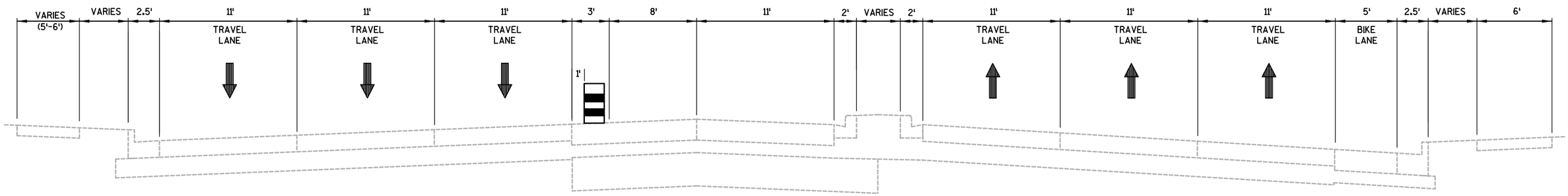
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B, PHASE 1	SHEET 116	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1b Typicals.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



CONSTRUCTION STAGE 1B, PHASE 2 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

WHEN SOUTH BLAIR STREET OPEN (WEEKDAYS: 7:00 A.M. TO 9:00 A.M.)



CONSTRUCTION STAGE 1B, PHASE 2 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

WHEN SOUTH BLAIR STREET CLOSED

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1B, PHASE 2	SHEET 117	E

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

E. WILSON ST.

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

USH 151 (S. BLAIR ST.)

MATCHLINE STAGE 1B, PHASE 1 - ID 5400-00-72

MATCHLINE STA. 53+50

LANE CLOSED
R11-2L
48" X 30"

ONE WAY
R6-2R
24" X 30"

ROAD CLOSED
R11-2
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

47+00 +50 48+00 +50 49+00 +50 50+00 51+00 +50 52+00 +50 53+00

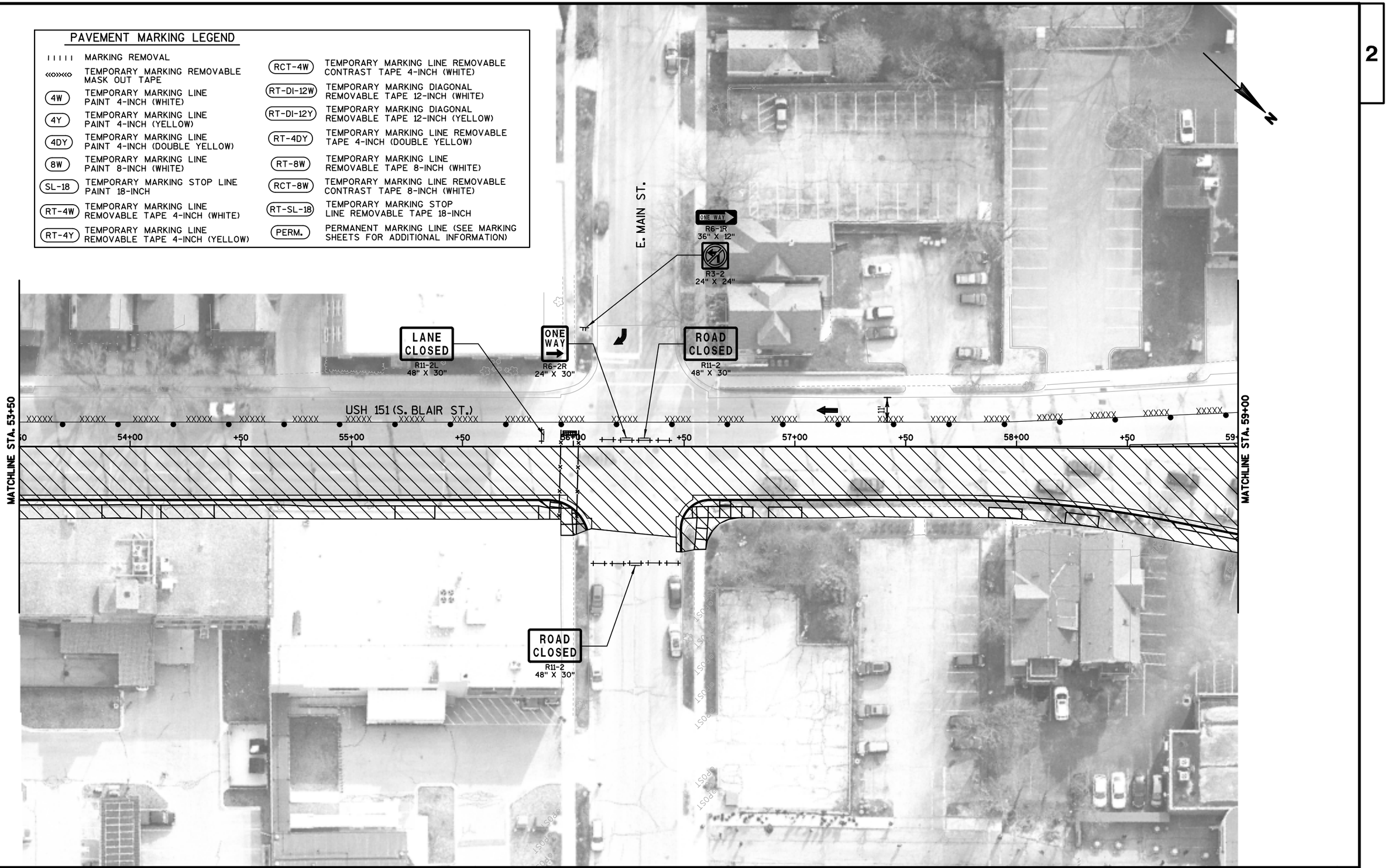
SL-18 8W 4Y (2' SEG; 6' GAP) 4W (2' SEG; 6' GAP) R=35' R=45' BIKE F CC

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Phase_1_0073_026400.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

|||||	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Phase_1_0073_026401.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

ıı ıı ıı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

S. WEBSTER ST.

S. BUTLER ST.

LANE CLOSED
R11-2L
48" X 30"

MAINTIAN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

219+00

MATCHLINE STA. 219+50

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Phase_1_0073_026402.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. HANCOCK ST.

N. FRANKLIN ST.

MATCHLINE STA. 219+50

220+00

+50

221+00

+50

222+00

+50

223+00

+50

224+00

+50

225+00

MATCHLINE STA. 225+50

E. WASHINGTON AVE.

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

S. HANCOCK ST.

S. FRANKLIN ST.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Phase_1_0073_026403.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

E. Washington Ave EAST

S. Blair St

E. Washington Ave WEST

TRAFFIC CONTROL COVERING SIGNS TYPE I REQ'D

TRAFFIC CONTROL COVERING SIGNS TYPE I REQ'D

R3-8(LX)(F) 36" X 30"

R3-8(LX)(F) 36" X 30"

RT-8W

11'

100'

N. BLAIR ST.

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

ONLY

ONLY

LANE CLOSED R11-2L 48" X 30"

4Y

MATCHLINE STA. 225+50

MATCHLINE STA. 231+50

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

LANE CLOSED R11-2L 48" X 30"

LANE CLOSED R11-2L 48" X 30"

LANE CLOSED R11-2L 48" X 30"

8W

60'

50'

BEGIN RIGHT TURN LANE R3-20R 24" X 36"

W01-6 48" X 24"

USH 151 (S. BLAIR ST.)

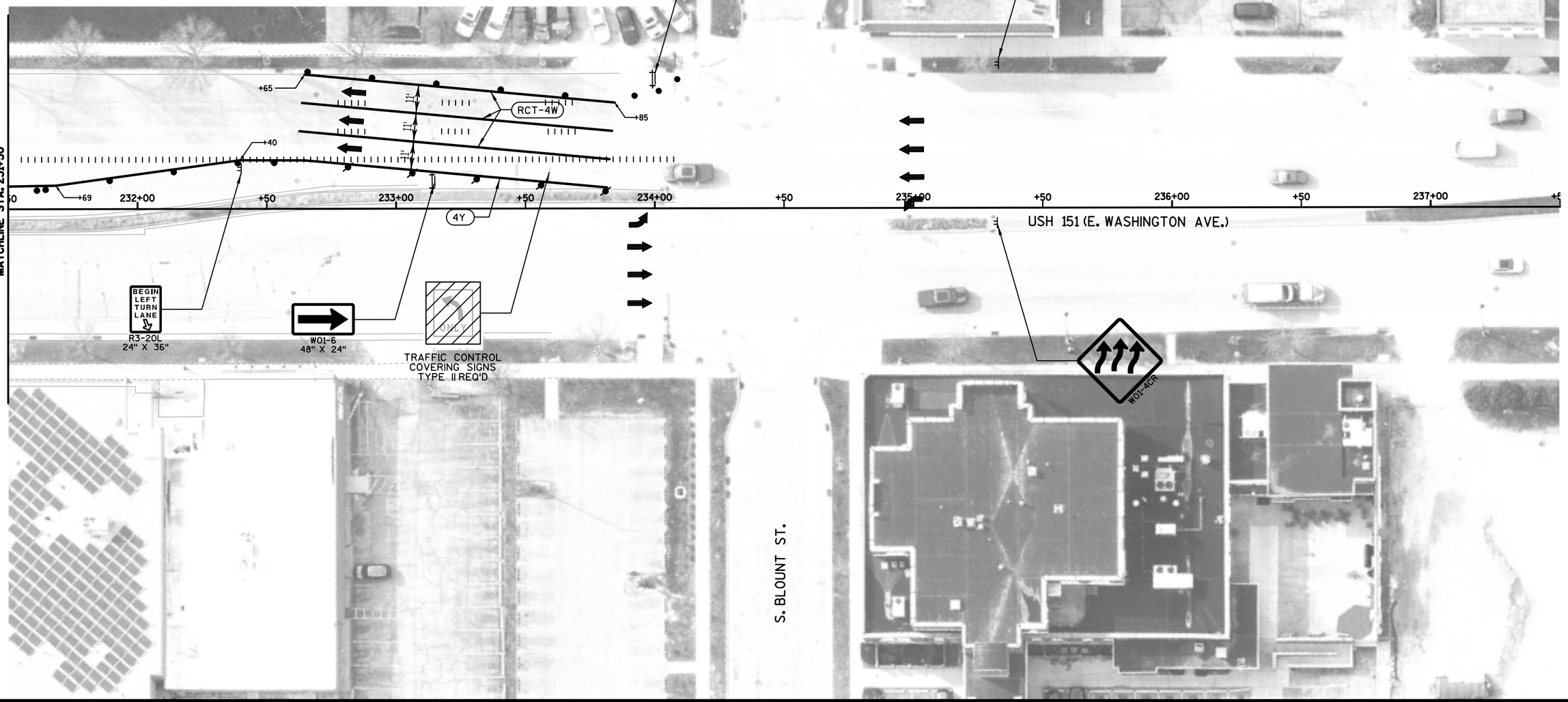
MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Phase_1_0073_026404.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

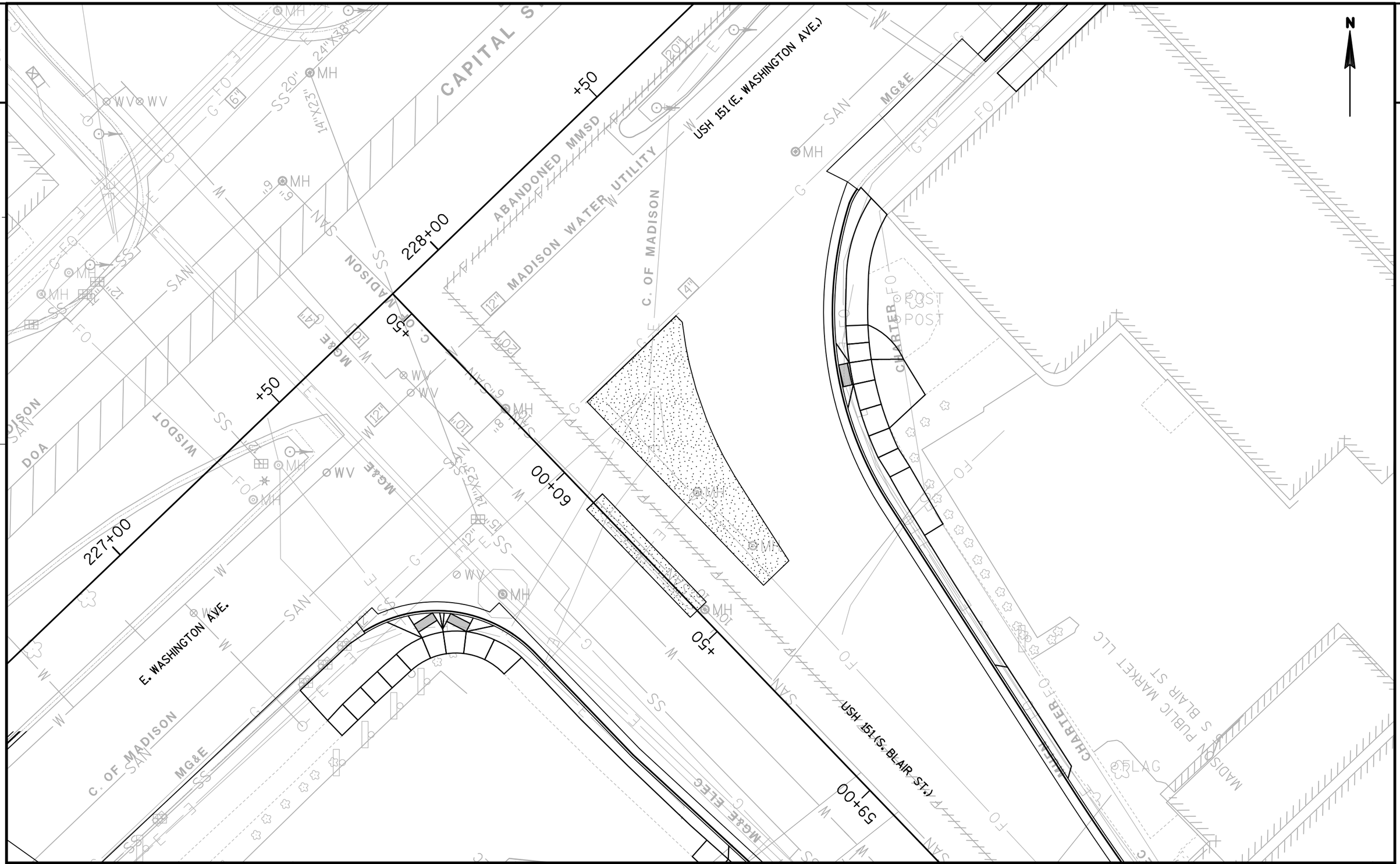
PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1	SHEET 123	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Phase_1_0073_026405.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT LAYOUT - STAGE 1B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026160_s1B_Temp Pavt Layout.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

E. WILSON ST.

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

USH 151 (S. BLAIR ST.)

MATCHLINE PROJECT ID 5400-00-72

MATCHLINE STA. 53+50

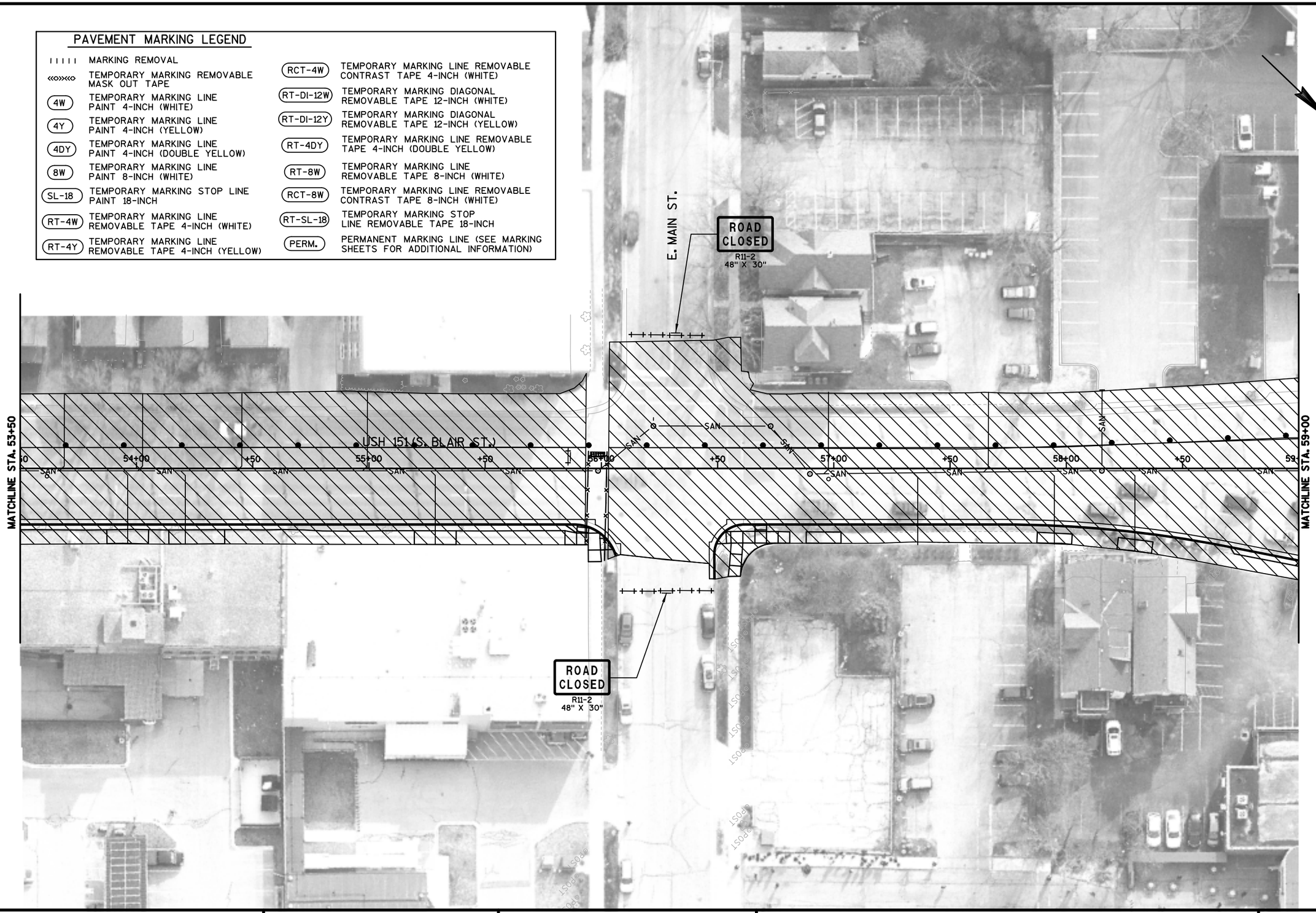
ROAD CLOSED
R11-2
48" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1 - BLAIR ST. CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026161_s1B_Phase 1 CLOSED_0073_026400.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1 - BLAIR ST. CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026161_s1B_Phase 1 CLOSED_0073_026401.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

R3-8(L)(R)
36" X 30"

R3-8(L)(R)
36" X 30"

N. BLAIR ST.

11'

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

R3-1
24" X 24"

SEE ADAVNCE WARNING SHEETS FOR MESSAGE

PCMS

MATCHLINE STA. 225+50 - STAGE 1B, PHASE 1

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

MATCHLINE STA. 231+50

SEE ADAVNCE WARNING SHEETS FOR MESSAGE

PCMS

ONE WAY
R6-2L
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

USH 151 (S. BLAIR ST.)

60

+50

+00

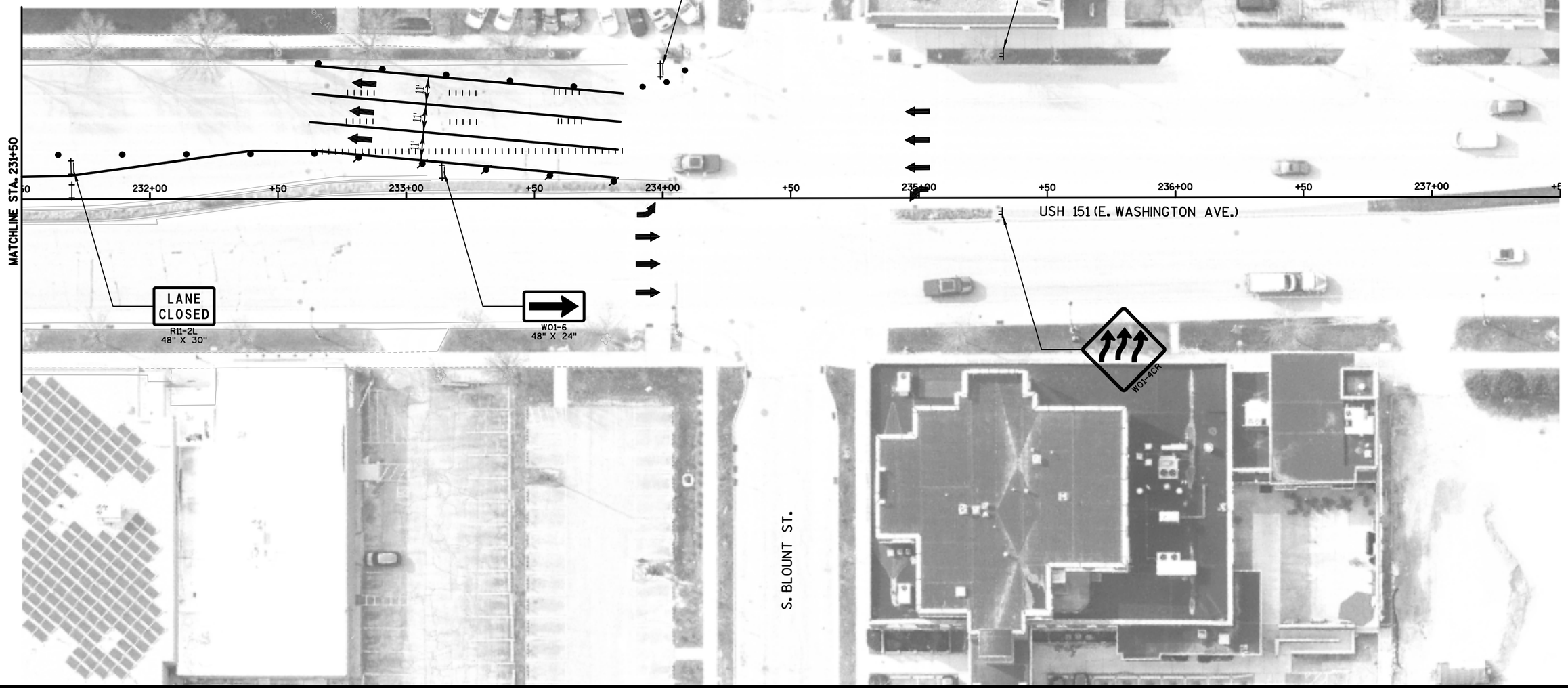
MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1 - BLAIR ST. CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026161_s1B_Phase 1 CLOSED_0073_026404.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 1 - BLAIR ST. CLOSED	SHEET 128	E

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

R3-8(L)(F)
36" X 30"

R3-8(L)(F)
36" X 30"

N. BLAIR ST.

11'

LANE CLOSED
R11-2L
48" X 30"

E. WASHINGTON AVE.

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00

USH 151 (E. WASHINGTON AVE.)

8W

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

USH 151 (S. BLAIR ST.)

+50 60+00 +50 00

MATCHLINE STA. 59+00 - STAGE 1B, PHASE 1

MATCHLINE STA. 231+50 - STAGE 1B, PHASE 1

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 2	SHEET 129	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026162_s1B_Phase 2_0073_026414.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

E. WILSON ST.

BIKE

47+00

+50

48+00

49+00

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

SAN

50+00

51+00

52+00

53+00

USH 151 (S. BLAIR ST.)

MATCHLINE PROJECT ID 5400-00-72

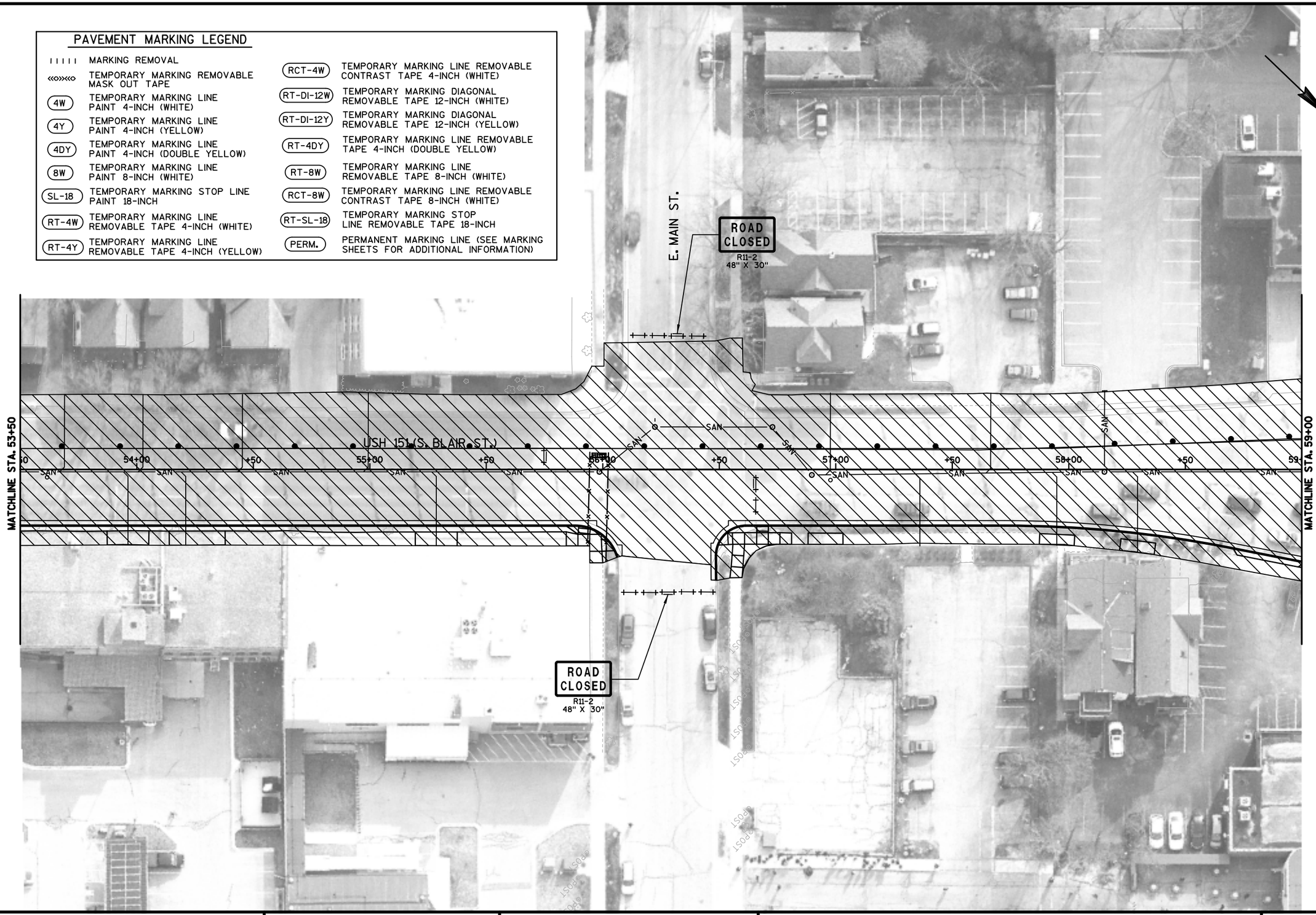
MATCHLINE STA. 53+50

ROAD CLOSED
R11-2
48" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 2 - BLAIR ST. CLOSED	SHEET 130	E

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 2 - BLAIR ST. CLOSED	SHEET 131 E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026206_s1B_Phase 2 CLOSED_0073_026401.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

R3-8(L)(R)
36" X 30"

R3-8(L)(R)
36" X 30"

N. BLAIR ST.

11'

100'

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

SEE ADAVNCE WARNING SHEETS FOR MESSAGE

PCMS

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

SEE ADAVNCE WARNING SHEETS FOR MESSAGE

PCMS

ONE WAY
R6-2L
24" X 30"

60+00

+11.6
58.43 RT

R3-1
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

USH 151 (S. BLAIR ST.)

MATCHLINE STA. 59+00

MATCHLINE STA. 231+50 - STAGE 1B, PHASE 1 - BLAIR ST. CLOSED

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 2 - BLAIR ST. CLOSED	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026206_s1B_Phase 2 CLOSED_0073_026404.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

R3-8(L)(R)
36" X 30"

R3-8(L)(R)
36" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

LANE CLOSED
R11-2L
48" X 30"

N. BLAIR ST.

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

REPLACE REMOVED PAVEMENT WITH A MIMIMUM OF 4-INCHES ASPHALTIC SURFACE TEMPORARY OVER 10-INCHES BASE AGGREGATE DENSE 1¼-INCH

W01-6
48" X 24"

CLOSE AND DETOUR EASTBOUND EAST WASHINGTON AVENUE. SEE ADVANCE WARNING SHEETS FOR ADDITIONAL INFORMATION.

60+00 +50 61+00 +50

USH 151 (S. BLAIR ST.)

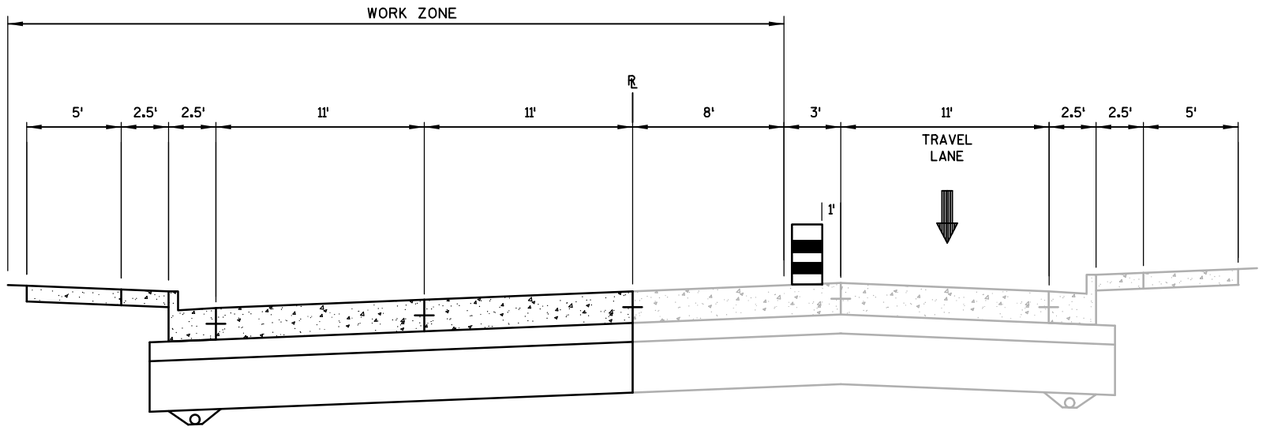
MATCHLINE STA. 59+00 - STAGE 1, PHASES 1 & 2

MATCHLINE STA. 231+50 - STAGE 1, PHASES 1 & 2

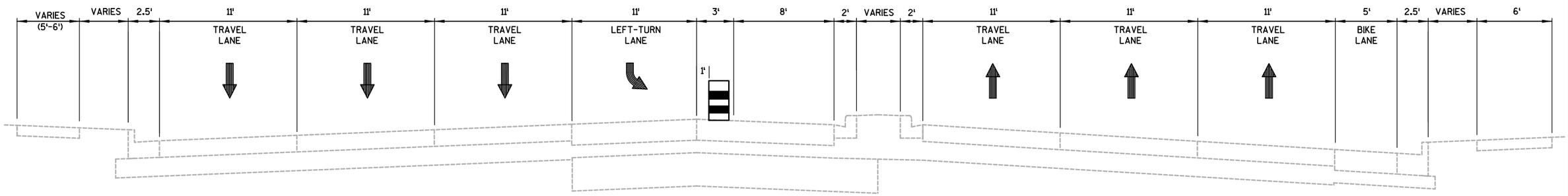
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1B, PHASE 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026220_s1B_Phase_3_0073_026404_E Wash San Connection.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



CONSTRUCTION STAGE 1C, PHASE 1 TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)

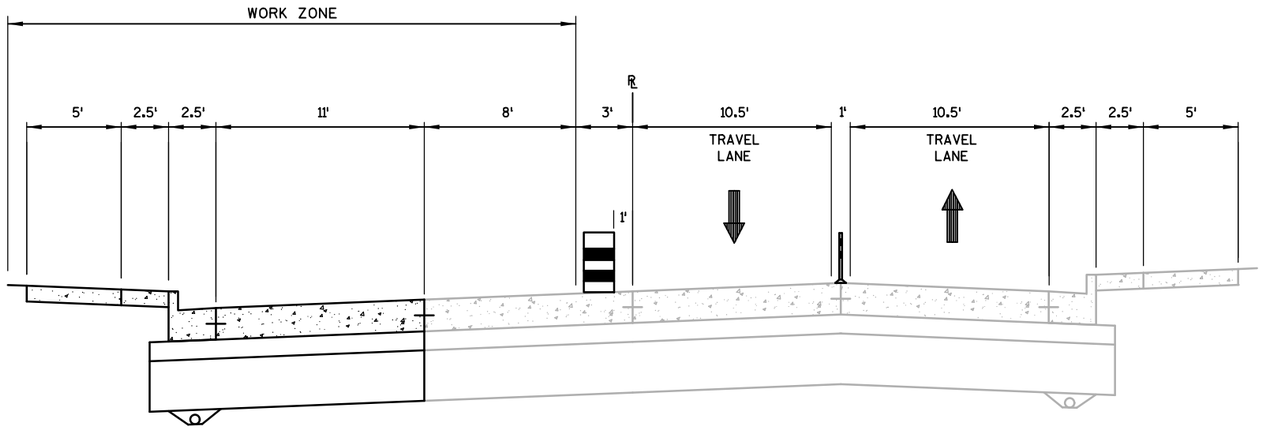


CONSTRUCTION STAGE 1C, PHASE 1 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

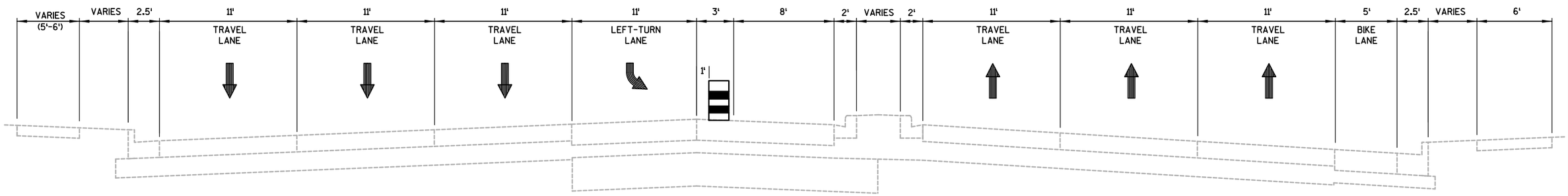
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026258_s1C_Typicals.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



CONSTRUCTION STAGE 1C, PHASES 2 & 3 TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 1C, PHASES 2 & 3 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1C, PHASES 2 & 3	SHEET 135	E

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

E. WILSON ST.

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

MATCHLINE STAGE 1C, PHASE 1 - ID 5400-00-72

MATCHLINE STA. 53+50

USH 151 (S. BLAIR ST.)

47+00 +50 48+00 +50 49+00 +50 50+00 +50 51+00 +50 52+00 +50 53+00

BIKE

14'

11'

ONE WAY
R6-2L
24" X 30"

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

PERM.

R3-1
24" X 24"

ONE WAY
R6-1L
36" X 12"

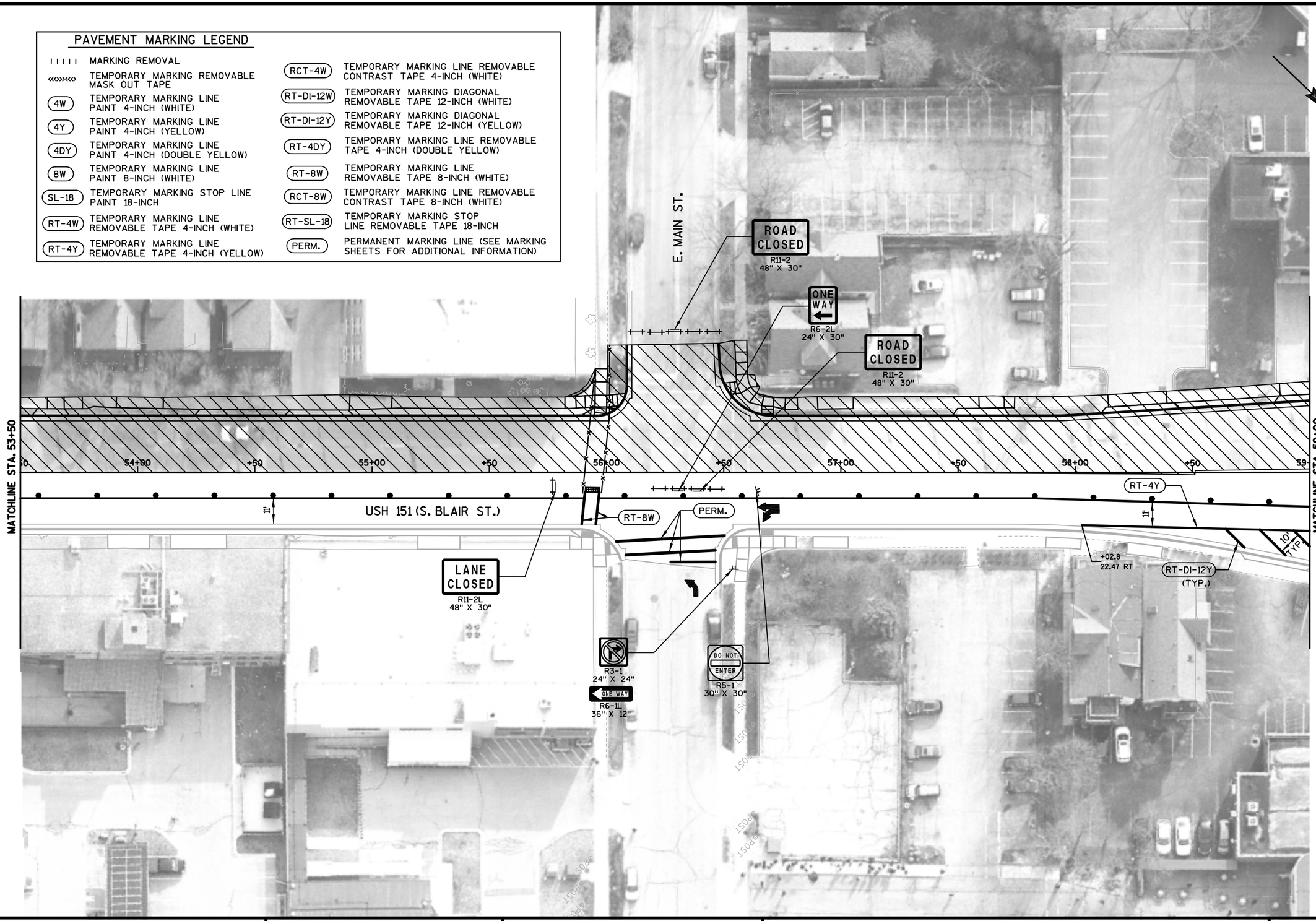
DO NOT ENTER
R5-1
30" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026259_s1C_Phase 1_0073_026420.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

|||||	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026259_s1C_Phase 1_0073_026421.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

MATCHLINE STA. 219+50

S. WEBSTER ST.

S. BUTLER ST.

LANE CLOSED
R11-2L
48" X 30"

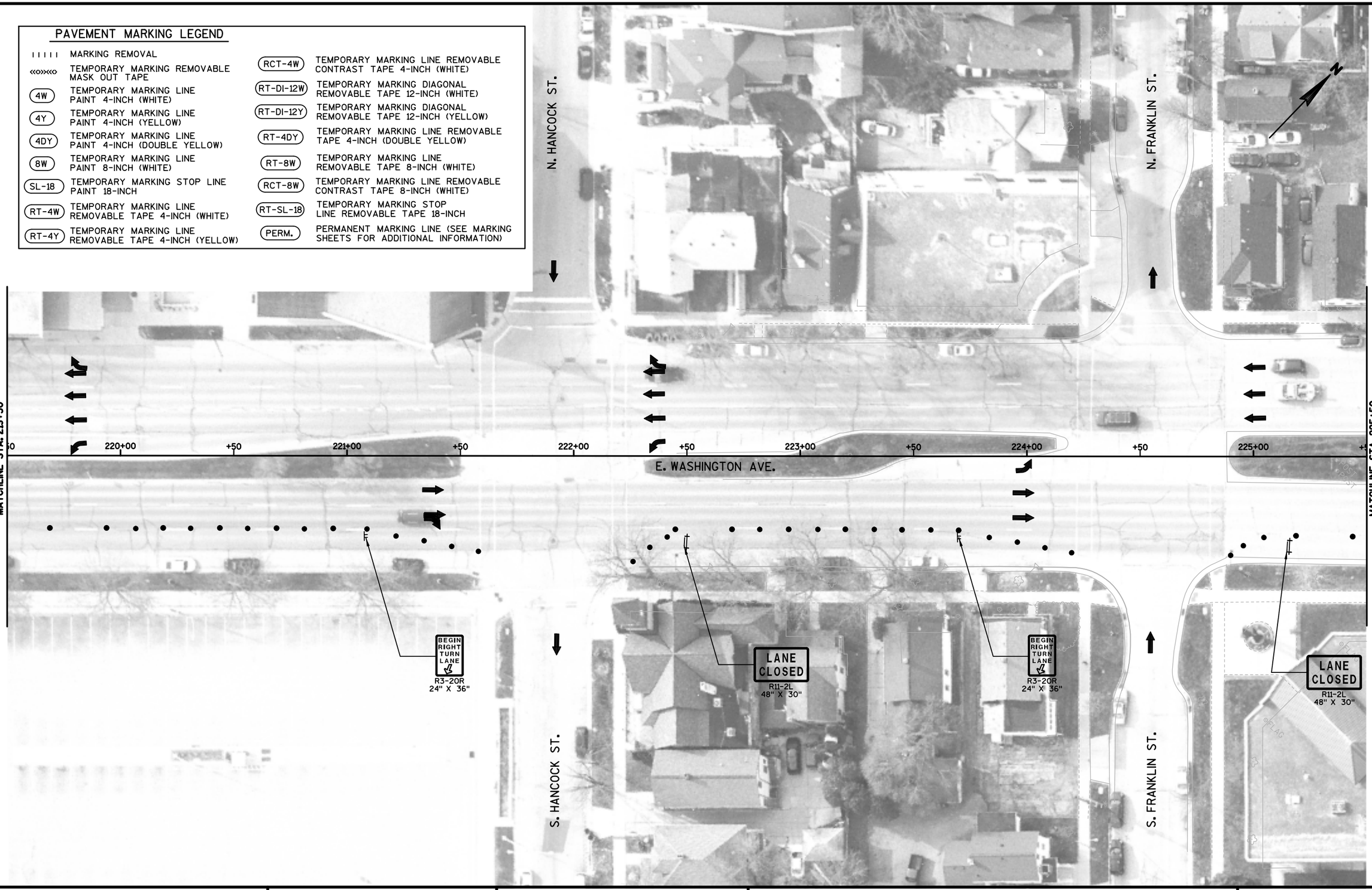
MAINTIAN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026259_s1C_Phase 1_0073_026423.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

R3-8(E)(R) 36" X 30"

R3-8(E)(R) 36" X 30"

N. BLAIR ST.

11'

100'

RT-8W

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 225+50

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

MATCHLINE STA. 231+50

+50 60+00 +50 60

+94.8
55.13 RT

+00.1
64.41 RT

RT-8W

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

TEMPORARY PEDESTRIAN SURFACE ASPHALT REQ'D

TEMPORARY BUS STOP PAD REQ'D (PAID FOR AS TEMPORARY PEDESTRIAN SURFACE ASPHALT AND TEMPORARY PEDESTRIAN CURB RAMP)

10:1 TAPER

11'

10' TYP.

USH 151 (S. BLAIR ST.)

RT-DI-12Y (TYP.)

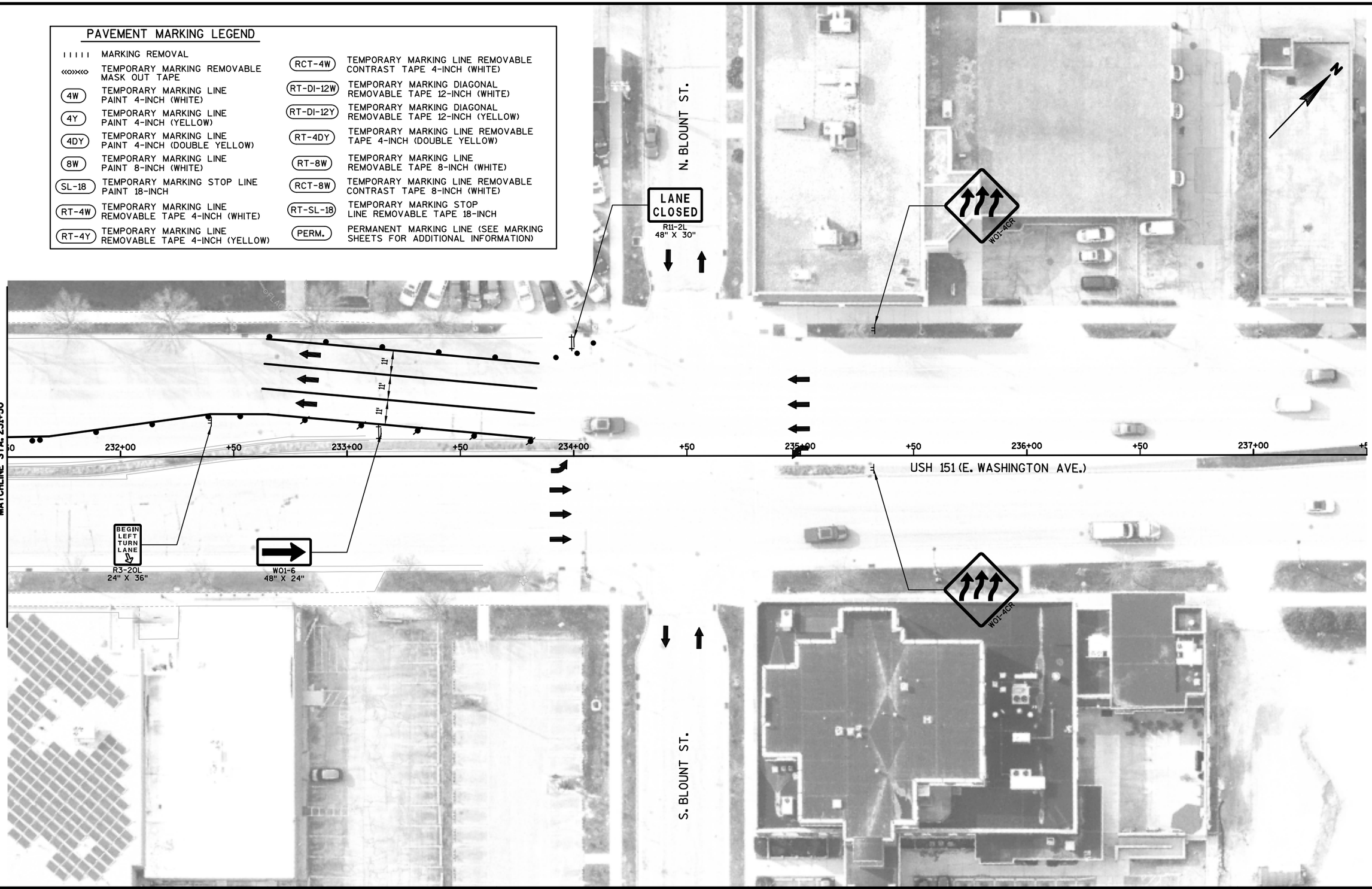
RT-4Y

MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET 140	E

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026259_s1C_Phase 1_0073_026425.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

E. WILSON ST.

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

USH 151 (S. BLAIR ST.)

MATCHLINE STAGE 1C, PHASES 2 & 3 - ID 5400-00-72

MATCHLINE STA. 53+50

DO NOT PASS
R4-1
24" X 30"

LANE CLOSED
R11-2L
48" X 30"

ROAD CLOSED
R11-2
48" X 30"

R3-2
24" X 24"

W01-7
48" X 24"

RT-4DY

W06-3

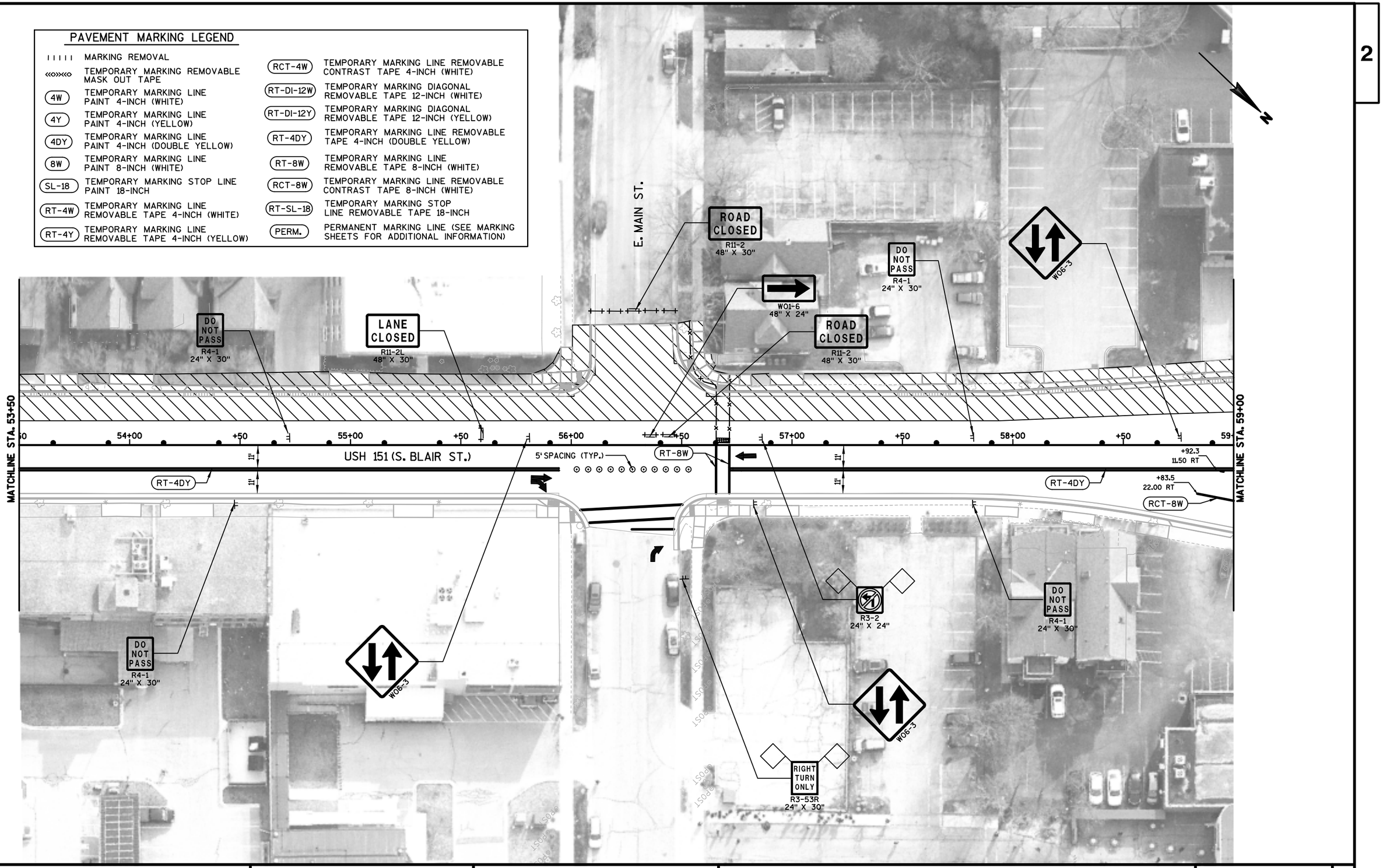
W06-3

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASES 2 & 3	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026309_s1C_Phase 2_0073_026430.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

|||||	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASES 2 & 3	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026309_s1C_Phase 2_0073_026431.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

R3-8(L)(E)(R)
54" X 30"

R3-8(L)(E)(R)
54" X 30"

N. BLAIR ST.

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

USH 151 (S. BLAIR ST.)

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

60+00 +50 00

SL-18
8W
8W
8W
+86.9
10.50 RT

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

RT-SL-18 (TYP.)
RCT-8W
RCT-4W (2' SEG., 6' GAP)
RCT-8W
RT-4DY

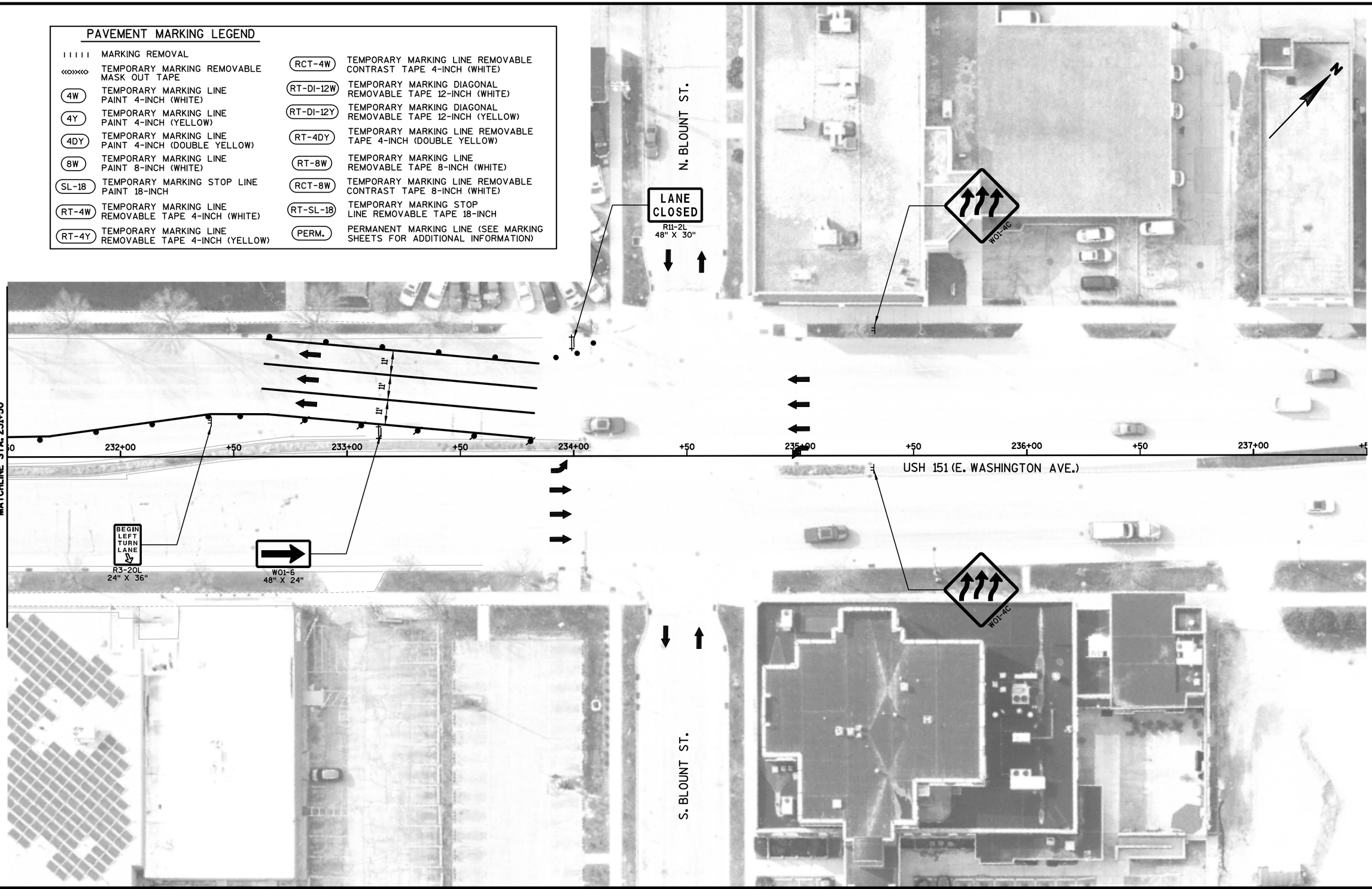
MATCHLINE STA. 59+00

MATCHLINE STA. 231+50

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASES 2 & 3	SHEET 144 E

PAVEMENT MARKING LEGEND

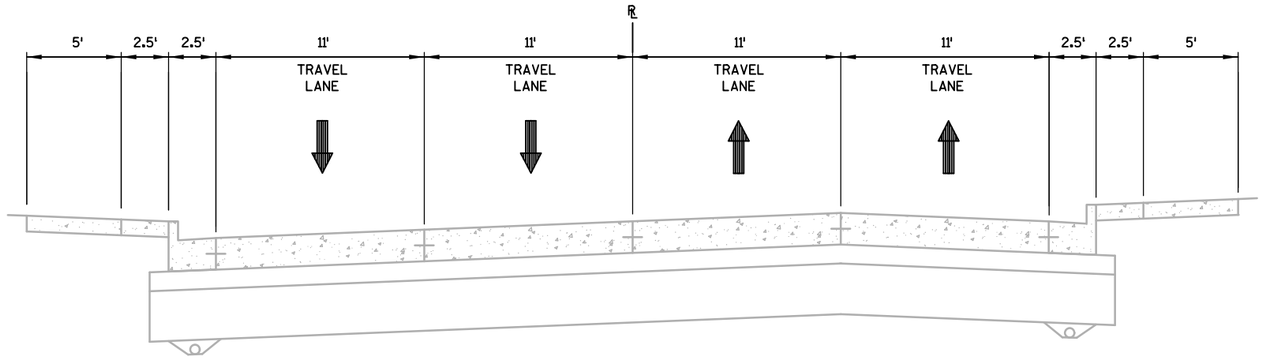
IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



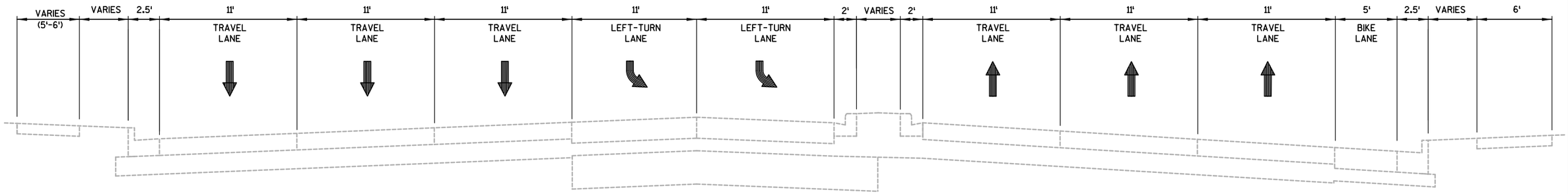
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1C, PHASES 2 & 3	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026309_s1C_Phase 2_0073_026435.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE 1D, PHASES 1 & 2 TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 1D, PHASES 1 & 2 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1D, PHASES 1 & 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026408_s1D_Typicals.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

E. WILSON ST.

WILLIAMSON ST.

WISCONSIN & SOUTHERN RAILROAD

MATCHLINE STAGE 1D, PHASES 1 & 2 - ID 5400-00-72

RT-4Y

PERM.

RCT-4W

USH 151 (S. BLAIR ST.)

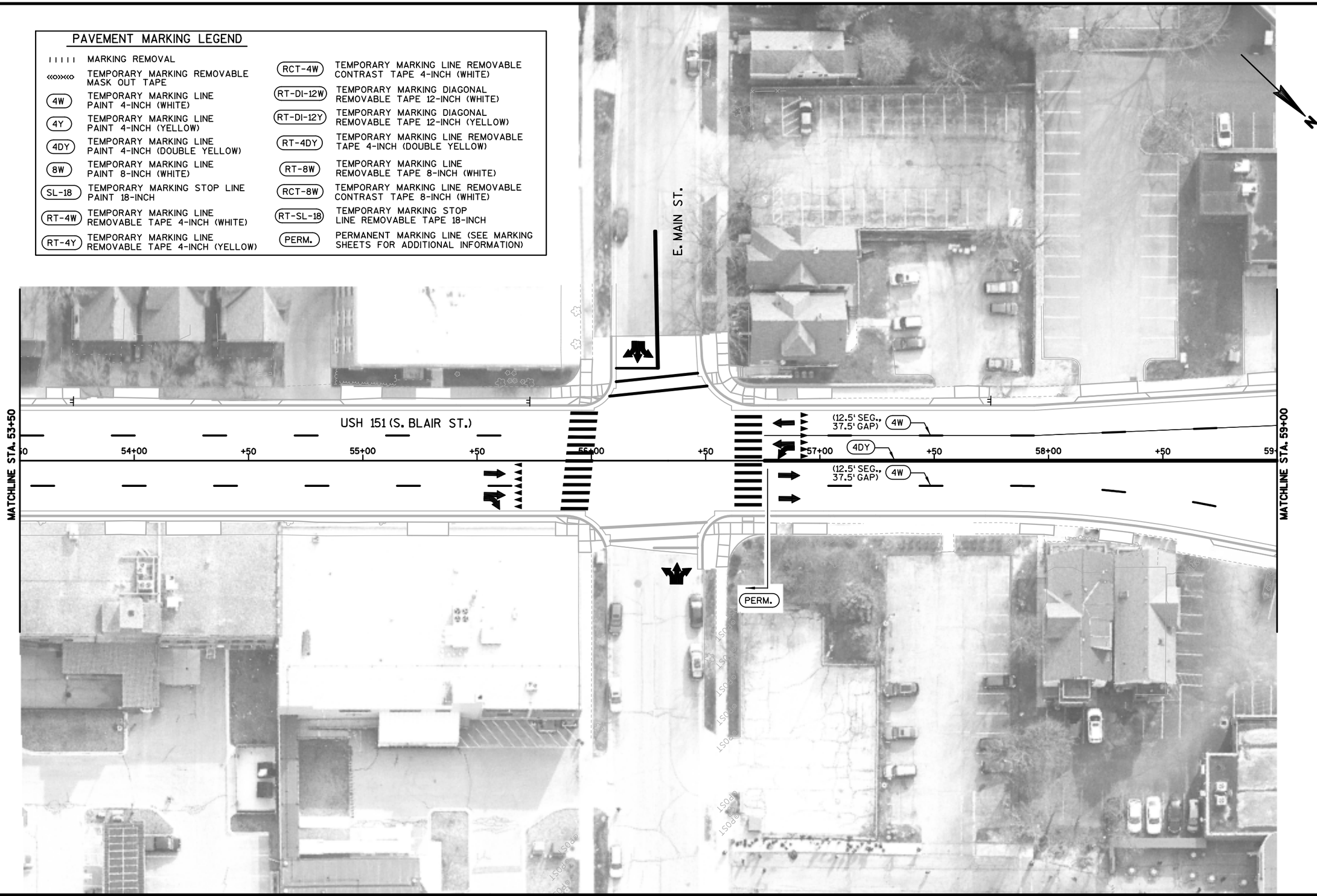
LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASES 1 & 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026409_s1D_Phase 1_0073_026450.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASES 1 & 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026409_s1D_Phase 1_0073_026451.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

ııııı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N

N. BLAIR ST.

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

+50 60+00 +50 00

4DY

USH 151 (S. BLAIR ST.)

SL-18 (TYP.)

8W

4W (12.5' SEG., 37.5' GAP)(TYP.)

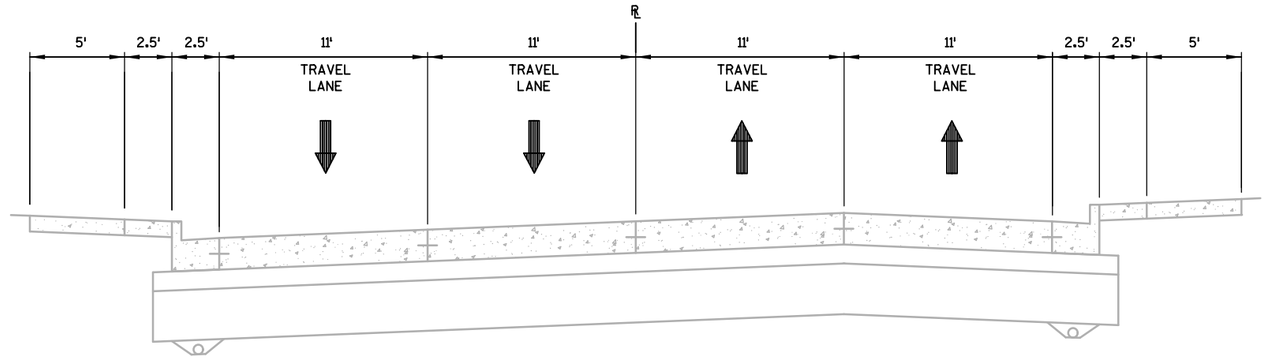
+09.4

MATCHLINE STA. 59+00

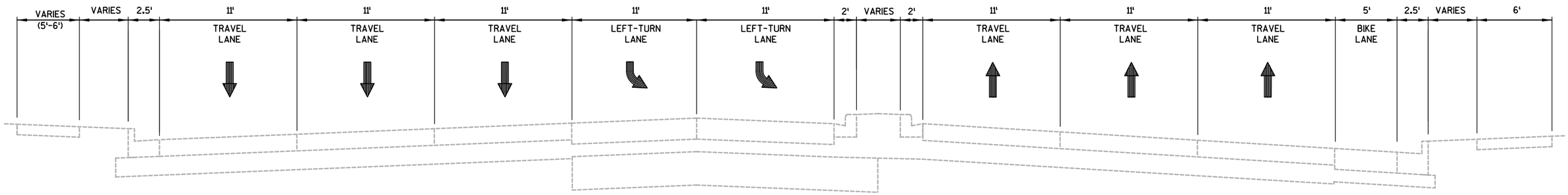
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1D, PHASES 1 & 2	SHEET 149	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026409_s1D_Phase 1_0073_026454.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 1E TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 1E TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 1E	SHEET 150	E

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N

E. WILSON ST.

BIKE

47+00

48+00

48+50

49+00

50+00

+50

WILLIAMSON ST.

ONLY

WISCONSIN & SOUTHERN RAILROAD

MATCHLINE - ID 5400-00-72

USH 151 (S. BLAIR ST.)

RT-4Y

+49

51+00

+74

52+00

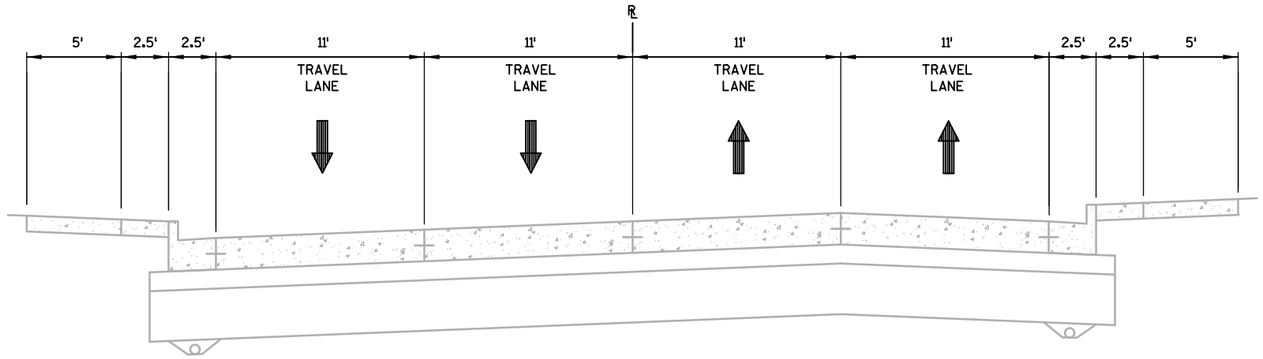
53+00

LANE CLOSED
R11-2L
48" X 30"

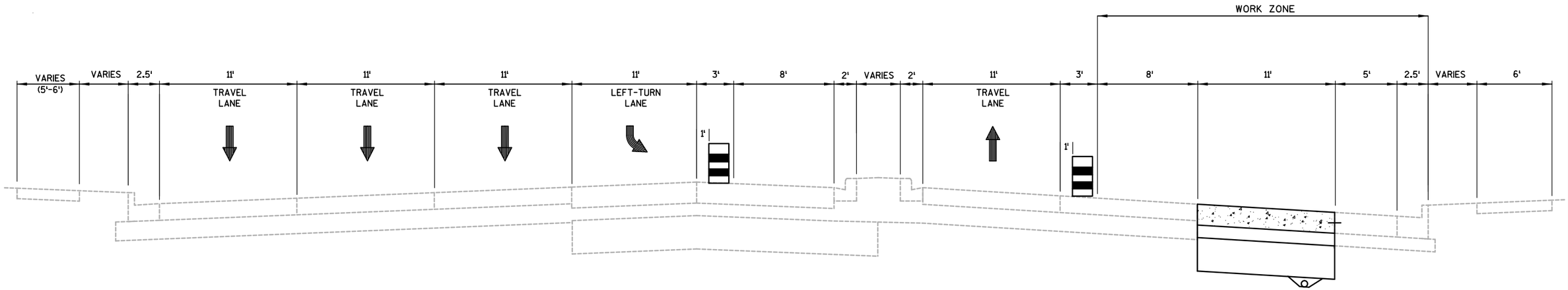
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 1E	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026459_s1E_0073_026520.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE 2A, PHASES 1 & 2 TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



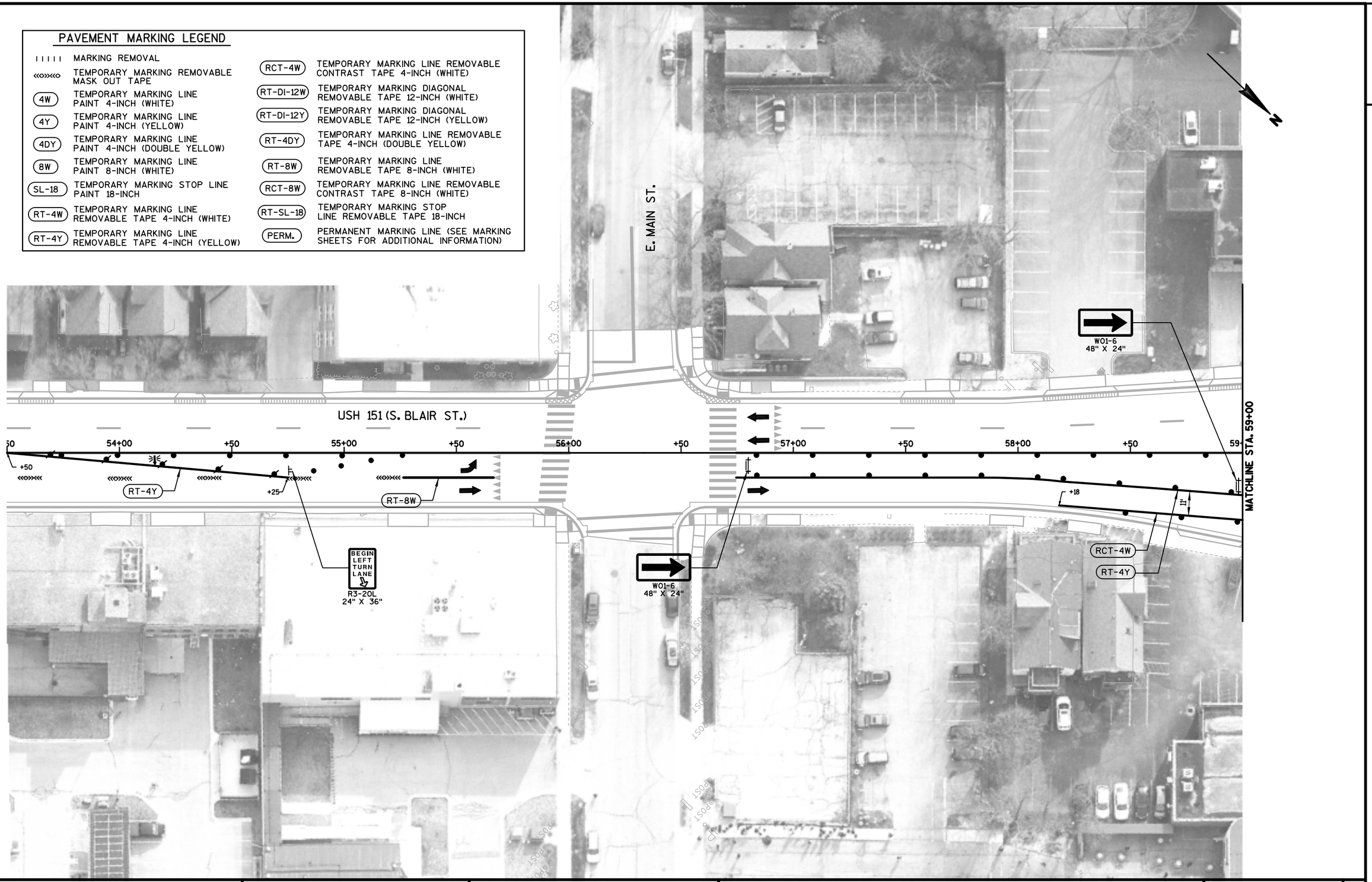
CONSTRUCTION STAGE 2A, PHASES 1 & 2 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2A, PHASES 1 & 2	SHEET 152	E

2

PAVEMENT MARKING LEGEND

|||||	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026501_s2A_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

S. WEBSTER ST.

S. BUTLER ST.

LANE CLOSED
R11-2L
48" X 30"

MAINTAIN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

219+00

RCT-4W

«»«»«»

+00

MATCHLINE STA. 219+50

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 1	SHEET 154	E

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. HANCOCK ST.

N. FRANKLIN ST.

MATCHLINE STA. 219+50

220+00 +50 221+00 +50 222+00 +50 223+00 +50 224+00 +50 225+00 +50

MATCHLINE STA. 225+50

E. WASHINGTON AVE.

RCT-4W

+45

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

S. HANCOCK ST.

S. FRANKLIN ST.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026503_s2A_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

E. Washington Ave EAST

S. Blair St

E. Washington Ave EAST

E. Washington Ave WEST

N. BLAIR ST.

ONLY

R3-8(L)(F)
36" X 30"

TRAFFIC CONTROL COVERING SIGNS TYPE I REQ'D

TRAFFIC CONTROL COVERING SIGNS TYPE I REQ'D

11'

100'

RT-8W

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 225+50

226+00

+50

227+00

+50

228+00

+50

229+00

+50

230+00

+50

231+00

MATCHLINE STA. 231+50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

LANE CLOSED
R11-2L
48" X 30"

RIGHT TURN ONLY
R3-53R
24" X 30"

EXCEPT BUSES
R3-5(MOD)
24" X 9"

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

10' SPACING (TYP.)

W01-6
48" X 24"

+30.8

+17.7

R=89'

+22.9
120.99 RT

11'

RCT-4W

RT-4Y

USH 151 (S. BLAIR ST.)

+50

60+00

+50

00

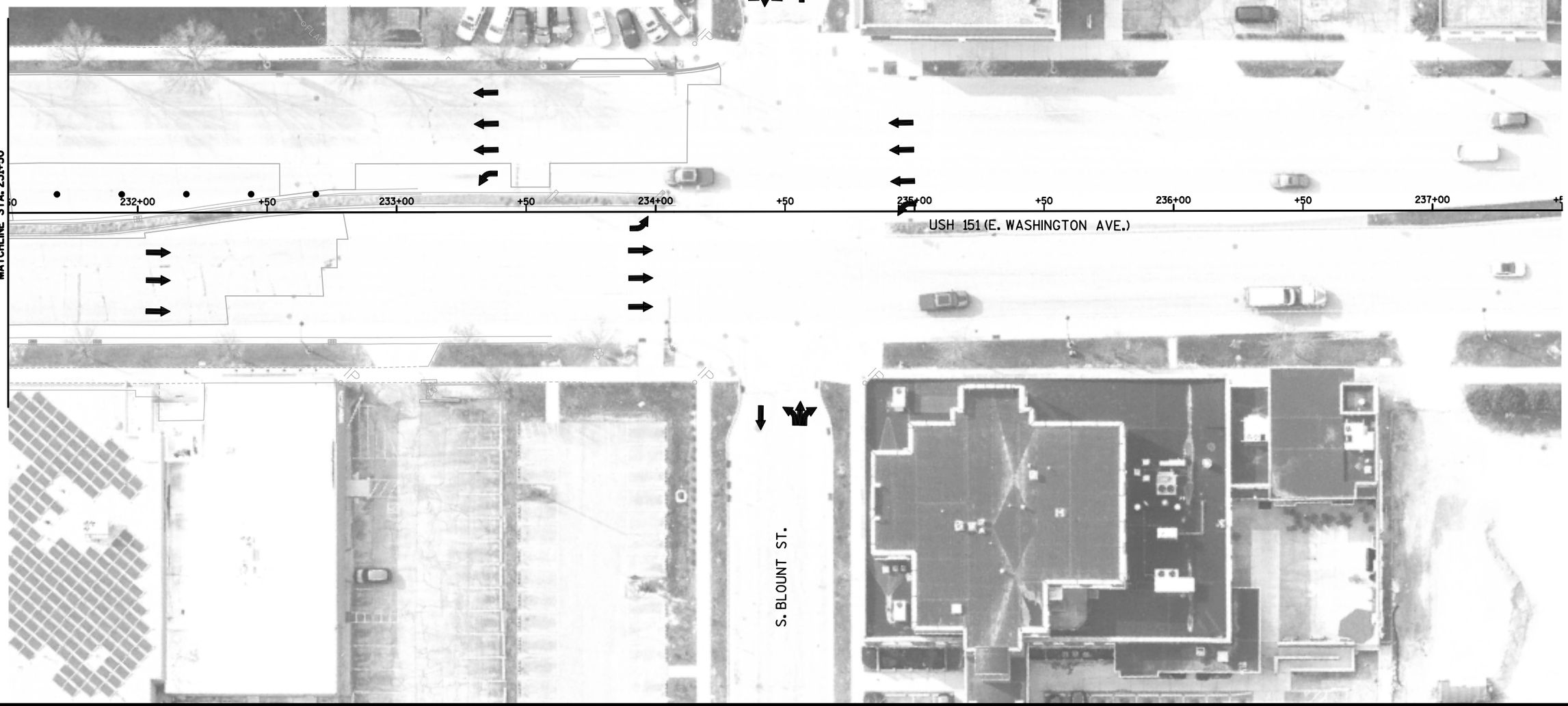
MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026504_s2A_Phase 1.dgn PLOT DATE : 9/9/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

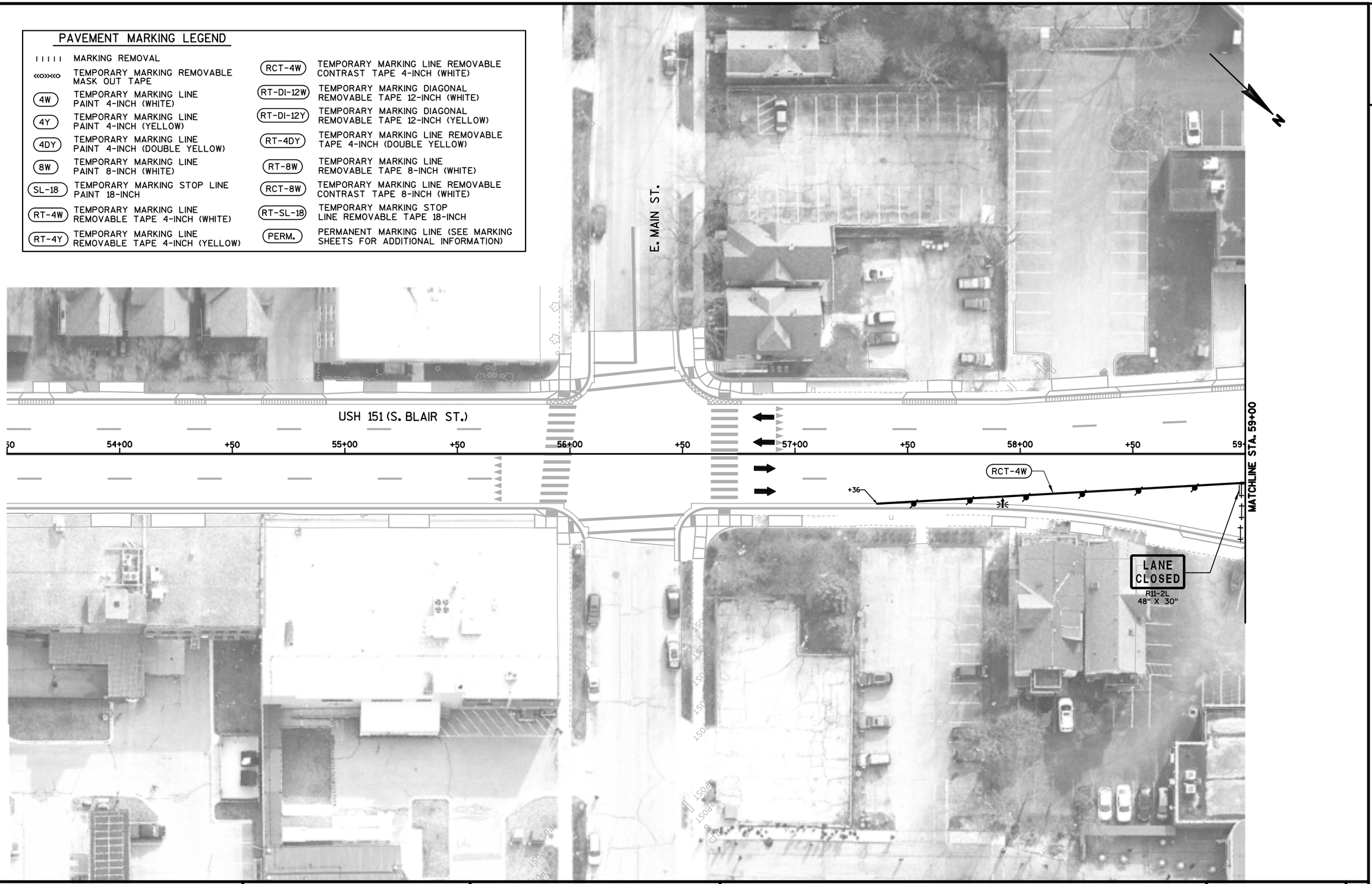


PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 1	SHEET 157 E

2

PAVEMENT MARKING LEGEND

|||||	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026511_s2A_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

2

2

ONLY ONLY
R3-8(L)(A)(F)
54" X 30"

ONLY ONLY
R3-8(L)(A)(F)
54" X 30"

N. BLAIR ST.

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

MATCHLINE STA. 225+50 - STAGE 2A, PHASE 1

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

MATCHLINE STA. 231+50

11'

SAN

RIGHT TURN ONLY
R3-53R
24" X 30"

EXCEPT BUSES
R3-5(MOD)
24" X 9"

LANE CLOSED
R11-2L
48" X 30"

10' SPACING (TYP.)

LANE CLOSED
R11-2L
48" X 30"

+50 60+00 +50 00

USH 151 (S. BLAIR ST.)

12'

+33
11 RT

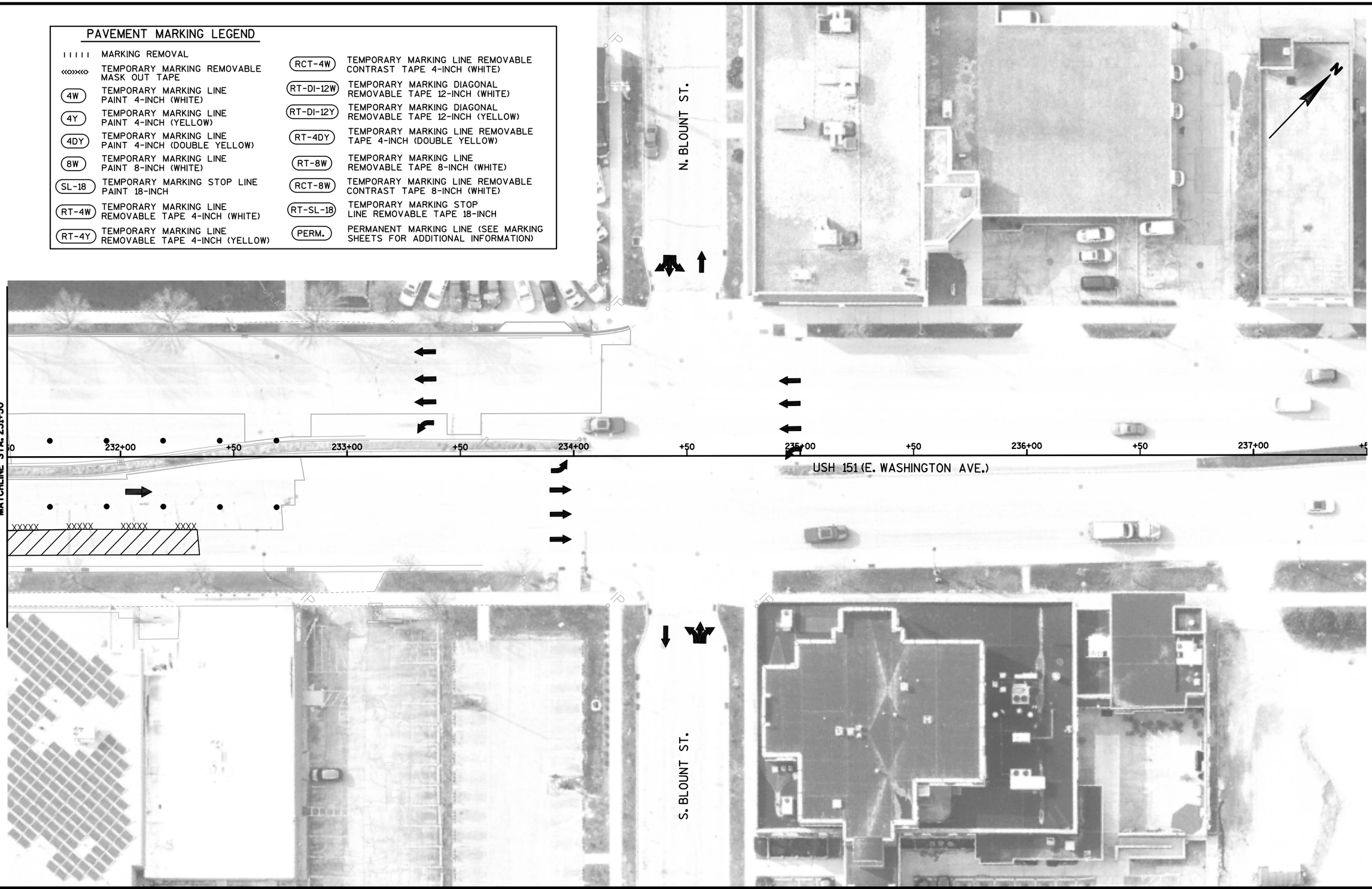
RCT-4W

MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 2	SHEET 159	E

PAVEMENT MARKING LEGEND

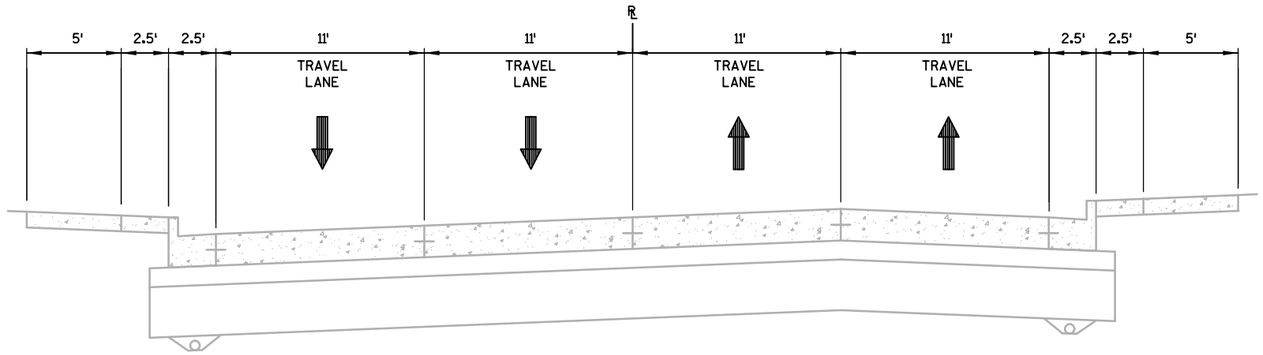
IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



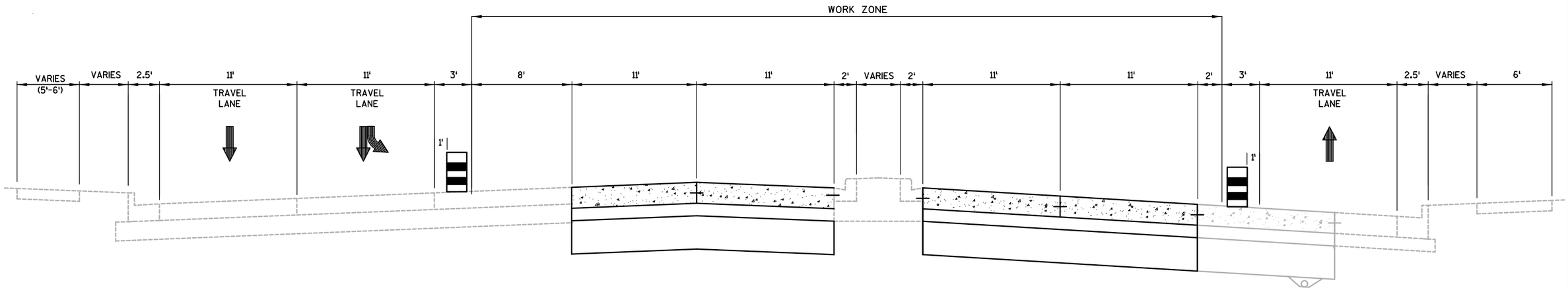
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2A, PHASE 2	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026515_s2A_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



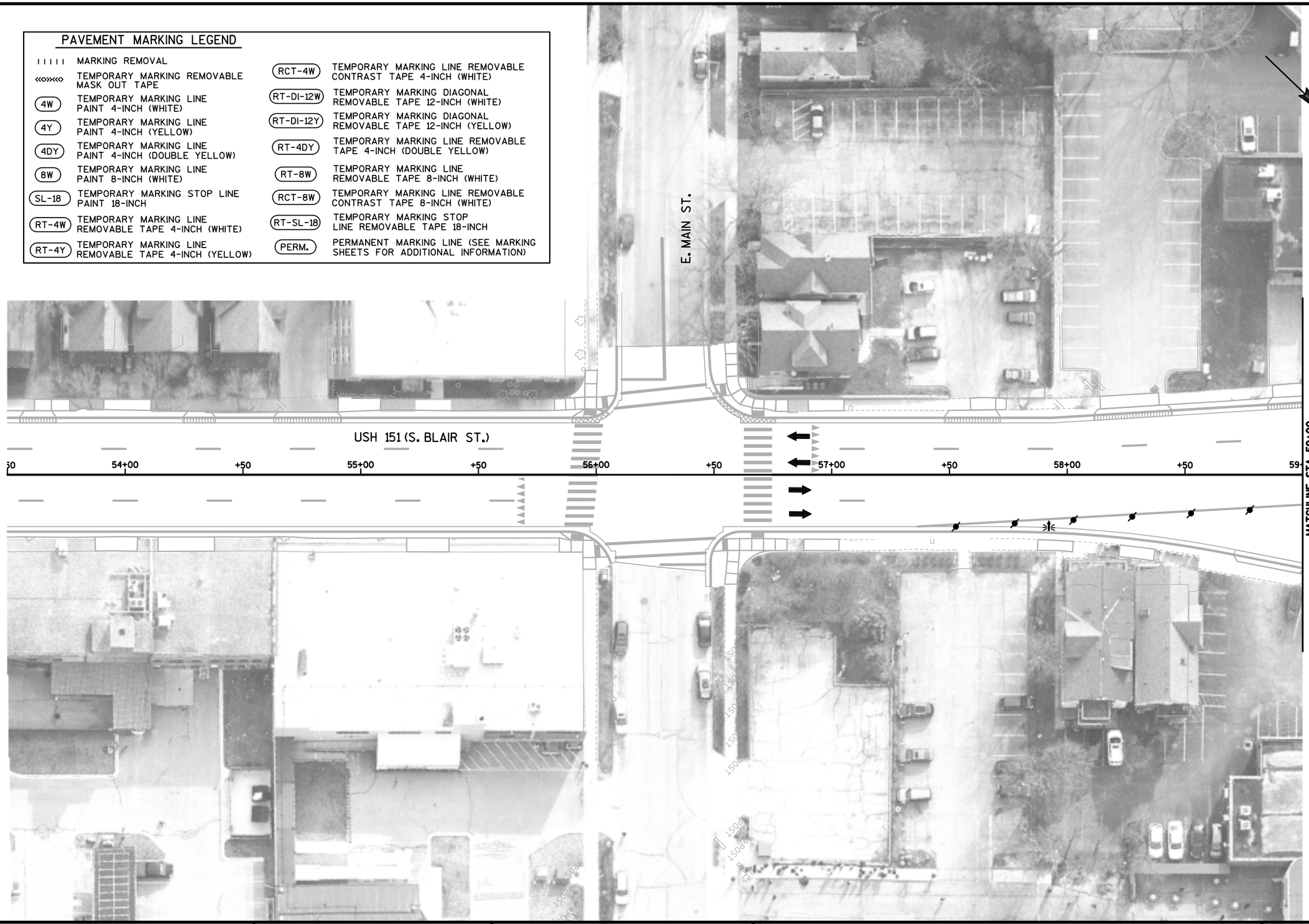
CONSTRUCTION STAGE 2B TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 2B TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

S. WEBSTER ST.

S. BUTLER ST.

LANE CLOSED
R11-2L
48" X 30"

MAINTAIN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

219+00

+00

RT-4Y

MATCHLINE STA. 219+50

2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET 163	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026522_s2B.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. HANCOCK ST.

N. FRANKLIN ST.

E. WASHINGTON AVE.

S. HANCOCK ST.

S. FRANKLIN ST.

MATCHLINE STA. 219+50

MATCHLINE STA. 225+50

220+00 +50 221+00 +50 222+00 +50 223+00 +50 224+00 +50 225+00

RT-4Y

+45

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

RCT-8W

W01-6
48" X 24"

W01-4R

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

RT-4Y

11'

RCT-4W

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026523_s2B.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ıııı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

MATCHLINE N. BLAIR 1

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

N. BLAIR ST.

11'

RT-8W

LANE CLOSED
R11-2L
48" X 30"

R3-8(E)(A)
36" X 30"

USH 151 (E. WASHINGTON AVE.)

4Y

ONE WAY
R6-2R
24" X 30"

MATCHLINE STA. 225+50

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

MATCHLINE STA. 231+50

E. WASHINGTON AVE.

RT-4Y

11'

RT-4W

4Y

RCT-4W
(2' SEG., 6' GAP)

+26.7

+29.2

R=30'

10' TYP.

RCT-4W

RT-DI-12W (TYP.)

10' SPACING (TYP.)

RT-4Y

11'

+84.1

RT-8W

RT-SL-18

W01-6
48" X 24"

ROAD CLOSED
R11-2
48" X 30"

USH 151 (S. BLAIR ST.)

60+00 +50 00

12'

LANE CLOSED
R11-2L
48" X 30"

ONLY

ONLY

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026524_s2B.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. BLOUNT ST.

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

W01-4BR

RCT-4W

4Y

+63

11'

11'

+88

RCT-8W

+94

«o»«o»

232+00 +50 233+00 +50 234+00 +50 235+00 +50 236+00 +50 237+00

MATCHLINE STA. 231+50

MATCHLINE STA. 237+50

USH 151 (E. WASHINGTON AVE.)

W01-6
48" X 24"

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

ONLY

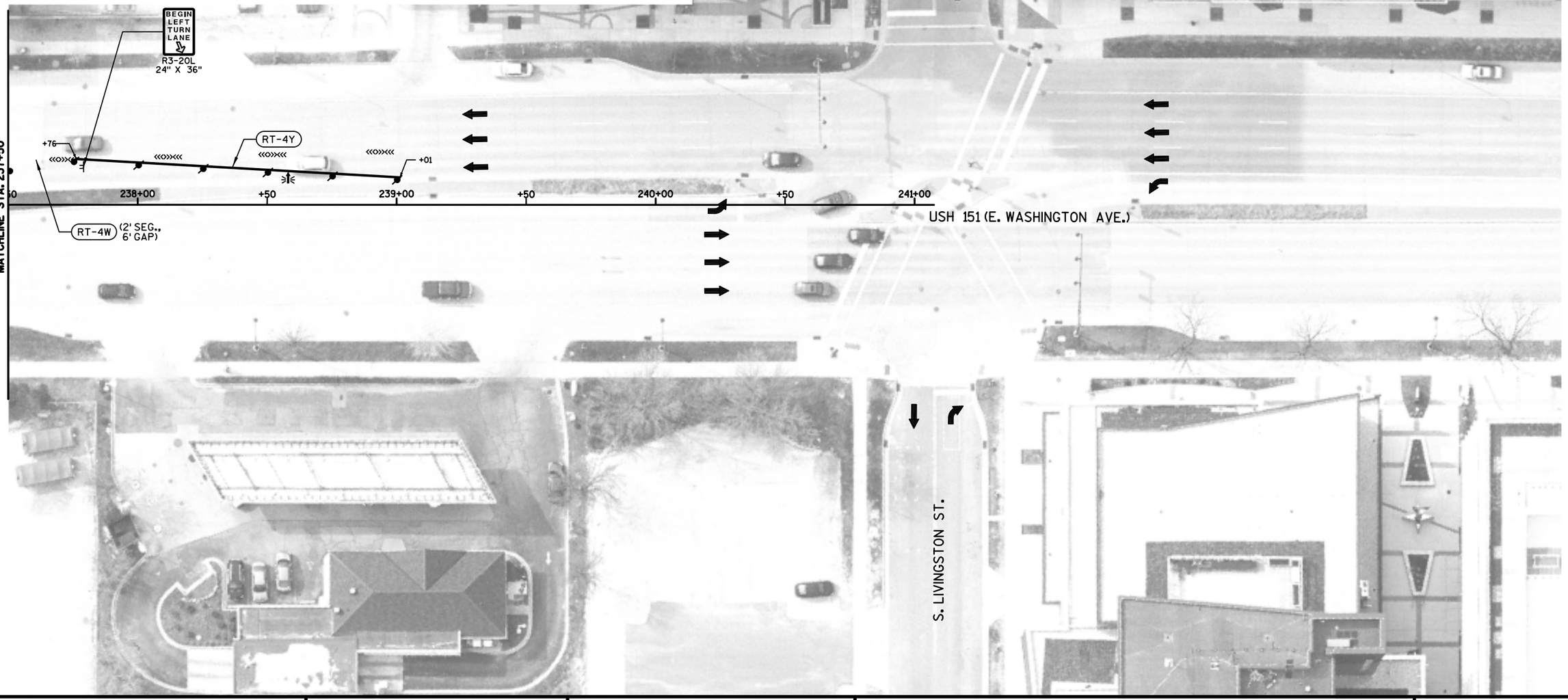
S. BLOUNT ST.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026525_s2B.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N

MATCHLINE N. BLAIR 1

MATCHLINE N. BLAIR 2

N. BLAIR ST.

E. MIFFLIN ST.

E. DAYTON ST.

W01-6
48" X 24"

W01-6
48" X 24"

2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026528_s2B.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

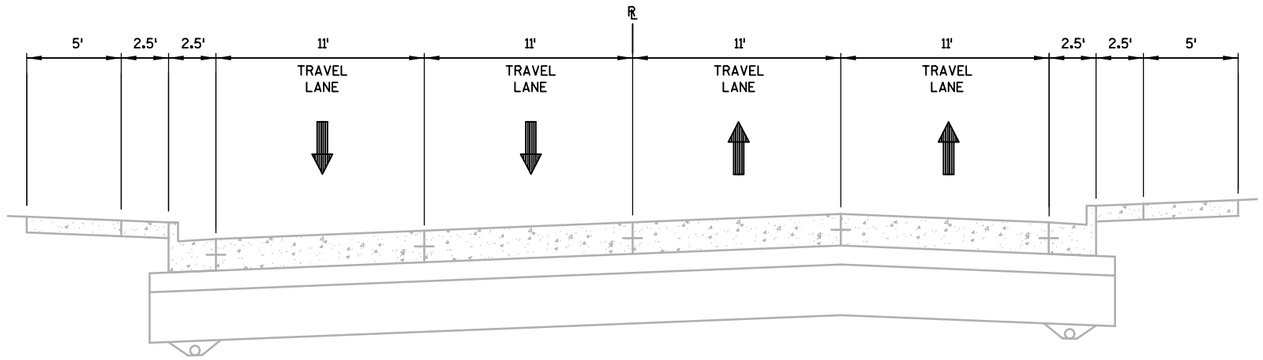
ıı ıı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



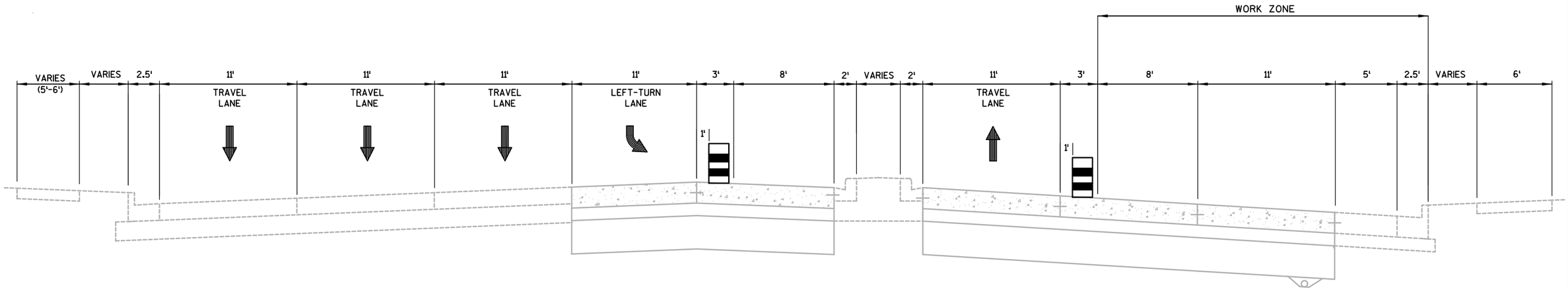
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2B	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026529_s2B.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



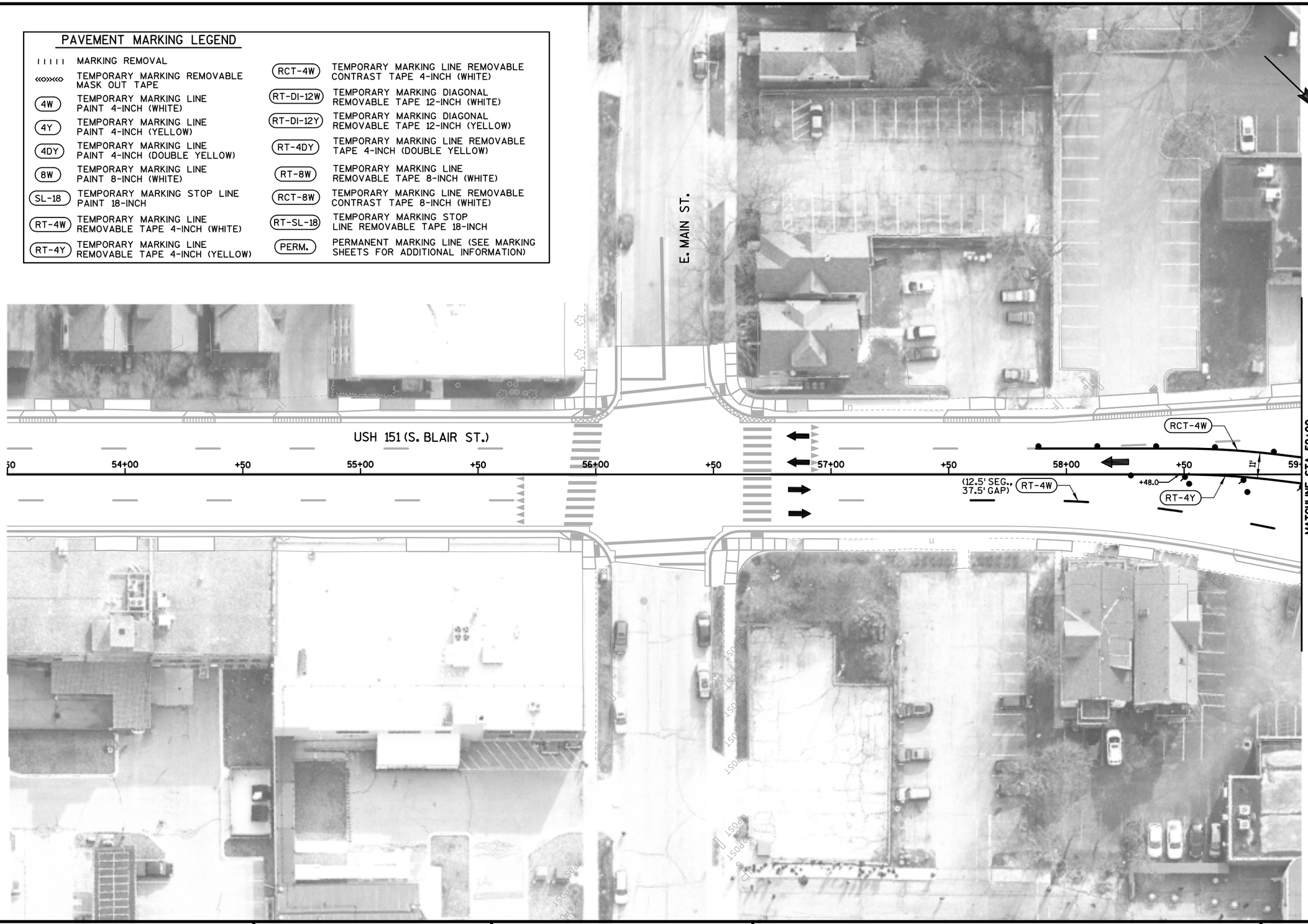
CONSTRUCTION STAGE 2C TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 2C TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PAVEMENT MARKING LEGEND

ıı ıı ıı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026531_s2C.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

PAVEMENT MARKING LEGEND

ıı ıı ıı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

S. WEBSTER ST.

S. BUTLER ST.

MATCHLINE STA. 219+50

219+00

+00

RCT-4W

LANE CLOSED
R11-2L
48" X 30"

MAINTAIN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2C	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026532_s2C.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. HANCOCK ST.

N. FRANKLIN ST.

MATCHLINE STA. 219+50

220+00 +50 221+00 +50 222+00 +50 223+00 +50 224+00 +50 225+00 +50

E. WASHINGTON AVE.

MATCHLINE STA. 225+50

RCT-4W

+45

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

S. HANCOCK ST.

S. FRANKLIN ST.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026533_s2C.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

R3-8(E)(R) 36" X 30"

R3-8(E)(R) 36" X 30"

LANE CLOSED R11-2L 48" X 30"

N. BLAIR ST.

11'

LANE CLOSED R11-2L 48" X 30"

LANE CLOSED R11-2L 48" X 30"

W01-6 48" X 24"

RT-4Y (2' SEG., 6' GAP)

+50.7

MATCHLINE STA. 225+50

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

MATCHLINE STA. 231+50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

R=60'

+62.1

55.5 RT

PERM.

SAN SAN

+90.9

3.9 RT

60+00

RT-8W (TYP.)

USH 151 (S. BLAIR ST.)

RT-SL-18

RT-4Y

RT-4W (12.5' SEG., 37.5' GAP)(TYP.)

11'

RCT-4W

W01-6 48" X 24"

R3-1 24" X 24"

LANE CLOSED R11-2L 48" X 30"

CONSTRUCT CENTER LANE UNDER WEEKEND CLOSURE OF EASTBOUND EAST WASHINGTON AVENUE. (SEE THE TRAFFIC ARTICLE FOR ADDITIONAL INFORMATION)

50+00

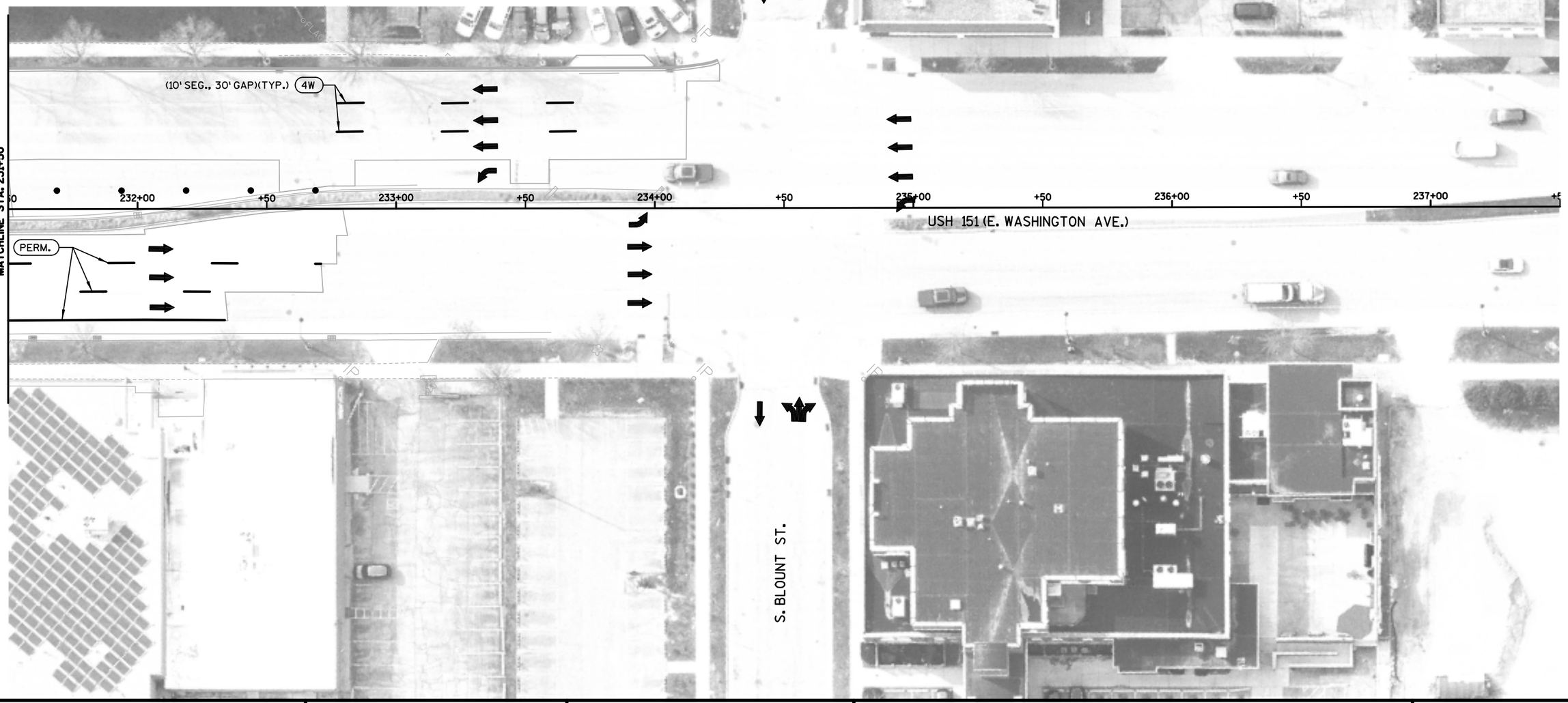
MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026534_s2C.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

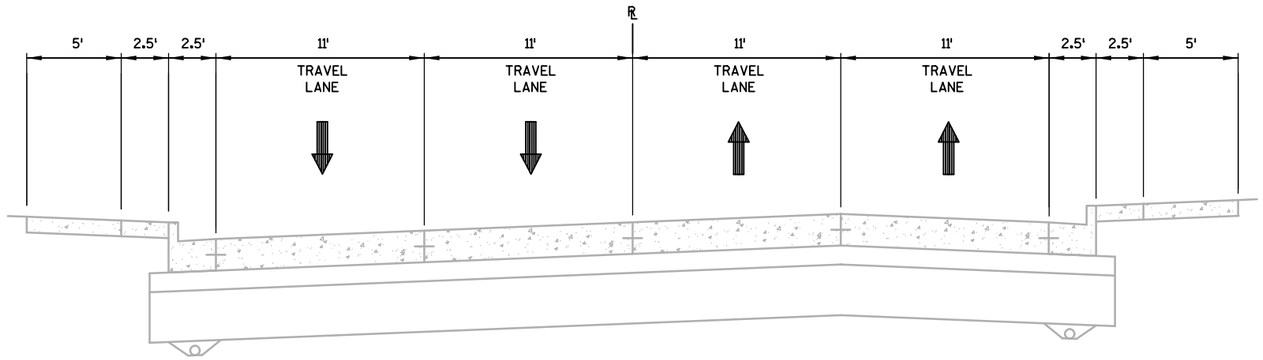
MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



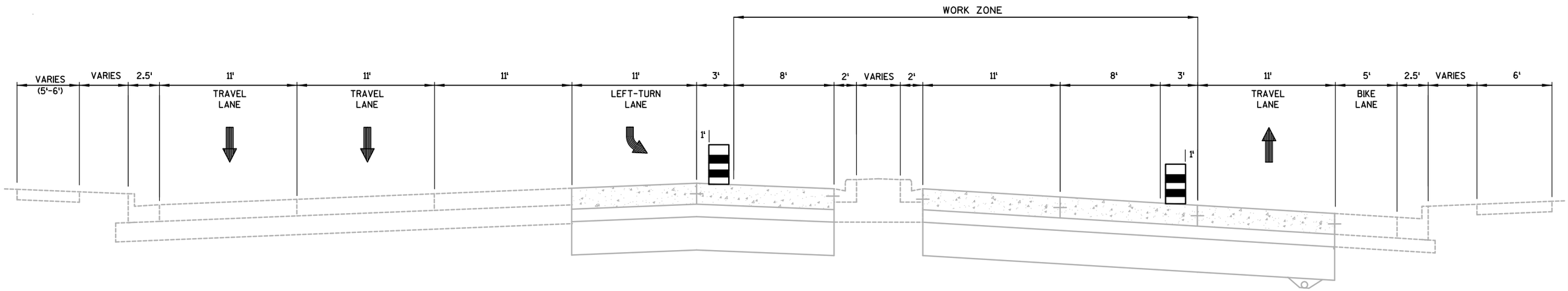
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2C	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026535_s2C.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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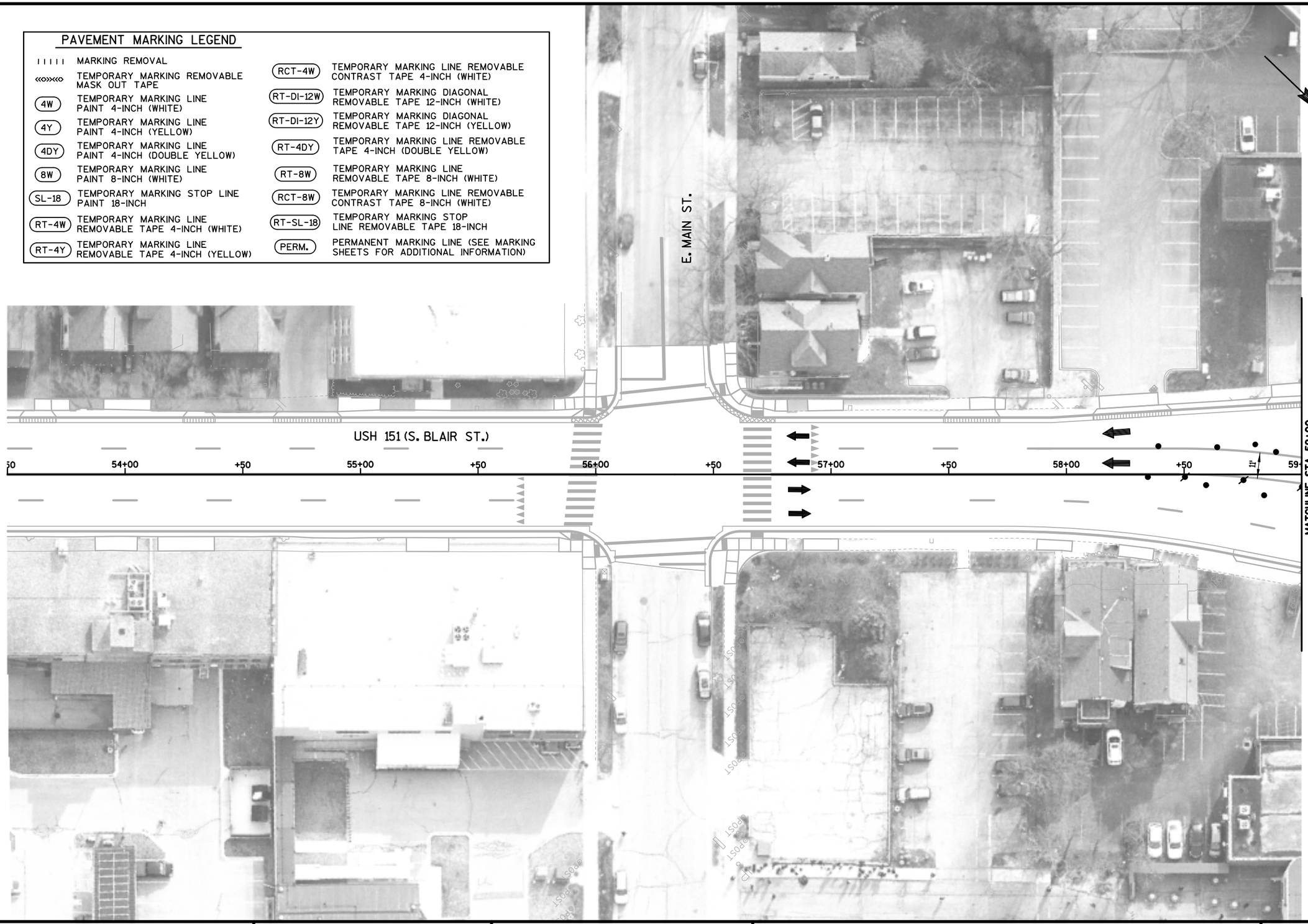
CONSTRUCTION STAGE 2D TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 2D TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2D	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026541_s2D.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

S. WEBSTER ST.

S. BUTLER ST.

LANE CLOSED
R11-2L
48" X 30"

MAINTAIN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

219+00

+00

RT-4Y

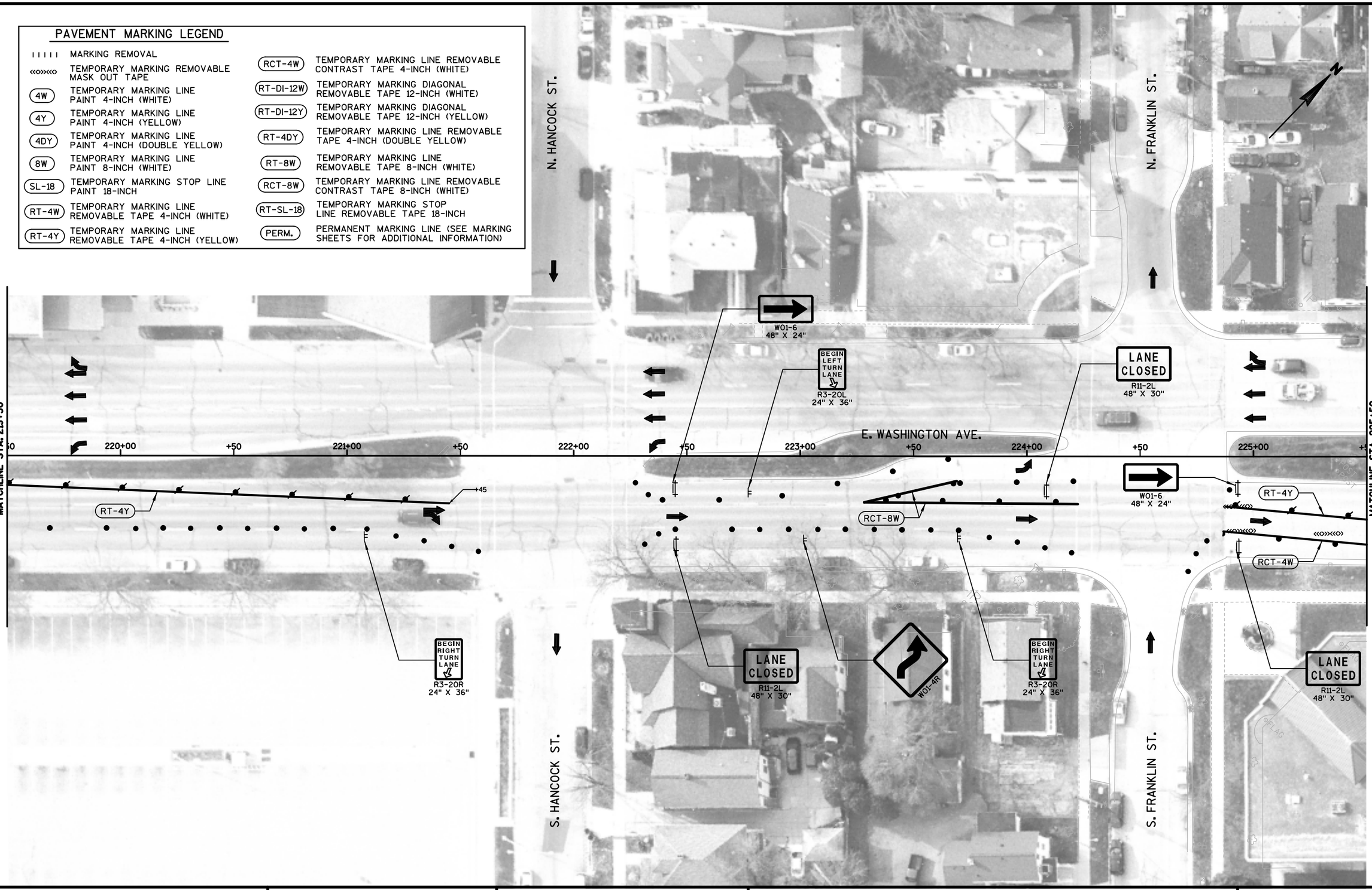
MATCHLINE STA. 219+50

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2D	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026542_s2D.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ıı ıı ıı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2D	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026543_s2D.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

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MATCHLINE N. BLAIR 1 (STAGE 2B)

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

LANE CLOSED
R11-2L
48" X 30"

ONE WAY
R6-1R
36" X 12"

R3-2
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

ONE WAY
R6-2R
24" X 30"

N. BLAIR ST.

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

LANE CLOSED
R11-2L
48" X 30"

4W
8W
RT-8W
RT-4Y
RT-SL-18
RCT-4W
RT-8W
11'
+37
+51
+50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

226+00
227+00
228+00
229+00
230+00
231+00

MATCHLINE STA. 225+50

MATCHLINE STA. 231+50

W01-6
48" X 24"

LANE CLOSED
R11-2L
48" X 30"

W04-3L
48" X 48"

USH 151 (S. BLAIR ST.)

W01-6
48" X 24"

60+00
+50
11'

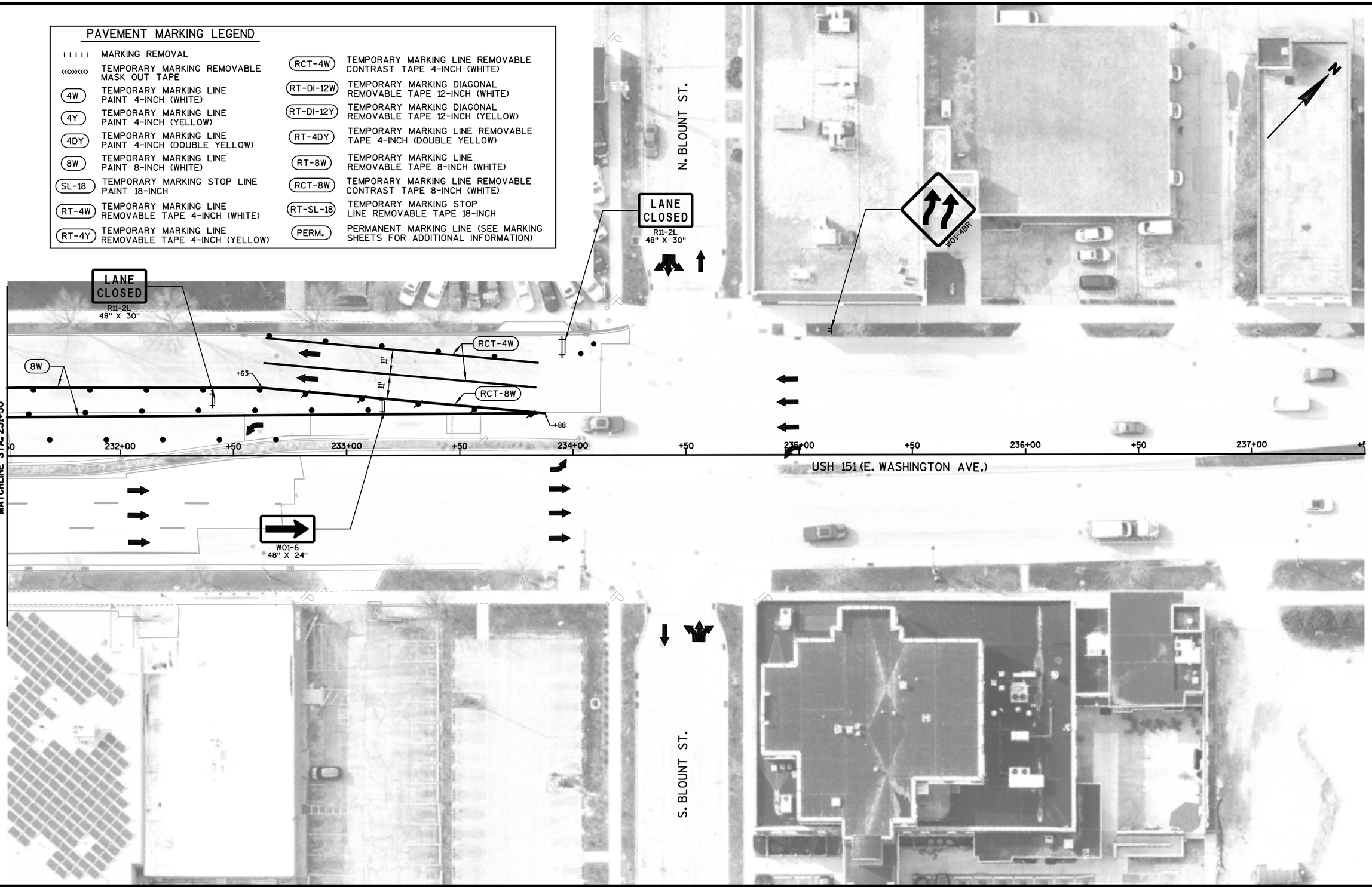
MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2D	SHEET 180	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026544_s2D.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

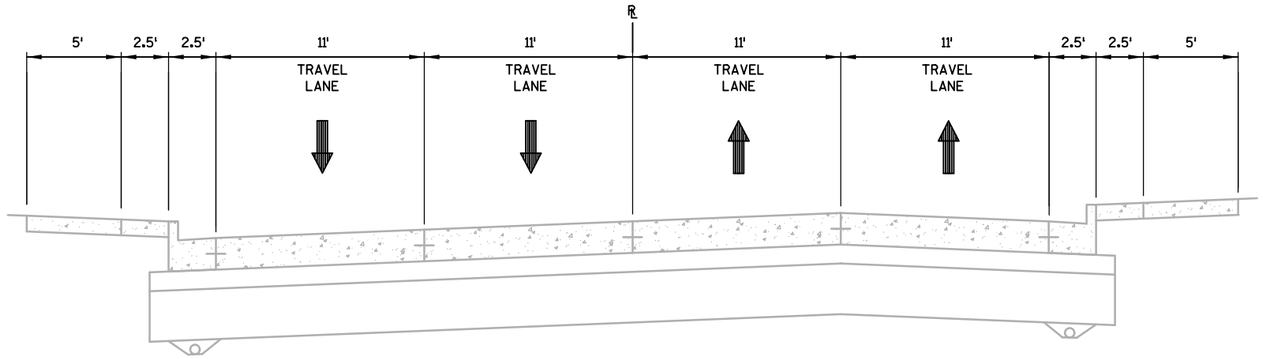
IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



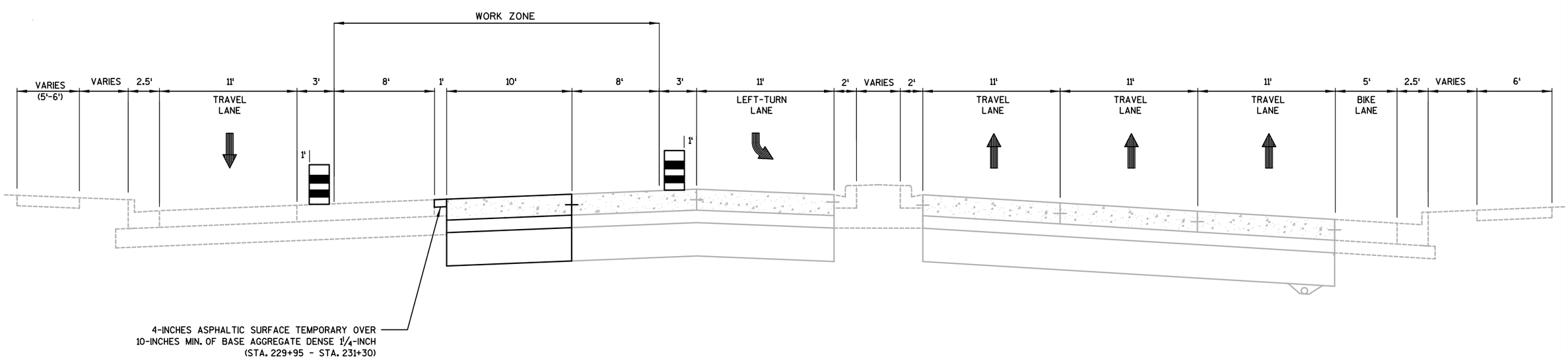
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2D	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026545_s2D.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



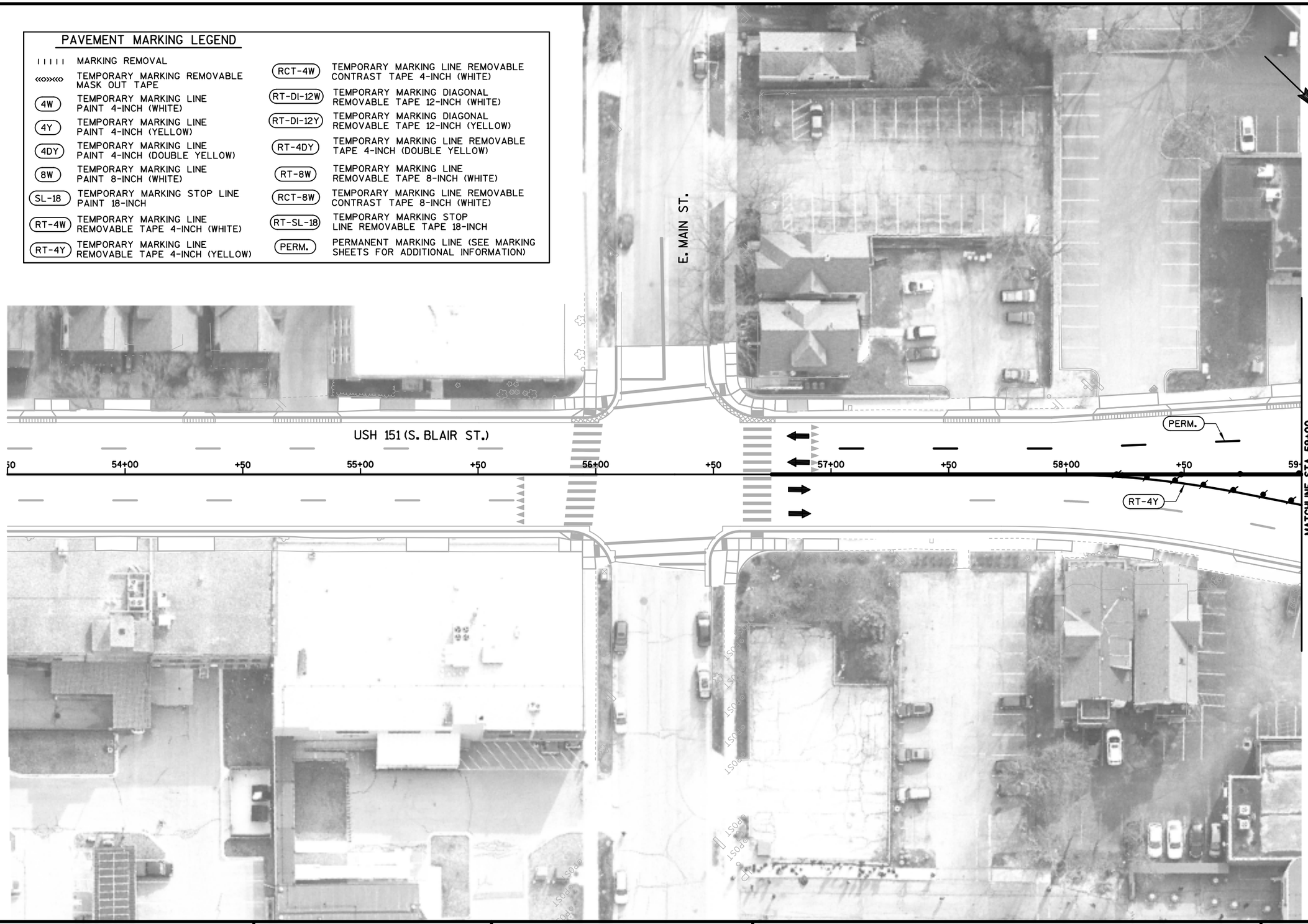
CONSTRUCTION STAGE 2E, PHASES 1 & 2 TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 2E, PHASES 1 & 2 TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026551_s2E_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 1	SHEET 184	E

2

MATCHLINE N. BLAIR 1 (STAGE 2B)

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

LANE CLOSED
R11-2L
48" X 30"

ONE WAY
R6-1R
36" X 12"

R3-2
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

ONE WAY
R6-2R
24" X 30"

N. BLAIR ST.

LANE CLOSED
R11-2L
48" X 30"

ONLY

ONLY

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

11'

4Y

8W

8W

+89

RT-8W

MATCHLINE STA. 225+50

226+00

+50

227+00

+50

228+00

+50

229+00

+50

230+00

+50

231+00

+50

MATCHLINE STA. 231+50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

PERM.

PERM.

ROAD CLOSED
R11-2
48" X 30"

+50

60+00

RT-8W

PERM.

USH 151 (S. BLAIR ST.)

+50

RT-4Y

WO1-6
48" X 24"

00

MATCHLINE STA. 59+00

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 1	SHEET 185	E

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. BLOUNT ST.

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

W01-4R

RT-4W

RCT-4W

RCT-8W

RCT-8W

+97

11'

+10

MATCHLINE STA. 231+50

232+00 +50 233+00 +50 234+00 +50 235+00 +50 236+00 +50 237+00

USH 151 (E. WASHINGTON AVE.)

MATCHLINE STA. 237+50

LANE CLOSED
R11-2L
48" X 30"

W01-6
48" X 24"

W01-4L

S. BLOUNT ST.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026555_s2E_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. LIVINGSTON ST.

LANE CLOSED
R11-2L
48" X 30"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

RT-4W

RCT-4W

125'

«o»«o»

X=823648.7
Y=485263.1

MATCHLINE STA. 237+50

238+00 +50 239+00 +50 240+00 +50 241+00

USH 151 (E. WASHINGTON AVE.)

MATCHLINE USH 151 A

S. LIVINGSTON ST.

2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026556_s2E_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 1	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026557_s2E_Phase 1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 2	SHEET 189	E

MATCHLINE N. BLAIR 1 (STAGE 2B)

PAVEMENT MARKING LEGEND

	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

LANE CLOSED
R11-2L
48" X 30"

ONE WAY
R6-1R
36" X 12"

R3-2
24" X 24"

ROAD CLOSED
R11-2
48" X 30"

ONE WAY
R6-2R
24" X 30"

N. BLAIR ST.

LANE CLOSED
R11-2L
48" X 30"

RCT-8W

RT-8W

RT-4Y

4Y

+21

+20

11'

12'

MATCHLINE STA. 225+50

226+00

+50

227+00

+50

228+00

+50

229+00

+50

230+00

+50

231+00

MATCHLINE STA. 231+50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

ROAD CLOSED
R11-2
48" X 30"

60+00

+50

00

USH 151 (S. BLAIR ST.)

W01-6
48" X 24"

ONLY

ONLY

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

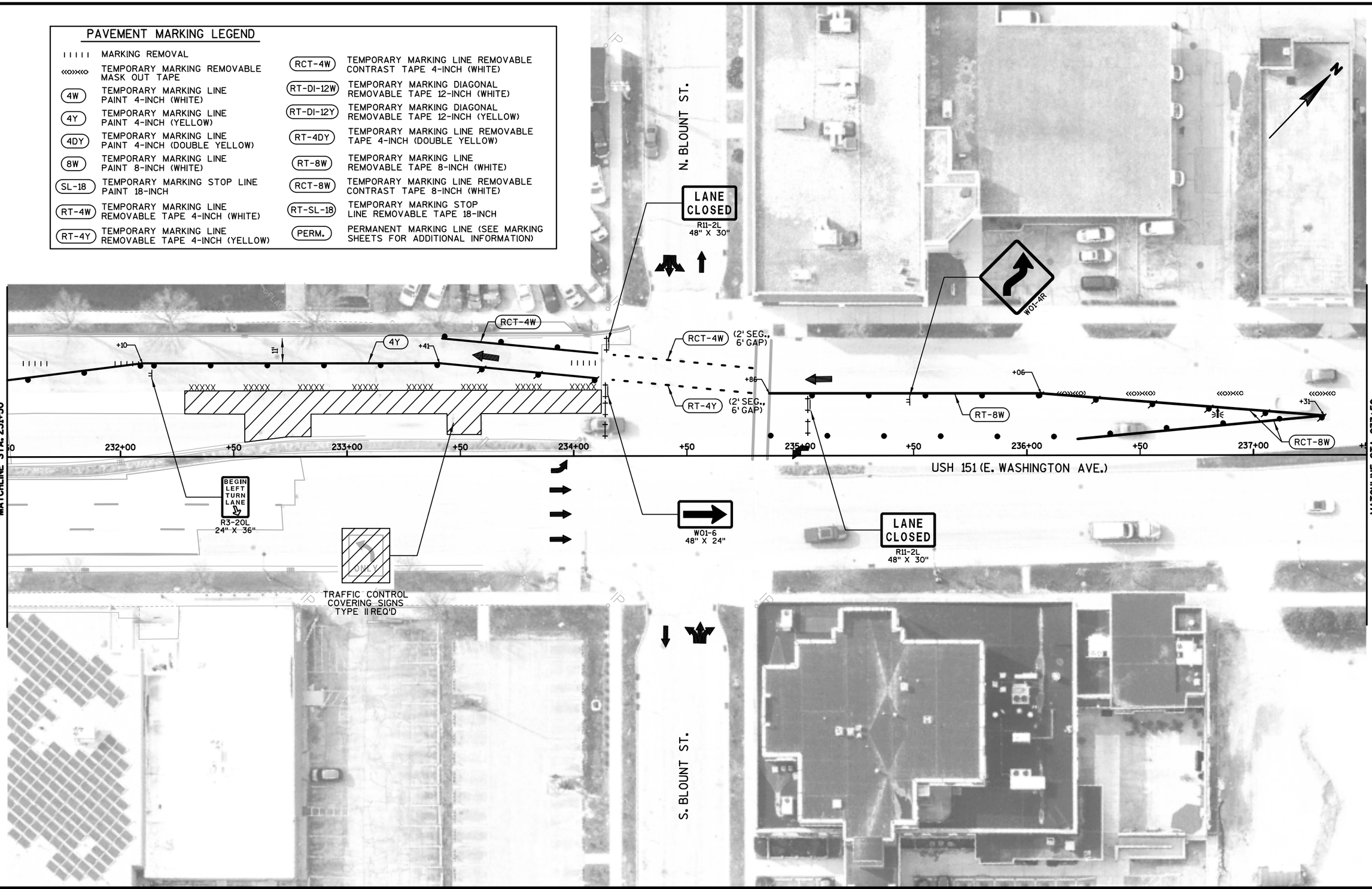
MATCHLINE STA. 59+00 - STAGE 2E, PHASE 1

2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 2	SHEET 190	E

PAVEMENT MARKING LEGEND

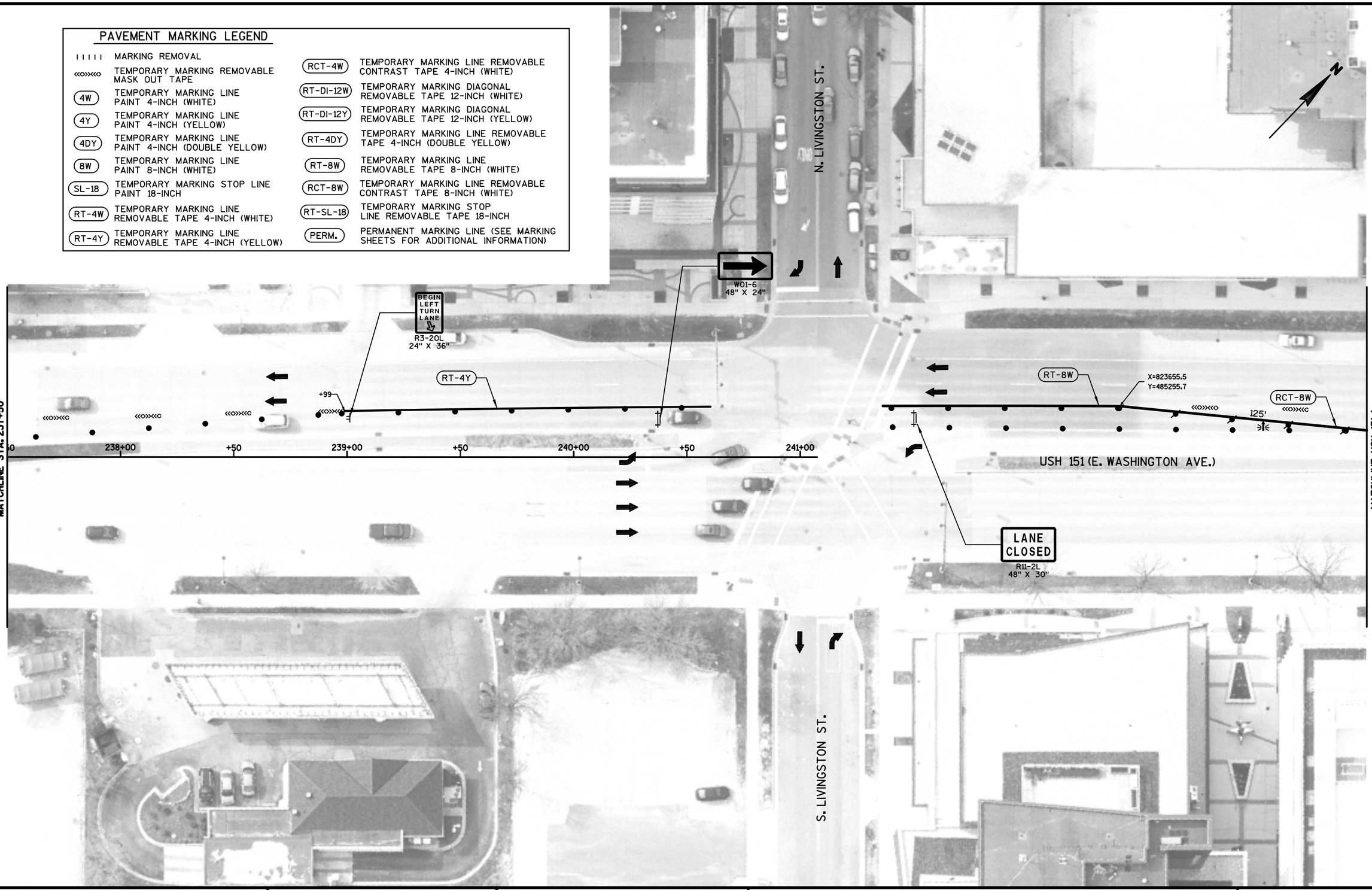
IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 2	SHEET 191	E

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

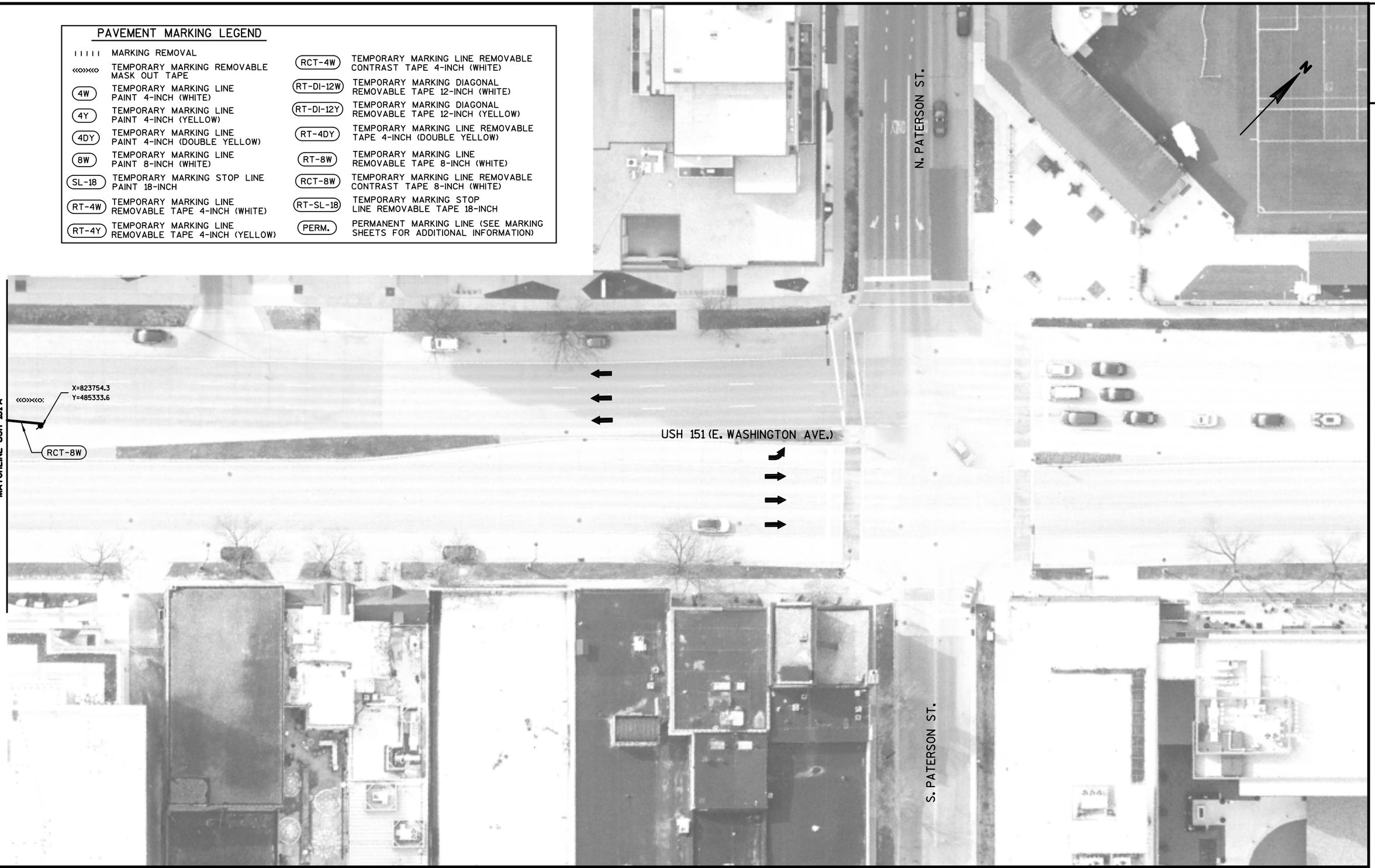


PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026566_s2E_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

PAVEMENT MARKING LEGEND

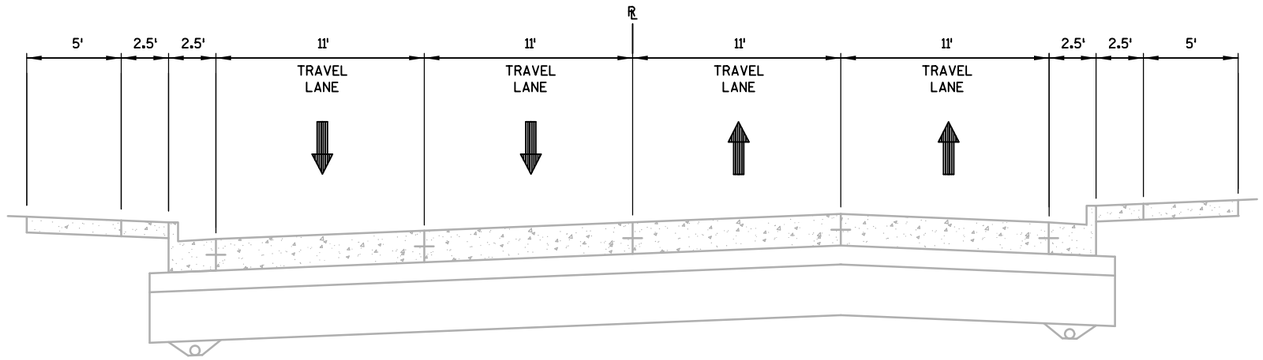
IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



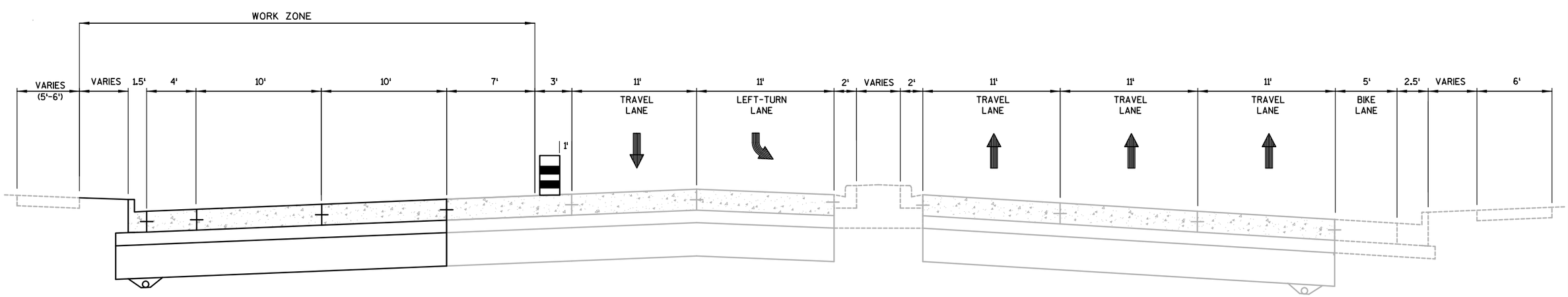
PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2E, PHASE 2	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026567_s2E_Phase 2.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



CONSTRUCTION STAGE 2F TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)



CONSTRUCTION STAGE 2F TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2F	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026573_s2F_Typicals.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ııııı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. BLAIR ST.

ROAD CLOSED
R11-2
48" X 30"

LANE CLOSED
R11-21
48" X 30"

SAN

RCT-4W

RT-4W

RT-8W

10'

+50

+34

226+00

227+00

228+00

229+00

230+00

231+00

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

MATCHLINE STA. 231+50

RT-4Y
(2' SEG., 6' GAP)

ROAD CLOSED
R11-2
48" X 30"

ONE WAY
R6-2L
24" X 30"

PERM.

60+00

+50

-00

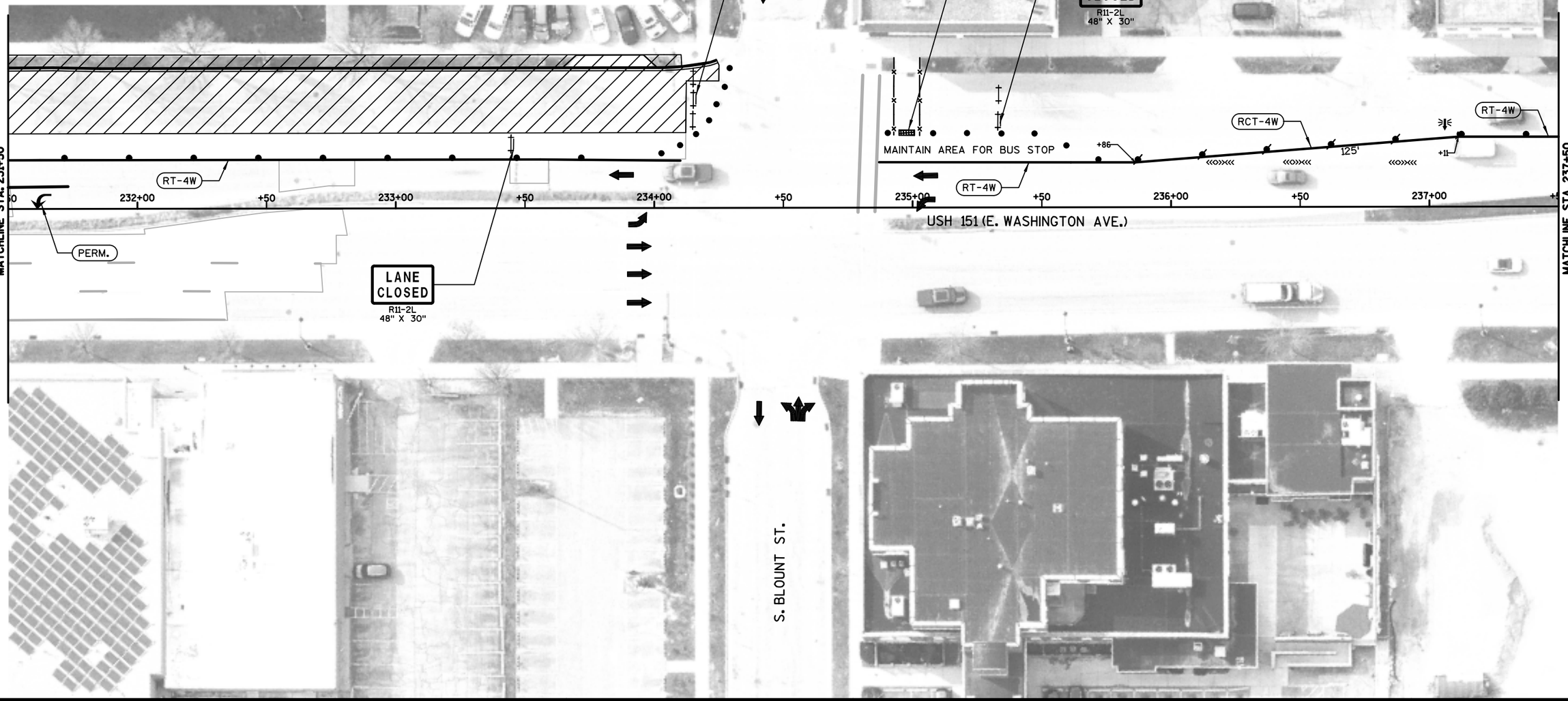
USH 151 (S. BLAIR ST.)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2F	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026574_s2F.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«o»«o»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2F	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026575_s2F.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. LIVINGSTON ST.

LANE CLOSED
R11-2L
48" X 30"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

RT-4W

RCT-4W

125'

RT-4W

X=823648.7
Y=485263.1

MATCHLINE STA. 237+50

238+00 +50 239+00 +50 240+00 +50 241+00

USH 151 (E. WASHINGTON AVE.)

MATCHLINE USH 151 A

S. LIVINGSTON ST.

2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2F	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026576_s2F.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2F	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026577_s2F.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

E. JOHNSON ST.

RT-4W

125'

TO 151 39 51 E Washington Ave

TRAFFIC CONTROL COVERING SIGNS TYPE II REQ'D

LANE CLOSED
R11-2L
48" X 30"

NO ACCESS TO E. WASH. AVE.
R10-61(MOD.)
60" X 30"

ROAD CLOSED
1/4 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
60" X 30"

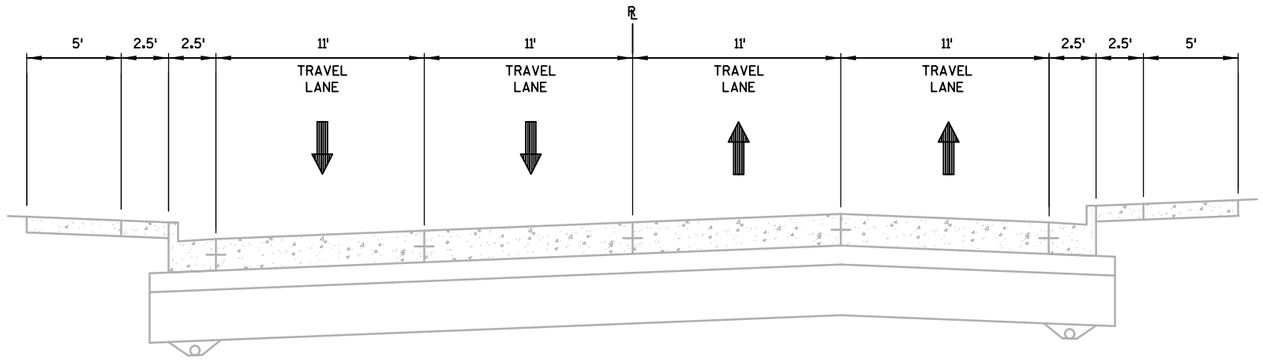
NO ACCESS TO E. WASH. AVE.
R10-61(MOD.)
60" X 30"

N. FRANKLIN ST.

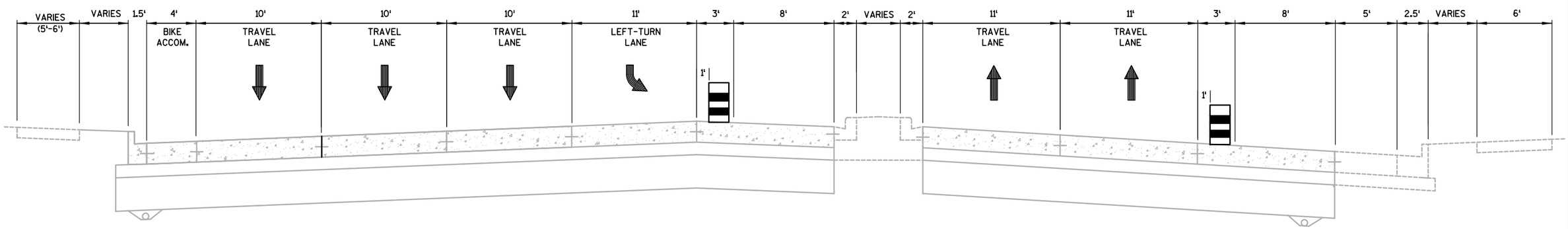
N. BLAIR ST.

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2F	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026579_N Blair_s2F.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



CONSTRUCTION STAGE 2G TYPICAL SECTION
SOUTH BLAIR STREET (USH 151)

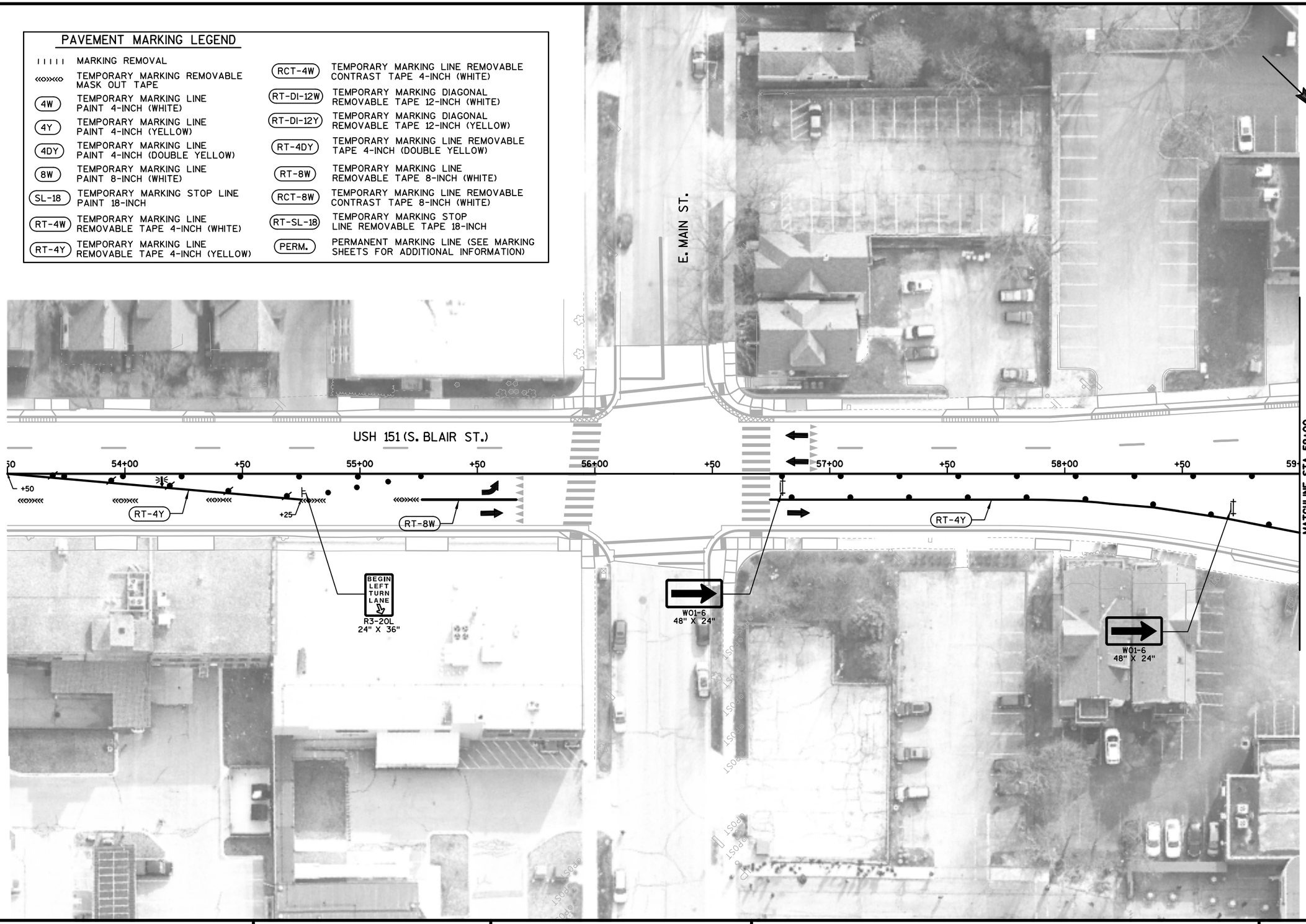


CONSTRUCTION STAGE 2G TYPICAL SECTION
EAST WASHINGTON AVENUE (USH 151)

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING TYPICALS - STAGE 2G	SHEET 200	E

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2G	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026581_s2G.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

ı ı ı ı ı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»«	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. WEBSTER ST.

N. BUTLER ST.

E. WASHINGTON AVE.

S. WEBSTER ST.

S. BUTLER ST.

MATCHLINE STA. 219+50

LANE CLOSED
R11-2L
48" X 30"

MAINTAIN AREA FOR BUS STOP

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2G	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026582_s2G.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

ıı ıı ıı	MARKING REMOVAL	RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE	RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)	RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)	RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)	RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)	RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH	RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)	PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)		

N. HANCOCK ST.

N. FRANKLIN ST.

MATCHLINE STA. 219+50

220+00 +50 221+00 +50 222+00 +50 223+00 +50 224+00 +50 225+00

MATCHLINE STA. 225+50

E. WASHINGTON AVE.

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

ONLY ONLY ONLY
R3-8X
54" X 30"

LANE CLOSED
R11-2L
48" X 30"

S. HANCOCK ST.

S. FRANKLIN ST.

FLAG

FLAG

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2G	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026583_s2G.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

PAVEMENT MARKING LEGEND

MARKING REMOVAL	
TEMPORARY MARKING REMOVABLE MASK OUT TAPE	
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)

N

R3-8(LX)(F) 36" X 30"

R3-8(LX)(F) 36" X 30"

N. BLAIR ST.

11'

100'

LANE CLOSED R11-2L 48" X 30"

RT-8W

PERM.

LANE CLOSED R11-2L 48" X 30"

LANE CLOSED R11-2L 48" X 30"

PERM.

PERM.

PERM.

LANE CLOSED R11-2L 48" X 30"

MATCHLINE STA. 225+50

226+00 +50 227+00 +50 228+00 +50 229+00 +50 230+00 +50 231+00 +50

E. WASHINGTON AVE.

USH 151 (E. WASHINGTON AVE.)

MATCHLINE STA. 231+50

+50

RT-8W

+38

W01-6 48" X 24"

RT-8W

60'

100'

BEGIN RIGHT TURN LANE R3-20R 24" X 36"

RIGHT TURN ONLY R3-53R 24" X 30"

EXCEPT BUSES R3-5(MOD) 12" X 30"

USH 151 (S. BLAIR ST.)

+50

100'

LANE CLOSED R11-2L 48" X 30"

MATCHLINE STA. 59+00

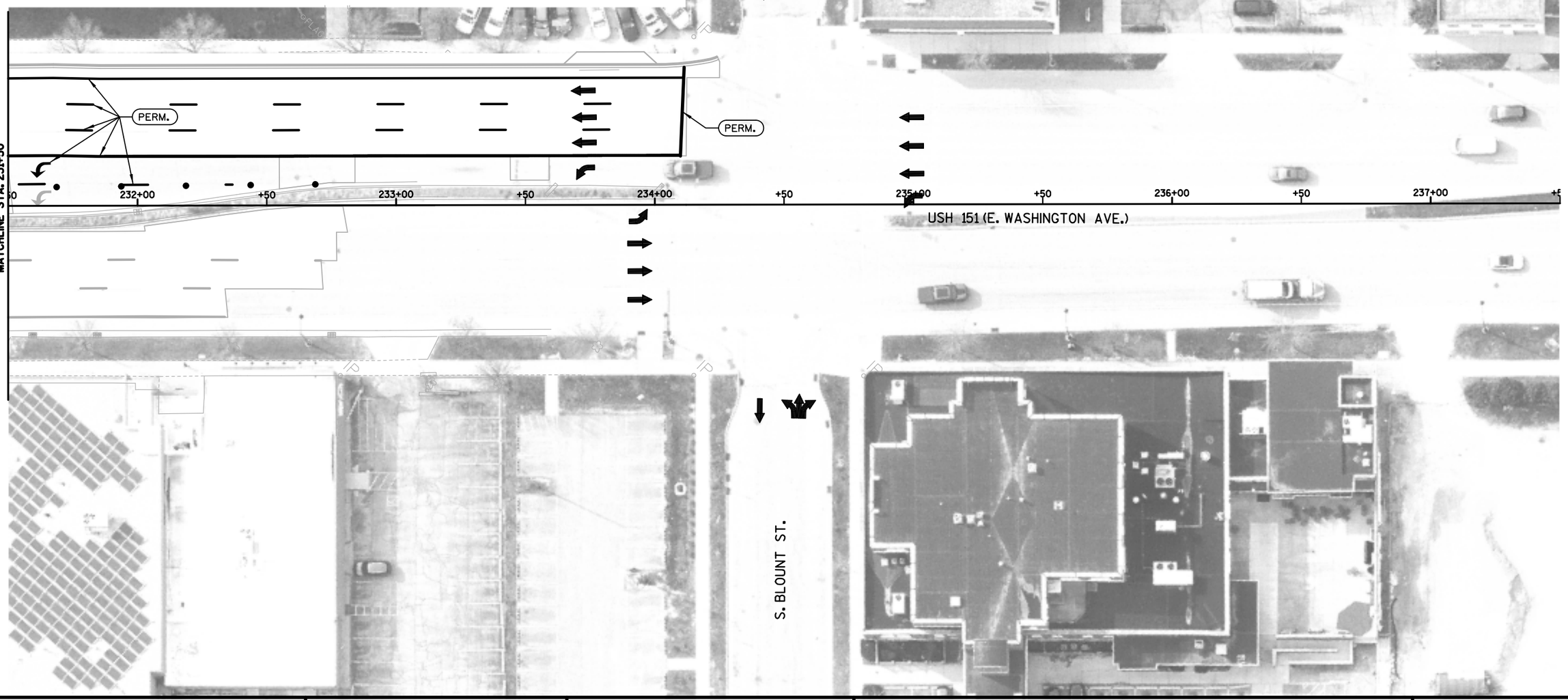
2

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2G	SHEET	E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026584_s2G.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

IIIII	MARKING REMOVAL
«»«»	TEMPORARY MARKING REMOVABLE MASK OUT TAPE
4W	TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
4Y	TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
4DY	TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
8W	TEMPORARY MARKING LINE PAINT 8-INCH (WHITE)
SL-18	TEMPORARY MARKING STOP LINE PAINT 18-INCH
RT-4W	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
RT-4Y	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
RCT-4W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE)
RT-DI-12W	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE)
RT-DI-12Y	TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
RT-4DY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
RT-8W	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
RCT-8W	TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE)
RT-SL-18	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
PERM.	PERMANENT MARKING LINE (SEE MARKING SHEETS FOR ADDITIONAL INFORMATION)



PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CONSTRUCTION STAGING - STAGE 2G	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_026585_s2G.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWING:
"ADVANCED WIDTH RESTRICTION SIGNING"

TRAFFIC CONTROL SIGN ATTACHED TO WOOD POST OR TEMPORARY SUPPORT

SEE TABLE BELOW FOR WIDTHS TO USE FOR EACH STAGE

STAGE	MAX. WIDTH	
	NB USH 151	SB USH 151
STAGE 1A	11	NA
STAGE 1B, PHASE 1	NA	11
STAGE 1B, PHASES 2 & 3	NA	11
STAGE 1C, PHASE 1	NA	11
STAGE 1C, PHASE 2	10	11
STAGE 1C, PHASE 3	10	11
STAGE 1D, PHASE 1	10	11
STAGE 1D, PHASE 2	10	11
STAGE 1E	11	11
STAGE 2A, PHASE 1	12	NA
STAGE 2A, PHASE 2	12	NA
STAGE 2B	12	NA
STAGE 2C	NA	11
STAGE 2D	NA	10
STAGE 2E, PHASE 1	NA	10
STAGE 2E, PHASE 2	NA	11
STAGE 2F	NA	10
STAGE 2G	11	NA

NA = NO WIDTH RESTRICTION SIGNAGE NEEDED

LAKE MENDOTA

LAKE MONONA

CITY OF MADISON

MAX. XX WIDTH W12-52

3 MILES AHEAD W057-52 36" X 24"

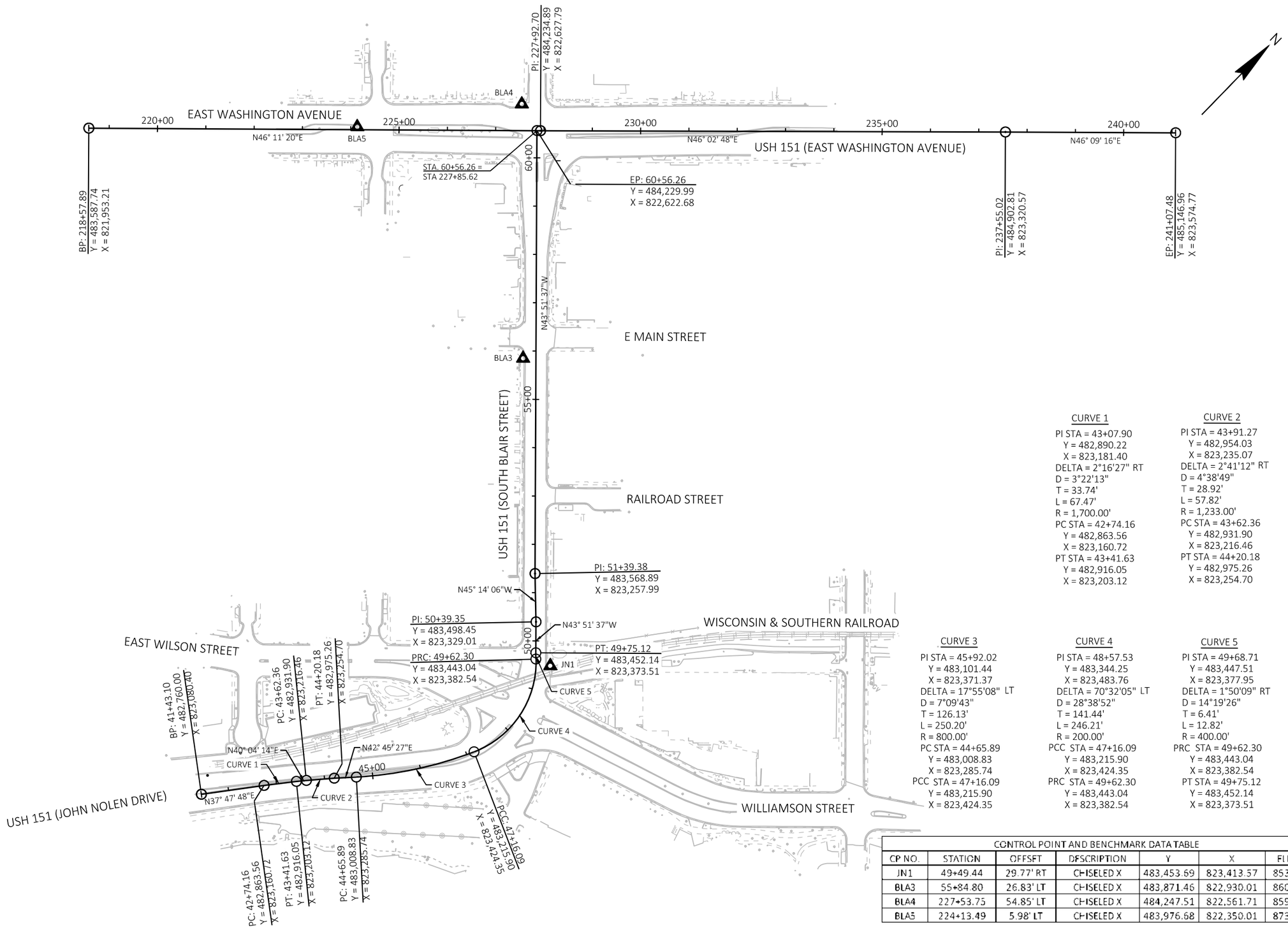
NORTH M3-1 24" X 12"

151 M1-4 24" X 24"

4 MILES AHEAD W057-52 36" X 24"

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ADVANCE WIDTH RESTRICTION SIGNAGE	SHEET E

FILE NAME : S:\MAD\1000--1099\1020\098\Micros\Plan\0073_027004_Width Restriction Signing.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$
WISDOT/CADDS SHEET 42



CURVE 1
PI STA = 43+07.90
Y = 482,890.22
X = 823,181.40
DELTA = 2°16'27" RT
D = 3°22'13"
T = 33.74'
L = 67.47'
R = 1,700.00'
PC STA = 42+74.16
Y = 482,863.56
X = 823,160.72
PT STA = 43+41.63
Y = 482,916.05
X = 823,203.12

CURVE 2
PI STA = 43+91.27
Y = 482,954.03
X = 823,235.07
DELTA = 2°41'12" RT
D = 4°38'49"
T = 28.92'
L = 57.82'
R = 1,233.00'
PC STA = 43+62.36
Y = 482,931.90
X = 823,216.46
PT STA = 44+20.18
Y = 482,975.26
X = 823,254.70

CURVE 3
PI STA = 45+92.02
Y = 483,101.44
X = 823,371.37
DELTA = 17°55'08" LT
D = 7°09'43"
T = 126.13'
L = 250.20'
R = 800.00'
PC STA = 44+65.89
Y = 483,008.83
X = 823,285.74
PCC STA = 47+16.09
Y = 483,215.90
X = 823,424.35

CURVE 4
PI STA = 48+57.53
Y = 483,344.25
X = 823,483.76
DELTA = 70°32'05" LT
D = 28°38'52"
T = 141.44'
L = 246.21'
R = 200.00'
PCC STA = 47+16.09
Y = 483,215.90
X = 823,424.35
PRC STA = 49+62.30
Y = 483,443.04
X = 823,382.54

CURVE 5
PI STA = 49+68.71
Y = 483,447.51
X = 823,377.95
DELTA = 1°50'09" RT
D = 14°19'26"
T = 6.41'
L = 12.82'
R = 400.00'
PRC STA = 49+62.30
Y = 483,443.04
X = 823,382.54
PT STA = 49+75.12
Y = 483,452.14
X = 823,373.51

CONTROL POINT AND BENCHMARK DATA TABLE

CP NO.	STATION	OFFSET	DESCRIPTION	Y	X	ELEV.
JN1	49+49.44	29.77' RT	CHISELED X	483,453.69	823,413.57	853.45
BLA3	55+84.80	26.83' LT	CHISELED X	483,871.46	822,930.01	860.16
BLA4	227+53.75	54.85' LT	CHISELED X	484,247.51	822,561.71	859.06
BLA5	224+13.49	5.98' LT	CHISELED X	483,976.68	822,350.01	873.67

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	ALIGNMENT DETAIL	SHEET 207	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 5/27/2021 11:21 AM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:200 FT
WISDOT/CADDS SHEET 42

5400-00-73

Line	Item	Item Description	Unit	Total	Qty
0004	201.0120	Clearing	ID	12.000	12.000
0008	201.0220	Grubbing	ID	12.000	12.000
0010	204.0100	Removing Concrete Pavement	SY	13,122.000	13,122.000
0016	204.0155	Removing Concrete Sidewalk	SY	1,040.000	1,040.000
0018	204.0185	Removing Masonry	CY	2.000	2.000
0020	204.0195	Removing Concrete Bases	EACH	12.000	12.000
0022	204.0210	Removing Manholes	EACH	3.000	3.000
0024	204.0220	Removing Inlets	EACH	6.000	6.000
0026	204.0245	Removing Storm Sewer (size) 01. 12-Inch to 21-Inch	LF	80.000	80.000
0028	204.0245	Removing Storm Sewer (size) 02. 24-Inch to 36-Inch	LF	10.000	10.000
0030	204.0291.S	Abandoning Sewer	CY	0.400	0.400
0032	205.0100	Excavation Common	CY	14,076.000	14,076.000
0036	213.0100	Finishing Roadway (project) 02. 5400-00-73	EACH	1.000	1.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	104.000	104.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	4,513.000	4,513.000
0044	310.0110	Base Aggregate Open-Graded	TON	48.000	48.000
0046	312.0110	Select Crushed Material	TON	13,472.000	13,472.000
0050	415.0095	Concrete Pavement 9 1/2-Inch	SY	12,162.000	12,162.000
0052	415.0210	Concrete Pavement Gaps	EACH	10.000	10.000
0054	415.1095	Concrete Pavement HES 9 1/2-Inch	SY	100.000	100.000
0056	415.4100	Concrete Pavement Joint Filling	SY	12,754.000	12,754.000
0058	416.0170	Concrete Driveway 7-Inch	SY	91.000	91.000
0060	416.0270	Concrete Driveway HES 7-Inch	SY	91.000	91.000
0062	416.0610	Drilled Tie Bars	EACH	552.000	552.000
0064	416.0620	Drilled Dowel Bars	EACH	242.000	242.000
0068	455.0605	Tack Coat	GAL	14.000	14.000
0070	460.2000	Incentive Density HMA Pavement	DOL	20.000	20.000
0074	460.6223	HMA Pavement 3 MT 58-28 S	TON	15.000	15.000
0076	460.6224	HMA Pavement 4 MT 58-28 S	TON	10.000	10.000
0082	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	8.000	8.000
0084	465.0125	Asphaltic Surface Temporary	TON	28.000	28.000
0088	495.1000.S	Cold patch	TON	10.000	10.000
0090	520.8000	Concrete Collars for Pipe	EACH	7.000	7.000
0092	531.2042	Drilling Shaft 42-Inch	LF	46.000	46.000
0096	531.5140	Foundation Single-Shaft Type MC-IV (structure) 02. S-13-568	EACH	1.000	1.000
0098	531.5140	Foundation Single-Shaft Type MC-IV (structure) 03. S-13-567	EACH	1.000	1.000
0102	532.5140	Monotube Cantilever Type IV (structure) 02. S-13-568	EACH	1.000	1.000
0104	532.5140	Monotube Cantilever Type IV (structure) 03. S-13-567	EACH	1.000	1.000
0106	601.0600	Concrete Curb Pedestrian	LF	18.000	18.000
0108	602.0410	Concrete Sidewalk 5-Inch	SF	8,680.000	8,680.000
0110	602.0420	Concrete Sidewalk 7-Inch	SF	400.000	400.000
0112	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	220.000	220.000
0116	602.1500	Concrete Steps	SF	15.000	15.000
0122	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	160.000	160.000
0128	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	12.000	12.000
0132	608.6012	Storm Sewer Pipe Composite 12-Inch	LF	6.000	6.000
0134	611.0430	Reconstructing Inlets	EACH	4.000	4.000
0136	611.0535	Manhole Covers Type J-Special	EACH	5.000	5.000
0140	611.0624	Inlet Covers Type H	EACH	14.000	14.000

5400-00-73

Line	Item	Item Description	Unit	Total	Qty
0142	611.0639	Inlet Covers Type H-S	EACH	7.000	7.000
0160	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0164	611.3230	Inlets 2x3-FT	EACH	8.000	8.000
0168	611.8110	Adjusting Manhole Covers	EACH	6.000	6.000
0170	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0174	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	850.000	850.000
0180	616.0700.S	Fence Safety	LF	900.000	900.000
0184	618.0100	Maintenance And Repair of Haul Roads (project) 02. 5400-00-73	EACH	1.000	1.000
0186	619.1000	Mobilization	EACH	0.500	0.500
0188	620.0300	Concrete Median Sloped Nose	SF	161.000	161.000
0190	623.0200	Dust Control Surface Treatment	SY	13,500.000	13,500.000
0192	624.0100	Water	MGAL	236.000	236.000
0194	625.0100	Topsoil	SY	847.000	847.000
0196	627.0200	Mulching	SY	8,700.000	8,700.000
0198	628.1504	Silt Fence	LF	500.000	500.000
0200	628.1520	Silt Fence Maintenance	LF	2,000.000	2,000.000
0202	628.1905	Mobilizations Erosion Control	EACH	24.000	24.000
0204	628.1910	Mobilizations Emergency Erosion Control	EACH	10.000	10.000
0206	628.2006	Erosion Mat Urban Class I Type A	SY	59.000	59.000
0208	628.7005	Inlet Protection Type A	EACH	21.000	21.000
0212	628.7015	Inlet Protection Type C	EACH	45.000	45.000
0214	628.7020	Inlet Protection Type D	EACH	10.000	10.000
0216	628.7560	Tracking Pads	EACH	21.000	21.000
0218	629.0210	Fertilizer Type B	CWT	6.000	6.000
0220	630.0130	Seeding Mixture No. 30	LB	1.100	1.100
0226	630.0300	Seeding Borrow Pit	LB	120.000	120.000
0228	630.0500	Seed Water	MGAL	201.000	201.000
0230	631.0300	Sod Water	MGAL	18.000	18.000
0232	631.1000	Sod Lawn	SY	788.000	788.000
0234	637.2210	Signs Type II Reflective H	SF	113.060	113.060
0238	638.2102	Moving Signs Type II	EACH	47.000	47.000
0240	638.3000	Removing Small Sign Supports	EACH	13.000	13.000
0242	642.5401	Field Office Type D	EACH	0.500	0.500
0244	643.0300	Traffic Control Drums	DAY	63,522.000	63,522.000
0246	643.0410	Traffic Control Barricades Type II	DAY	2,305.000	2,305.000
0248	643.0420	Traffic Control Barricades Type III	DAY	9,154.000	9,154.000
0250	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	13.000	13.000
0252	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	12.000	12.000
0254	643.0705	Traffic Control Warning Lights Type A	DAY	18,308.000	18,308.000
0256	643.0715	Traffic Control Warning Lights Type C	DAY	7,703.000	7,703.000
0258	643.0800	Traffic Control Arrow Boards	DAY	565.000	565.000
0260	643.0900	Traffic Control Signs	DAY	20,763.000	20,763.000
0262	643.0910	Traffic Control Covering Signs Type I	EACH	4.000	4.000
0264	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0266	643.1050	Traffic Control Signs PCMS	DAY	417.000	417.000
0268	643.5000	Traffic Control	EACH	0.500	0.500
0270	644.1410	Temporary Pedestrian Surface Asphalt	SF	580.000	580.000
0272	644.1420	Temporary Pedestrian Surface Plywood	SF	1,030.000	1,030.000
0274	644.1430	Temporary Pedestrian Surface Plate	SF	500.000	500.000

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Line	Item	Item Description	Unit	Total	Qty
0276	644.1601	Temporary Pedestrian Curb Ramp	DAY	527.000	527.000
0278	644.1810	Temporary Pedestrian Barricade	LF	3,240.000	3,240.000
0280	645.0140	Geotextile Type SAS	SY	478.000	478.000
0282	646.1020	Marking Line Epoxy 4-Inch	LF	3,946.000	3,946.000
0284	646.3020	Marking Line Epoxy 8-Inch	LF	726.000	726.000
0286	646.5020	Marking Arrow Epoxy	EACH	11.000	11.000
0288	646.5120	Marking Word Epoxy	EACH	3.000	3.000
0290	646.5220	Marking Symbol Epoxy	EACH	1.000	1.000
0292	646.5320	Marking Railroad Crossings Epoxy	EACH	2.000	2.000
0294	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	951.000	951.000
0296	646.8120	Marking Curb Epoxy	LF	70.000	70.000
0298	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000
0300	646.9000	Marking Removal Line 4-Inch	LF	150.000	150.000
0304	646.9055	Marking Removal Line Grooved Contrast Permanent Tape 4-Inch	LF	187.000	187.000
0306	646.9100	Marking Removal Line 8-Inch	LF	152.000	152.000
0308	646.9155	Marking Removal Line Grooved Contrast Permanent Tape 8-Inch	LF	293.000	293.000
0312	649.0105	Temporary Marking Line Paint 4-Inch	LF	2,839.000	2,839.000
0314	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	9,485.000	9,485.000
0316	649.0155	Temporary Marking Line Removable Contrast Tape 4-Inch	LF	3,494.000	3,494.000
0318	649.0205	Temporary Marking Line Paint 8-Inch	LF	1,424.000	1,424.000
0320	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	3,790.000	3,790.000
0322	649.0255	Temporary Marking Line Removable Contrast Tape 8-Inch	LF	1,740.000	1,740.000
0324	649.0805	Temporary Marking Stop Line Paint 18-Inch	LF	78.000	78.000
0326	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	97.000	97.000
0328	649.0950	Temporary Marking Diagonal Removable Tape 12-Inch	LF	274.000	274.000
0330	649.0960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	660.000	660.000
0332	649.0970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	525.000	525.000
0334	650.4000	Construction Staking Storm Sewer	EACH	10.000	10.000
0336	650.4500	Construction Staking Subgrade	LF	1,760.000	1,760.000
0340	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	7.000	7.000
0342	650.7000	Construction Staking Concrete Pavement	LF	1,760.000	1,760.000
0346	650.8500	Construction Staking Electrical Installations (project) 02. 5400-00-73	LS	1.000	1.000
0348	650.9000	Construction Staking Curb Ramps	EACH	22.000	22.000
0352	650.9910	Construction Staking Supplemental Control (project) 02. 5400-00-73	LS	1.000	1.000
0354	650.9920	Construction Staking Slope Stakes	LF	1,760.000	1,760.000
0356	652.0215	Conduit Rigid Nonmetallic Schedule 40 1 1/4-Inch	LF	95.000	95.000
0358	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,932.000	1,932.000
0360	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,216.000	1,216.000
0362	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	463.000	463.000
0364	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	605.000	605.000
0366	652.0800	Conduit Loop Detector	LF	336.000	336.000
0368	653.0135	Pull Boxes Steel 24x36-Inch	EACH	1.000	1.000
0370	653.0905	Removing Pull Boxes	EACH	6.000	6.000
0372	655.0230	Cable Traffic Signal 5-14 AWG	LF	315.000	315.000
0374	655.0240	Cable Traffic Signal 7-14 AWG	LF	225.000	225.000
0376	655.0250	Cable Traffic Signal 9-14 AWG	LF	200.000	200.000
0380	655.0615	Electrical Wire Lighting 10 AWG	LF	1,500.000	1,500.000
0382	655.0620	Electrical Wire Lighting 8 AWG	LF	2,559.000	2,559.000
0384	655.0625	Electrical Wire Lighting 6 AWG	LF	7,677.000	7,677.000

5400-00-73

Line	Item	Item Description	Unit	Total	Qty
0386	655.0800	Loop Detector Wire	LF	930.000	930.000
0390	657.0100	Pedestal Bases	EACH	2.000	2.000
0392	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	2.000	2.000
0398	659.1115	Luminaires Utility LED A	EACH	3.000	3.000
0400	674.0300	Remove Cable	LF	70.000	70.000
0402	674.0400	Reinstall Cable	LF	70.000	70.000
0404	690.0150	Sawing Asphalt	LF	158.000	158.000
0406	690.0250	Sawing Concrete	LF	7,748.000	7,748.000
0408	715.0715	Incentive Flexural Strength Concrete Pavement	DOL	3,646.000	3,646.000
0410	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	3,646.000	3,646.000
0414	999.1501.S	Crack and Damage Survey	EACH	4.000	4.000
0416	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,250.000	1,250.000
0418	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,750.000	1,750.000
0422	SPV.0060	Special 01. Root Pruning Trees	EACH	25.000	25.000
0424	SPV.0060	Special 02. Precast Sign Post Base	EACH	4.000	4.000
0426	SPV.0060	Special 03. Sign Post Base for Concrete Installation	EACH	11.000	11.000
0428	SPV.0060	Special 04. Utility Line Opening (ULO)	EACH	6.000	6.000
0430	SPV.0060	Special 05. Storm Sewer Tap	EACH	2.000	2.000
0432	SPV.0060	Special 06. Inlet Covers Type DW	EACH	1.000	1.000
0434	SPV.0060	Special 07. Slurry Backfill	EACH	9.000	9.000
0436	SPV.0060	Special 08. Street Light Removal	EACH	8.000	8.000
0438	SPV.0060	Special 09. Locate and Reference Property Corners	EACH	5.000	5.000
0440	SPV.0060	Special 10. Reset Property Corners	EACH	5.000	5.000
0442	SPV.0060	Special 11. Marking Yield Line Epoxy 30-Inch	EACH	14.000	14.000
0446	SPV.0060	Special 13. Temporary Traffic Signal Wood Poles and Span Wire Blair St - E Washington	EACH	1.000	1.000
0450	SPV.0060	Special 15. Salvage and Replace Landscape Modular Block Retaining Wall	EACH	1.000	1.000
0456	SPV.0060	Special 18. Project Dewatering, ID 5400-00-73	EACH	1.000	1.000
0494	SPV.0060	Special 51. Poles 30-FT 11 Gauge, Single Simplex	EACH	2.000	2.000
0500	SPV.0060	Special 54. Poles 30-FT 7 Gauge	EACH	1.000	1.000
0502	SPV.0060	Special 55. Poles 20-FT 7 Gauge	EACH	4.000	4.000
0506	SPV.0060	Special 57. Arm 8-FT, Simplex	EACH	3.000	3.000
0508	SPV.0060	Special 58. Electrical Pullbox, Type I	EACH	15.000	15.000
0510	SPV.0060	Special 59. Electrical Pullbox, Type III	EACH	2.000	2.000
0512	SPV.0060	Special 60. Electrical Pullbox, Type V	EACH	3.000	3.000
0514	SPV.0060	Special 61. Electrical Pullbox, Type VII	EACH	2.000	2.000
0516	SPV.0060	Special 62. Concrete Base Type G	EACH	2.000	2.000
0518	SPV.0060	Special 63. Concrete Base Type LB-1	EACH	15.000	15.000
0520	SPV.0060	Special 64. Concrete Base Type LB-3	EACH	2.000	2.000
0522	SPV.0060	Special 65. Concrete Base Type LB-8	EACH	6.000	6.000
0524	SPV.0060	Special 66. Concrete Base Type LB-SP	EACH	1.000	1.000
0528	SPV.0060	Special 68. Concrete Base Offset	EACH	2.000	2.000
0532	SPV.0060	Special 70. Transformer Base 16-Inch Steel	EACH	2.000	2.000
0546	SPV.0060	Special 77. Traffic Signal Trombone Arms Aluminum 18-Foot	EACH	2.000	2.000
0560	SPV.0060	Special 84. Decorative Light Pole	EACH	15.000	15.000
0562	SPV.0060	Special 85. Holophane Washington Decorative Fixture	EACH	15.000	15.000
0568	SPV.0060	Special 88. Temporary Lighting	EACH	1.000	1.000
0570	SPV.0090	Special 01. Sign Post	LF	30.000	30.000
0572	SPV.0090	Special 02. Reflective Sign Post	LF	118.000	118.000

5400-00-73

Line	Item	Item Description	Unit	Total	Qty
0574	SPV.0090	Special 03. Concrete Curb & Gutter Integral 18-Inch Special	LF	663.000	663.000
0576	SPV.0090	Special 04. Concrete Curb & Gutter 24-Inch Type A Special	LF	235.000	235.000
0580	SPV.0090	Special 06. Concrete Curb & Gutter 30-Inch Type A Special	LF	1,857.000	1,857.000
0582	SPV.0090	Special 07. Concrete Curb & Gutter 30-Inch Type D Special	LF	7.000	7.000
0584	SPV.0090	Special 08. Concrete Curb & Gutter 30-Inch Type AX Special	LF	234.000	234.000
0594	SPV.0090	Special 13. Marking Crosswalk Epoxy Ladder Pattern 18-Inch	LF	222.000	222.000
0596	SPV.0090	Special 14. Marking Stop Line Epoxy 24-Inch	LF	219.000	219.000
0612	SPV.0090	Special 51. Electrical Wire Lighting 14-3 UF Grounded	LF	450.000	450.000
0614	SPV.0090	Special 52. Loop Detector Lead-In Cable Special	LF	800.000	800.000
0618	SPV.0170	Special 01. Pavement Cleanup	STA	26.000	26.000
0622	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Contaminated Soil	TON	200.000	200.000

3

CLEARING AND GRUBBING ITEMS

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010	51+00	RT	12	12

REMOVING MASONRY

CATEGORY	LOCATION	204.0185 CY	REMARKS
0010	UNDISTRIBUTED	2	FOR REMOVAL OF MISC. ABANDONED STRUCTURES IF ENCOUNTERED

REMOVING CONCRETE PAVEMENT

CATEGORY	STAGE	STATION - STATION	LOCATION	204.0100 SY
0010	1B	50+39.35 - 60+08.12	RT	3,250
		CONCRETE DRIVEWAYS	LT	7
		SUBTOTAL (STAGE 1B)		3,257
	1C	50+39.35 - 60+08.12	LT	2,940
		CONCRETE DRIVEWAYS	LT	50
		SUBTOTAL (STAGE 1C)		2,990
	2A	227+83.51 - 232+34.83	RT	590
		SUBTOTAL (STAGE 2A)		590
	2B	227+84.20 - 233+59.17	LT/RT	2,230
		SUBTOTAL (STAGE 2B)		2,230
	2C	226+35.99 - 227+84.91	RT	360
		SUBTOTAL (STAGE 2C)		360
	2D	226+33.84 - 228+01.39	LT/RT	410
		SUBTOTAL (STAGE 2D)		410
	2E	226+50.04 - 234+12.18	LT	860
		SUBTOTAL (STAGE 2E)		860
	2F	226+45.33 - 234+25.10	LT	2,370
		CONCRETE DRIVEWAYS	LT	55
		SUBTOTAL (STAGE 2F)		2,425
		TOTAL		13,122

EARTHWORK SUMMARY

CATEGORY	STAGE	LOCATION	STA	TO	STA	(C) CUT CY	(E) UNDISTRIBUTED EBS EXCAVATION CY	(2) 205.0100* EXCAVATION COMMON CY	(S) SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	(4) AVAILABLE MATERIAL CY	(5) 0% REDUCED EBS IN FILL CY	(6) 110.0% EXPANDED EBS BACKFILL CY	UNEXPANDED FILL CY	(7) 100.0% UNDISTRIBUTED 312.0110* SELECT CRUSHED MATERIAL TON***	(8) ** 120.00% EXPANDED FILL CY	(9) MASS ORDINATE EXCESS (SHORTAGE) CY	(10) 208.0100 BORROW CY
0010	1B	BLAIR STREET	50+39.35	-	60+08.12	3,294	329	3,623	723	2,571	--	362	6	688	7	2,565	--
	1C	BLAIR STREET	50+39.35	-	60+08.12	3,036	304	3,340	666	2,370	--	334	5	635	6	2,363	--
	2A	E WASHINGTON AVENUE	227+83.51	-	232+34.83	546	55	601	130	416	--	61	1	115	1	414	--
	2B	E WASHINGTON AVENUE	227+84.20	-	233+59.17	2,030	203	2,233	483	1,547	--	223	4	424	5	1,542	--
	2C	E WASHINGTON AVENUE	226+35.99	-	227+84.91	333	33	366	79	253	--	36	1	69	1	253	--
	2D	E WASHINGTON AVENUE	226+33.84	-	228+01.39	383	38	421	91	292	--	42	1	79	1	291	--
	2E	E WASHINGTON AVENUE	226+50.04	-	234+12.18	804	80	884	191	612	--	88	2	167	2	611	--
	2F	E WASHINGTON AVENUE	226+45.33	-	234+25.10	2,320	232	2,552	552	1,768	--	255	4	485	5	1,762	--
		GRAND TOTAL				12,745	1,274	14,019	2,916	9,829	--	1,401	23	2,662	28	9,801	--

NOTES

1) UNDISTRIBUTED EBS EXCAVATION (E) = 10% OF CUT (C)
2) EXCAVATION COMMON IS THE SUM OF THE CUT (C) AND EBS EXCAVATION (E).
3) EBS EXCAVATION (E) TO BE BACKFILLED WITH BREAKER RUN.
4) AVAILABLE MATERIAL = CUT (C) - (S).
5) SOILS REMOVED AS EBS MUST BE WASTED OFFSITE AND NOT REUSED AS FILL.
6) EXPANDED EBS BACKFILL. THIS IS TO BE FILLED WITH BREAKER RUN. EBS EXPANSION FACTOR 1.30.
7) UNDISTRIBUTED QUANTITY OF BREAKER RUN USED TO FILL EBS.
8) EXPANDED FILL = {UNEXPANDED FILL * 130% FILL FACTOR}.
9) MASS ORDINATE =AVAILABLE MATERIAL (5) - EXPANDED FILL (10) = BORROW AND SELECT BORROW OR WASTE
10) BORROW = MASS ORDINATE (SHORTAGE) (11) - SELECT BORROW

* ADDITIONAL QUANTITIES LISTED ELSEWHERE
** FILL EXPANSION FACTOR = 1.30
*** CY TO TON CONVERSION FACTOR = 1.90 TON/CY

CONCRETE PAVEMENT GAPS

CATEGORY	STATION - STATION	LOCATION	415.0210 EACH
0010	50+39.35 - 60+08.12	LT/RT	3
	226+33.84 - 234+25.10	LT/RT	7
	TOTAL		10

COLD PATCH

CATEGORY	LOCATION	495.1000.S TON	REMARKS
0010	UNDISTRIBUTED	10	FOR PATCHING OF EXISTING PAVEMENT DURING CONSTRUCTION

CONCRETE DRIVEWAY ITEMS

CATEGORY	STATION	LOCATION	416.0170 CONCRETE DRIVEWAY 7-INCH SY	416.0270 CONCRETE DRIVEWAY HES 7-INCH SY
0010	51+18	LT	8	8
	52+97	LT	8	8
	53+63	LT	4	4
	54+31	LT	2	2
	54+77	LT	3	3
	57+60	LT	7	7
	58+27	LT	11	11
	58+85	RT	3	3
	58+99	LT	11	11
	229+33	LT	18	18
	230+49	LT	9	9
	233+83	LT	8	8
	TOTALS		91	91

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BASE AGGREGATE ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	312.0110* SELECT CRUSHED MATERIAL TON	624.0100 WATER (FOR COMPACTION) MGAL	624.0100 WATER (FOR DUST CONTROL) MGAL
0010	1B	50+39.35 - 60+08.12	RT	55	1,150	2,750	60	2
		SUBTOTALS (STAGE 1B)		55	1,150	2,750	60	2
	1C	50+39.35 - 60+08.12	LT	35	1,050	2,500	55	2
		SUBTOTALS (STAGE 1C)		35	1,050	2,500	55	2
	2A	227+83.51 - 232+34.83	RT	3	190	480	10	--
		SUBTOTALS (STAGE 2A)		3	190	480	10	--
	2B	227+84.20 - 233+59.17	LT/RT	--	710	1,800	35	1
		SUBTOTALS (STAGE 2B)		--	710	1,800	35	1
	2C	226+35.99 - 227+84.91	RT	--	120	290	6	--
		SUBTOTALS (STAGE 2C)		--	120	290	6	--
	2D	226+33.84 - 228+01.39	LT/RT	1	130	340	7	--
		SUBTOTALS (STAGE 2D)		1	130	340	7	--
	2E	226+50.04 - 234+12.18	LT	--	280	700	15	1
		SUBTOTALS (STAGE 2E)		--	280	700	15	1
	2F	226+45.33 - 234+25.10	LT	10	810	1,950	40	2
		SUBTOTALS (STAGE 2F)		10	810	1,950	40	2
		TOTALS		104	4,440	10,810	236	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT ITEMS

CATEGORY	STAGE	STATION - STATION	LOCATION	415.0095 CONCRETE PAVEMENT 9 1/2-INCH SY	415.1095 CONCRETE PAVEMENT HES 9 1/2-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	1B	50+39.35 - 60+08.12	RT	2,926	---	3,171	3	15
		SUBTOTALS (STAGE 1B)		2,926	---	3,171	3	15
	1C	50+39.35 - 60+08.12	LT	2,655	---	2,880	---	7
		SUBTOTALS (STAGE 1C)		2,655	---	2,880	---	7
	2A	227+83.51 - 232+34.83	RT	579	---	590	108	22
		SUBTOTALS (STAGE 2A)		579	---	590	108	22
	2B	227+84.20 - 233+59.17	LT/RT	2,228	---	2,228	278	86
		SUBTOTALS (STAGE 2B)		2,228	---	2,228	278	86
	2C	226+35.99 - 227+84.91	RT	357	---	357	30	19
		SUBTOTALS (STAGE 2C)		357	---	357	30	19
	2D	226+33.84 - 228+01.39	LT/RT	387	---	396	45	17
		SUBTOTALS (STAGE 2D)		387	---	396	45	17
	2E	226+50.04 - 234+12.18	LT	858	---	860	81	22
		SUBTOTALS (STAGE 2E)		858	---	860	81	22
	2F	226+45.33 - 234+25.10	LT	2,172	---	2,272	7	55
		SUBTOTALS (STAGE 2F)		2,172	---	2,272	7	55
---		UNDSTRIBUTED	LT/RT	---	100	---	---	---
		SUBTOTALS (UNDISTRIBUTED)		---	100	---	---	---
		TOTALS		12,162	100	12,754	552	242

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ASPHALTIC ITEMS

CATEGORY	LOCATION	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	455.0605 TACK COAT GAL
0010	RAILROAD STREET (STAGE 1B)	3	2	3
	MAIN STREET (STAGE 1C)	5	4	5
	MAIN STREET (STAGE 1C)	3	2	3
	NORTH BLAIR STREET (STAGE 2F)	4	2	3
	TOTALS	15	10	14

NOTE: HMA PAVEMENT WEIGHT CALCULATIONS BASED ON 112 LB/SY/IN.

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

CATEGORY	STATION	LOCATION	465.0120 TON	REMARKS
0010	51+27	LT	1	DRIVEWAY
	52+97	LT	1	DRIVEWAY
	53+64	LT	1	DRIVEWAY
	57+65	LT	1	DRIVEWAY
	58+26	LT	1	DRIVEWAY
	58+98	LT	2	DRIVEWAY
	229+21	LT	1	DRIVEWAY
	TOTAL		8	

TEMPORARY WIDENING & CROSSOVER SUMMARY

CATEGORY	STAGE	STATION - STATION	LOCATION	205.0100* EXCAVATION COMMON CY	305.0120* BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	611.8110* ADJUSTING MANHOLE COVERS EACH	REMARKS
0010	STAGE 1B	59+51 - 60+08	LT/RT	50	65	25	1	USH 151 MEDIAN ISLANDS
	STAGE 2E, PHASE 1	229+95 - 231+30	LT	7	8	3	---	USH 151
		TOTALS		57	73	28	1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
REMOVAL QUANTITIES SHOWN ABOVE ARE THOSE THAT ARE IN ADDITION TO THOSE ASSOICATED WITH THE OVERALL PROJECT'S RECONSTRUCTI
WHERE ASPHALTIC SURFACE TEMPORARY IS ABOVE PROPOSED ROADWAY AGGREGATE USE BASE AGGREGATE DENSE FOR THE PERMANENT ROAI

3

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	STATION - STATION	SPV.0090.03 CONCRETE CURB & GUTTER INTEGRAL 18-INCH SPECIAL LF	SPV.0090.04 CONCRETE CURB & GUTTER 24-INCH TYPE A SPECIAL LF	SPV.0090.06 CONCRETE CURB & GUTTER 30-INCH TYPE A SPECIAL LF	SPV.0090.07 CONCRETE CURB & GUTTER 30-INCH TYPE D SPECIAL LF	SPV.0090.08 CONCRETE CURB & GUTTER 30-INCH TYPE AX SPECIAL LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
0010	1B	50+39.35 - 60+08.12	---	117	800	7	31	---	7
		SUBTOTALS (STAGE 1B)	---	117	800	7	31	---	7
	1C	50+39.35 - 60+08.12	---	---	782	---	203	---	---
		SUBTOTALS (STAGE 1C)	---	---	782	---	203	---	---
	2A	227+83.51 - 232+34.83	---	---	50	---	---	---	---
		SUBTOTALS (STAGE 2A)	---	---	50	---	---	---	---
	2D	226+33.84 - 228+01.39	---	62	---	---	---	---	---
		SUBTOTALS (STAGE 2D)	---	62	---	---	---	---	---
	2E	226+50.04 - 234+12.18	---	12	---	---	---	---	---
		SUBTOTALS (STAGE 2E)	---	12	---	---	---	---	---
	2F	226+45.33 - 234+25.10	663	---	111	---	---	18	---
		SUBTOTALS (STAGE 2F)	663	---	111	---	---	18	---
	2G	59+50.28 - 60+08.12	---	44	114	---	---	---	---
		SUBTOTALS (STAGE 2G)	---	44	114	---	---	---	---
		TOTALS	663	235	1,857	7	234	18	7

SIDEWALK ITEMS

CATEGORY	STATION - STATION	204.0155 REMOVING CONCRETE SIDEWALK SY	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0420 CONCRETE SIDEWALK 7-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EA
0010	50+39.35 - 60+08.12	870	7,520	190	170	17
	226+33.84 - 234+25.10	170	1,160	210	50	5
	TOTALS	1,040	8,680	400	220	22

DUST CONTROL SURFACE TREATMENT

CATEGORY	PROJECT	623.0200 SY
0010	5400-00-73	13,500

CONCRETE STEPS

CATEGORY	STATION	LOCATION	602.1500 SF
0010	56+63	LT	15

MAINTENANCE AND REPAIR OF HAUL ROADS

CATEGORY	PROJECT	618.0100 EACH
0060	5400-00-73	1

FENCE SAFETY

CATEGORY	STATION - STATION	LOCATION	616.0700.S LF	REMARKS
0010	50+39.35 - 60+08.12	LT/RT	304	TREE PROTECTION
	226+33.84 - 234+25.10	LT/RT	96	TREE PROTECTION
	UNDISTRIBUTED	LT/RT	500	
	TOTAL		900	

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	LOCATION	620.0300 SF
0010	50+45.39	LT	17
	59+50.28	RT	61
	59+56.55	LT/RT	30
	59+90.48	LT/RT	30
	227+56.39	LT/RT	23
	TOTAL		161

SILT FENCE SUMMARY

CATEGORY	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	WASTE SITE	500	2,000

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STORM SEWER REMOVAL ITEMS

CATEGORY	STATION - STATION	LOCATION	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 12-INCH TO 21-INCH LF	204.0245.02 REMOVING STORM SEWER 24-INCH TO 36-INCH LF	204.0291.S ABANDONING SEWER (12-INCH) CY
0010	50+39.35 - 60+08.12	LT/RT	5	80	---	---
	226+33.84 - 234+25.10	LT/RT	1	---	10	0.4
	TOTALS		6	80	10	0.4

MANHOLE AND INLET COVERS

CATEGORY	STATION	LOCATION	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624* INLET COVERS TYPE H EACH	611.0639* INLET COVERS TYPE H-S EACH
0010	52+68	LT	---	---	1
	53+21	LT	---	---	1
	53+21	RT	1	---	---
	53+28	LT	---	---	1
	56+08	LT	1	---	---
	56+09	LT	---	2	---
	56+46	RT	1	---	---
	227+35	LT	---	1	---
	227+39	LT	---	1	---
	228+07	LT	1	---	---
	229+65	LT	---	1	---
	231+18	LT	---	1	---
	232+55	LT	---	1	---
	232+62	LT	1	---	---
	234+06	LT	---	1	---
	TOTALS		5	8	3

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

RECONSTRUCTING INLETS

CATEGORY	STATION - STATION	LOCATION	611.0430 EACH
0010	226+33.84 - 234+25.10	LT	4

PIPE UNDERDRAIN SUMMARY

CATEGORY	STATION - STATION	LOCATION	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF	645.0140 GEOTEXTILE TYPE SAS SY	310.0110 BASE AGGREGATE OPEN-GRADED TON
0010	50+40 - 51+20	LT	80	45	5
	50+40 - 51+26	LT	85	50	5
	50+75 - 51+50	RT	75	40	4
	51+39 - 52+55	LT	120	65	7
	57+64 - 59+14	LT	150	85	8
	57+64 - 59+14	LT	150	85	8
	227+28 - 227+64	RT	35	20	2
	227+39 - 227+54	LT	15	8	1
	UNDISTRIBUTED	RT	140	80	8
	TOTALS		850	478	48

ADJUSTING STORM SEWER ITEMS

CATEGORY	STATION - STATION	LOCATION	611.8110* ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
0010	50+39.35 - 60+08.12	LT/RT	5	1

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.6012 STORM SEWER PIPE COMPOSITE 12-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH	SPV.0060.05 STORM SEWER TAP EACH
0010	C-101	C-101	---	---	---	1	---
	200-A	200-A	6	---	---	---	---
	200-B	200-B	48	---	---	---	---
	200-C	200-A	10	---	---	---	---
	C-100	-	---	---	6	---	---
	-	C-102	---	---	---	---	---
	205-A	-	6	---	---	---	---
	C-102	0	---	---	---	1	---
	C-103	C-103	---	---	---	1	1
	210-A	210-A	57	---	---	---	---
	210-B	-	17	---	---	---	---
	-	215-A	---	---	---	---	---
	215-B	C-104	6	---	---	---	---
	215-A	-	4	---	---	---	---
	C-104	-	---	---	---	1	---
	220-B	220-B	---	---	---	1	1
	220-A	-	6	---	---	---	---
	-	225-A	---	---	---	---	---
	C-105	C-106	---	6	---	1	---
	225-A	-	---	6	---	---	---
	C-106	-	---	---	---	1	---
	TOTALS		160	12	6	7	2

INLETS, MANHOLES, TEES, PLUGS, MANHOLE COVERS, AND INLET COVERS

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	611.0624* INLET COVERS TYPE H EACH	611.0639* INLET COVERS TYPE H-S EACH	SPV.0060.06 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	C-101	51+17	24.2 'LT	---	---	---	---	---	---
	200-A	51+23	24.0 'LT	---	1	---	---	1	1
	200-B	51+70.00	23.5 'LT	---	1	---	1	---	1
	200-C	51+80.00	23.5 'LT	---	1	---	1	---	1
	C-100	51+26	29.2 'LT	---	---	---	---	---	---
	205-A	51+14	23.5 'RT	---	1	---	1	---	1
	C-102	51+14	17.5 'RT	---	---	---	---	---	---
	C-103	53+20.66	37.5 'RT	---	---	---	---	---	---
	210-A	52+65	23.5 'RT	---	1	---	1	---	1
	210-B	52+48	23.5 'RT	---	1	1	---	---	1
	215-B	53+38	23.5 'RT	---	1	1	---	---	1
	215-A	53+32	23.5 'RT	1	---	1	---	---	1
	C-104	53+30	26.6 'RT	---	---	---	---	---	---
	220-B	56+48	46.7 'LT	---	---	1	---	---	---
	220-A	56+48	40.6 'LT	---	1	1	---	---	1
	C-105	227+16	47.4 'LT	---	---	---	---	---	---
	225-A	227+22	47.5 'LT	1	---	1	---	---	1
	C-106	227+27.69	47.6 'LT	---	---	---	---	---	---
	TOTALS			2	8	6	4	1	10

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	5400-00-73	24	10

INLET PROTECTION

CATEGORY	STATION - STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	50+39.35 - 60+08.12	LT/RT	12	15	8
	226+33.84 - 234+25.10	LT/RT	5	21	---
	25% UNDISTRIBUTED	LT/RT	4	9	2
	TOTALS		21	45	10

TRACKING PADS

CATEGORY	STAGE	STATION - STATION	628.7560 EACH
0010	1B	50+39.35 - 60+08.12	2
	1C	50+39.35 - 60+08.12	2
	2A	227+83.51 - 232+34.83	2
	2B	227+84.20 - 233+59.17	2
	2C	226+35.99 - 227+84.91	2
	2D	226+33.84 - 228+01.39	2
	2E	226+50.04 - 234+12.18	2
	2F	226+45.33 - 234+25.10	2
		WASTE SITE	1
		UNDISTRIBUTED	4
		TOTAL	21

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	50+39.35 - 60+08.12	LT/RT	231	---	42	0.1	0.75	---	1	4	189
	226+33.84 - 234+25.10	LT/RT	446	---	6	0.3	0.11	---	---	10	441
	WASTE SITE	---	---	6,950	---	4.4	---	95	160	---	---
	25% UNDISTRIBUTED	---	169	1,750	12	1.2	0.21	25	40	4	158
	TOTALS		847	8,700	59	6.0	1.1	120	201	18	788

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	5400-00-73	0.5

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	5400-00-73	0.5

TRAFFIC CONTROL SIGNS - MISCELLANEOUS

CATEGORY	STAGE	643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I NUMBER OF CYCLES	TYPE I NUMBER OF SIGNS	TYPE I EACH	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NUMBER OF CYCLES	TYPE II NUMBER OF SIGNS	TYPE II EACH
0010	STAGE 1B, PHASE 1	1	2	2	1	2	2
	STAGE 2A, PHASE 1	1	2	2	1	1	1
	STAGE 2A, PHASE 2	---	---	---	---	---	---
	STAGE 2B	---	---	---	1	2	2
	STAGE 2E, PHASE 1	---	---	---	1	1	1
	STAGE 2E, PHASE 2	---	---	---	1	1	1
	STAGE 2F	---	---	---	1	1	1
	TOTALS			4			8

PROJECT DEWATERING, ID 5400-00-73

CATEGORY	LOCATION	SPV.0060.18 EACH
0010	UNDISTRIBUTED	1

TEMPORARY PEDESTRIAN FACILITIES

CATEGORY	STAGE	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1810 BARRICADE LF
0010	STAGE 1A	---	---	---	---
	STAGE 1B, PHASE 1	---	---	---	580
	STAGE 1B, PHASE 2	---	---	---	325
	STAGE 1C, PHASE 1	80	180	---	565
	STAGE 1C, PHASES 2 & 3	---	---	---	175
	STAGE 1D, PHASE 1	---	---	---	---
	STAGE 1D, PHASE 2	---	---	---	---
	STAGE 1E	---	---	---	---
	STAGE 2A, PHASE 1	---	---	---	75
	STAGE 2A, PHASE 2	---	---	---	85
	STAGE 2B	---	---	---	55
	STAGE 2C	---	---	---	110
	STAGE 2D	---	---	---	245
	STAGE 2E, PHASE 1	---	---	---	215
	STAGE 2E, PHASE 2	---	---	---	15
	STAGE 2F	---	350	---	155
	STAGE 2G	---	---	---	220
	UNDISTRIBUTED	500	500	500	420
	TOTALS	580	1,030	500	3,240

TRAFFIC CONTROL SAWING

CATEGORY	STAGE	*690.0250 SAWING CONCRETE LF
0010	STAGE 1A	---
	STAGE 1B	1,070
	STAGE 1C, PHASE 1	56
	STAGE 1C, PHASES 2 & 3	---
	STAGE 1D, PHASE 1	---
	STAGE 1D, PHASE 2	---
	STAGE 1E	---
	STAGE 2A, PHASE 1	89
	STAGE 2A, PHASE 2	395
	STAGE 2B	415
	STAGE 2C	150
	STAGE 2D	150
	STAGE 2E, PHASE 1	590
	STAGE 2E, PHASE 2	185
	STAGE 2F	---
	STAGE 2G	---
	UNDISTRIBUTED	775
	TOTAL	3,875

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL SUMMARY

CATEGORY	STAGE	LOCATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS QTY	643.0300 DAY	643.0410 TRAFFIC CONTROL BARRICADES TYPE II QTY	643.0410 DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III QTY	643.0420 DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A QTY	643.0705 DAY	643.0715 TYPE C QTY	643.0715 DAY	643.0800 ARROW BOARDS QTY	643.0800 DAY	643.0900 TRAFFIC CONTROL SIGNS QTY	643.0900 DAY	643.1050 SIGNS PCMS QTY	643.1050 DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP QTY	644.1601 DAY
0010	ADVANCE WARNING	STAGE 1A	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	21	---	---
		STAGE 1B, PHASE 1	41	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	656	1	41	---	---
		STAGE 1B, PHASES 2 & 3	19	---	---	7	133	---	---	---	---	---	---	---	---	---	---	18	342	2	38	---	---
		STAGE 1C, PHASE 1	35	---	---	---	---	---	---	---	---	---	---	---	---	---	---	16	560	---	---	---	---
		STAGE 1C, PHASE 2	23	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	322	---	---	---	---
		STAGE 1C, PHASE 3	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	14	280	---	---	---	---
		STAGE 1D, PHASE 1	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	370	---	---	---	---
		STAGE 1D, PHASE 2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	250	---	---	---	---
		STAGE 1E	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	10	150	---	---	---	---
		STAGE 2A, PHASE 1	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	35	665	---	---	---	---
		STAGE 2A, PHASE 2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	21	525	---	---	---	---
		STAGE 2B	31	---	---	---	---	---	---	---	---	---	---	---	---	---	---	31	961	---	---	---	---
		STAGE 2C	22	---	---	7	154	---	---	---	---	---	---	---	---	---	---	25	550	1	3	---	---
		STAGE 2D	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	528	---	---	---	---
		STAGE 2E, PHASE 1	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	22	484	---	---	---	---
		STAGE 2E, PHASE 2	16	---	---	---	---	---	---	---	---	---	---	---	---	---	---	24	384	---	---	---	---
		STAGE 2F	47	---	---	---	---	7	329	---	---	14	658	---	---	---	---	35	1,645	---	---	---	---
		STAGE 2G	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	17	340	---	---	---	---
		PRE-WARN PRIOR TO EACH STAGE CHANGE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	153	---	---
		SUBTOTALS (ADVANCE WARNING)			0		287		329	0	0		658		0		0		9,012		256		0
	PEDESTRIAN ROUTING	STAGE 1A	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		STAGE 1B, PHASE 1	41	---	---	16	656	---	---	---	---	---	---	---	---	---	---	16	656	---	---	---	---
		STAGE 1B, PHASES 2 & 3	19	---	---	14	266	---	---	---	---	---	---	---	---	---	---	14	266	---	---	---	---
		STAGE 1C, PHASE 1	35	---	---	5	175	---	---	---	---	---	---	---	---	---	---	5	175	---	---	---	---
		STAGE 1C, PHASE 2	23	---	---	5	115	---	---	---	---	---	---	---	---	---	---	5	115	---	---	---	---
		STAGE 1C, PHASE 3	20	---	---	5	100	---	---	---	---	---	---	---	---	---	---	5	100	---	---	---	---
		STAGE 1D, PHASE 1	37	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		STAGE 1D, PHASE 2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		STAGE 1E	15	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		STAGE 2A, PHASE 1	19	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	38
		STAGE 2A, PHASE 2	25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	25
		STAGE 2B	31	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	31
		STAGE 2C	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	66
		STAGE 2D	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	4	96
		STAGE 2E, PHASE 1	22	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	66
		STAGE 2E, PHASE 2	16	---	---	2	32	---	---	---	---	---	---	---	---	---	---	2	32	---	---	3	48
		STAGE 2F	47	---	---	12	564	---	---	---	---	---	---	---	---	---	---	12	564	---	---	2	94
		STAGE 2G	20	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	40
		SUBTOTALS (ADVANCE WARNING)			0		1,908		0	0	0		0		0		0		1,908		0		504
	STAGE 1A		10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 1B, PHASE 1		41	163	6,683	---	---	42	1,722	---	---	84	3,444	10	410	---	---	30	1,230	2	82	---	---
	STAGE 1B, PHASES 2 & 3		19	157	2,983	---	---	38	722	---	---	76	1,444	15	285	1	19	30	570	2	38	---	---
	STAGE 1C, PHASE 1		35	143	5,005	---	---	20	700	---	---	40	1,400	10	350	---	---	26	910	---	---	---	---
	STAGE 1C, PHASE 2		23	86	1,978	---	---	17	391	11	11	34	782	5	115	---	---	31	713	---	---	---	---
	STAGE 1C, PHASE 3		20	86	1,720	---	---	17	340	---	---	34	680	5	100	---	---	31	620	---	---	---	---
	STAGE 1D, PHASE 1		37	30	1,110	---	---	---	---	---	---	---	---	6	222	1	37	---	---	---	---	---	---
	STAGE 1D, PHASE 2		25	30	750	---	---	---	---	---	---	---	---	6	150	1	25	---	---	---	---	---	---
	STAGE 1E		15	10	150	---	---	---	---	---	---	---	---	5	75	1	15	---	---	---	---	---	---
	STAGE 2A, PHASE 1		19	157	2,983	---	---	14	266	---	---	28	532	23	437	2	38	20	380	3	21	---	---
	STAGE 2A, PHASE 2		25	119	2,975	---	---	13	325	---	---	26	650	22	550	2	50	15	375	---	---	---	---
	STAGE 2B		31	272	8,432	---	---	30	930	---	---	60	1,860	46	1,426	3	93	34	1,054	---	---	---	---
	STAGE 2C		22	117	2,574	---	---	12	264	---	---	24	528	19	418	1	22	15	330	---	---	---	---
	STAGE 2D		24	270	6,480	---	---	28	672	---	---	56	1,344	26	624	1	24	34	816	---	---	---	---
	STAGE 2E, PHASE 1		22	224	4,928	---	---	24	528	---	---	48	1,056	31	682	1	22	21	462	---	---	---	---
	STAGE 2E, PHASE 2		16	217	3,472	---	---	26	416	---	---	52	832	35	560	2	32	21	336	---	---	---	---
	STAGE 2F		47	122	5,734	---	---	19	893	---	---	38	1,786	16	752	3	141	14	658	---	---	---	---
	STAGE 2G		20	127	2,540	---	---	11	220	---	---	22	440	9	180	1	20	20	400	---	---	---	---
	SUBTOTALS				60,497		0		8,389	11	11		16,778		7,336		538		8,854		141		0
	UNDISTRIBUTED				3,025		110		436	2	1		872		367		27		989		20		23
	TOTALS				63,522		2,305		9,154	13	12		18,308		7,703		565		20,763		417		527

PERMANENT PAVEMENT MARKING ITEMS

CATEGORY	STATION - STATION	646.1020 MARKING LINE EPOXY 4-INCH SOLID YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH DASHED YELLOW 2-FOOT LINE 6-FOOT GAP LF	646.1020 MARKING LINE EPOXY 4-INCH SOLID WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH DASHED WHITE 2-FOOT LINE 6-FOOT GAP LF	646.1020 MARKING LINE EPOXY 4-INCH DASHED WHITE 12.5-FOOT LINE 37.5-FOOT GAP LF	646.3020 MARKING LINE EPOXY 8-INCH SOLID WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH DASHED WHITE 2-FOOT LINE 6-FOOT GAP LF	646.3020 MARKING LINE EPOXY 8-INCH DASHED WHITE 3-FOOT LINE 9-FOOT GAP LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	SPV.0060.11 MARKING YIELD LINE EPOXY 30-INCH EACH	SPV.0090.14 MARKING STOP LINE EPOXY 24-INCH LF	646.5320 MARKING RAILROAD CROSSING EPOXY EACH	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY EACH	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	50+39.35 - 60+08.12	1,831	---	---	---	394	---	---	---	1	---	---	14	94	2	664	60	3
	226+33.84 - 234+25.10	---	45	933	47	697	609	62	56	10	3	1	---	125	---	287	10	1
	SUBTOTALS	1,831	45	933	47	1,091	609	62	56	11	3	1	14	219	2	951	70	4
	TOTALS			3,946				726		11	3	1	14	219	2	951	70	4

PERMANENT PAVEMENT MARKING ITEMS

CATEGORY	STATION - STATION	SPV.0090.13 MARKING CROSSWALK EPOXY LADDER PATTERN 18-INCH LF
0060	50+39.35 - 60+08.12	222
	226+33.84 - 234+25.10	---
	TOTALS	222

MARKING REMOVAL LINE

CATEGORY	STAGE	646.9000 4-INCH LF	646.9055 GROOVED CONTRAST PERMANENT TAPE 4-INCH LF	646.9100 8-INCH LF	646.9155 GROOVED CONTRAST PERMANENT TAPE 8-INCH LF
0010	STAGE 1A	---	---	---	---
	STAGE 1B	---	75	67	255
	STAGE 1C, PHASE 1	---	---	---	---
	STAGE 1C, PHASES 2 & 3	---	---	65	---
	STAGE 1D, PHASE 1	---	---	---	---
	STAGE 1D, PHASE 2	---	---	---	---
	STAGE 1E	---	---	---	---
	STAGE 2A, PHASE 1	---	---	---	---
	STAGE 2A, PHASE 2	---	---	---	---
	STAGE 2B	105	---	---	---
	STAGE 2C	---	---	---	---
	STAGE 2D	25	---	---	---
	STAGE 2E, PHASE 1	---	---	---	---
	STAGE 2E, PHASE 2	---	88	---	---
	STAGE 2F	---	---	---	---
	STAGE 2G	---	---	---	---
	UNDISTRIBUTEED	20	24	20	38
	TOTALS	150	187	152	293

TEMPORARY MARKING LINE SUMMARY

CATEGORY	STAGE	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0205 TEMPORARY MARKING LINE PAINT 8-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0155 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH (WHITE) LF	649.0255 TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH (WHITE) LF	649.0805 TEMPORARY MARKING STOP LINE PAINT 18-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0950 TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW) LF	649.0950 TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (WHITE) LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	649.0970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	STAGE 1A	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 1B, PHASE 1	535	---	68	---	---	225	360	---	---	---	---	---	---	260
	STAGE 1B, PHASE 2	---	---	56	---	---	---	---	---	---	---	---	---	---	---
	STAGE 1C, PHASE 1	---	---	---	185	945	490	---	---	---	---	190	---	---	---
	STAGE 1C, PHASE 2	---	---	80	1,740	950	225	29	165	37	41	---	---	---	---
	STAGE 1C, PHASE 3	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 1D, PHASE 1	940	155	150	235	---	---	100	---	41	---	---	---	---	---
	STAGE 1D, PHASE 2	---	---	---	---	---	---	---	---	---	---	---	---	---	---
	STAGE 1E	---	---	---	125	---	---	---	---	---	---	---	---	---	---
	STAGE 2A, PHASE 1	---	---	---	440	---	265	400	---	---	---	---	---	150	260
	STAGE 2A, PHASE 2	---	---	---	---	---	---	250	---	---	---	---	---	---	---
	STAGE 2B	690	---	---	1,190	---	365	585	415	---	12	---	84	120	---
	STAGE 2C	---	60	---	145	105	185	450	---	---	30	---	---	---	---
	STAGE 2D	---	98	605	395	---	470	390	260	---	14	---	---	64	---
	STAGE 2E, PHASE 1	61	---	465	190	615	390	390	335	---	---	---	---	50	---
	STAGE 2E, PHASE 2	300	---	---	505	---	370	105	565	---	---	---	---	130	---
	STAGE 2F	---	---	---	30	1,260	440	435	---	---	---	---	---	88	---
	STAGE 2G	---	---	---	430	---	365	---	---	---	---	---	---	60	---
	SUBTOTALS	2,526	313	1,424	5,610	3,875	3,790	3,494	1,740	78	97	190	84	660	525
	TOTALS	2,839		1,424	9,485		3,790	3,494	1,740	78	97	274		660	525

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CONSTRUCTION STAKING SUMMARY

CATEGORY	STATION - STATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	50+39 - 60+08	969	969	969
	226+34 - 234+25	791	791	791
	TOTALS	1,760	1,760	1,760

CRACK AND DAMAGE SURVEY

CATEGORY	PROJECT	999.1501.S EACH
0010	524 EAST WILSON STREET	1
	603 RAILROAD STREET (FORMER CHICAGO AND NORTHWESTERN TRAIN STATION)	1
	603 RAILROAD STREET (FORMER CHICAGO AND NORTHWESTERN FREIGHT DEPOT)	1
	602 RAILROAD STREET (FORMER WISCONSIN WAGON COMPANY)	1
	TOTAL	4

UTILITY LINE OPENING (ULO)

CATEGORY	LOCATION	SPV.0060.04 EACH
0010	STORM SEWER CROSSING OF WATER ON RAILROAD ST.	1
	UNDISTRIBUTED	5
	TOTAL	6

PROPERTY CORNERS

CATEGORY	STATION - STATION	LOCATION	SPV.0060.09 LOCATE AND REFERENCE PROPERTY CORNERS EACH	SPV.0060.10 RESET PROPERTY CORNERS EACH
0010	55+83	LT	1	1
	55+95	LT	1	1
	227+29	RT	1	1
	UNDISTRIBUTED	LT/RT	2	2
	TOTALS		5	5

SAWING EXISTING PAVEMENT

CATEGORY	STAGE	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250* SAWING CONCRETE LF
0010	1B	50+39.35 - 60+08.12	RT	78	642
	1C	50+39.35 - 60+08.12	LT	40	791
	2A	227+83.51 - 232+34.83	RT	---	415
	2B	227+84.20 - 233+59.17	LT/RT	---	1,079
	2C	226+35.99 - 227+84.91	RT	---	128
	2D	226+33.84 - 228+01.39	LT/RT	---	168
	2E	226+50.04 - 234+12.18	LT	---	306
	2F	226+45.33 - 234+25.10	LT	39	345
	TOTALS			158	3,873

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CAMERA POLE ITEMS

CATEGORY	LOCATION	652.0325* CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH LF	653.0905* REMOVING PULL BOXES EACH	653.0135 PULL BOXES STEEL 24X36-INCH EACH	674.0300 REMOVE CABLE LF	674.0400 REINSTALL CABLE LF
0010	227+28 LT/RT	70	1	1	70	70

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SLURRY BACKFILL

CATEGORY	LOCATION	SPV.0060.07 EACH
0010	INLET 200-A AND MGE VAULT	1
	STORM SEWER AND WATER MAIN AT RAILROAD ST.	1
	INLET 220-A	1
	UNDISTIBUTED	6
	TOTAL	9

TEMPORARY TRAFFIC SIGNAL WOOD POLES AND SPAN WIRE BLAIR ST - E WASHINGTON AVE

CATEGORY	PROJECT	SPV.0060.13 EACH
0010	5400-00-73	1

ROOT PRUNING TREES

CATEGORY	STATION - STATION	LOCATION	SPV.0060.01 EACH
0010	50+94	LT	1
	51+53	RT	1
	52+04	RT	1
	52+23	LT	1
	52+72	LT	1
	53+24	LT	1
	53+59	RT	1
	53+82	LT	1
	54+12	LT	1
	54+16	RT	1
	54+49	LT	1
	54+68	RT	1
	55+08	RT	1
	56+51	LT	1
	56+89	RT	1
	57+81	LT	1
	58+05	LT	1
	58+64	RT	1
	58+79	LT	1
	229+31	RT	1
	231+32	LT	1
	231+79	LT	1
	232+23	LT	1
	232+86	LT	1
	233+41	LT	1
	TOTAL		25

PAVEMENT CLEANUP

CATEGORY	STATION - STATION	LOCATION	SPV.0170.01 STA
0010	50+39 - 60+08	LT/RT	10
	226+34 - 234+25	LT	8
	226+34 - 234+25	RT	8
	TOTAL		26

EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

CATEGORY	STATION	LOCATION	SPV.0195.01 TON
0060	51+00 - 52+25	LT/RT	100
	59+00 - 60+00	LT/RT	100
	TOTAL		200

SALVAGE AND REPLACE LANDSCAPING MODULAR BLOCK RETAINING WALL

CATEGORY	LOCATION	SPV.0060.15 EACH
0010	56+60 - 56+80 LT	1

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	EXISTING STATION	PROPOSED STATION	LOCATION	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2102 MOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.02 PRECAST SIGN POST BASE EACH	SPV.0060.03 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0090.01 SIGN POST LF	SPV.0090.02 REFLECTIVE SIGN POST LF	SPV.0060.55* POLES 20-FT 7 GAUGE EACH	SPV.0060.65* CONCRETE BASE TYPE LB-8 EACH	REMARKS
0010	P1-1	---	50+69	LT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	6.00	---	---	---	---	---	---	---	---	INSTALL ON EXISTING POLES 20-FT 7 GUAGE POLE
	P1-2	---	50+69	LT	D9-2	HOSPITAL	24 x 24	4.00	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN P1-1
	P1-3	---	50+69	LT	MB6-2	ARROW- TILT RIGHT OR LEFT	21 x 21	3.06	---	---	---	---	---	---	---	---	INSTALL BELOW SIGN P1-2
	E1-1	51+25	51+32	RT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	---	1	---	---	1	---	12	---	---	
	E1-2	51+25	50+50	RT	R2-1	SPEED LIMIT 25 MPH	24 x 30	---	1	---	---	1	---	10	---	---	
	E1-3	51+86	51+76	RT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E1-4	52+54	52+51	RT	---	GROUND MOUNTED STREET NAME SIGN	--- x ---	---	1	---	---	1	---	10	---	---	
	E1-5	52+54	52+51	RT	---	GROUND MOUNTED STREET NAME SIGN	--- x ---	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E1-4
	E1-6	52+54	52+51	RT	---	FRANK LLOYD WRIGHT TRAIL	24 x 24	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGNS E1-4 AND E1-5
	E1-7	53+20	53+20	RT	R1-1	STOP	30 x 30	---	1	1	---	1	10	---	---	---	
	E1-8	50+69	52+35	LT	---	ALLIANT ENERGY CENTER DIRECTIONAL SIGN	--- x ---	---	1	---	---	---	---	---	1	1	INSTALL ON PROPOSED POLES 20-FT 7 GUAGE POLE
	E1-9	50+69	52+35	LT	---	MONONA TERRACE DIRECTIONAL SIGN	--- x ---	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E1-8
	E1-10	51+00	50+45	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E1-11	52+11	51+48	LT	W10-1	RAILROAD CROSSING	36 x 36	---	1	1	---	1	---	11	---	---	
	E1-12	52+11	51+48	LT	W10-1A	EXEMPT	24 x 12	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E1-11
	E1-13	53+34	---	LT	J3-1	DIRECTIONAL ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 57	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E1-14	53+34	---	LT	---	FRANK LLOYD WRIGHT TRAIL ASSEMBLY	24 x 45	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	P2-1	---	54+85	RT	---	OVERHEAD DIRECTIONAL SIGN	120 x 60	50.00	---	---	---	---	---	---	---	---	INSTALL ON STRUCTURE S-13-567
	E2-1	53+89	53+95	RT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	---	---	1	---	10	---	---	
	E2-2	55+40	55+32	RT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E2-3	56+53	56+53	RT	R1-1	STOP	30 x 30	---	1	1	1	---	10	---	---	---	
	E2-4	56+72	56+72	RT	J3-1	DIRECTIONAL ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 57	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED OVERHEAD SIGN SUPPORT POLE
	E2-5	56+72	56+72	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-4
	E2-6	56+72	56+72	RT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-5
	E2-7	56+72	56+72	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED OVERHEAD SIGN SUPPORT POLE
	E2-8	56+72	56+72	RT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-7
	E2-9	57+44	57+57	RT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E2-10	57+44	57+30	RT	R14-1	TRUCK ROUTE	24 x 18	---	1	---	1	---	---	10	---	---	
	E2-11	57+44	57+30	RT	M6-1	ARROW- RIGHT LEFT OR AHEAD	21 x 21	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-10
	E2-12	58+03	58+00	RT	J3-1	DIRECTIONAL ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 57	---	1	---	---	---	---	---	1	1	INSTALL ON PROPOSED POLES 20-FT 7 GUAGE POLE
	E2-13	58+03	58+00	RT	---	FRANK LLOYD WRIGHT TRAIL ASSEMBLY	24 x 45	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-12
	E2-14	54+05	54+06	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E2-15	55+48	55+48	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	1	1	---	1	---	10	---	---	
	E2-16	56+03	---	LT	---	POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E2-17	56+03	---	LT	---	POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E2-18	56+03	---	LT	R1-1	STOP	30 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E2-19	56+24	---	LT	R1-1	STOP	30 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E2-20	56+24	---	LT	R1-1	STOP	30 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E2-21	56+65	56+72	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED OVERHEAD SIGN SUPPORT POLE
	E2-22	56+65	56+72	LT	W16-7R	RIGHT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-21
	E2-23	56+72	56+72	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED OVERHEAD SIGN SUPPORT
	E2-24	56+65	56+72	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED OVERHEAD SIGN SUPPORT
	E2-25	56+65	56+72	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED OVERHEAD SIGN SUPPORT POLE
	E2-26	56+65	56+72	LT	W16-7L	LEFT DIAGONAL DOWNWARD POINTING ARROW (YELLOW)	24 x 12	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E2-25
	E2-27	57+07	57+17	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E2-28	58+68	58+68	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	1	---	10	---	---	
	P3-1	---	59+74	RT	---	OVERHEAD DIRECTIONAL SIGN	120 x 60	50.00	---	---	---	---	---	---	---	---	INSTALL ON STRUCTURE S-13-568
	E3-1	59+25	59+50	LT	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	---	1	---	---	---	---	---	1	1	INSTALL ON PROPOSED POLES 20-FT 7 GUAGE POLE
	E3-2	59+25	59+50	LT	R2-1	SPEED LIMIT 25 MPH	24 x 30	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E3-1
	E3-3	59+25	59+50	LT	---	FRANK LLOYD WRIGHT TRAIL	24 x 24	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E3-2
	E3-4	59+75	59+75	MEDIAN	R4-7	KEEP RIGHT	24 x 30	---	1	---	---	1	---	10	---	---	
	E3-5	59+87	59+87	MEDIAN	---	LEFT TURN ONLY	--- x ---	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	E3-6	59+62	59+62	MEDIAN	W12-1D	DOUBLE DOWN ARROWS	24 x 24	---	1	---	---	1	---	5	---	---	
	E3-7	59+07	59+07	RT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	---	1	---	10	---	---	
	E3-8	59+07	59+07	RT	---	DO NOT BLOCK DRIVEWAY	--- x ---	---	1	---	---	---	---	---	---	---	INSTALL BELOW SIGN E3-7
	E3-9	59+87	59+66	RT	R10-11B	NO TURN ON RED	24 x 24	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED SIGNAL POLE
	E3-10	559+58	---	RT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-11	231+10	---	MEDIAN	---	AIRPORT DIRECTIONAL SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-12	231+10	---	MEDIAN	---	IH 94; IH 90 DIRECTIONAL SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-13	231+00	---	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
						SHEET TOTALS		113.06	44	11	2	11	20	108	3	3	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CON'T NEXT PAGE

CON'T FROM PREVIOUS

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	EXISTING STATION	PROPOSED STATION	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2102 MOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.02 PRECAST SIGN POST BASE EACH	SPV.0060.03 SIGN POST BASE FOR CONCRETE INSTALLATION EACH	SPV.0090.01 SIGN POST LF	SPV.0090.02 REFLECTIVE SIGN POST LF	SPV.0060.55* POLES 20-FT 7 GAUGE EACH	SPV.0060.65* CONCRETE BASE TYPE LB-8 EACH	REMARKS
0010 (CON'T)	E3-14	231+10	---	MEDIAN	---	ALLIANT ENERGY CENTER DIRECTIONAL SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-15	231+10	---	MEDIAN	---	MONONA TERRACE DIRECTIONAL SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-16	231+10	---	MEDIAN	R3-50L	LANE CONTROL SYMBOL- LEFT ONLY	30 x 36	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-17	231+10	---	MEDIAN	R3-50L	LANE CONTROL SYMBOL- LEFT ONLY	30 x 36	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-18	231+07	---	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-19	229+80	229+80	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	---	---	---	---	---	---	---	INSTALL ON PROPOSED LIGHT POLE
	E3-20	228+83	---	MEDIAN	---	FRANK LLOYD WRIGHT TRAIL ASSEMBLY	24 x 45	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-21	228+58	---	MEDIAN	R10-10L	LEFT TURN SIGNAL	24 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-22	228+23	---	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-23	228+42	---	LT	---	METRO BUS STOP	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-24	228+09	---	LT	R5-1	DO NOT ENTER	30 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-25	227+45	---	MEDIAN	---	SIGNAL POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-26	227+41	---	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-27	227+62	---	LT	R5-1	DO NOT ENTER	30 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-28	227+07	227+07	LT	R7-51R	NO PARKING HERE TO CORNER - RIGHT ARROW	18 x 24	---	1	1	1	---	10	---	---	---	
	E3-29	227+44	---	MEDIAN	R3-18	NO LEFT/UTURN SYMBOL	24 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-30	227+44	---	MEDIAN	---	SIGNAL POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-31	227+44	---	MEDIAN	---	SIGNAL POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-32	227+44	---	MEDIAN	R10-10L	LEFT TURN SIGNAL	24 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-33	227+44	---	MEDIAN	R3-4	NO UTURN SYMBOL	24 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-34	227+35	---	MEDIAN	J3-1	DIRECTIONAL ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 57	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-35	228+83	---	MEDIAN	R10-11B	NO TURN ON RED	24 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E3-36	228+83	---	MEDIAN	R6-2R	ONE WAY RIGHT ARROW	24 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-1	232+66	---	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-2	233+61	---	MEDIAN	J4-1	REASSURANCE ASSEMBLY (1 HEADED ROUTE PANEL)	24 x 36	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-3	233+63	---	MEDIAN	R14-1	TRUCK ROUTE	24 x 18	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-4	233+64	---	MEDIAN	M5-1L	ADVANCE ARROW LEFT TURN	21 x 21	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-5	233+65	---	MEDIAN	D9-2	HOSPITAL	24 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-6	233+66	---	MEDIAN	M5-1L	ADVANCE ARROW LEFT TURN	21 x 21	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-7	234+02	---	MEDIAN	---	POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-8	234+03	---	MEDIAN	---	POLE MOUNTED STREET NAME SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-9	234+04	---	MEDIAN	R3-4	NO UTURN SYMBOL	24 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-10	234+05	---	MEDIAN	---	9PM - 6AM	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-11	234+06	---	MEDIAN	R4-7	KEEP RIGHT	24 x 30	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-12	234+02	---	MEDIAN	M3-3	SOUTH CARDINAL ROUTE MARKER	24 x 12	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-13	234+02	---	MEDIAN	R14-1	TRUCK ROUTE	24 x 18	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-14	234+02	---	MEDIAN	M5-1L	ADVANCE ARROW LEFT TURN	21 x 21	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-15	234+02	---	MEDIAN	D9-2	HOSPITAL	24 x 24	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-16	234+02	---	MEDIAN	M5-1L	ADVANCE ARROW LEFT TURN	21 x 21	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-17	233+20	233+20	LT	R7-1	NO PARKING ANY TIME	18 x 24	---	1	1	1	---	---	10	---	---	
	E4-18	232+50	---	LT	---	DOWNTOWN DIRECTIONAL SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-19	232+50	---	LT	---	UW CAMPUS DIRECTIONAL SIGN	--- x ---	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
	E4-20	233+59	---	MEDIAN	R3-50L	LANE CONTROL SYMBOL- LEFT ONLY	30 x 36	---	---	---	---	---	---	---	---	---	EXISTING SIGN TO REMAIN
						SHEET TOTALS		0.00	3	2	2	0	10	10	0	0	
						TOTALS		113.06	47	13	4	11	30	118	3	3	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

REMOVALS - STREET LIGHTING

CATEGORY	STATION	OFFSET	*204.0195 REMOVING CONCRETE BASES EACH	*653.0905 REMOVING PULL BOXES EACH	*204.0210 REMOVING MANHOLES EACH	SPV.0060.08 STREET LIGHT REMOVAL EACH
0010	49+95	23.66 R	1			1
	50+13	27.79 L		1		
	51+25	25.71 R	1			1
	52+54	25.92 R	1			1
	53+41	26.79 R			1	
	53+89	25.86 R	1			1
	55+40	25.83 R	1			1
	56+08	19.73 R			1	
	56+71	25.97 R	1			1
	58+03	26.69 R	1			1
	59+25	34.27 L	1			1
	59+70	34.76 L		1		
		TOTALS	8	2	2	8

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PULLBOX SUMMARY - STREET LIGHTING

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.58 ELECTRICAL PULLBOX, TYPE I EACH	*SPV.0060.60 ELECTRICAL PULLBOX, TYPE V EACH
0030	HH1	50+98	27.12 L	1	
	HH3	52+88	26.47 R	1	
	HH4	53+42	26.07 R	1	
	HH7	55+89	26.10 L	1	
	HH8	55+85	25.98 R	1	
	HH11	56+77	25.87 L	1	
	HH13	56+76	25.88 R	1	
	HH14	59+72	34.86 L	1	
	HH15	59+79	21.37 R	1	
	HH16	59+83	70.51 R	1	
	UNDISTRIBUTED			1	1
			TOTALS	11	1

LIGHTING CONDUIT AND WIRE - STREET LIGHTING

	CATEGORY	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC (LIGHTING) SCHEDULE 40 2-INCH LF	652.0325* CONDUIT RIGID NONMETALLIC (LIGHTING) SCHEDULE 80 2-INCH LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	COMMENT
	0030	5400-00-72 HH7	P951	57		63	189	
		P951	HH1	54		60	180	
		HH1	P953	41		47	141	
		P953	P955	75		81	243	
		P955	HH2	55		61	183	
		HH2	P956	51		57	171	
		P956	HH5	35		41	123	
		HH5	P958	62		68	204	
		P958	P960	90		96	288	
		P960	HH7	96		102	306	
		HH8	P952	102		108	324	
		P952	P954	85		91	273	
		P954	SL495	88		94	282	
		SL495	HH3	6		12	36	
		HH3	HH4		76	82	246	
		HH4	P957	10		16	48	
		P957	P959	90		96	288	
		P959	P961	90		96	288	
		P961	HH8	53		59	177	
		HH8	HH9	40		46	138	
		HH9	HH12		52	58	174	
		HH12	HH13	45		51	153	
	**	HH13	SL498			6	18	SB2
		HH13	HH11		55	61	183	
		HH10	HH11	40		46	138	
		HH6	HH10		50	56	168	
		HH6	HH7	40		46	138	
		HH7	HH8		55	61	183	
		HH11	P962	40		46	138	
		P962	P964	75		81	243	
		P964	SL499-1	140		146	438	
		SL499-1	HH14	42		48	144	
		HH13	P963	80		86	258	
		P963	P965	100		106	318	
		P965	HH16	140		146	438	
		HH14	HH15		55	61	183	
		HH15	HH16		50	56	168	
	**	HH17	SL36			6	18	SB4
		SL39	MATCH EXISTING	10		16	48	
			TOTALS	1932	393	2559	7677	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
** CONDUIT INCLUDED IN TRAFFIC SIGNAL TABLE

2

CONCRETE BASES - STREET LIGHTING

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.63 CONCRETE BASE TYPE LB-1 EACH	SPV.0060.64 CONCRETE BASE TYPE LB-3 EACH	*SPV.0060.65 CONCRETE BASE TYPE LB-8 EACH	SPV.0060.66 CONCRETE BASE TYPE LB-SP EACH	*SPV.0060.68 CONCRETE BASE OFFSET EACH	SPV.0060.84 POLES DECORATIVE LIGHT POLE EACH	SPV.0060.51 POLES 30-FT 11 GAUGE EACH	SPV.0060.54 POLES 30-FT 7 GAUGE EACH	SPV.0060.57 ARM 8-FT, SIMPLEX EACH	SPV.0060.85 HOLOPHANE WASHINGTON DECORATIVE FIXTURE EACH	659.1115 LUMINAIRES UTILITY LED A EACH	SPV.0090.51 ELECTRICAL WIRE LIGHTING 14-3 UF GROUNDED LF	COMMENTS
0030	P951	50+45	28.48 L	1					1				1		18	
	P952	50+90	25.38 R	1					1				1		18	
	P953	51+37	26.65 L	1					1				1		18	
	P954	51+76	26.01 R	1					1				1		18	
	P955	52+11	26.32 L	1					1				1		18	
	SL495	52+63	26.71 R		1					1		1		1	36	
	P956	53+13	26.22 L	1					1				1		18	
	P957	53+52	25.55 R	1					1				1		18	
	P958	54+06	26.14 L	1					1				1		18	
	P959	54+42	25.49 R	1					1				1		18	
	P960	54+96	25.79 L	1					1				1		18	
	P961	55+32	25.94 R	1					1				1		18	
**	SL498	56+72	26.02 R			1					1	1		1	36	TS2
	P962	57+17	26.37 L	1					1				1		18	
	P963	57+57	26.19 R	1					1				1		18	
	P964	57+91	27.01 L	1					1				1		18	
	P965	58+53	33.02 R	1					1				1		18	
	SL499-1	59+28	34.21 L		1					1		1		1	36	
**	SL36	60+01	26.23 R			1									36	TS4 - COORD POLE INSTALL W/ CITY TE
	SL39	TO BE	MARKED				1								36	COORD POLE INSTALL W/ CITY TE
	UNDISTRIBUTED							1								
	TOTALS			15	2	2	1	1	15	2	1	3	15	3	450	

*ADDITIONAL QUANTITIES LISTED ELSWHERE
** TBONE ARM IN SIGNAL TABLE

TEMPORARY STRUCTURES

CATEGORY	LOCATION	STRUCTURE	STATION	OFFSET	SPV.0060.88 TEMPORARY LIGHTING EACH	SPV.0060.13 TEMPORARY TRAFFIC SIGNAL POLES AND SPAN WIRE EACH
0010	BLAIR STREET				1	
	TEMPORARY WOOD POLES	WP1	51+56	25.93 R		
		WP2	53+35	26.89 R		
		WP3	55+17	25.98 R		
		WP4	56+64	26.29 R		
		WP5	58+23	28.82 R		
		WP6	59+23	33.95 L		
		WP7	59+21	45.50 R		
	BLAIR STREET - E WASHINGTON AVE					1
	TEMPORARY WOOD POLES	WP8	59+75	35.06 L		
		WP9	59+85	72.81 R		
		WP10	59+97	90.93 R		

2

REMOVALS - TRAFFIC SIGNALS

CATEGORY	STATION	OFFSET	*204.0195 REMOVING CONCRETE BASES EACH	*653.0905 REMOVING PULL BOXES EACH	*204.0210 REMOVING MANHOLES EACH	COMMENTS
0010	56+66	27.62 L	1			CITY REMOVES POLE
	59+16	44.81 R		1		
	59+57	19.50 R		1		
	59+76	18.70 R		1		
	59+87	19.35 R	1			CITY REMOVES POLE
	59+87	75.75 R	1			CITY REMOVES POLE
	60+01	26.28 R	1			CITY REMOVES POLE
	UNDISTRIBUTED				1	
		TOTALS	4	3	1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PULLBOX SUMMARY - TRAFFIC SIGNALS

CATEGORY	STRUCTURE	STATION	OFFSET	*SPV.0060.58 ELECTRICAL PULLBOX TYPE I EACH	SPV.0060.59 ELECTRICAL PULLBOX TYPE III EACH	*SPV.0060.60 ELECTRICAL PULLBOX TYPE V EACH	SPV.0060.61 ELECTRICAL PULLBOX TYPE VII EACH	COMMENTS
0040	HH2	52+65	26.37 L	1				
	HH5	53+45	25.84 L	1				
	HH6	56+06	36.08 L			1		
	HH9	56+01	47.30 R				1	
	HH10	56+54	43.31 L			1		
	HH12	56+50	44.26 R				1	
	HH17	60+02	29.30 R	1				
	HH18	59+59	19.79 R	1				
	HH19	59+11	43.76 R		1			
	HH20	57+51	26.39 R		1			
			TOTALS	4	2	2	2	

*ADDITIONAL QUANTITIES LISTED ELSWHERE

CONDUIT - TRAFFIC SIGNALS

CATEGORY	FROM	TO	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	652.0215 CONDUIT RIGID NONMETALLIC SCHEDULE 40 1 1/4-INCH LF	652.0335 CONDUIT RIGID NONMETALLIC SCHUDULE 80 3-INCH LF	COMMENT
0040	5400-00-72 HH8	HH3	281			
	HH3	HH4			76	
	HH4	HH8	243			
	HH8	HH9	40			
	HH8	HH9	40			
	HH9	HH12			52	
	HH9	HH12			52	
	HH12	HH13	45			
**	HH13	SB2	5			SL498
	HH13	HH11			55	
	HH13	HH11			55	
	HH10	HH11	40			
	HH10	HH11	40			
	HH1	SB1	5			
	HH6	HH10			50	
	HH6	HH10			50	
	HH6	HH10			50	
	HH6	HH7	40			
	HH7	HH8			55	
	HH7	HH8			55	
	HH13	HH16	345			
	HH14	HH15			55	
	HH15	SB3	10			
	HH15	HH17	25			
**	HH17	SB4	5			SL36
	HH15	HH16			50	
	HH14	HH18	25			
	HH16	HH19		95		
	HH16	SB5	22			
	HH16	MATCH TO EXISTING	5			
		TOTALS	1216	95	605	

TRAFFIC DETECTOR LOOPS

CATEGORY	LOOP NO.	STATION	OFFSET	SIZE	NO. TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF
0040	L1	59+82	8.89 R	6 x 6	3	34	92
	L2	59+46	9.68 R	6 x 6	3	36	96
	L3	59+26	8.32 R	6 x 6	3	56	136
	L4	59+15	28.21 R	6 x 20	3	68	198
	L5	59+70	41.37 R	6 x 20	3	74	210
	L6	57+45	11.34 R	6 x 20	3	68	198
					TOTALS	336	930

OFFSET IS TO CENTER OF LOOP

CONCRETE BASES - TRAFFIC SIGNALS

CATEGORY	STRUCTURE	STATION	OFFSET	SPV.0060.62 CONCRETE BASE TYPE G EACH	*SPV.0060.65 CONCRETE BASE TYPE LB-8 EACH	*SPV.0060.68 OFFSET EACH	SPV.0060.70 TRANSFORMER BASE 16-INCH STEEL EACH	COMMENTS
0040	SB1	56+72	26.54 L		1			
**	SB2	56+72	26.02 R				1	SL498
	SB3	59+87	21.77 R	1				
**	SB4	60+01	26.23 R				1	SL36
	SB5	59+66	58.34 R	1				
			UNDISTRIBUTED			1		
			TOTALS	2	1	1	2	

*ADDITIONAL QUANTITIES LISTED ELSWHERE
** BASE AND POLE IN STREET LIGHTING TABLE

CABLE & WIRE - TRAFFIC SIGNALS

CATEGORY	FROM	TO BASE	TO HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0615 ELECTRIC WIRE LIGHTING 10 AWG LF	SPV.0090.52 LOOP DETECTOR LEAD-IN CABLE SPECIAL LF
	BLAIR ST / E WASHIGNTON AVE							
0040	EXISTING CABINET	**SB4**				200		
	EXISTING CABINET	**SB3**		270				
			2	15				
	EXISTING CABINET	**SB5**			225			
			1	15				
			PED 1	15				
	SYSTEM GROUND						750	
	SYSTEM NEUTRAL						750	
	DETECTOR LOOP LEAD-IN							800
		TOTALS		315	225	200	1500	800

TRAFFIC SIGNAL POLES

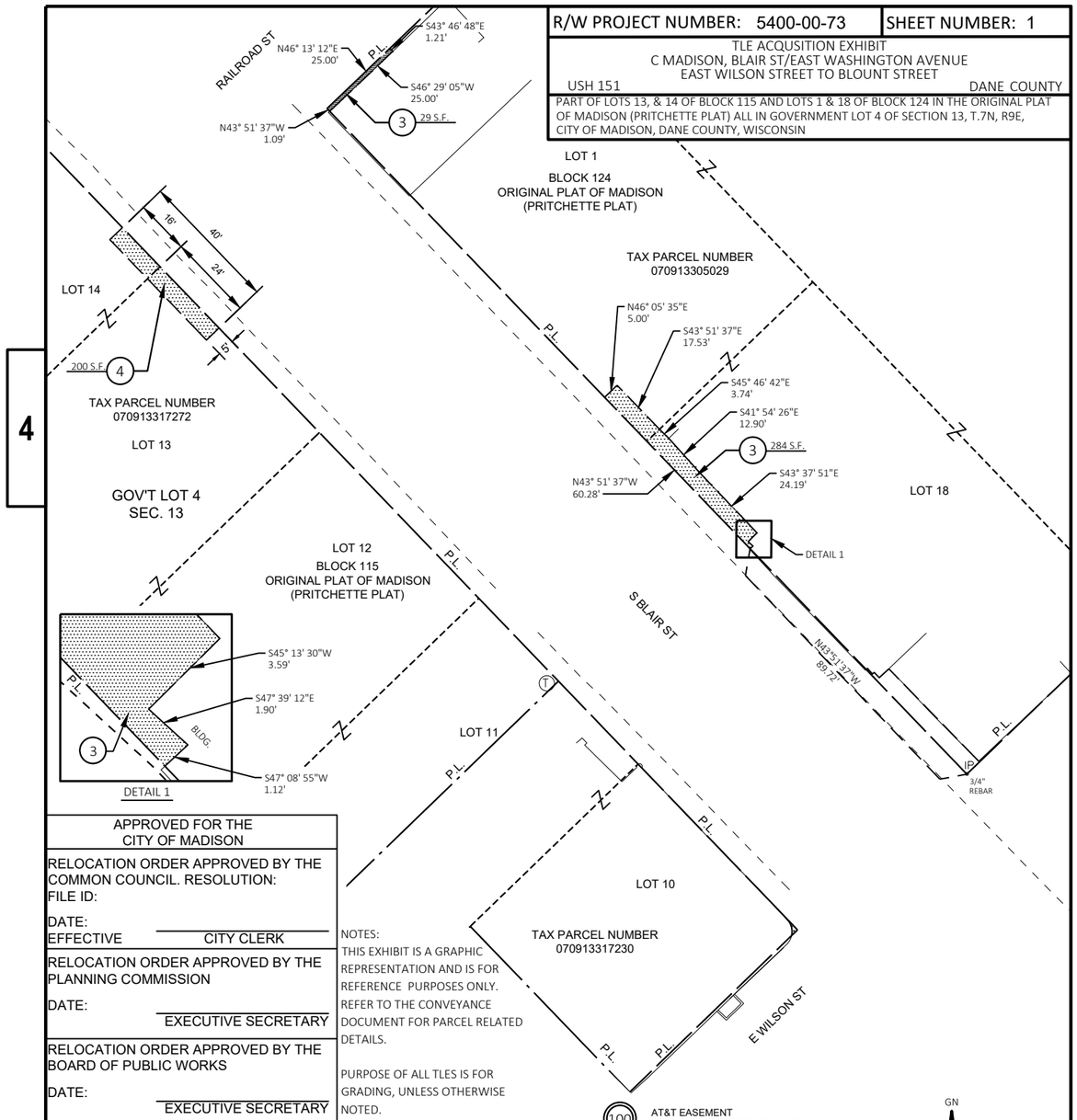
CATEGORY	STRUCTURE	657.0100 PEDESTAL BASES EACH	657.0420 POLES TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	SPV.0060.55 POLES 20-FT 7 GAUGE EACH	SPV.0060.77 TRAFFIC SIGNAL TROMBONE ARMS ALUMINUM 18-FOOT EACH	COMMENTS
0040	SB1			1	1	
	SB2				1	POLE IN SL TABLE
	SB3	1	1			
	SB4					COORD W/CITY TE
	SB5	1	1			
	TOTALS	2	2	1	2	

R/W PROJECT NUMBER: 5400-00-73	SHEET NUMBER: 1

TLE ACQUISITION EXHIBIT
C MADISON, BLAIR ST/EAST WASHINGTON AVENUE
EAST WILSON STREET TO BLOUNT STREET

USH 151 — DANE COUNTY

PART OF LOTS 13, & 14 OF BLOCK 115 AND LOTS 1 & 18 OF BLOCK 124 IN THE ORIGINAL PLAT OF MADISON (PRITCHETTE PLAT) ALL IN GOVERNMENT LOT 4 OF SECTION 13, T.7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN



APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: FILE ID:
DATE: EFFECTIVE _____ CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: _____ EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: _____ EXECUTIVE SECRETARY

NOTES:
THIS EXHIBIT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. REFER TO THE CONVEYANCE DOCUMENT FOR PARCEL RELATED DETAILS.

PURPOSE OF ALL TLES IS FOR GRADING, UNLESS OTHERWISE NOTED.

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
3	MADISON GAS & ELECTRIC	TLE	313
4	JDJ IMPORT COMPANY LLC	TLE	200

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
100	AT&T	TEMPORARY RELEASE OF RIGHTS
101	WILTEL COMMUNICATIONS, INC.	TEMPORARY RELEASE OF RIGHTS

100 AT&T EASEMENT ON PARCEL BORDERING RAILROAD 16.5' CENTERED ON FACILITIES DOC.4358404 PARCEL 3

101 WILTEL COMMUNICATIONS INC. EASEMENT ON PARCEL CENTERED ON FACILITIES AS EXISTED ON 6/5/12 DOC.4965434 PARCEL 3

GN
SCALE, FEET
0 20 40

THIS EXHIBIT IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION - MADISON

SIGNATURE: _____ DATE: _____

PRINT NAME:

FILE NAME : 040101-RP.DWG PLOT DATE : 8/13/2020 2:26 PM R/W PROJECT: 5400-00-73

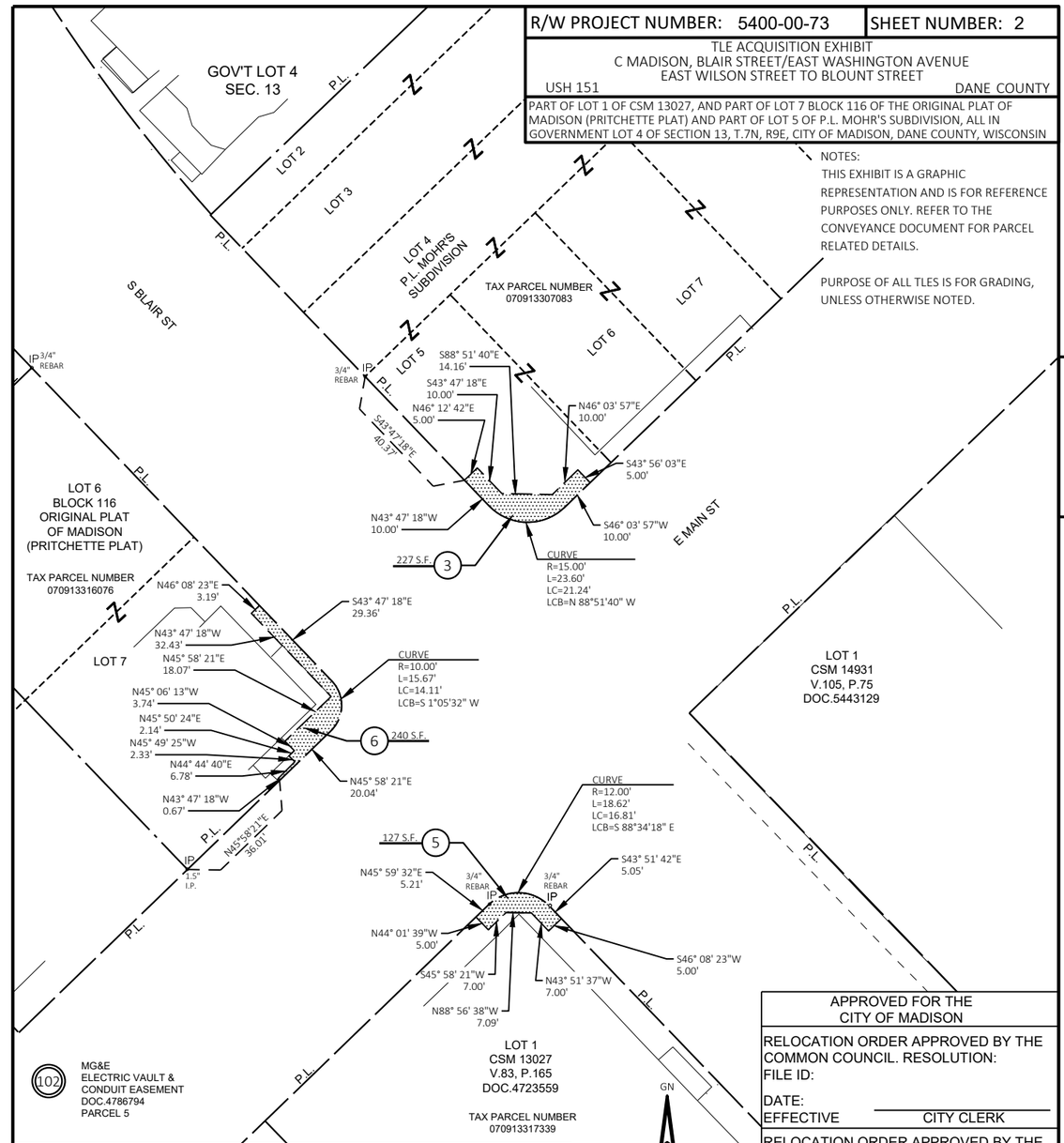
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R/W PROJECT NUMBER: 5400-00-73	SHEET NUMBER: 2

TLE ACQUISITION EXHIBIT
C MADISON, BLAIR STREET/EAST WASHINGTON AVENUE
EAST WILSON STREET TO BLOUNT STREET

USH 151 — DANE COUNTY

PART OF LOT 1 OF CSM 13027, AND PART OF LOT 7 BLOCK 116 OF THE ORIGINAL PLAT OF MADISON (PRITCHETTE PLAT) AND PART OF LOT 5 OF P.L. MOHR'S SUBDIVISION, ALL IN GOVERNMENT LOT 4 OF SECTION 13, T.7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN



NOTES:
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APPROVED FOR THE CITY OF MADISON
RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION: FILE ID:
DATE: EFFECTIVE _____ CITY CLERK
RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: _____ EXECUTIVE SECRETARY
RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: _____ EXECUTIVE SECRETARY

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
3	MADISON GAS & ELECTRIC	TLE	227
5	SETTLEMENT PLACE LLC	TLE	127
6	522-524 E MAIN STREET LLC.	TLE	240

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
102	MG&E	TEMPORARY RELEASE OF RIGHTS

THIS EXHIBIT IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION - MADISON

SIGNATURE: _____ DATE: _____

PRINT NAME:

FILE NAME : 040101-RP.DWG PLOT DATE : 8/13/2020 2:26 PM R/W PROJECT: 5400-00-73

4

R/W PROJECT NUMBER: 5400-00-73	SHEET NUMBER: 3

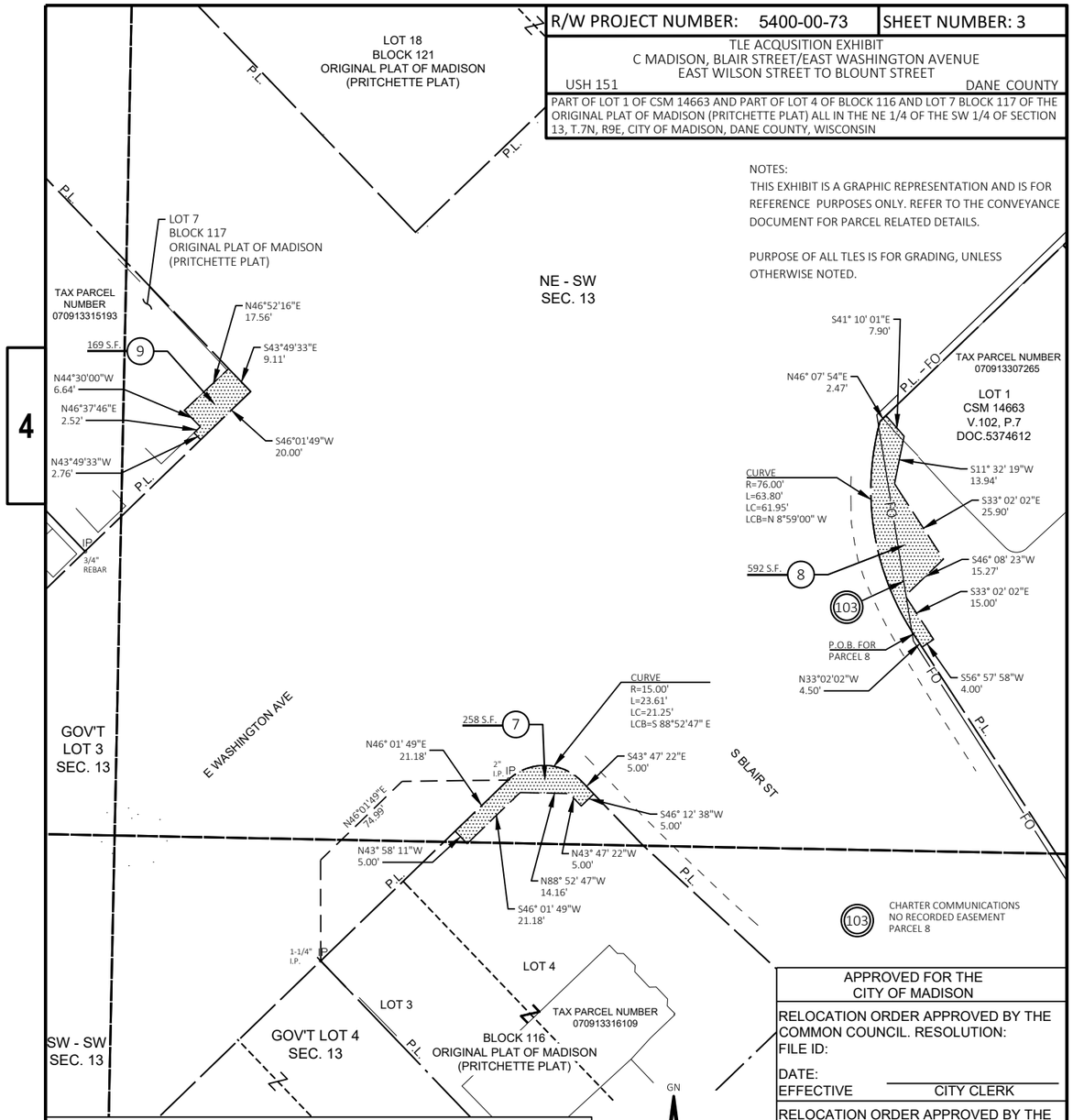
TLE ACQUISITION EXHIBIT
C MADISON, BLAIR STREET/EAST WASHINGTON AVENUE
EAST WILSON STREET TO BLOUNT STREET

USH 151 — DANE COUNTY

PART OF LOT 1 OF CSM 14663 AND PART OF LOT 4 OF BLOCK 116 AND LOT 7 BLOCK 117 OF THE ORIGINAL PLAT OF MADISON (PRITCHETTE PLAT) ALL IN THE NE 1/4 OF THE SW 1/4 OF SECTION 13, T.7N, R9E, CITY OF MADISON, DANE COUNTY, WISCONSIN

NOTES:
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PURPOSE OF ALL TLES IS FOR GRADING, UNLESS OTHERWISE NOTED.



SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	TLE S.F.
7	ORB AND SCEPTER HOLDINGS LLC	TLE	258
8	MADISON PUBLIC MARKET LLC	TLE	592
9	HERSHLEDER PROPERTIES LLC	TLE	169

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTEREST REQUIRED
103	CHARTER COMMUNICATIONS	TEMPORARY RELEASE OF RIGHTS

APPROVED FOR THE CITY OF MADISON

RELOCATION ORDER APPROVED BY THE COMMON COUNCIL. RESOLUTION:
FILE ID:
DATE:
EFFECTIVE _____ CITY CLERK

RELOCATION ORDER APPROVED BY THE PLANNING COMMISSION
DATE: _____ EXECUTIVE SECRETARY

RELOCATION ORDER APPROVED BY THE BOARD OF PUBLIC WORKS
DATE: _____ EXECUTIVE SECRETARY

THIS EXHIBIT IS APPROVED FOR THE DEPARTMENT OF TRANSPORTATION SOUTHWEST REGION - MADISON

SIGNATURE: _____ DATE: _____

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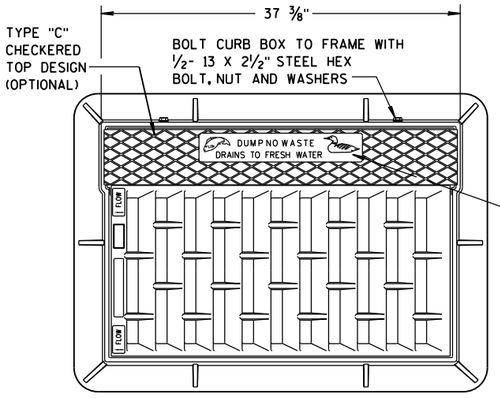
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09F09-05	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
11B02-02	CONCRETE MEDIAN NOSE
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C18-07F	CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER
13C19-03	HMA LONGITUDINAL JOINTS
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-09A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05	MEDIAN ISLAND MARKING
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D22-04	TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

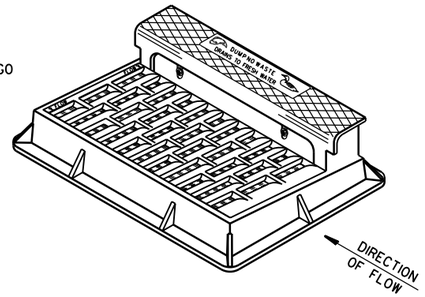
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Standard Detail Drawing List

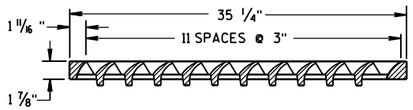
15D23-06A	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D23-06B	TRAFFIC CONTROL, INTERSECTION WITHIN TWO LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-02C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D41-01	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
15D46-01	TRAFFIC CONTROL, ONE - WAY SIGNING

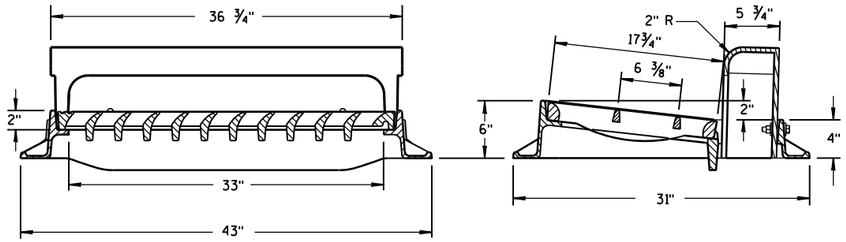


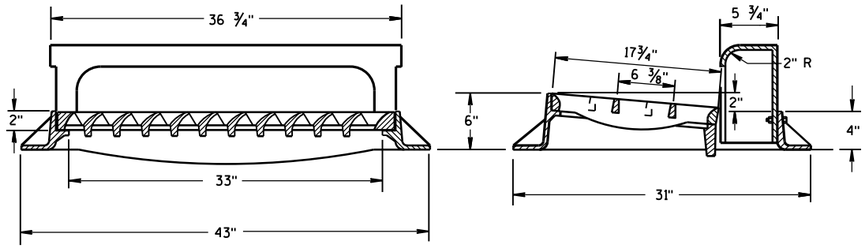
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

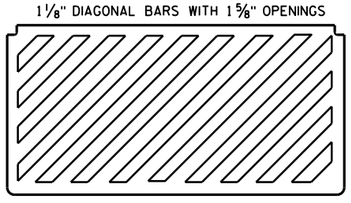






TYPE "H"

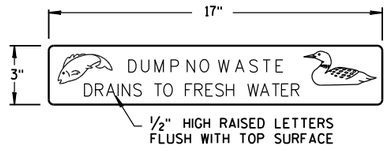
NOTE: EITHER CASTING IS ACCEPTABLE



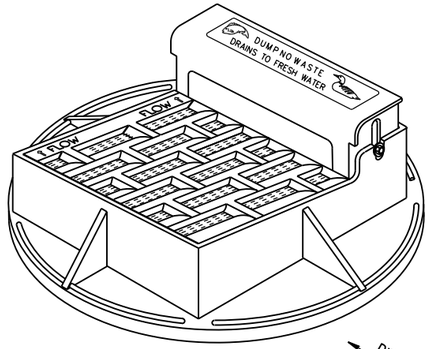
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

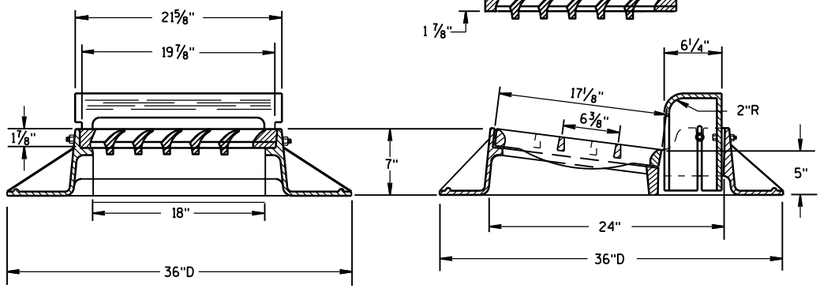


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



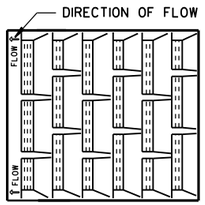
TYPE "A"

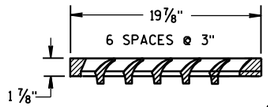
GENERAL NOTES

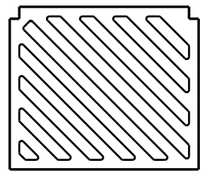
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



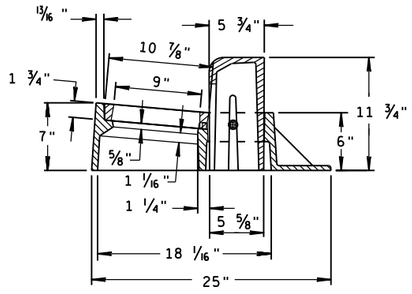


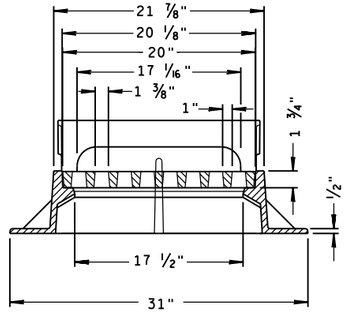


SPECIAL GRATE FOR TYPE "A" COVER

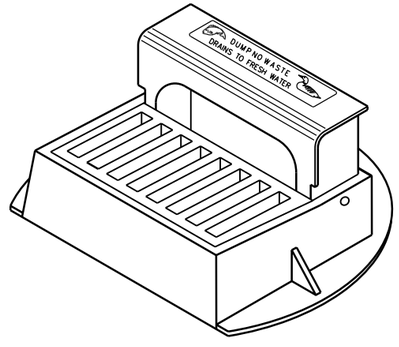
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"



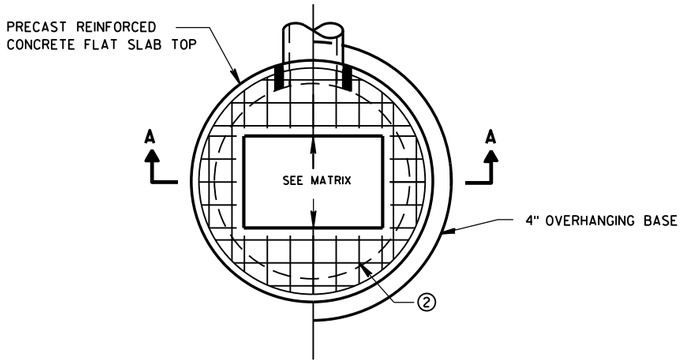
INLET COVERS
TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

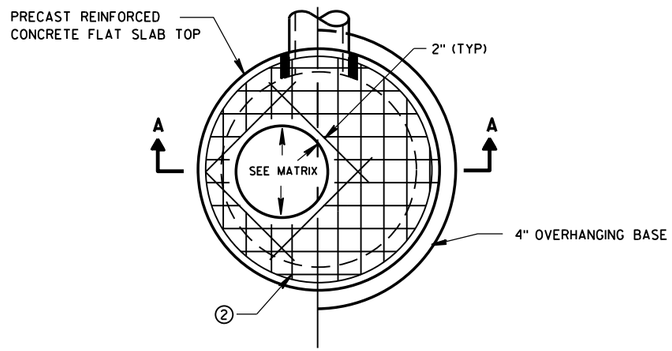
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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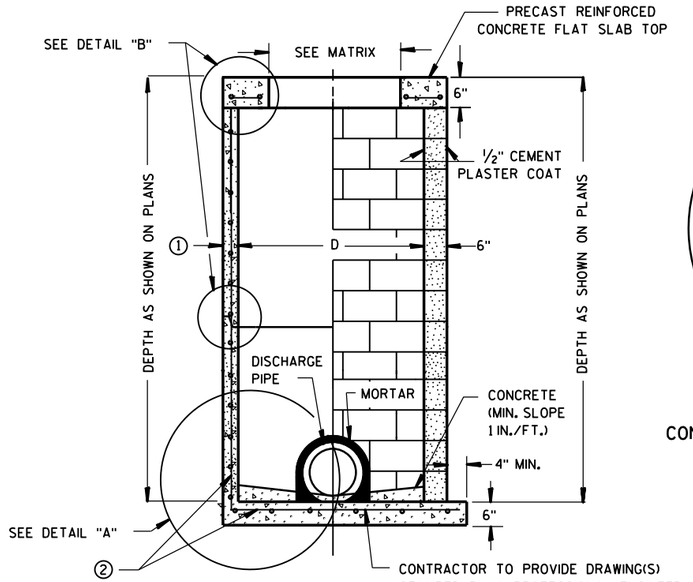
S.D.D. 8 A 5-19a



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

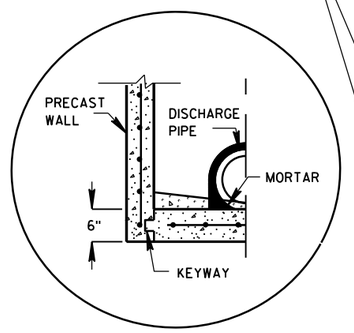


SECTION A-A

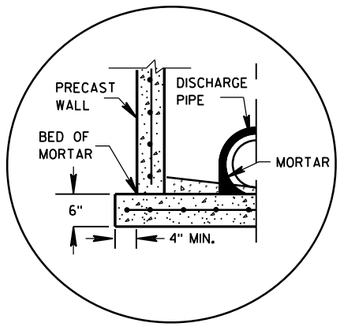
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

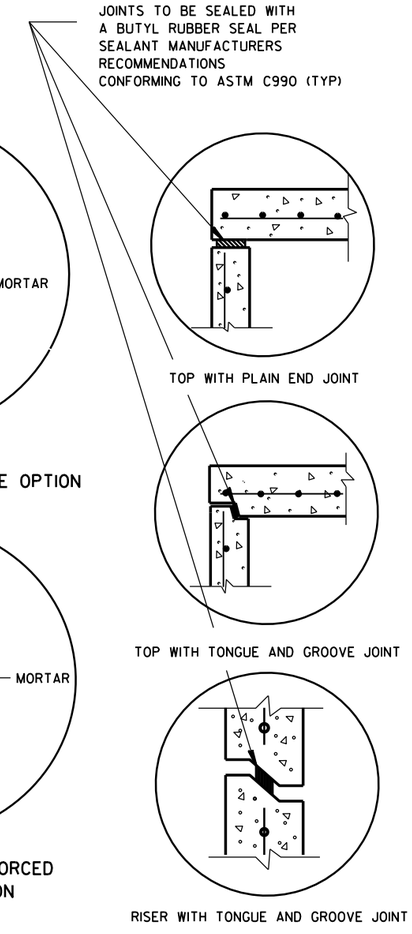


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

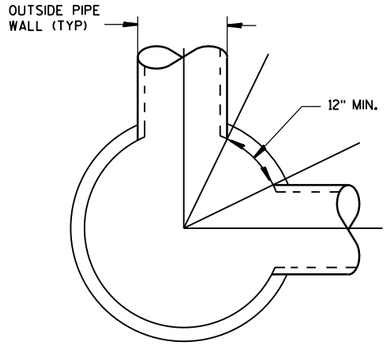
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

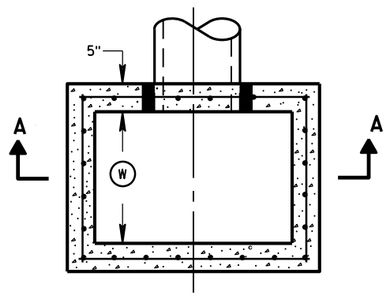
APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
FHWA

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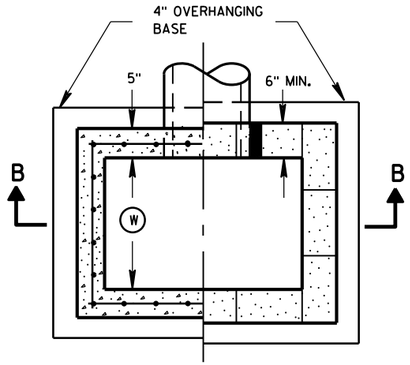
S.D.D. 8 C 6-2

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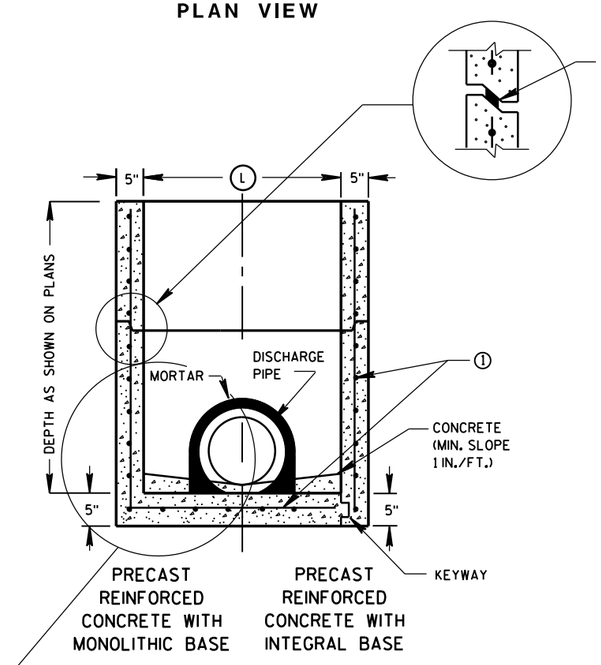
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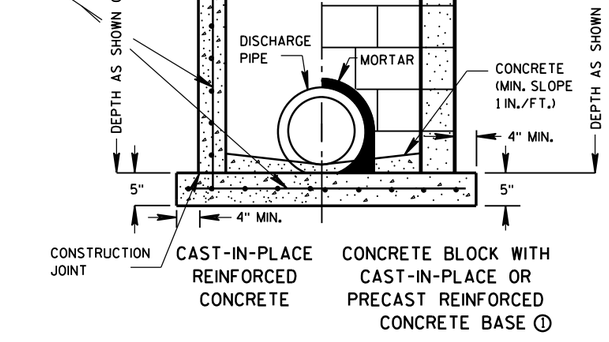
PLAN VIEW



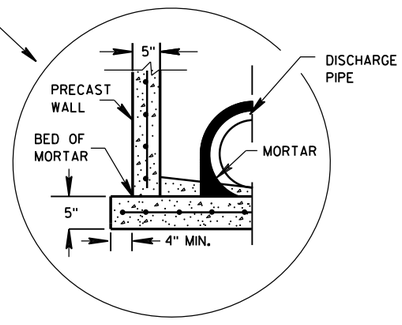
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

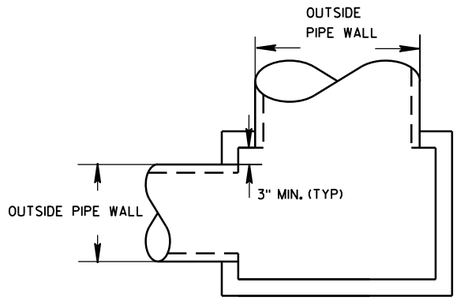
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

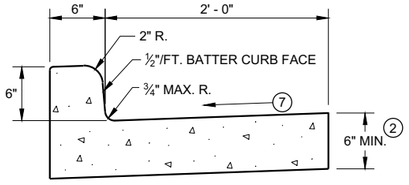
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

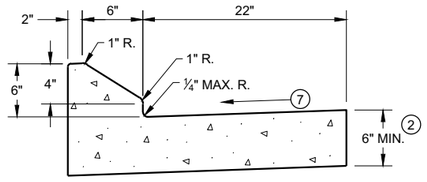
S.D.D. 8 C 7-2

6

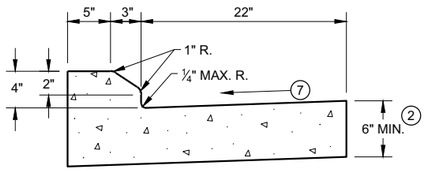
S.D.D. 8 C 7-2



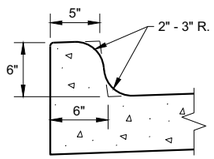
TYPES A (1) & D



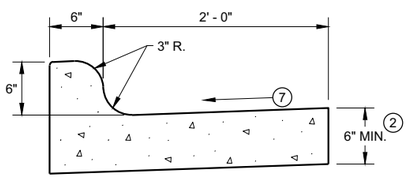
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

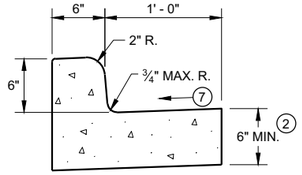


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



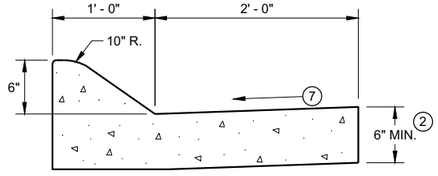
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

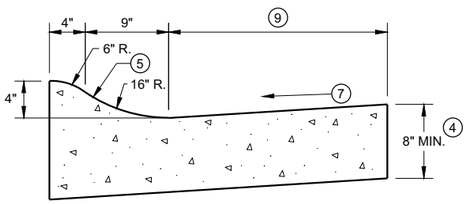
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

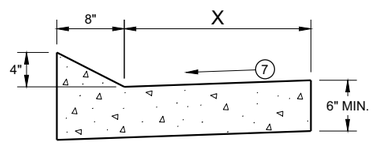
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

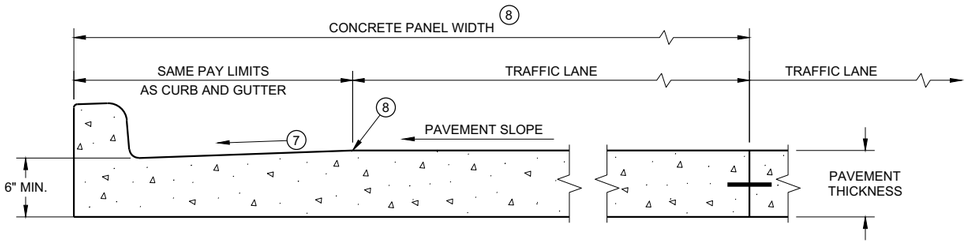


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

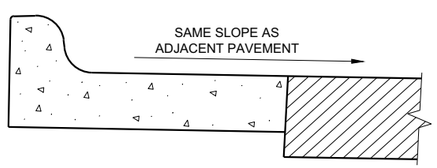
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES 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.

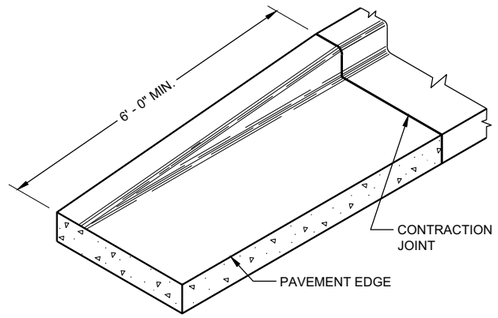
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

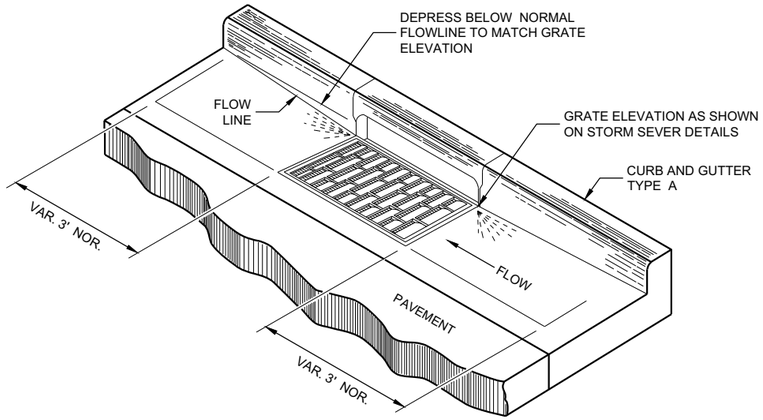
STATE OF WISCONSIN
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END SECTIONCURB AND GUTTER



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.

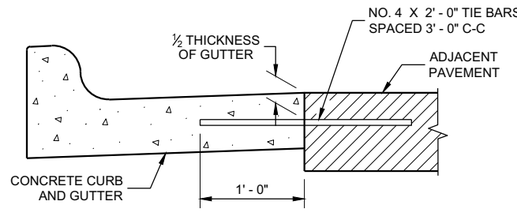
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

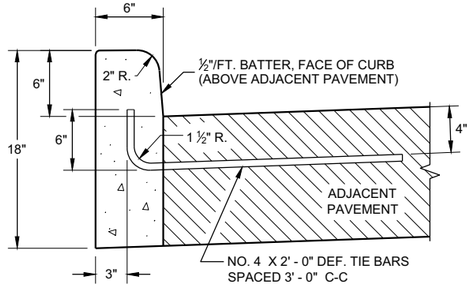
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

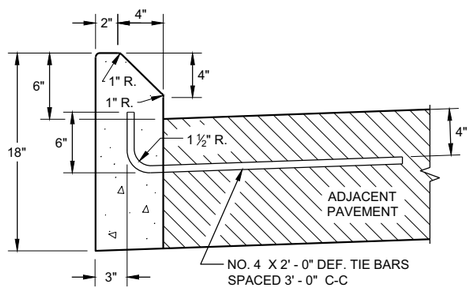
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

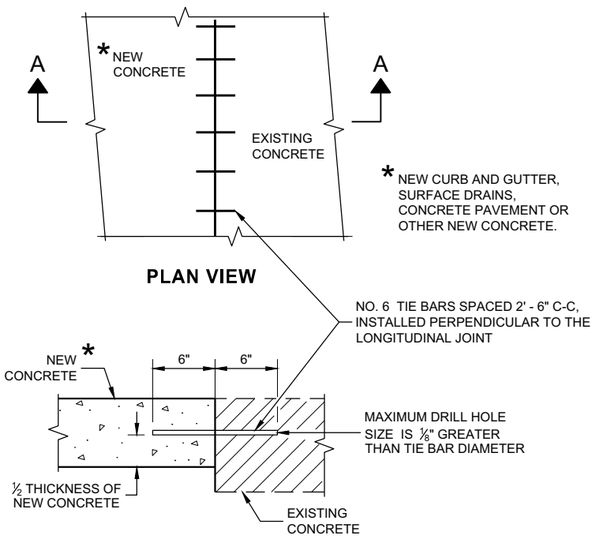


TYPES A (1) & D



TYPES G (1) & J

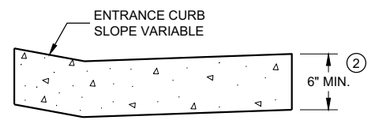
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)
(WHEN DIRECTED BY THE ENGINEER)

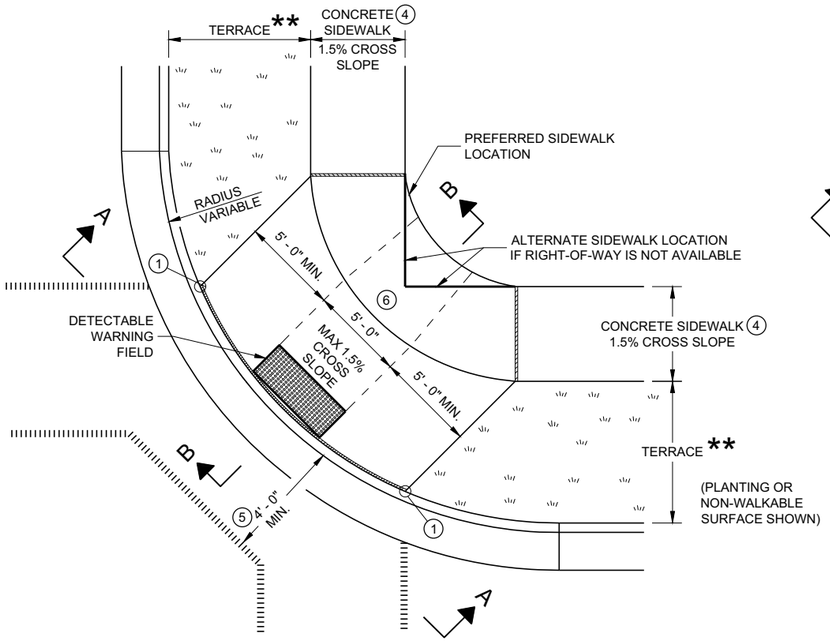
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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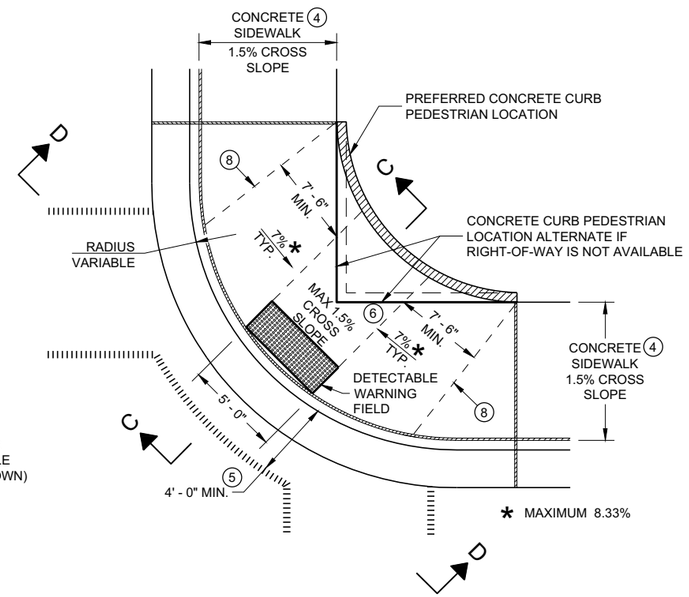
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

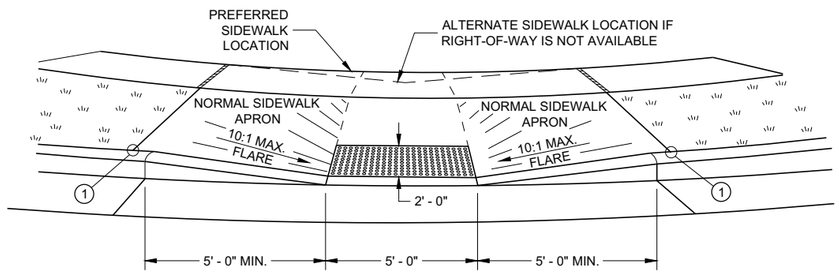
(CENTER OF CORNER RADIUS)



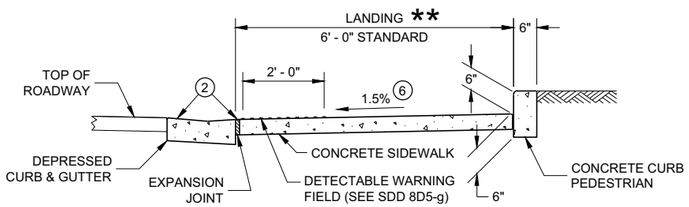
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

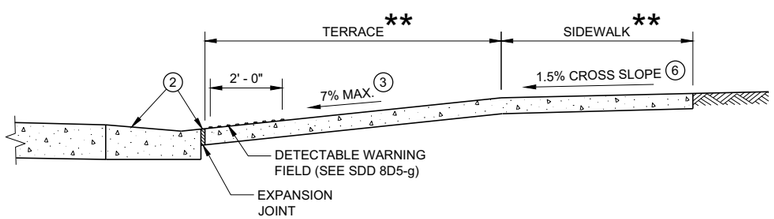


VIEW A - A FOR TYPE 1

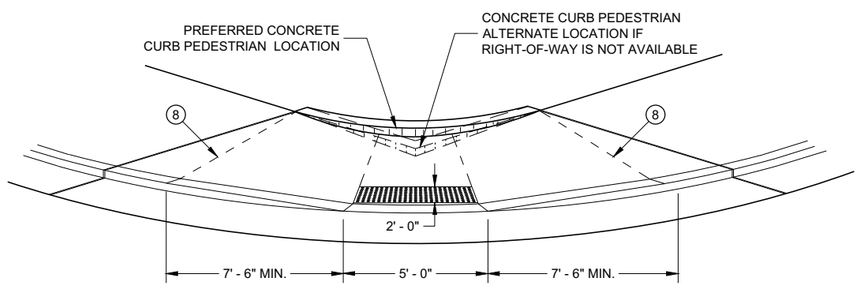


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

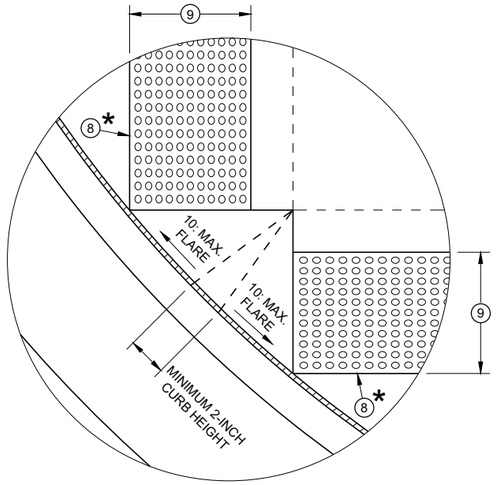
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

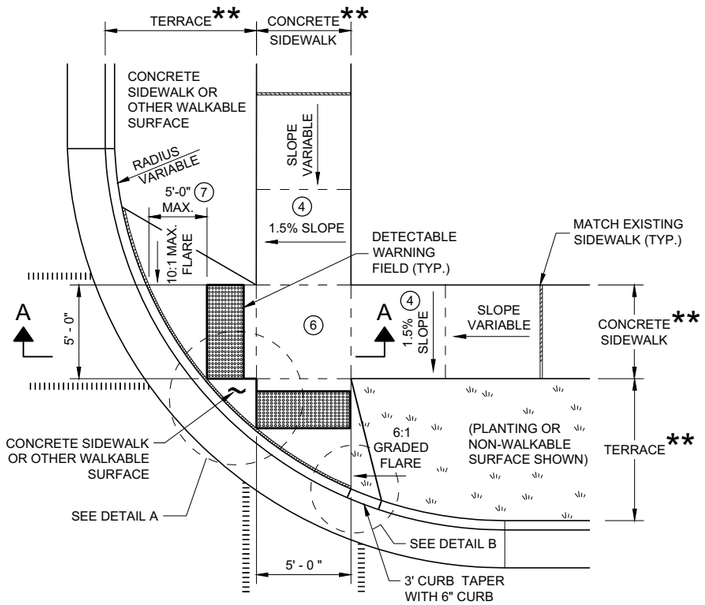
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

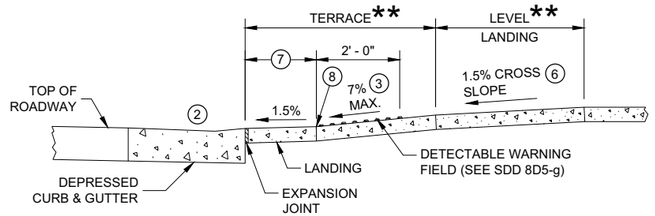
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

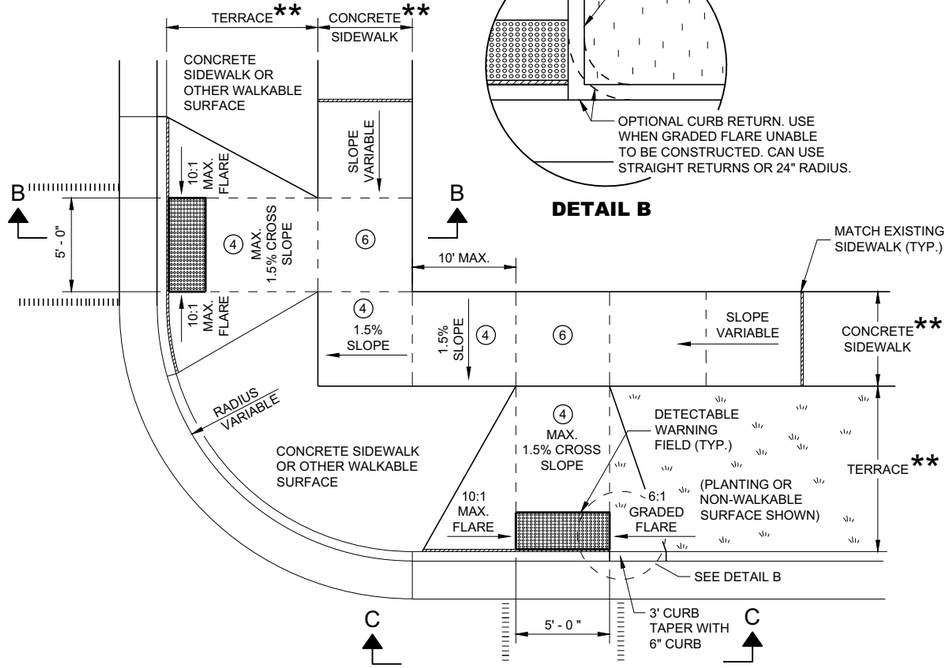
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

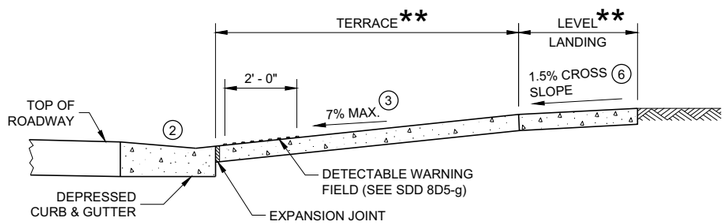
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

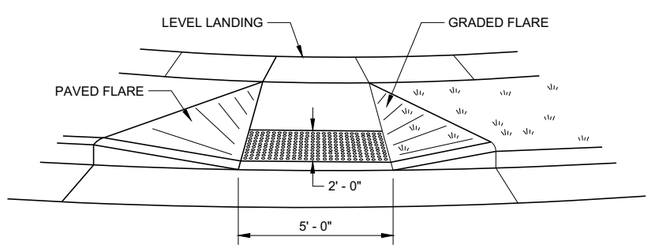
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



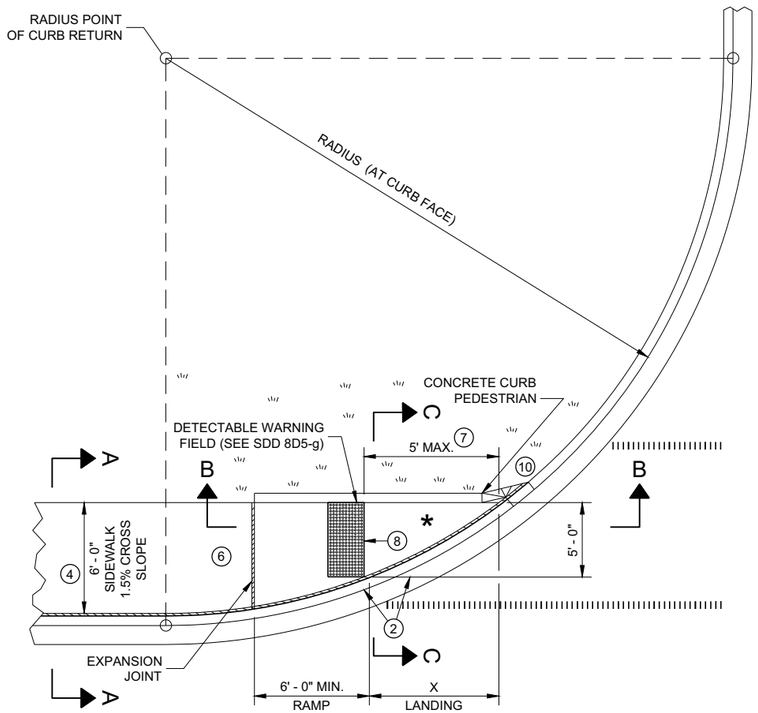
VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

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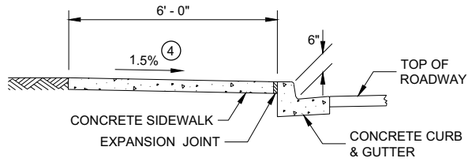


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

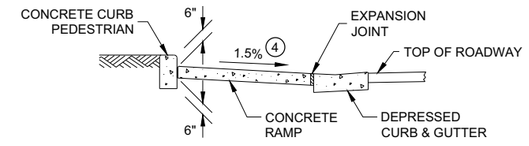
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

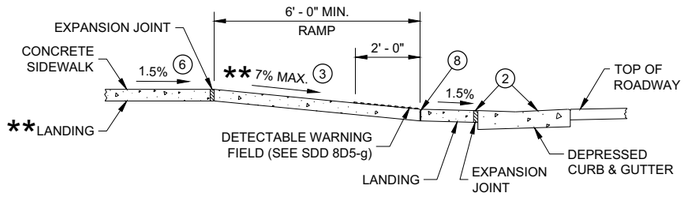
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



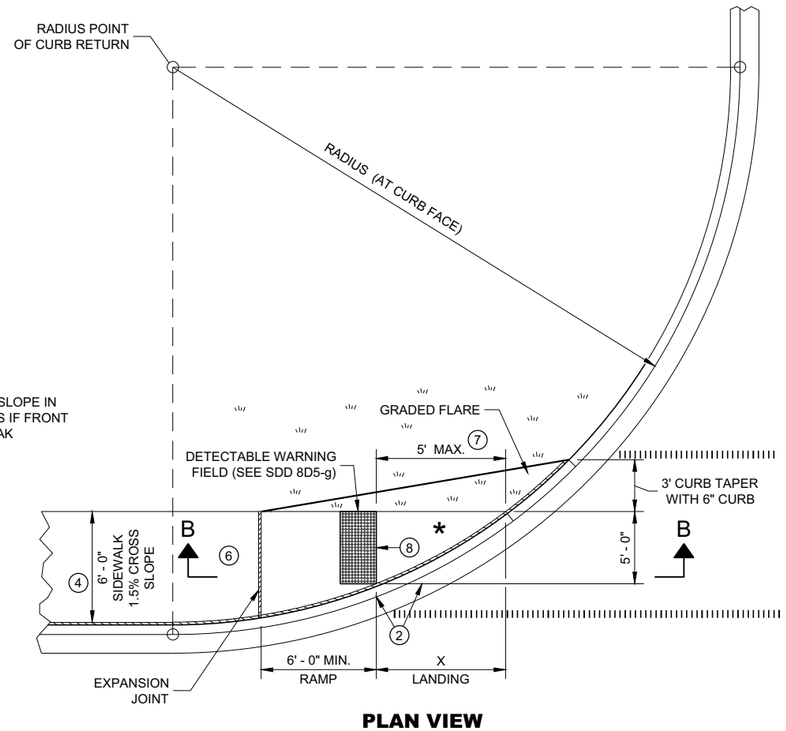
SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

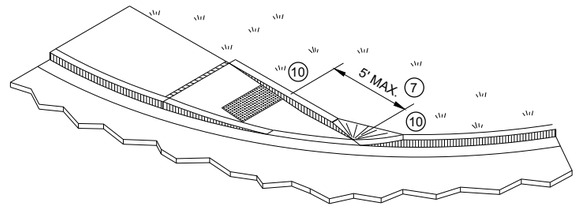
SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

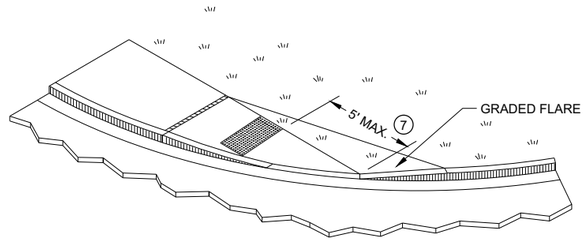


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



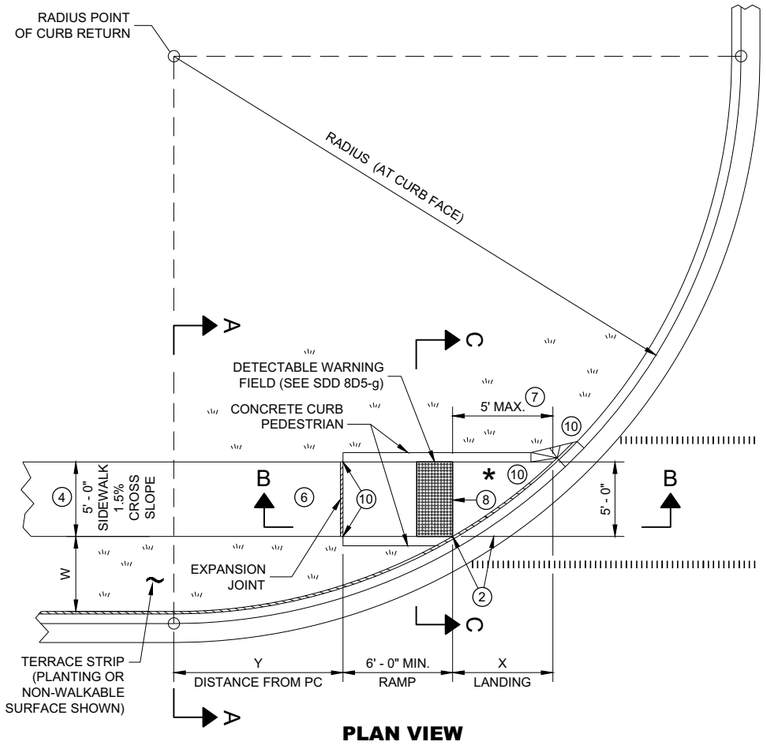
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
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PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

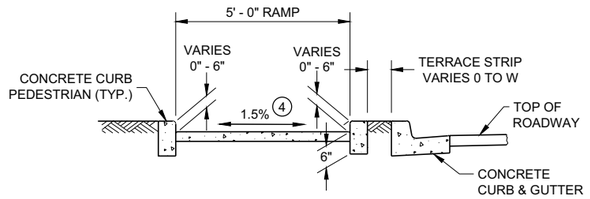
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

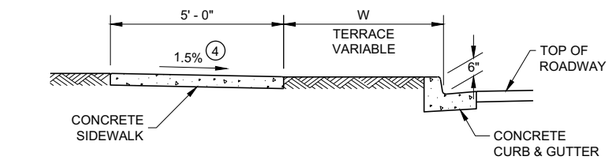
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

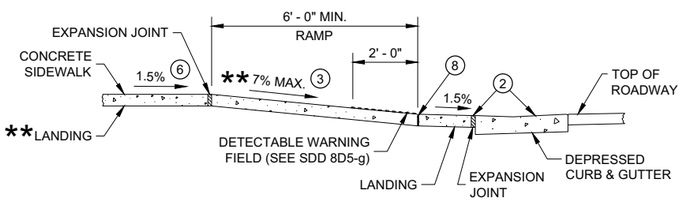
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



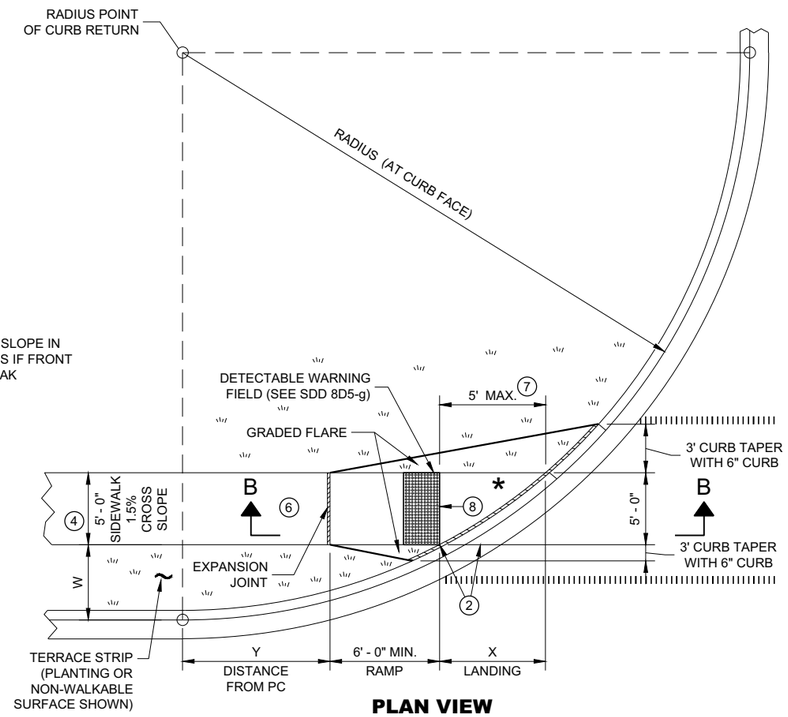
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

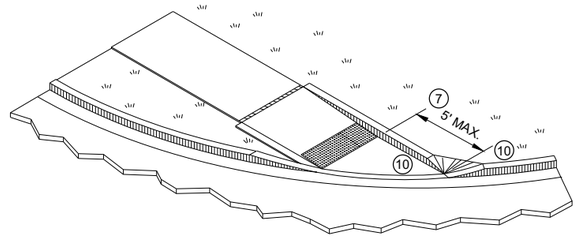
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

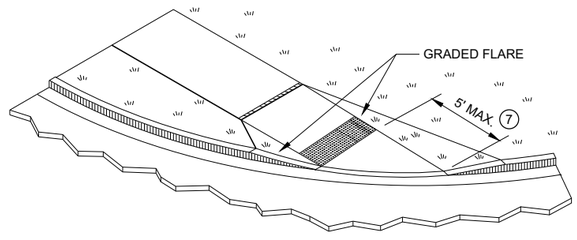


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



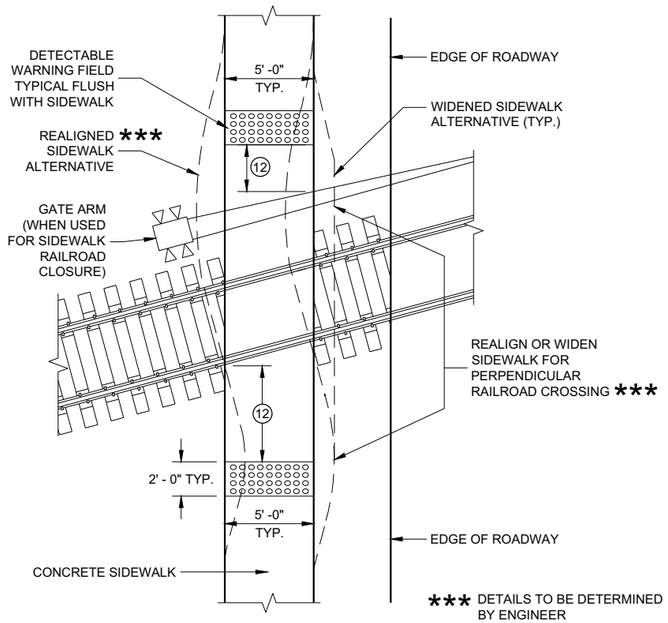
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

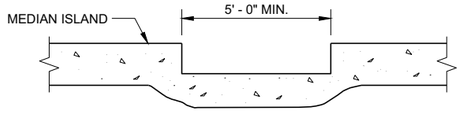
6

SDD 08D05 - 20d

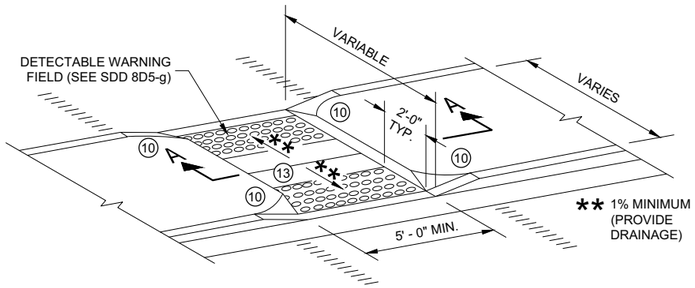


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

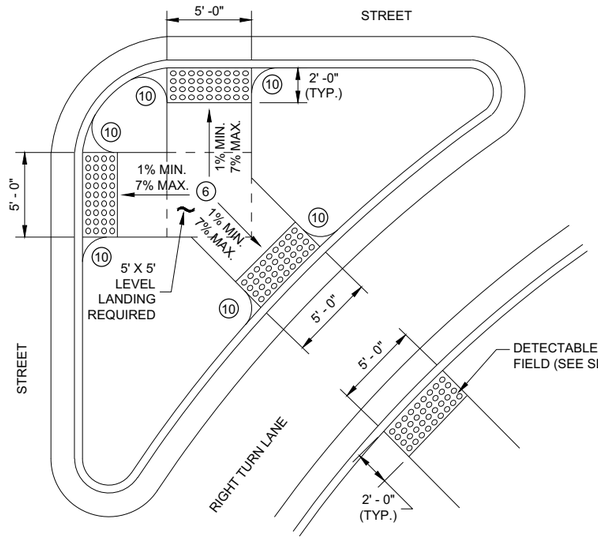
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

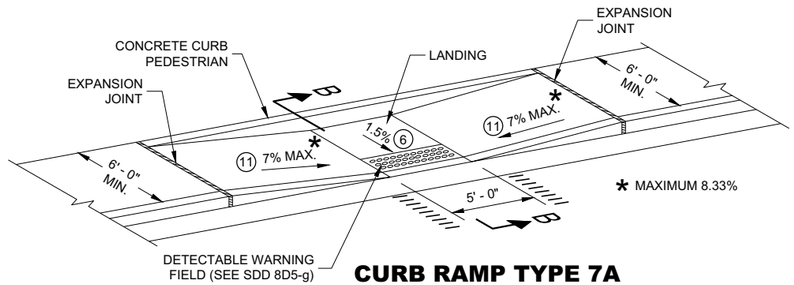
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

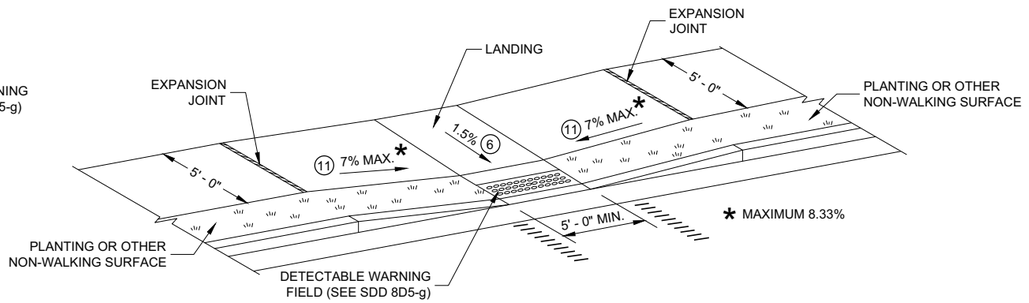
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

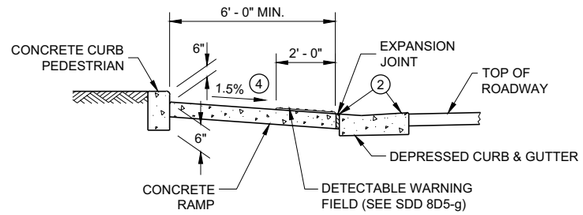
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

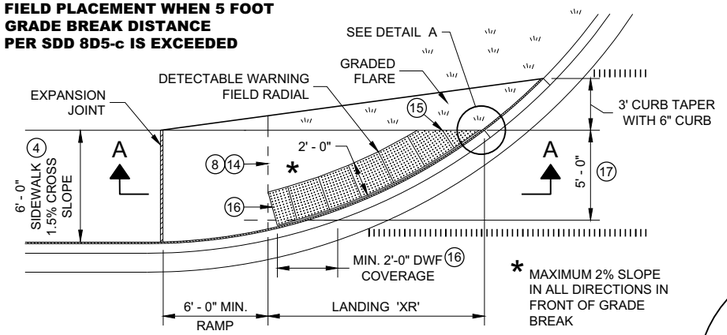
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D05 - 20e

SDD 08D05 - 20e

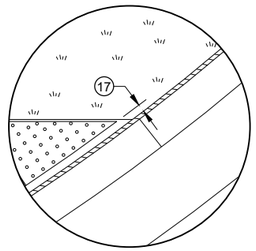
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



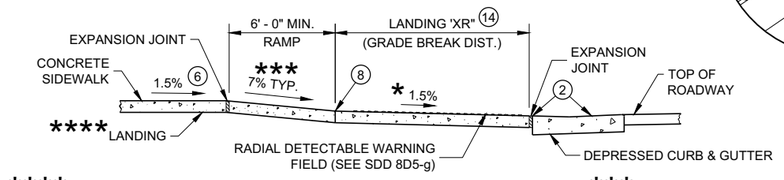
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

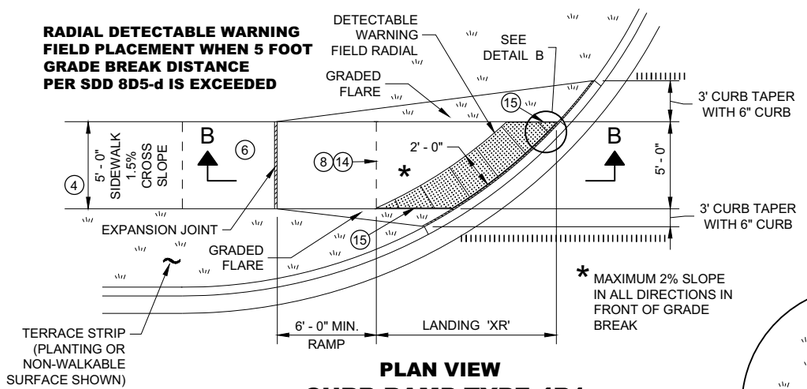


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

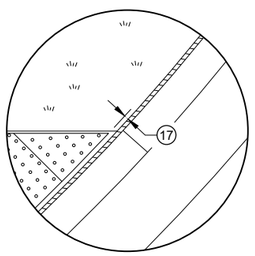
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



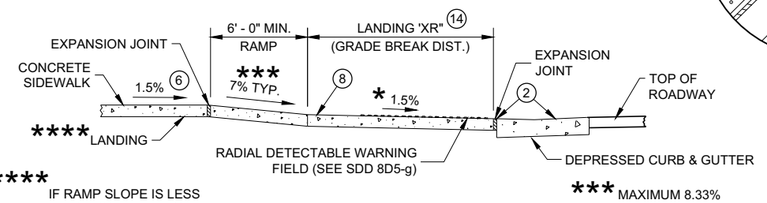
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

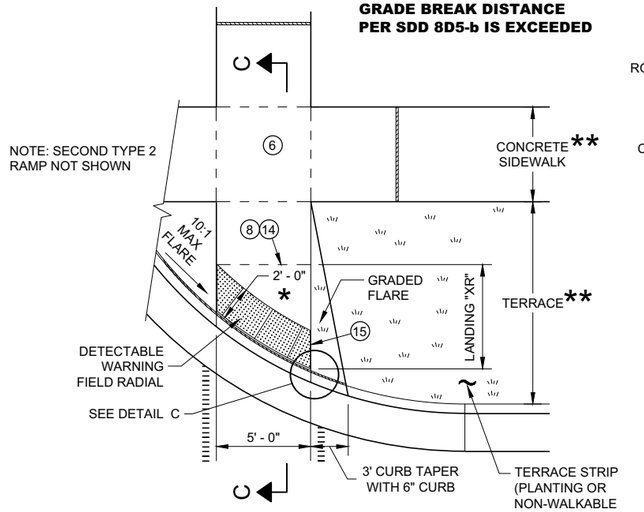
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

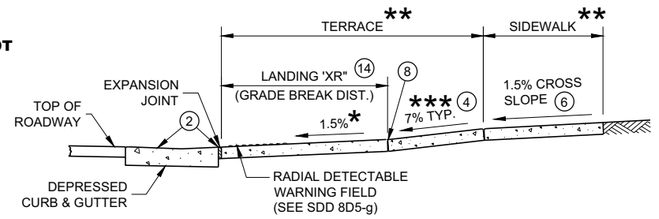


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

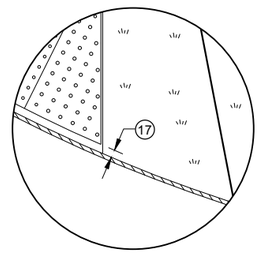


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

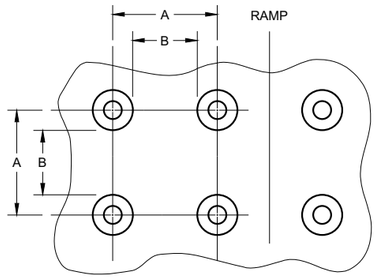
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

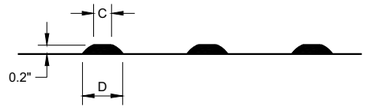
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

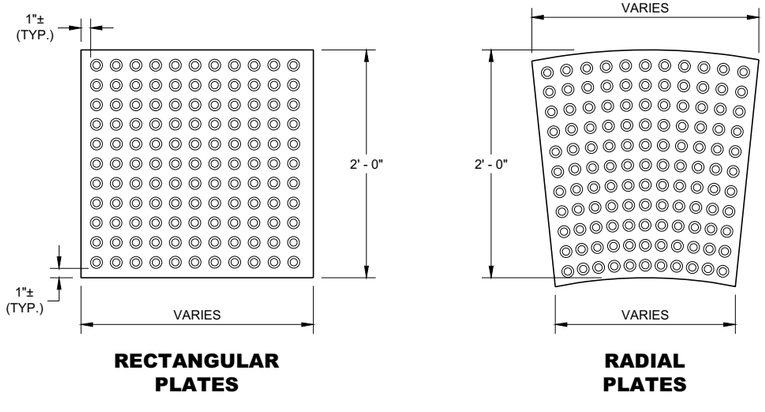


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

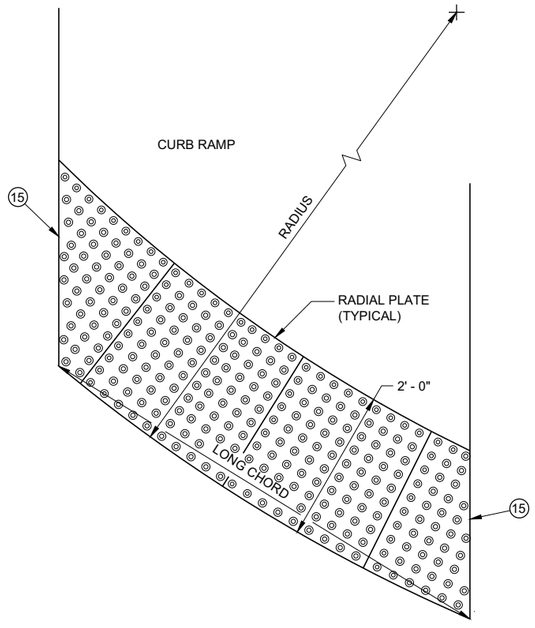
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

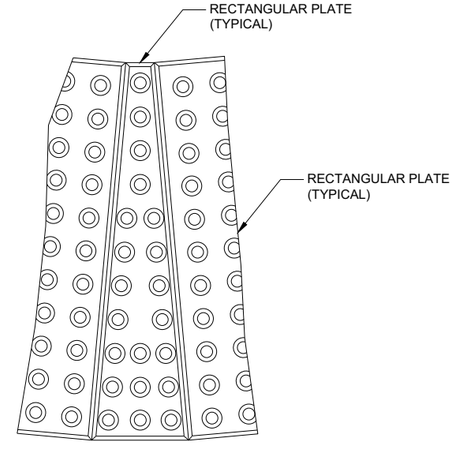
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

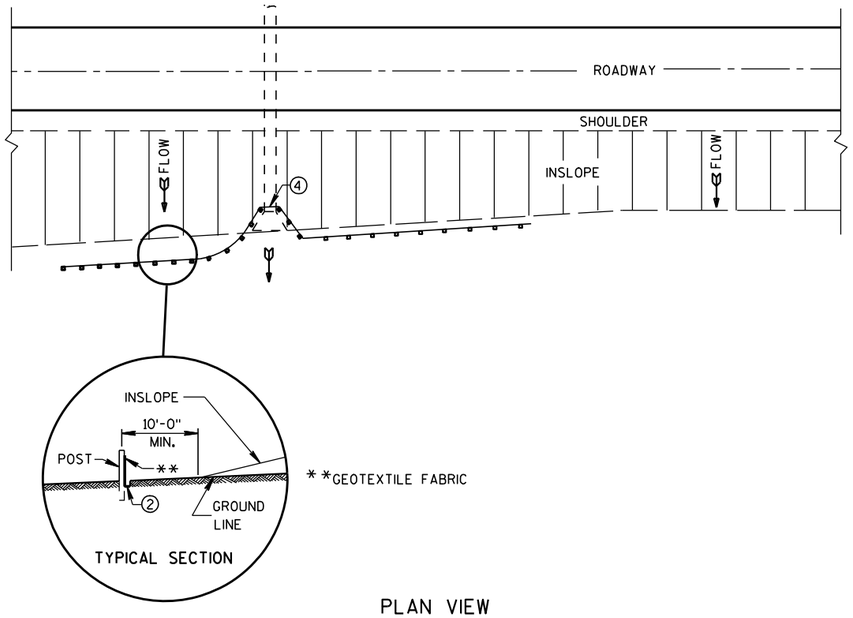
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

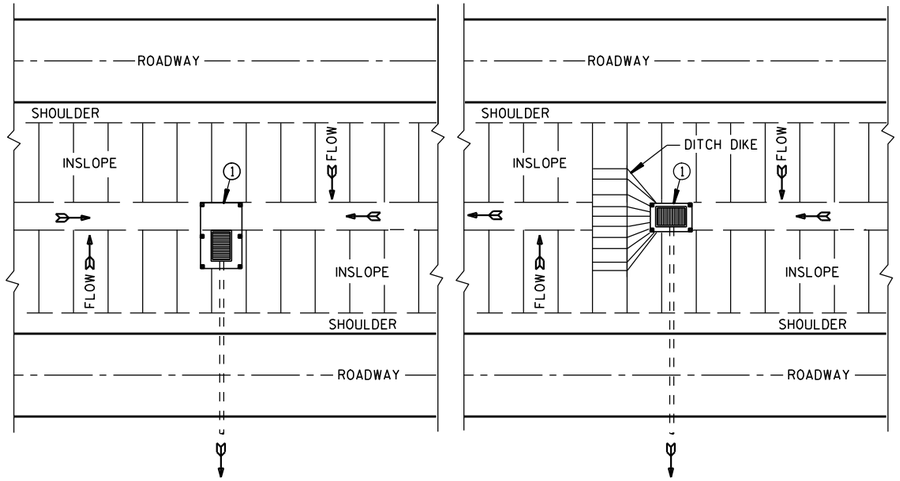
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SDD 08D05 - 20g



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



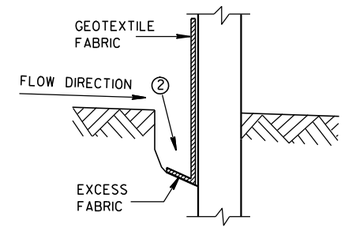
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

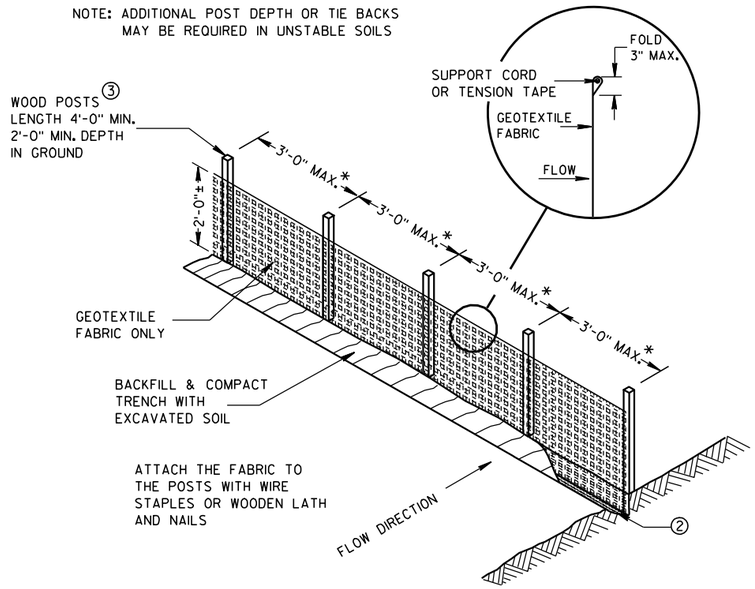
GENERAL NOTES

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.

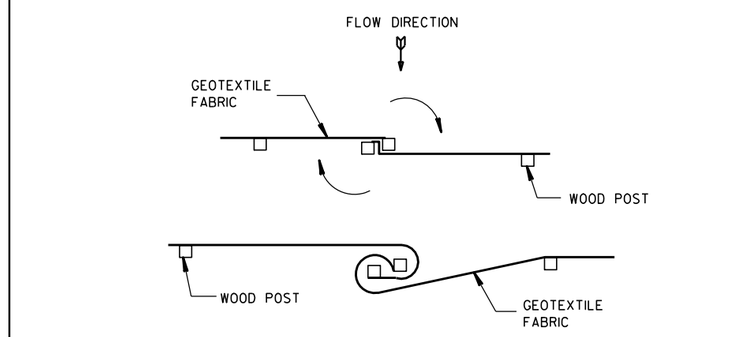


TRENCH DETAIL

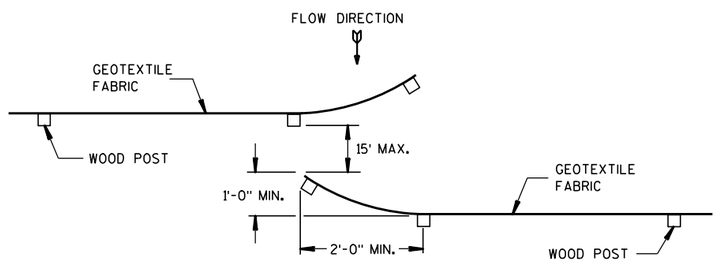


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

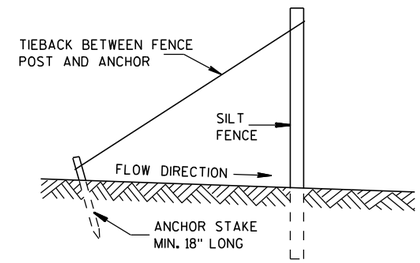


TWIST METHOD



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

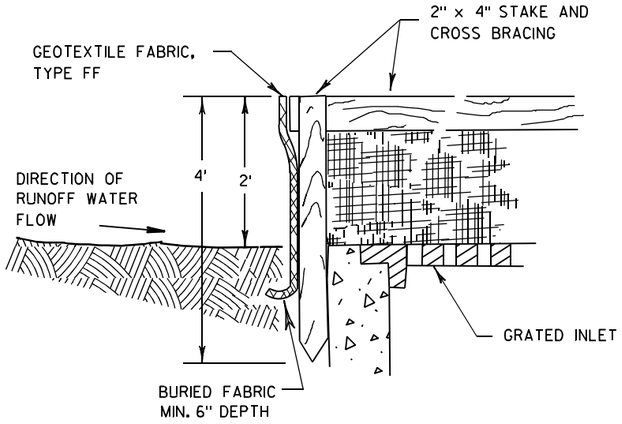
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

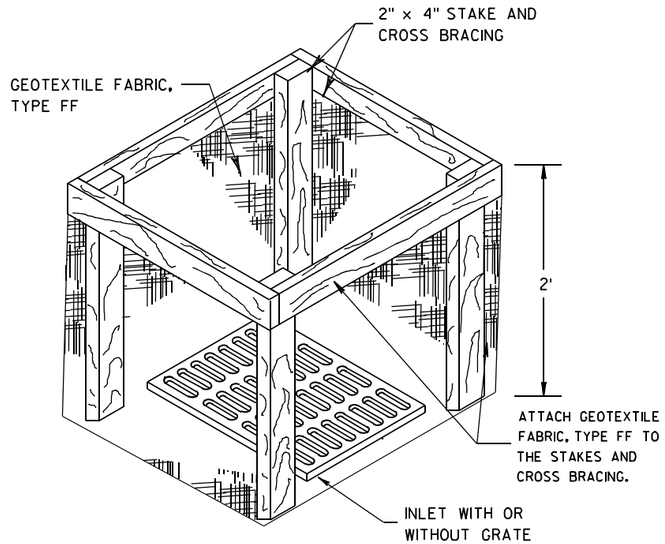
6

S.D.D. 8 E 9-6

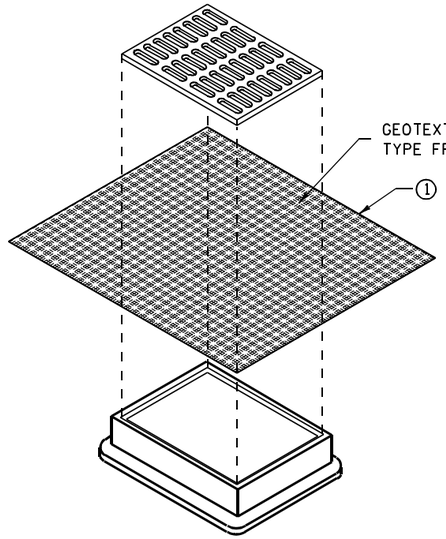
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S.D.D. 8 E 9-6



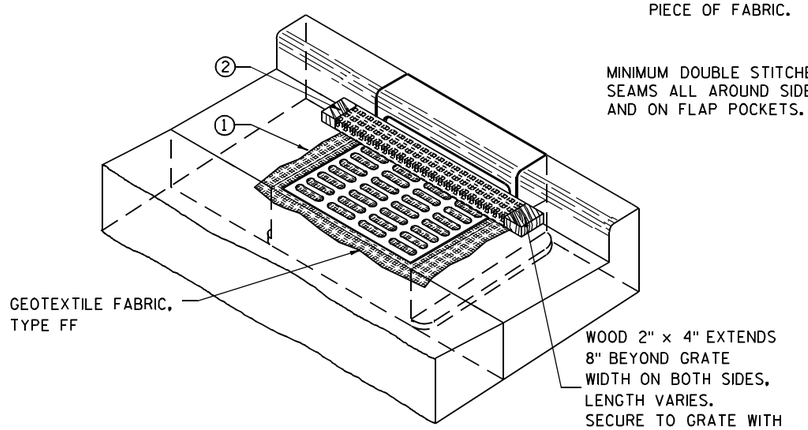


INLET PROTECTION, TYPE A

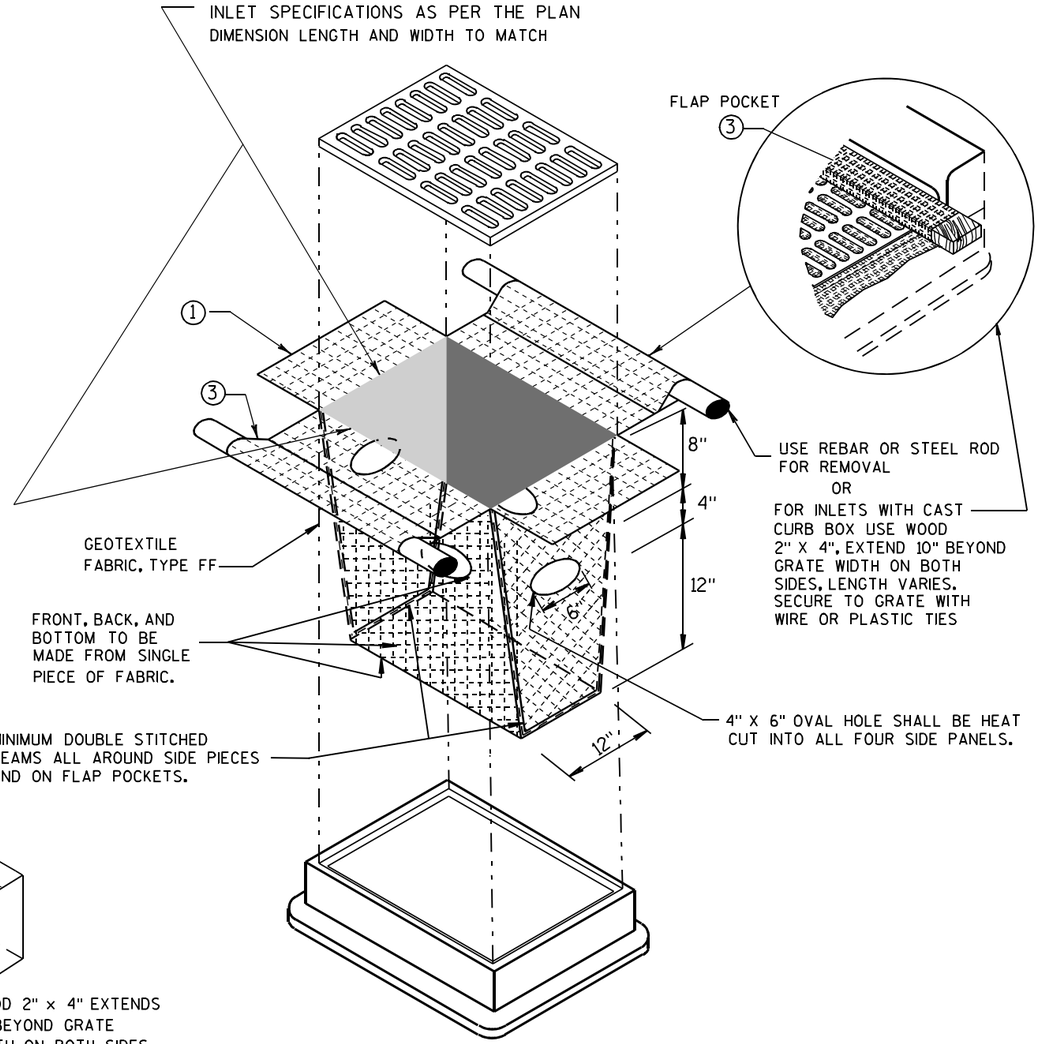


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

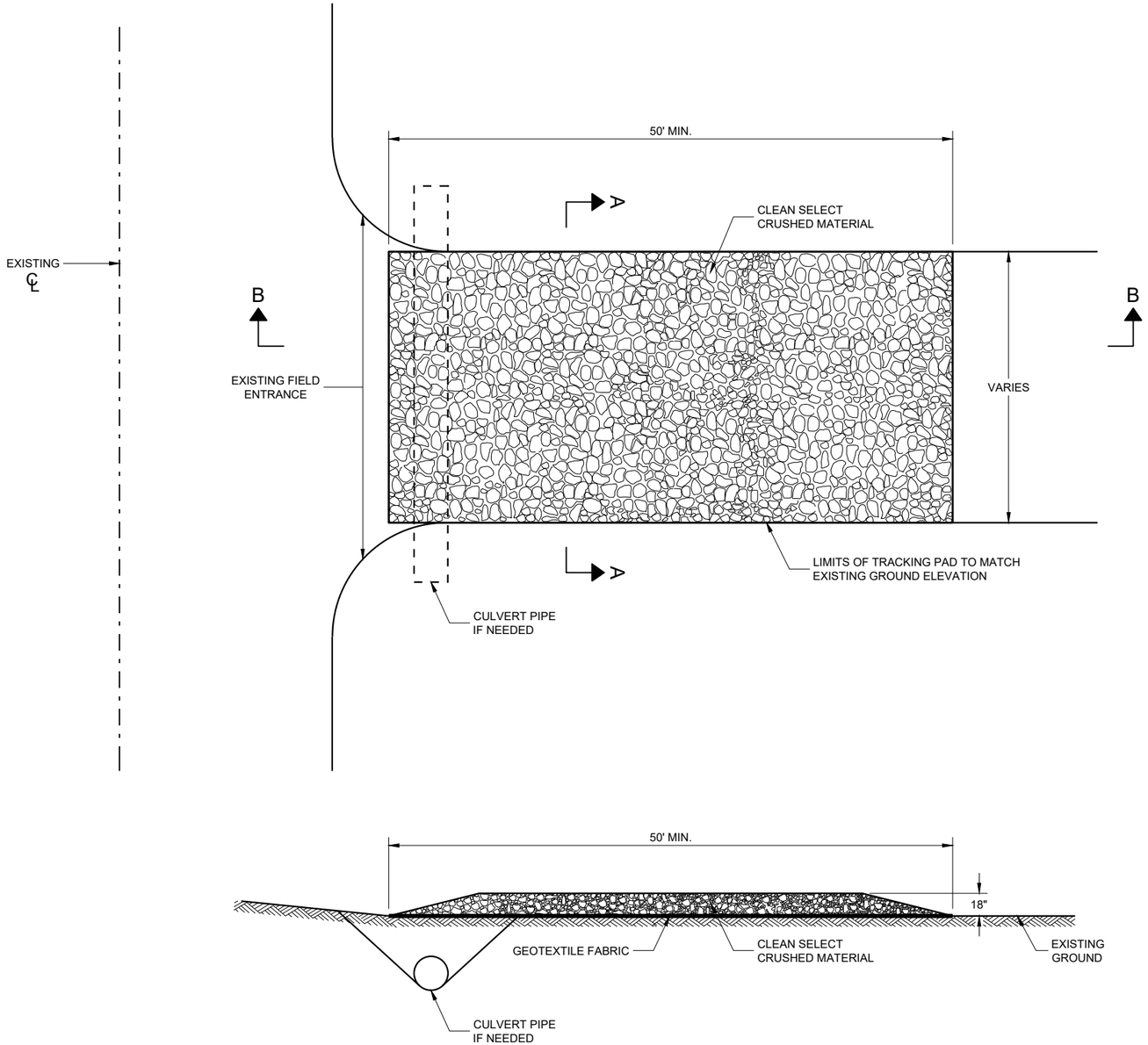
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S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

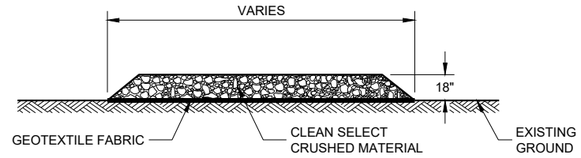
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

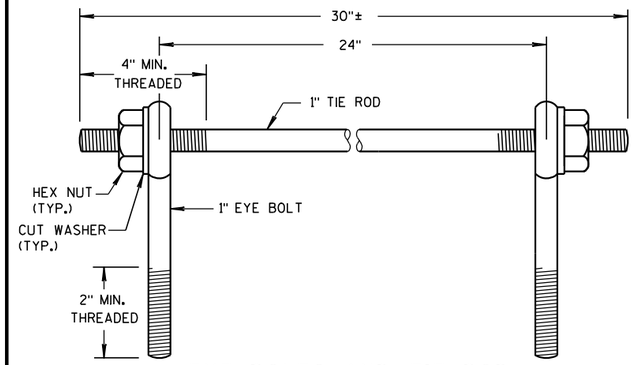
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE
ENGINEER

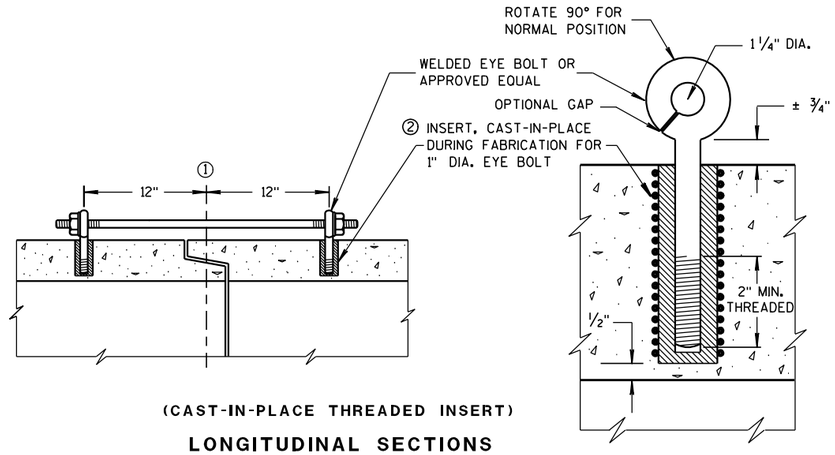
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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

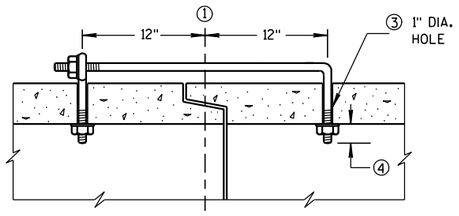
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

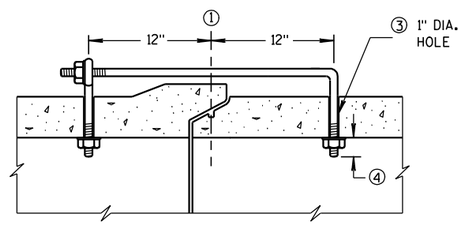
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

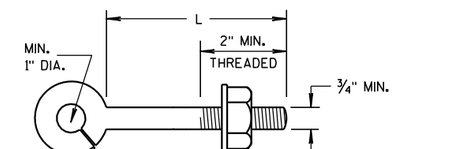


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

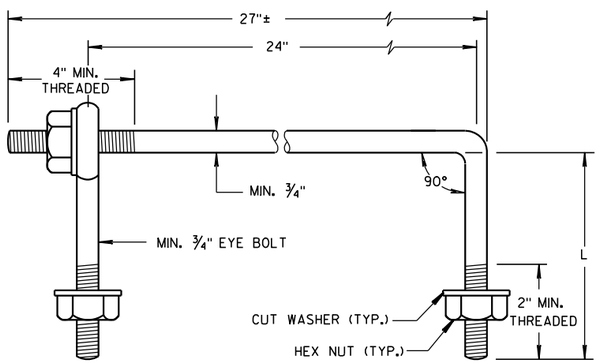
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

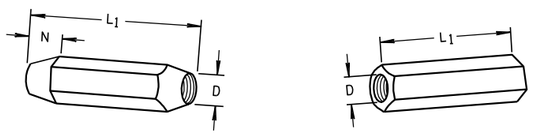
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

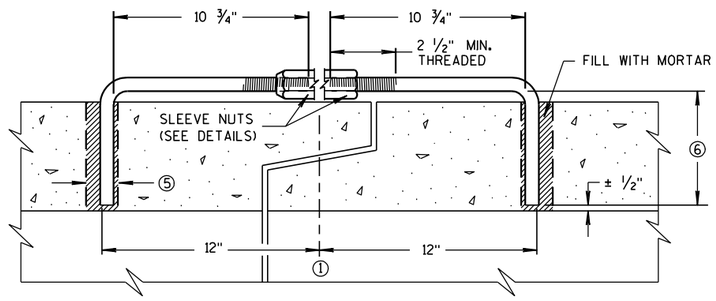
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

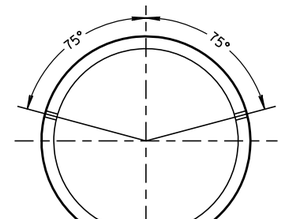
SLEEVE NUTS



LONGITUDINAL SECTION

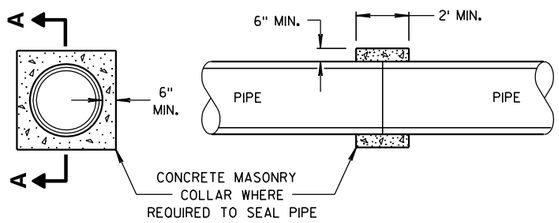
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

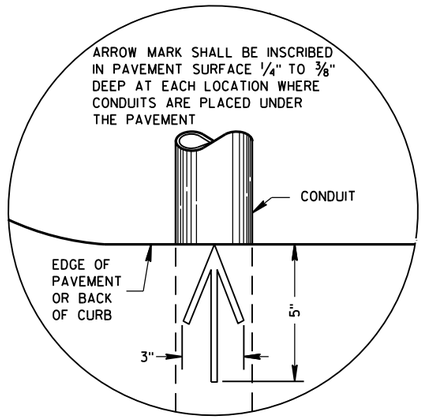
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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S.D.D. 8 F 4-7

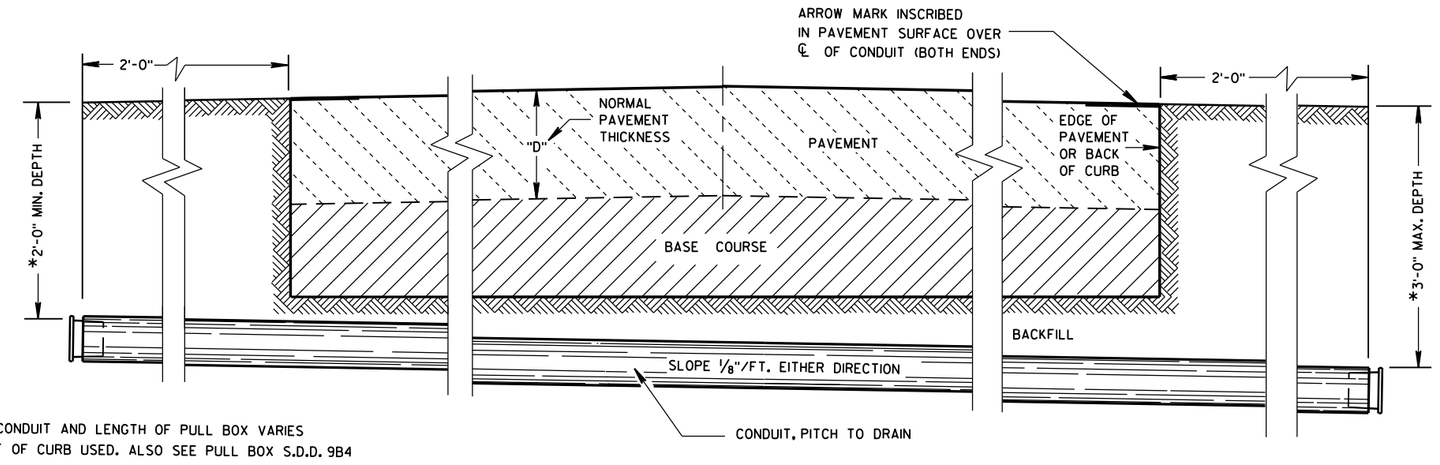
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S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

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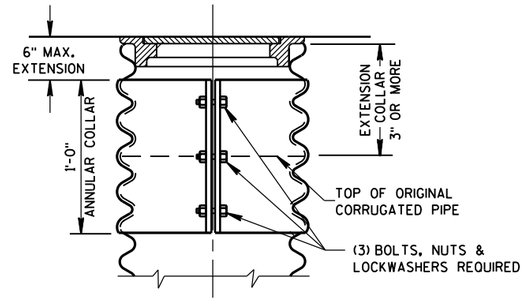
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

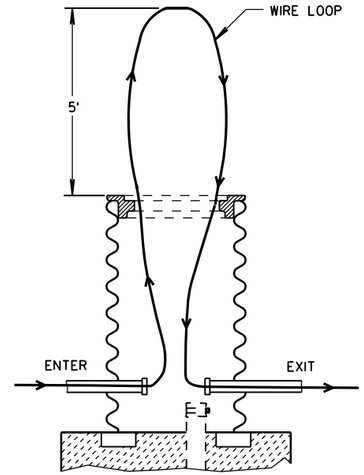
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

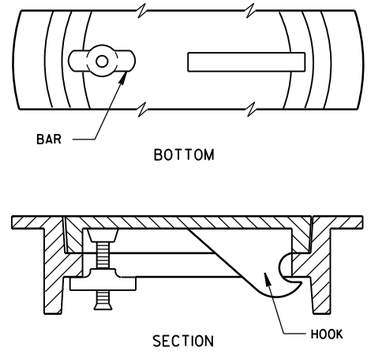
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

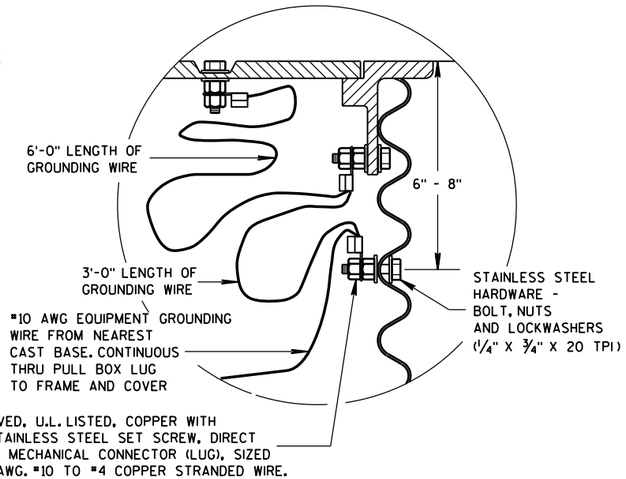


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

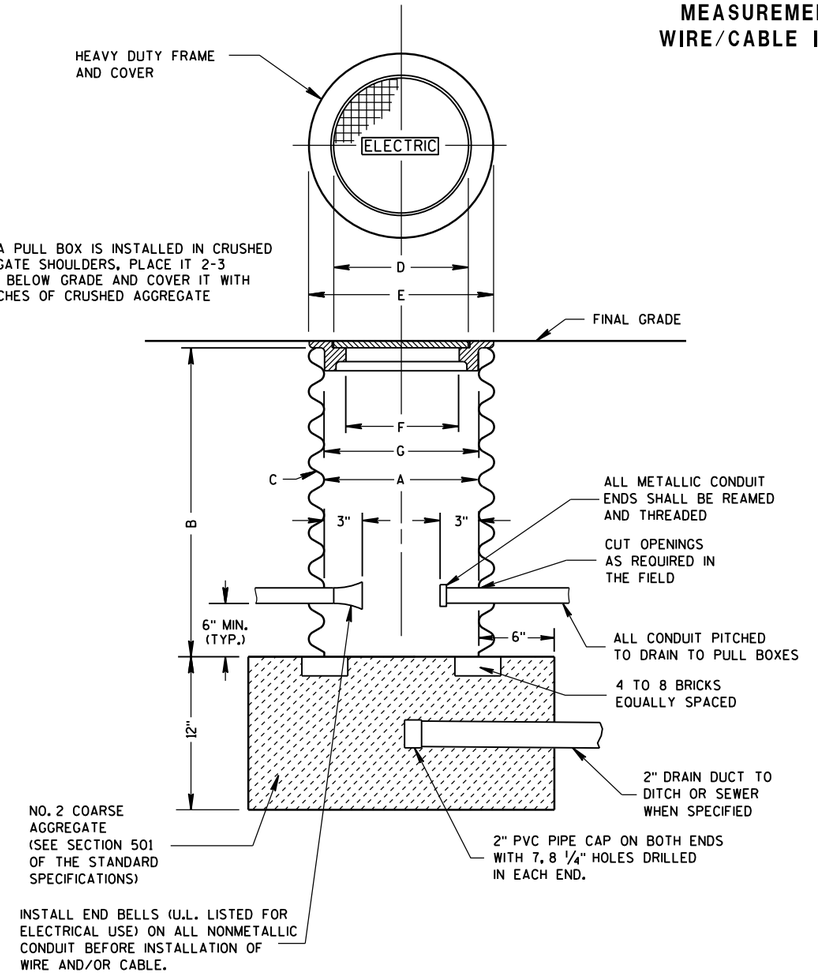
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

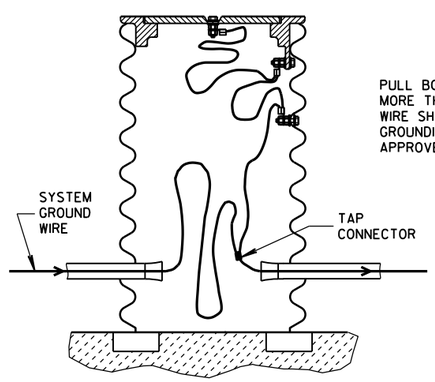
GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

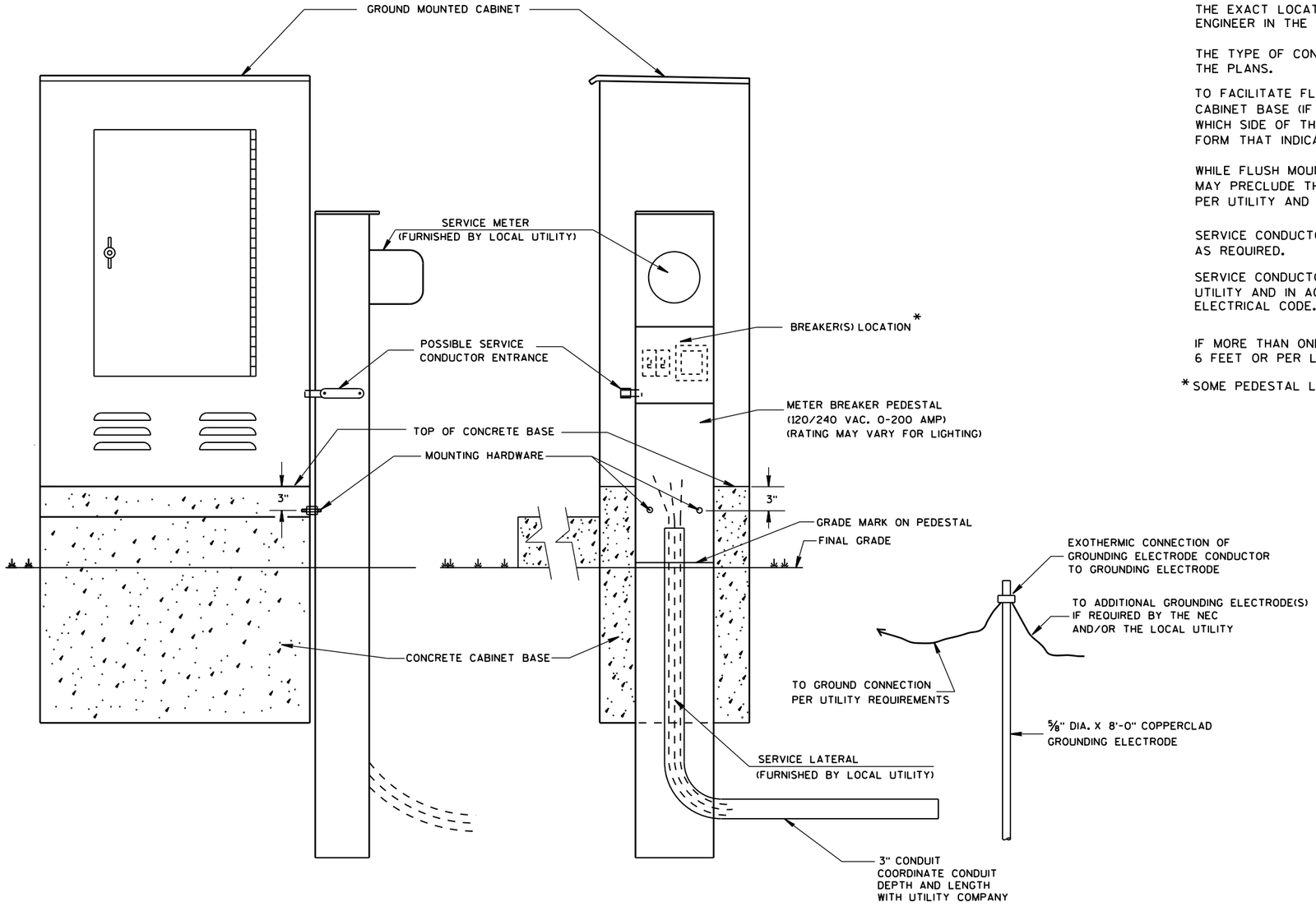
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

*SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
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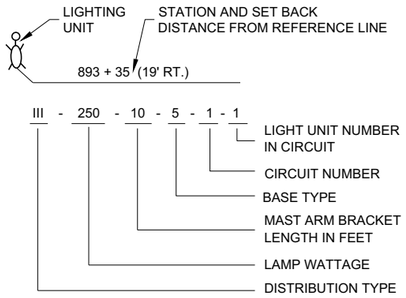
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GENERAL NOTES

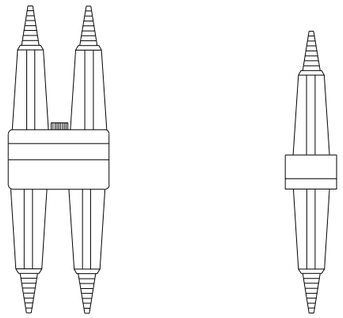
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

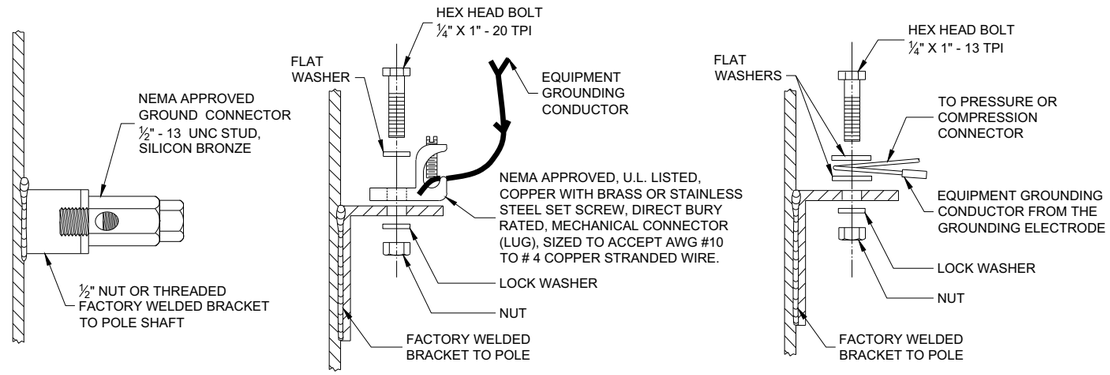


LIGHTING UNIT CODE
(TYPICAL)

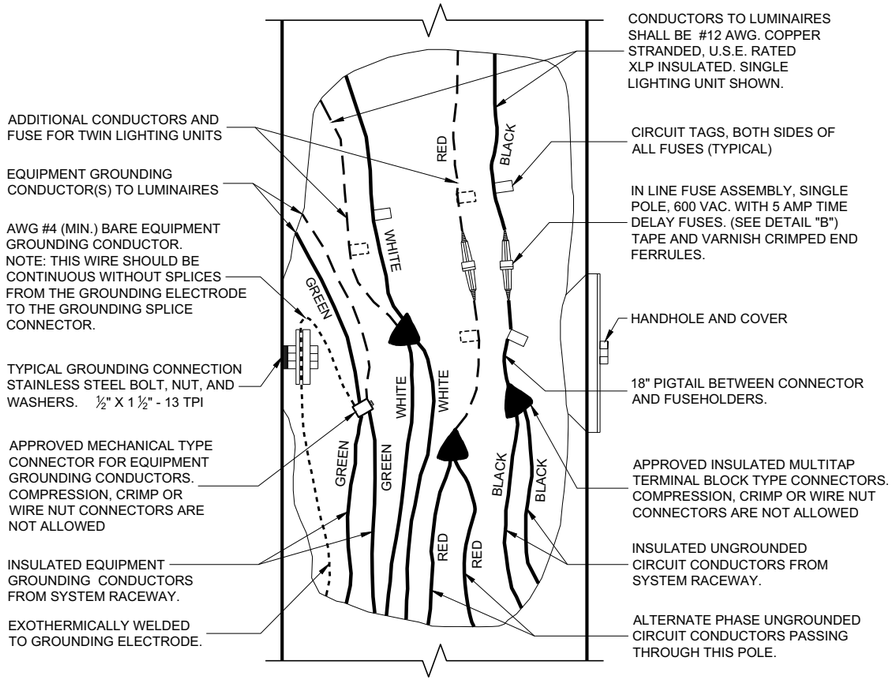


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

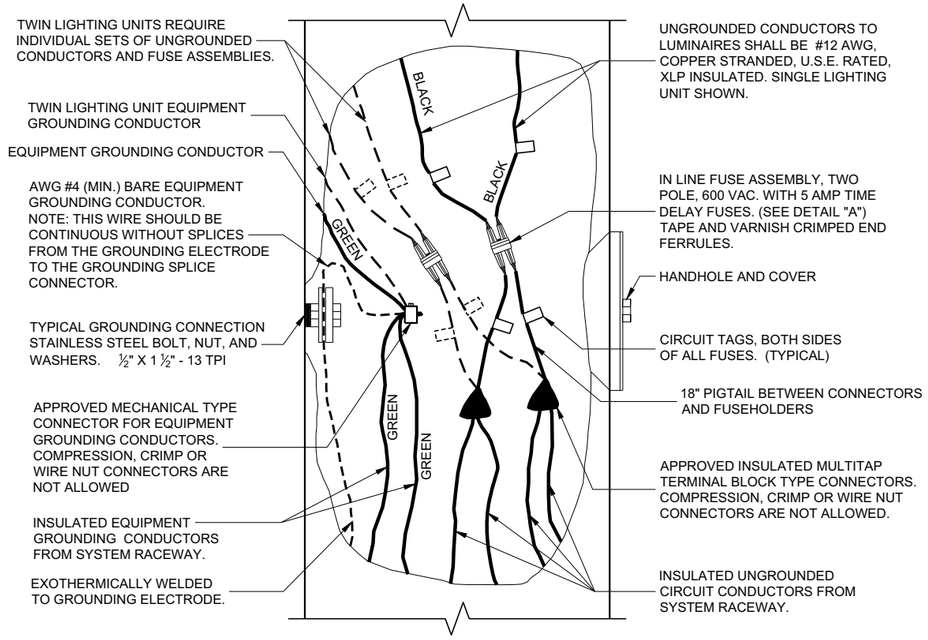
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

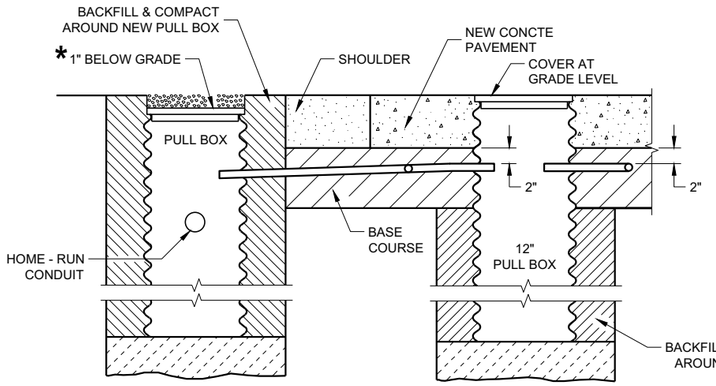
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 250

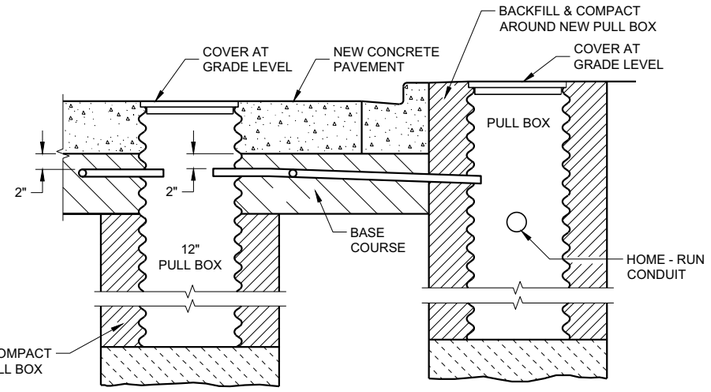
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SDD 09E03 - 06



SECTION A - A
NO CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL



SECTION B - B
CURB AND GUTTER

LOOP DETECTOR INSTALLATION DETAIL

* RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

ANY PVC LEADOUT CONDUIT CONTAINING MORE THAN ONE TWISTED PAIR OF LOOP LEAD WIRE SHALL BE 2".

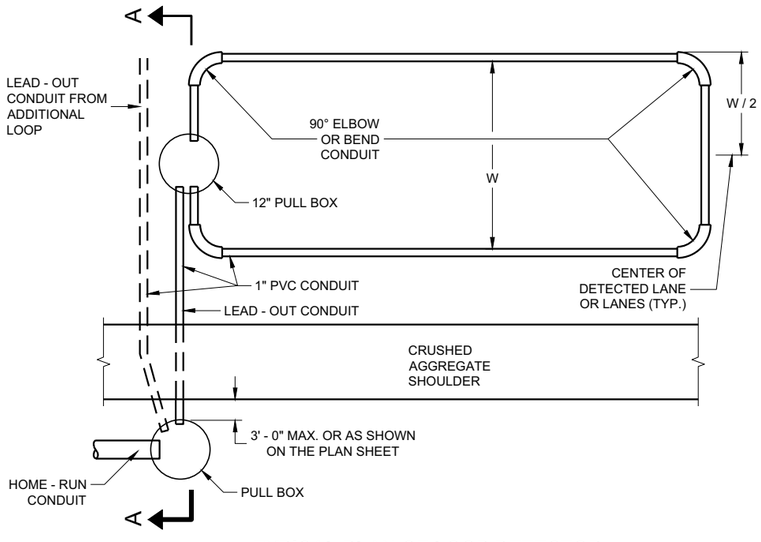
THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

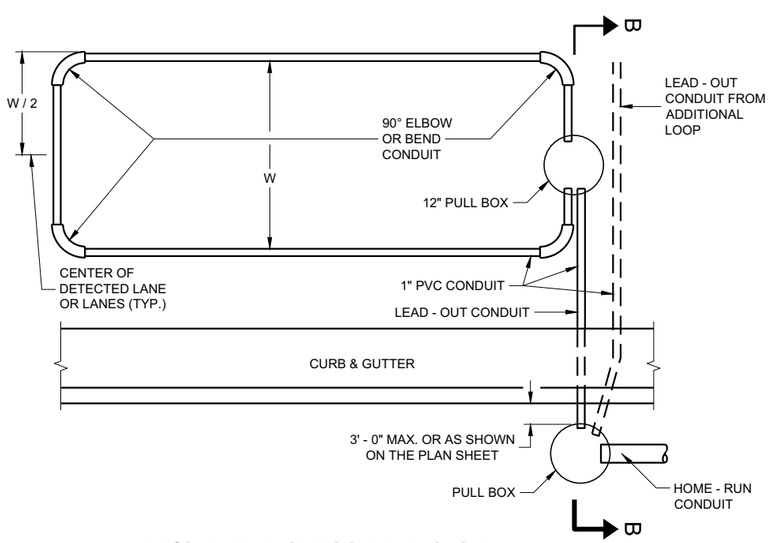
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, INTO THE PULL BOX IN THE PAVEMENT, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT, CONDULET, PULL BOX SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW CONCRETE PAVEMENT IS POURED.

12" PULL BOXES IN PAVEMENT SHALL BE CORRUGATED STEEL ONLY.



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX



TYPICAL PLAN OF LOOP DETECTOR WITH 12" PULLBOX

LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW CONCRETE PAVEMENT)

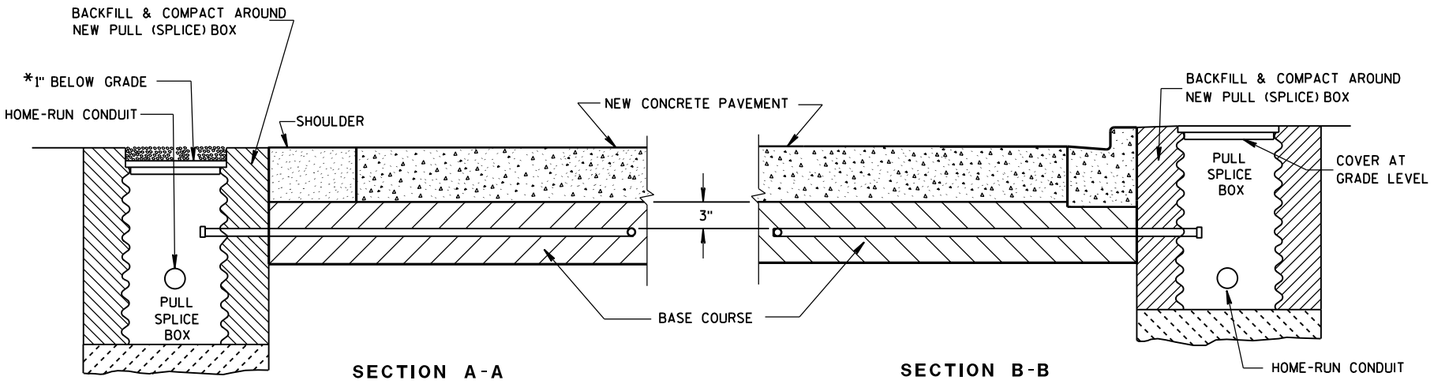
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
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SDD 09F09 - 05



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

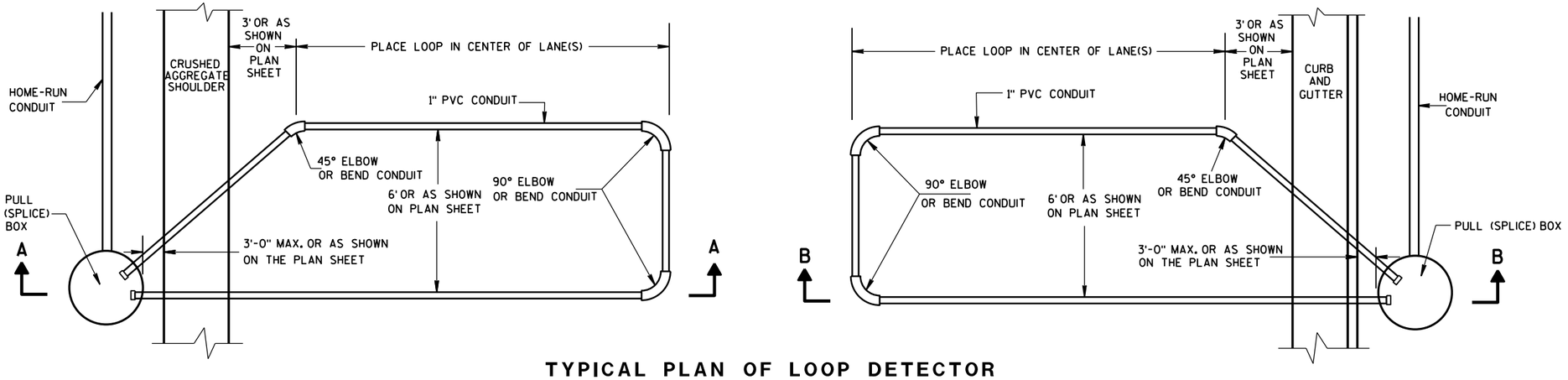
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

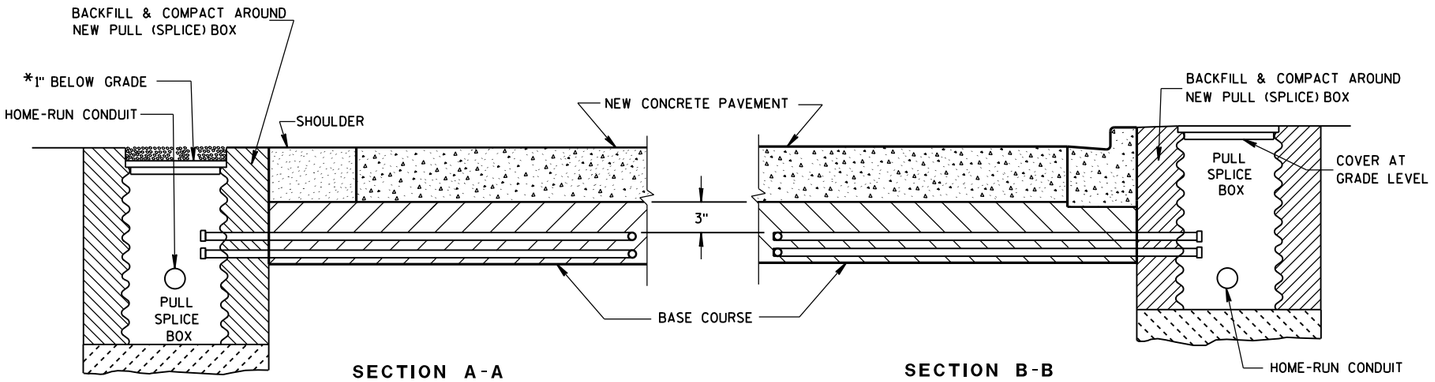
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SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

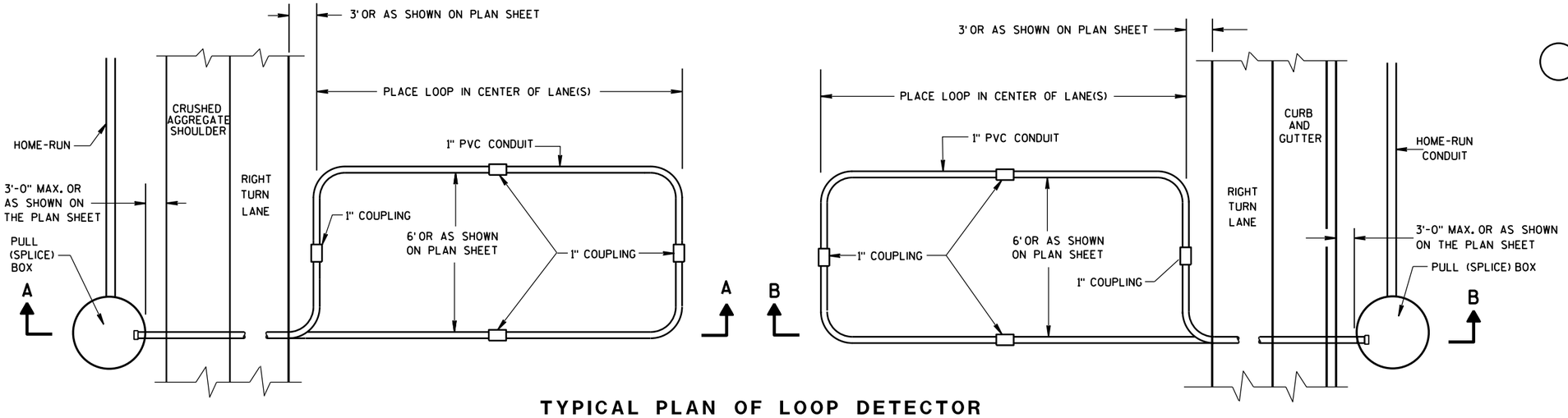
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

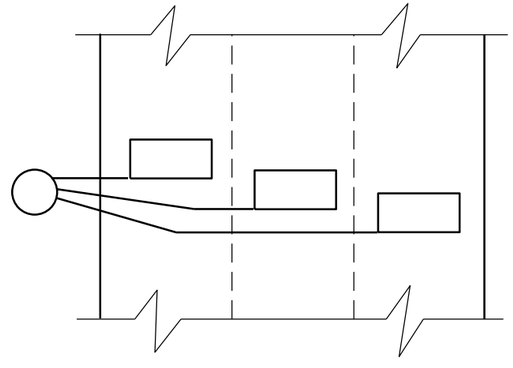
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



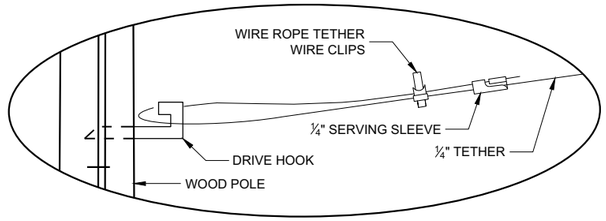
TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED Sept. 2014 — DATE /S/ Ahmet Demirbilek — STATE ELECTRICAL FHWA

MINIMUM POLE LENGTHS	POLE BURIAL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

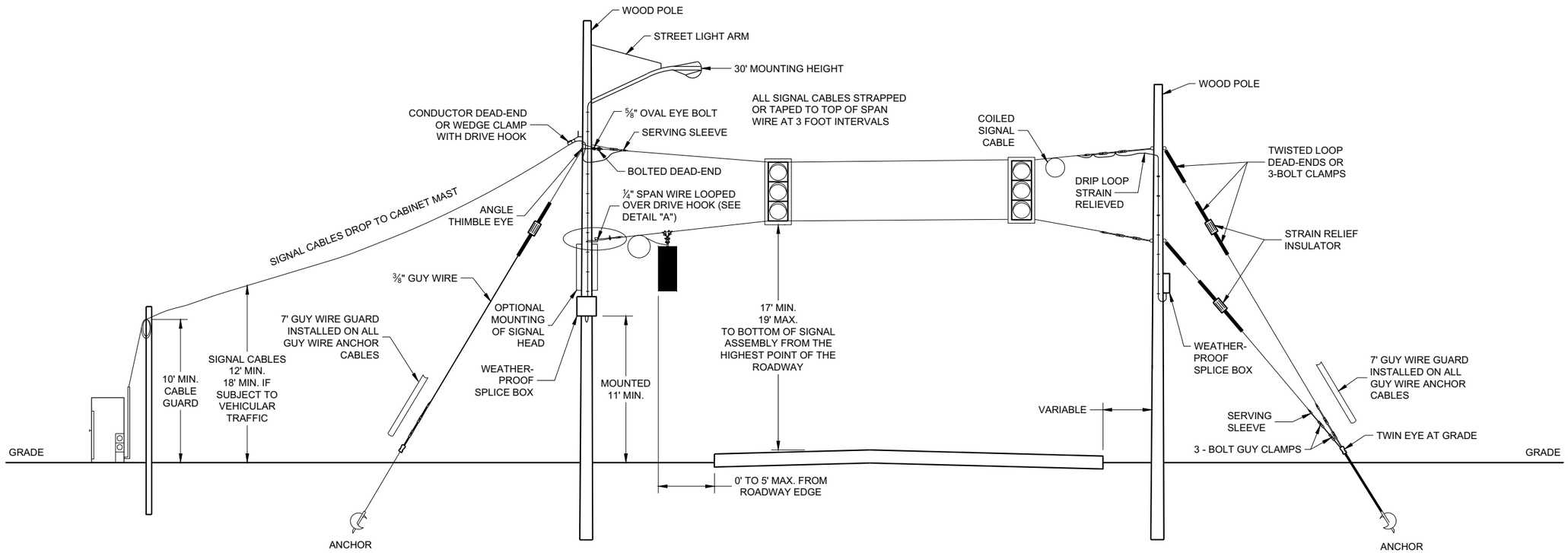


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — STATE ELECTRICAL ENGI
254

FHWA

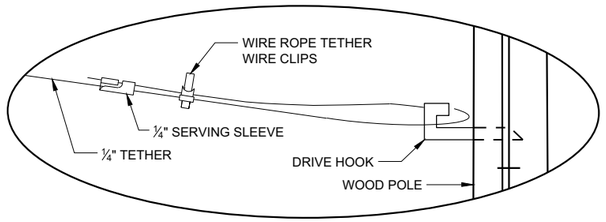
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SDD09G01 - 04a

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SDD09G01 - 04a

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

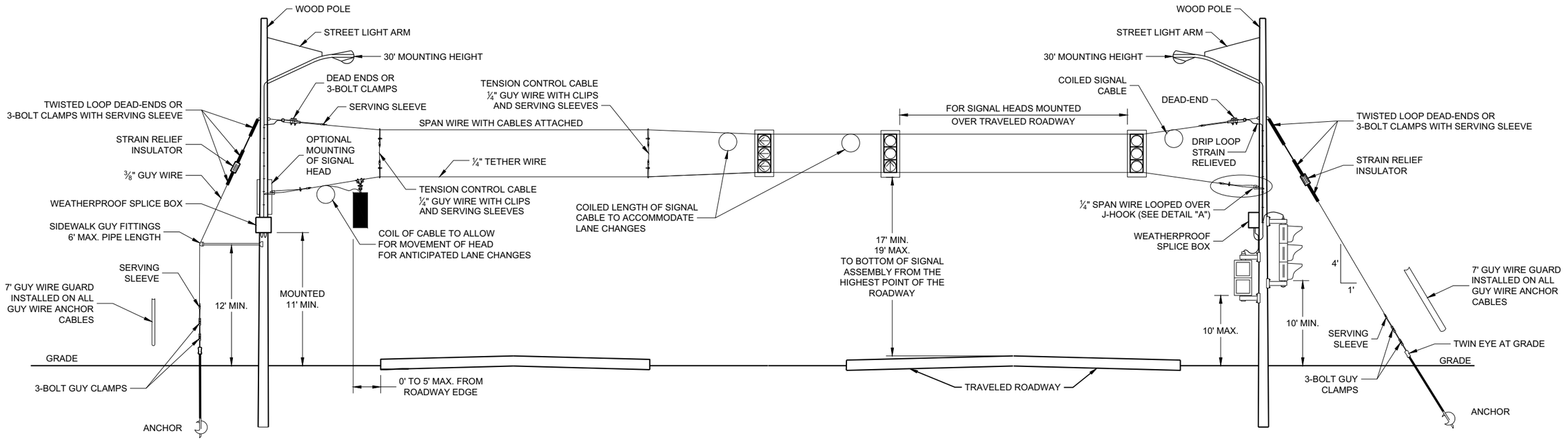


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

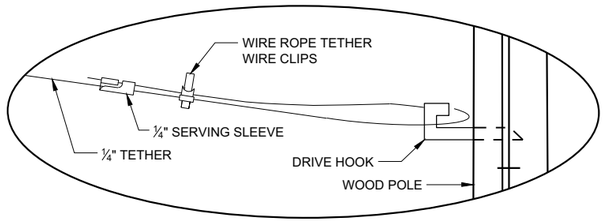
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

FHWA

SDD09G01 - 04b

SDD09G01 - 04b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

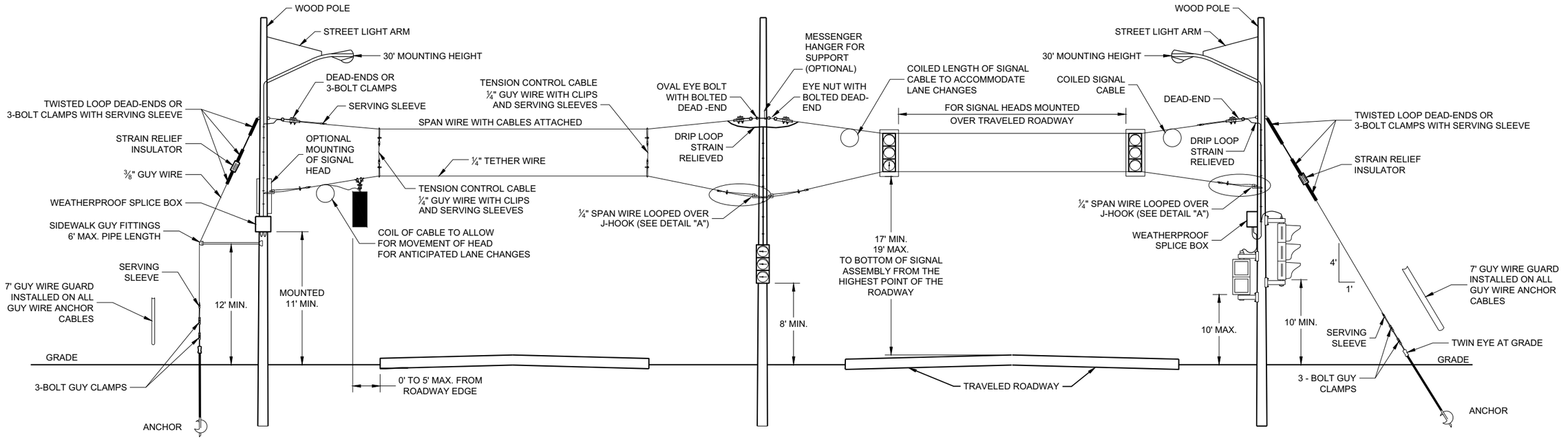


DETAIL "A"

GENERAL NOTES

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SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

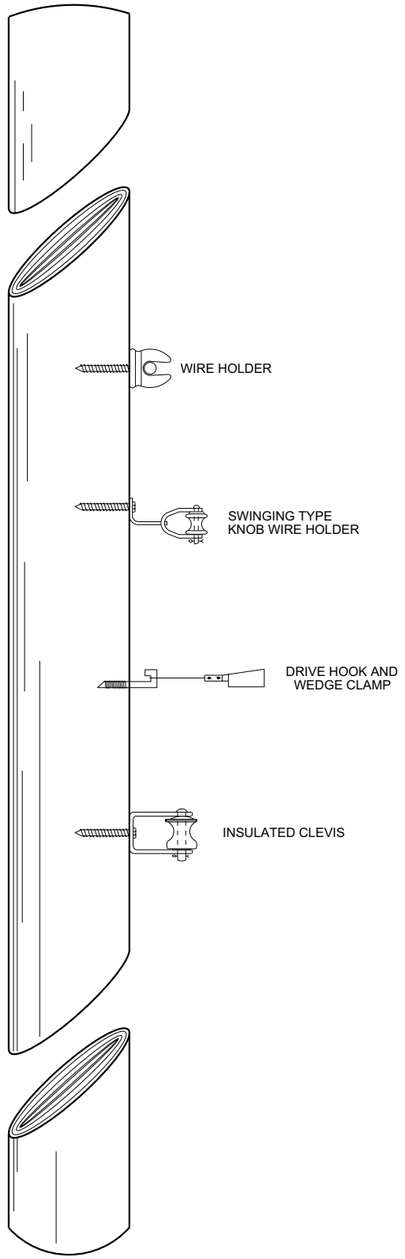
APPROVED
June 2015
DATE

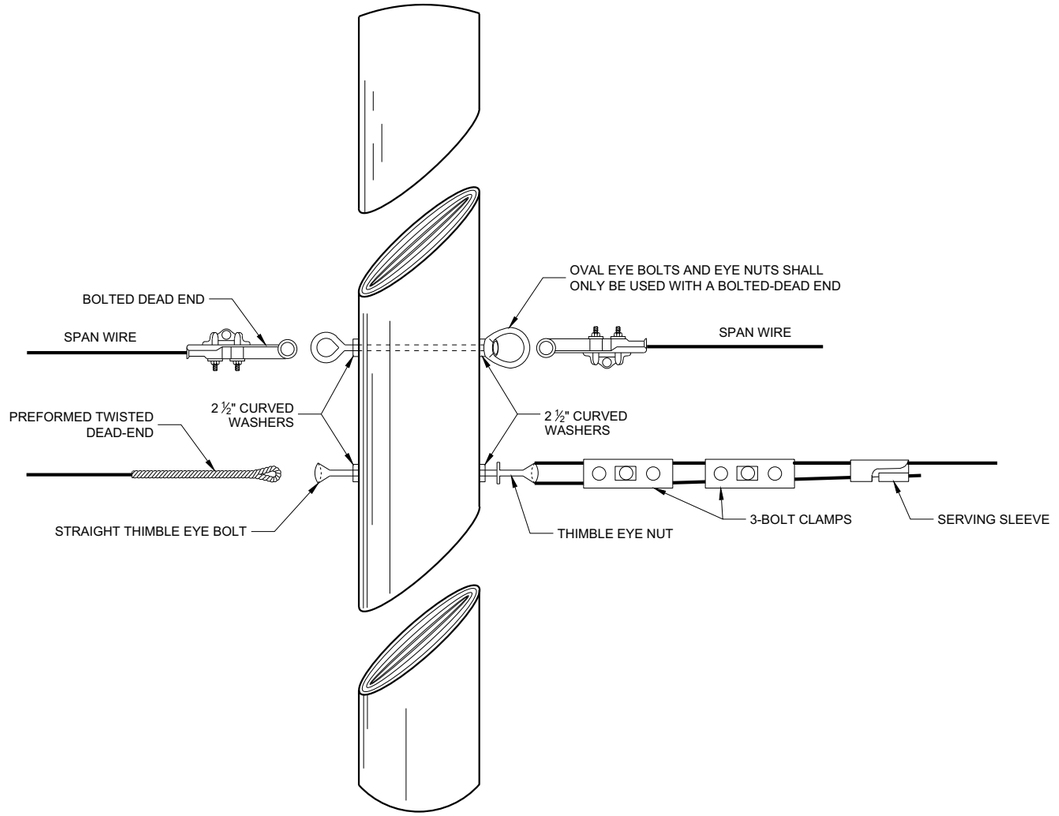
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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SDD09G01 - 04c





SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

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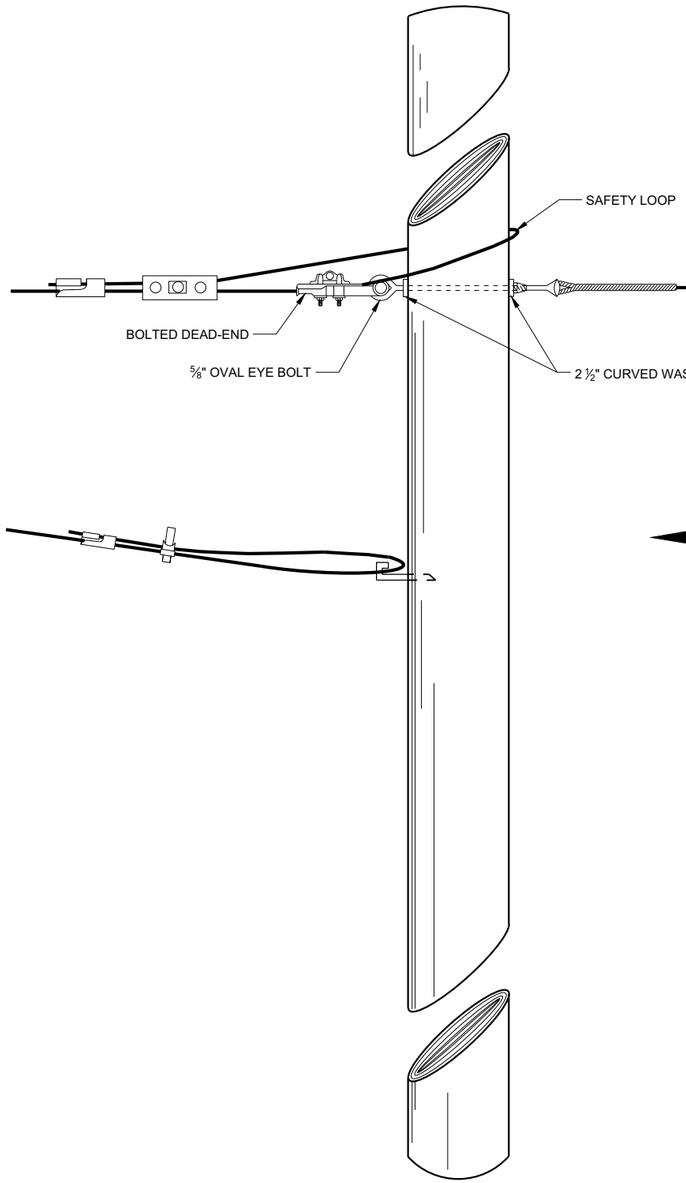
SDD 09G01 - 4d

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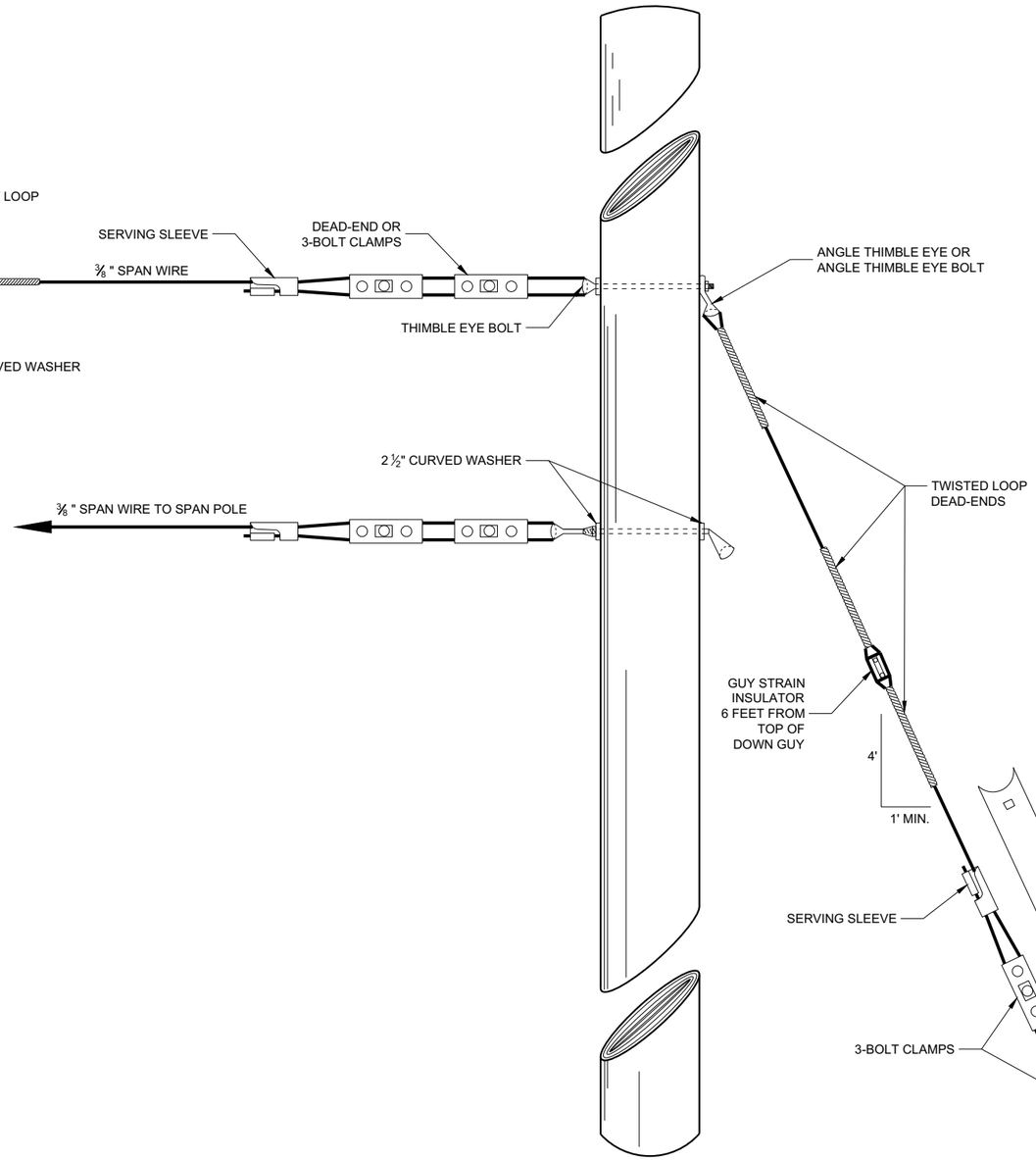
SDD 09G01 - 4d

GENERAL NOTES

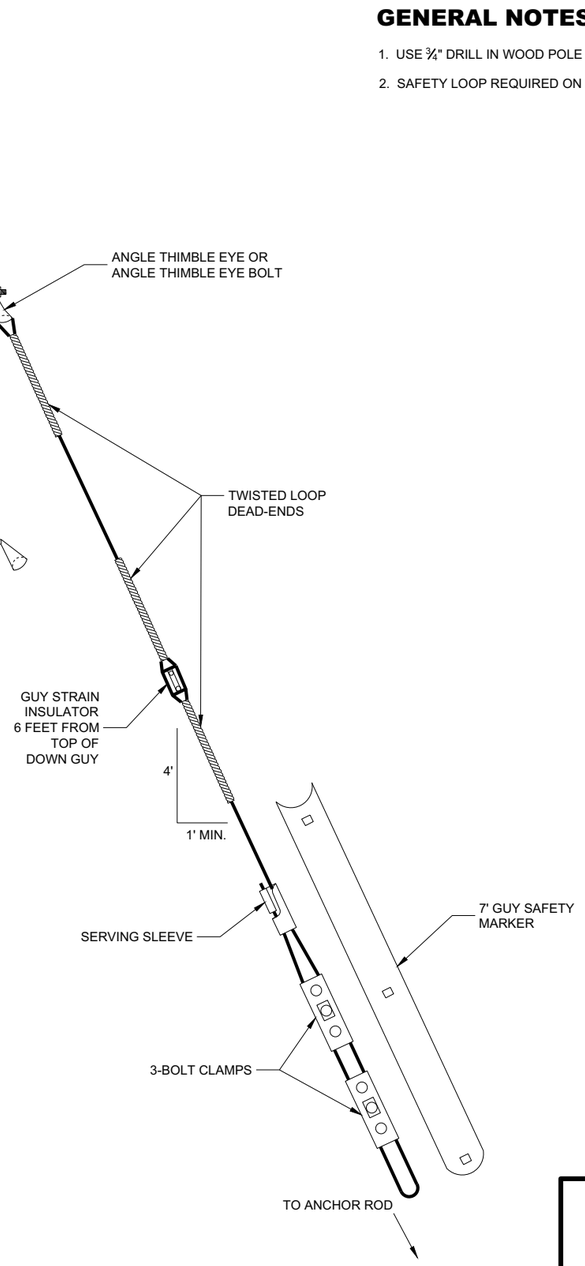
1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



GUY POLE



TYPICAL DEAD-ENDINGS OR GUYING

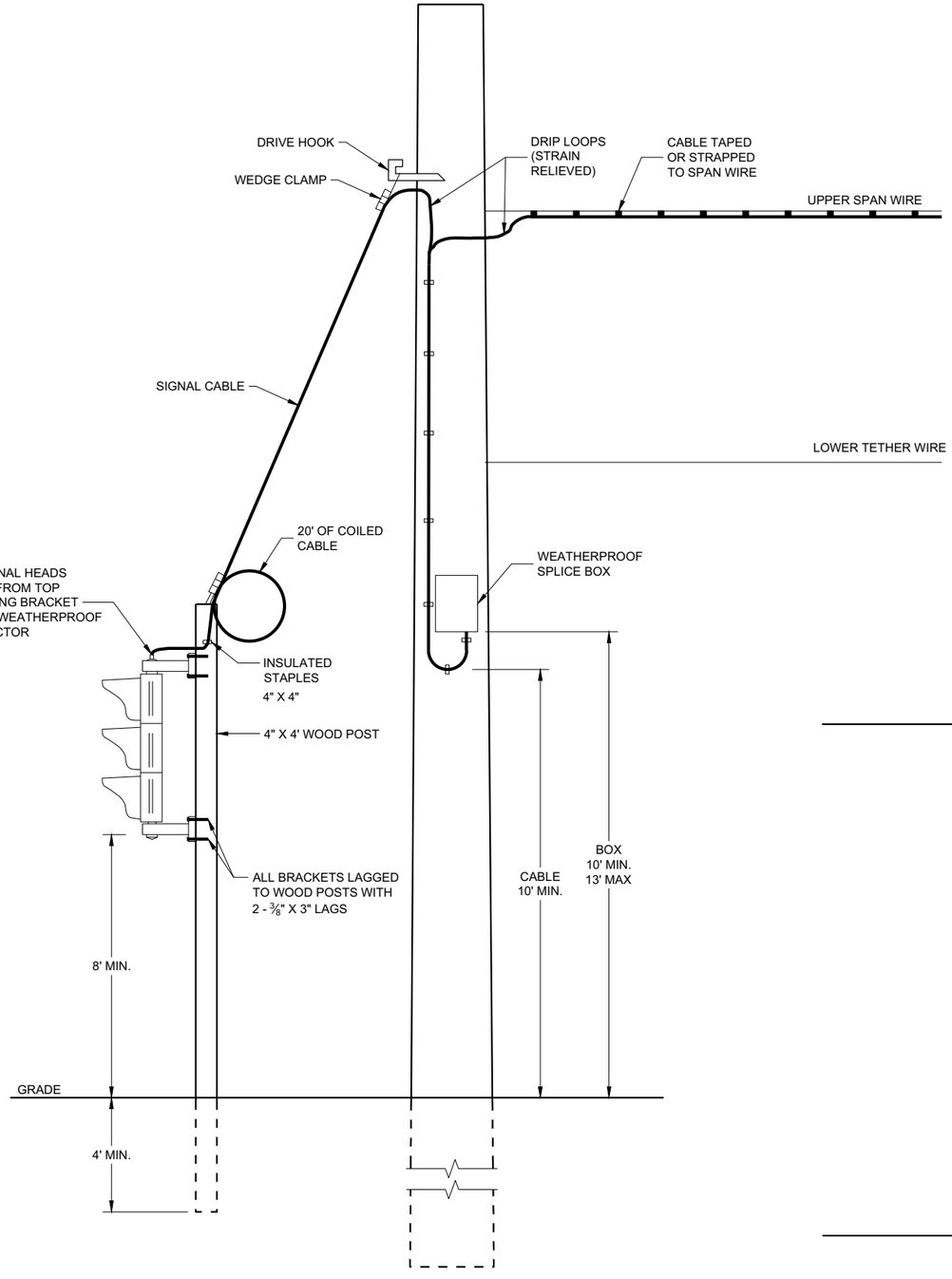
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

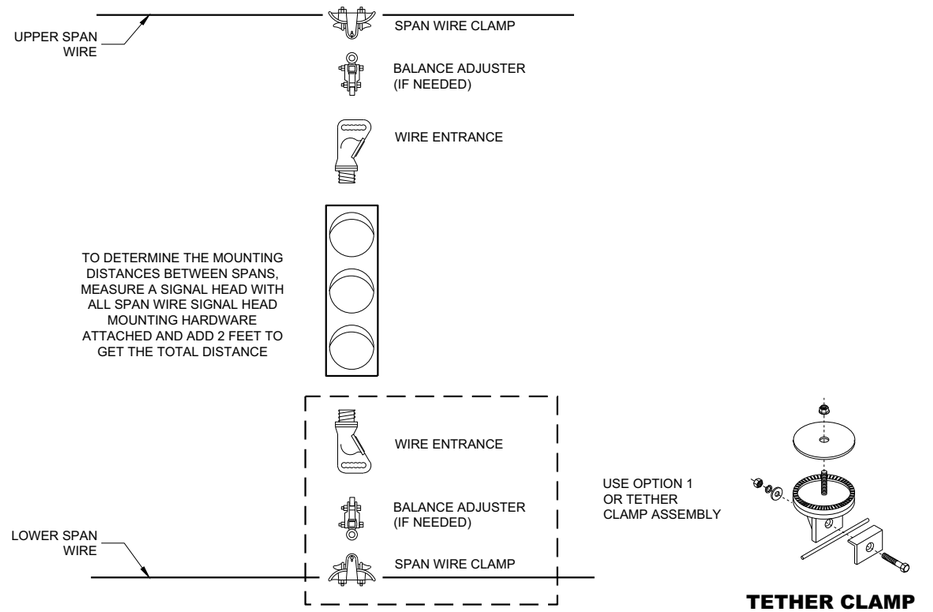
APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

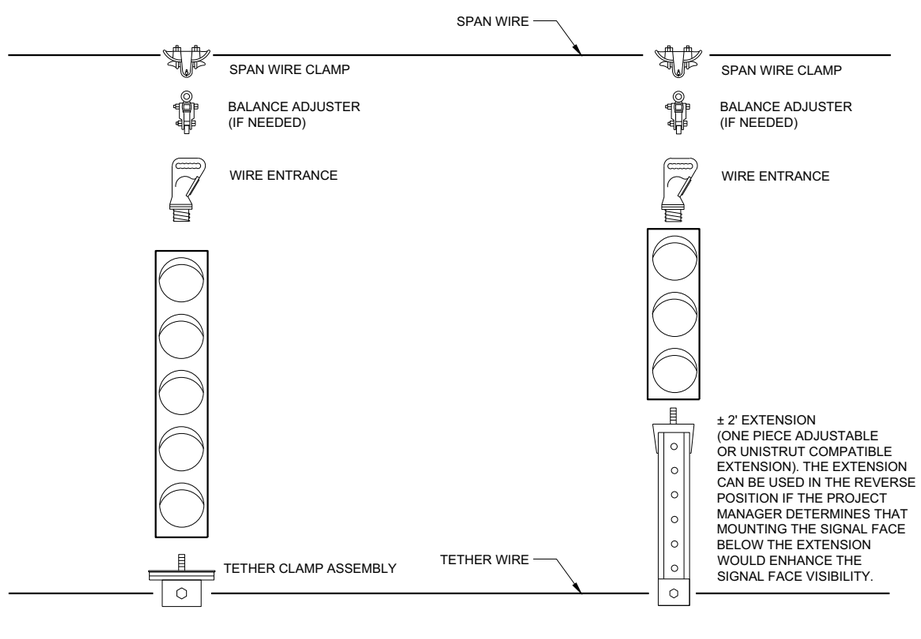


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

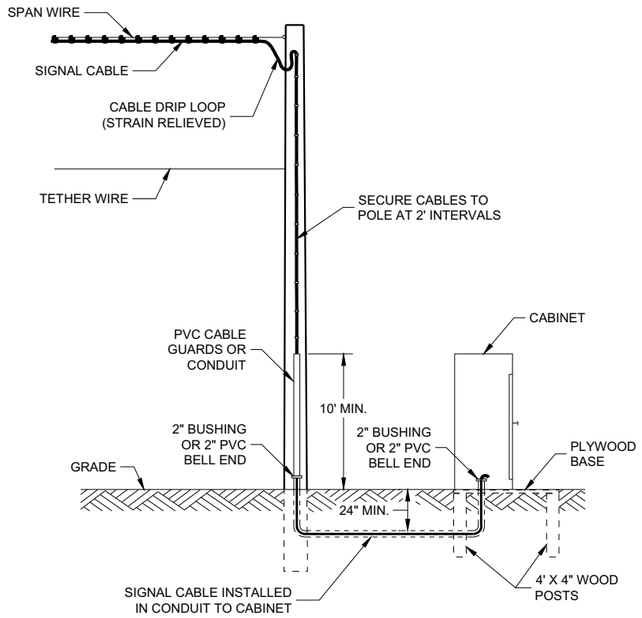
APPROVED
June 2015
DATE

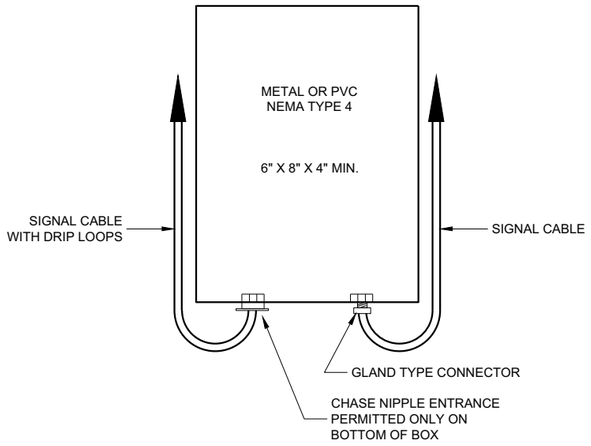
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

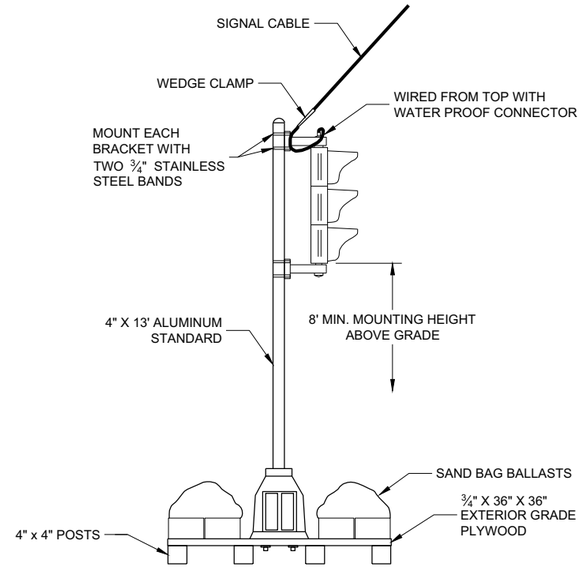
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SDD 09G01 - 4f

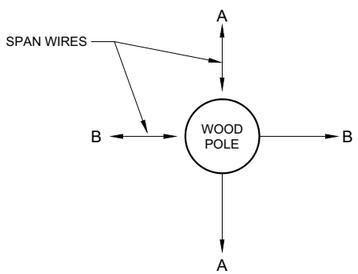




SPLICE BOX

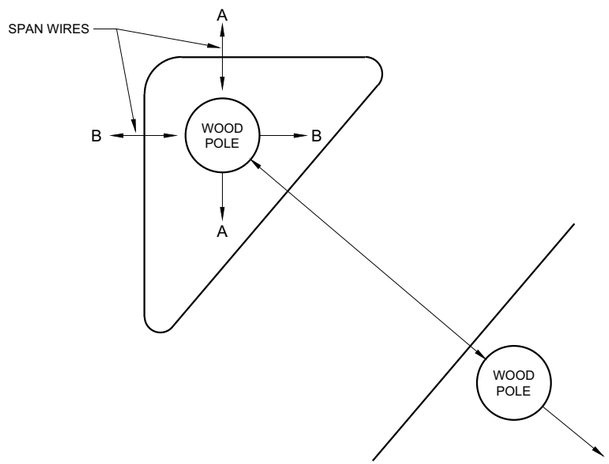


TYPICAL SKID TYPE TEMPORARY

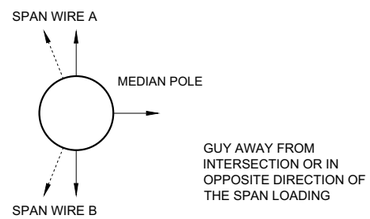


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

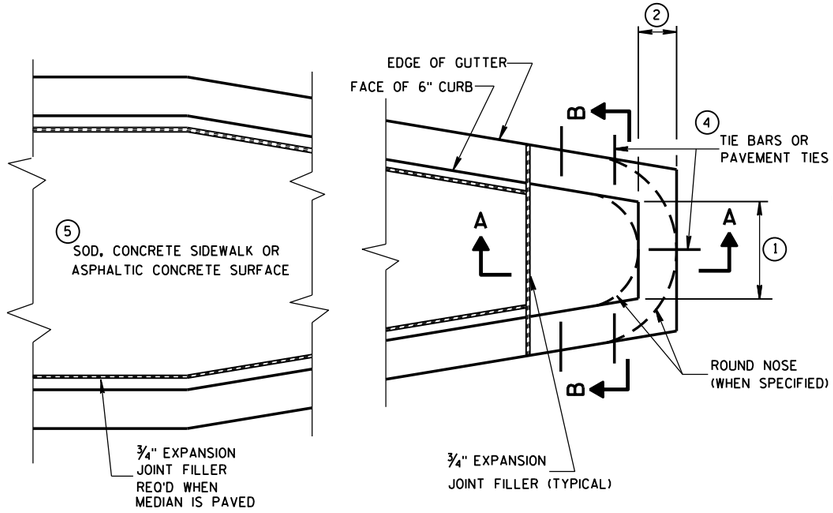
APPROVED
June 2015
DATE

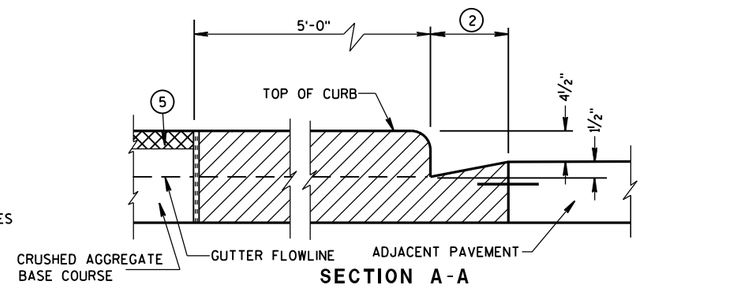
/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 09G01 - 4g

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CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

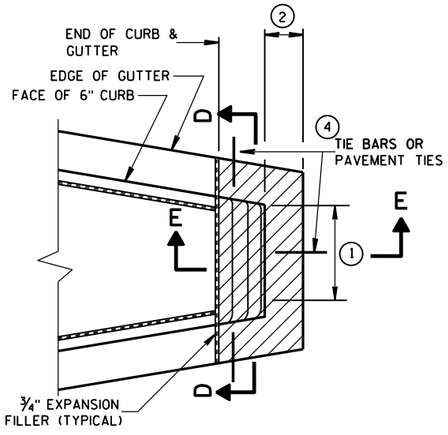
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

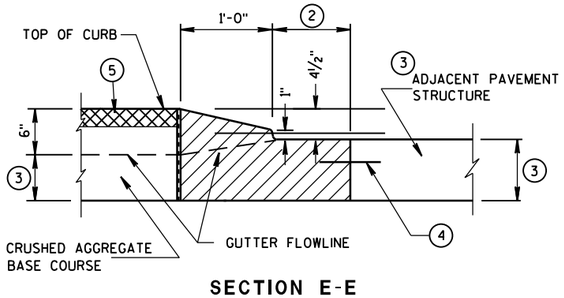
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

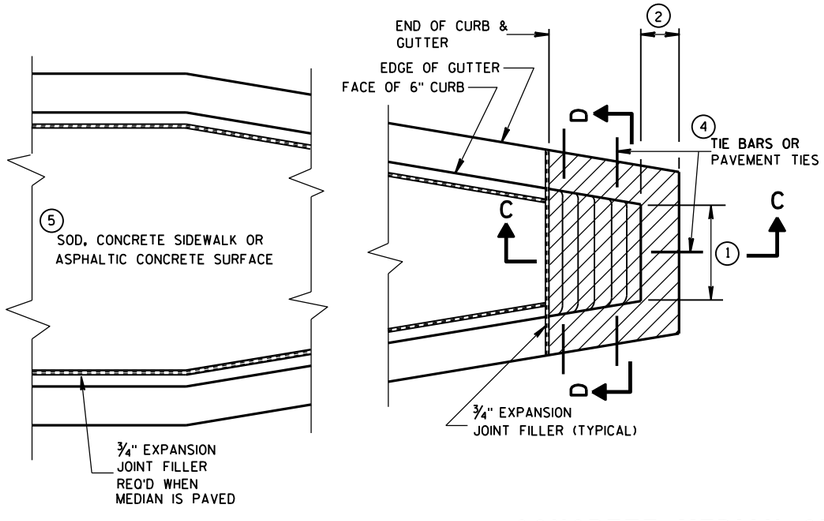
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

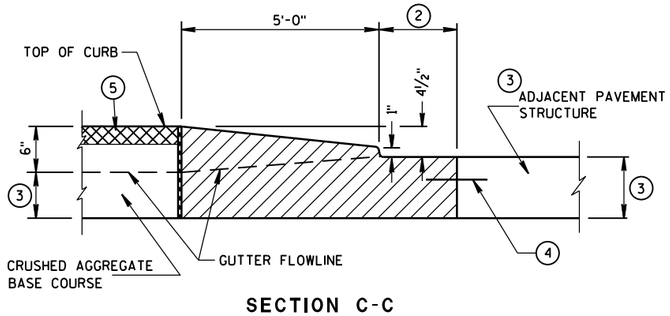
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



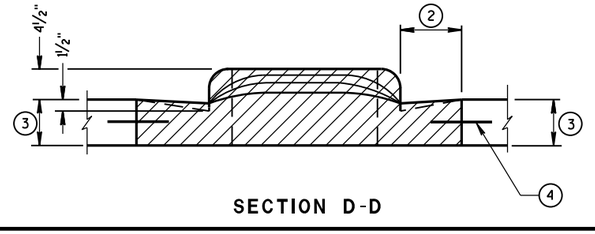


CONCRETE MEDIAN SLOPED NOSE TYPE 2





CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

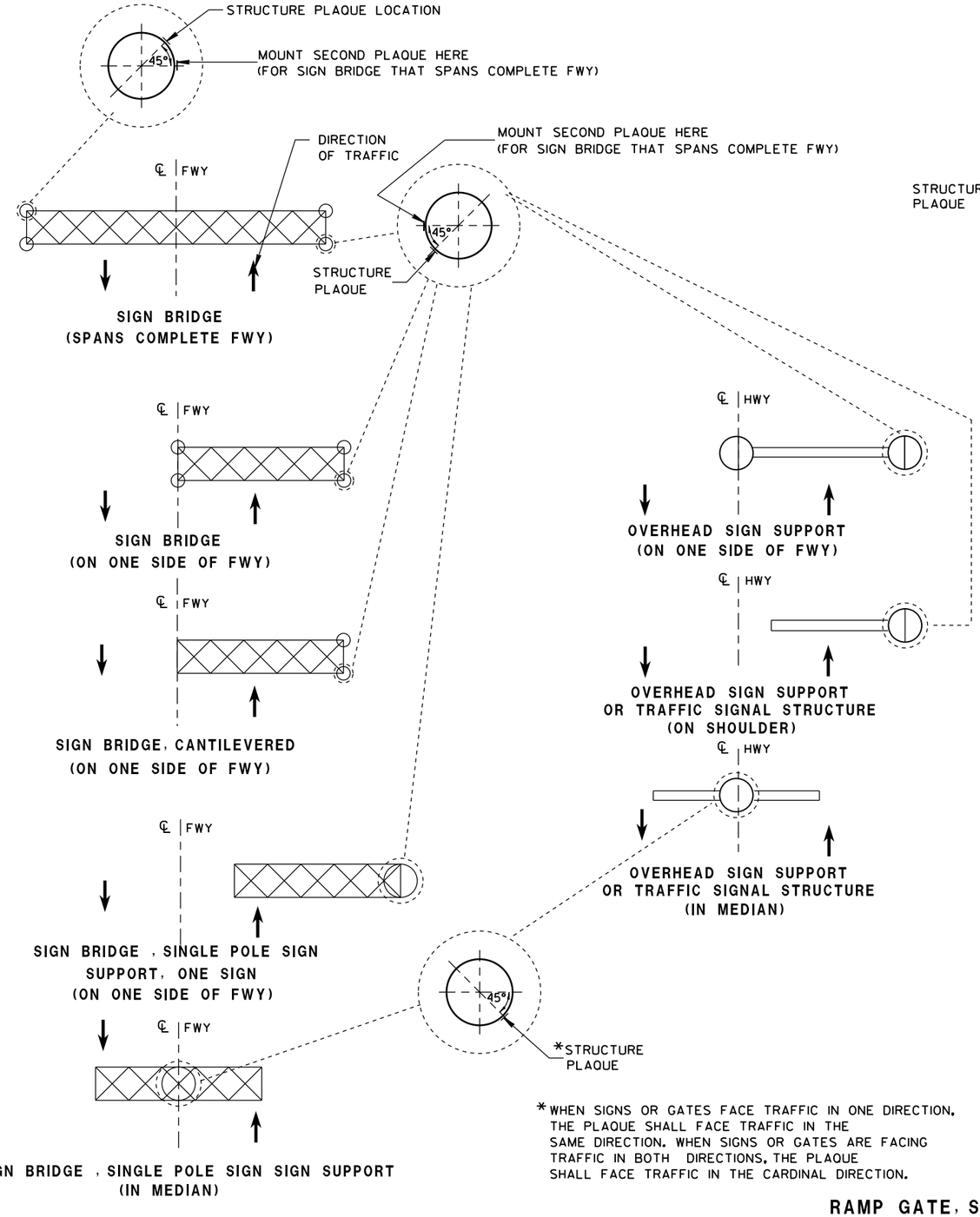
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 11 B 2-2

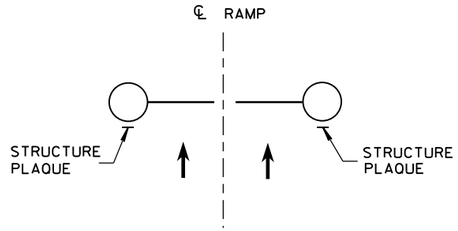
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S.D.D. 11 B 2-2

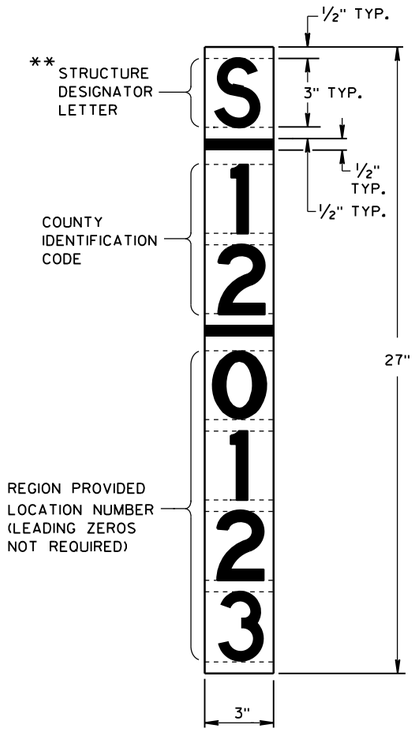


* WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

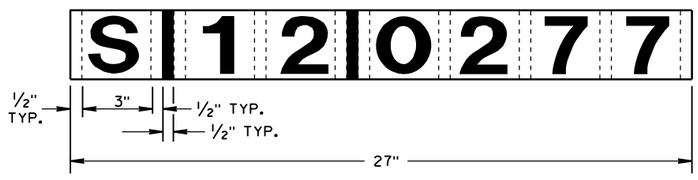
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

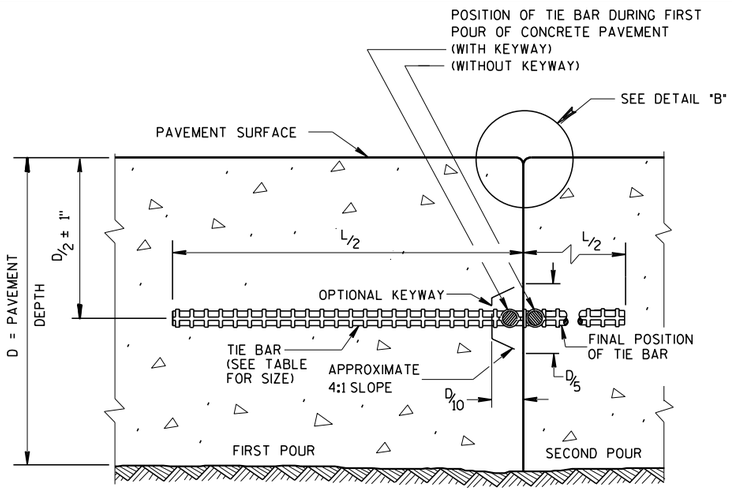
STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

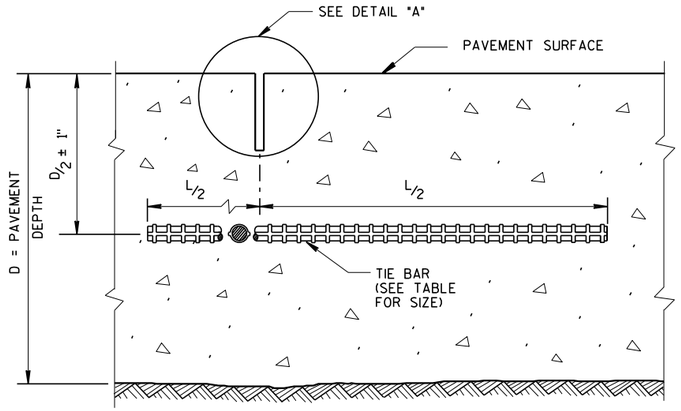
APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 12 A 4-3



CONSTRUCTION JOINT



SAWED JOINT

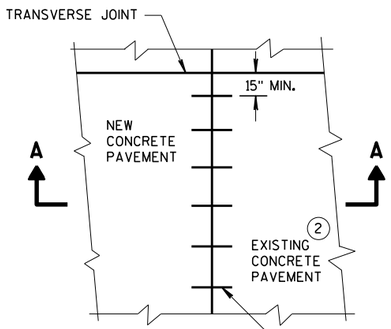
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

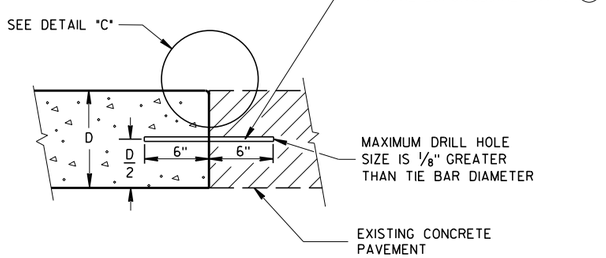
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

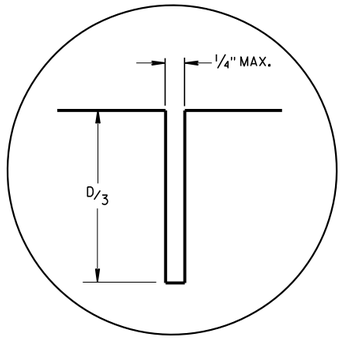


PLAN VIEW

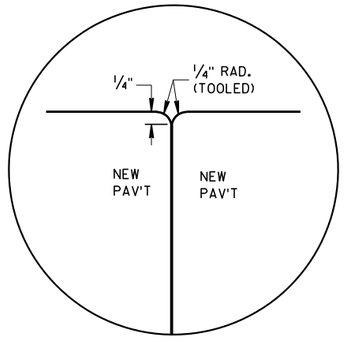


SECTION A-A

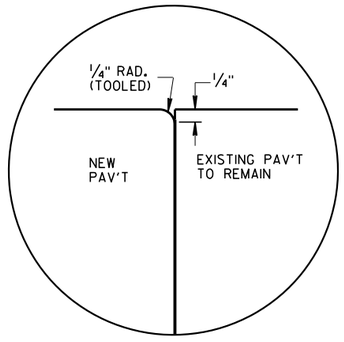
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



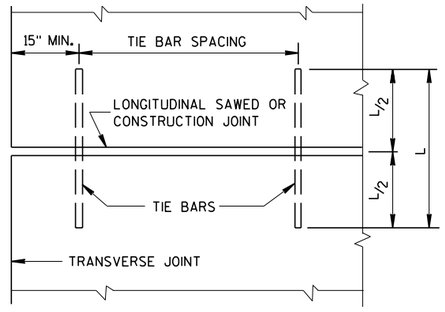
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUPE
FHWA

6
S.D.D. 13 C 1-19

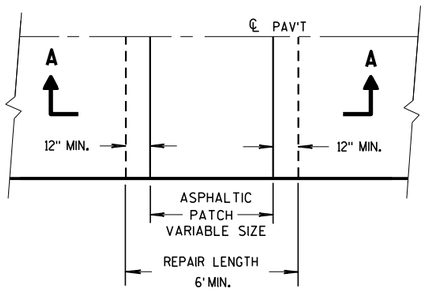
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

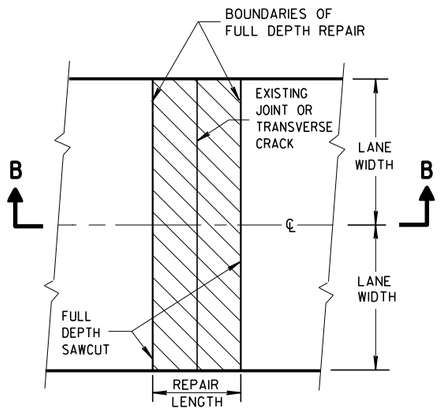
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

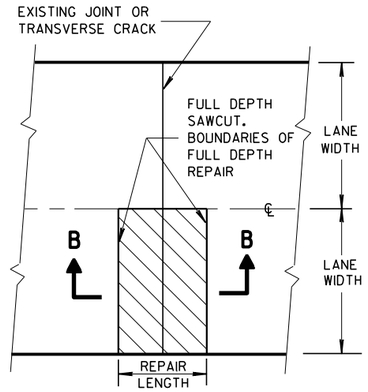
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

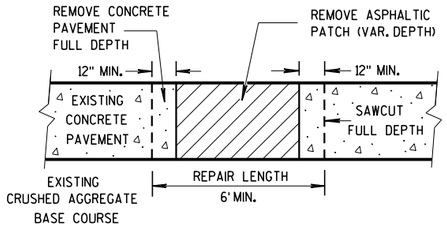


PLAN VIEW
(DOUBLE LANE REPAIR)



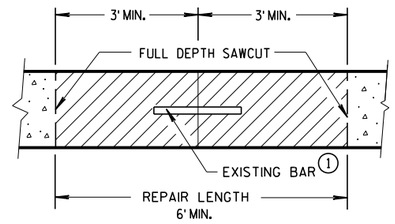
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

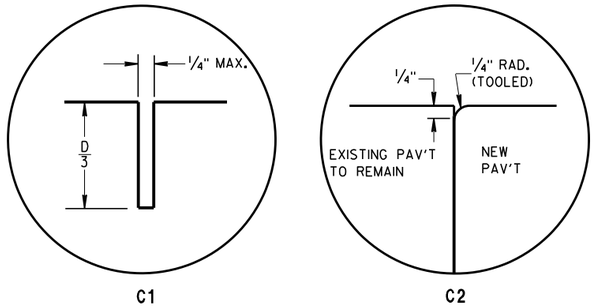
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 13 C 9-15a

6

S.D.D. 13 C 9-15a



C1 C2

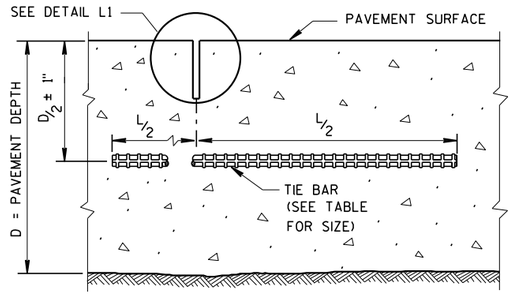
TRANSVERSE JOINTS

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

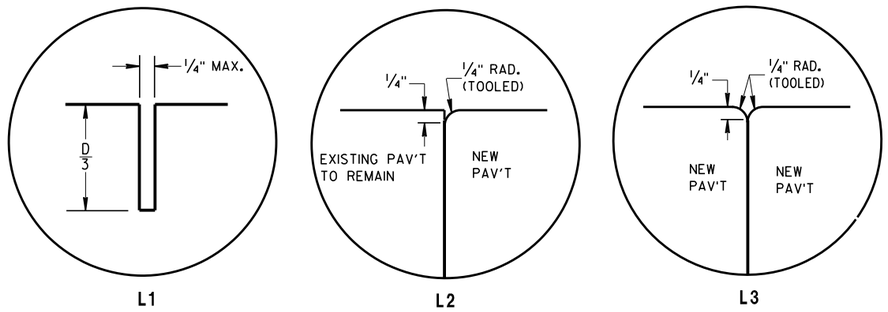
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

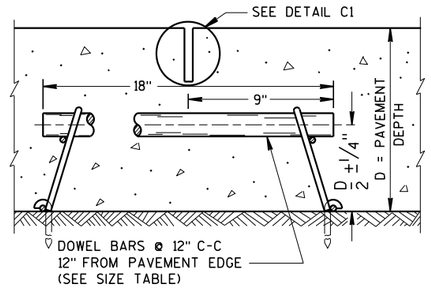
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



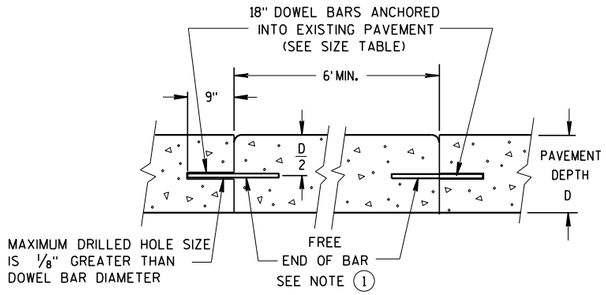
L1 L2 L3

LONGITUDINAL JOINTS

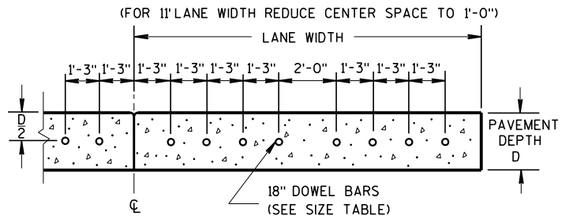


SECTION F-F

CONTRACTION JOINT



SECTION D-D

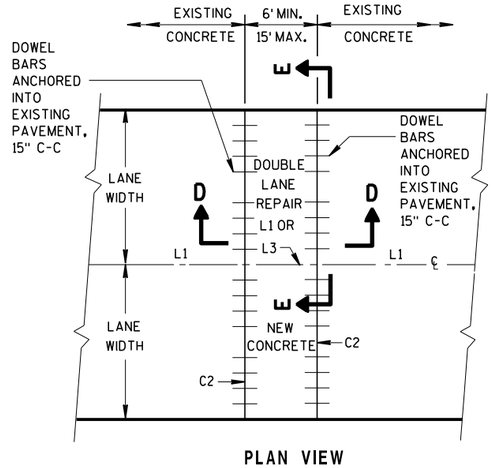


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

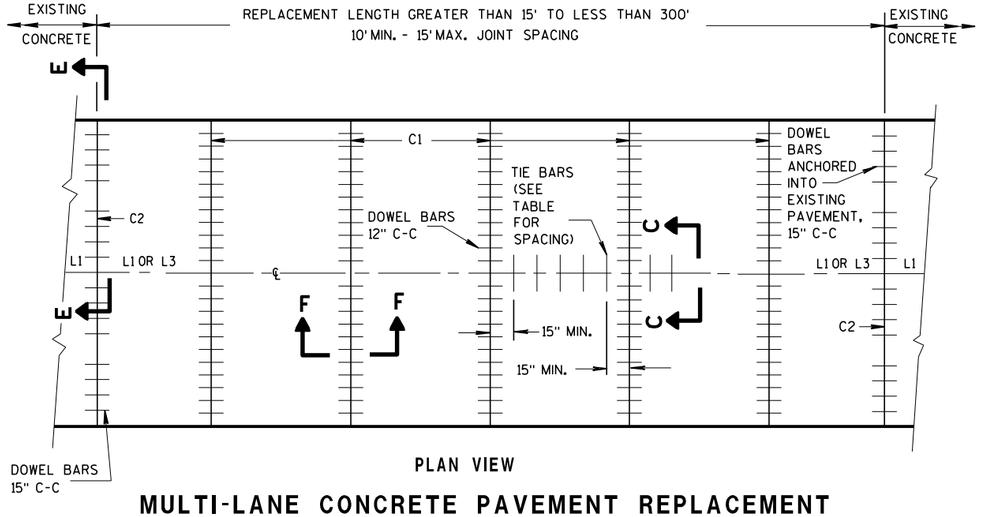
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	NONE	12'
7", 7 1/2"	1"	1"	14'
8", 8 1/2"	1 1/4"	1 1/4"	15'
9", 9 1/2"	1 1/4"	1 1/4"	15'
10" & ABOVE	1 1/2"	1 1/4"	15'



PLAN VIEW

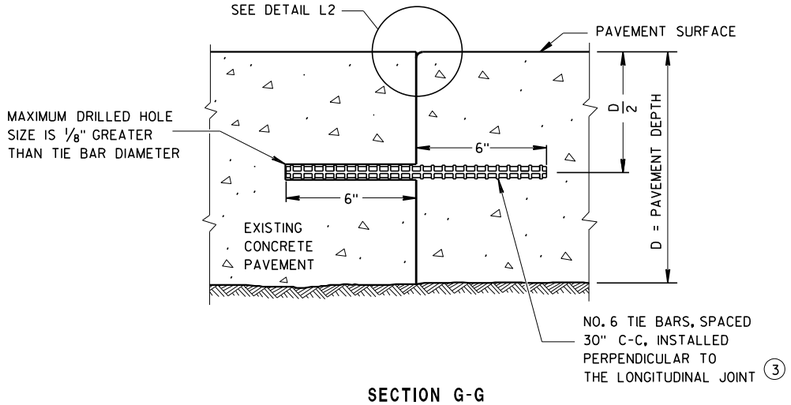
MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT



SECTION G-G

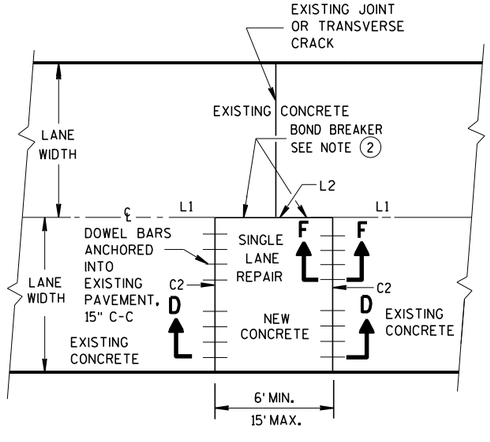
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

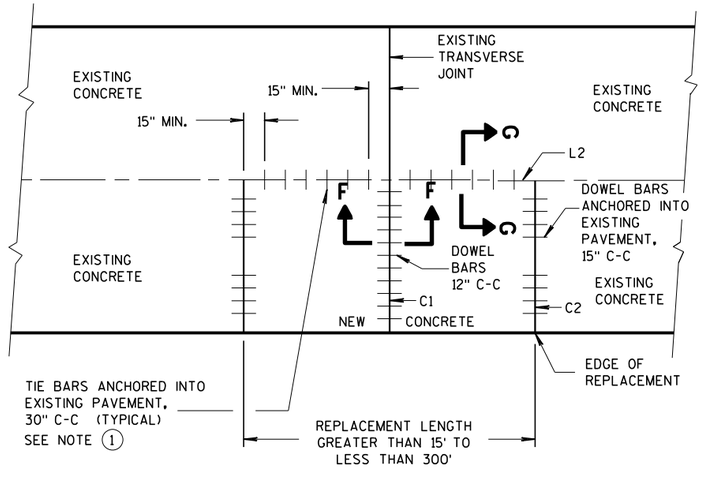
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

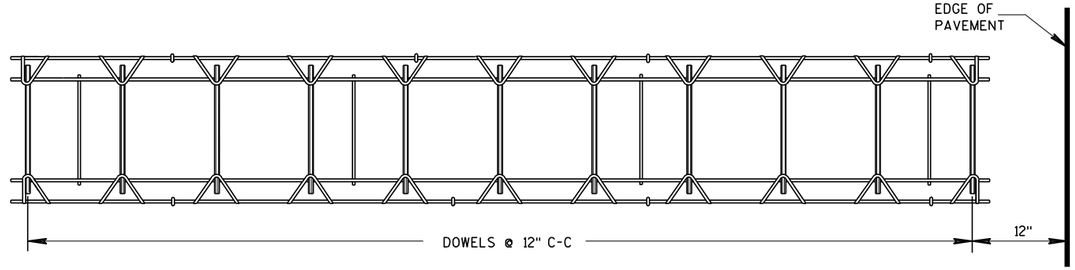
SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Ken... — PAVEMENT SUPE...
FHWA

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PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

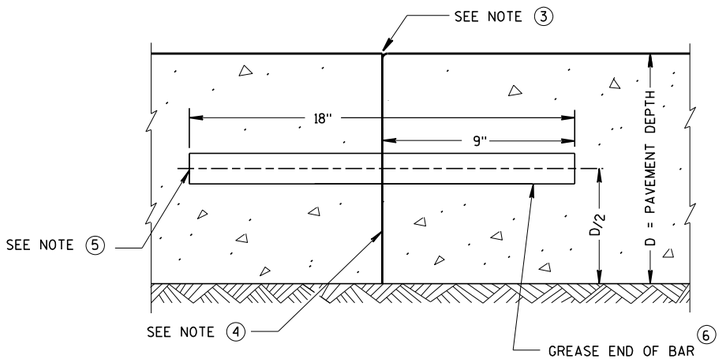
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

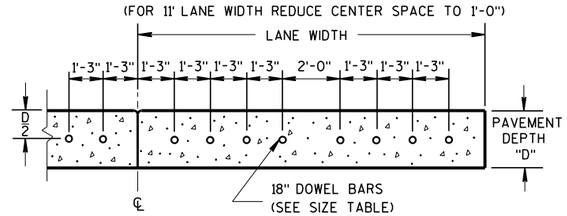
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

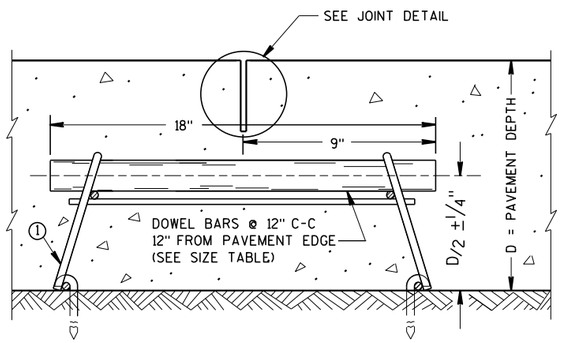
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



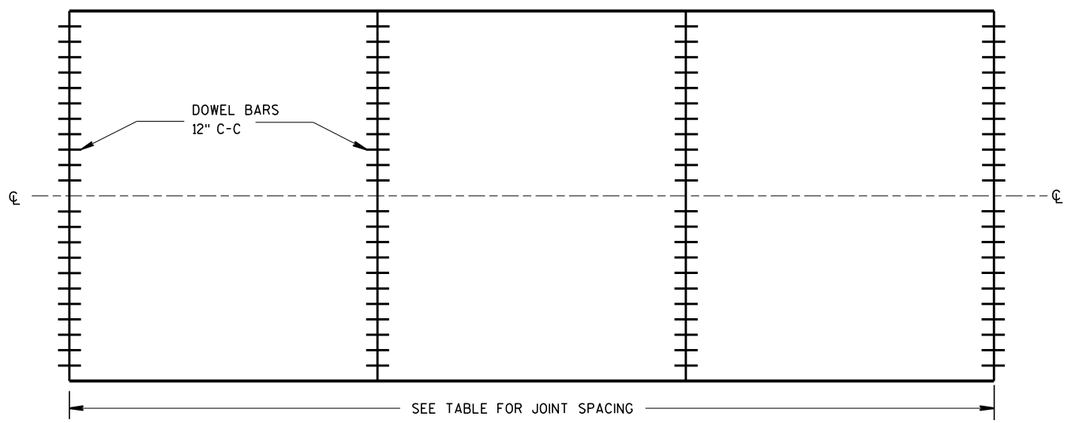
TRANSVERSE CONSTRUCTION JOINT



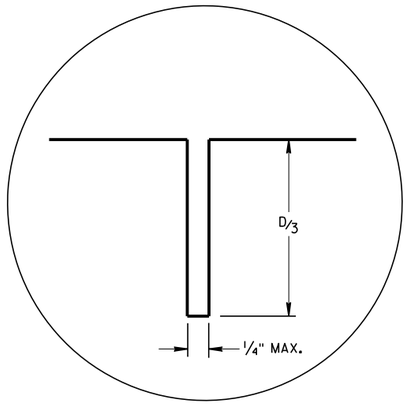
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



JOINT DETAIL

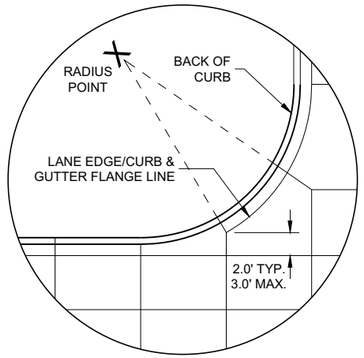
URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

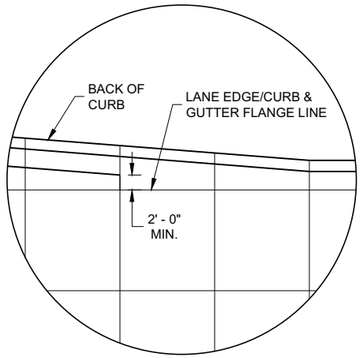
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
FHWA

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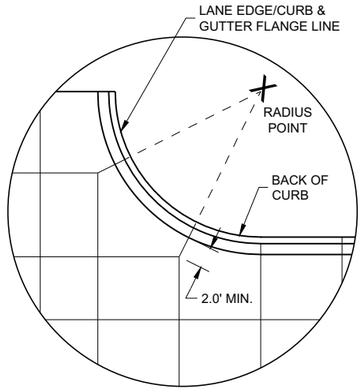
S.D.D. 13 C 13-9



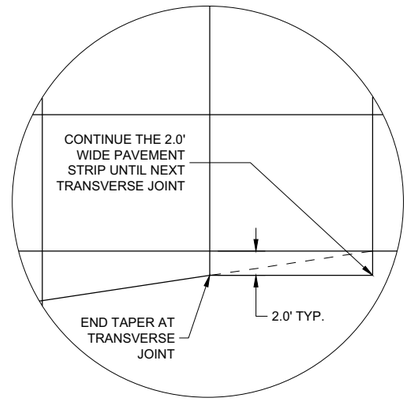
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

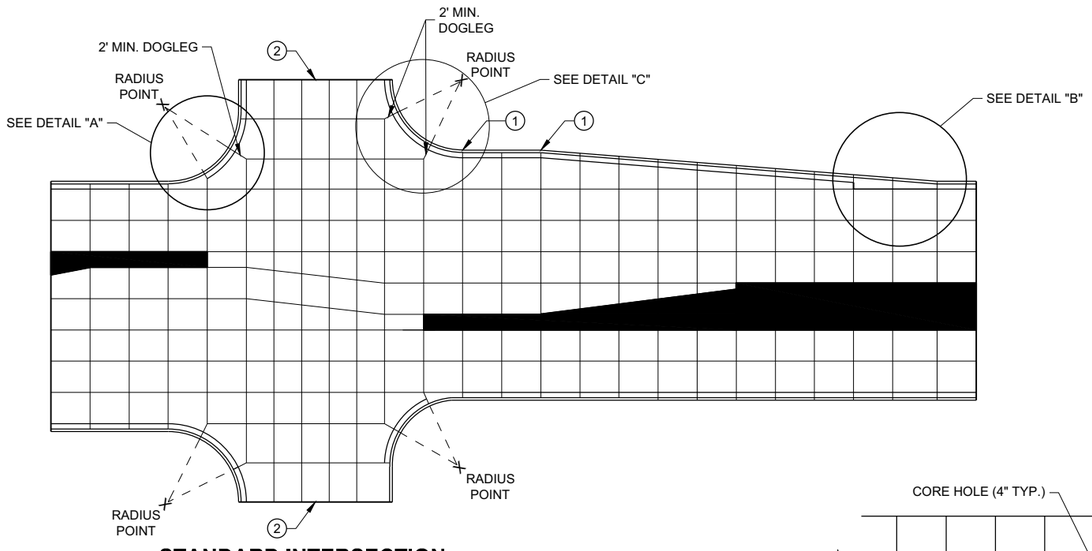
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

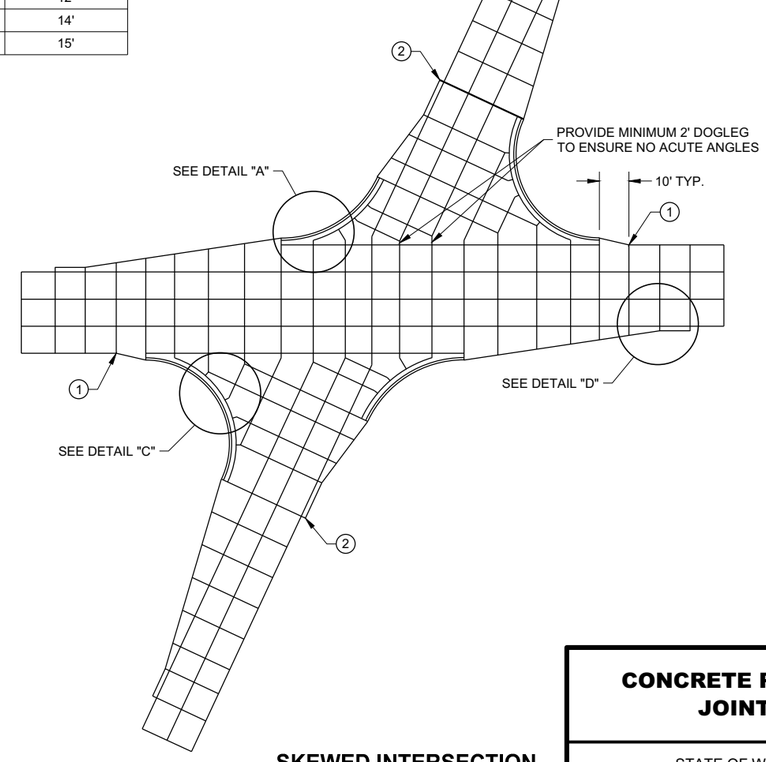
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



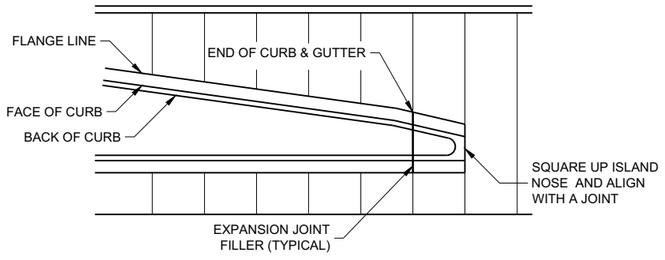
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

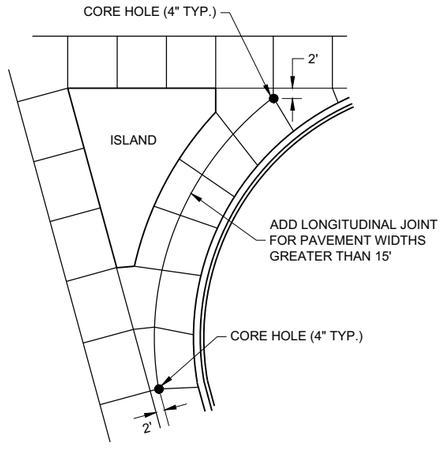
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

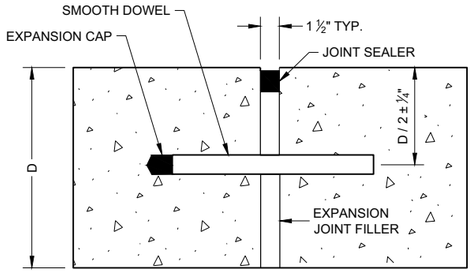
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

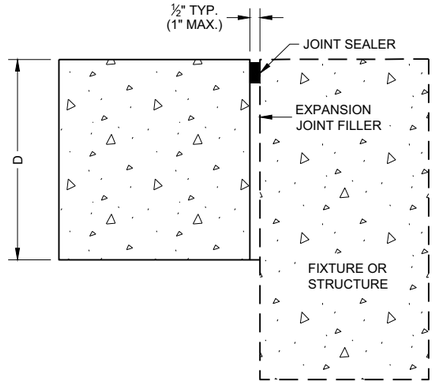
SDD 13C18 - 07a

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SDD 13C18 - 07a



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

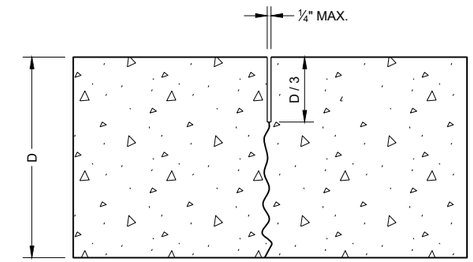
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

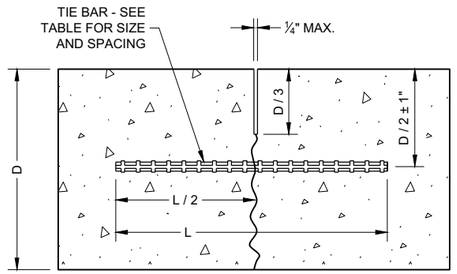
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

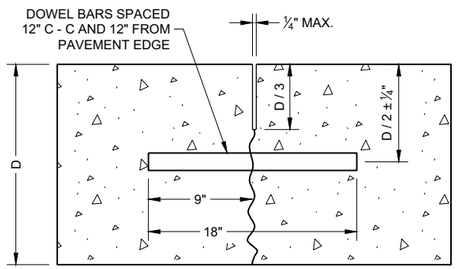
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

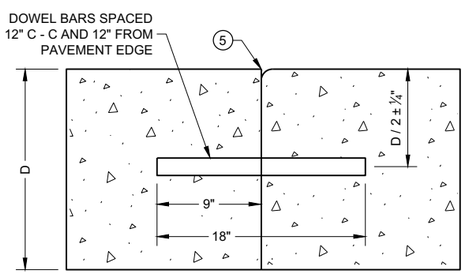


TIED LONGITUDINAL

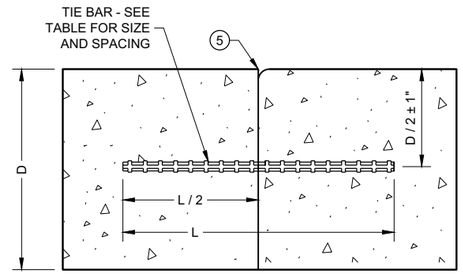


DOWELED TRANSVERSE

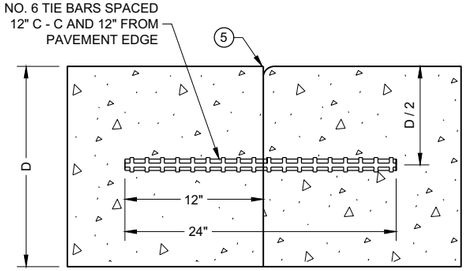
CONTRACTION JOINTS (2)



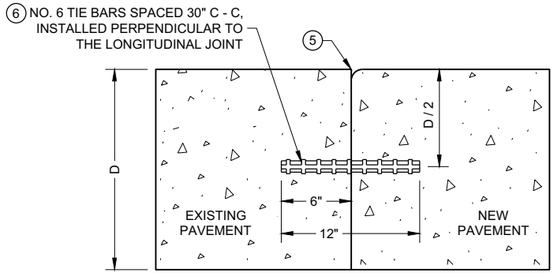
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS (4)

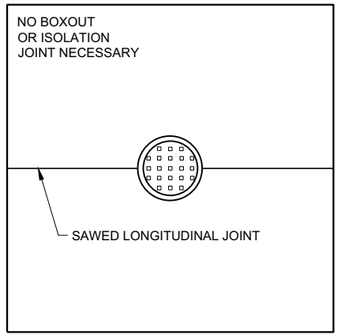
CONCRETE PAVEMENT JOINT TYPES

STATE OF WISCONSIN
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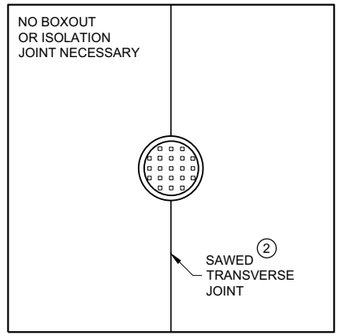
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SDD 13C18 - 07c

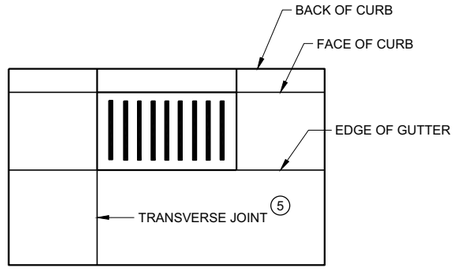
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



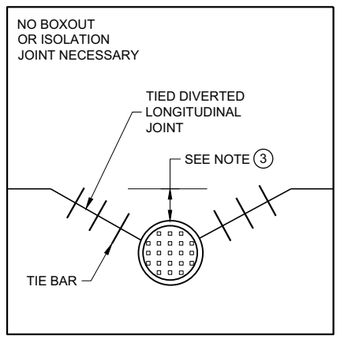
MANHOLE WITH TRANSVERSE JOINT



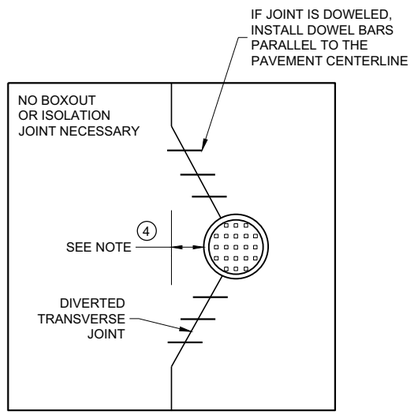
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

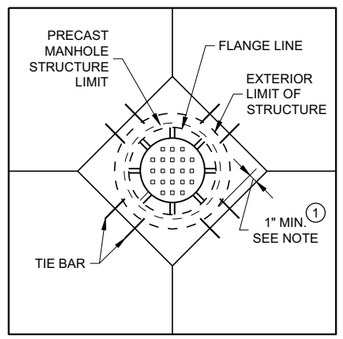
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

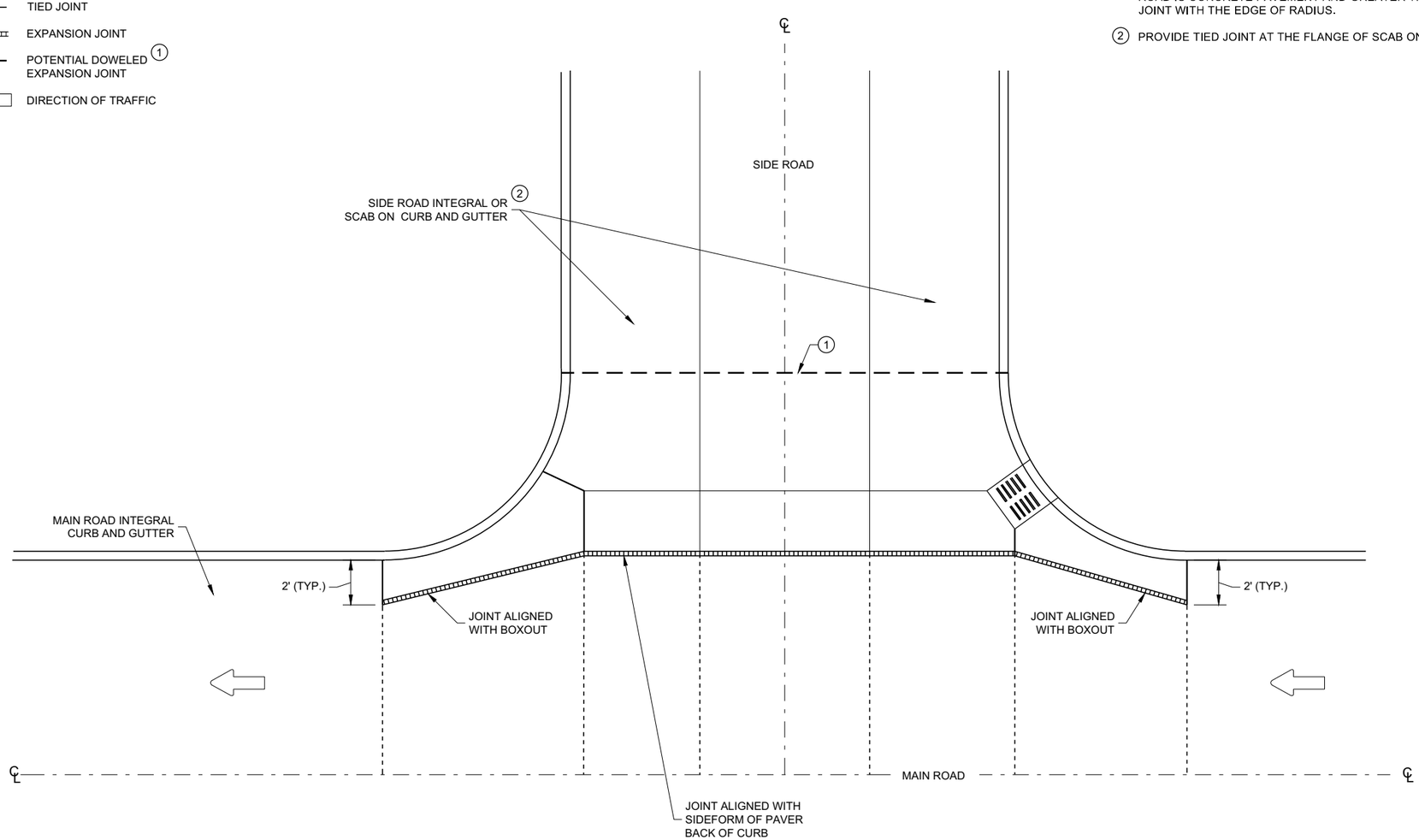
FHWA

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SDD 13C18 - 07d
SDD 13C18 - 07d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT (1)
- DIRECTION OF TRAFFIC



GENERAL NOTES

(1) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH THE EDGE OF RADIUS.

(2) PROVIDE TIED JOINT AT THE FLANGE OF SCAB ON CURB IF SCAB ON CURB AND GUTTER IS USE.

INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

CONCRETE PAVEMENT INTERSECTION BOXOUT FOR INTEGRAL CURB AND GUTTER

STATE OF WISCONSIN
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November 2018
DATE

/S/ Peter Kemp P.E.
ROADWAY STANDARDS DEVE ENGINEER

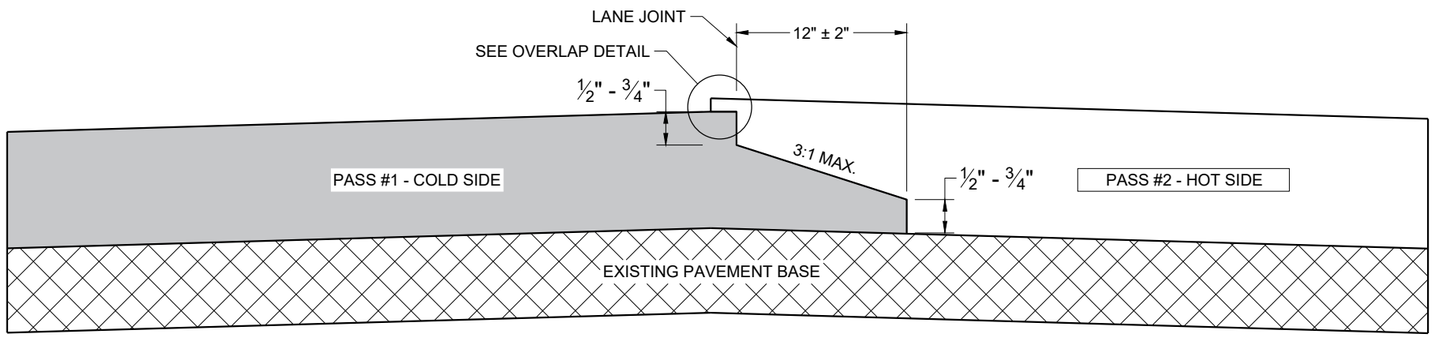
FHWA

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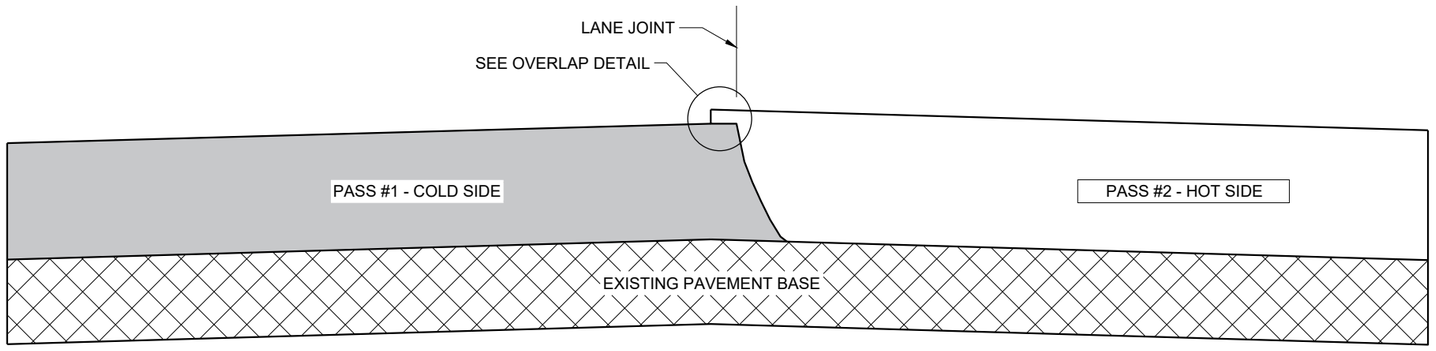
SDD 13C18 - 07f

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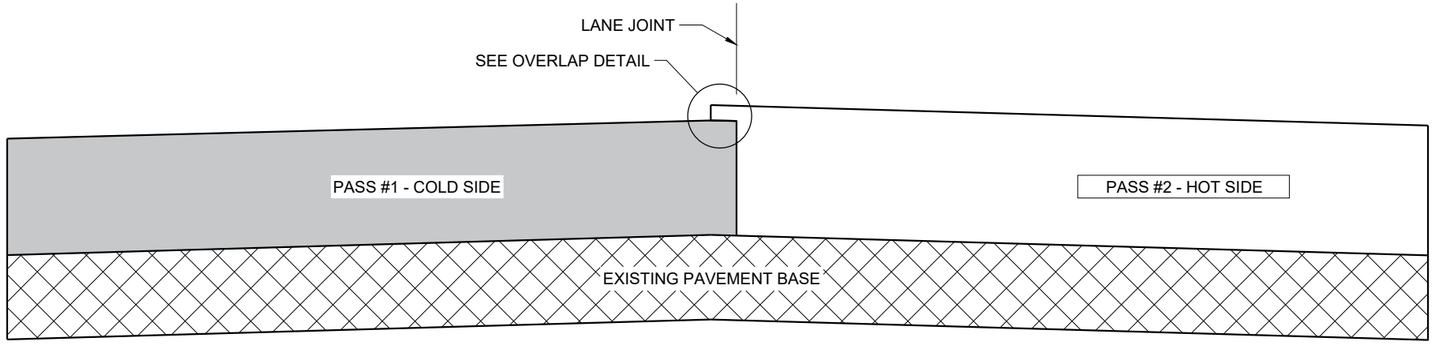
SDD 13C18 - 07f



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

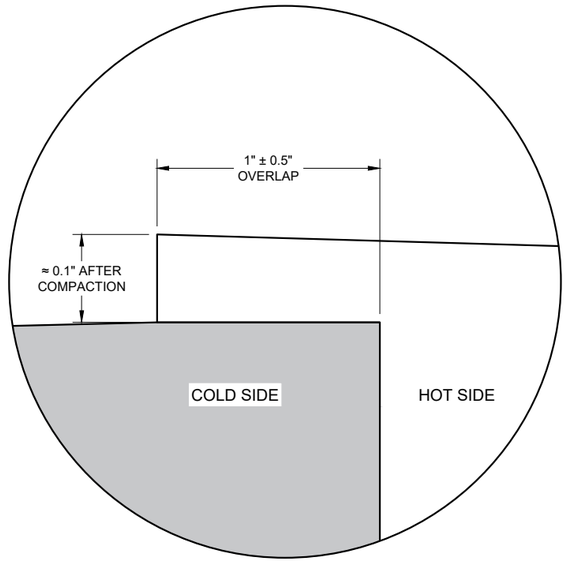
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

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)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

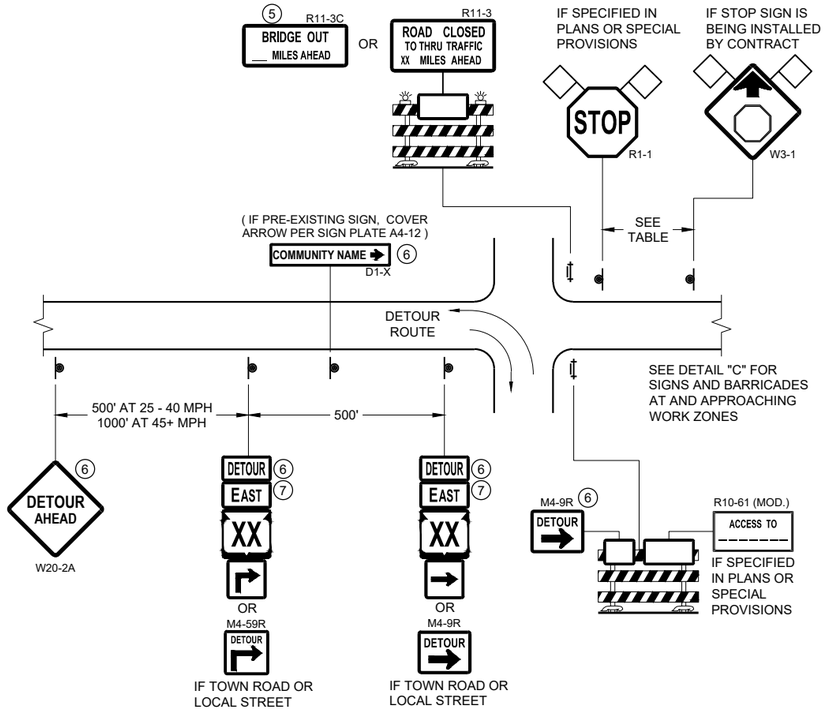
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
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APPROVED
November 2020
DATE

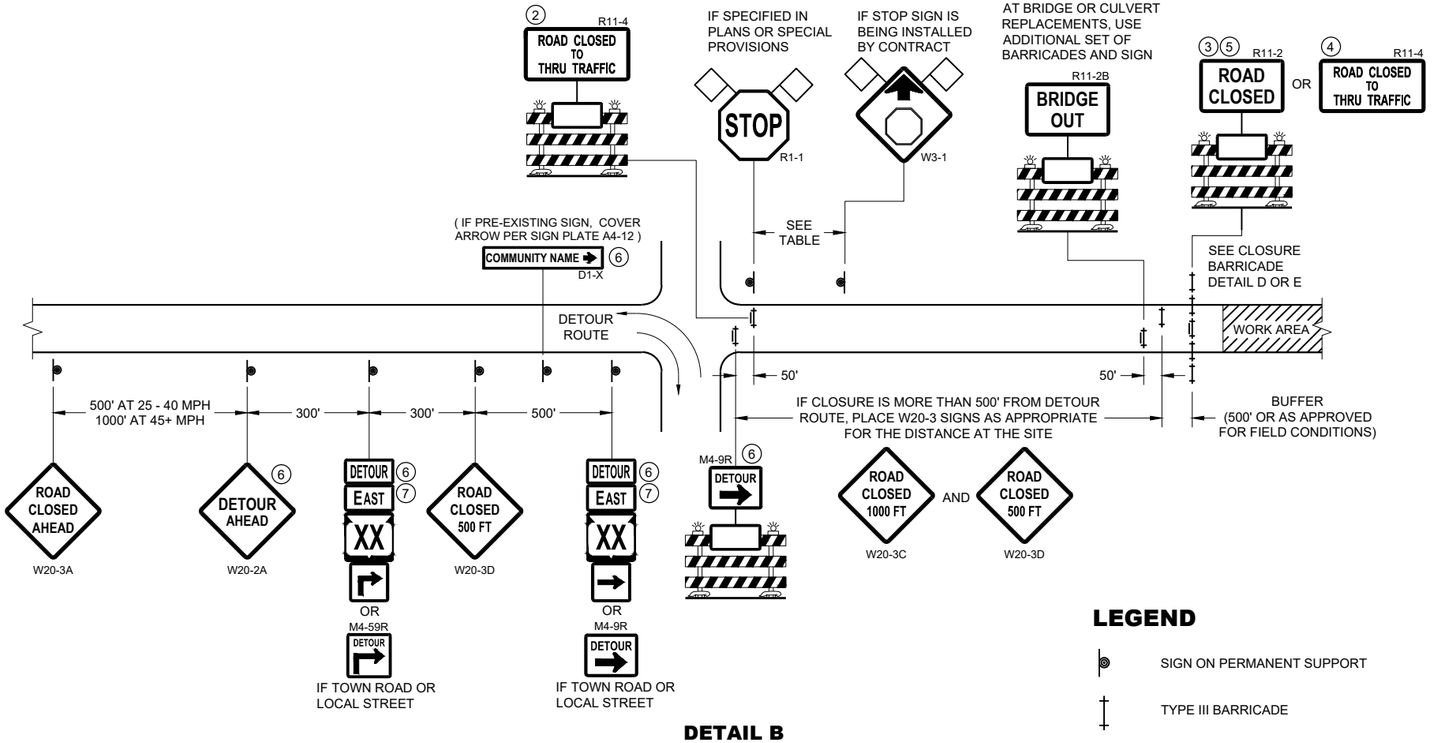
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



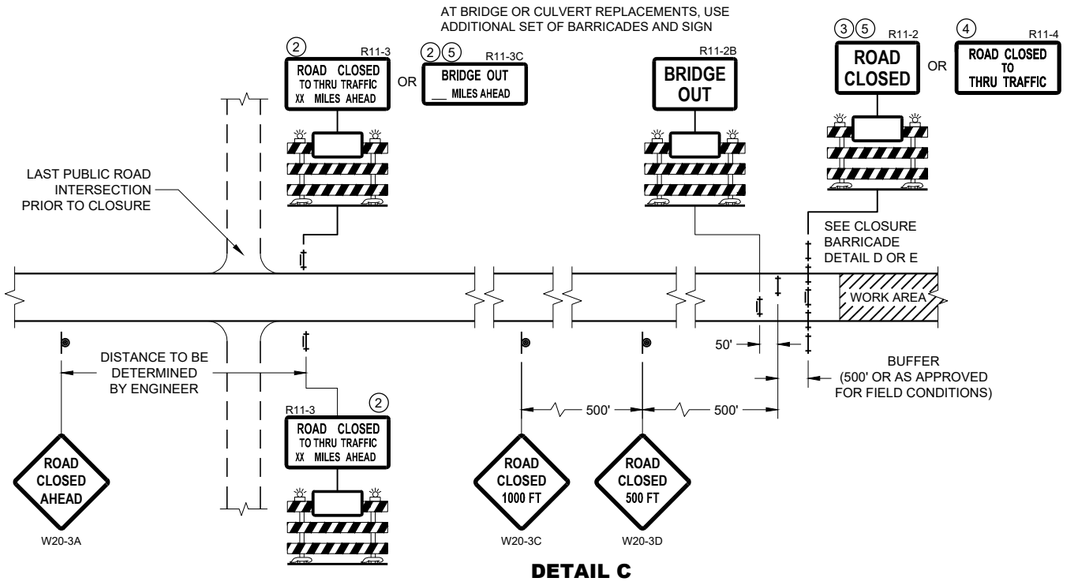
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

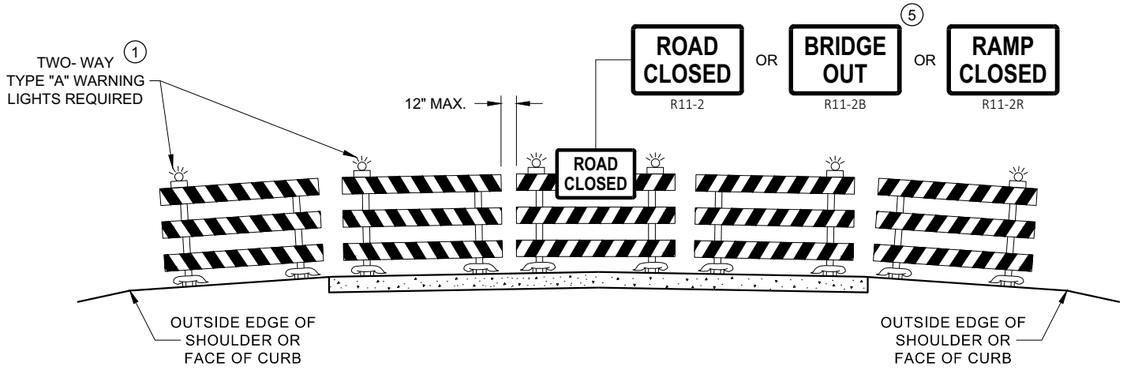
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

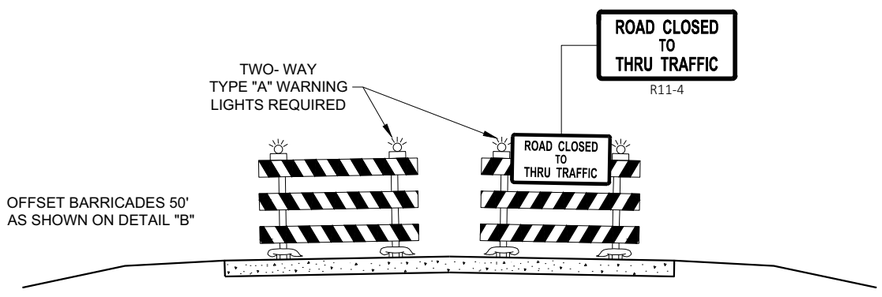
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SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

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SDD 15C02 - 08b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR 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.

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

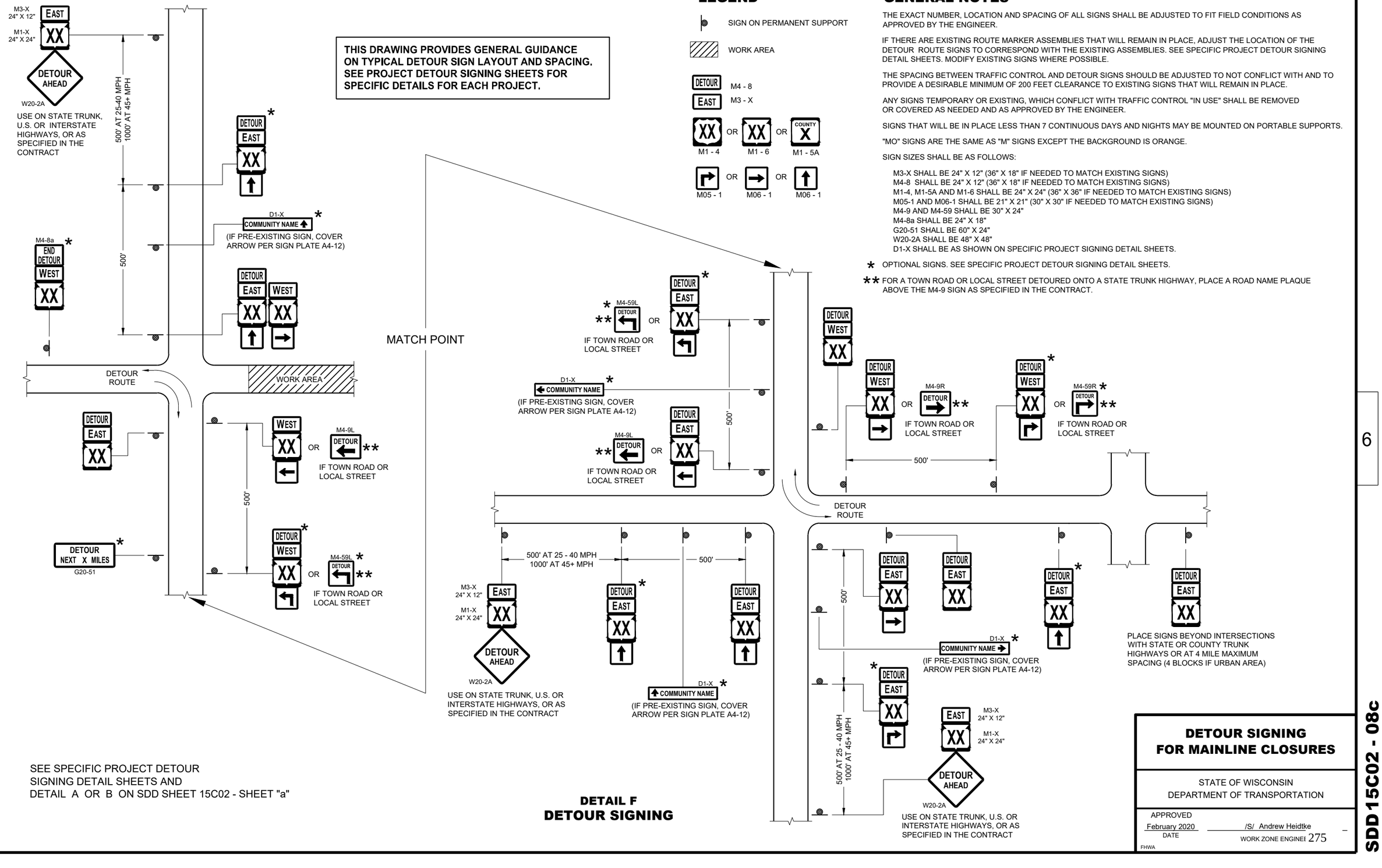
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

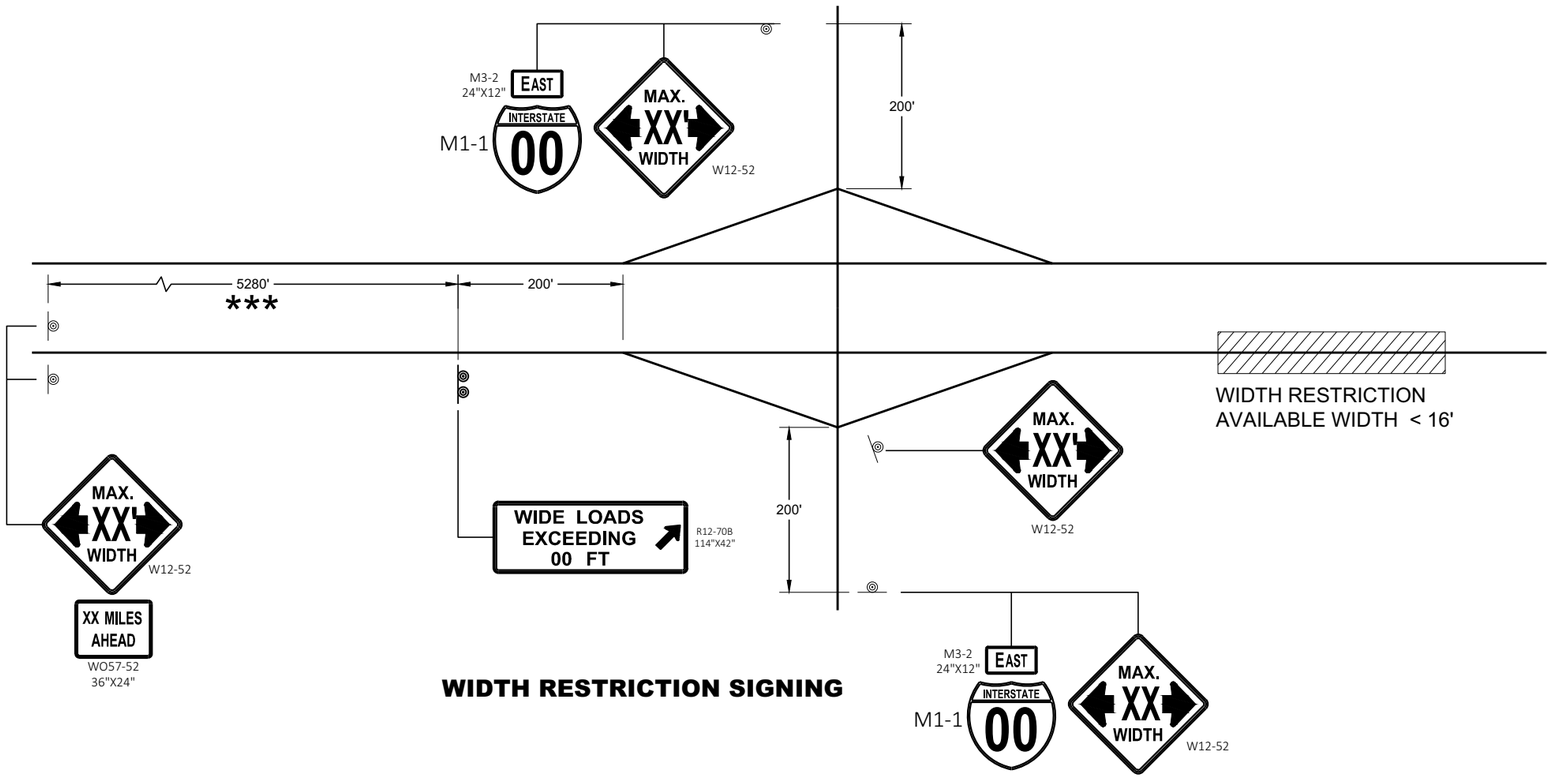
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

SDD 15C02 - 08c

SDD 15C02 - 08c



WIDTH RESTRICTION SIGNING

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.

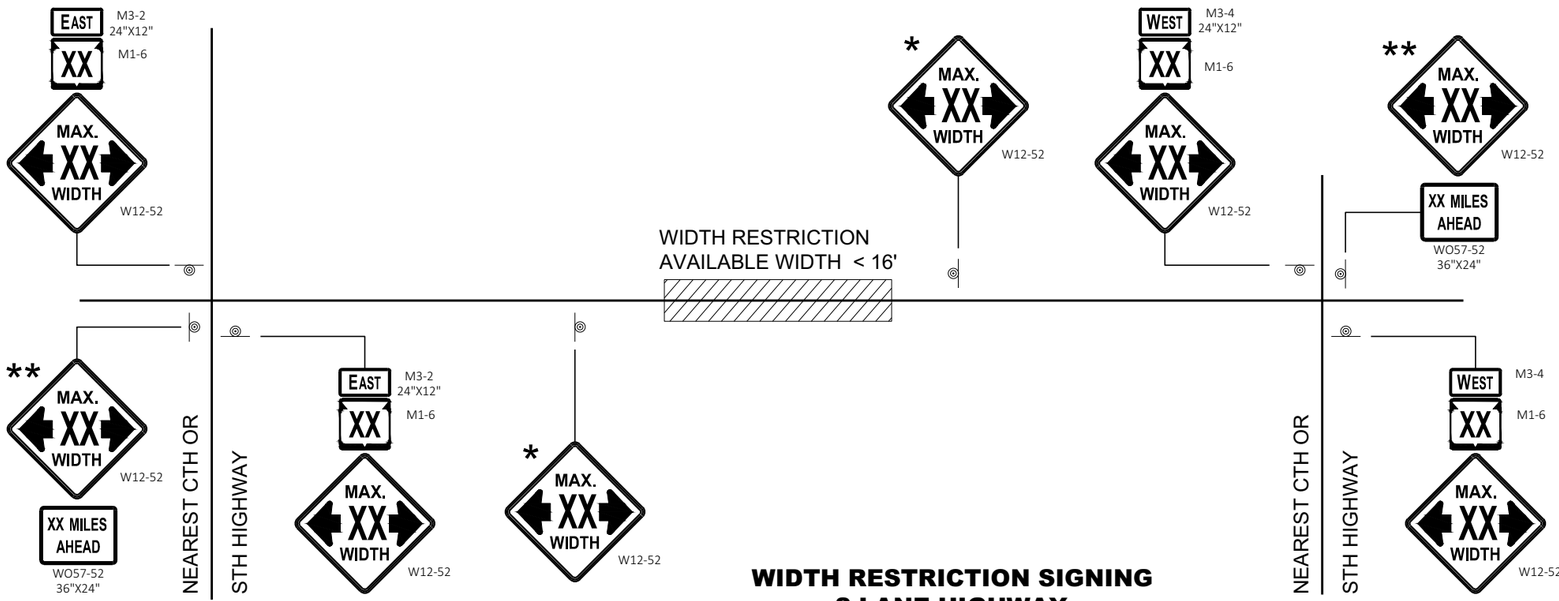
* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** 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



WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY

ADVANCED WIDTH RESTRICTION SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

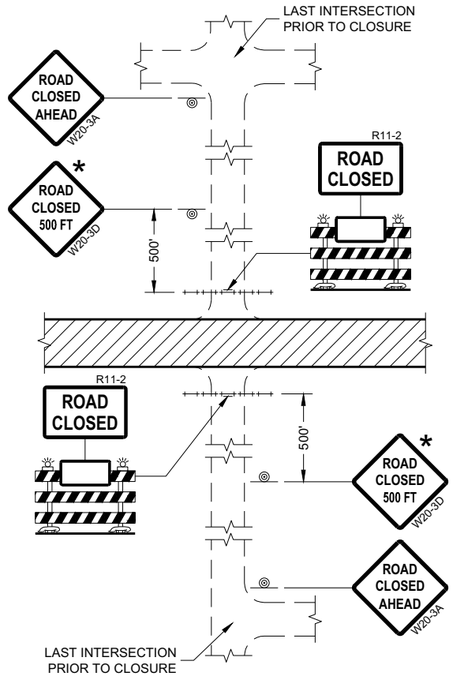
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

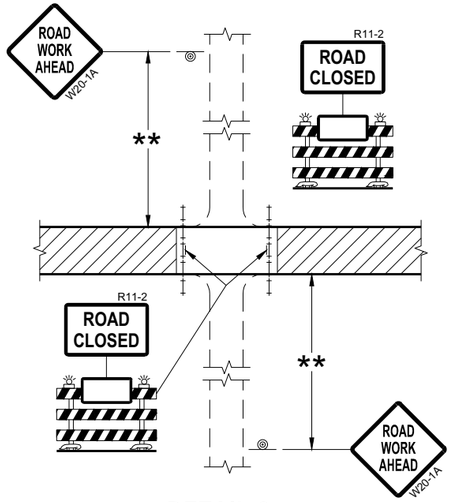
FHWA

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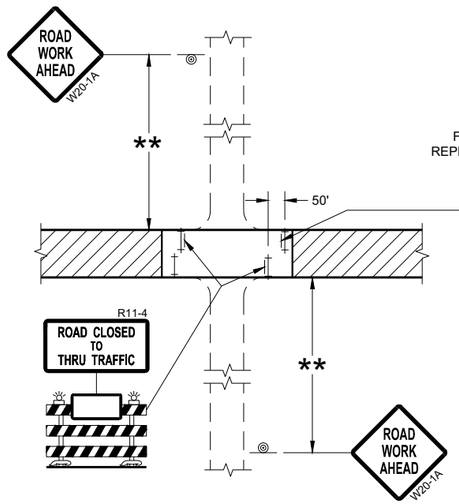
SDD 15C02 - 08f



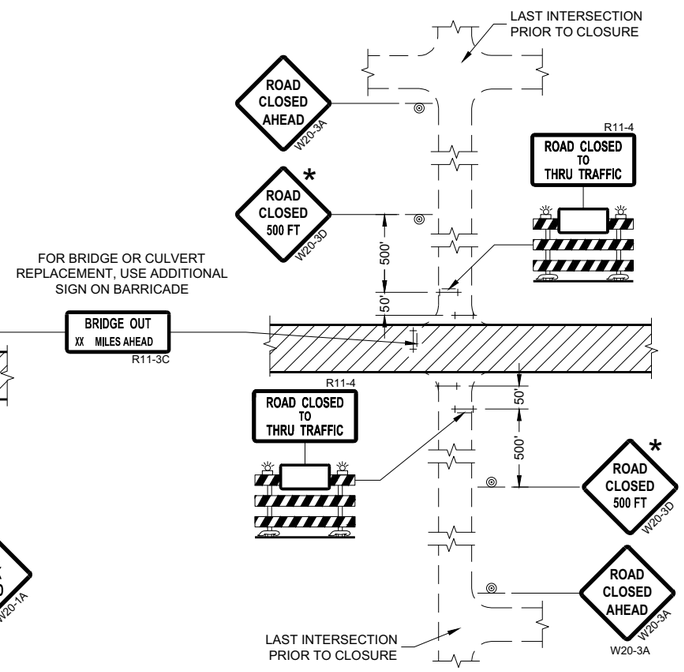
DETAIL 1
(NO ACCESS TO PROJECT)



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
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

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6

SDD 15C03 - 05

GENERAL NOTES

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

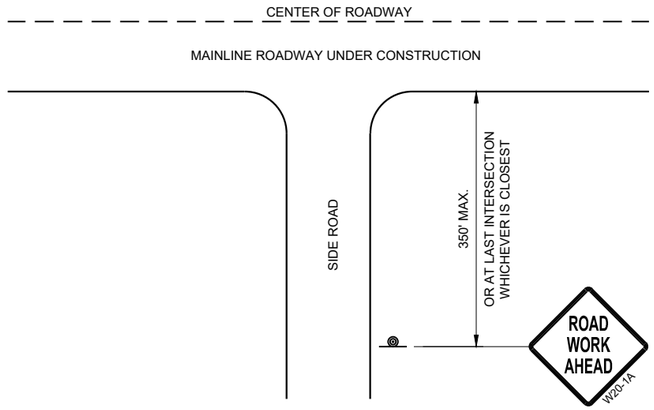
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



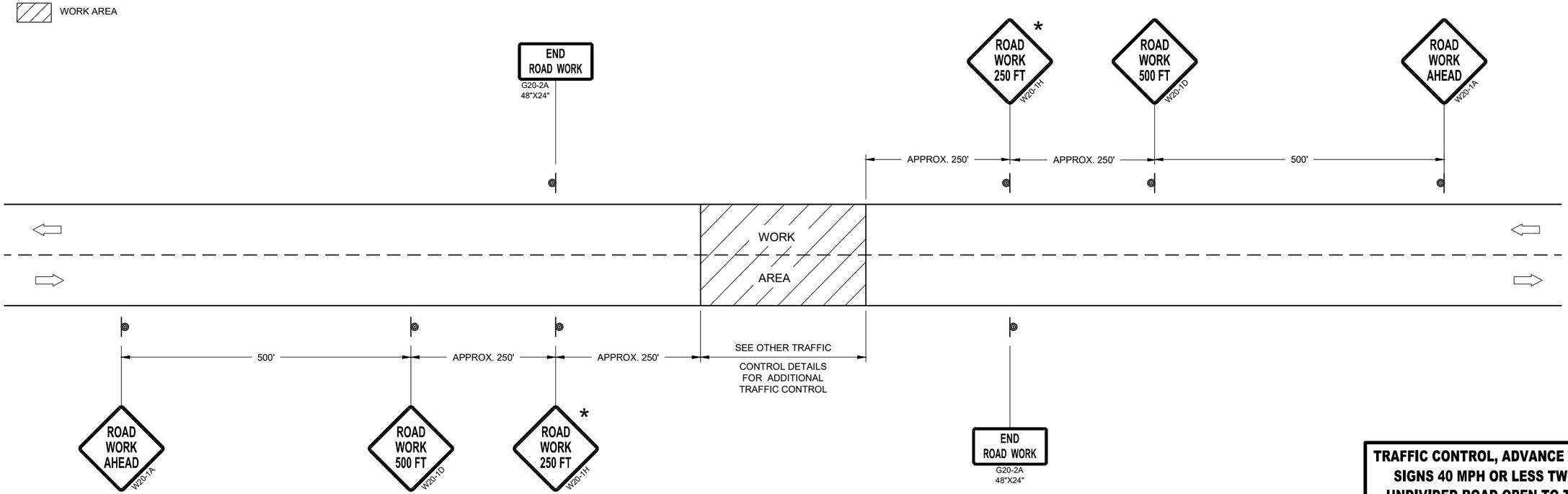
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

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July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

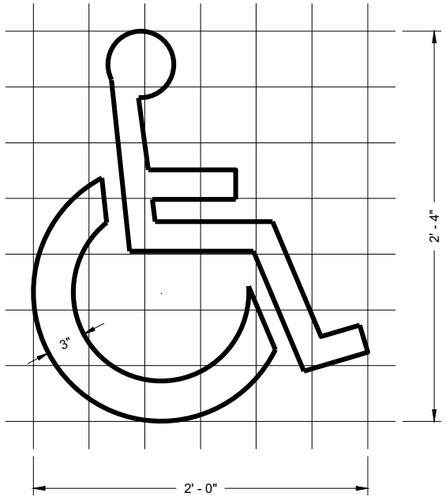
FHWA

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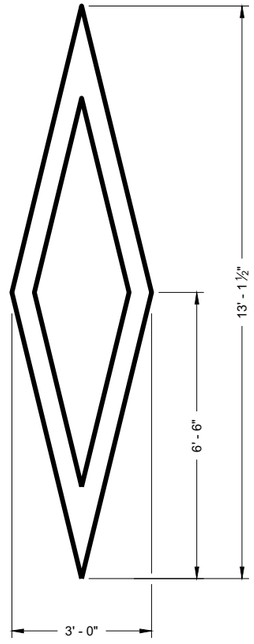
SDD 15C05 - 05

GENERAL NOTES

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



HANDICAP SYMBOL



PREFERENTIAL LANE SYMBOL

6

6

SDD 15C07 - 15a

SDD 15C07 - 15a

PAVEMENT MARKING SYMBOLS

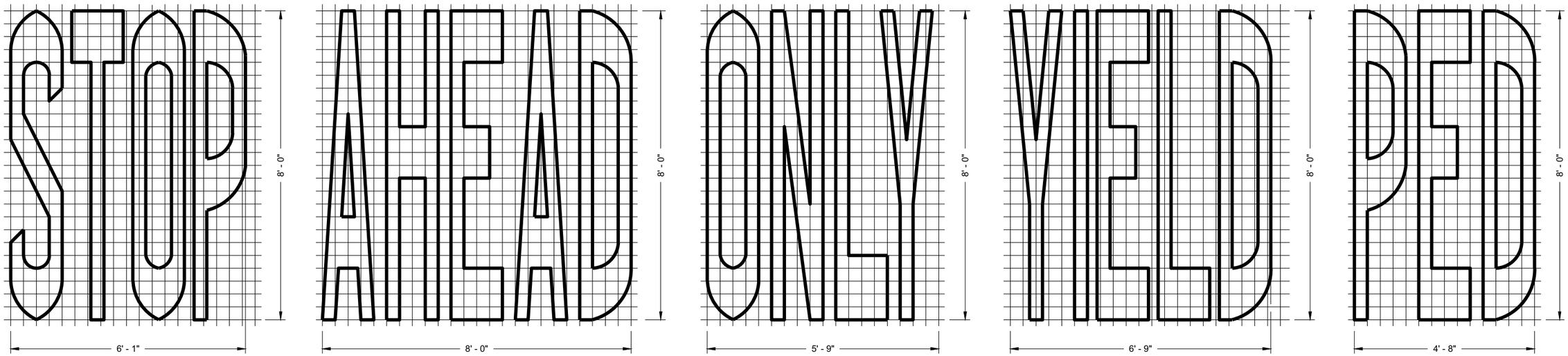
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

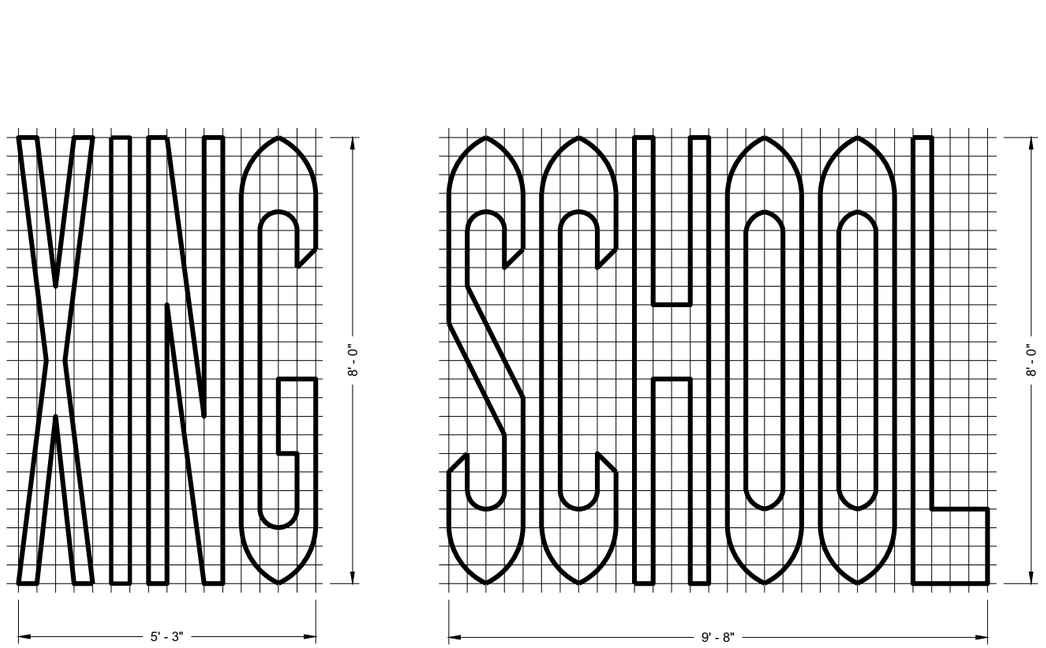
APPROVED

November 2019
DATE

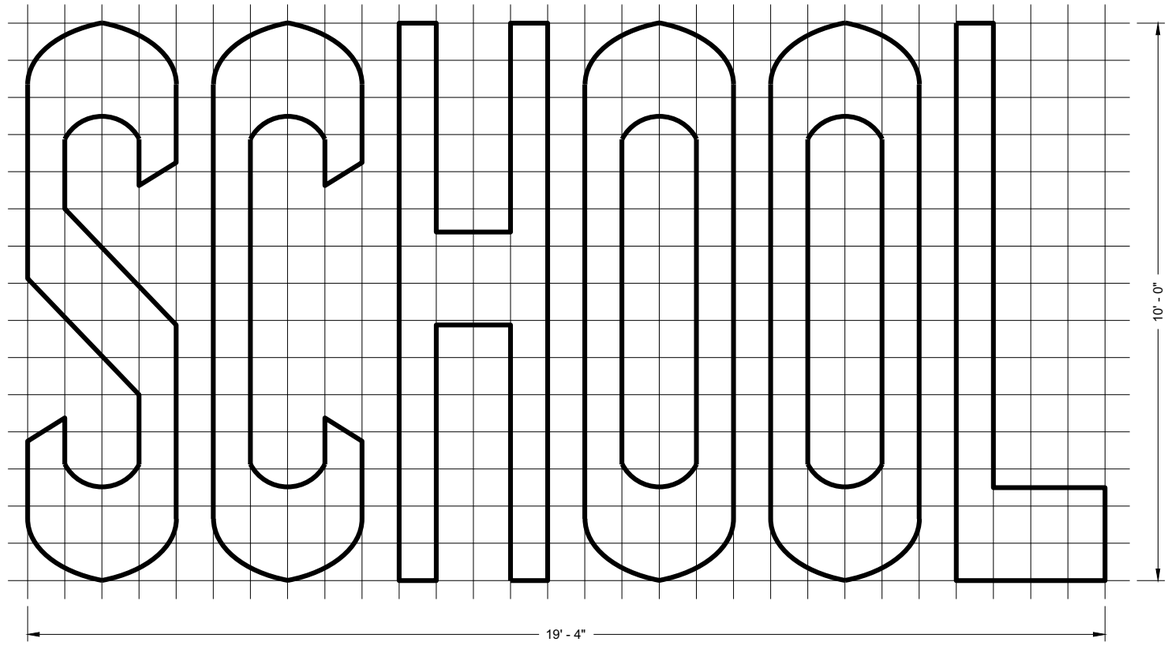
/S/ Matthew Rauch
STATE SIGNING AND MAR ENGINEER

FHWA





SINGLE LANE



TWO - LANE

GENERAL NOTES

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

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

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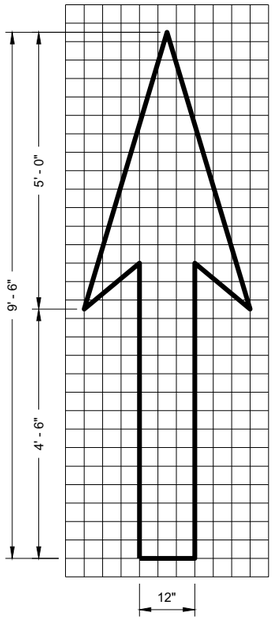
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SDD 15C07 - 15b

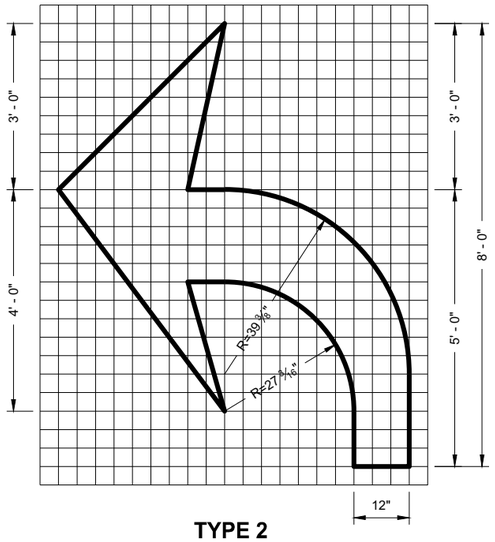
SDD 15C07 - 15b

GENERAL NOTES

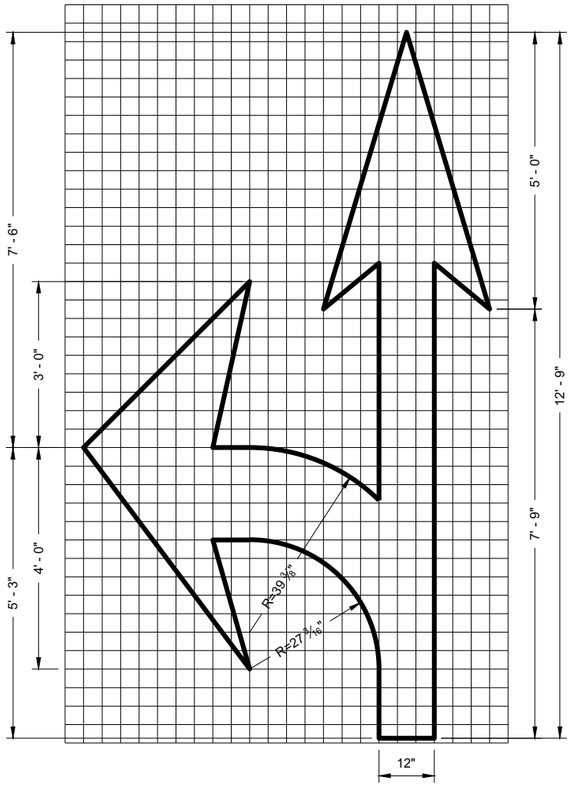
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



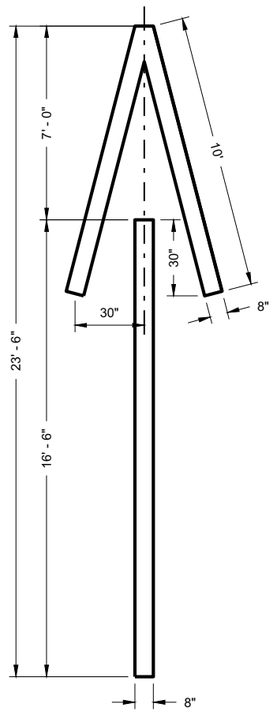
TYPE 1



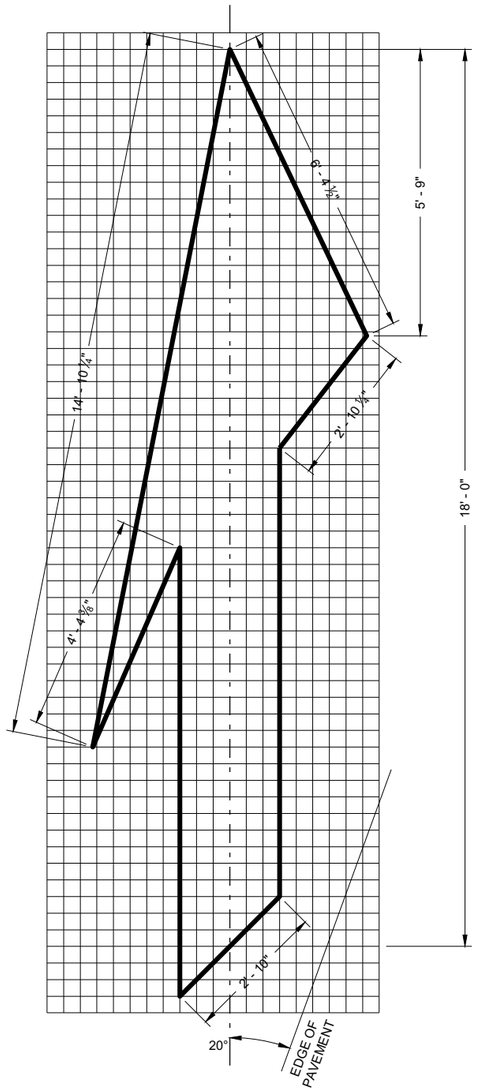
TYPE 2



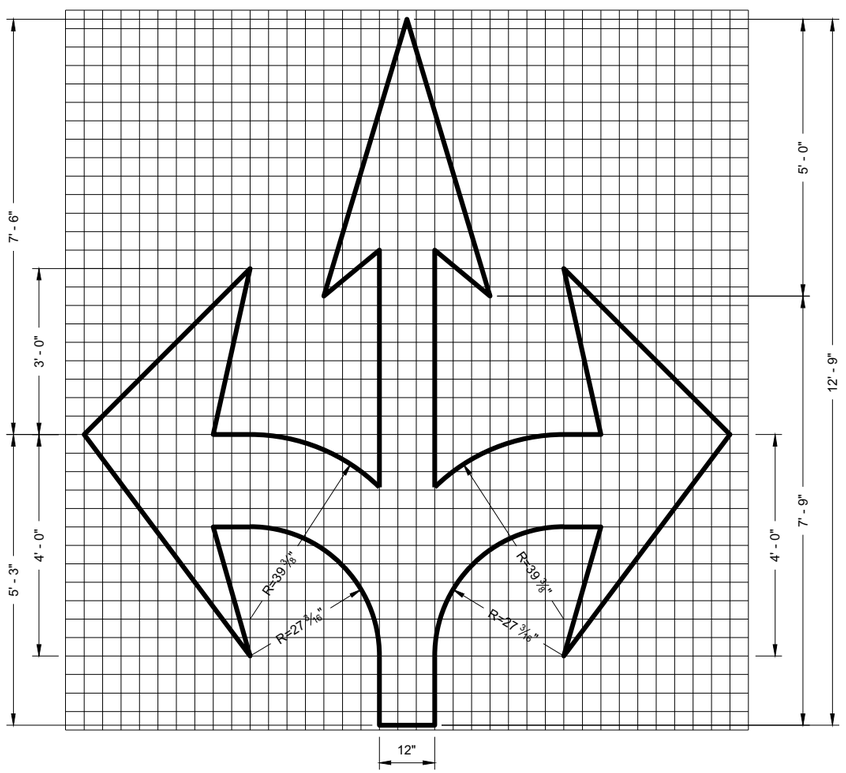
TYPE 3



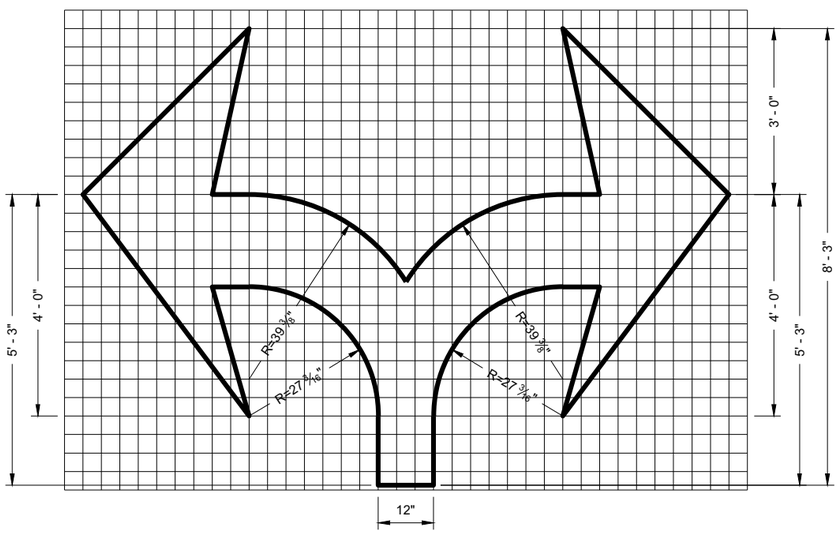
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

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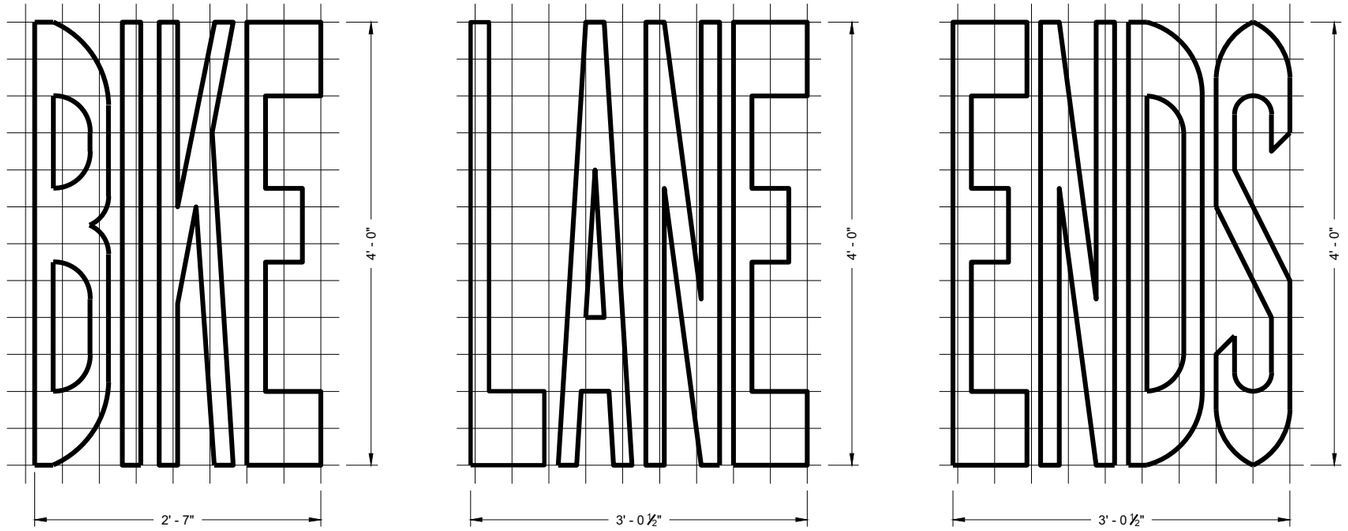
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SDD 15C07 - 15c

6

SDD 15C07 - 15c

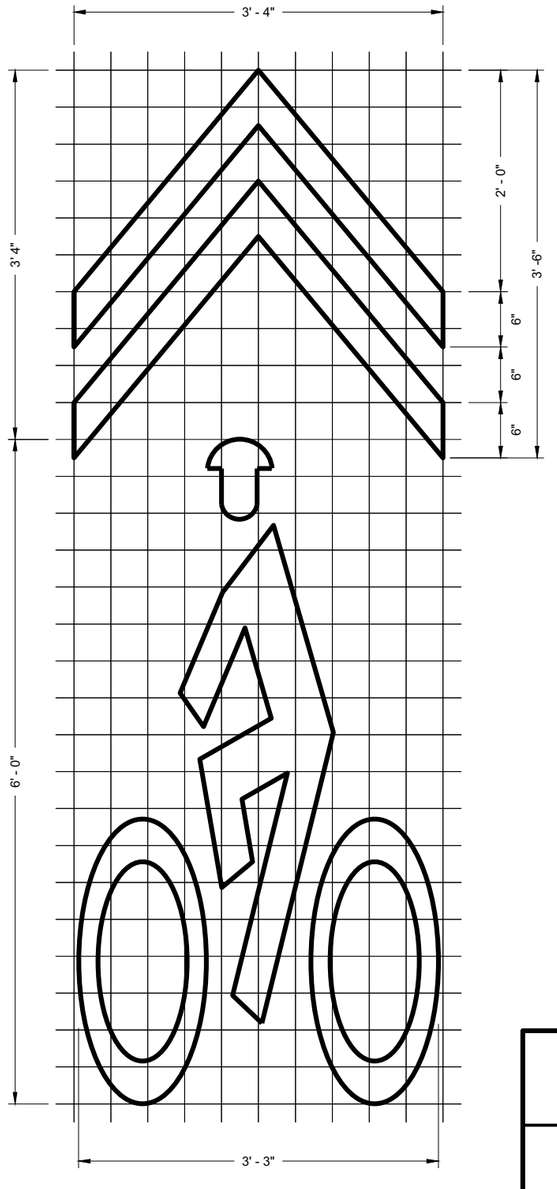
SDD 15C7-e Pavement Marking For Bike Lanes

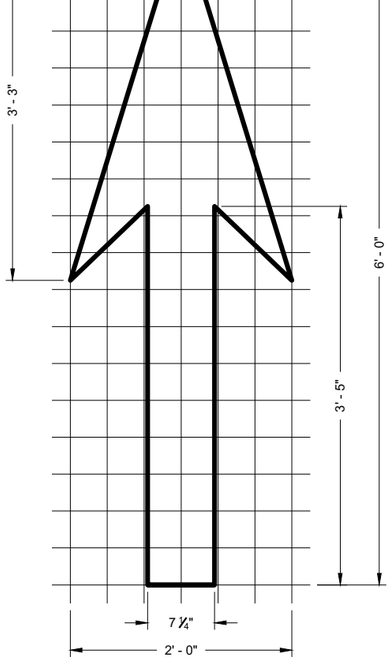


BIKE LANE WORDS

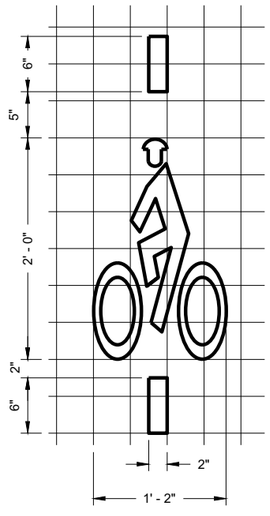
GENERAL NOTES

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

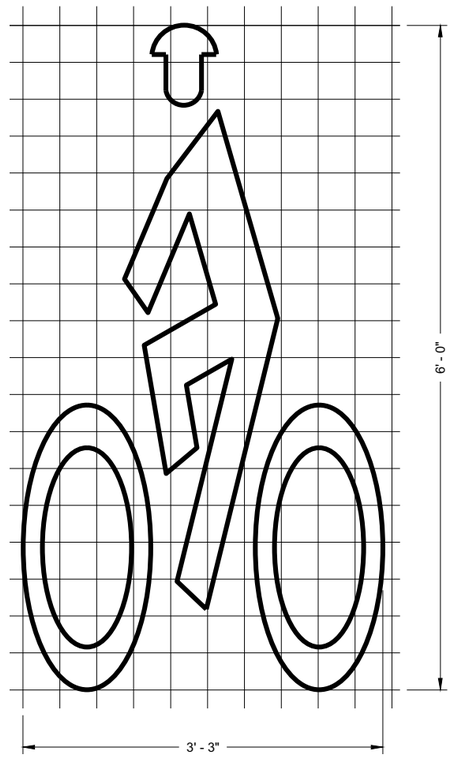




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

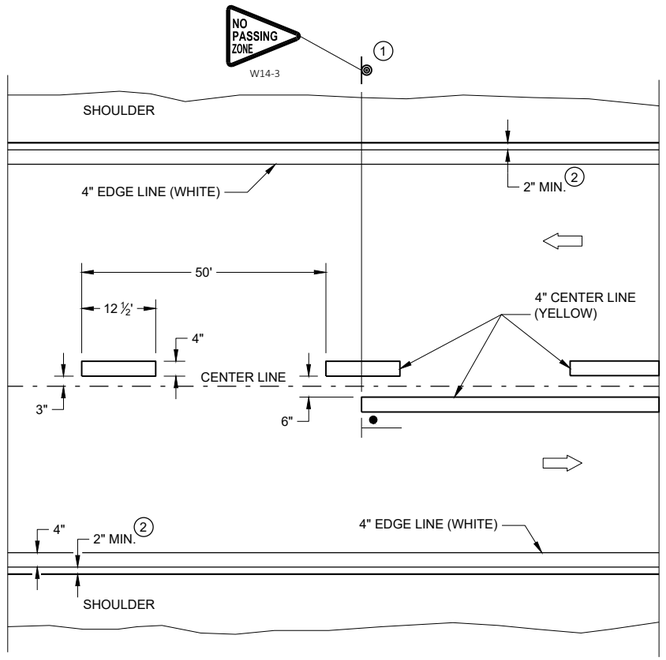
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

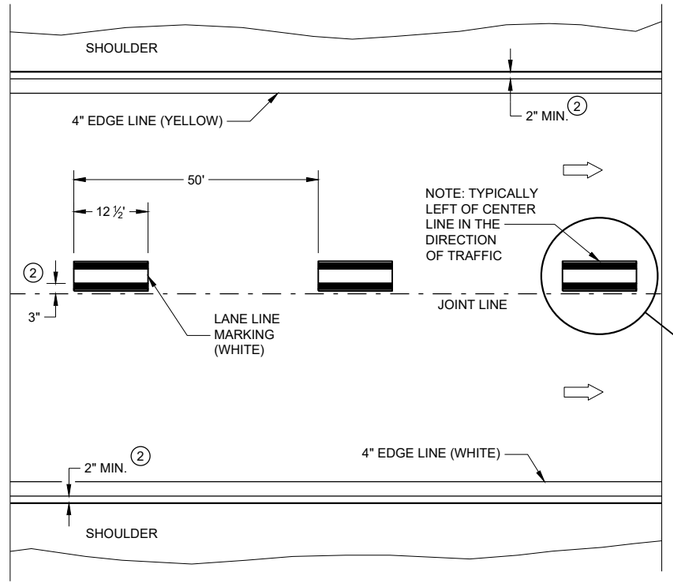
FHWA

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SDD 15C07 - 15e

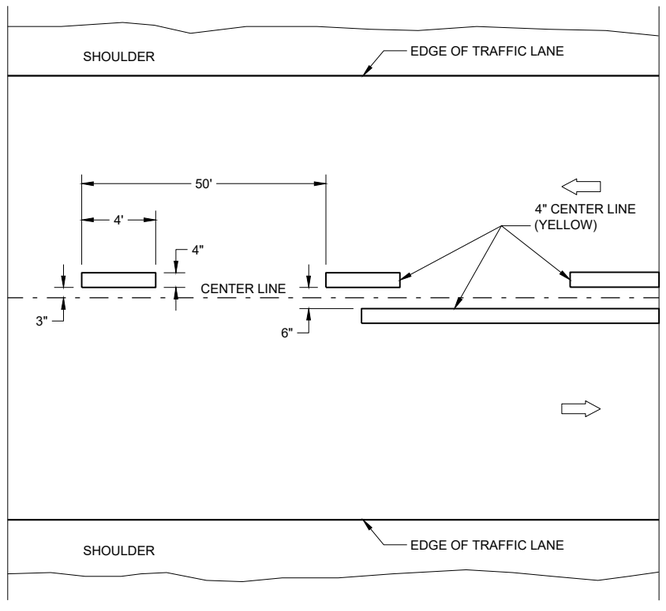


TWO WAY TRAFFIC

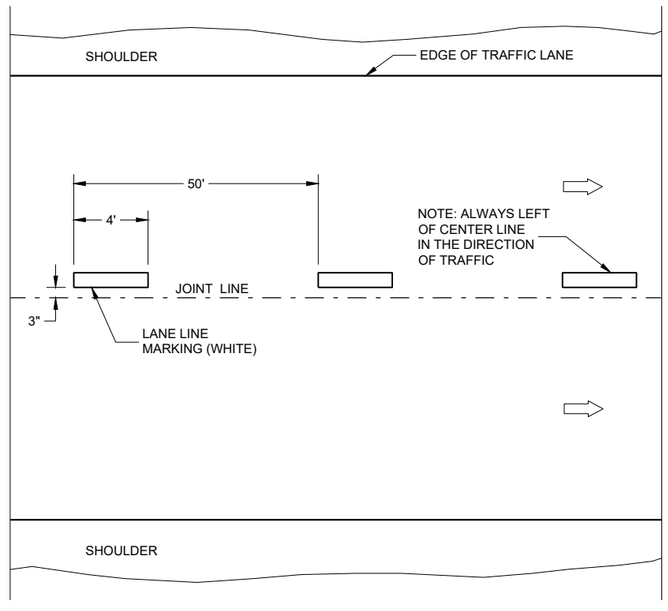


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

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

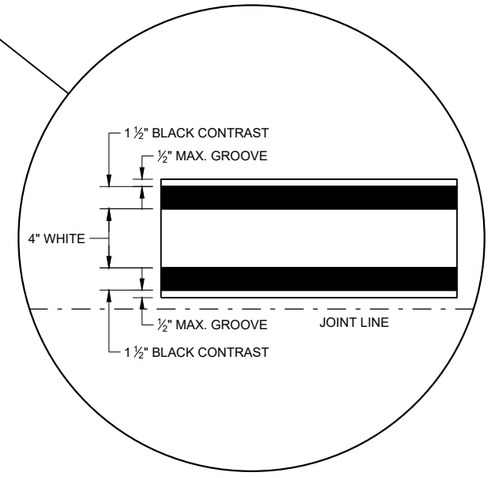
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 — DATE
/S/ Matthew Rauch — STATEWIDE SIGNING AND M ENGINEER

FHWA

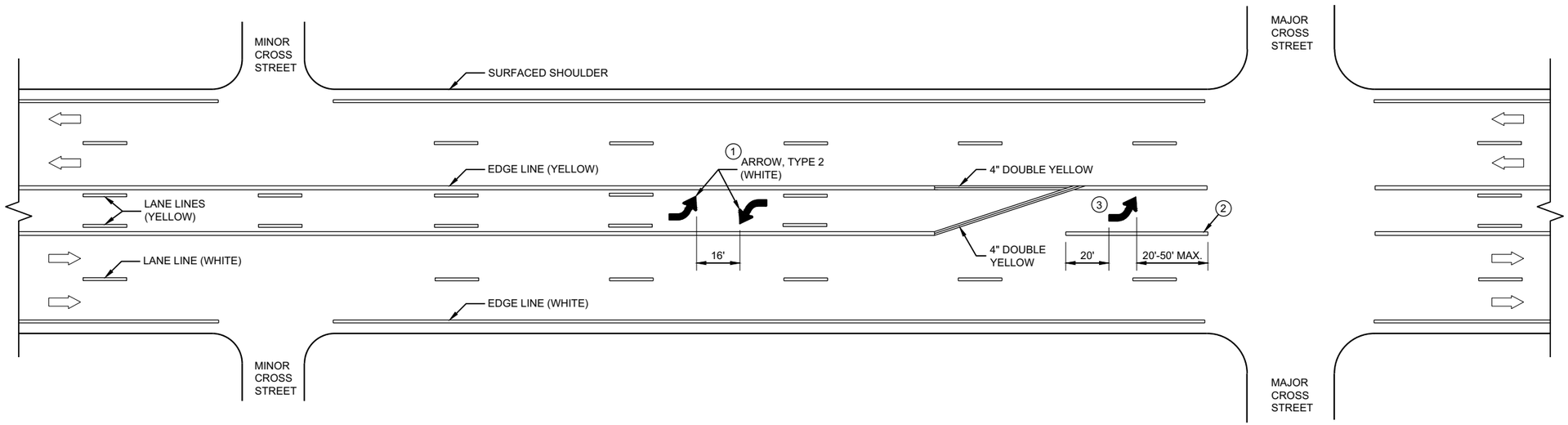
SDD 15C08 - 20a

6

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

DIRECTION OF TRAFFIC



TWO WAY LEFT TURN LANE

6

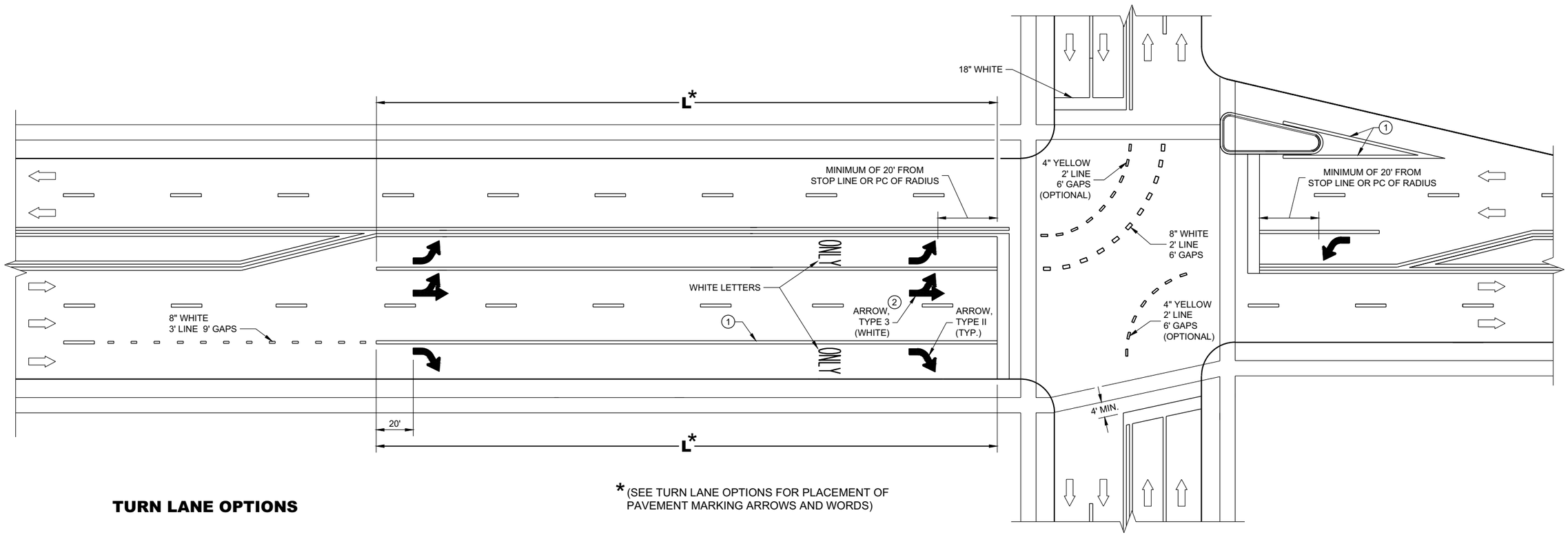
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SDD 15C08 - 20b

SDD 15C08 - 20b

PAVEMENT MARKING (TURN LANES)

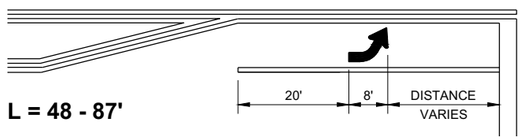
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



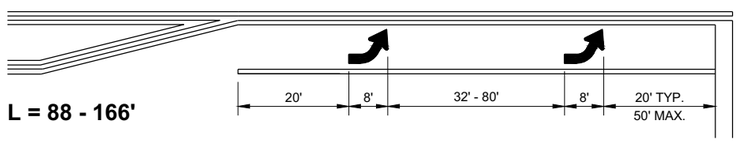
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

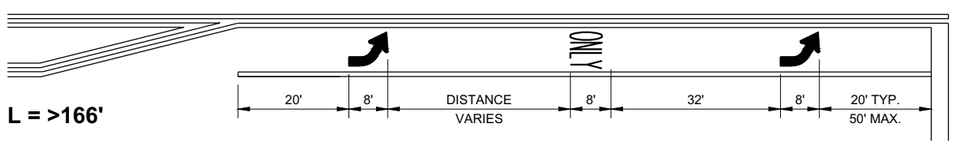
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

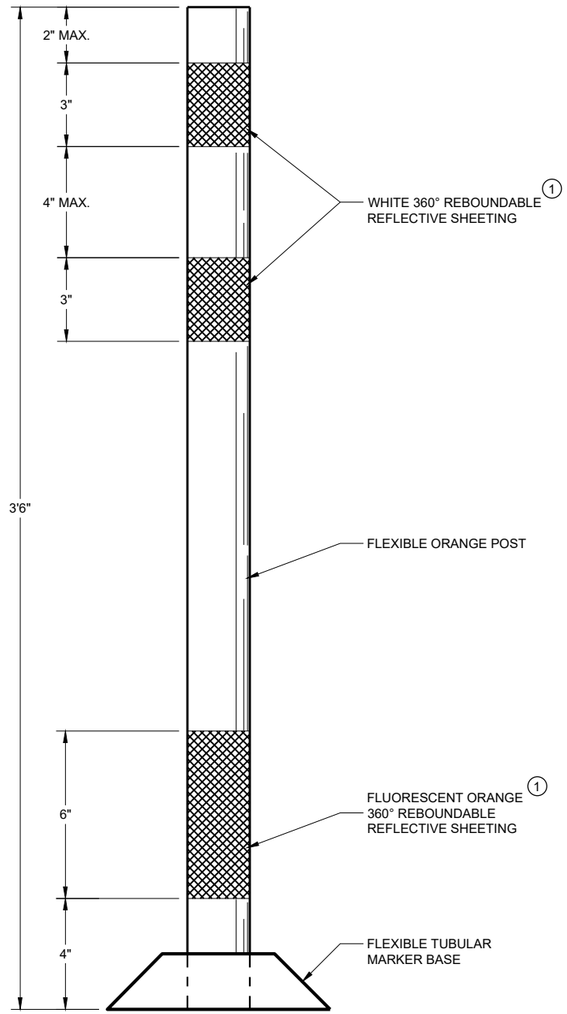
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST 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 - 09a

CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

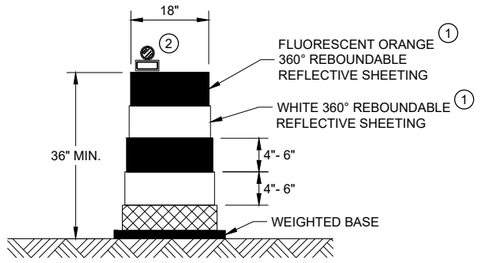
FHWA

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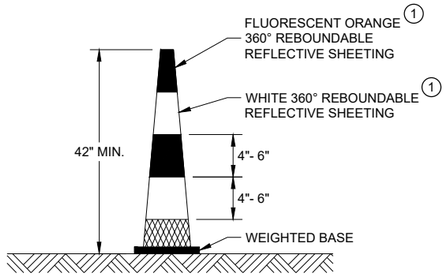
SDD 15C11 - 09a

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.

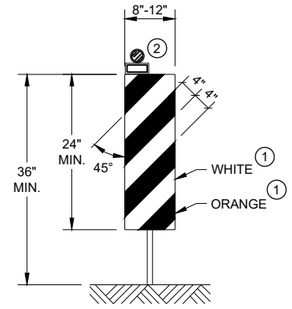


DRUM



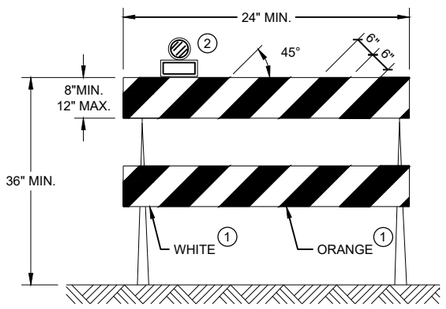
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



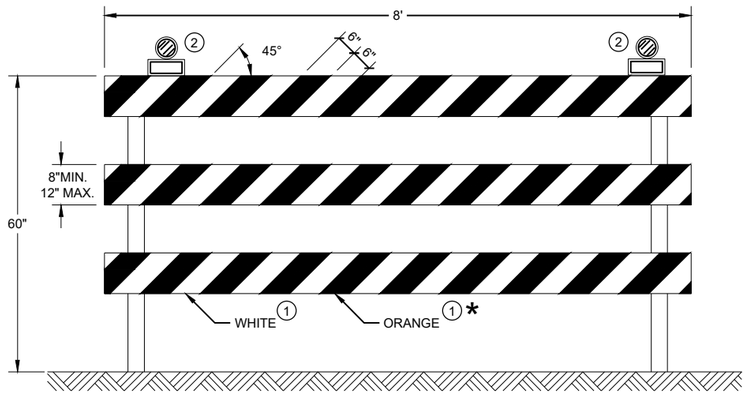
VERTICAL PANEL

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
May 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

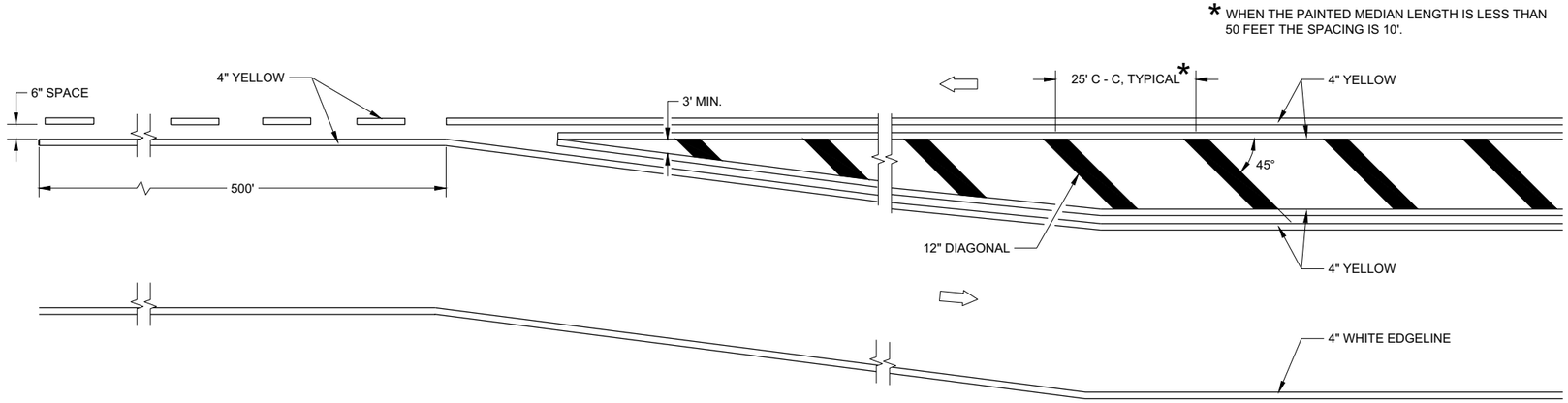
FHWA

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SDD 15C11 - 09b

6

SDD 15C11 - 09b

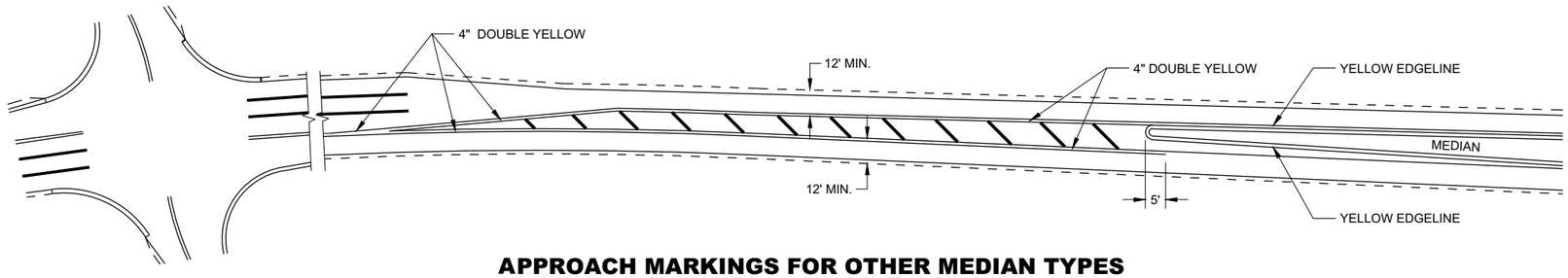


MEDIAN ISLAND DETAIL

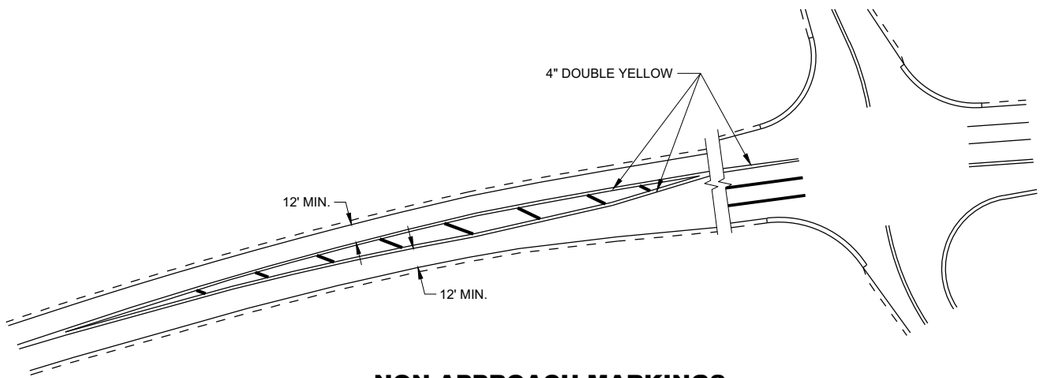
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

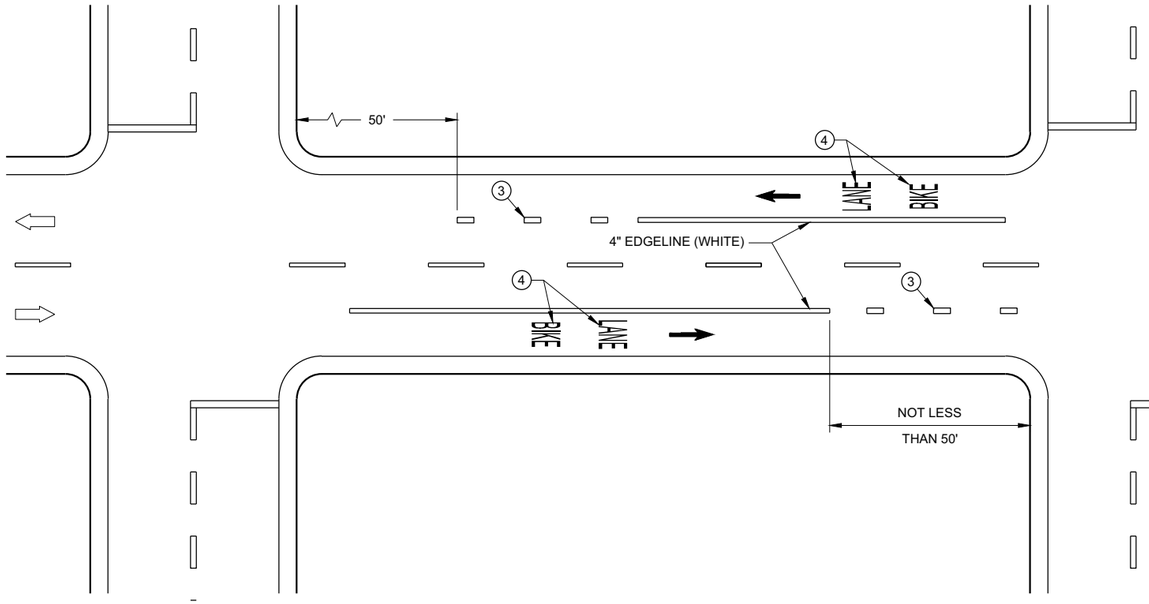
FHWA

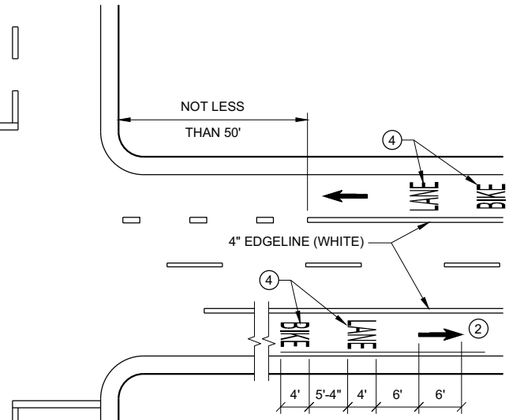
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SDD 15C18 - 05a

6

SDD 15C18 - 05a



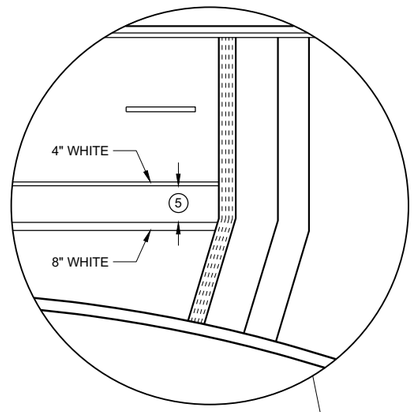


GENERAL NOTES

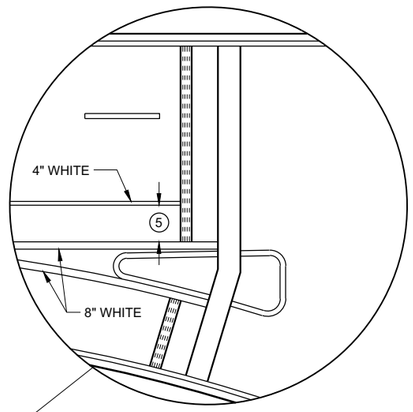
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

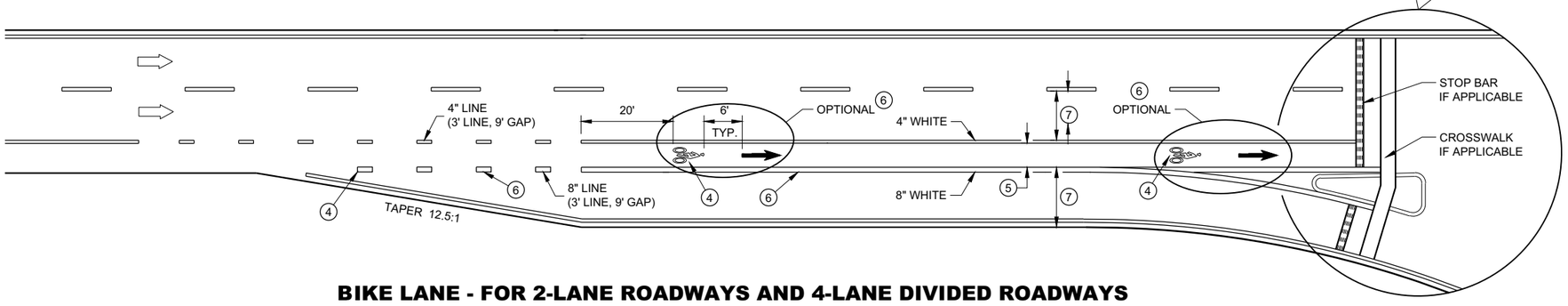
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

6

SDD 15C29 - 07a

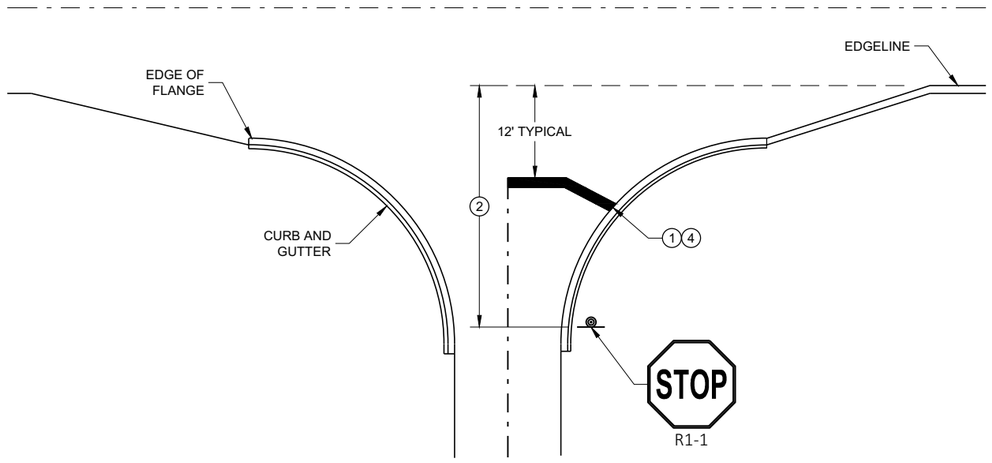
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SDD 15C29 - 07a

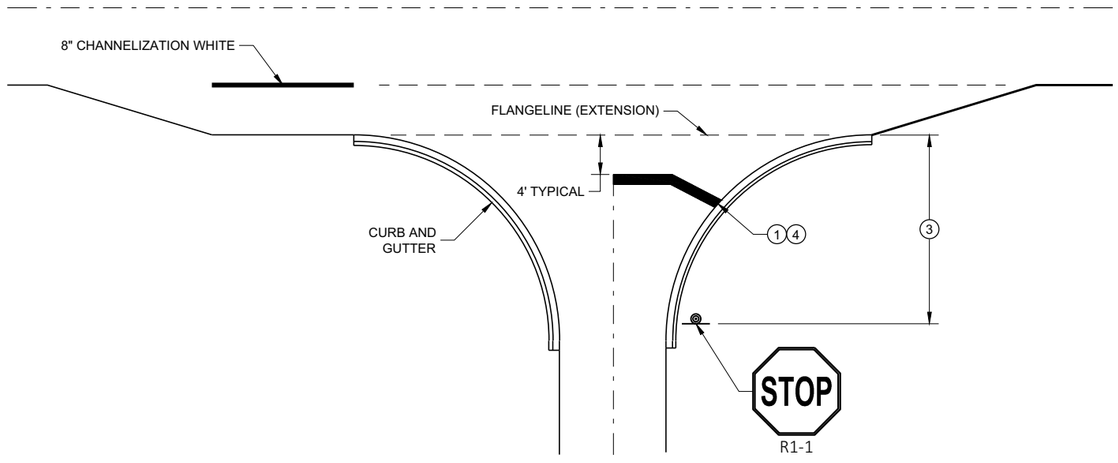
GENERAL NOTES

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

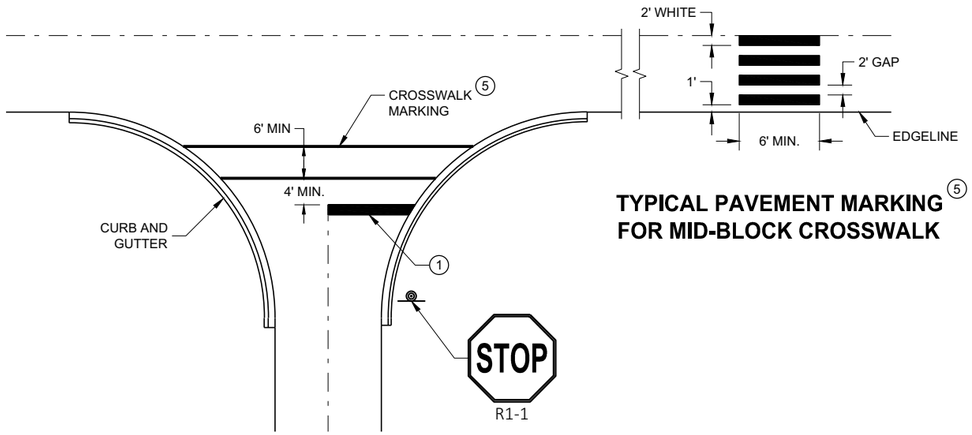
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE 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

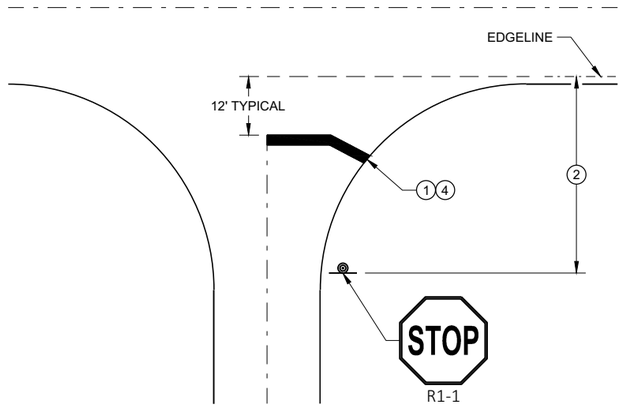


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



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
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C33 - 04

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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 MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.



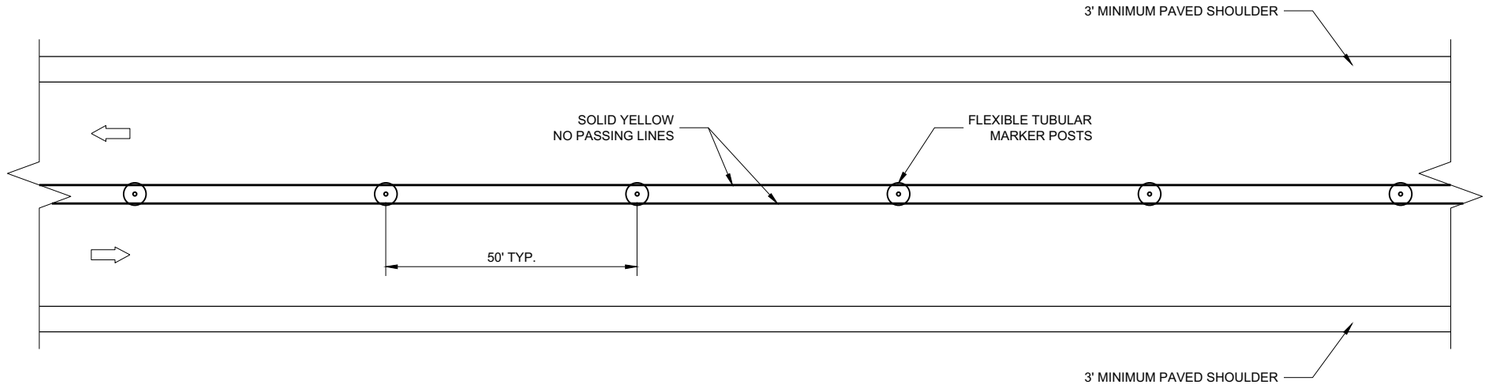
(1)



(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER

FHWA

6
SDD 15D06 - 04

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

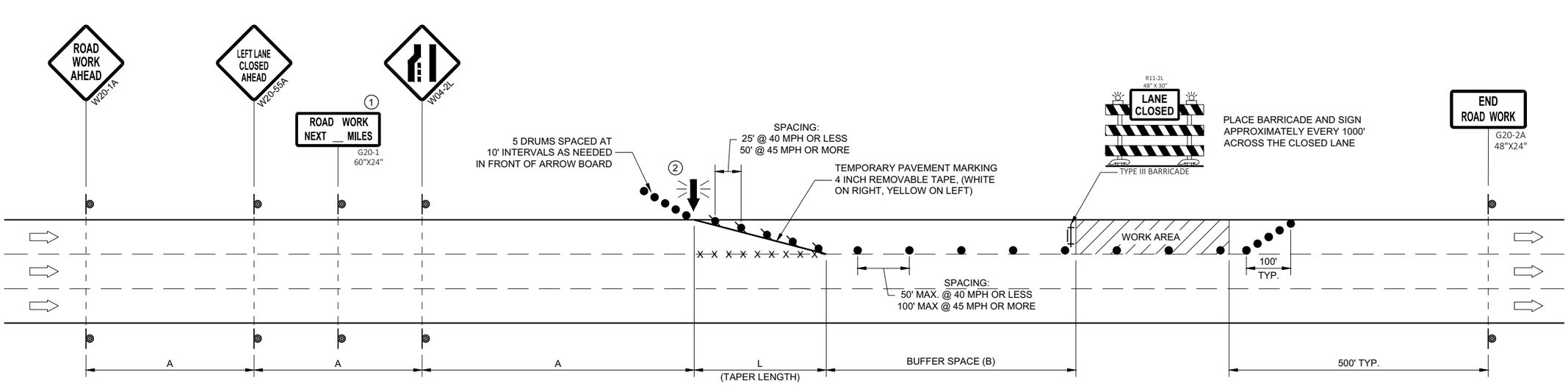
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD15D20 - 05a

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA



GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

BARRICADES IN A CLOSED LANE 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.

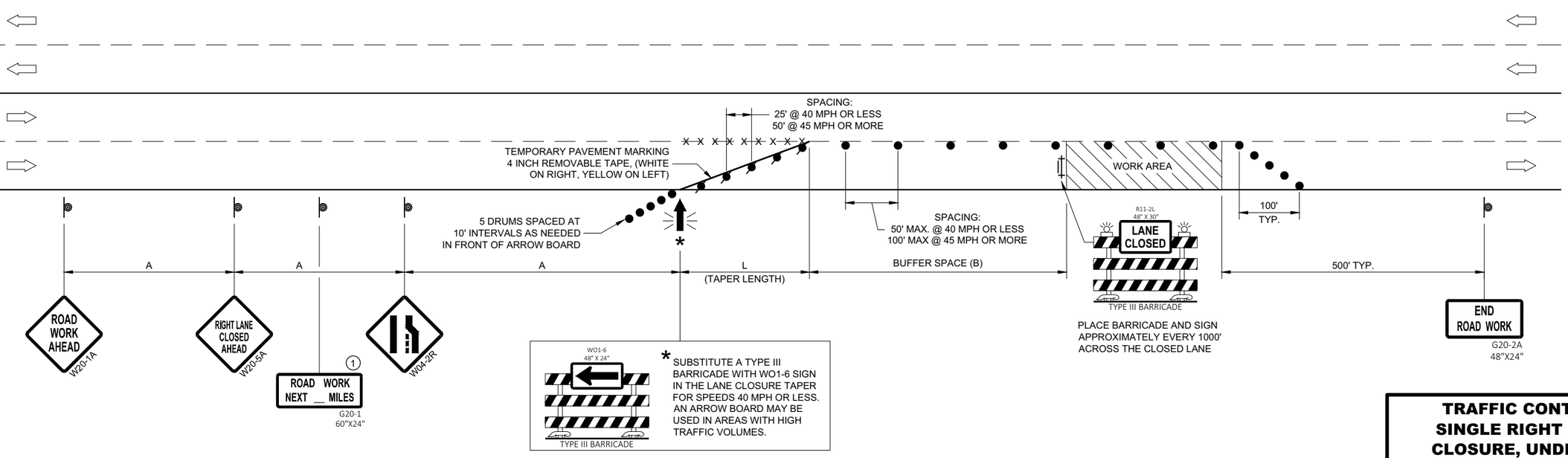
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

SDD 15D20 - 05b

SDD 15D20 - 05b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

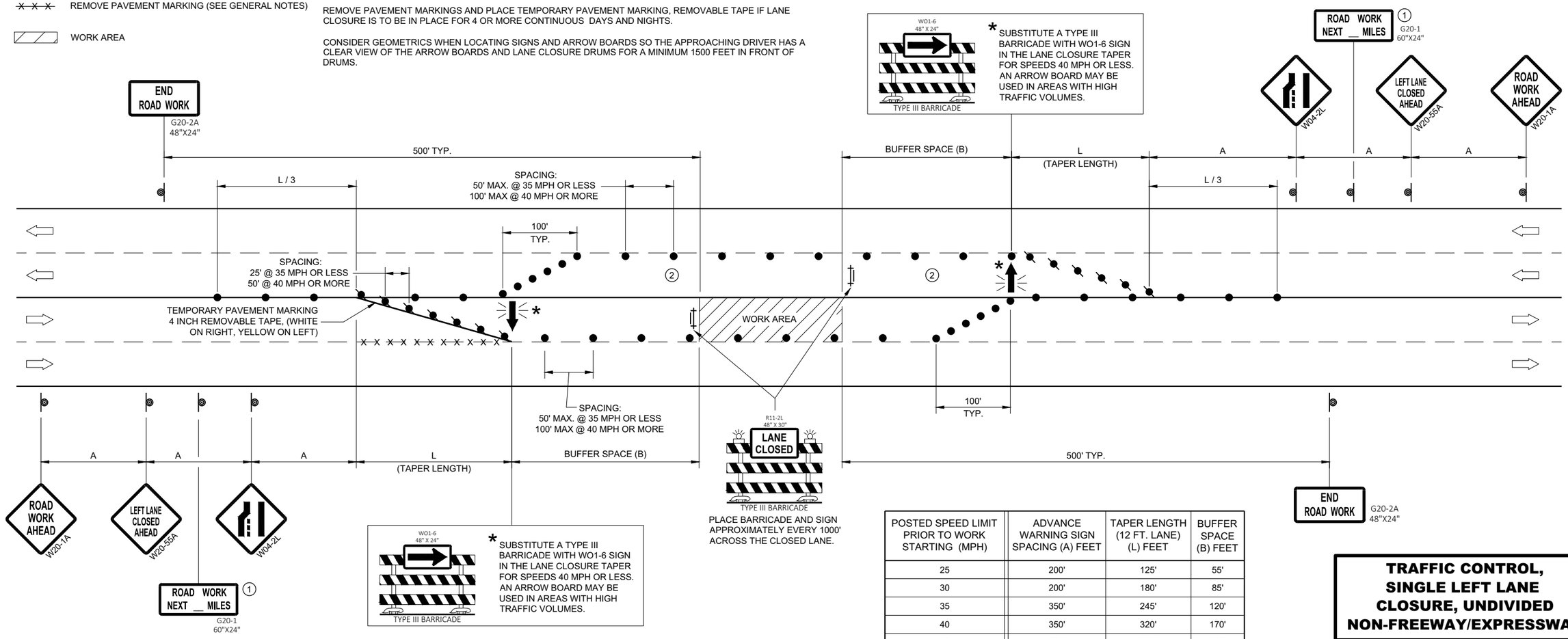
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

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

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

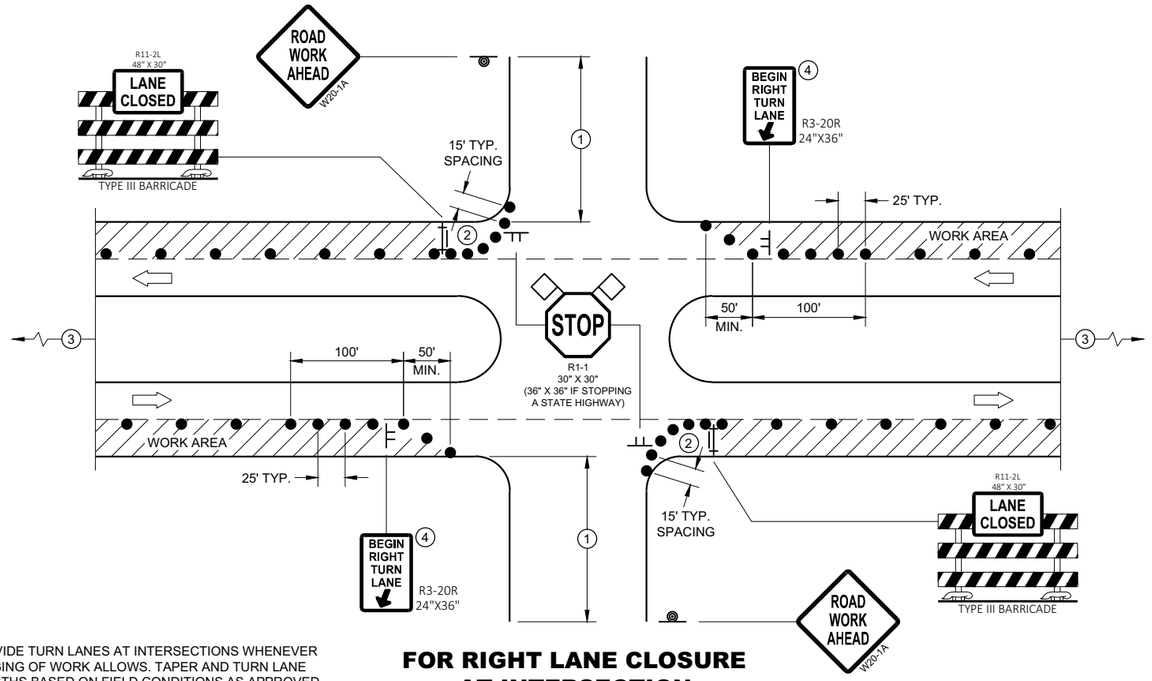
TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE
/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

SDD 15D20 - 05c

SDD 15D20 - 05c



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

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

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

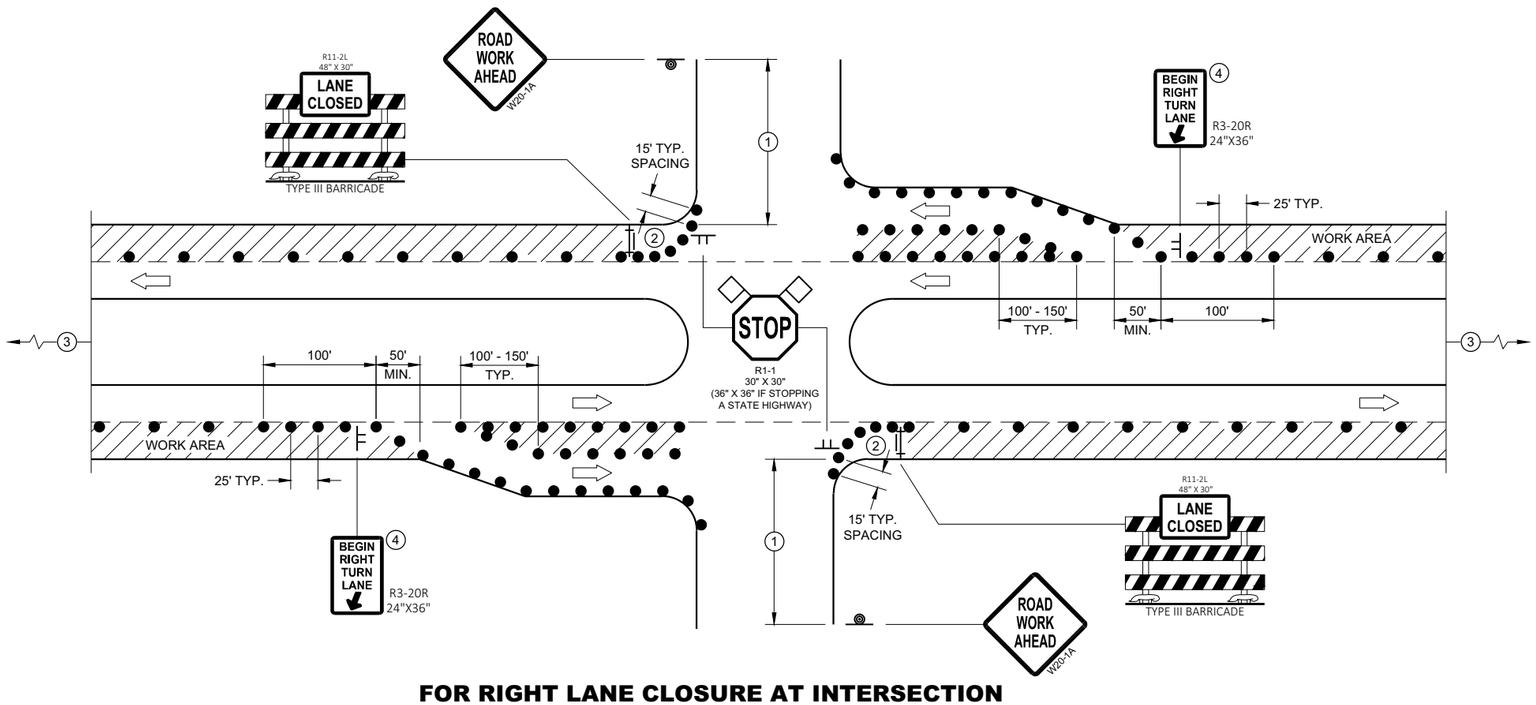
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

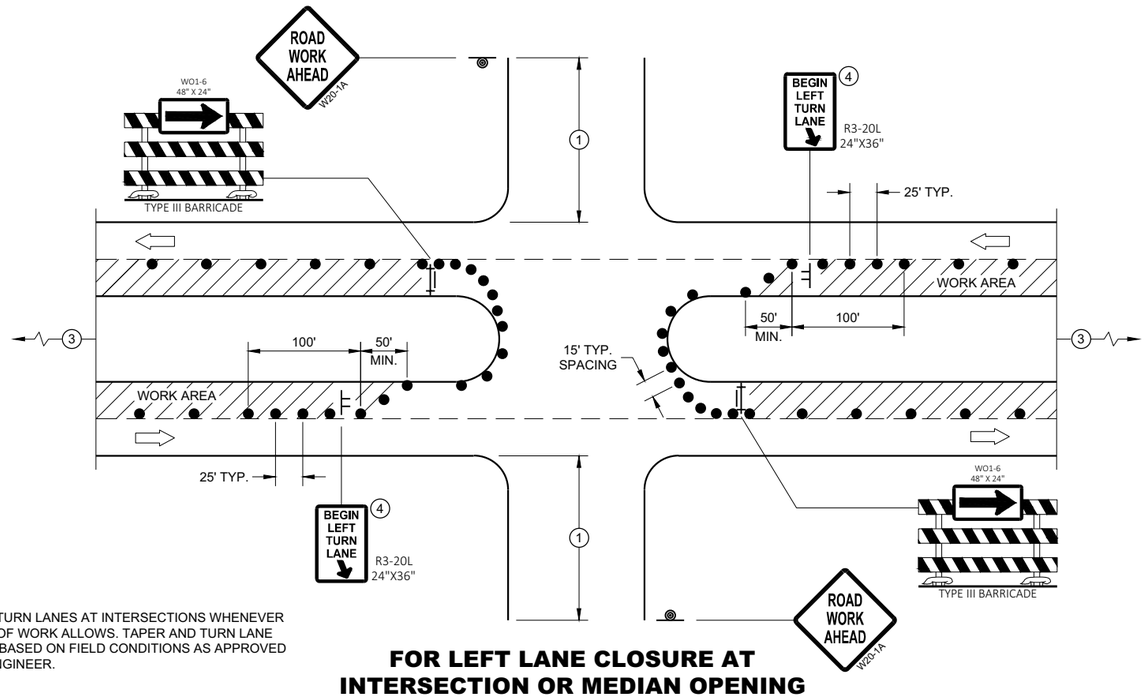
- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

BARRICADES IN A CLOSED LANE 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.

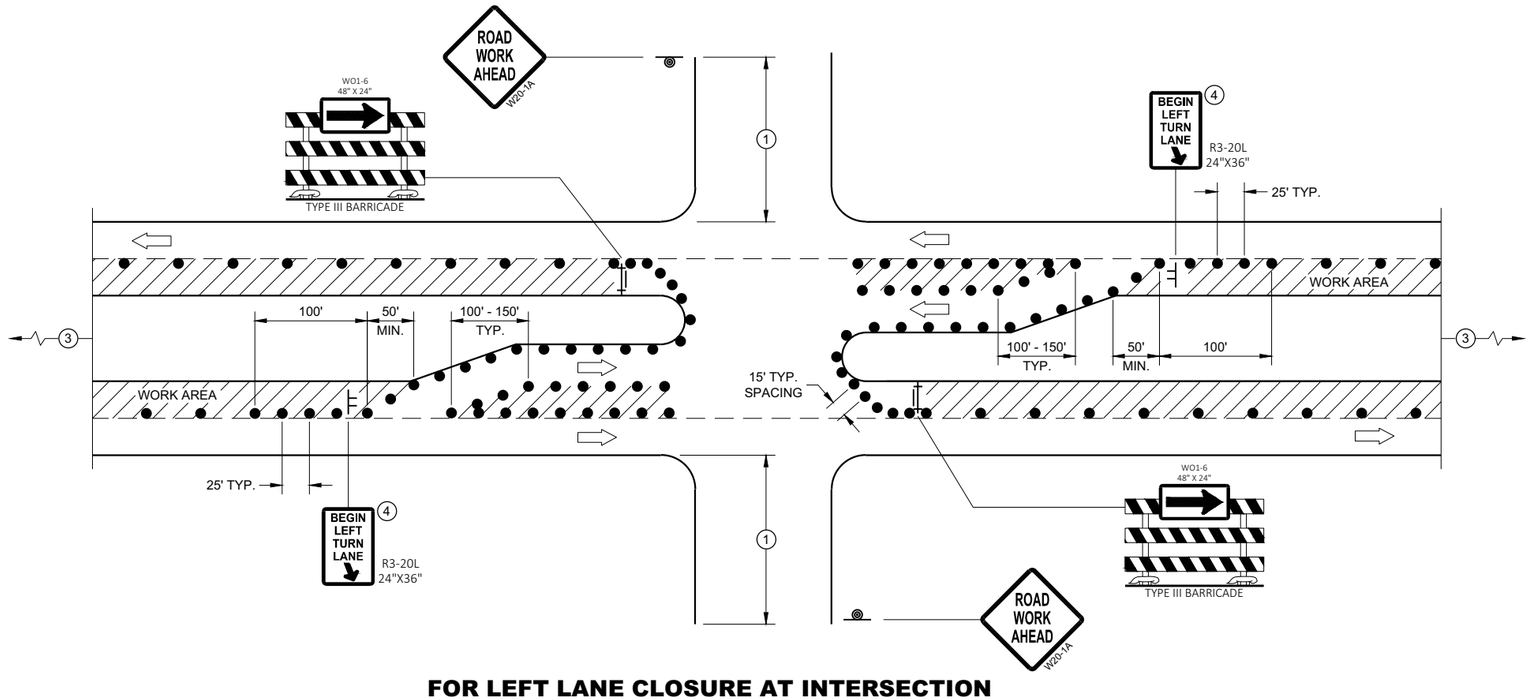
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350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45 MPH, USE SDD 15D14.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE RIGHT TWO LANES.
FOR CLOSING LEFT TWO LANES, REVERSE THE TRAFFIC CONTROL.

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 REGIONAL TRAFFIC UNIT.

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SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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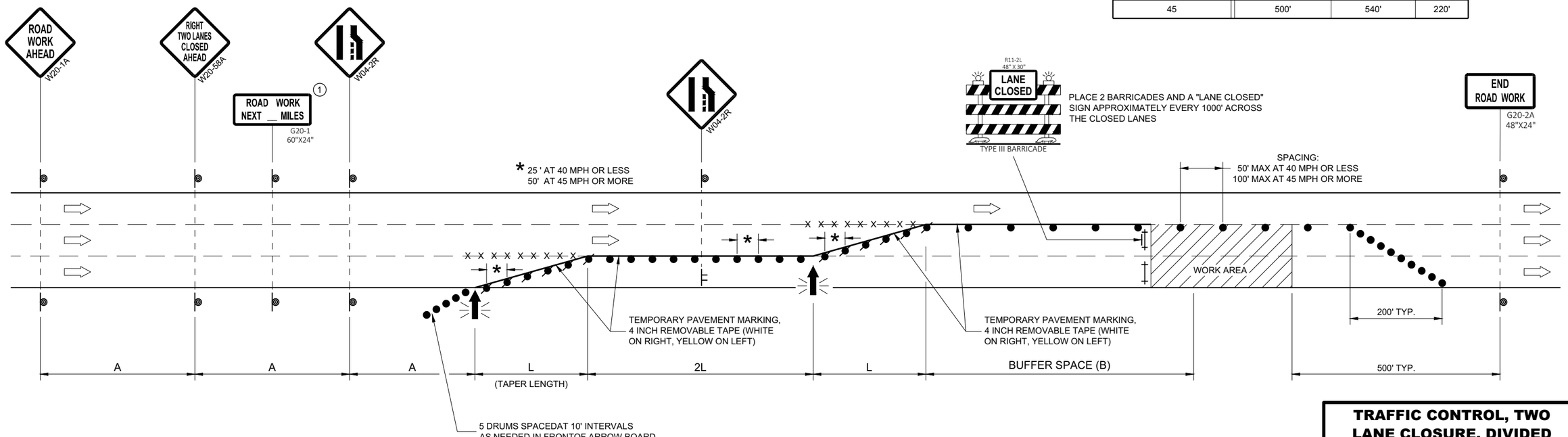
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25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'



TRAFFIC CONTROL, TWO LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

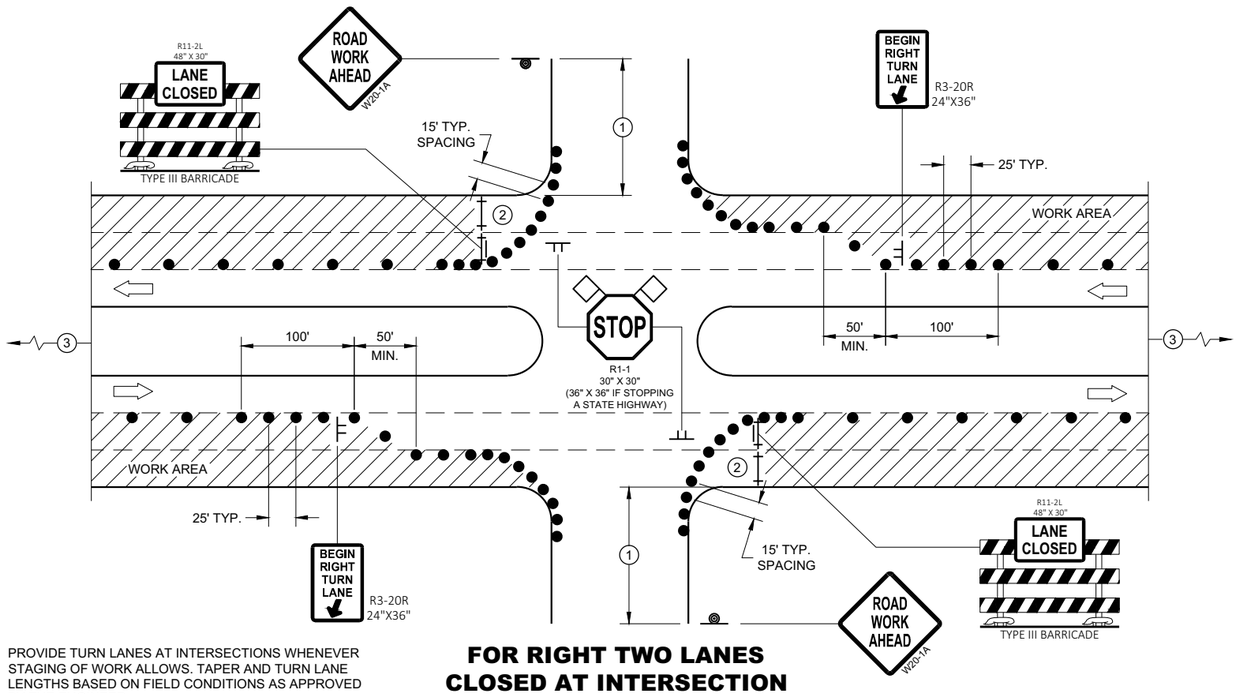
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

6

SDD 15D22 - 04



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT TWO LANES CLOSED AT INTERSECTION

GENERAL NOTES

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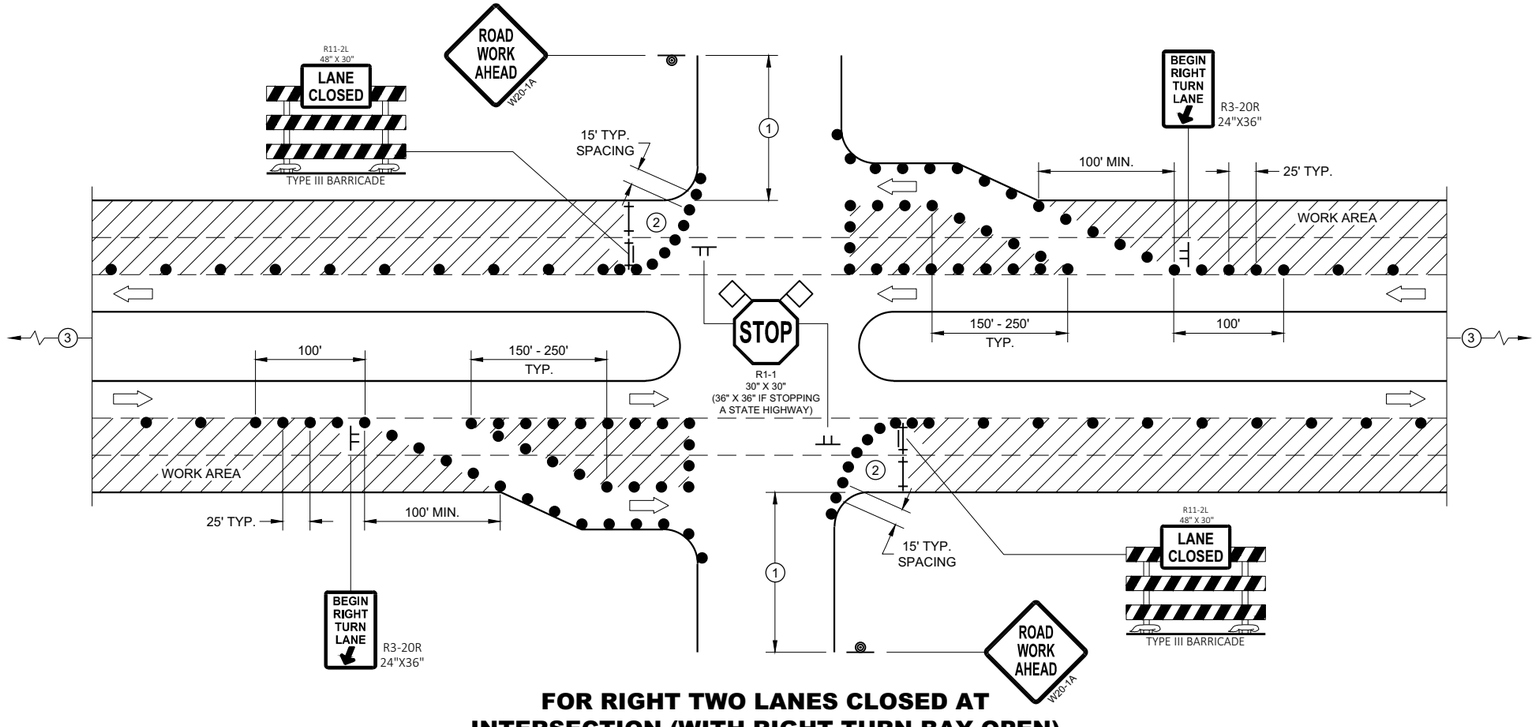
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(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.



FOR RIGHT TWO LANES CLOSED AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

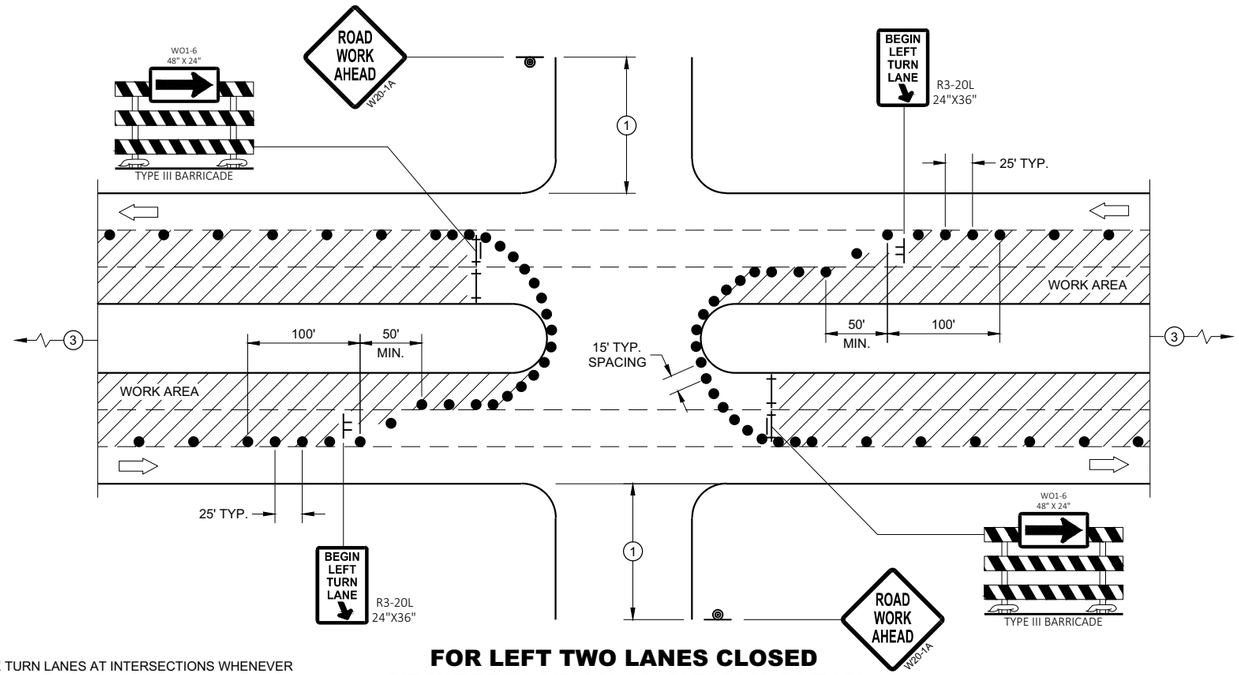
- SIGN ON TEMPORARY SUPPORT
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- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

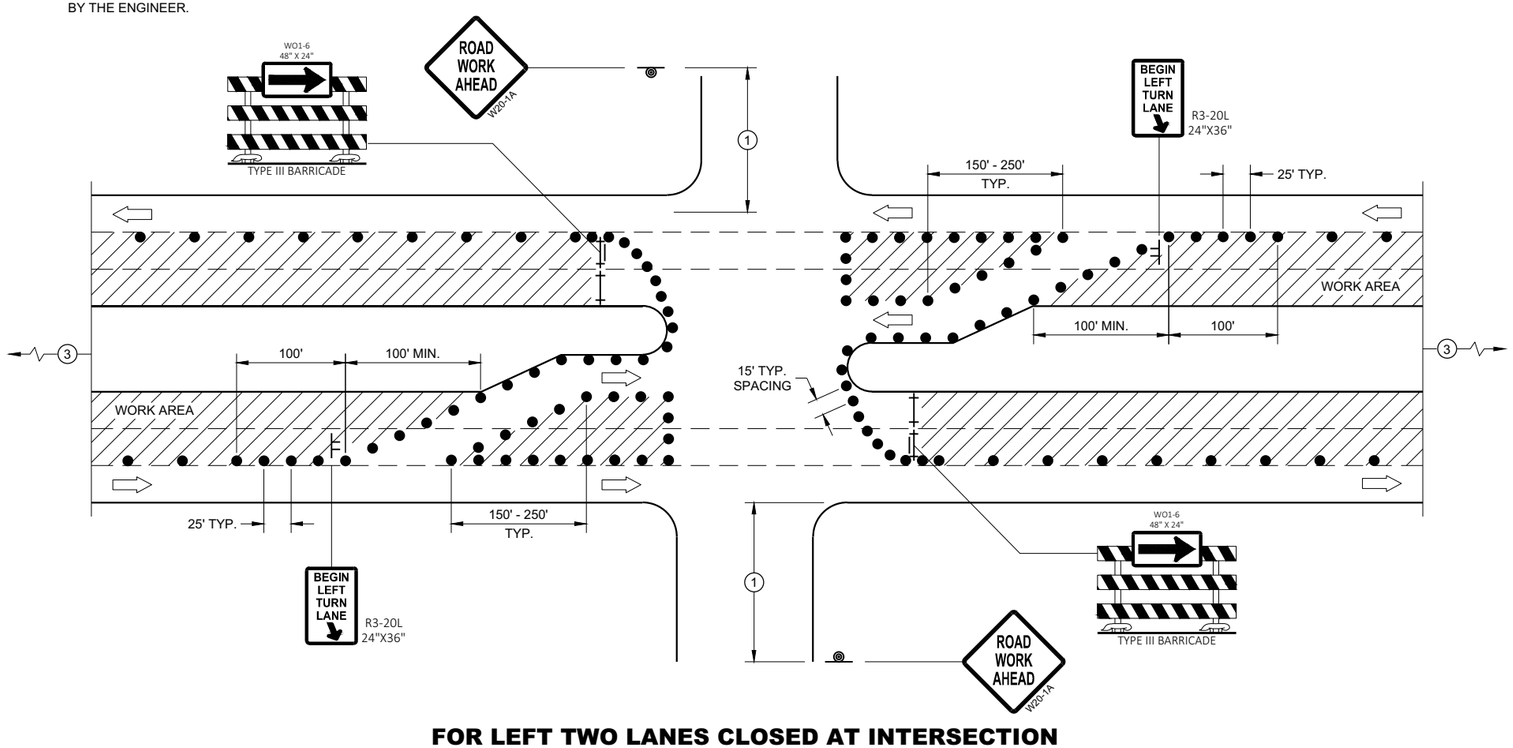
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SDD 15D23 - 06a



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



FOR LEFT TWO LANES CLOSED AT INTERSECTION OR MEDIAN BREAK (WITH LEFT TURN BAY OPEN)

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" MAY BE USED IF APPROVED BY THE DISTRICT 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

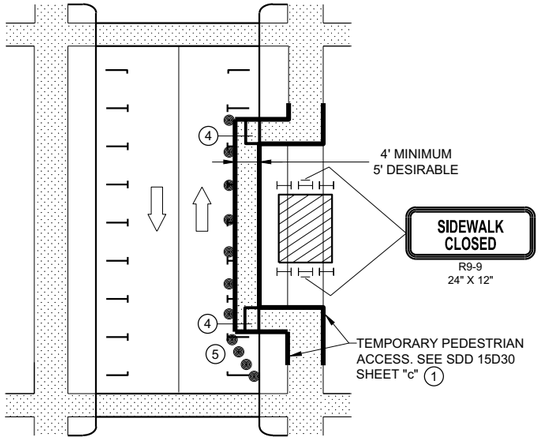
APPROVED
July 2018 — DATE
/S/ Amdrew Heidtke — WORK ZONE ENGINEER

FHWA

SDD 15D23 - 06b

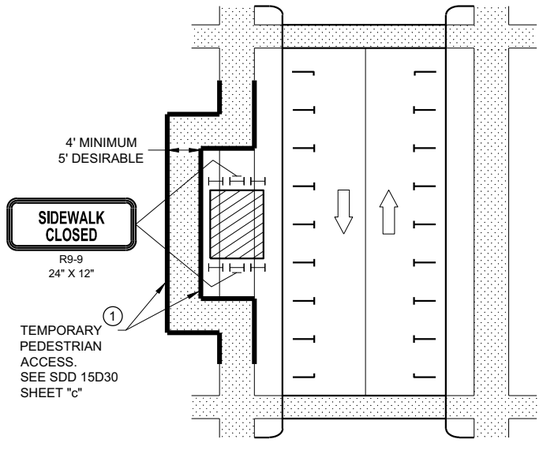
SDD 15D23 - 06b

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

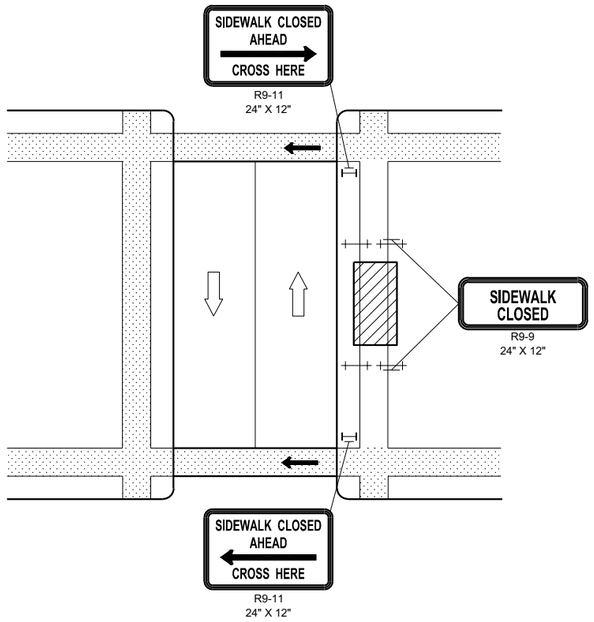


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

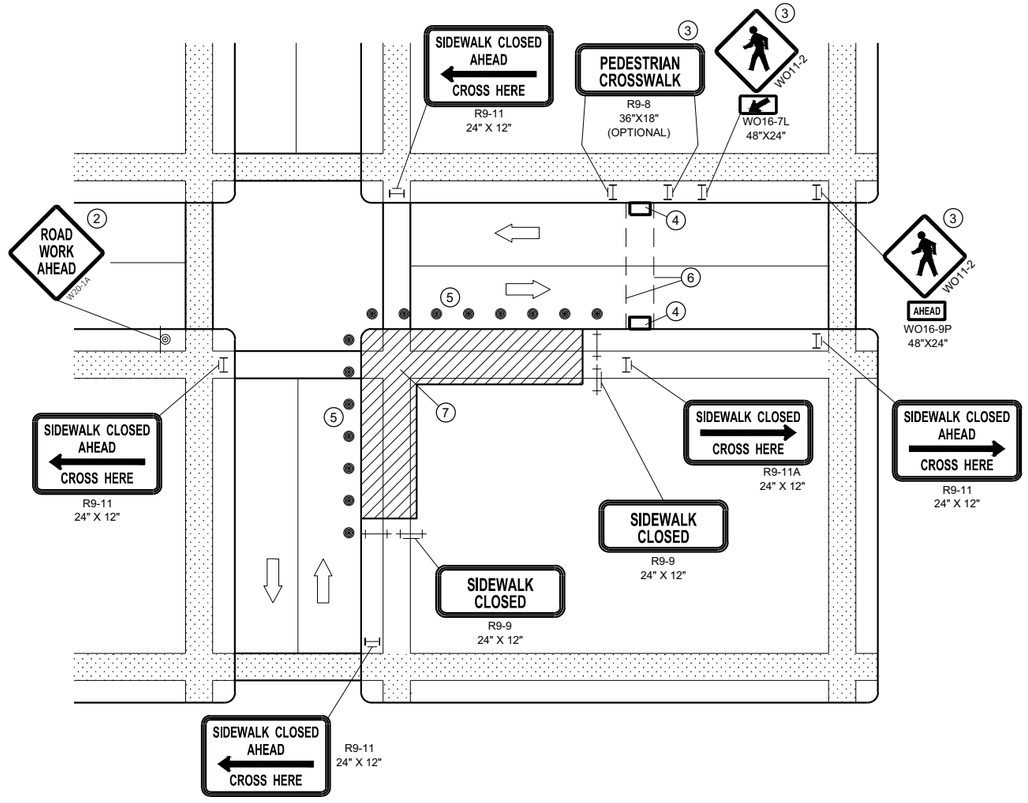
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEK LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

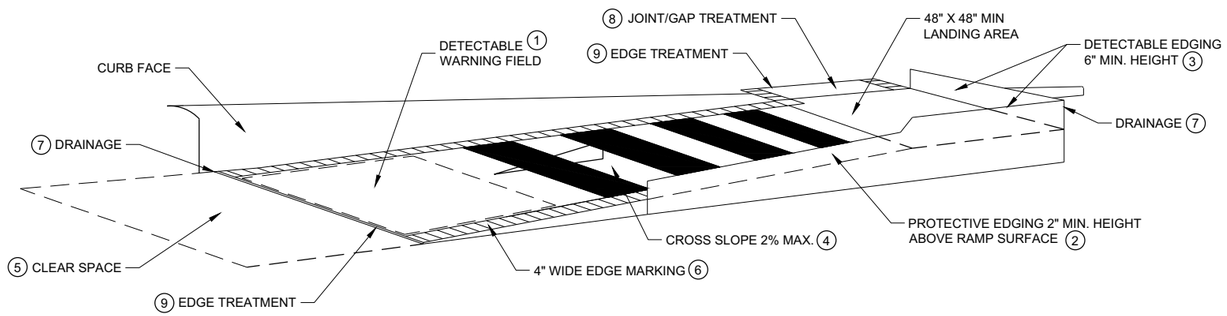
1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

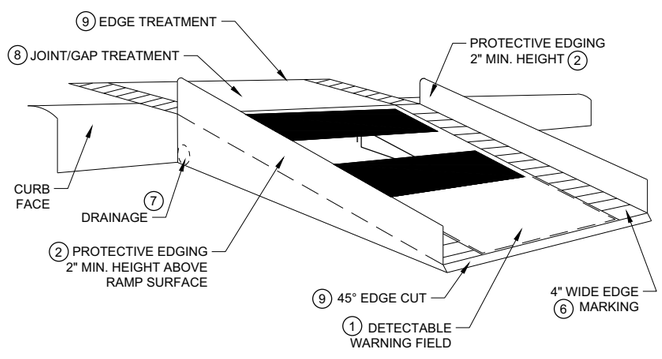
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

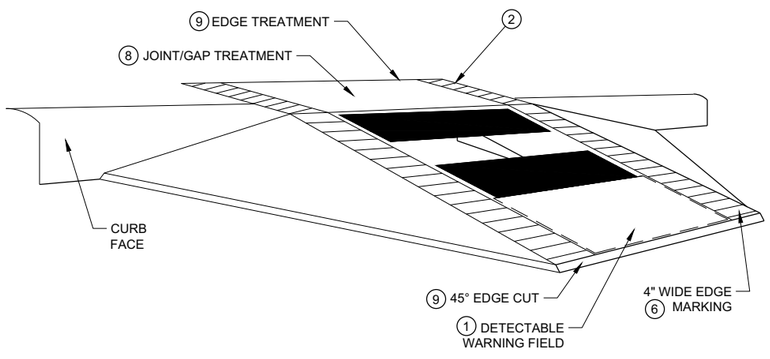
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA 300



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

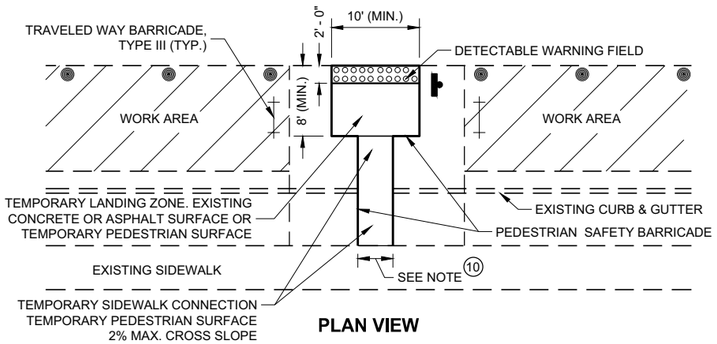
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

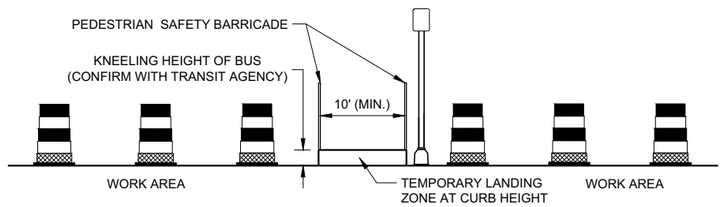
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

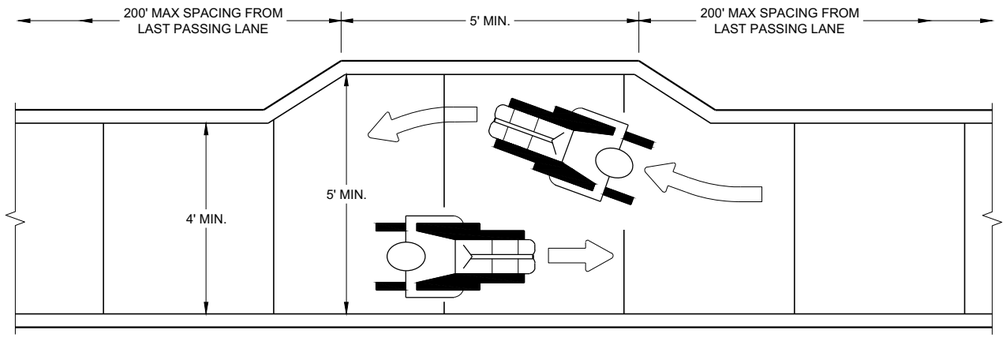
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

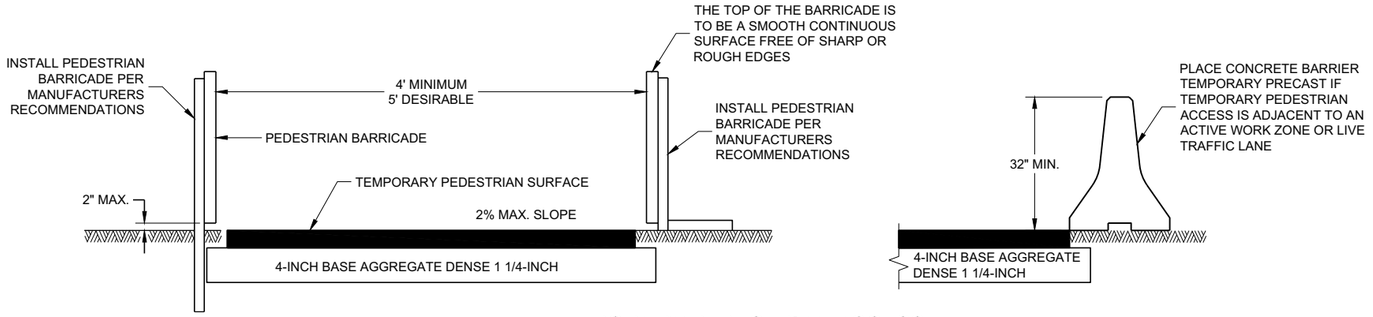
SDD 15D30 - 06b

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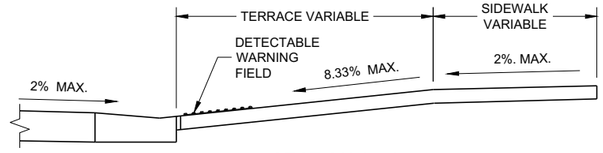
SDD 15D30 - 06b



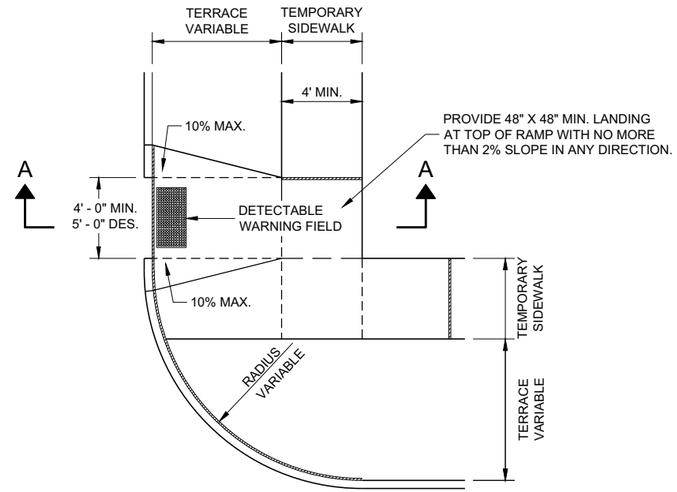
NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN ACCESS



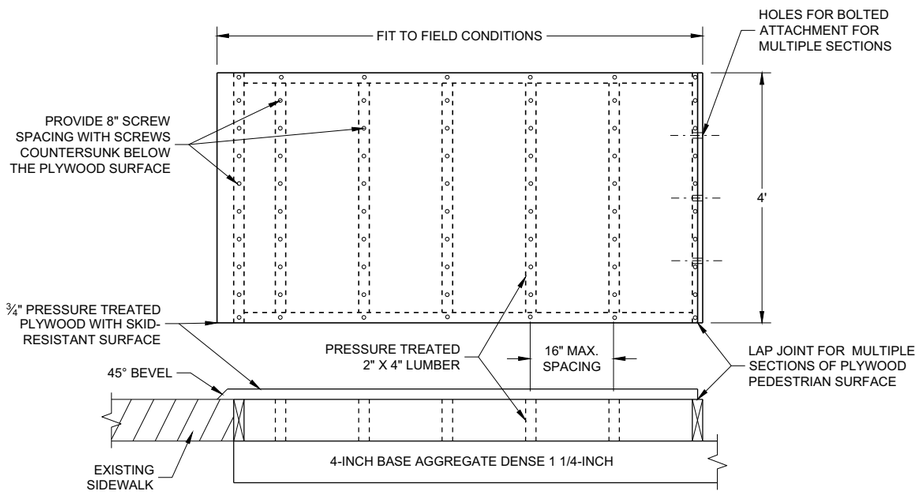
SECTION A - A



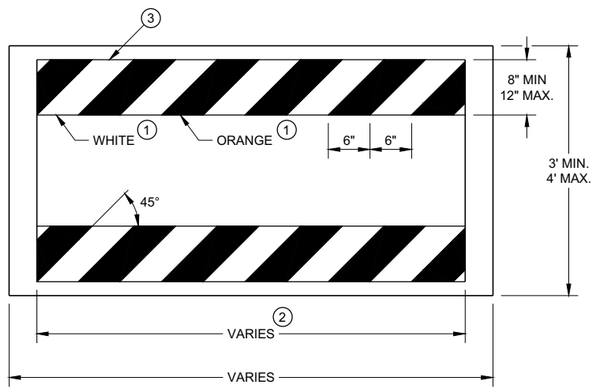
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

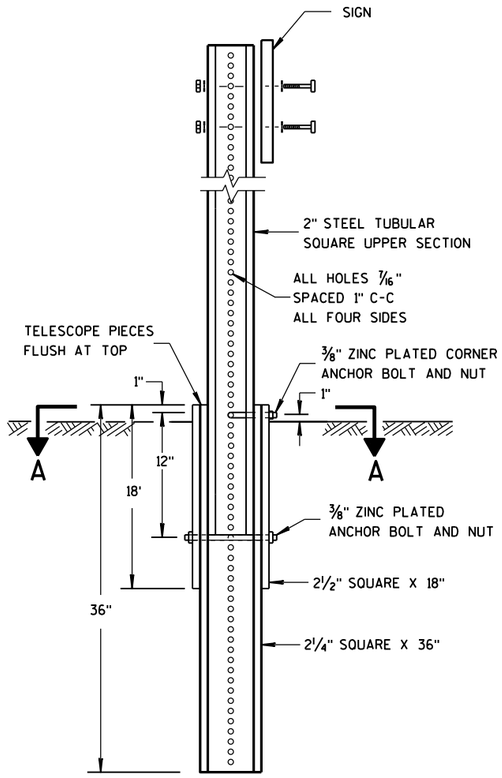
/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

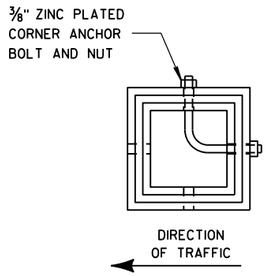
SDD 15D30 - 06c

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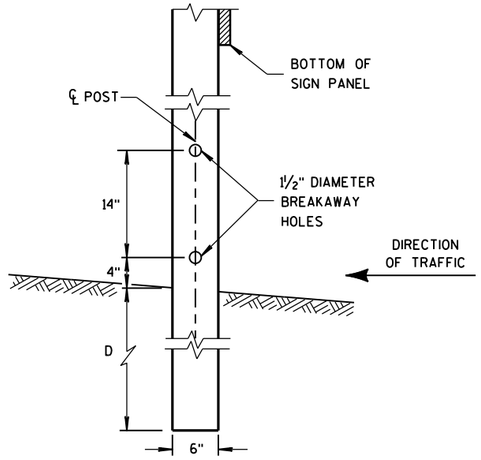
SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



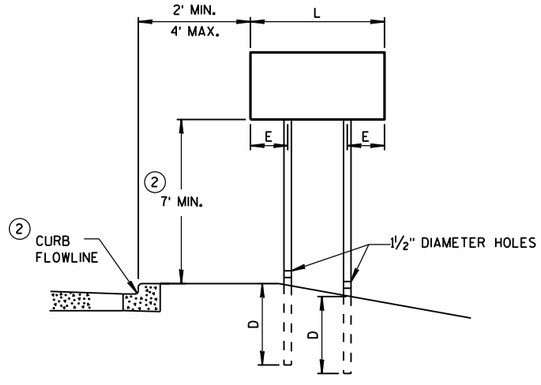
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

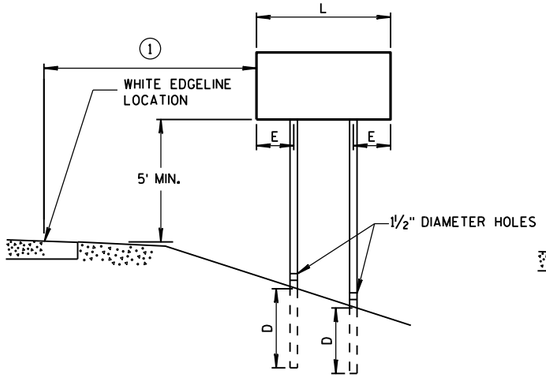
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

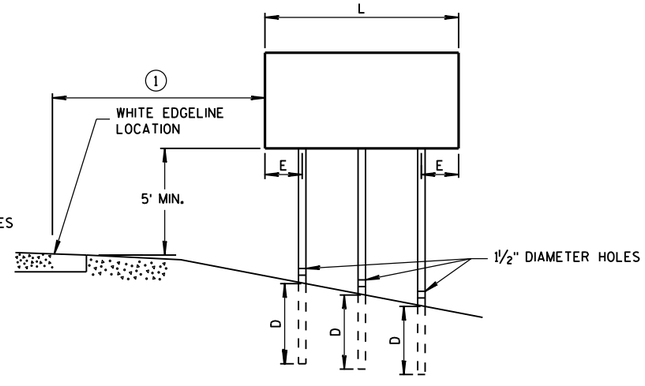
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK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

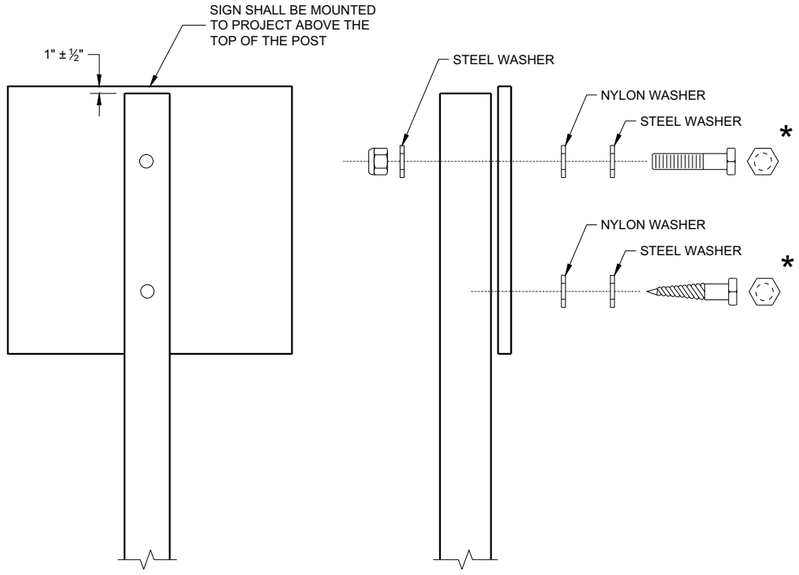
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

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" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) 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. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 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 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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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

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVE PAVEMENT MARKING

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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 MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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

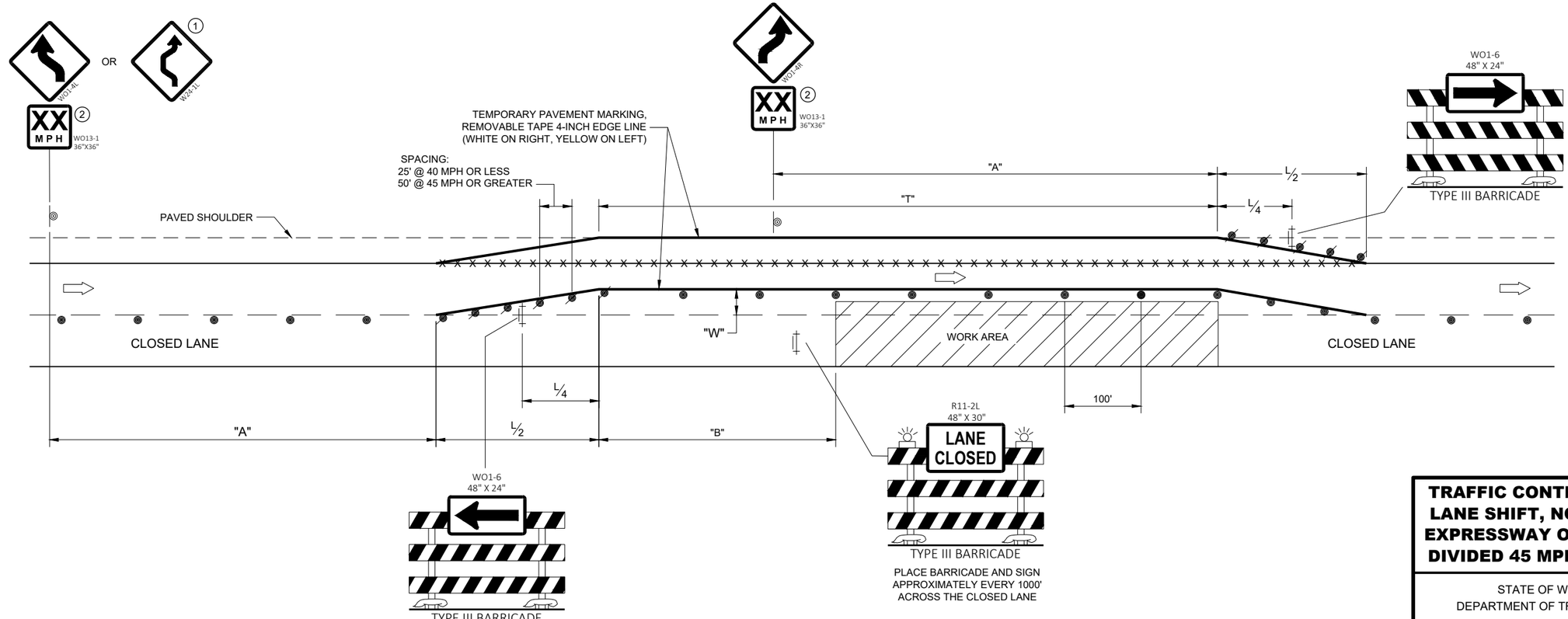
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02c
SDD 15D40 - 02c

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120



OR



LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN



R2-1
48"X60"

OR



R2-1
48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES 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 MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

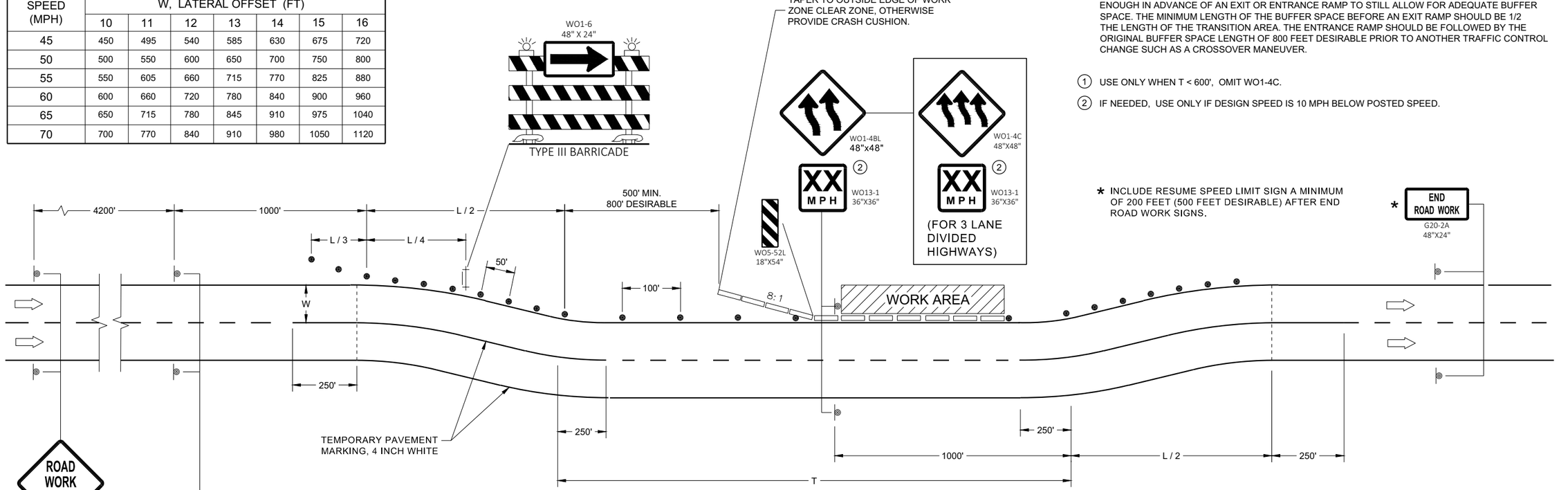
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

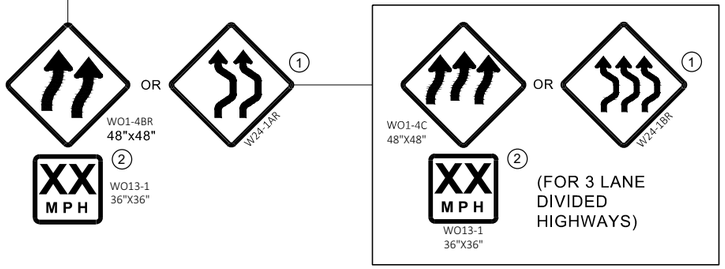
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(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.





MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD

TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6

SDD 15D41 - 01

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

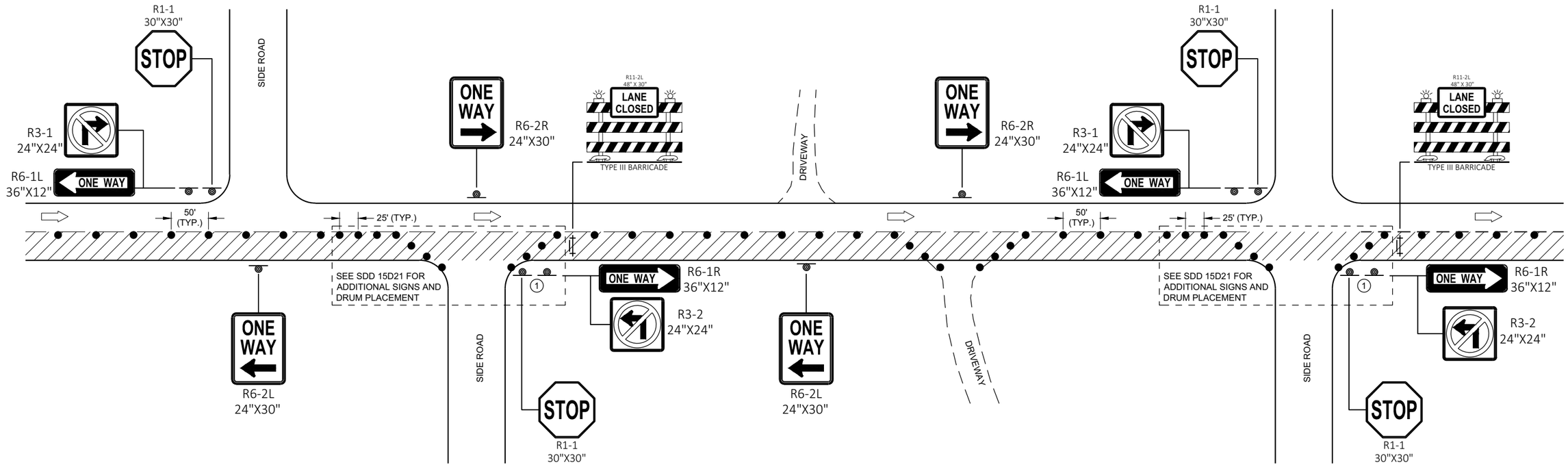
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

BARRICADES IN A CLOSED LANE 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.

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

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



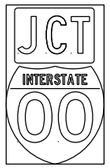
TRAFFIC CONTROL
ONE - WAY SIGNING

TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	307

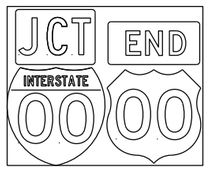
SDD 15D46 - 01

SDD 15D46 - 01

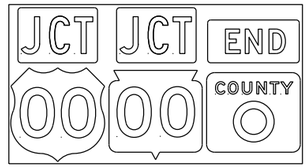
TYPICAL ASSEMBLIES



J1-1



J1-2



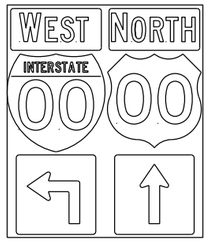
J1-3



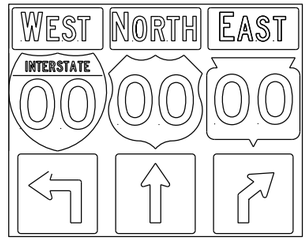
JR1-1



J2-1



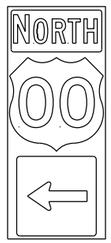
J2-2



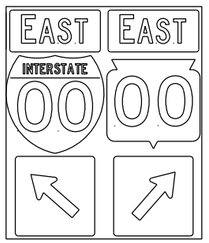
J2-3



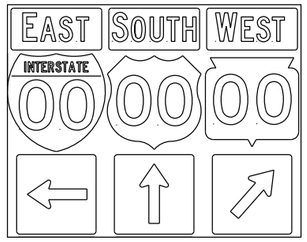
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



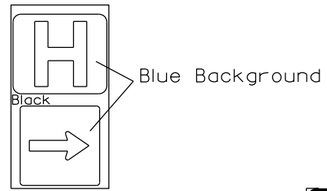
J3-1



J3-2



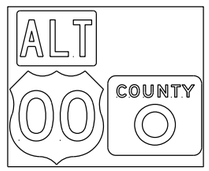
J3-3



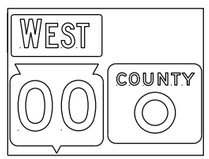
JH-1



J4-1



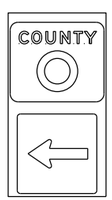
J4-2



J4-2



J12-1



J13-1



J32-1



J33-1



J22-1



J23-1



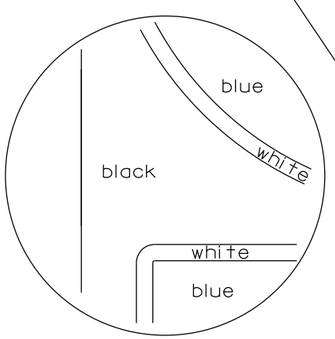
JR13-1

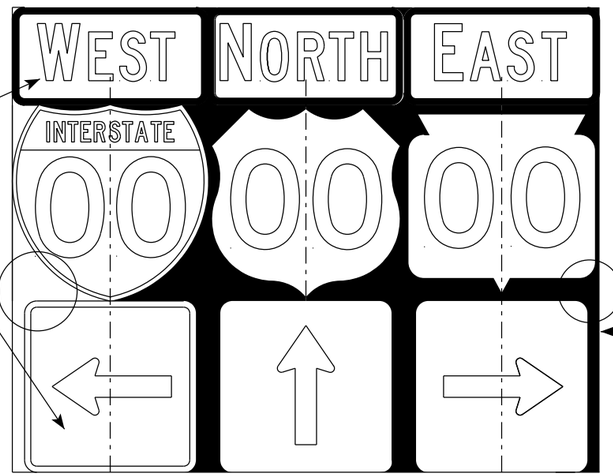


JR23-1



JR99-1





NOTES

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

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

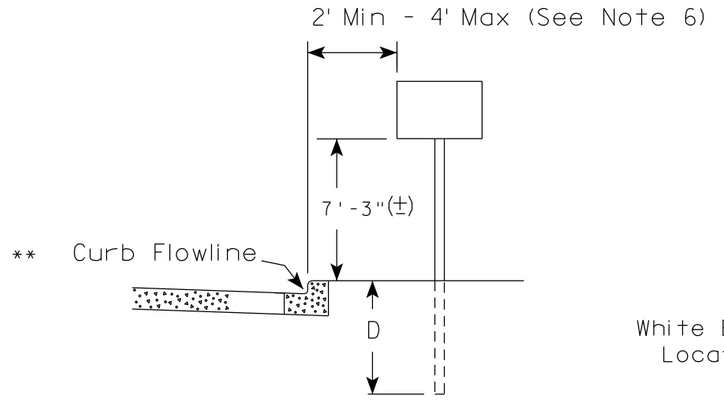
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

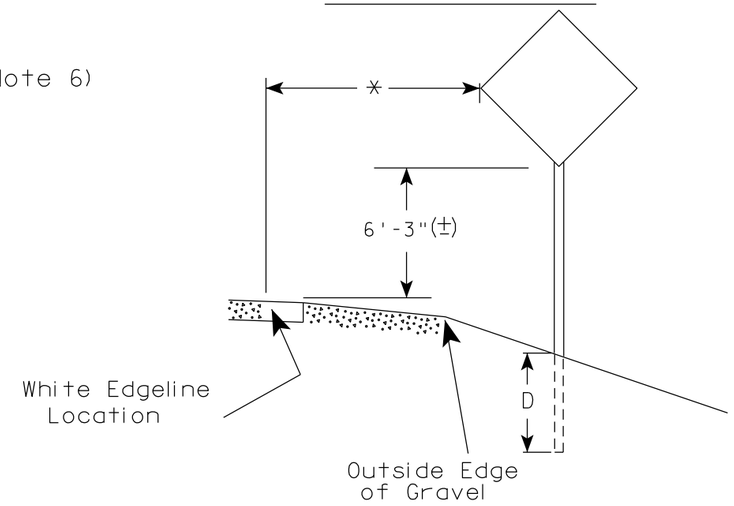
PROJECT NO:

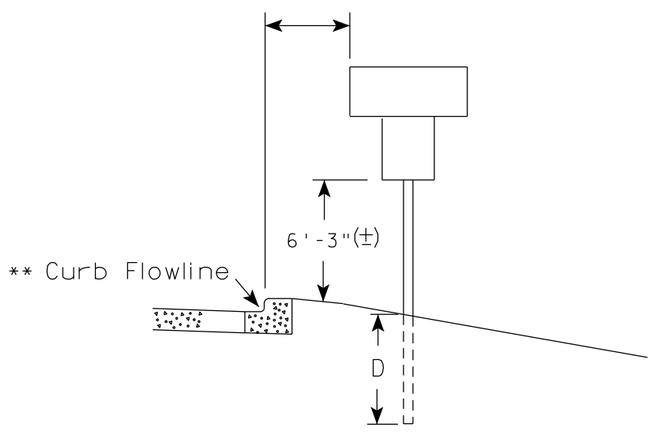
SHEET NO: 308 **E**

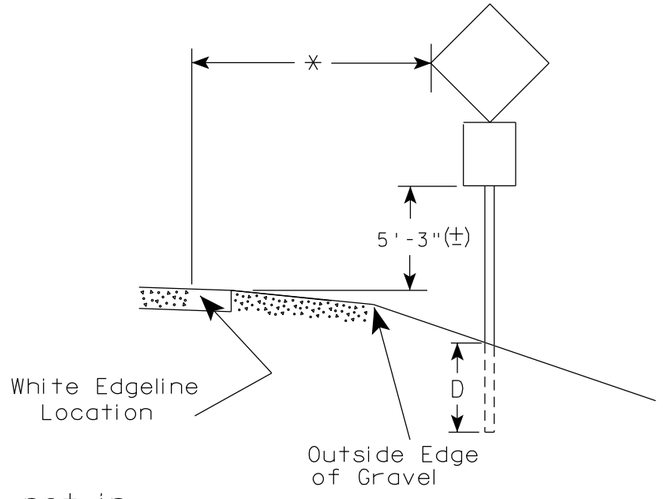
URBAN AREA



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.

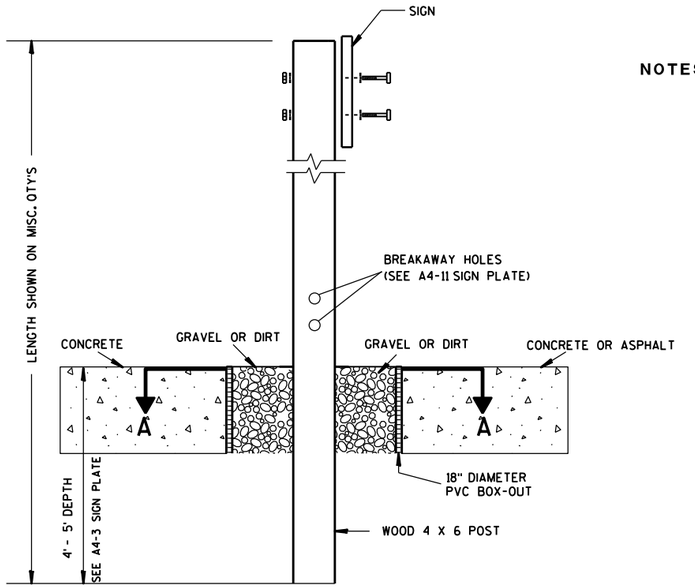
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

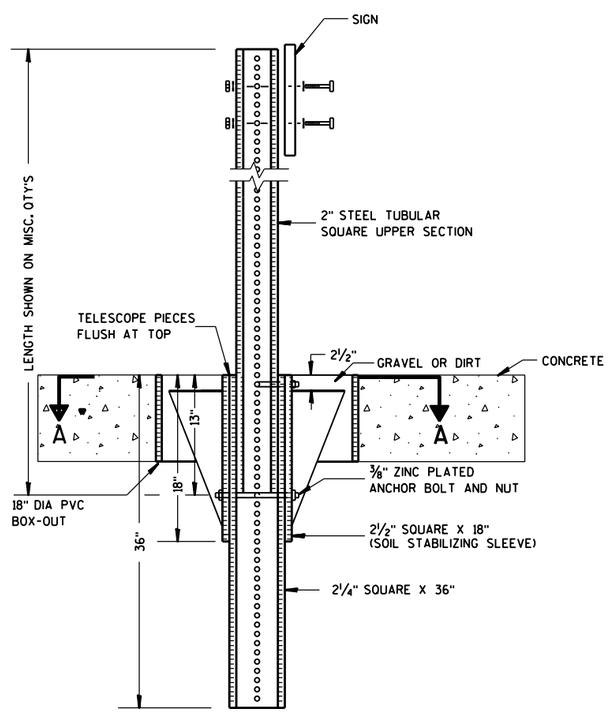
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 309	E



ELEVATION VIEW

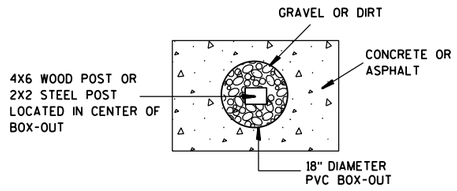
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

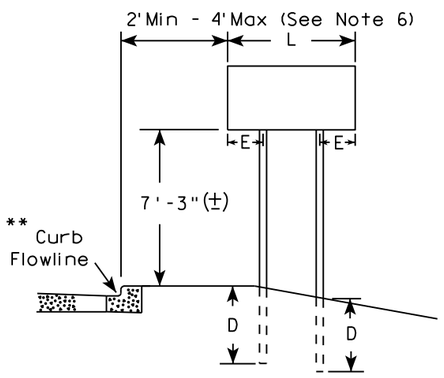
APPROVED Matthew R Rauch
for State Traffic Engineer

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

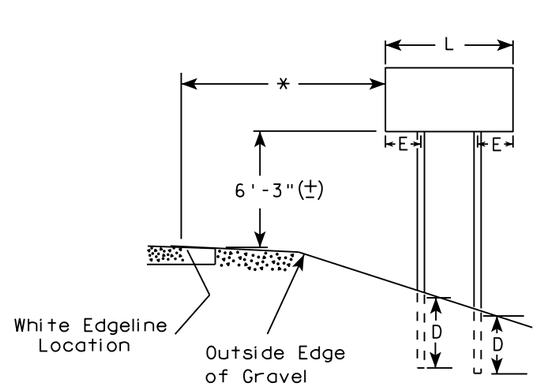
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

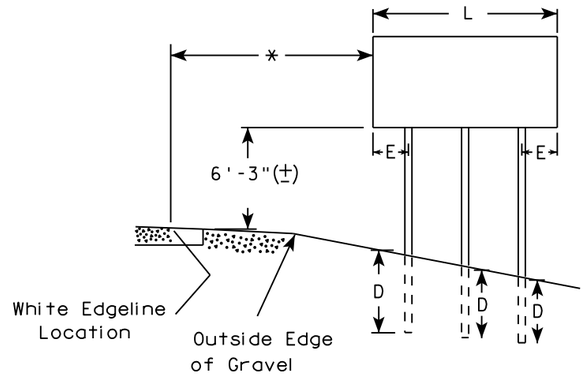
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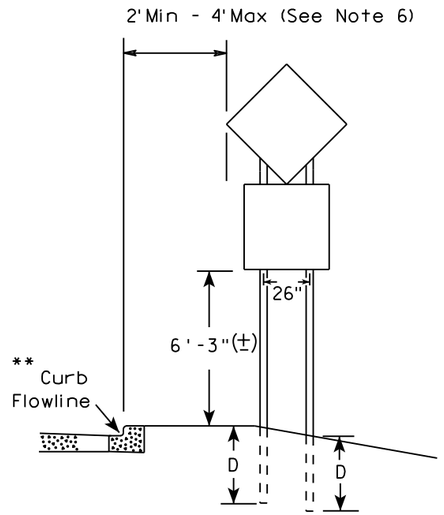
URBAN AREA



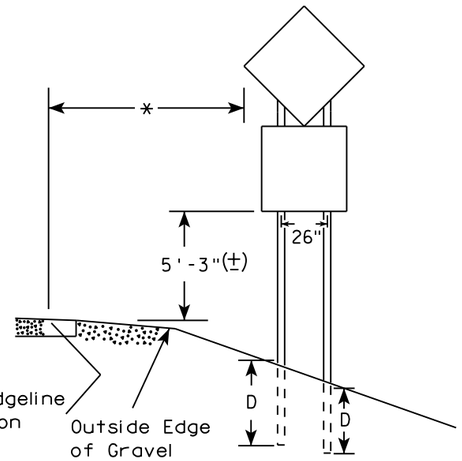
RURAL AREA (See Note 3)







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'

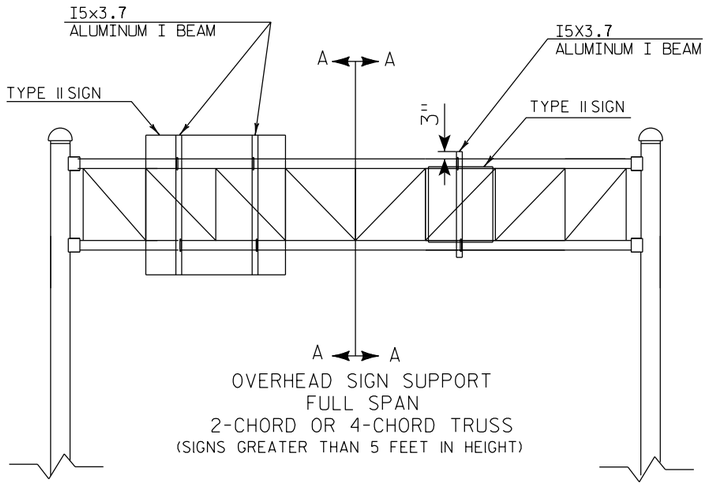
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

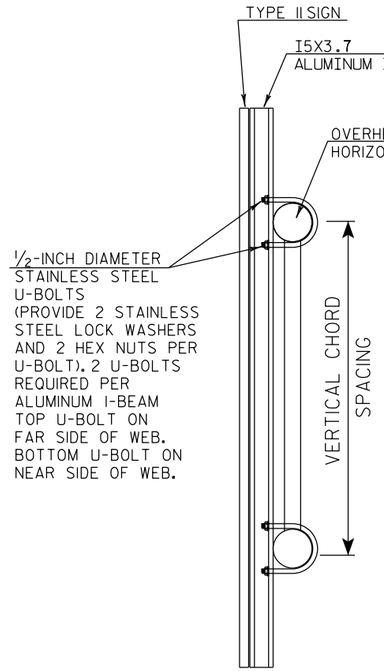
APPROVED Matthew R Rauch
For State Traffic Engineer

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

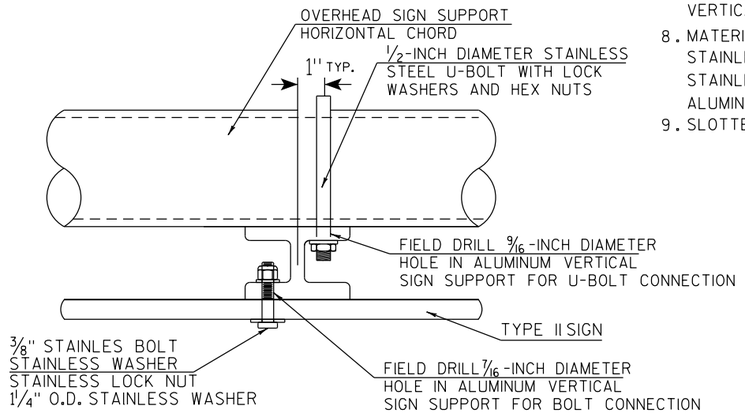
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 311	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



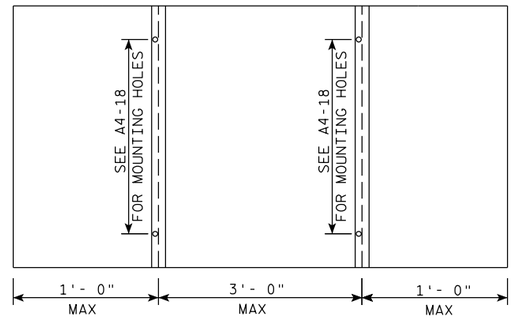
CUT SECTION A-A



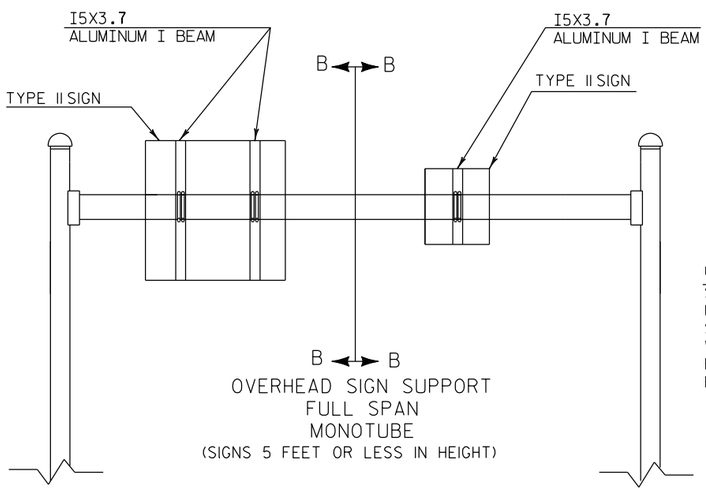
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

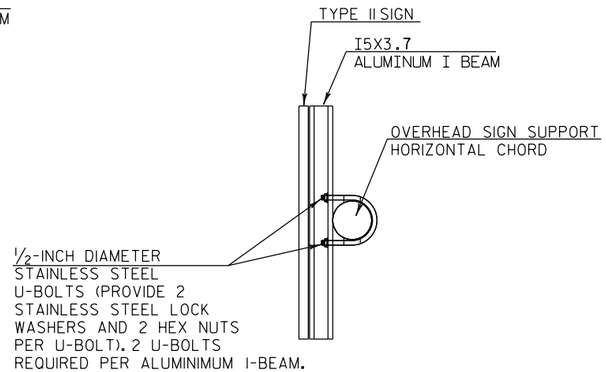
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



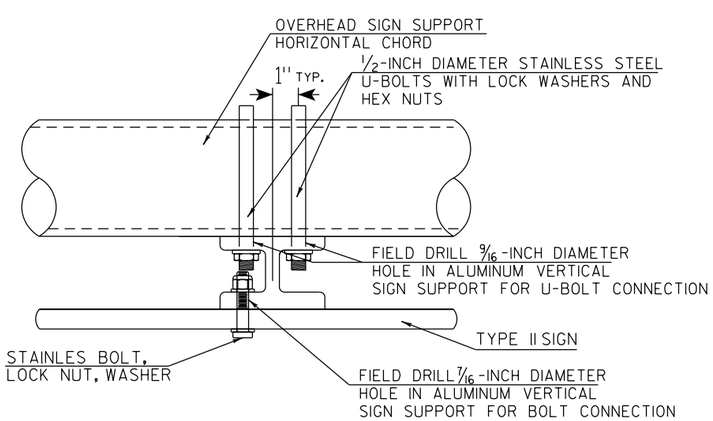
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



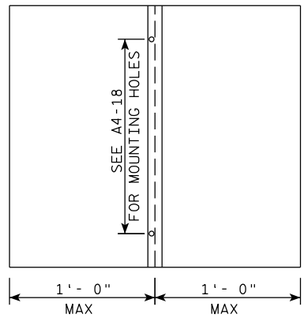
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

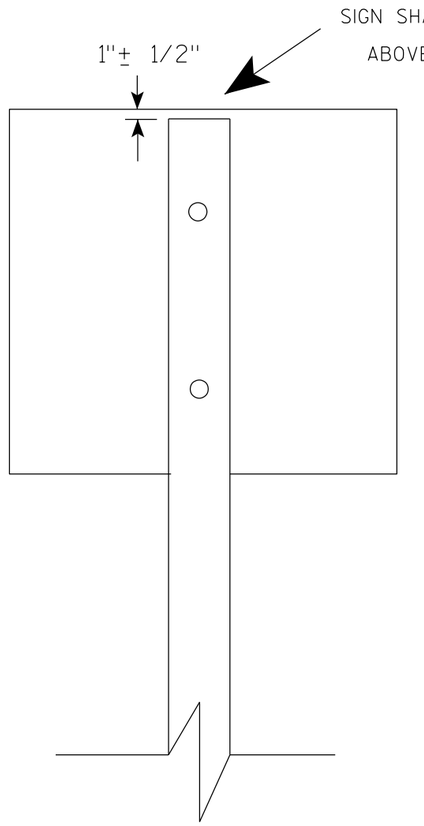
TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

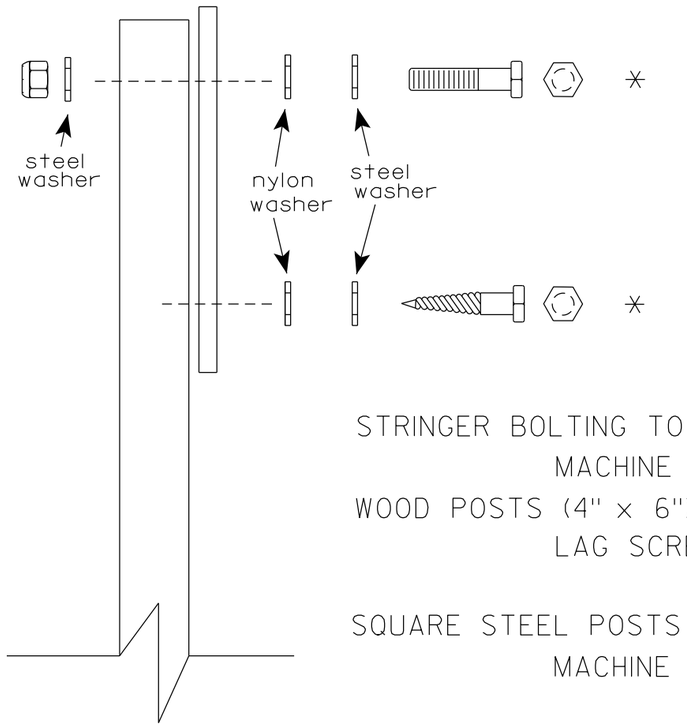
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 312	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

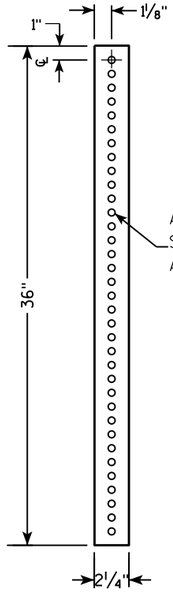
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

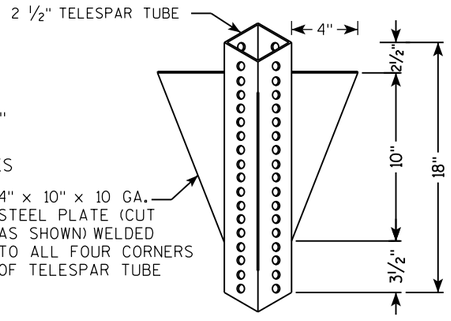
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

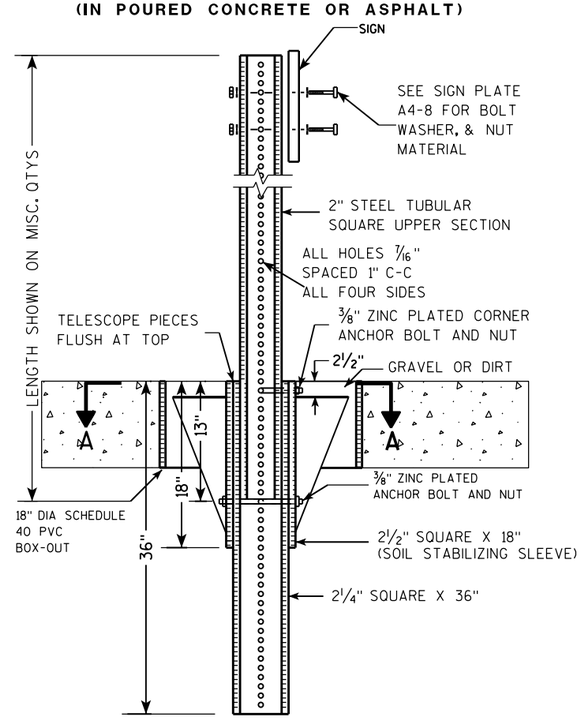
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



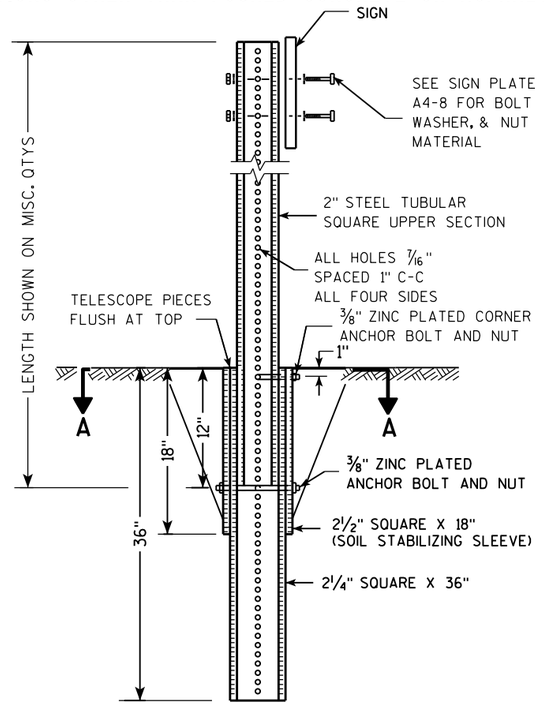
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

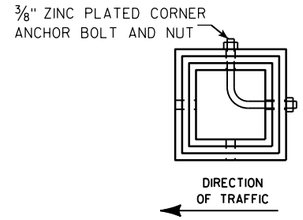


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

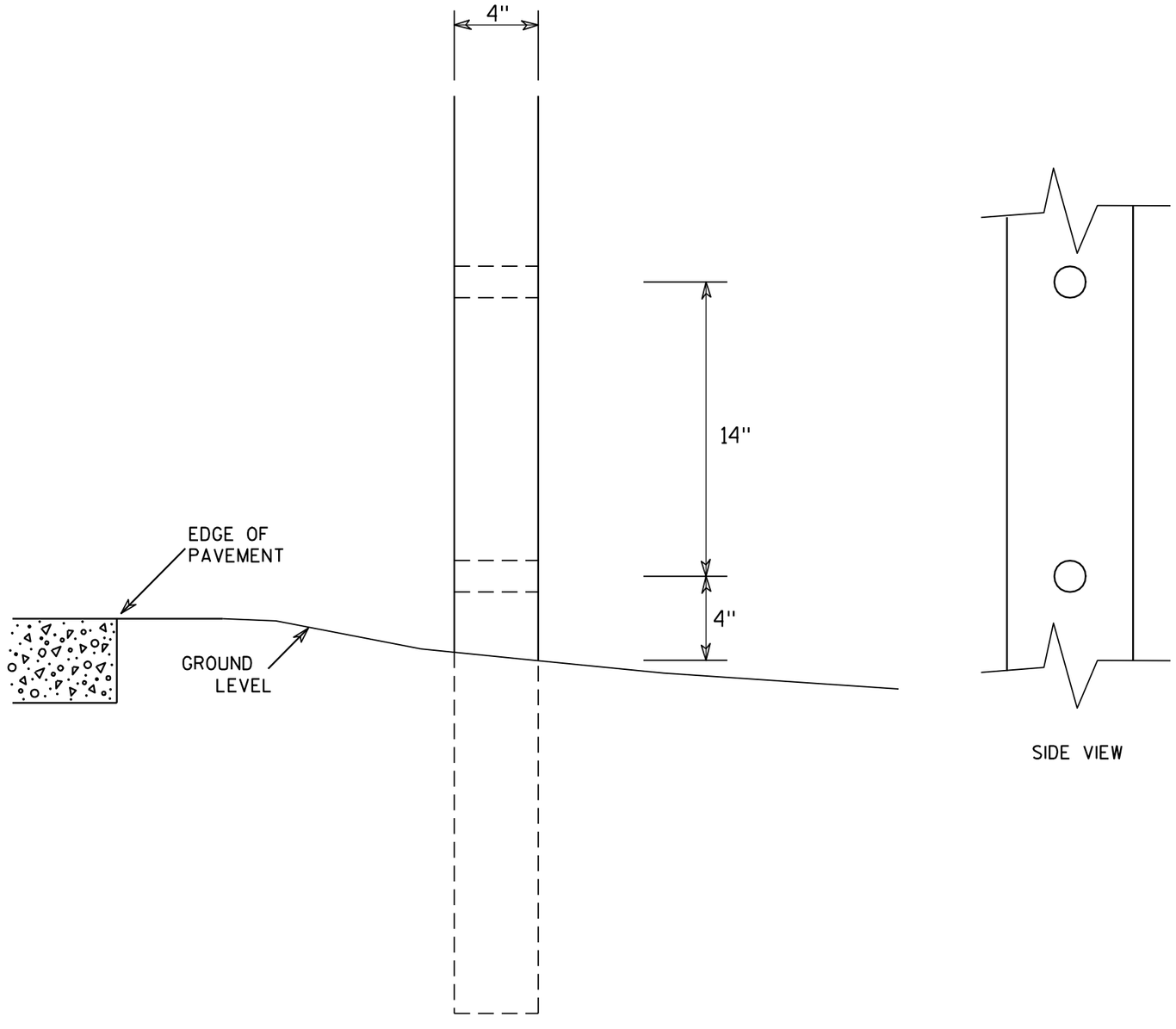
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 314 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

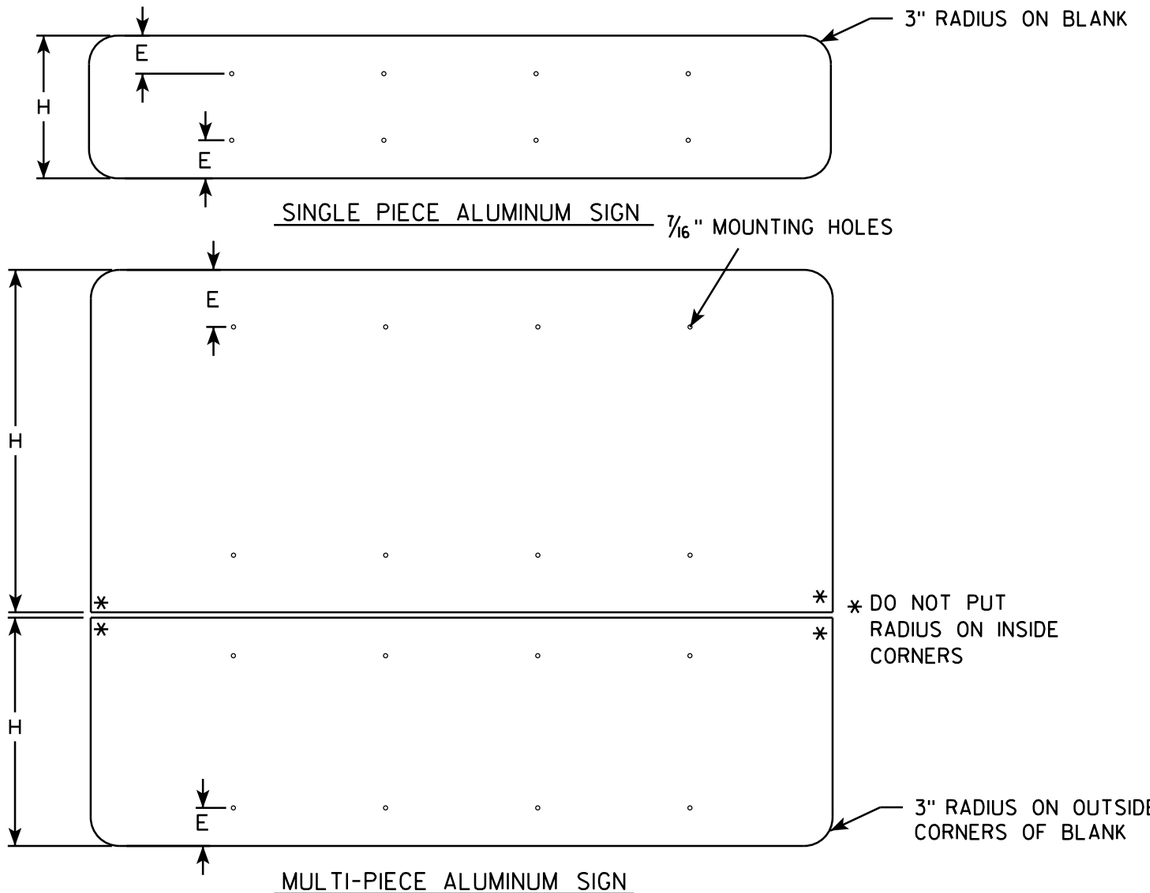
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang
for State Traffic Engineer

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

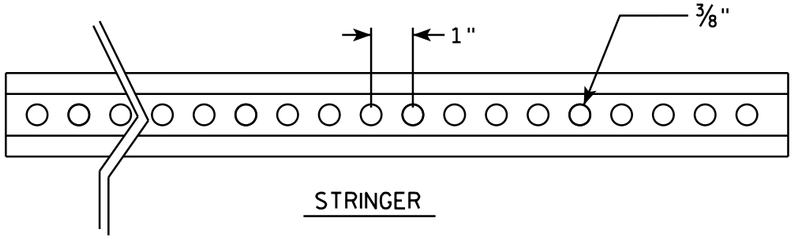
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 315	E



GENERAL NOTES

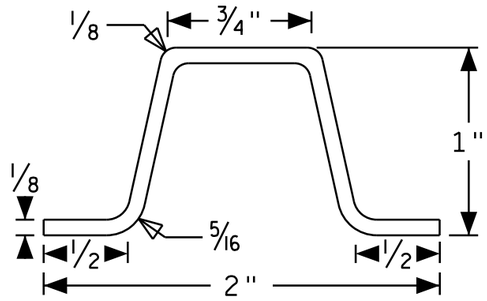
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"

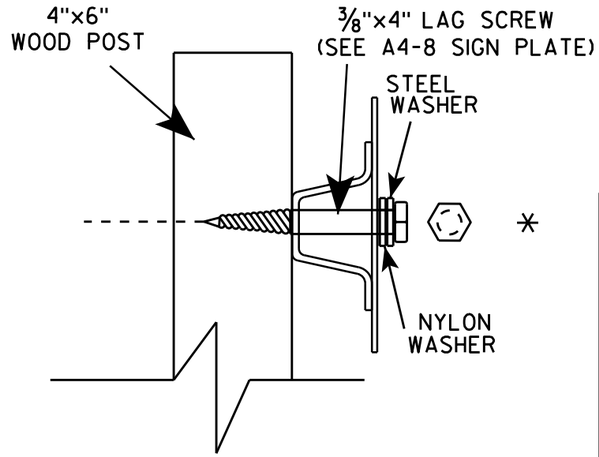


STRINGER

CROSS SECTION VIEW OF CHANNEL



POST MOUNTING



SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

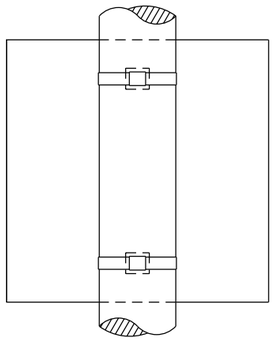
DATE 4/26/16 PLATE NO A4-18.1

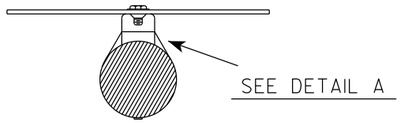
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

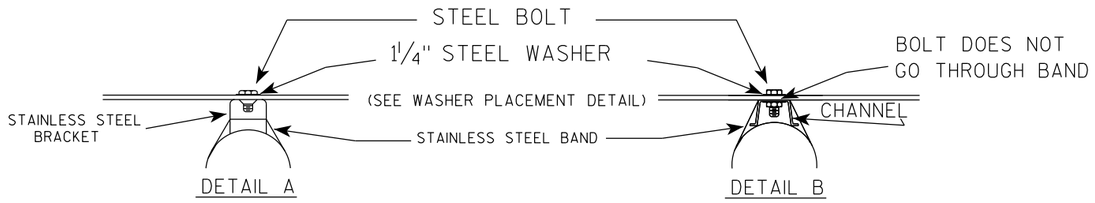
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A418.dgn PLOT DATE : 27-APR-2016 13:56 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 41.805205:1.000000 WISDOT/CADDS SHEET 42

BANDING

SINGLE SIGN



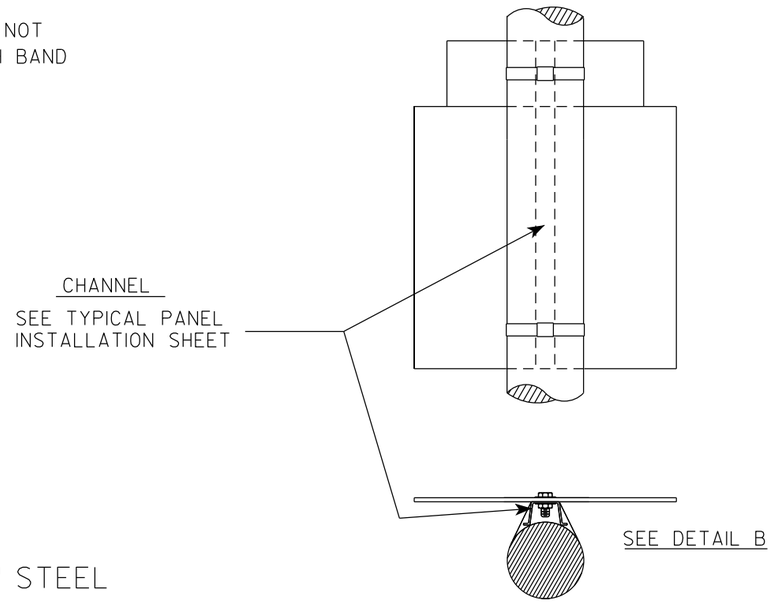




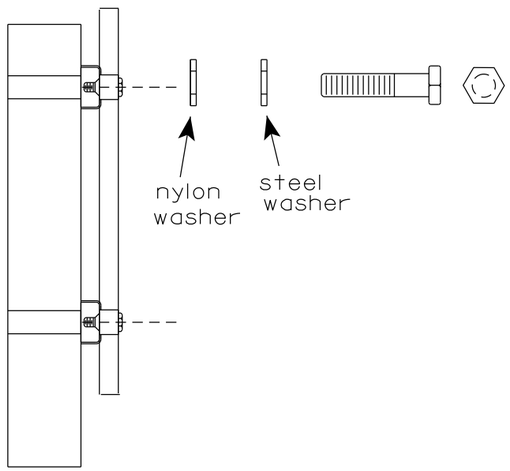
GENERAL NOTES

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

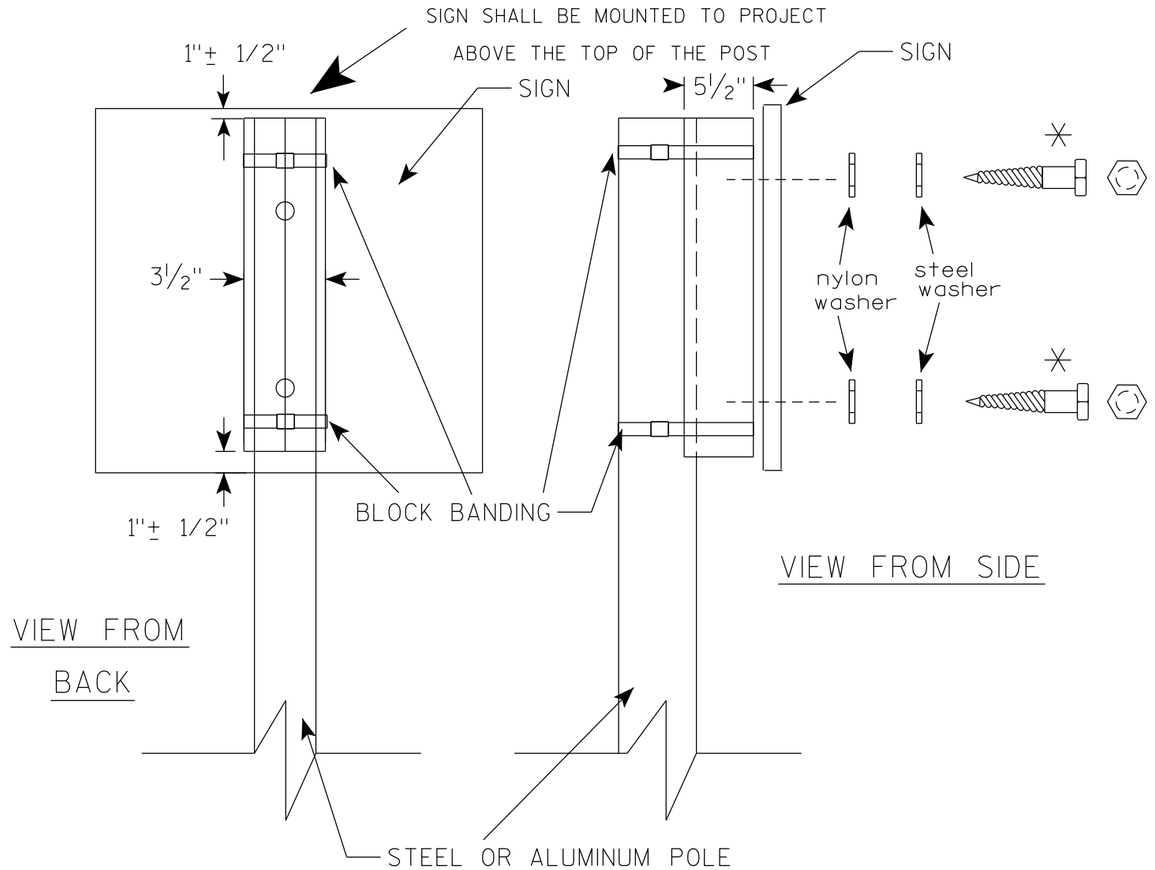
DATE 6/10/19 PLATE NO. A5-9.4

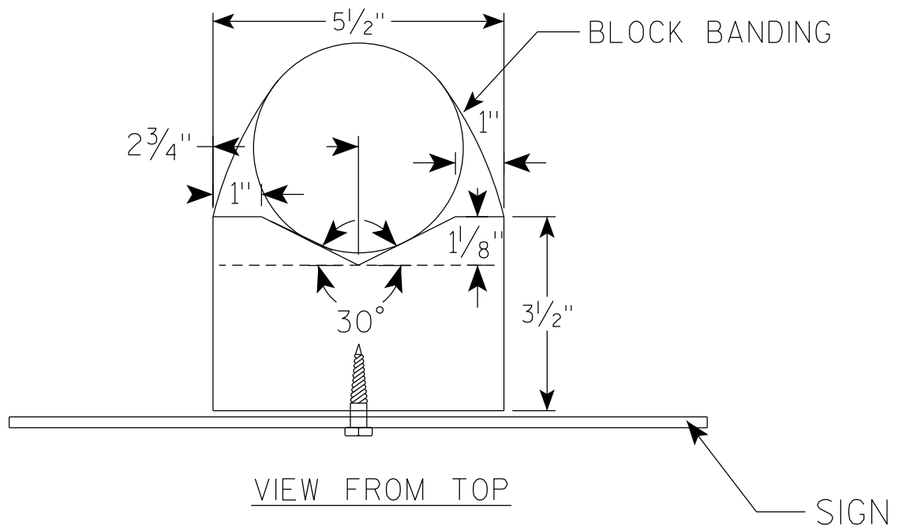
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 317	E

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"

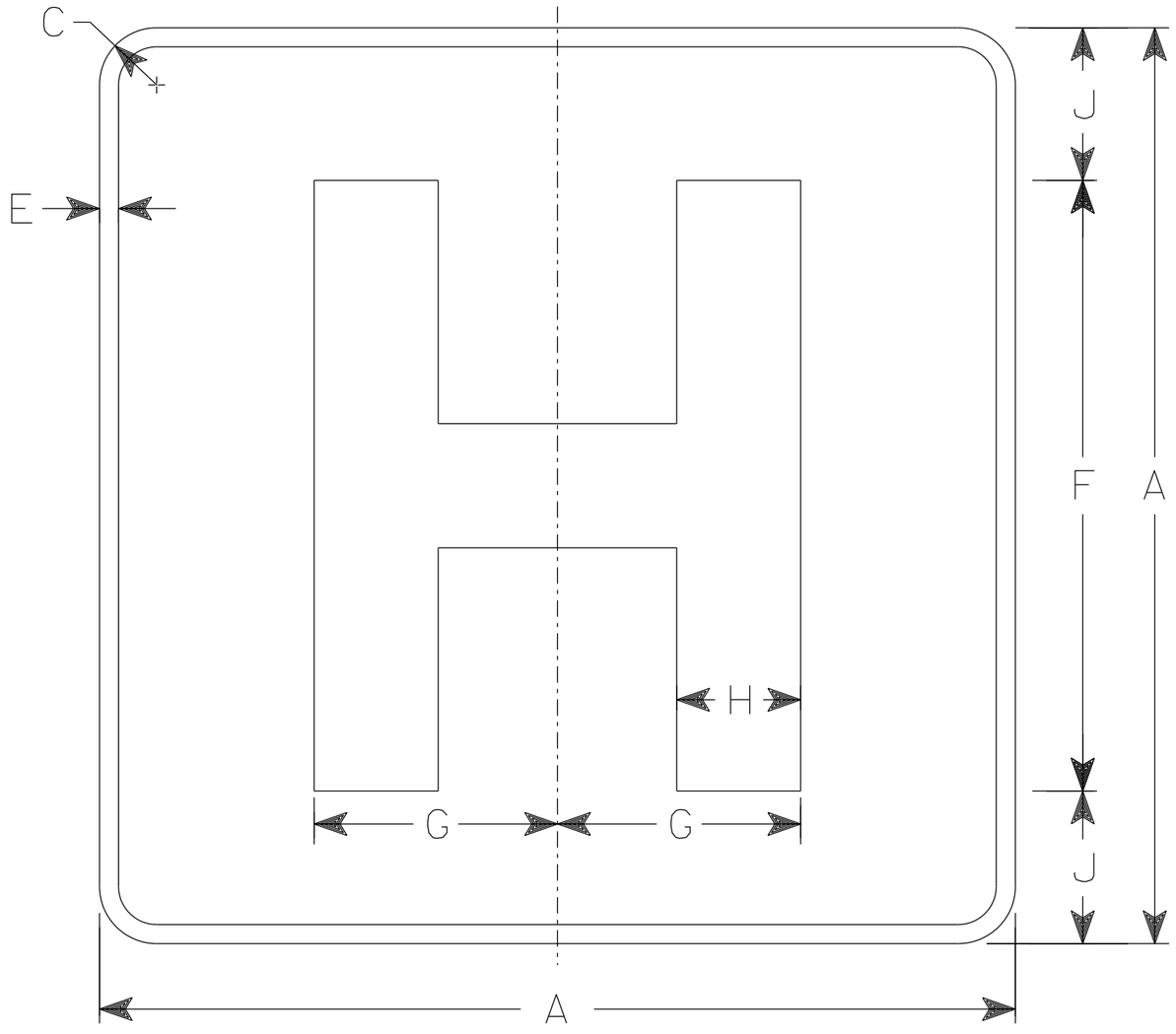
BLOCK BANDING DETAIL (V-BLOCK OPTION)

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: 318	E



D9-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Blue
   Message - White
3. Message Series - E Modified
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	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	2.25
2S	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
2M	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

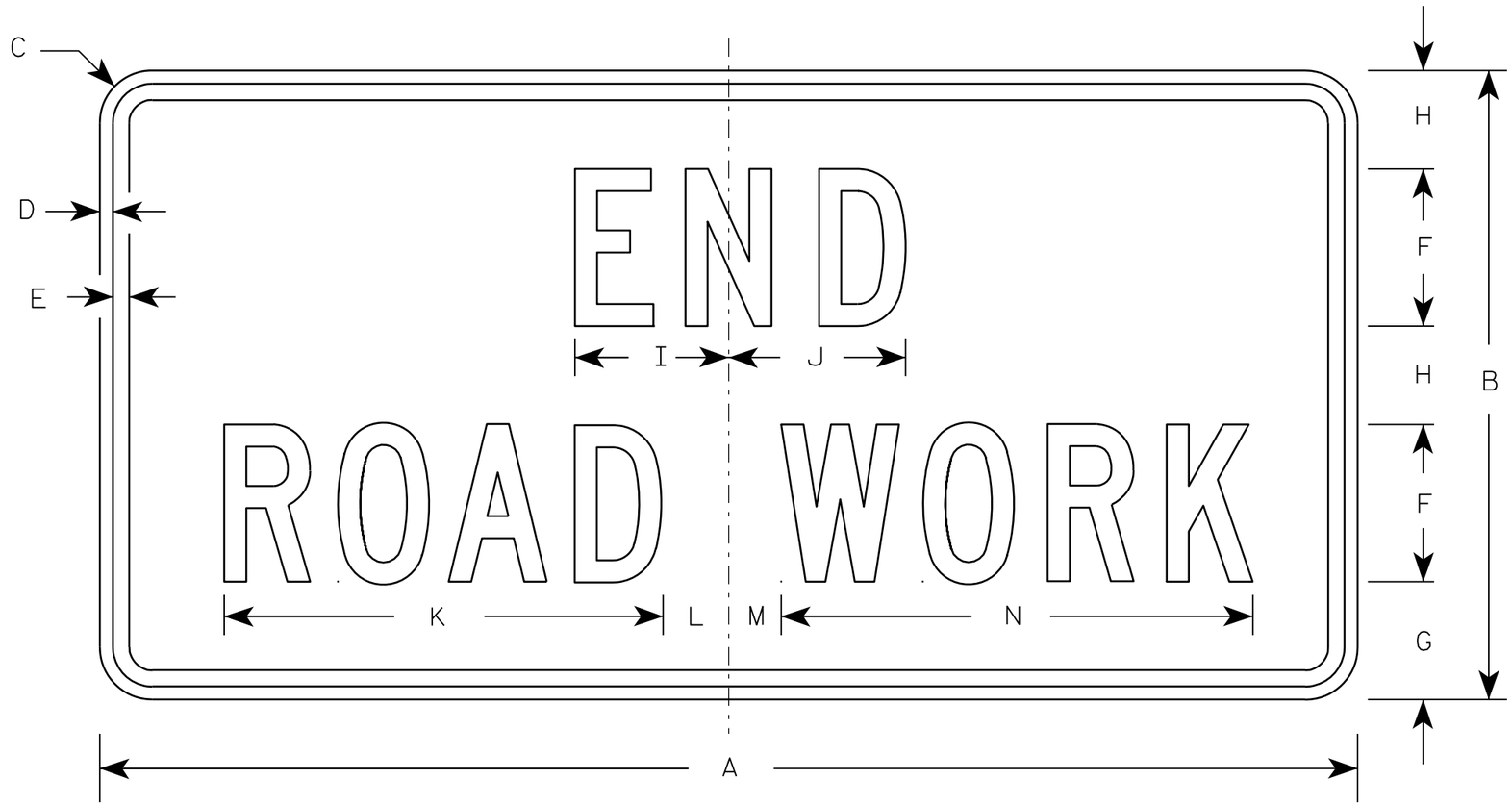
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/28/21 PLATE NO. D9-2.5

PROJECT NO:

SHEET NO: 319 E



G20-2A

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

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

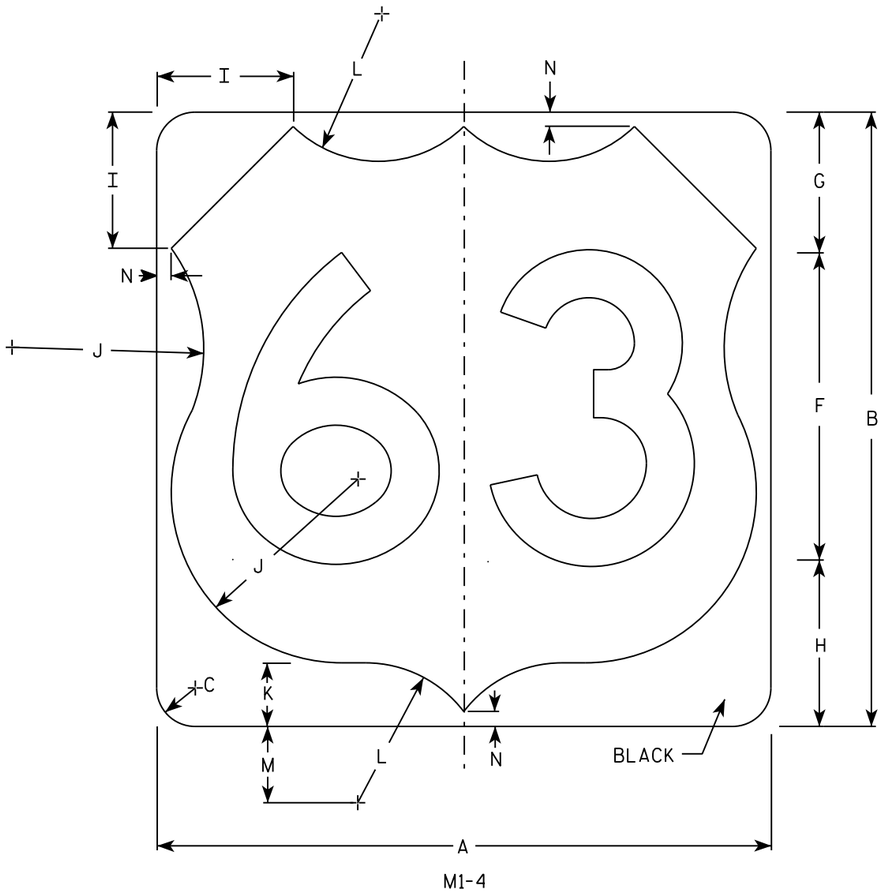
APPROVED Matthew R Rauch
for State Traffic Engineer

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

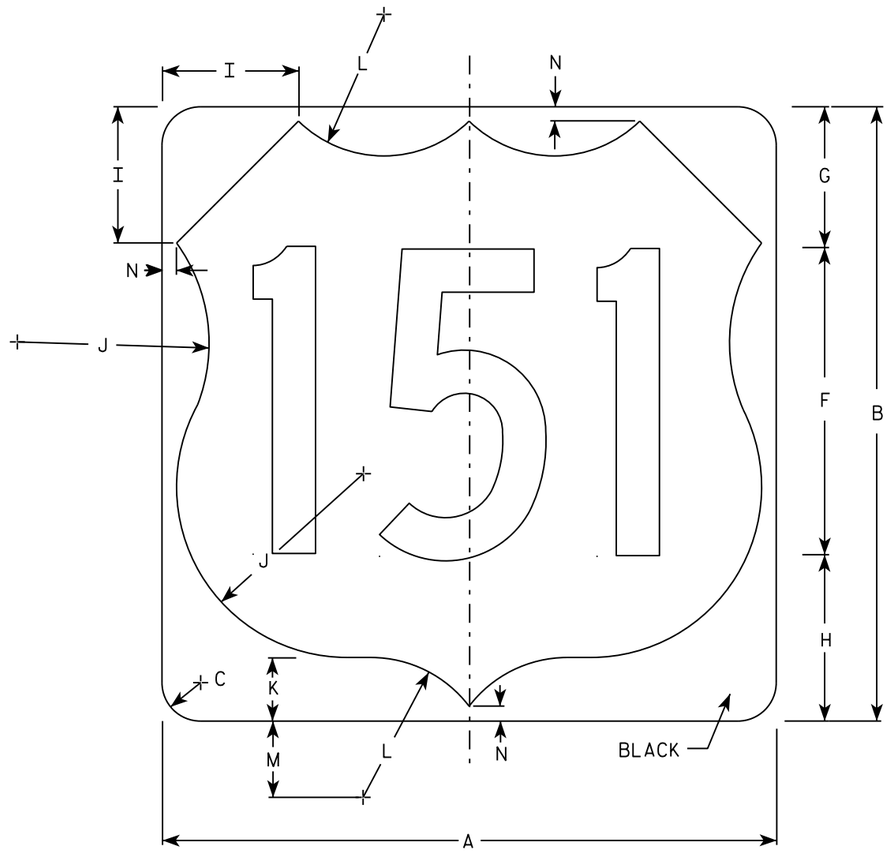
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 320	E

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.



M1-4



M1-4

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	24	1 1/2			12	5 1/2	6 1/2	5	7 1/2	2 1/2	5 1/2	3	1/2													4.0
3	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
4	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0
5	36	36	2 1/4			18	8 1/4	9 1/4	7 1/4	11 1/4	3 3/4	8 1/4	4 1/2	3/4													9.0

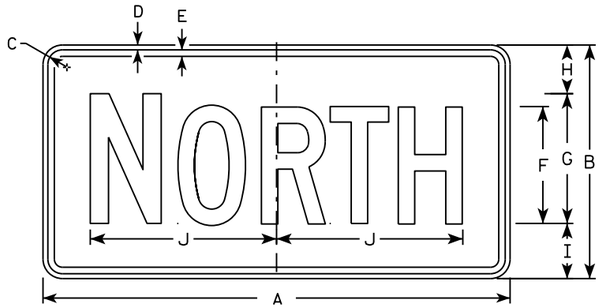
USH MARKER
M1-4 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

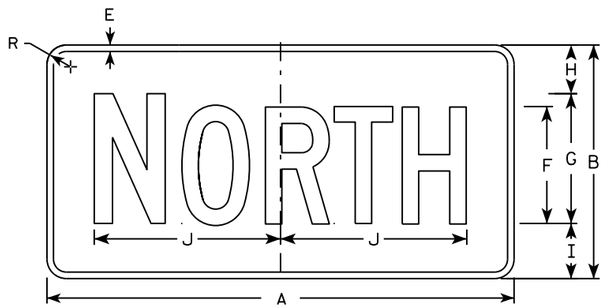
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-4.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 321	E



M3-1
MM3-1
MP3-1



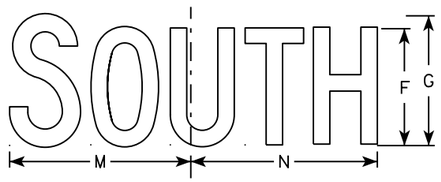
MB3-1
MK3-1
MN3-1



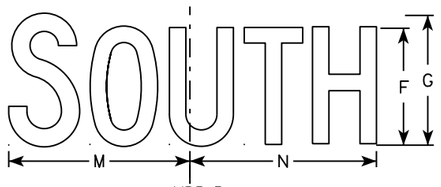
M3-2
MM3-2
MP3-2



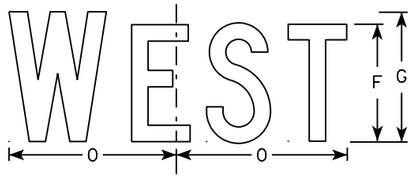
MB3-2
MK3-2
MN3-2



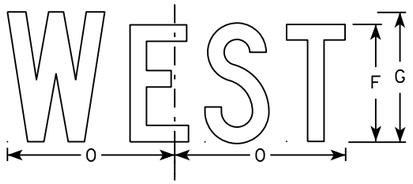
M3-3
MM3-3
MP3-3



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

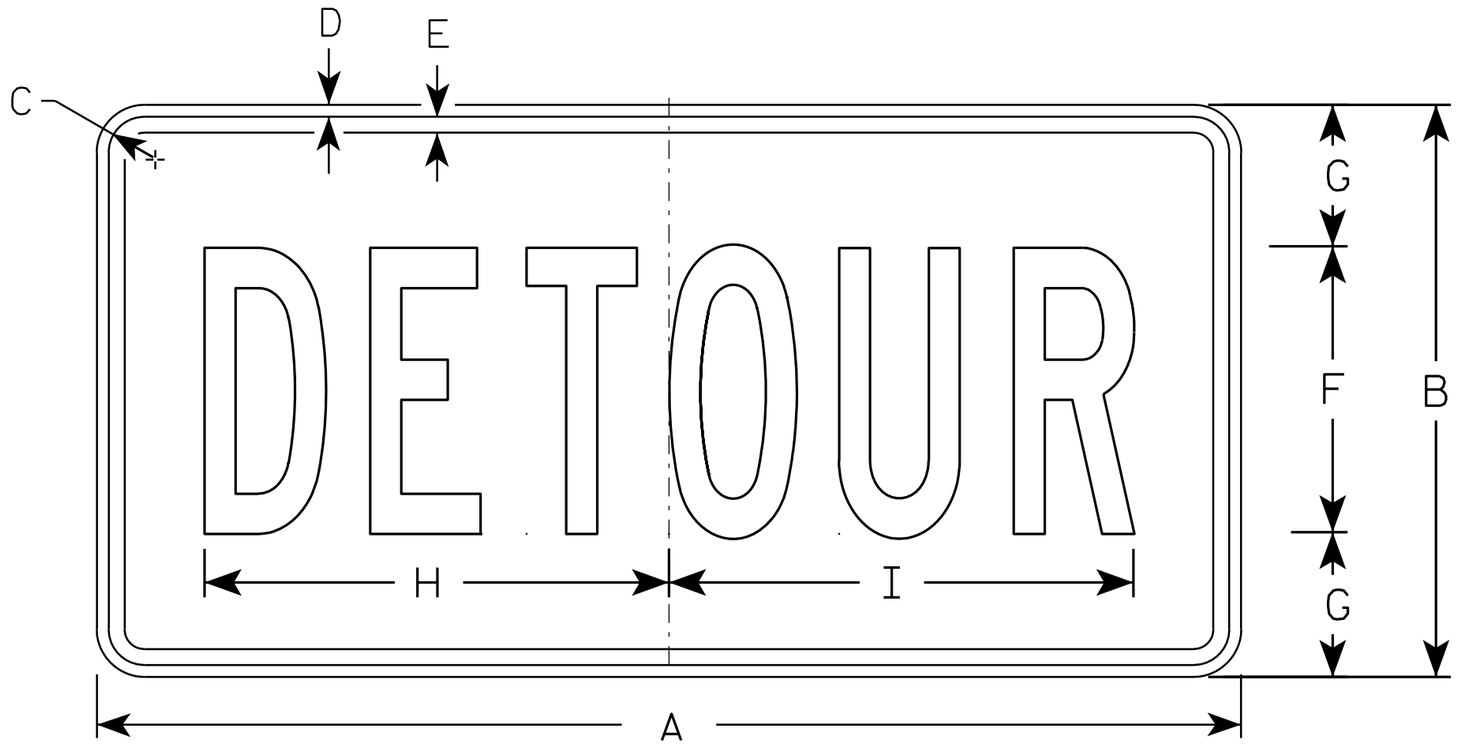
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-8

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 - B
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	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

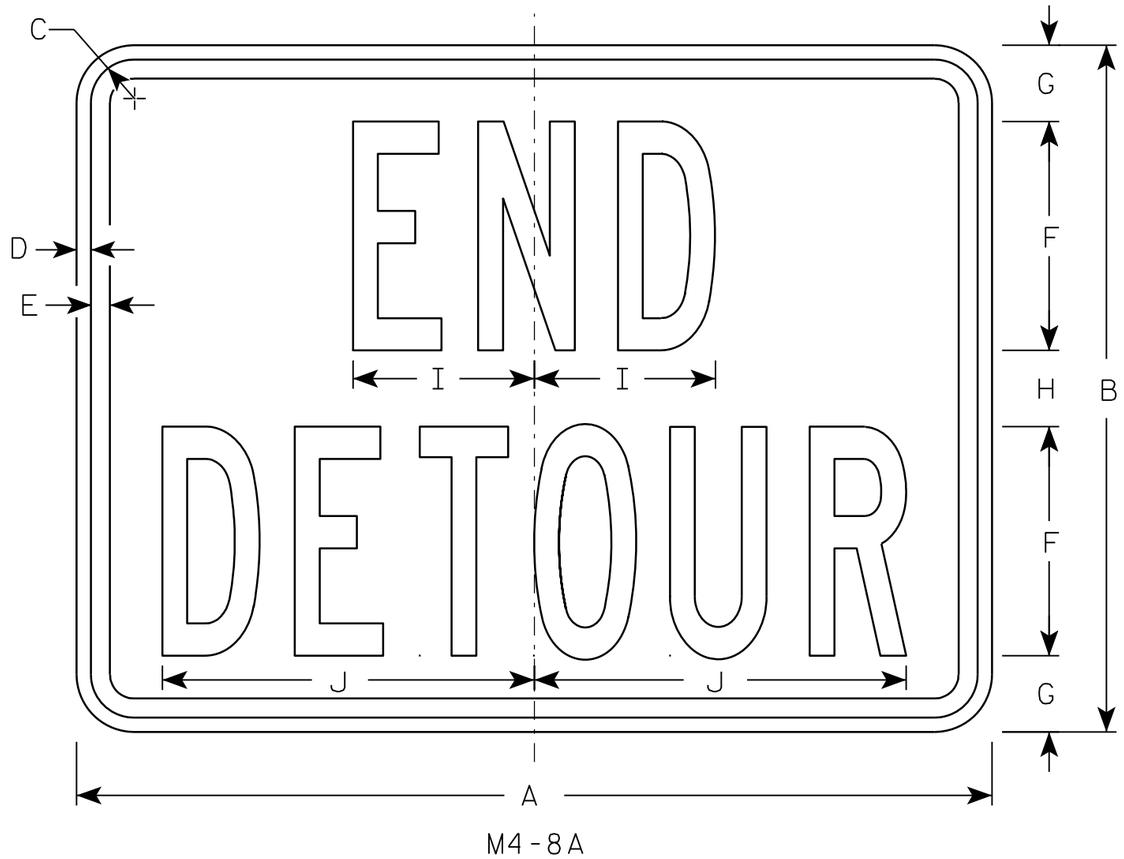
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



M4-8A

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 - B
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	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

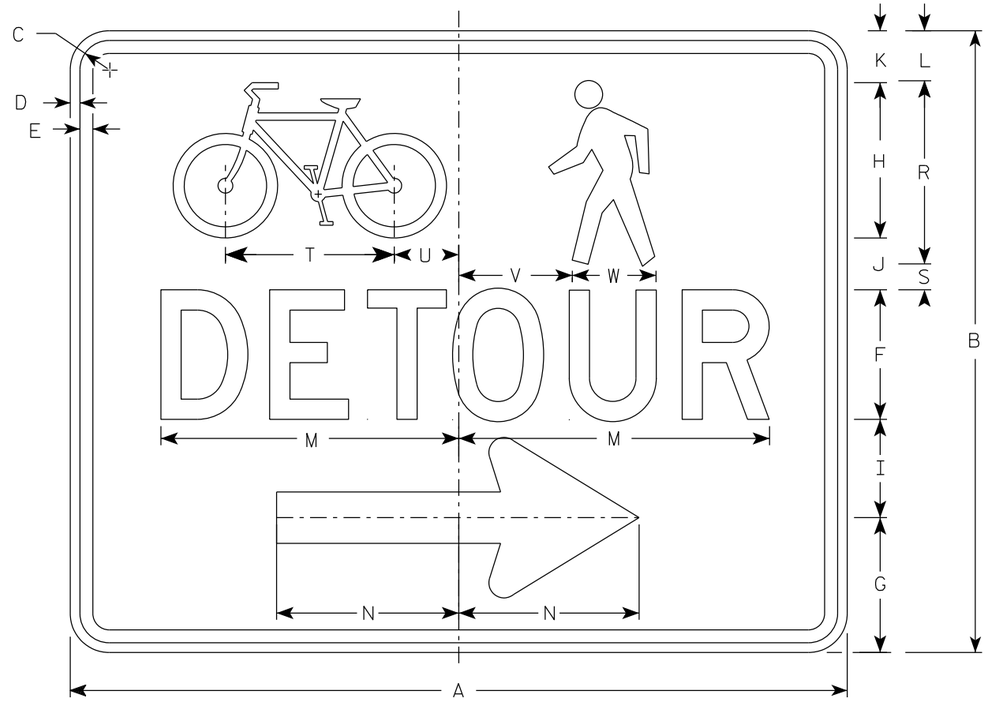
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

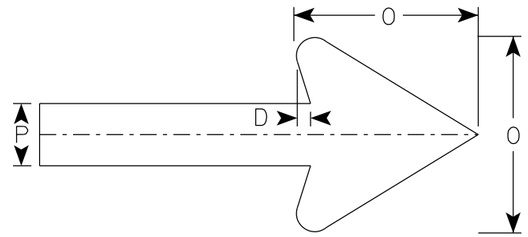
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 324	E



M4-9AR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9AL is the same as M4-9AR except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	6	3 3/4	2	2	1 7/8	11 3/4	7	6	2		7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

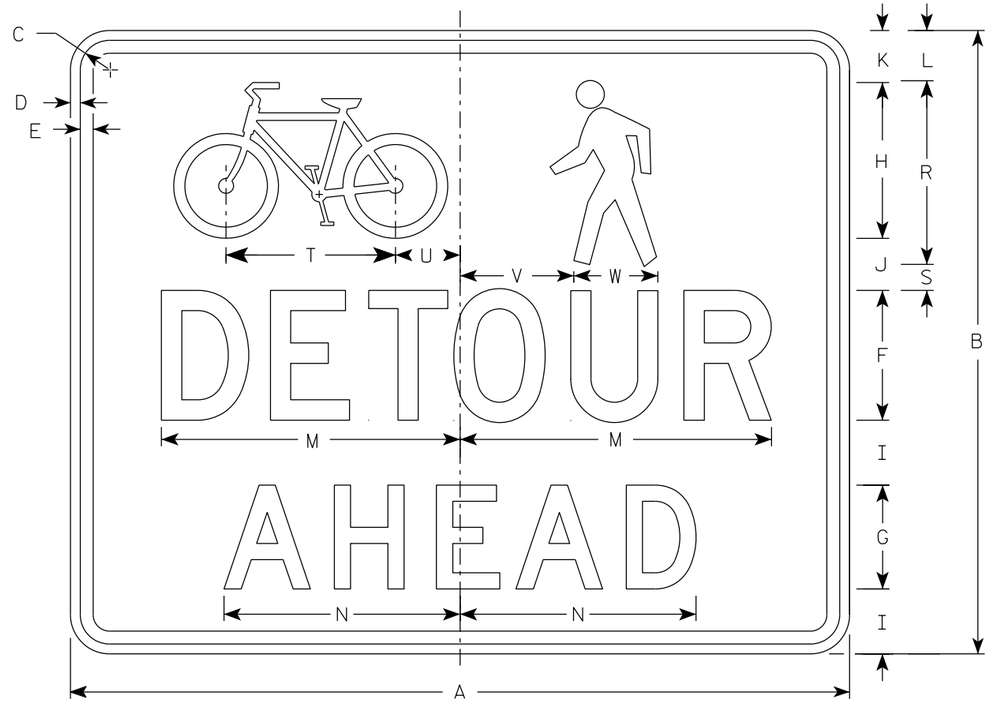
STANDARD SIGN
M4-9A L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/2/19 PLATE NO. M4-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 | E



M4-9AA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	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	30	24	1 1/8	3/8	1/2	5	4	6	2 1/2	2	2	1 7/8	11 3/4	9 1/8				7 1/8	1	6 1/2	2 1/2	4 3/8	3 1/4				5.00
3																											
4																											
5																											

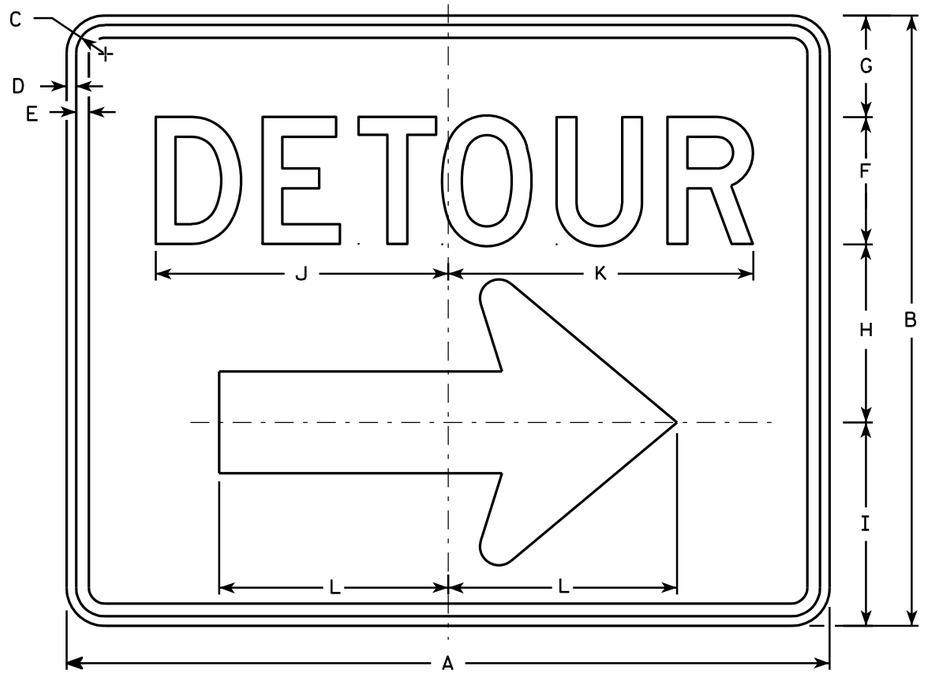
STANDARD SIGN
M4-9AA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/7/2020 PLATE NO. M4-9AA.1

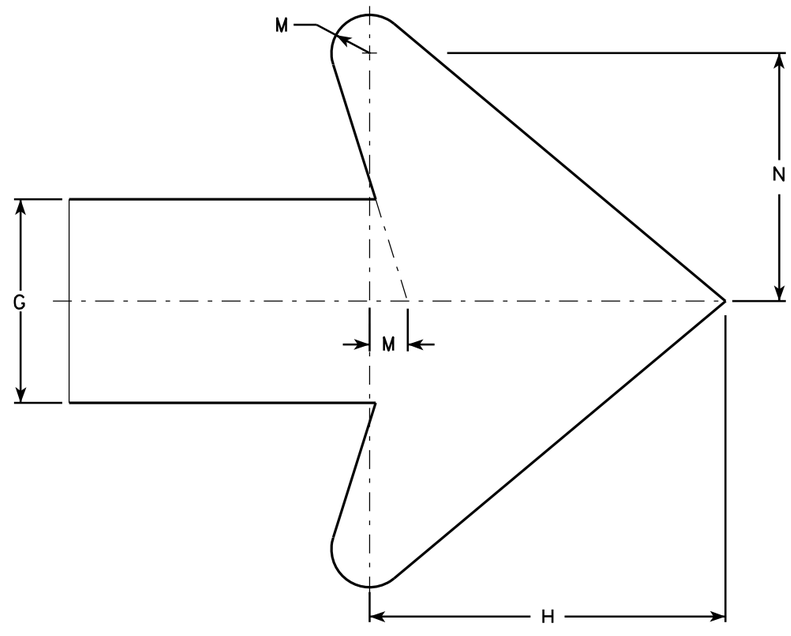
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 326	E



M4-9R

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 - 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. M4-9L is the same as M4-9R except the arrow is reversed.



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																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

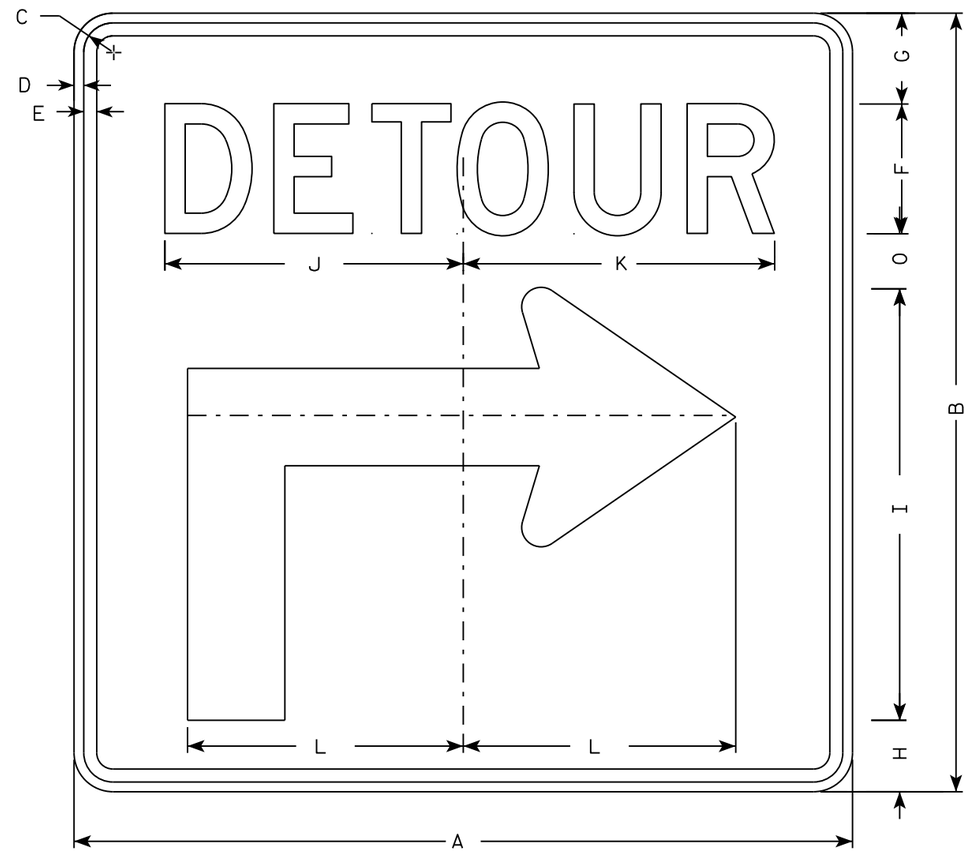
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

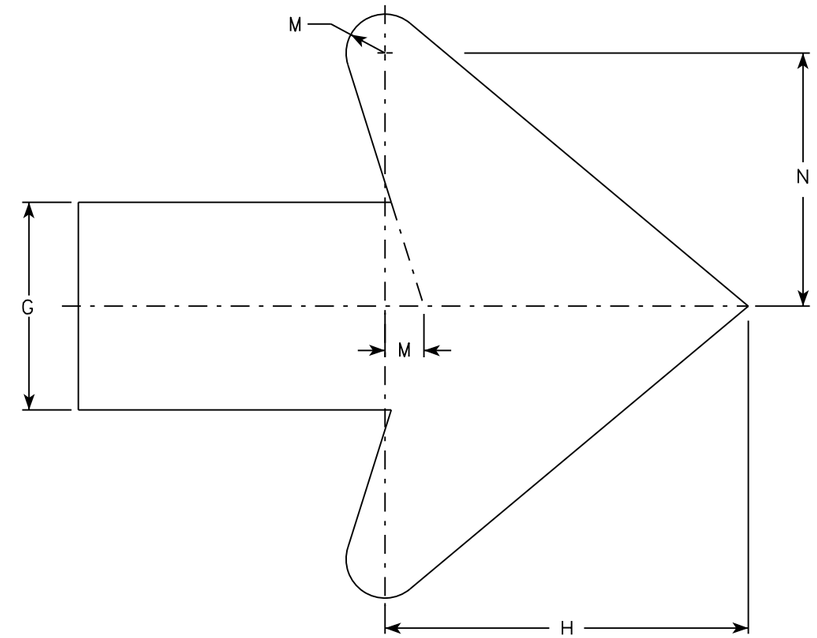
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 | E



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown when base material is metal.
5. M4-59L is the same as M4-59R except the arrow is reversed.



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																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

STANDARD SIGN
M4-59 L&R

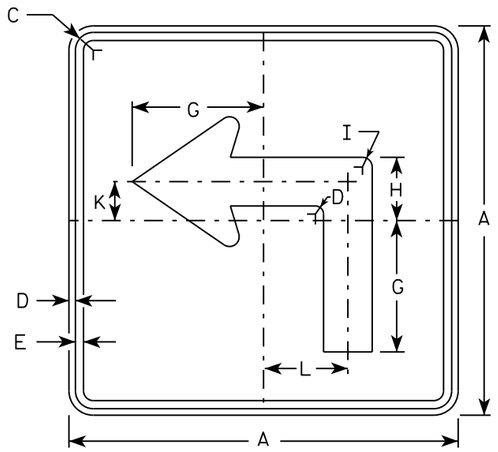
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

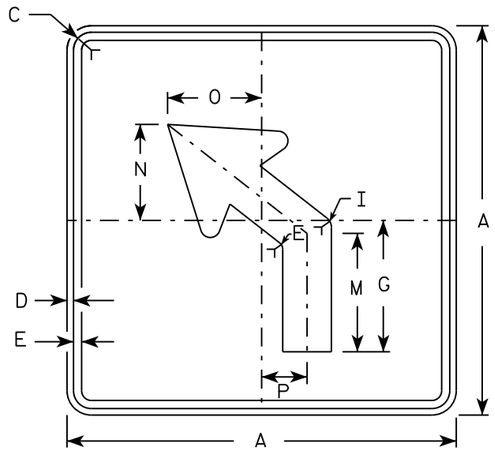
DATE 11/10/15 PLATE M4-59.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

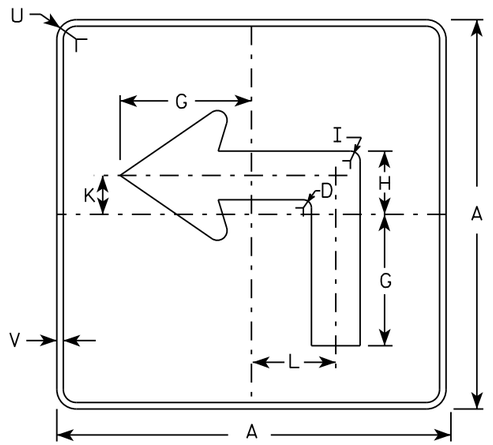
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M459.DGN PLOT DATE : 01-DEC-2015 18:05 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



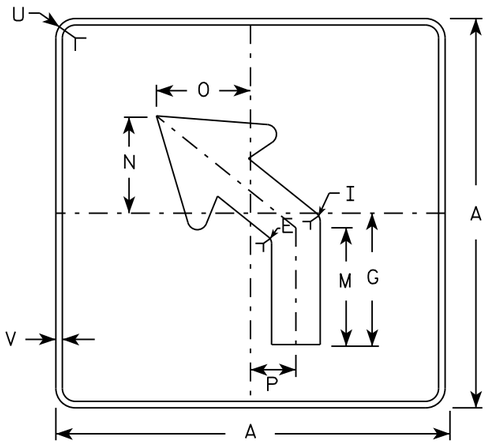
M5-1L
MM5-1L
MO5-1L
MP5-1L



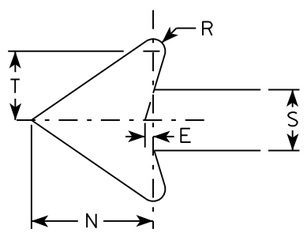
M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

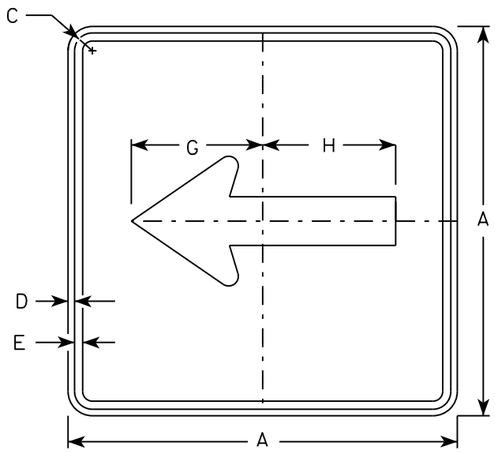
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

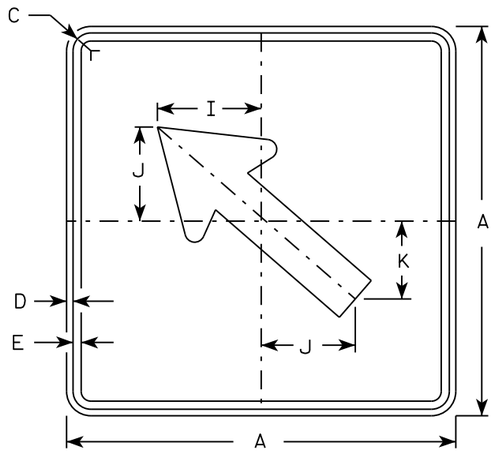
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



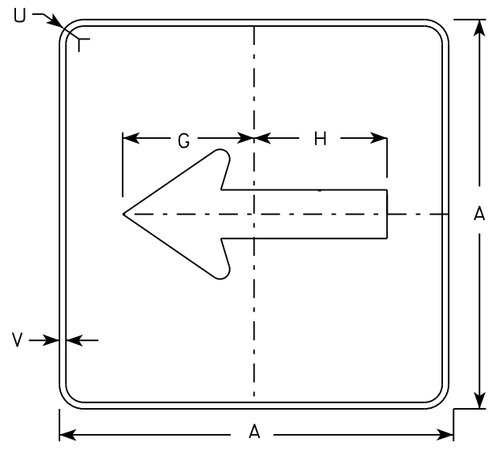
M6-1
MM6-1
MO6-1
MP6-1



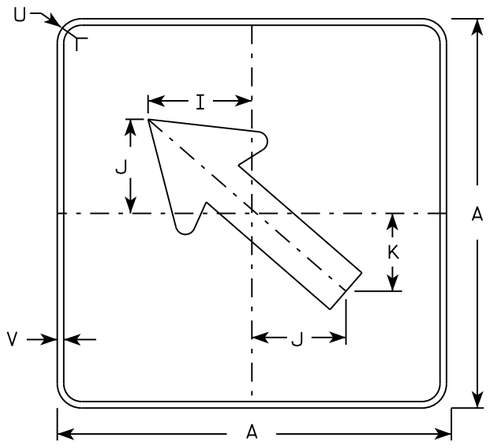
M6-2
MM6-2
MO6-2
MP6-2

NOTES

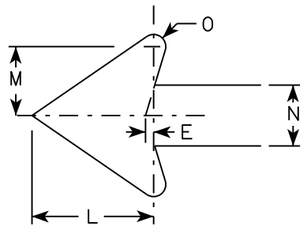
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



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	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

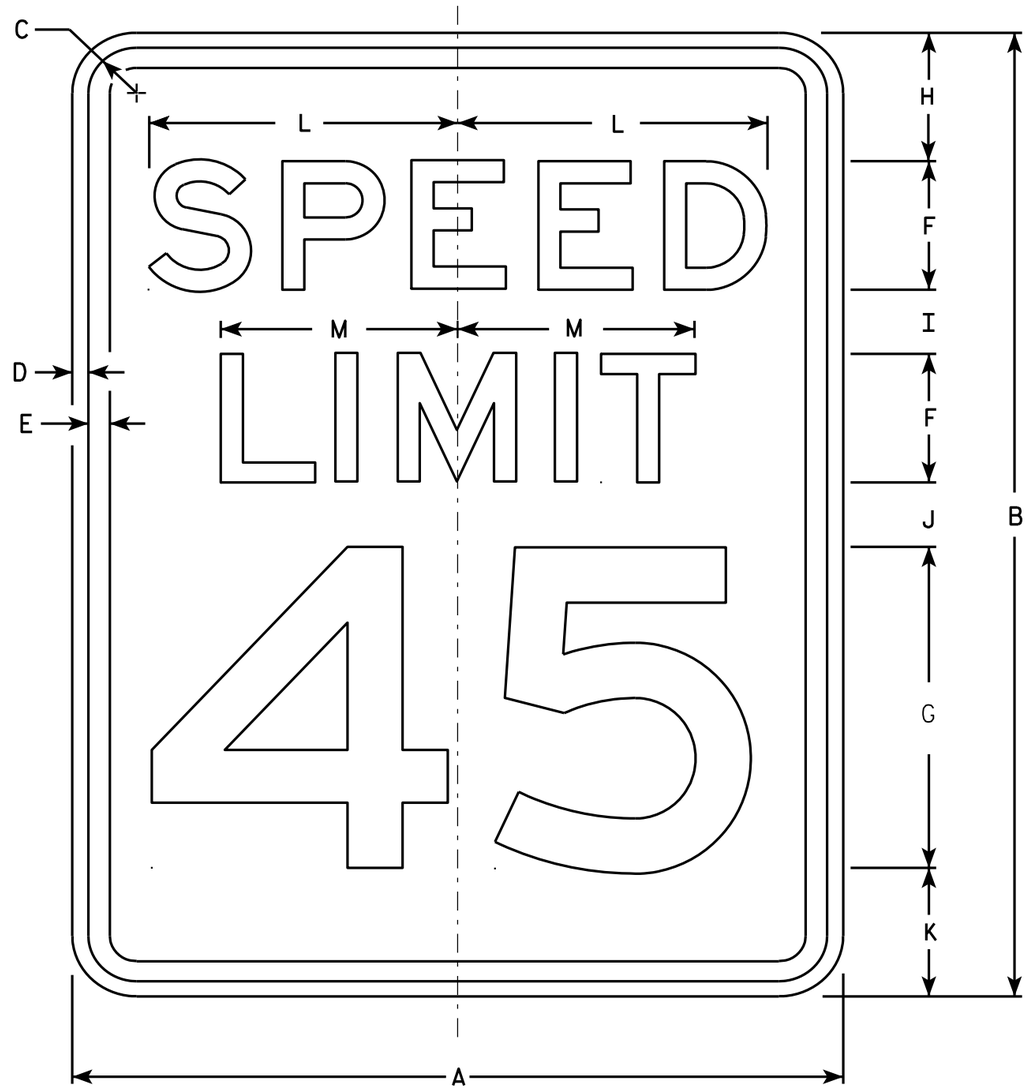
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 330 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



R2-1

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 - E
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. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

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	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

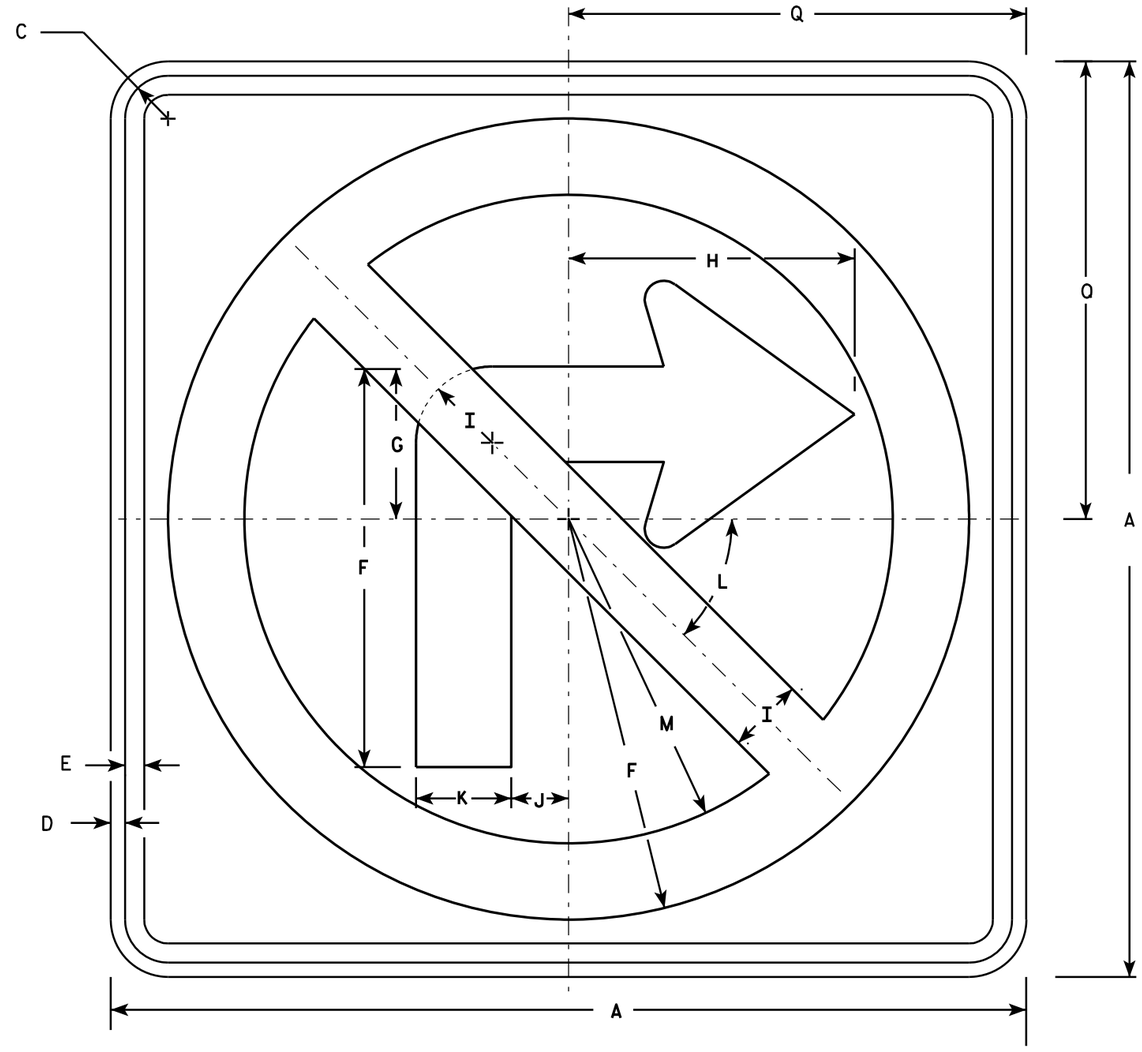
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

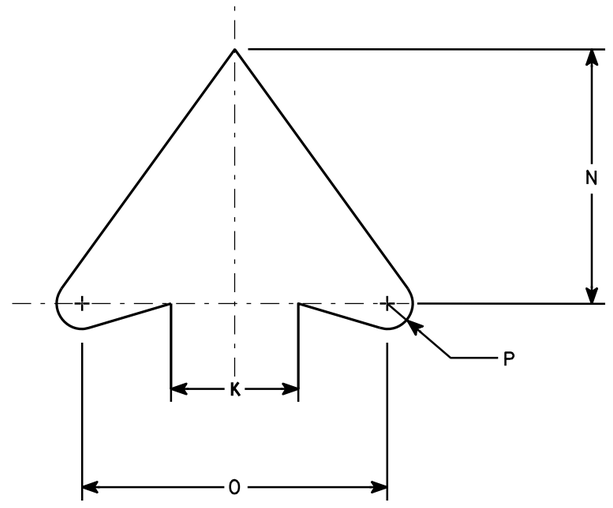
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 331 | E



R3-1

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

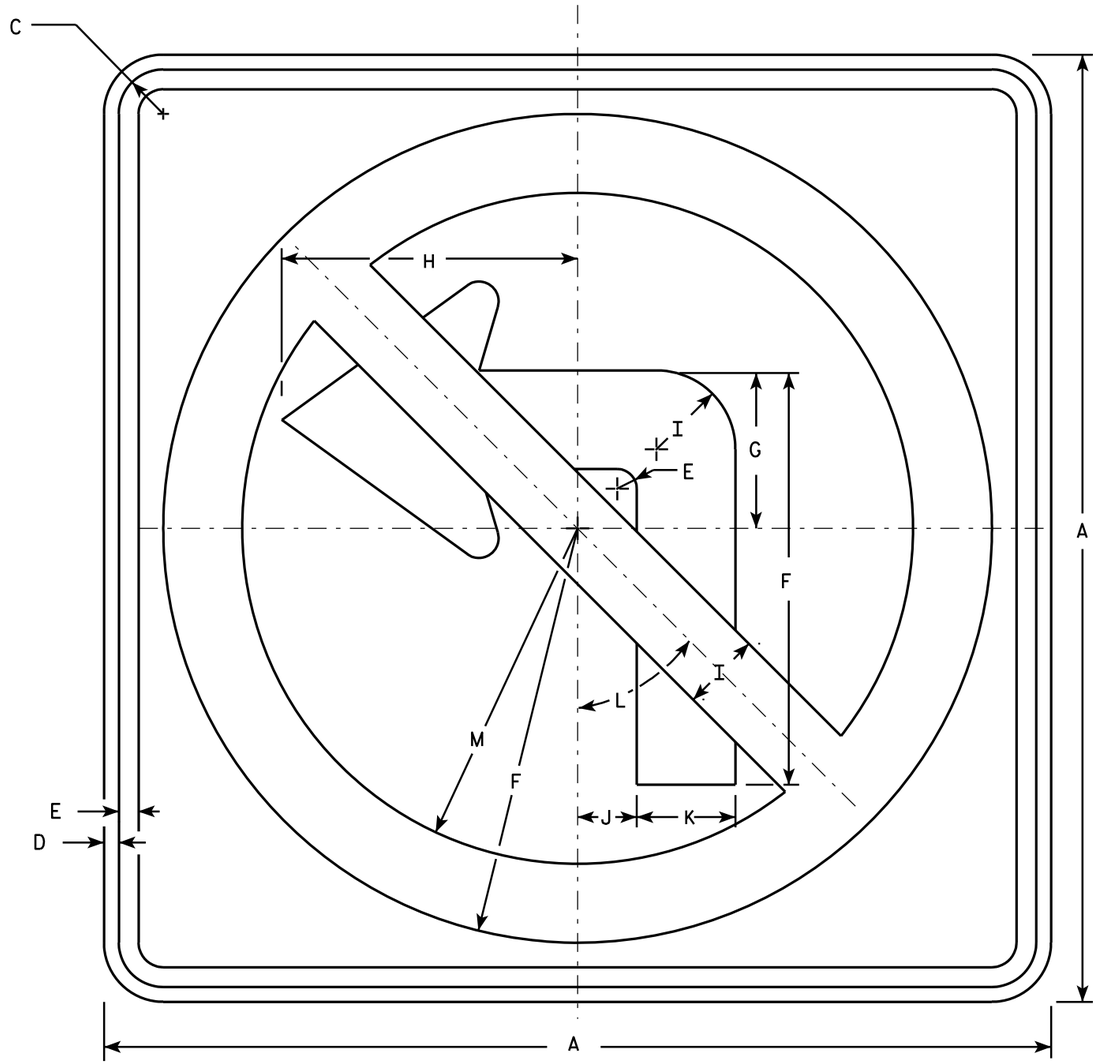
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

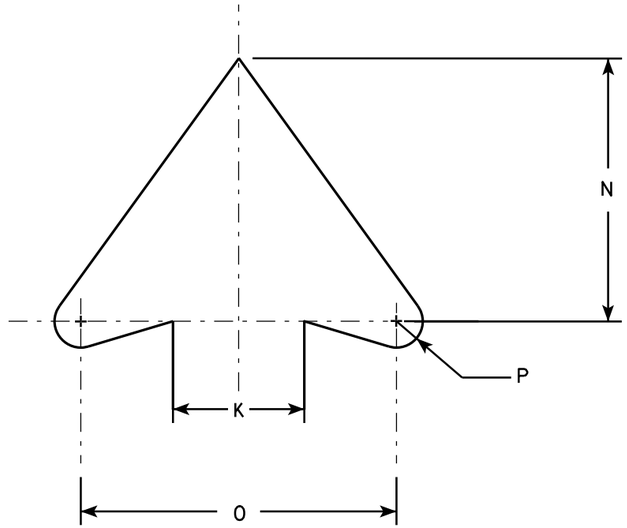
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 332	E



R3-2

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

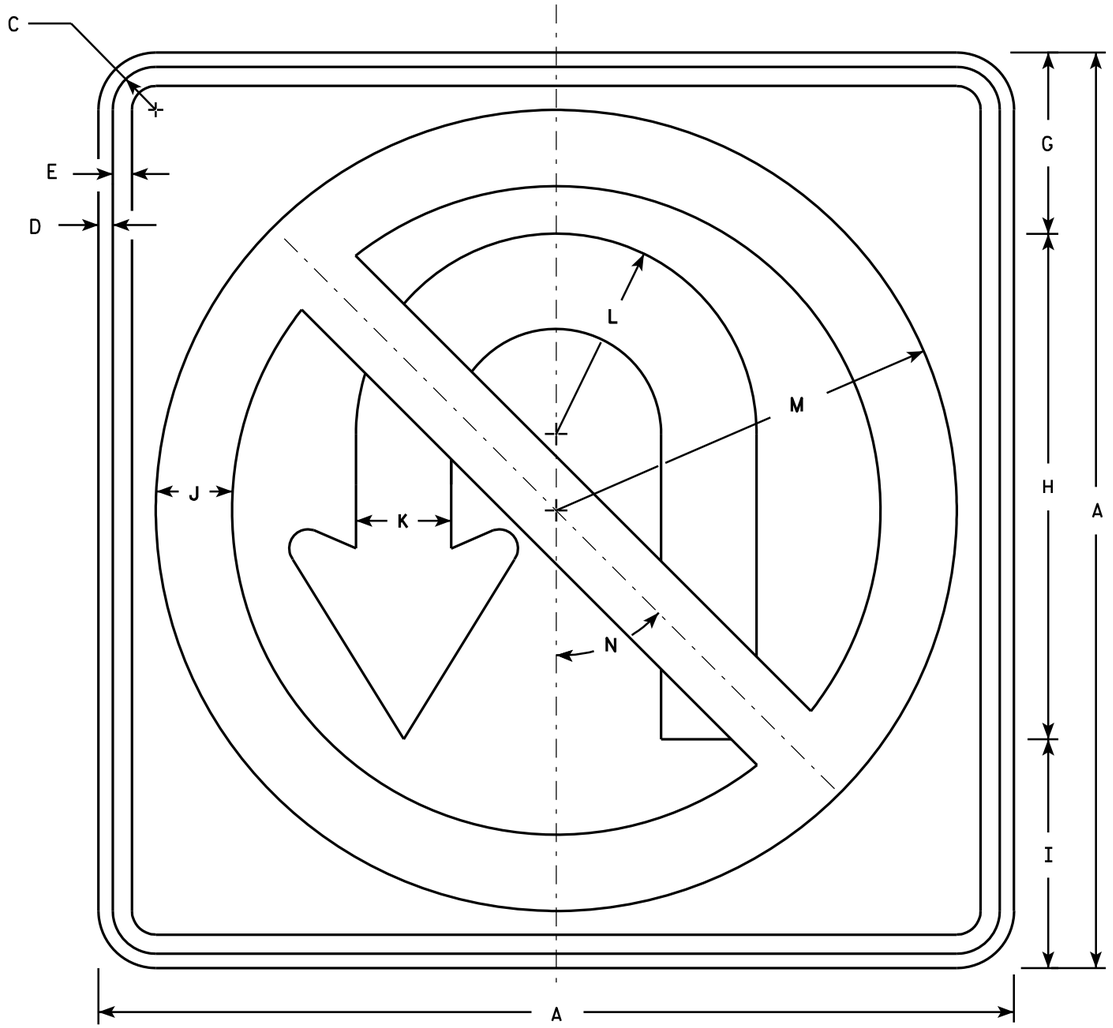
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

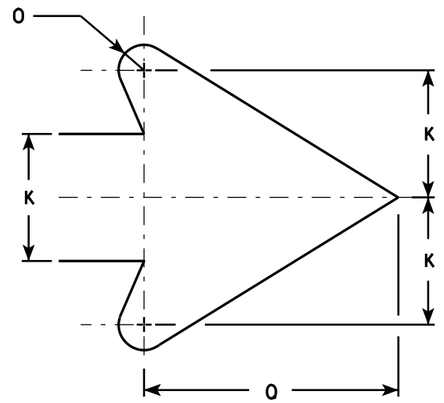
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 333	E



R3-4

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

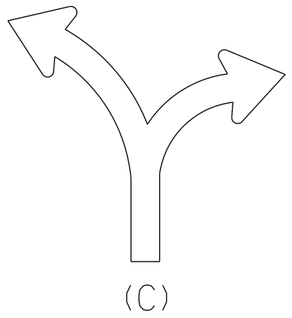
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 334	E

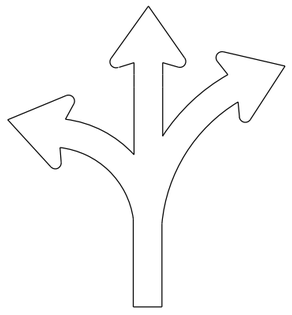


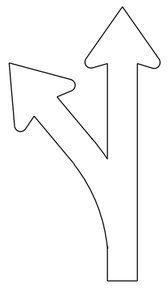
(A)

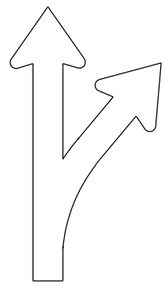


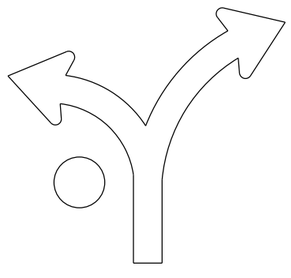
(B)

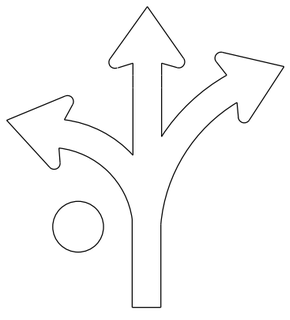

(C)

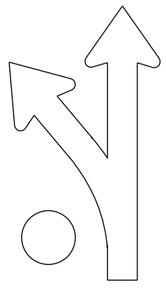

(D)


(E)


(F)

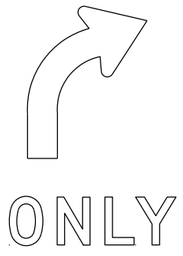

(G)


(H)

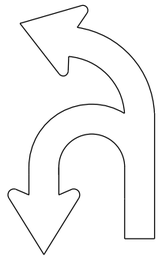

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

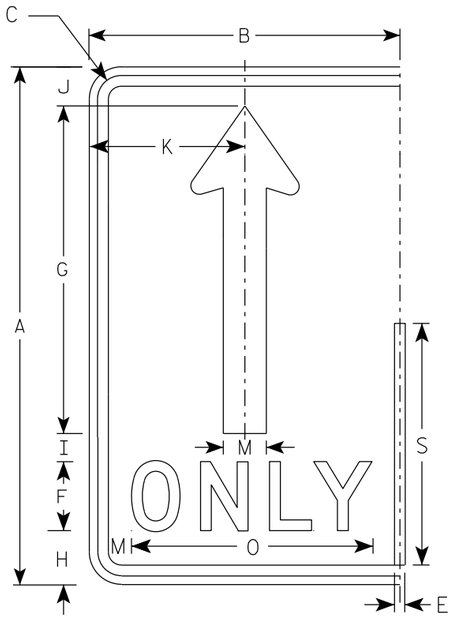
PROJECT NO:

SHEET NO: 335 E

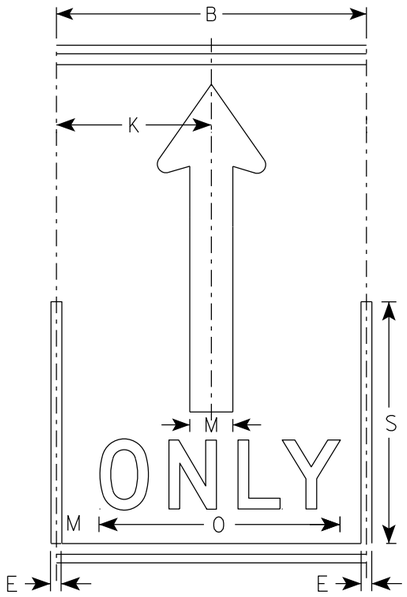
7

NOTES

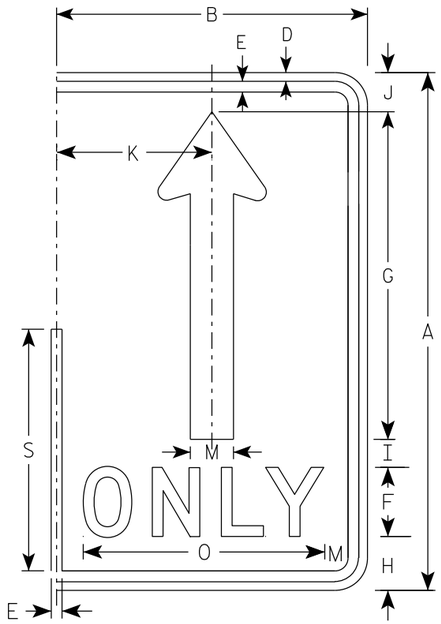
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



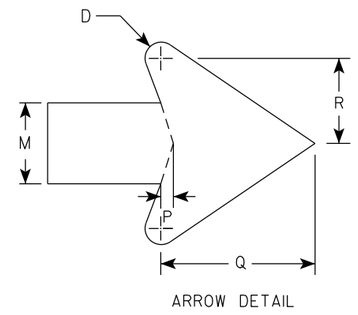
(A)



(A)



(A)



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	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

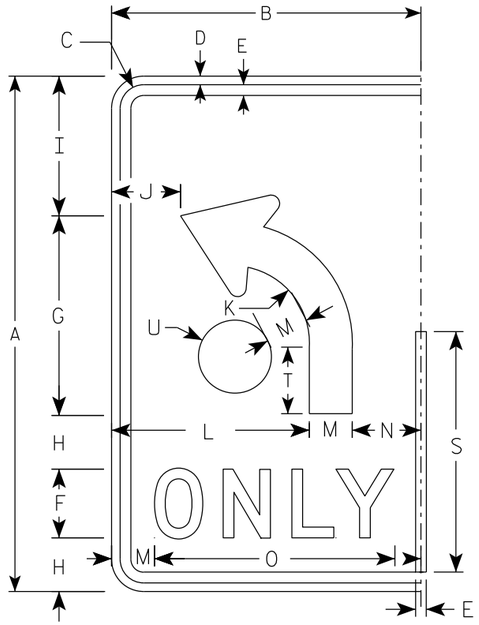
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

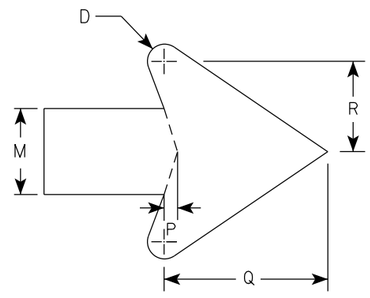
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 336 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

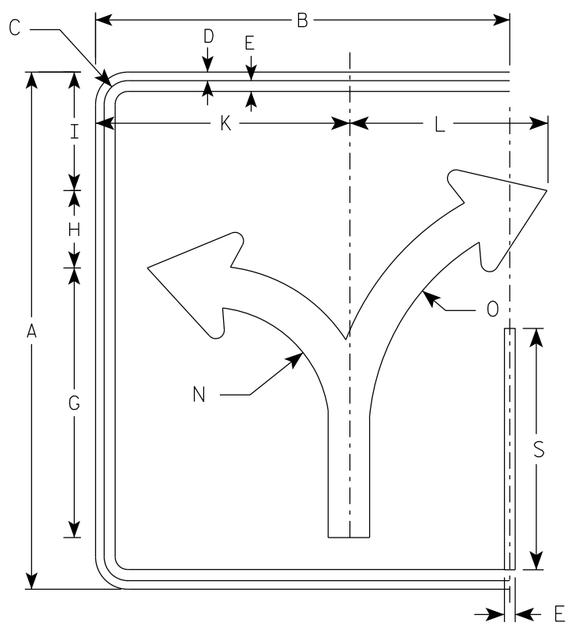
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

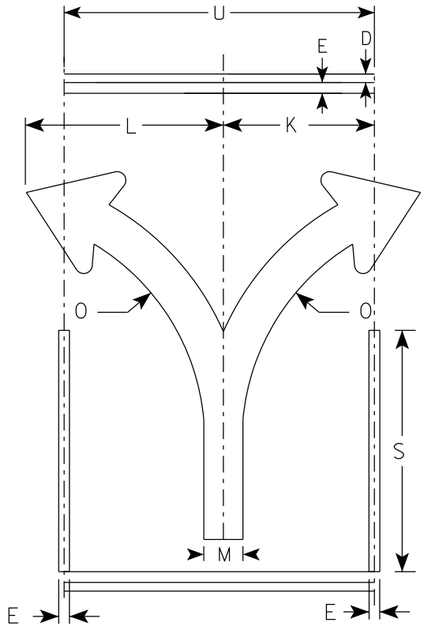
SHEET NO: 337 E

NOTES

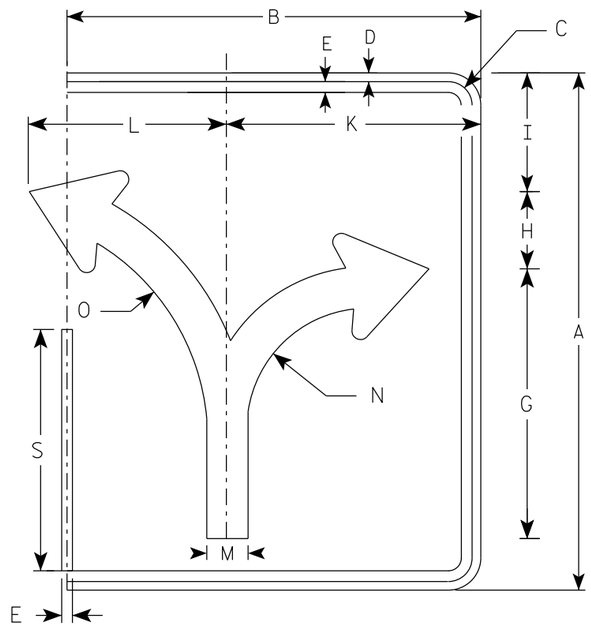
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



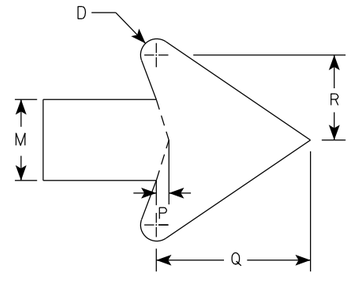
(C)



(C)



(C)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

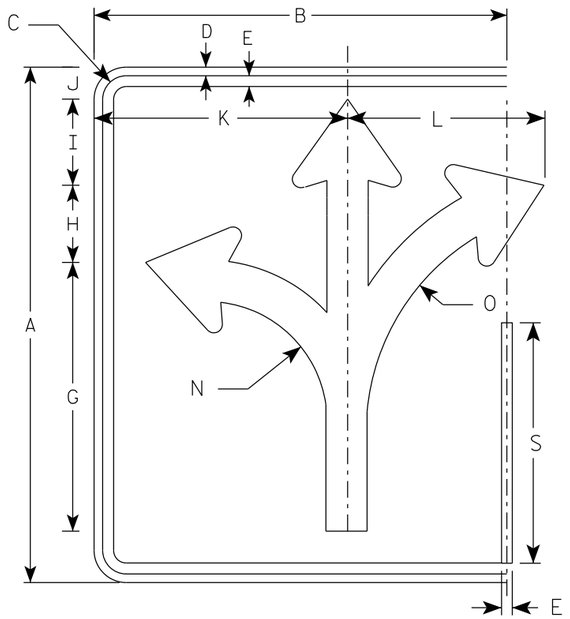
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

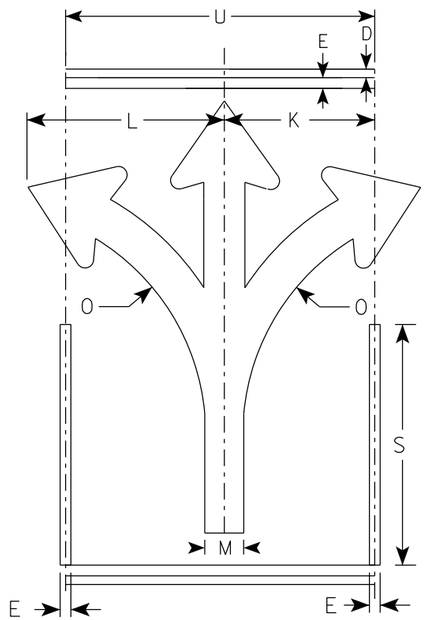
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E

NOTES

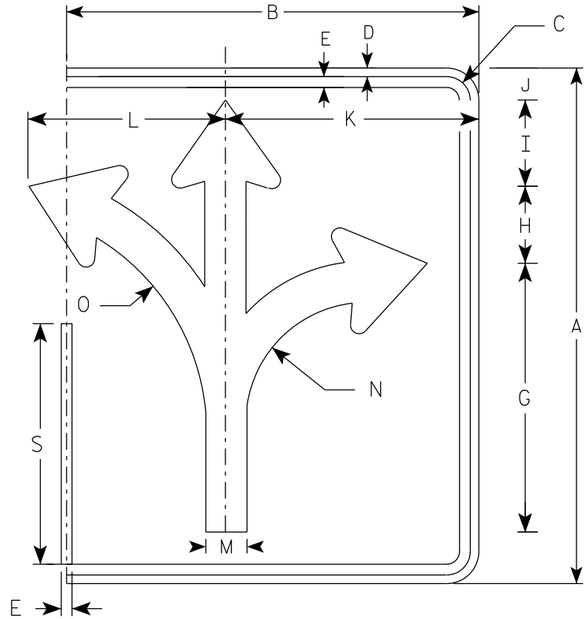
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



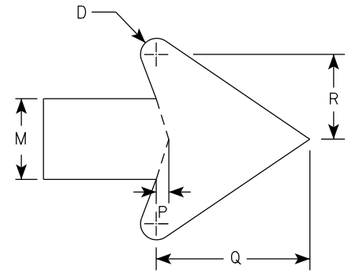
(D)



(D)



(D)



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	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

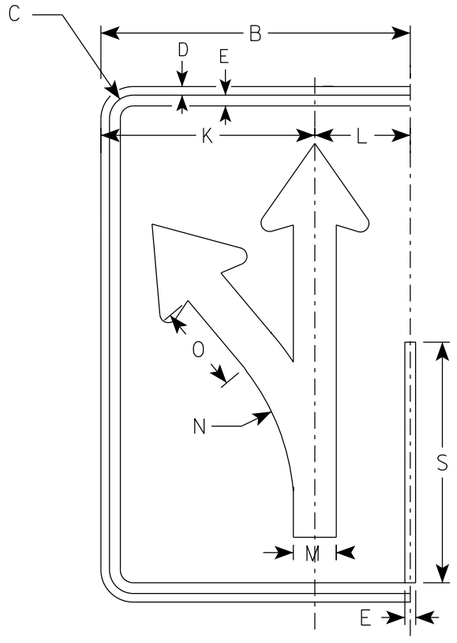
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 339 | E

7

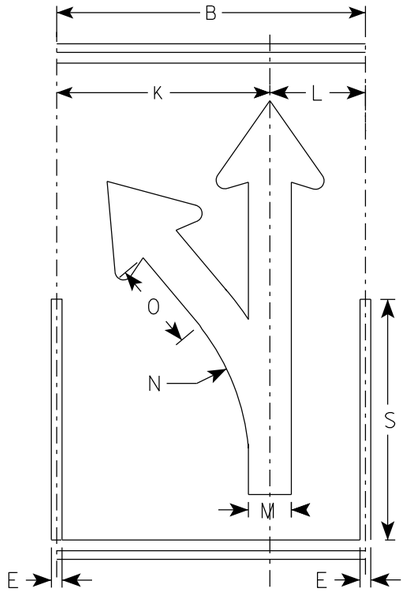
7

NOTES

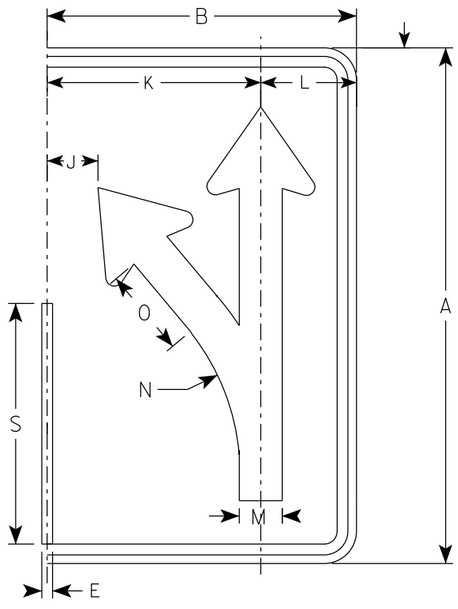
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



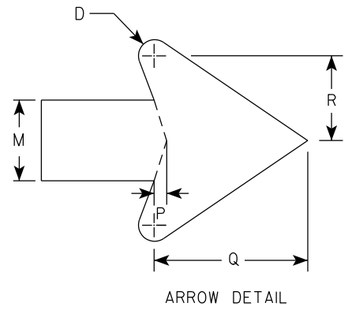
(E)



(E)



(E)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

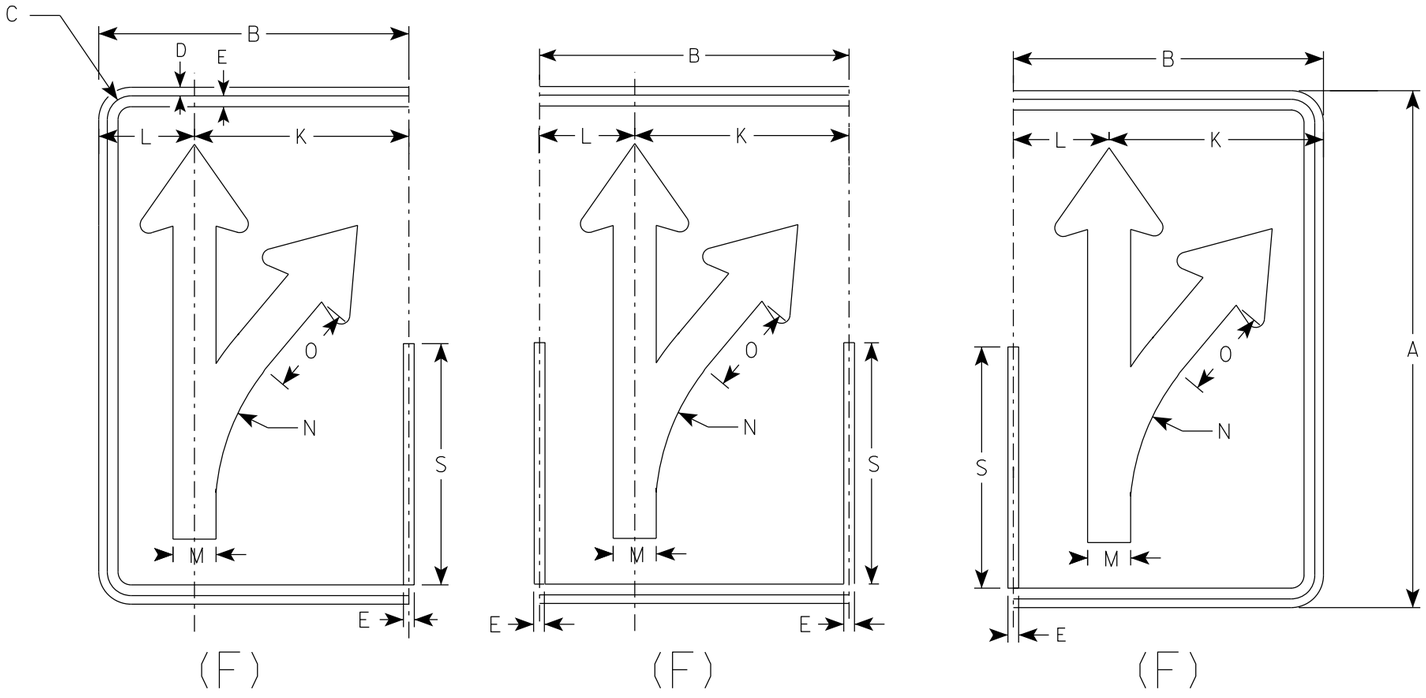
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

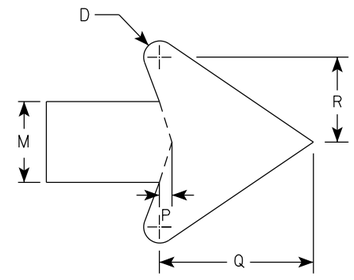
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(F) (F) (F)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

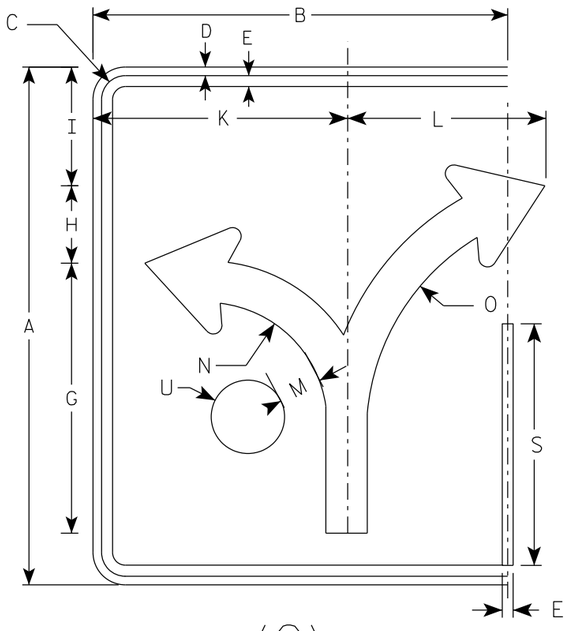
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

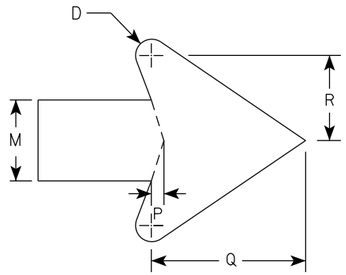
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 341 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

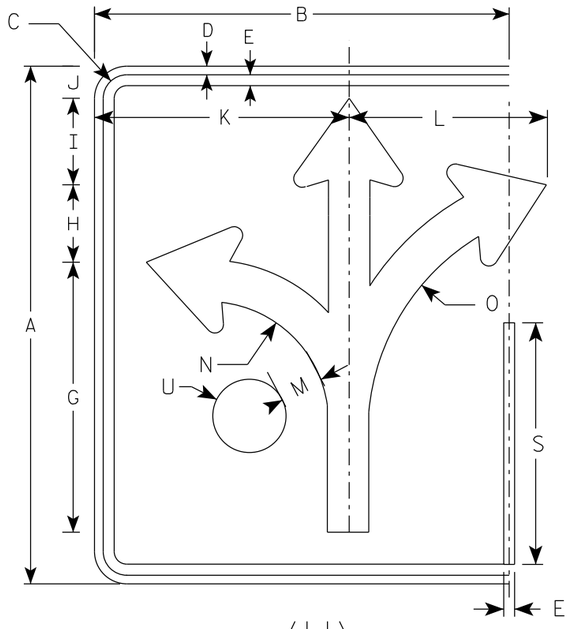
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 342 | E

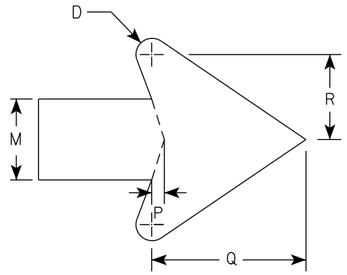
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



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	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

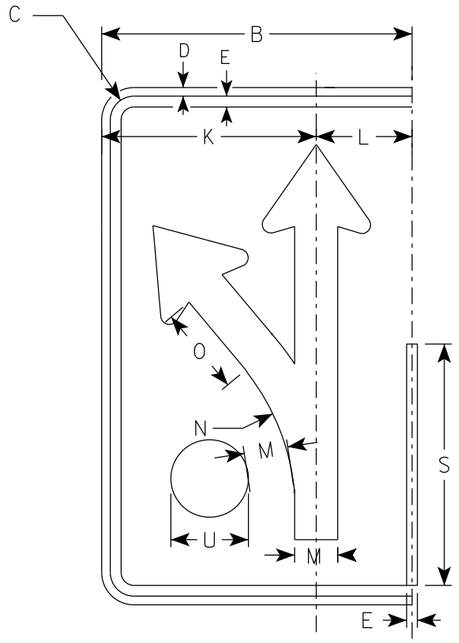
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

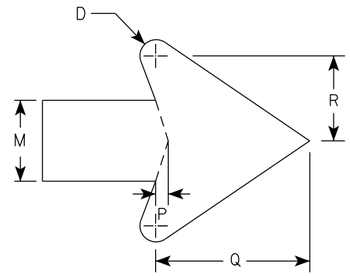
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 343	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



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	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

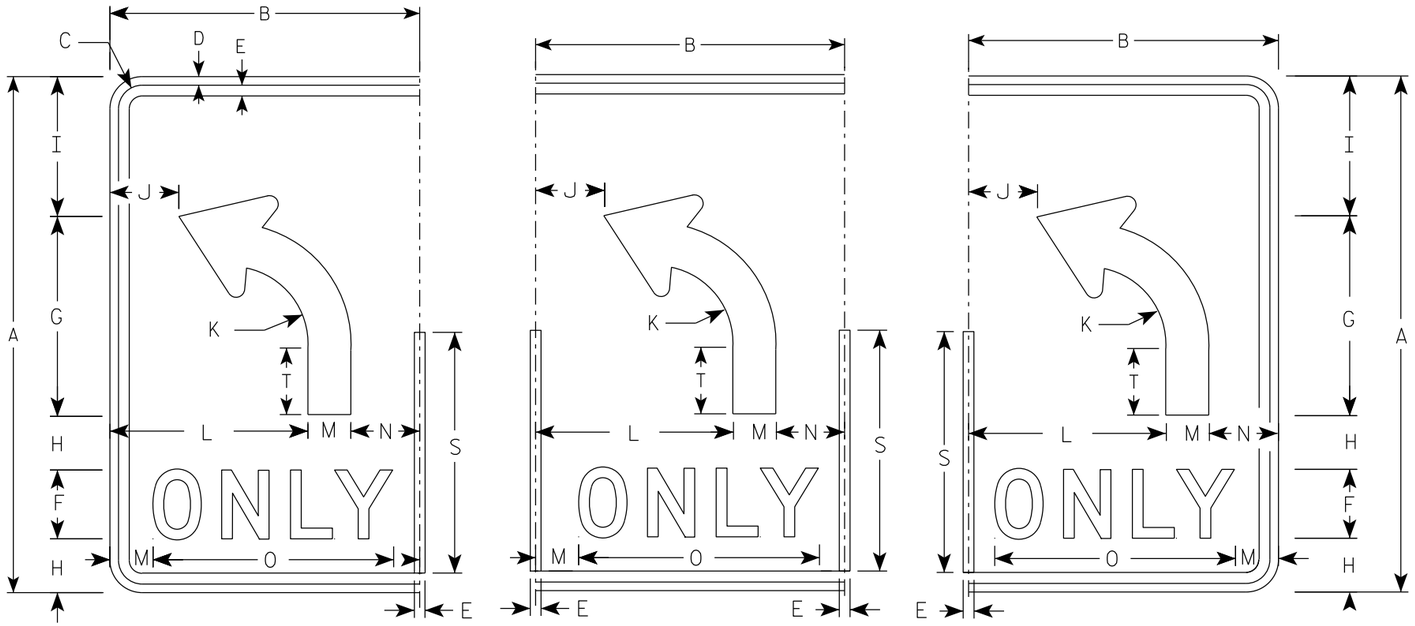
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

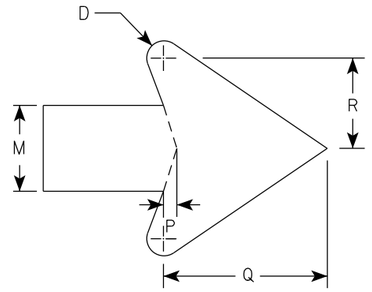
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 344 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

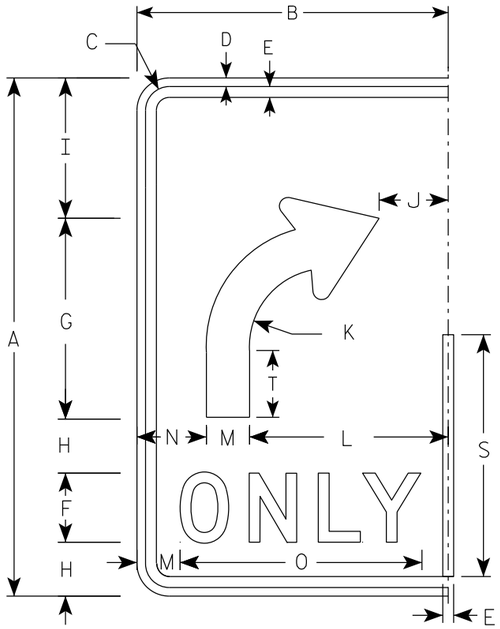
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

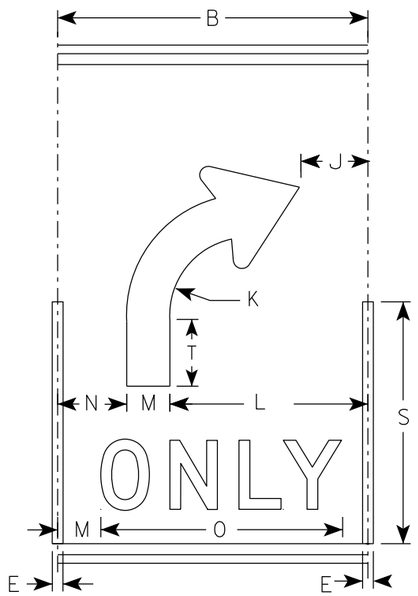
SHEET NO: 345 E

NOTES

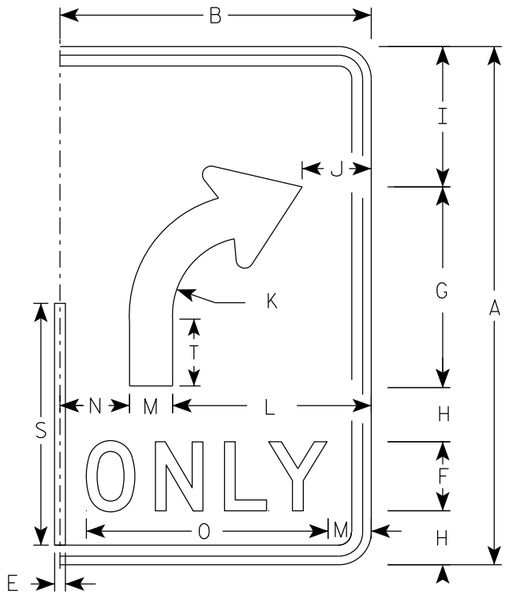
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



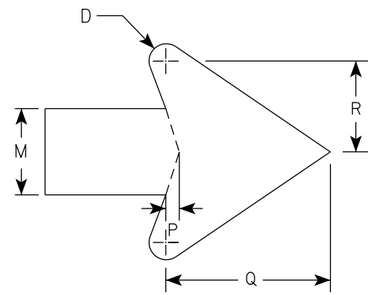
(R)



(R)



(R)



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	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

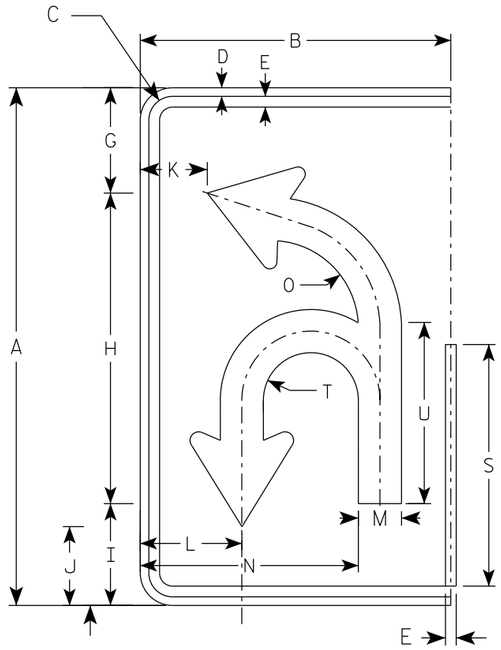
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

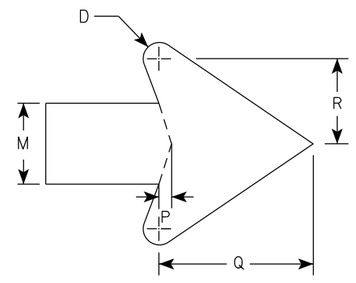
SHEET NO: 346 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



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	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

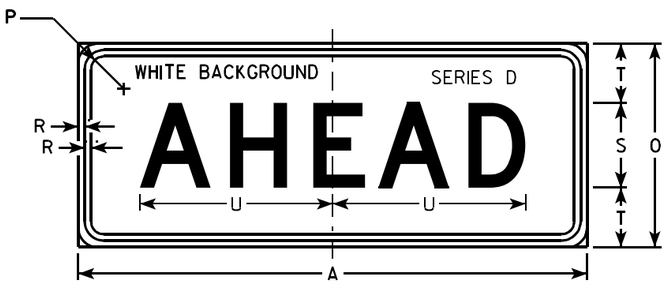
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 347 | E



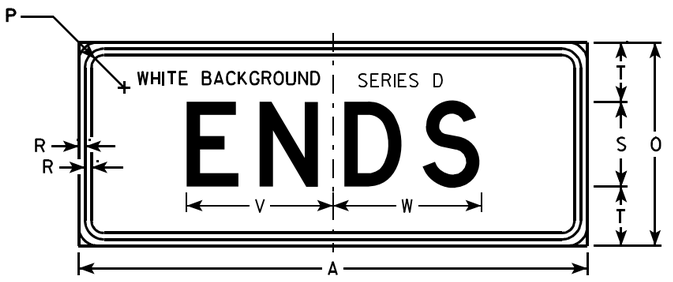
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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.



R3-17ap



R3-17bp

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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

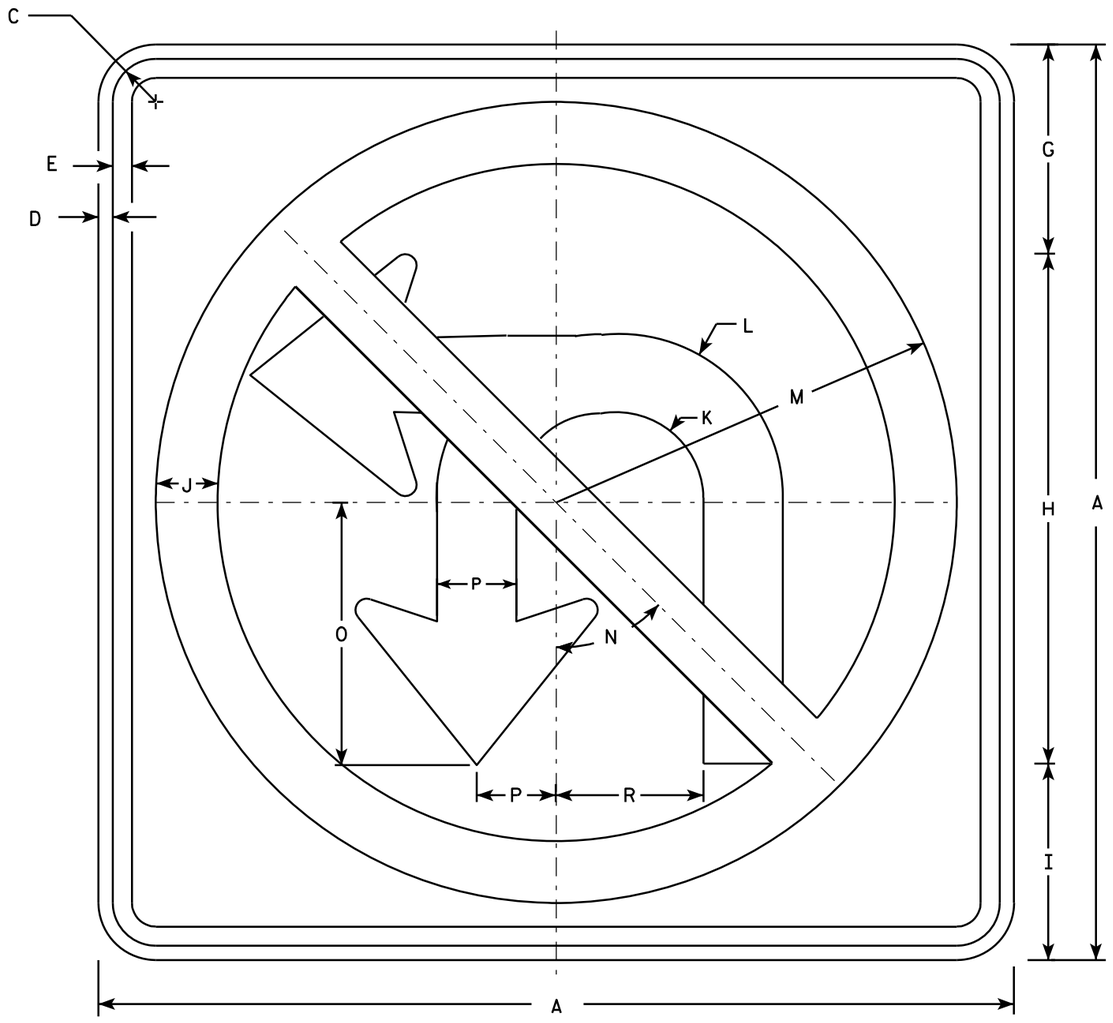
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

SHEET NO: 348 E



R3-18

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 - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.

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	24		1 1/8	3/8	1/2		5 1/2	13 3/8	5 1/8	1 5/8	2 1/4	4 1/4	10 1/2	45°	6 7/8	2 1/8		3 7/8									4.0
2M	36		1 5/8	5/8	3/4		8 1/4	20	7 3/4	2 1/2	3 3/8	6 1/2	15 3/4	45°	10 3/8	3 1/8		5 3/4									9.0
3	36		1 5/8	5/8	3/4		8 1/4	20	7 3/4	2 1/2	3 3/8	6 1/2	15 3/4	45	10 3/8	3 1/8		5 3/4									9.0
4	36		1 5/8	5/8	3/4		8 1/4	20	7 3/4	2 1/2	3 3/8	6 1/2	15 3/4	45	10 3/8	3 1/8		5 3/4									9.0
5	48		2 1/4	3/4	1		11	26 3/4	10 1/4	3 1/4	4 5/8	8 5/8	21	45°	13 3/4	4 1/8		7 3/4									16.0

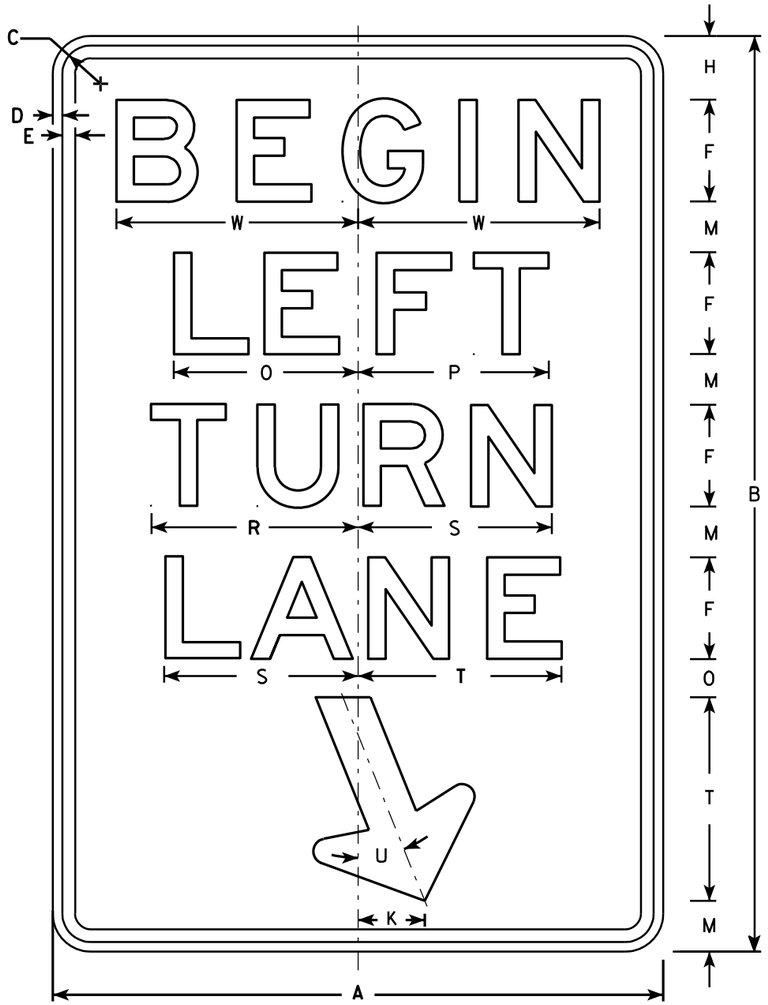
STANDARD SIGN
R3-18

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/21/10 PLATE NO. R3-18.2

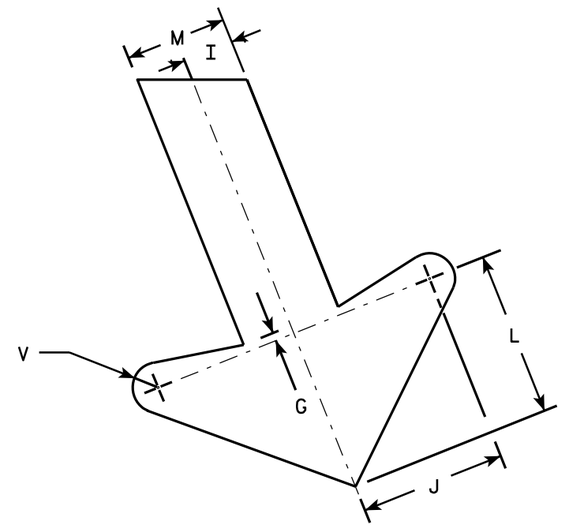
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E



R3-20L

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 - E
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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

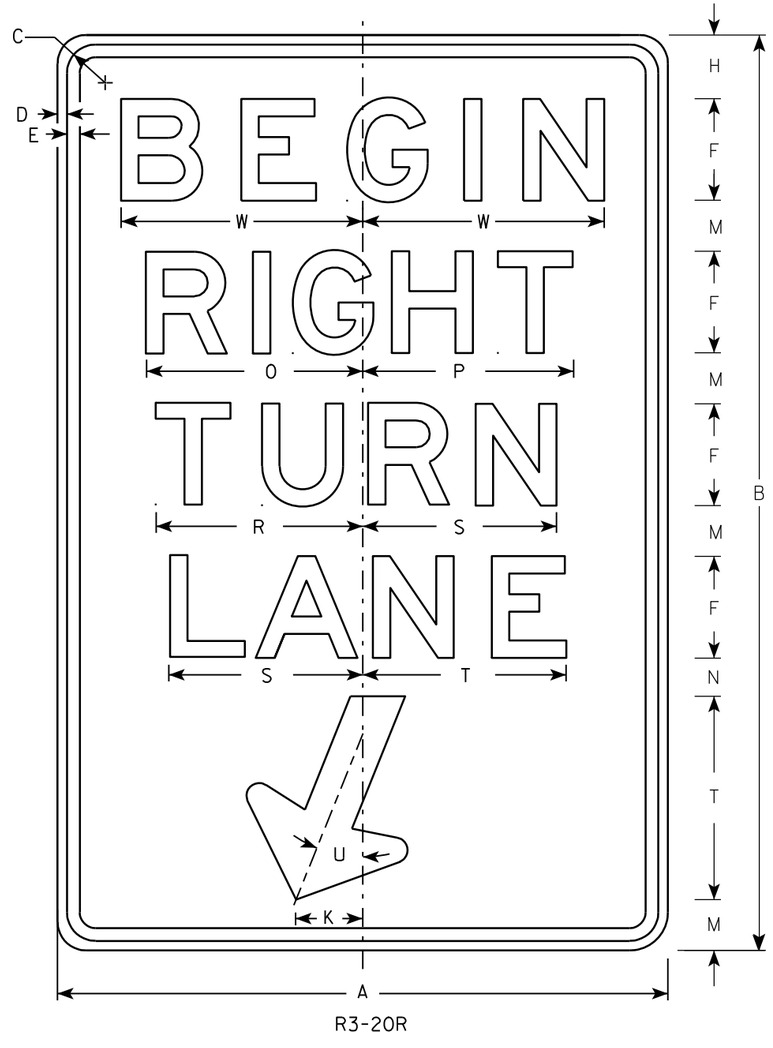
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

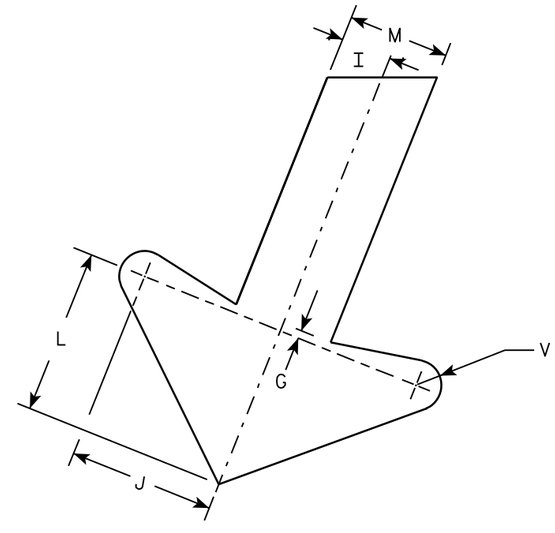
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 350 | E



R3-20R

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 - E
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.



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	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

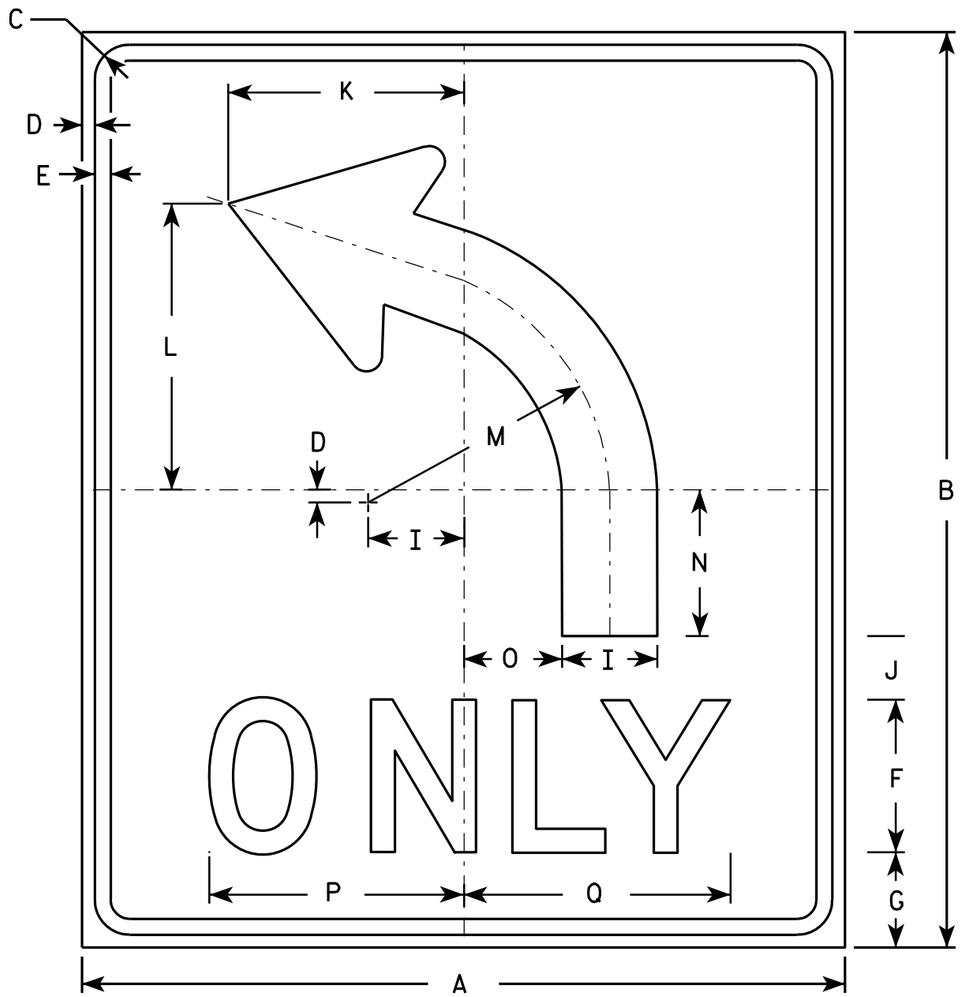
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

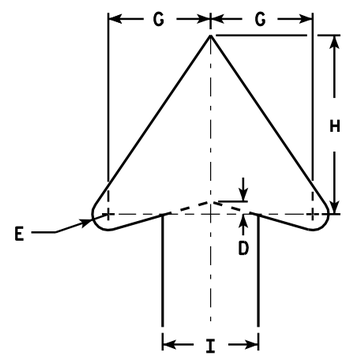
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 351 | E



R3-50L

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. R3-50R is the same as R3-50L except curved portion of arrow points right.



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	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
2M	30	36	1 3/8	1/2	5/8	6	4	7	3 3/4	2 1/2	9 1/4	11 1/4	9 1/2	5 3/4	3 7/8	10	10 1/2										7.5
3																											
4																											
5																											

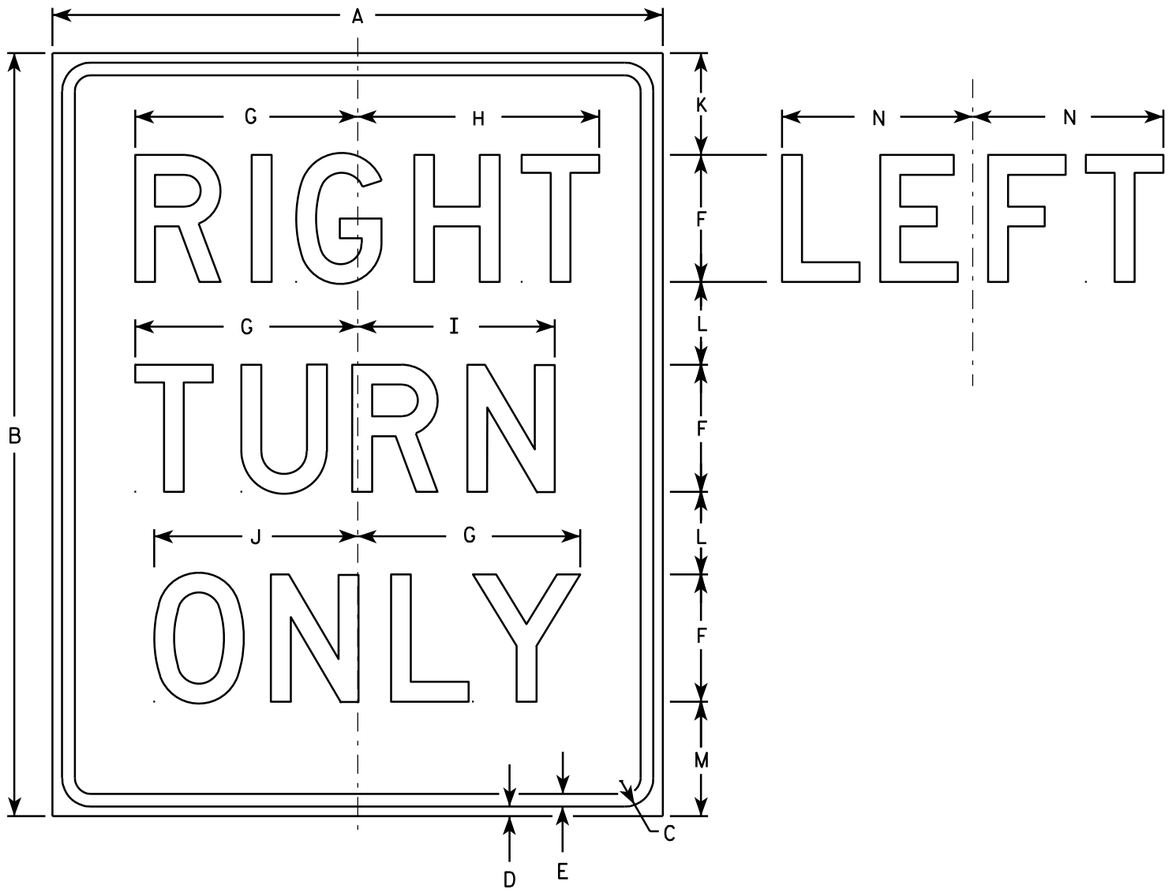
STANDARD SIGN
R3-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 352	E



R3-53R

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. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

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	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

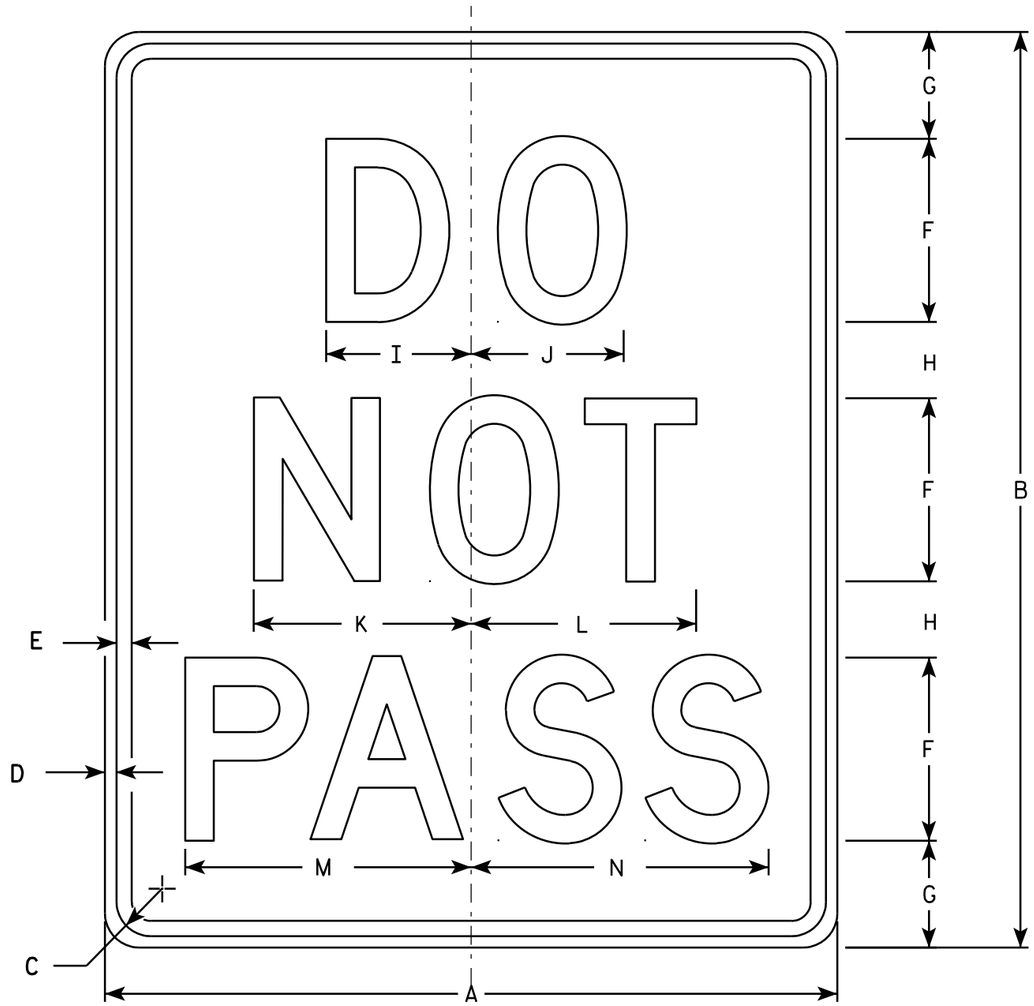
STANDARD SIGN
R3-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 353	E



R4-1

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.

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	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

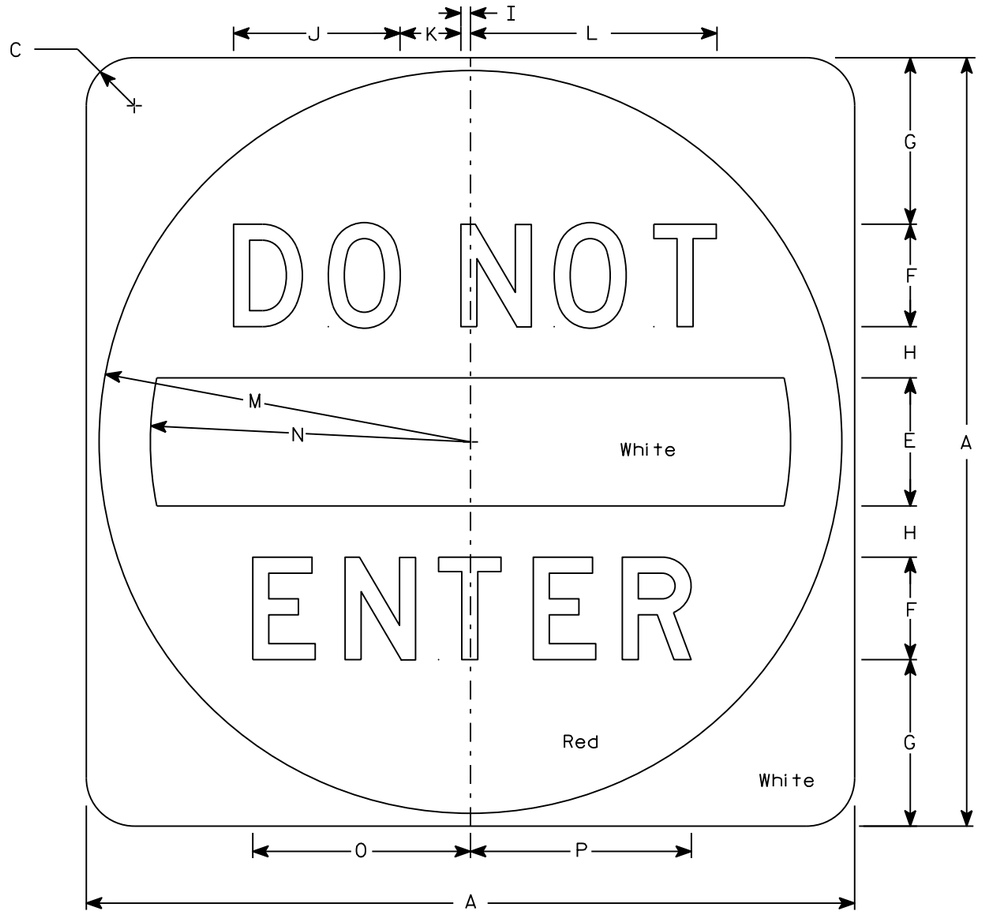
STANDARD SIGN
R4-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 354 | E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

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	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

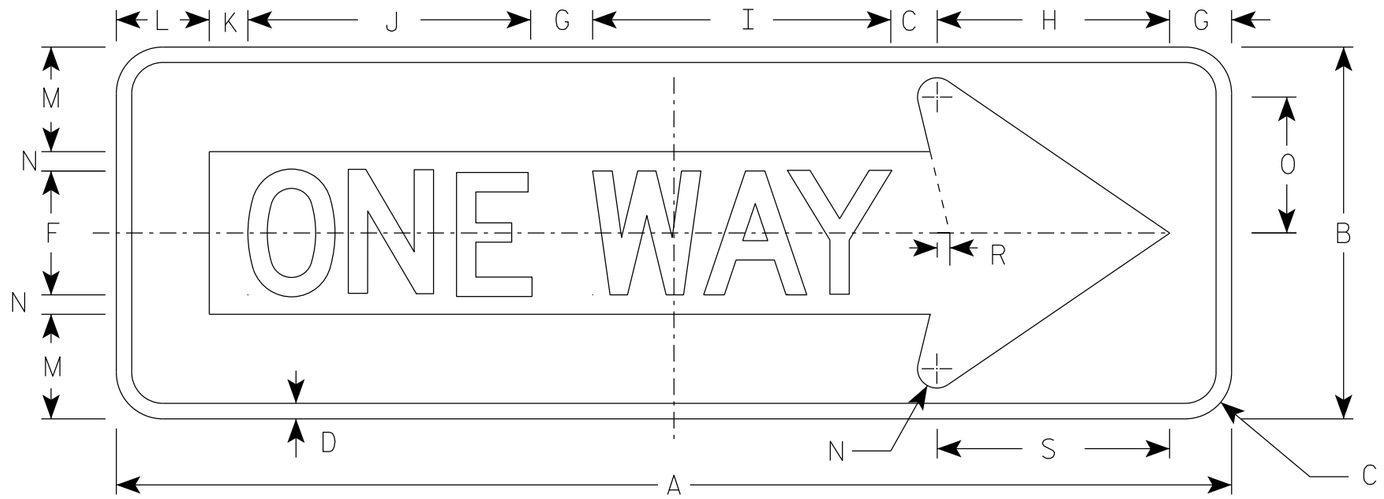
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

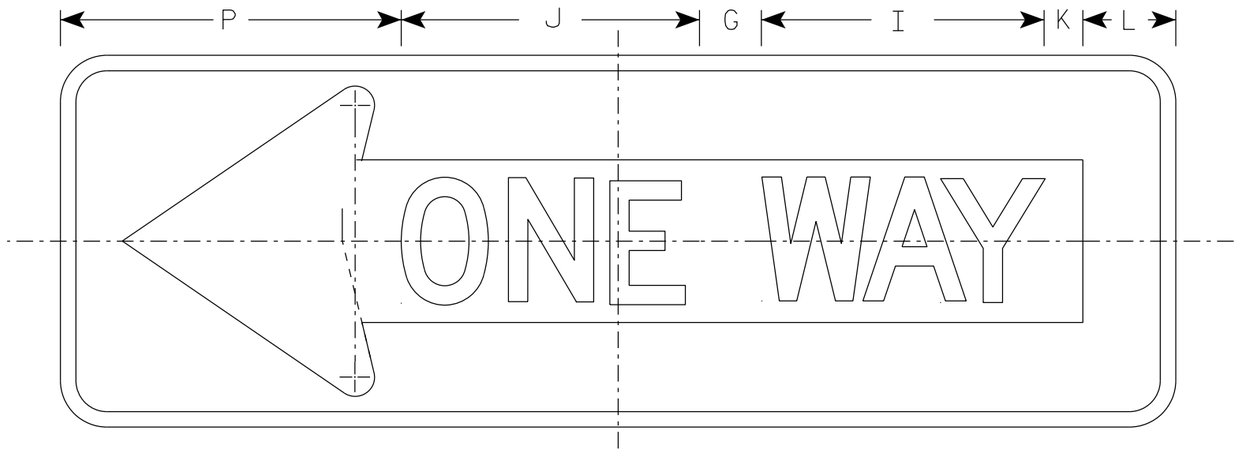
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 355 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

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	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

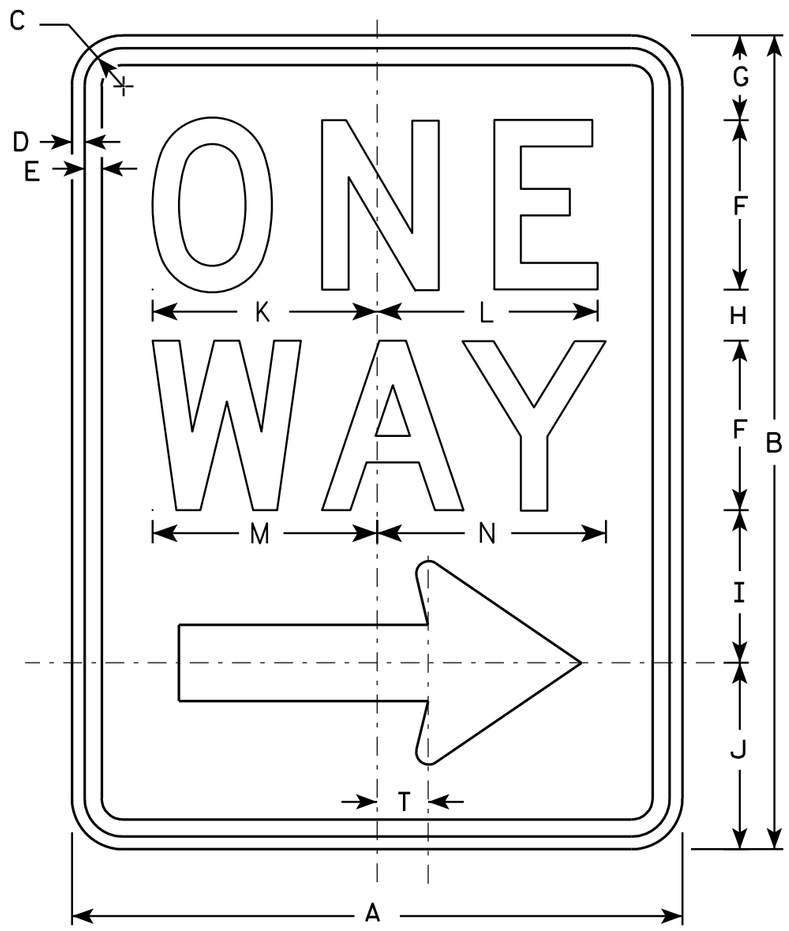
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

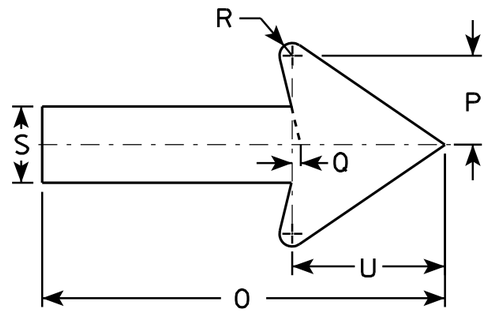
SHEET NO: 356 E



R6-2R

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. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

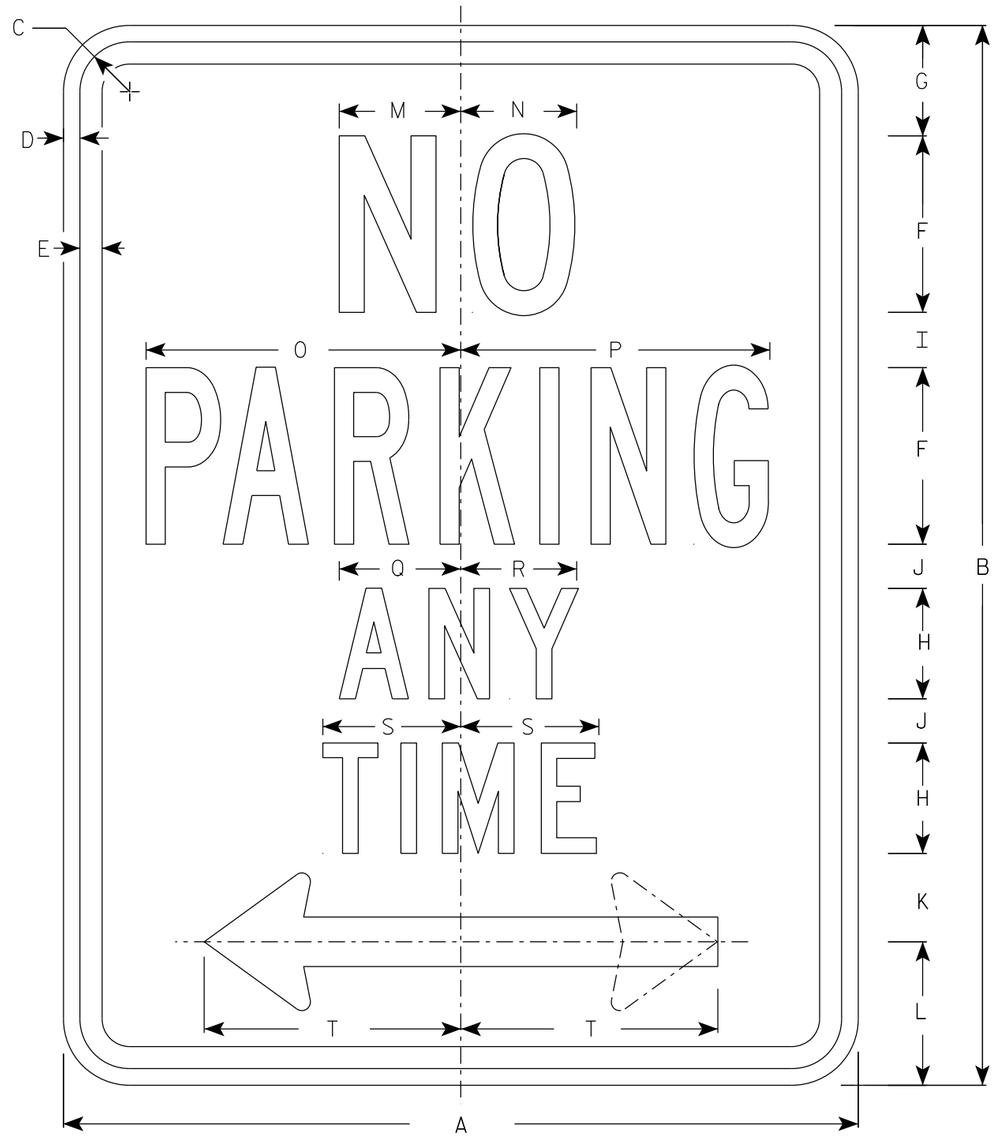
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

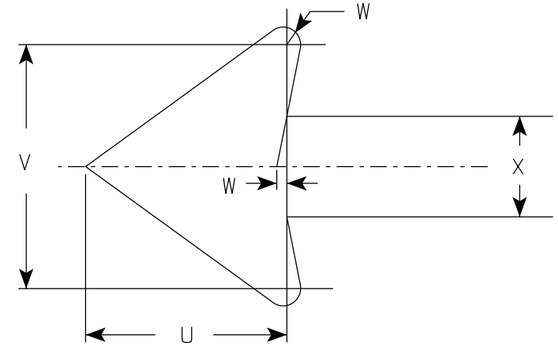
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 357	E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



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	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

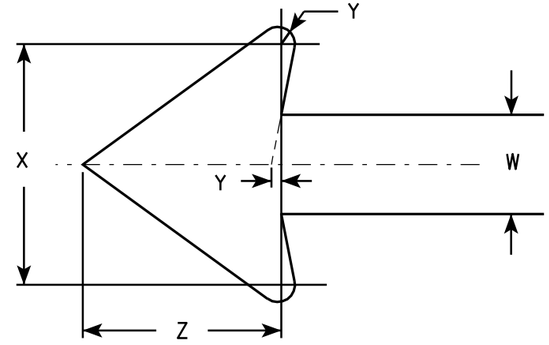
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 358 E



R7-51

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 - Red
3. Message Series - See Note 6
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. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

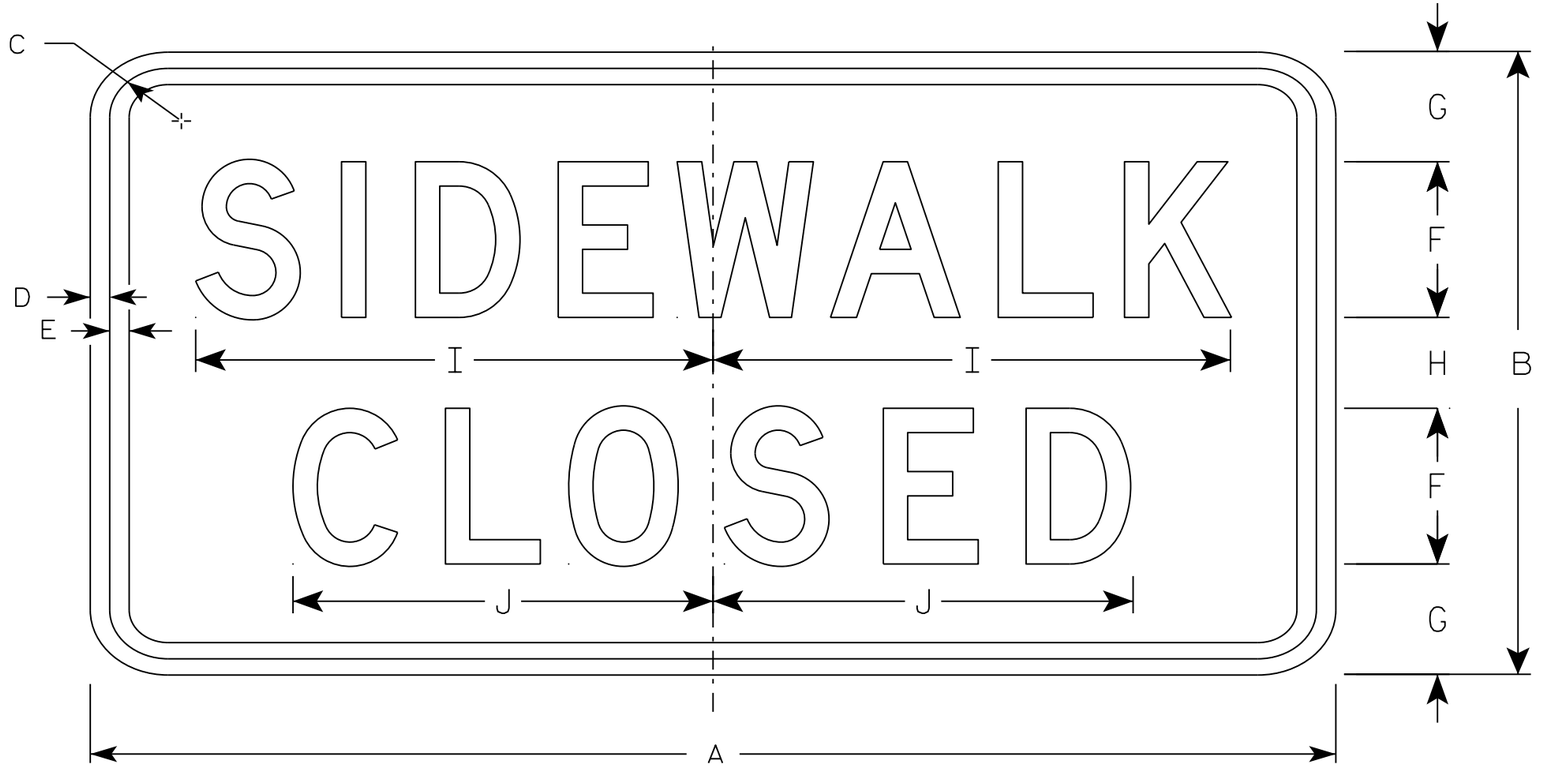
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 359	E



R9-9

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 - 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

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	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

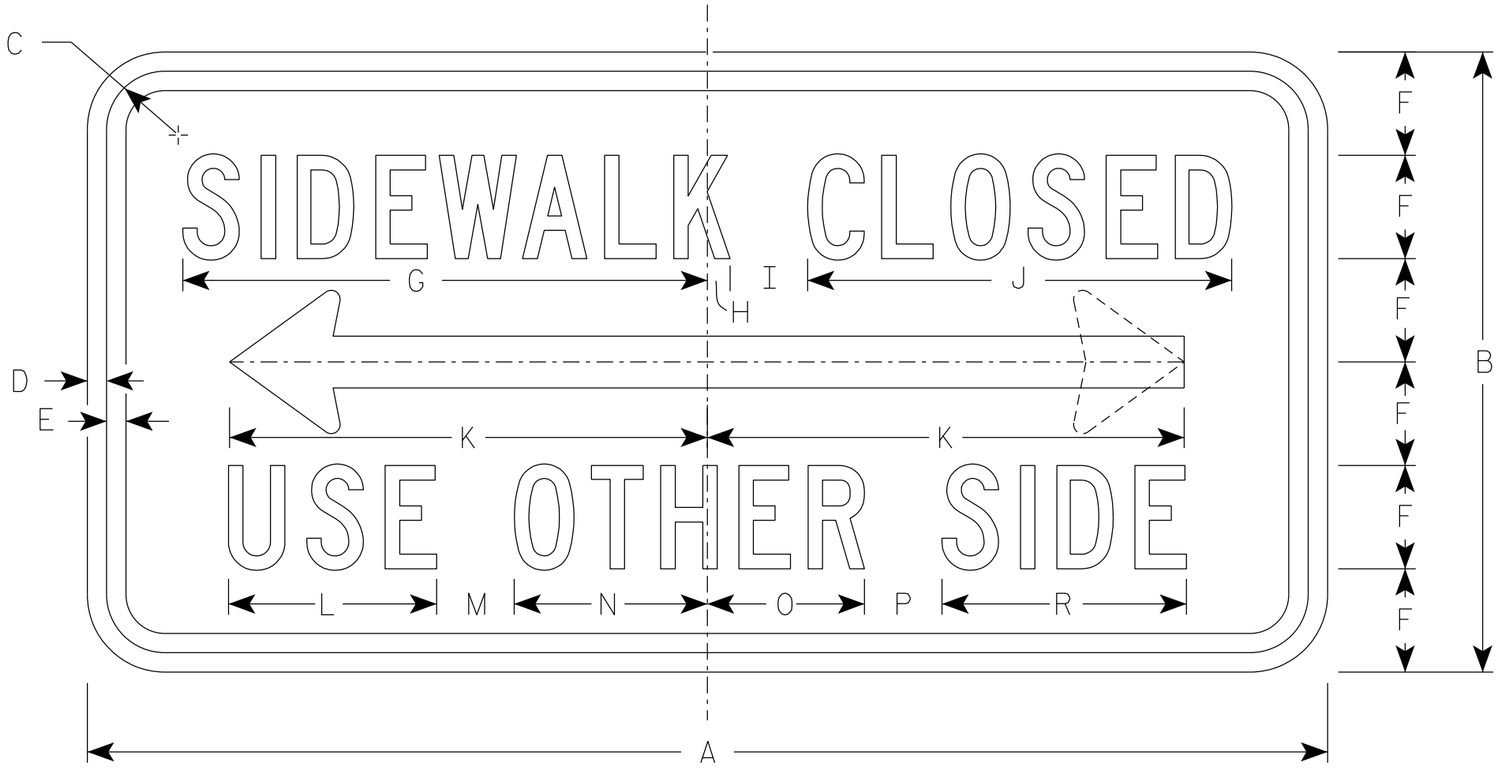
DATE 8/11/16 PLATE 360 R9-9.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

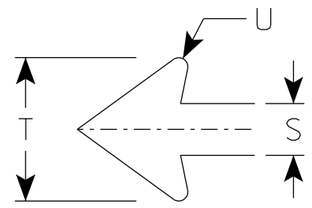
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for sidewalks. Use Size 3 for paths and trails.



R9-10



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	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/8	1/2	1 1/2	8 1/4	9 1/4	4	1 1/2	3 3/4	3	1 1/2		4 3/4	1	2 3/4	1/8						2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	5	2	4 5/8	3 3/4	2		5 7/8	1 1/4	3 5/8	1/4						3.125
4																											
5																											

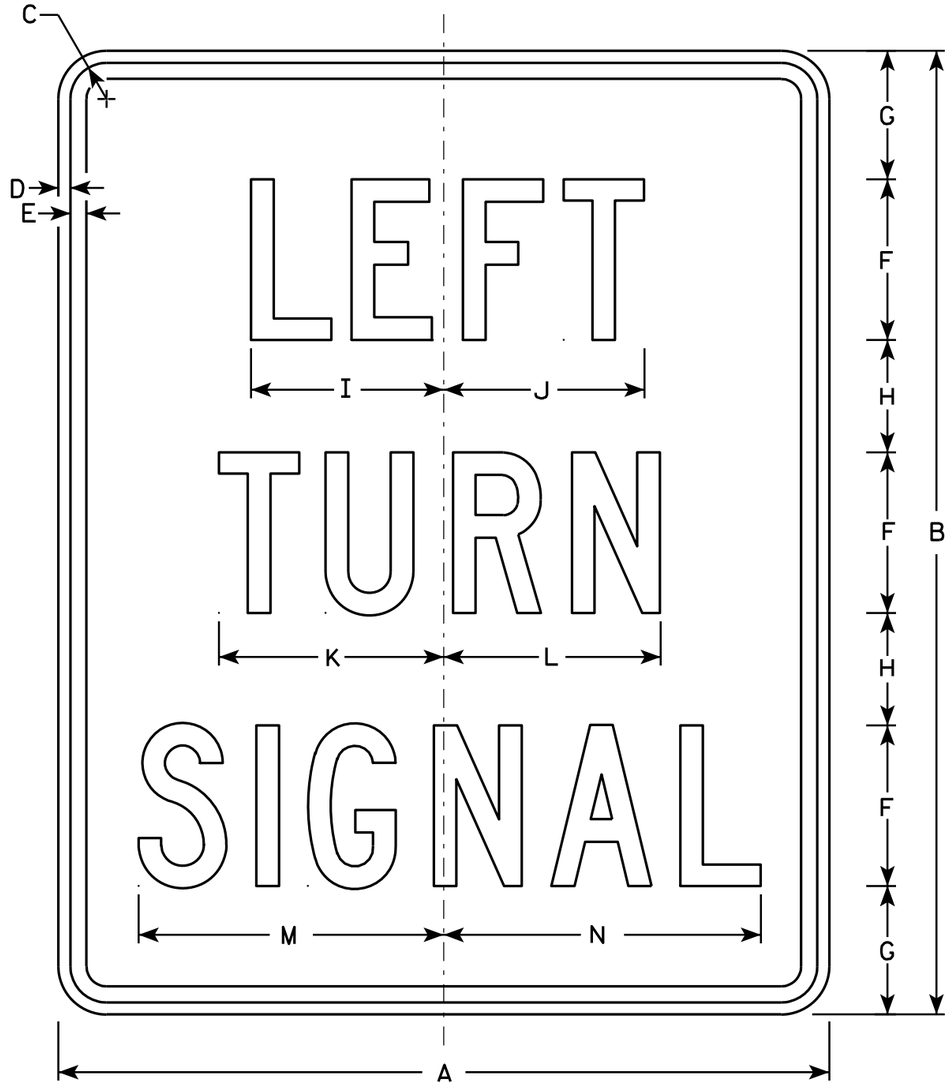
STANDARD SIGN
R9-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/7/2020 PLATE NO. R9-10.7

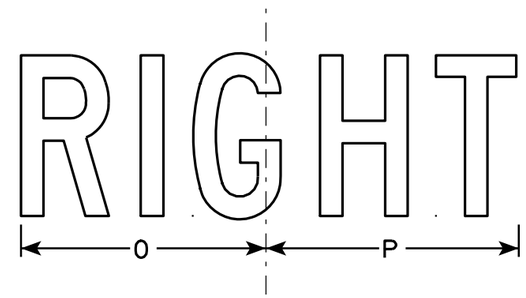
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 361	E



R10-10L

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 - 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. R10-10R is identical to R10-10L except RIGHT replaces LEFT.



R10-10R

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	24	30	1 1/8	3/8	1/2	5	4	3 1/2	6	6 1/4	7	6 3/4	9 1/2	9 7/8	7 5/8	7 7/8											5.0
2M	24	30	1 1/8	3/8	1/2	5	4	3 1/2	6	6 1/4	7	6 3/4	9 1/2	9 7/8	7 5/8	7 7/8											5.0
3																											
4																											
5																											

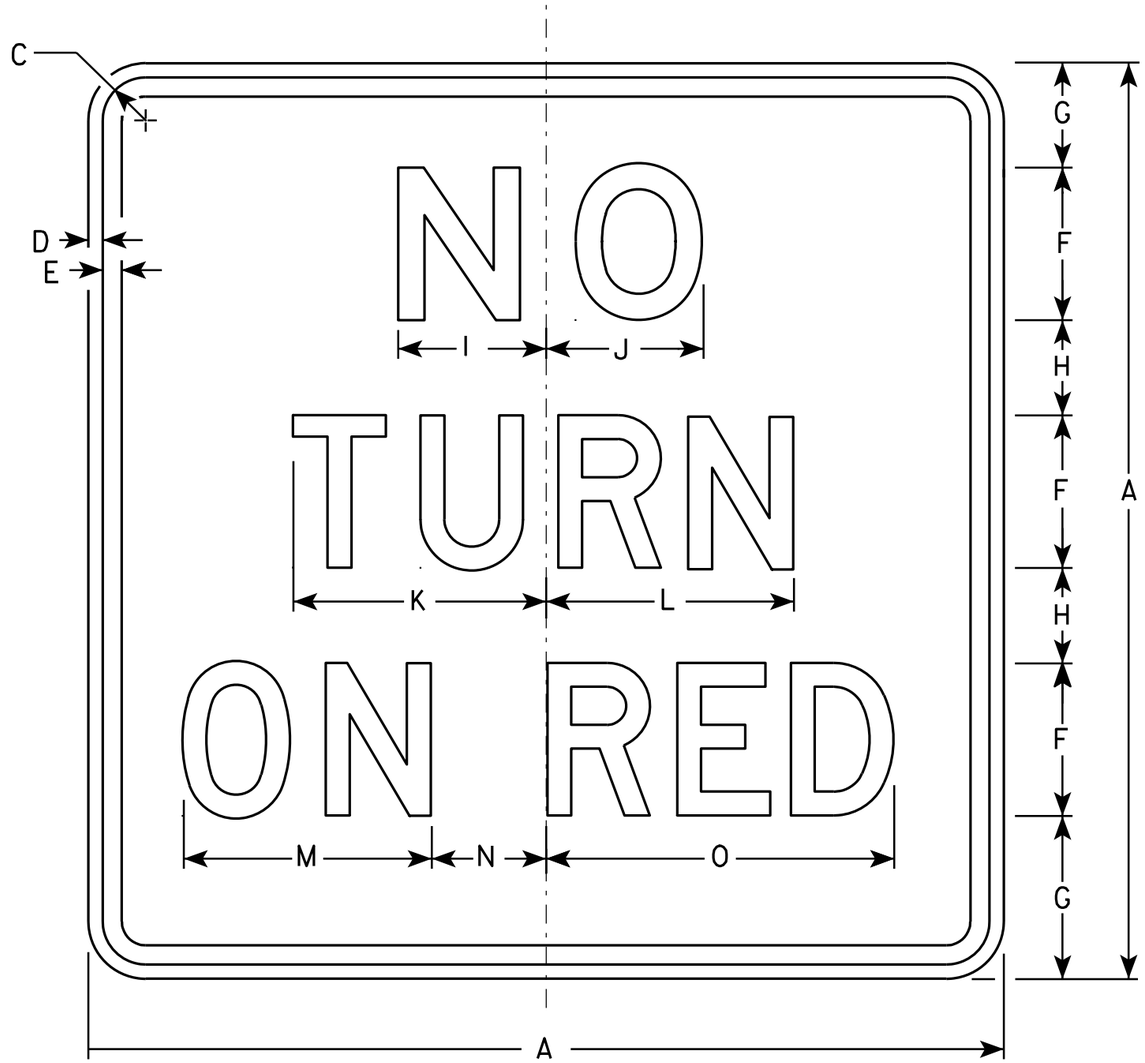
STANDARD SIGN
R10-10

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-10.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 362	E



R10-11B

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 - See Note 5.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series E.
   Lines 2 and 3 are Series D.

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	18		1 1/8	3/8	3/8	3	2 3/4	1 3/4	3	3 1/8	5	4 7/8	5 1/4	1 7/8	7 1/8												2.25
2S	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
2M	24		1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 7/8	4 1/8	6 5/8	6 1/2	6 1/2	3	9 1/8												4.0
3	30		1 3/8	1/2	5/8	5	4 1/2	3	4 7/8	5 1/4	8 1/4	8 1/8	7 3/4	4 1/8	11 7/8												6.25
4																											
5																											

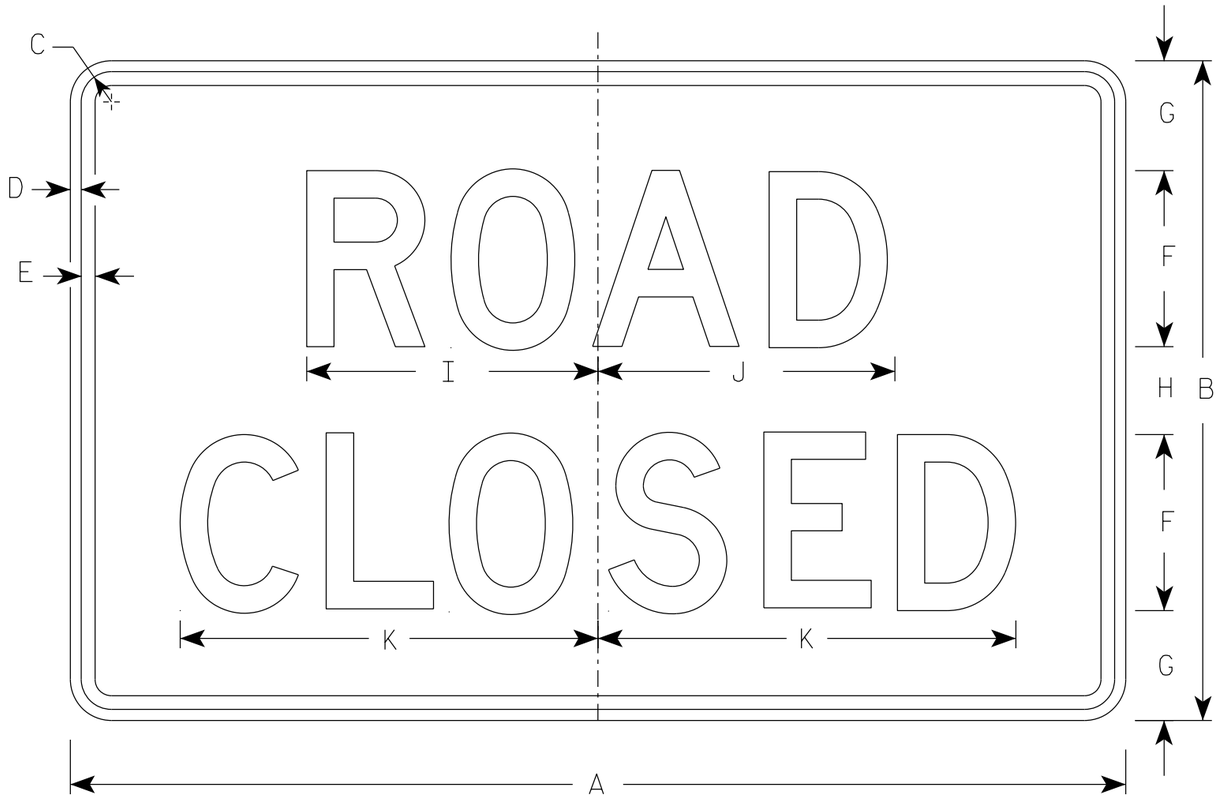
STANDARD SIGN
R10-11B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/5/11 PLATE NO. R10-11B.4

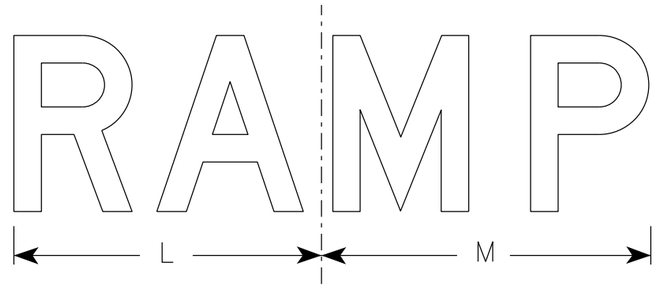
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E



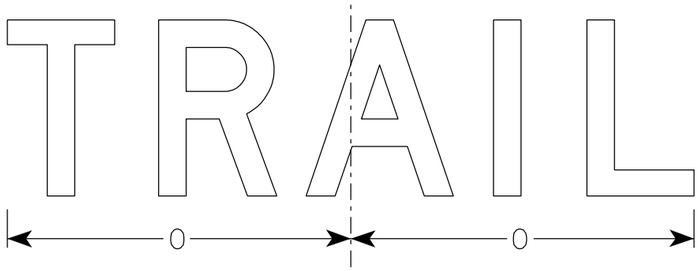
R11-2

NOTES

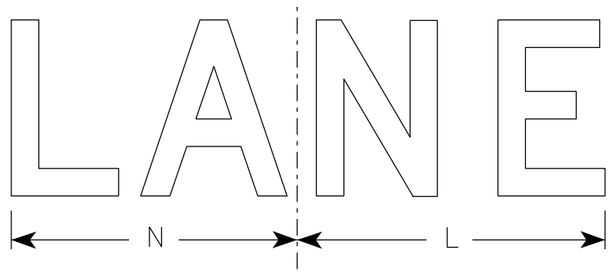
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



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	15 5/8												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	15 5/8												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	15 5/8												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	15 5/8												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	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

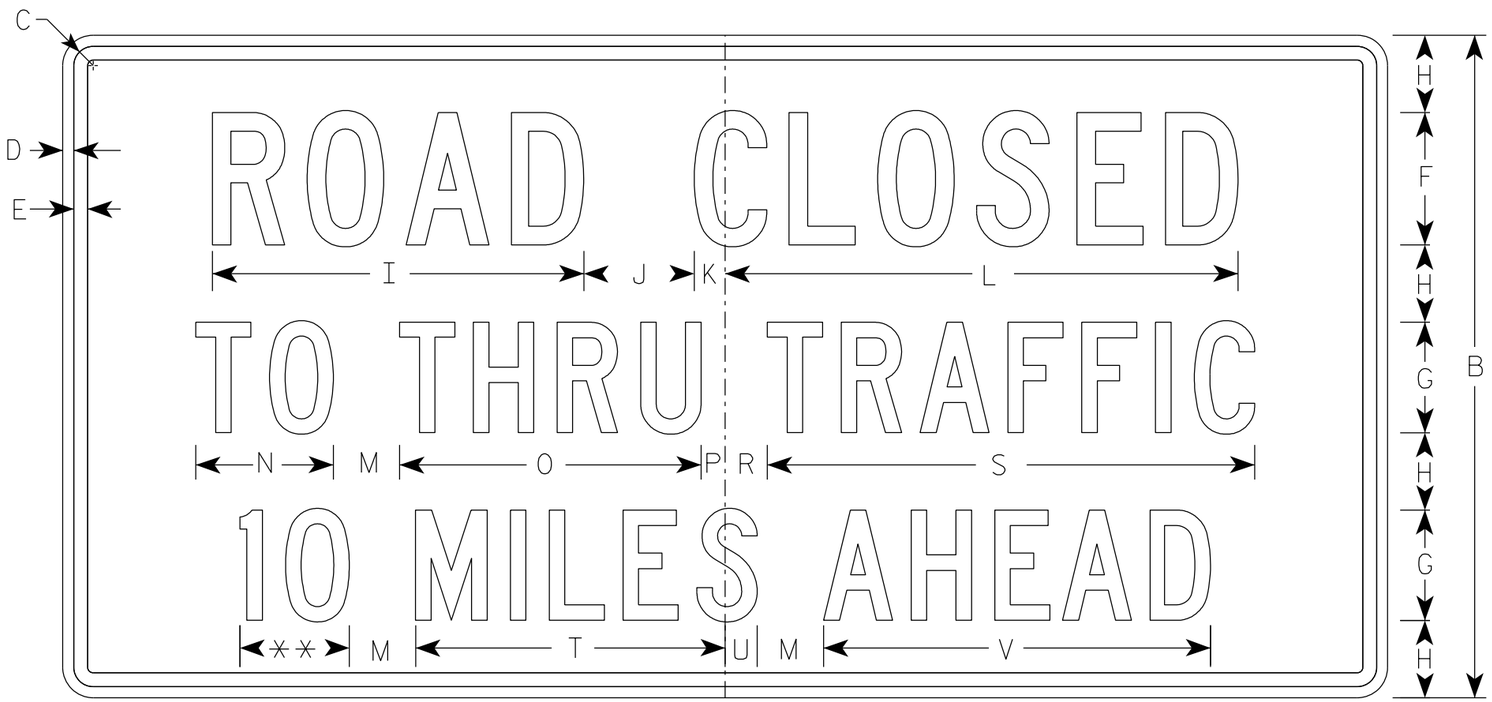
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 364 E

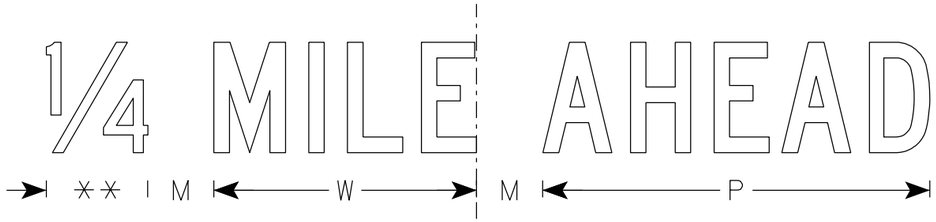
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



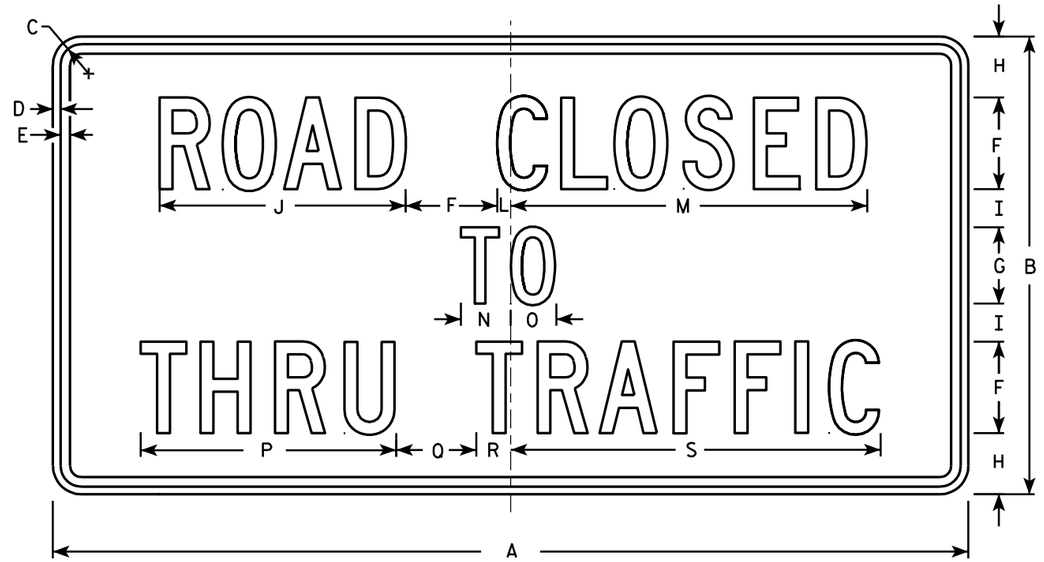
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/4	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 3/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 6/14/2021 PLATE NO. R11-3.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 365 E



R11-4

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 - 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																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

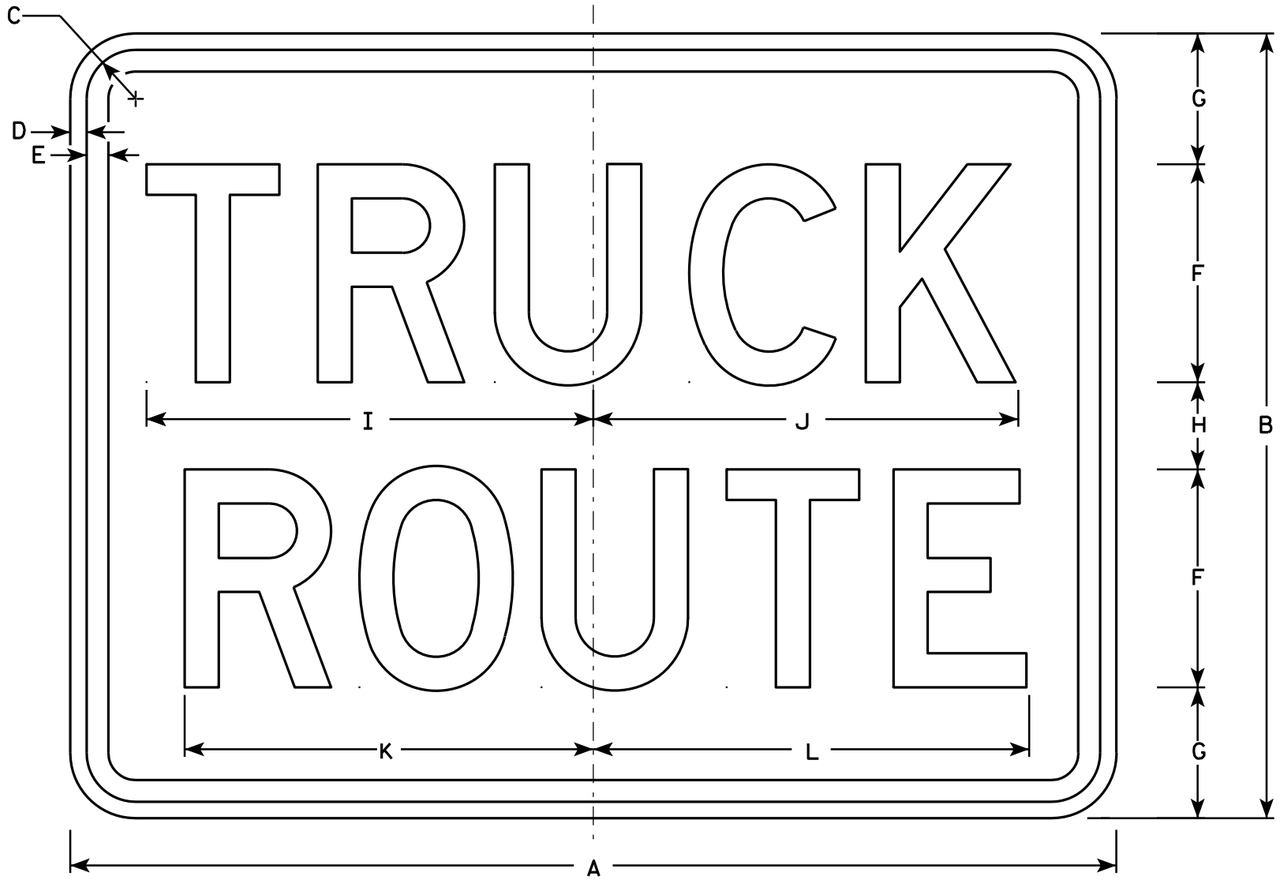
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 366	E



R14-1

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.

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	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2	24	18	1 1/8	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/8	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

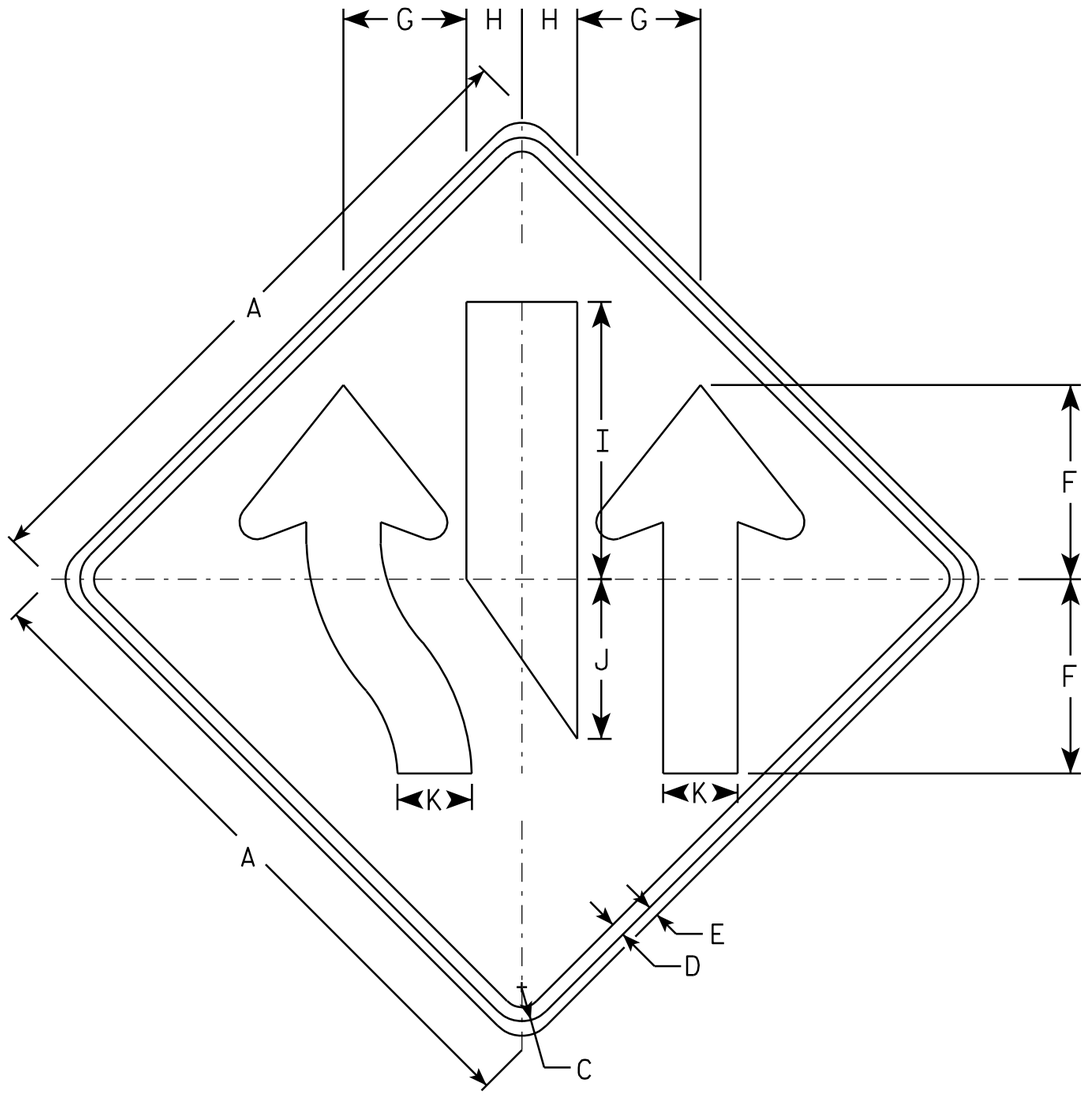
STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R14-1.6

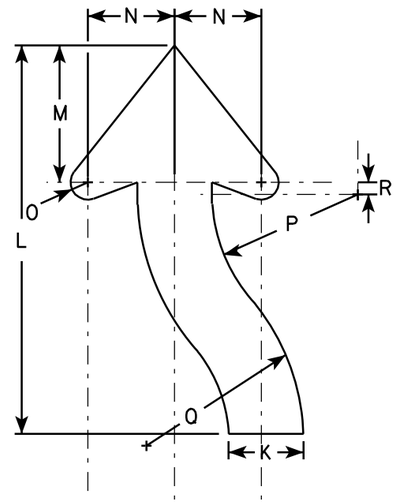
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 367	E



W9-3A

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.



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	36		1 3/8	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9
2M	36		1 3/8	1/2	5/8	10 1/2	6 5/8	3	15	8 5/8	4	21	7 3/8	4 3/4	7/8	8	12	3/4									9
3	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16
4	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16
5	48		2 1/4	3/4	1	14	9	4	20	11 1/2	5 3/8	28	9 7/8	6 1/4	1 1/4	10 5/8	16	7/8									16

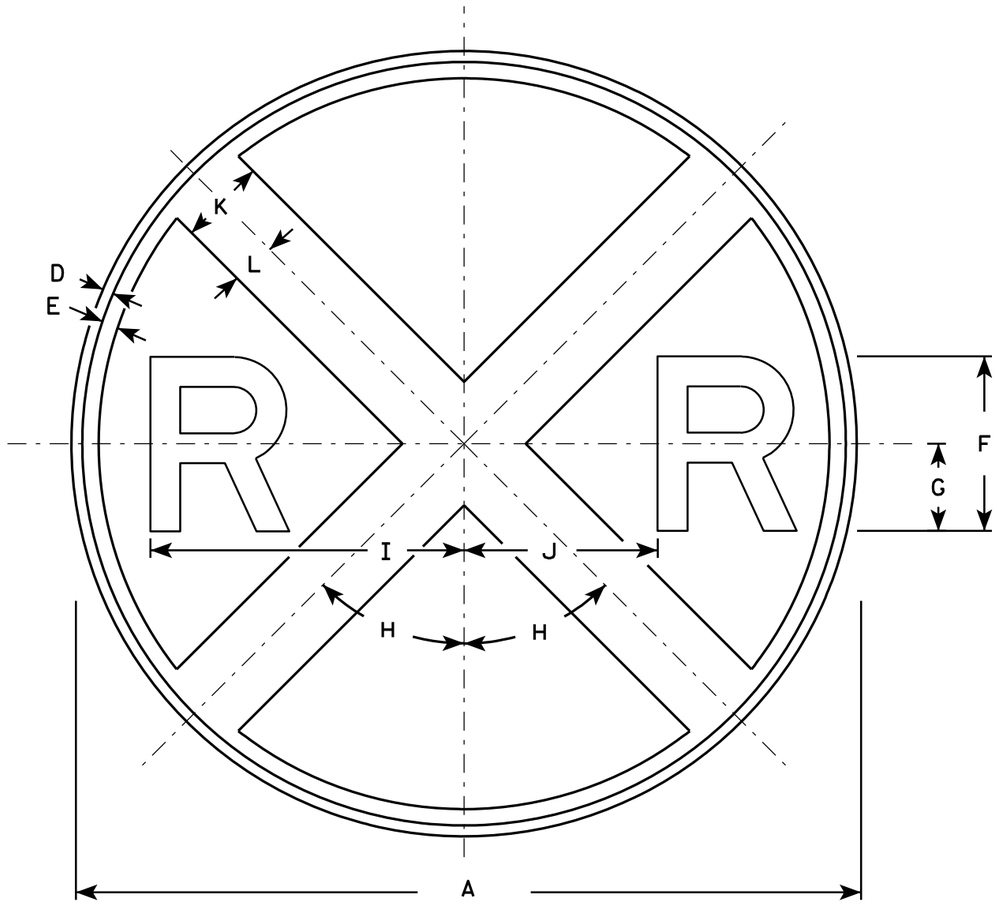
STANDARD SIGN
W9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/02/11 PLATE NO. W9-3A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 368 | E



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

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			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

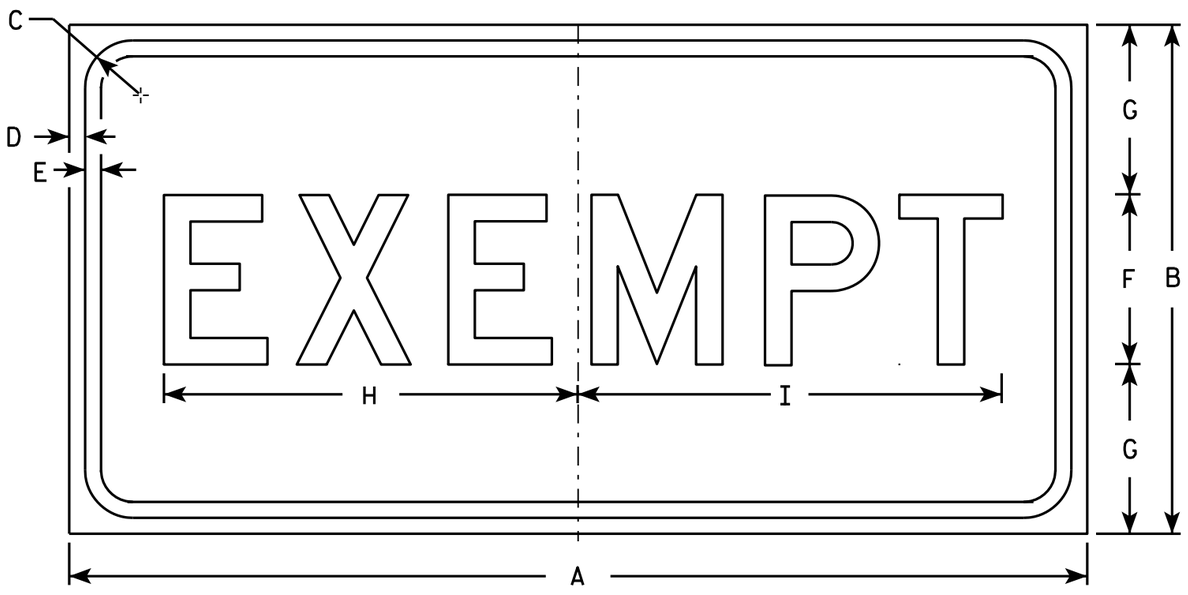
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369	E

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See Note 5
   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. Background - R15-3 is White Type H Reflective
   W10-1A is Yellow.



R15-3
and
W10-1A

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	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
2M	24	12	1 1/8	3/8	3/8	4	4	9 3/4	10																		2
3																											
4																											
5																											

STANDARD SIGN
R15-3 & W10-1A

WISCONSIN DEPT OF TRANSPORTATION

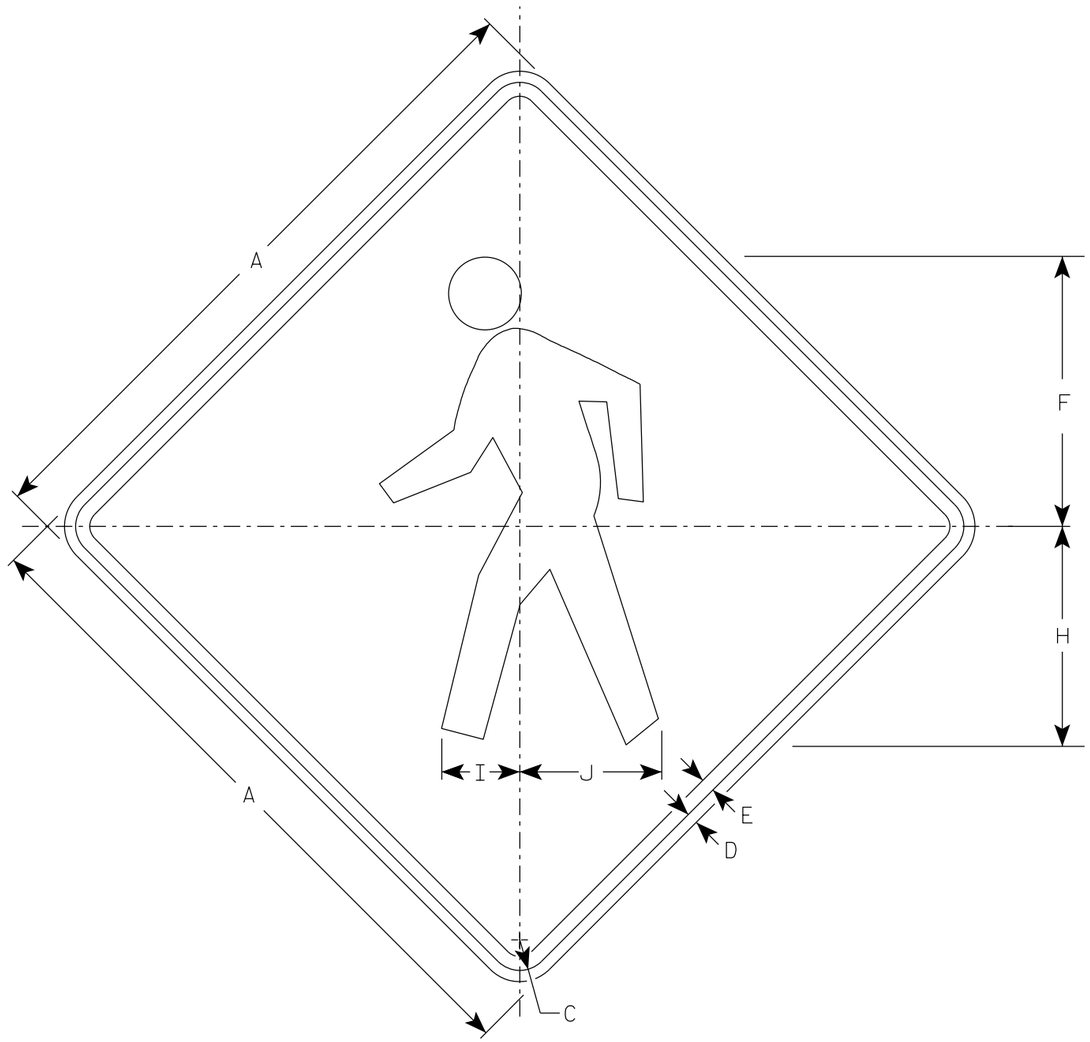
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. R15-3.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 370	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W11-2

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	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

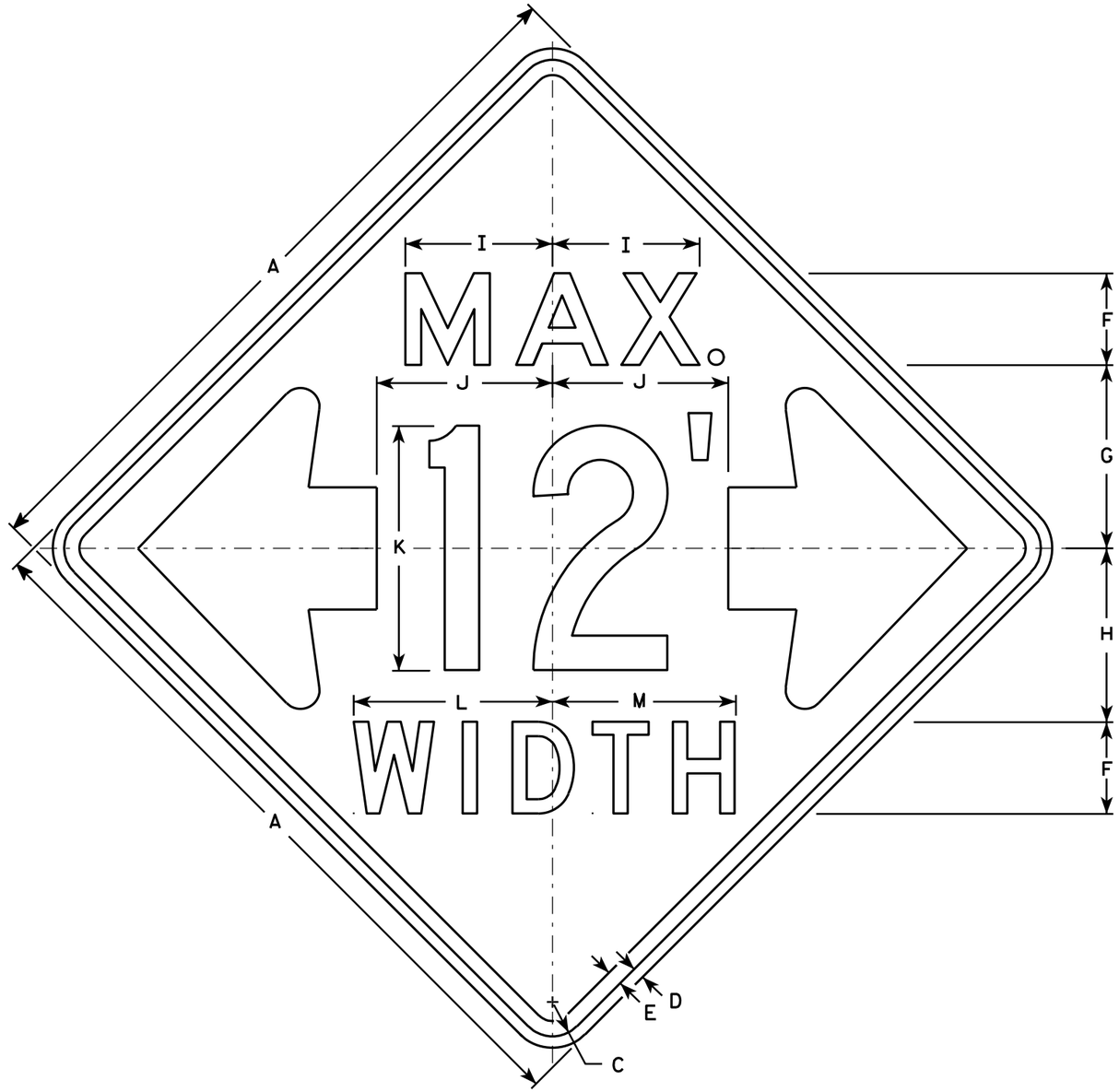
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

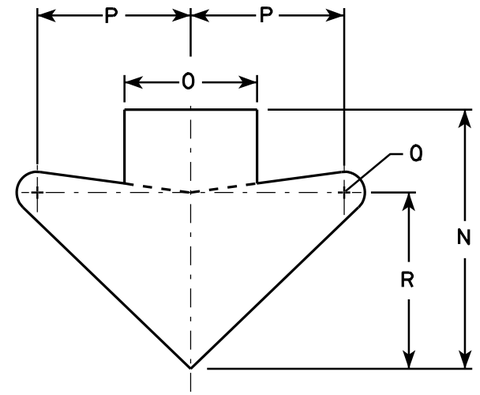
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 371 E



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

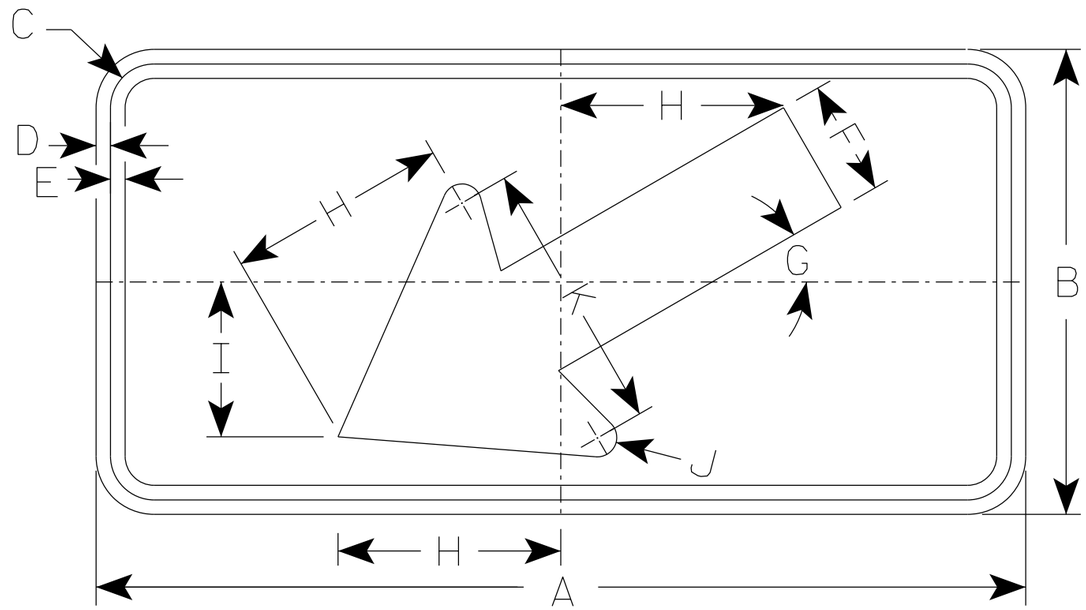
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 372 | E

7

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



W16-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W16-7R is the same as W16-7L except the arrow is reversed along the vertical centerline.

* For 36" x 36" Warning Signs, use 30" x 18" W16-7L signs.
* For 48" x 48" Warning Signs, use 48" x 24" W16-7L signs.

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	24	12	1 1/8	3/8	3/8	3	30°	5 3/4	4	1/2	7																2.0
* 2M	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 3	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
* 4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

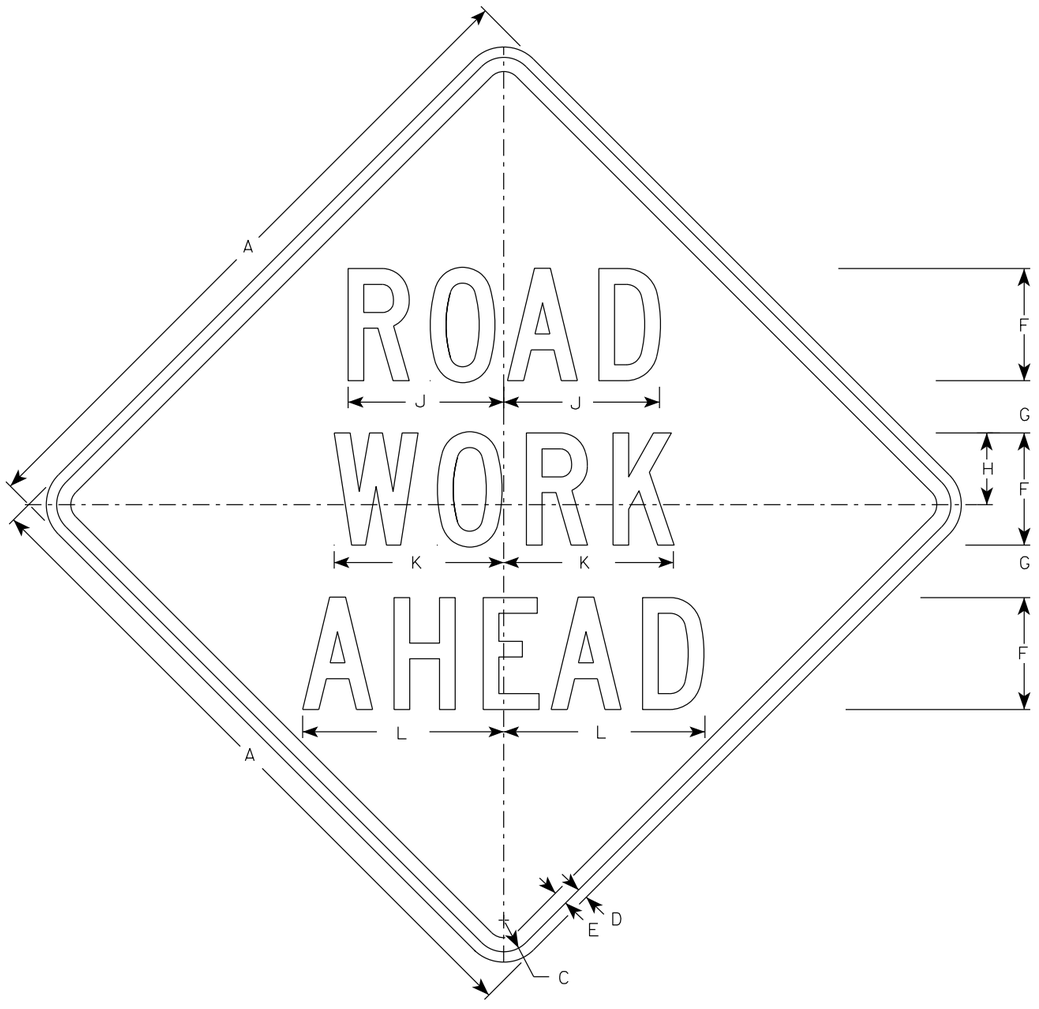
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

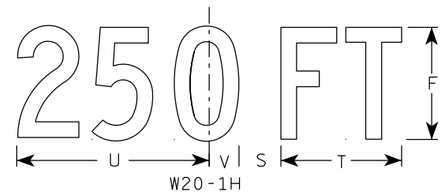
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W16-7.8

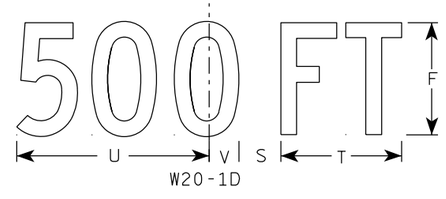
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 373	E



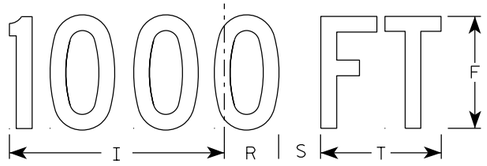
W20-1A



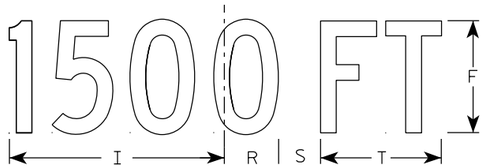
W20-1H



W20-1D



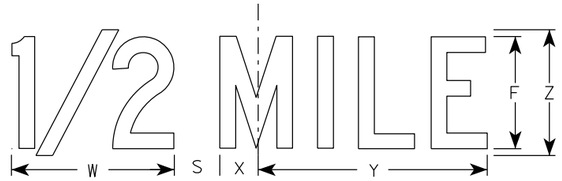
W20-1C



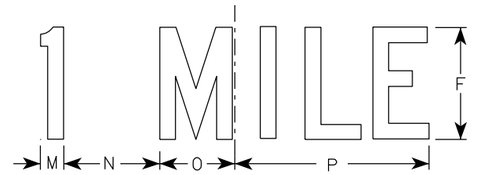
W20-1B

NOTES

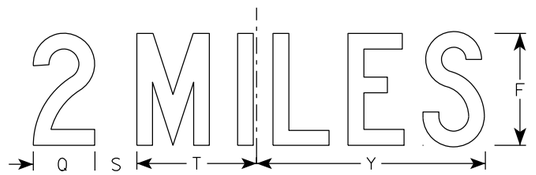
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

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	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

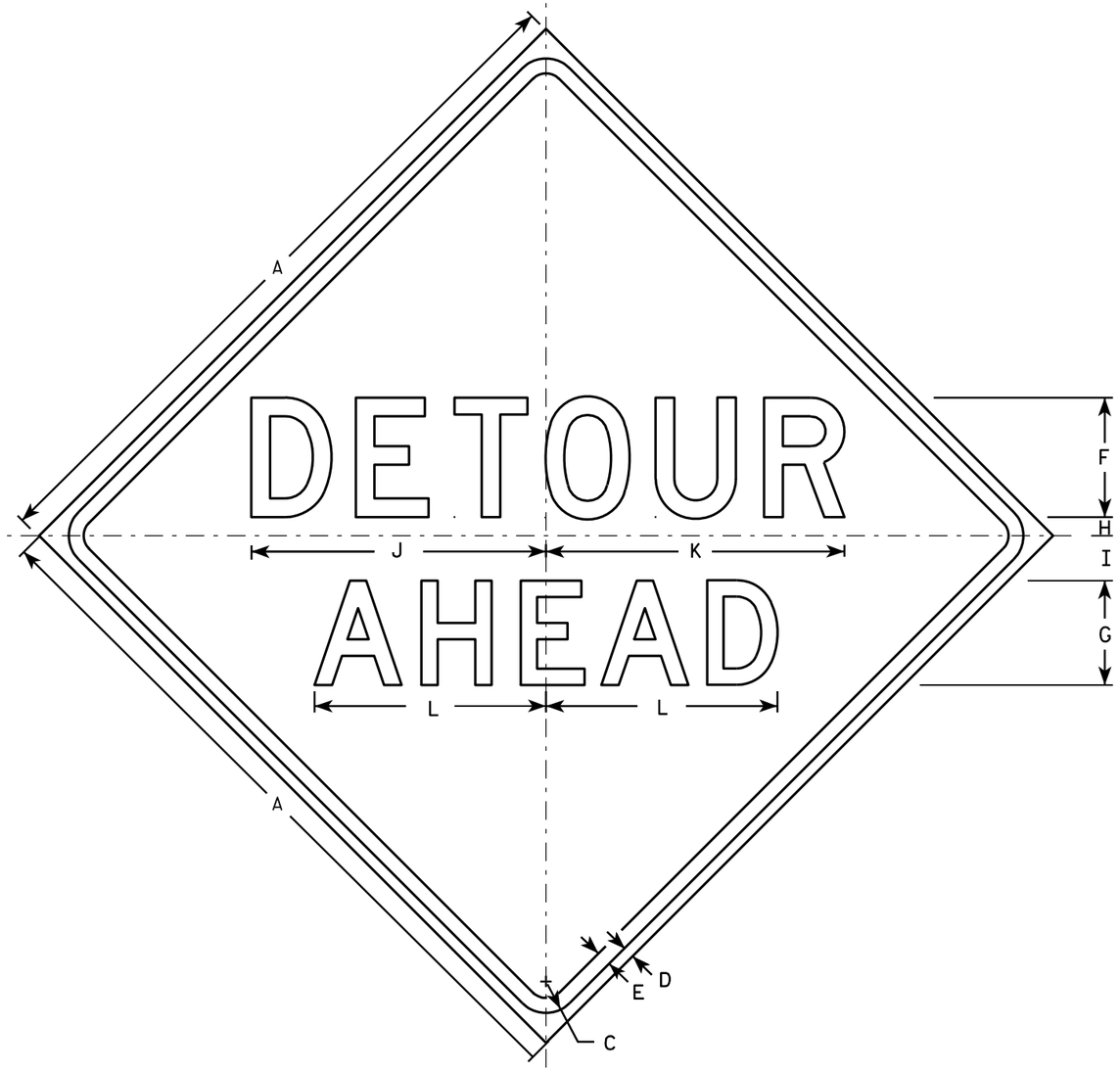
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

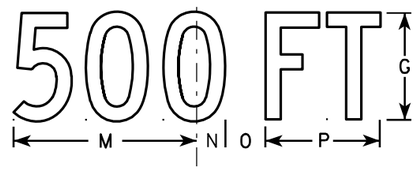
WISDOT/CADDS SHEET 42

7

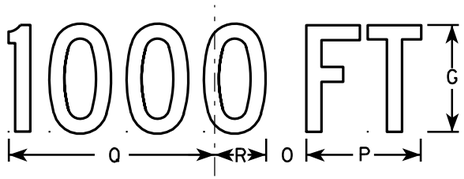
7



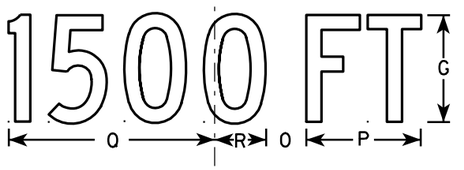
W20-2A



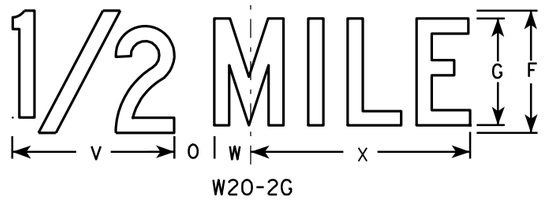
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

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. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

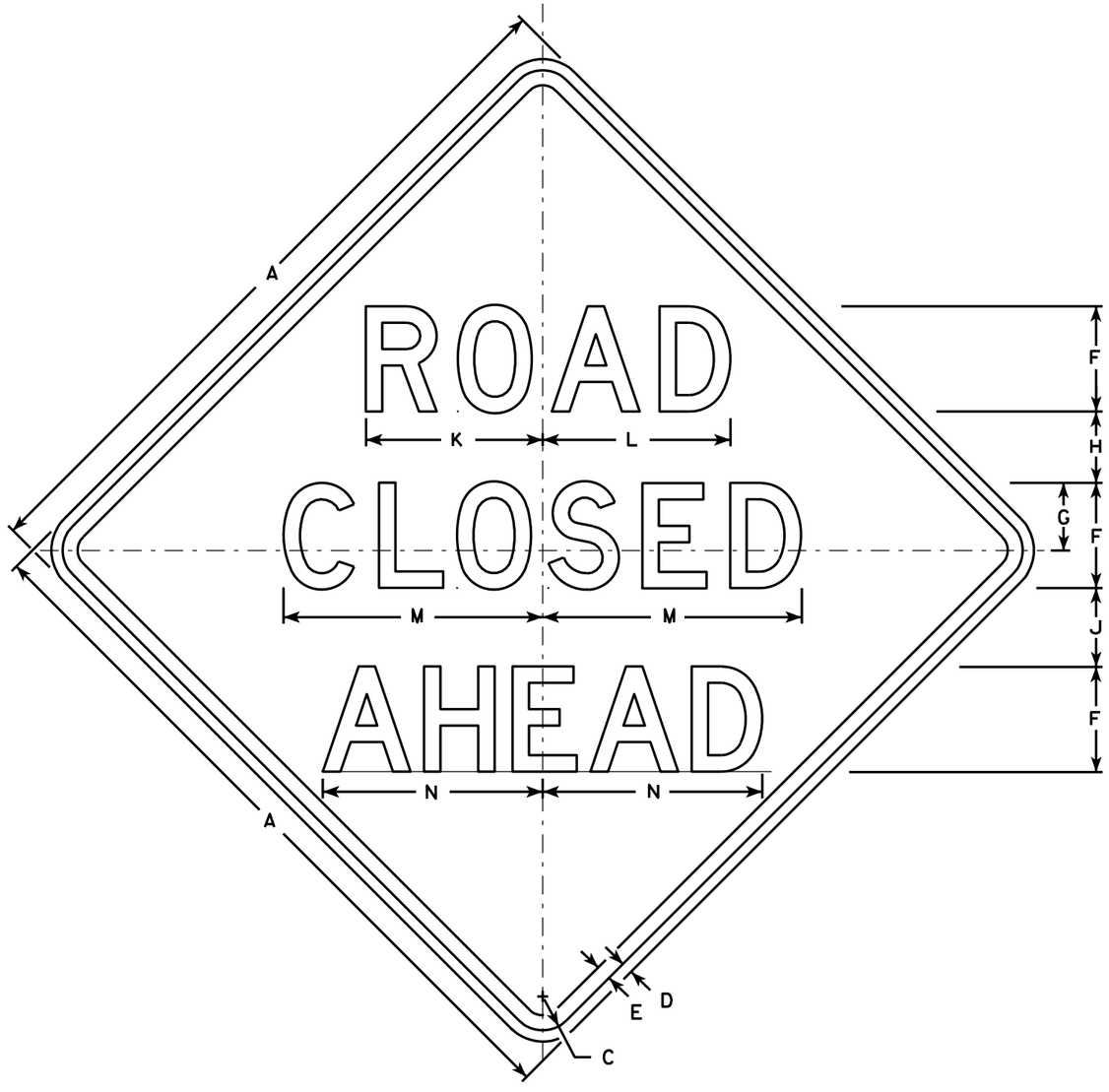
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

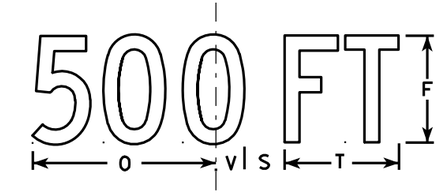
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 375 | E

7

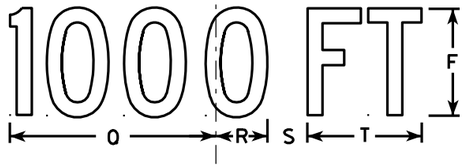
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



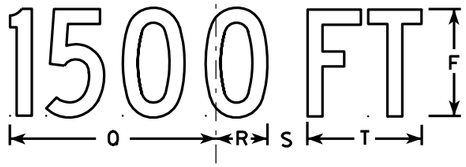
W20-3A



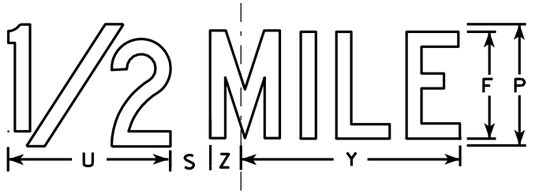
W20-3D



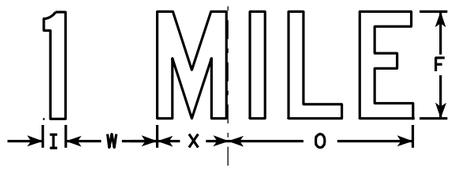
W20-3C



W20-3B



W20-3G



W20-3F

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. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

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	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 376 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

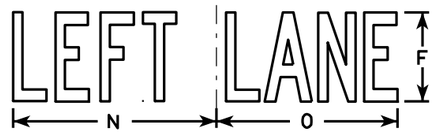
WISDOT/CADDS SHEET 42

7

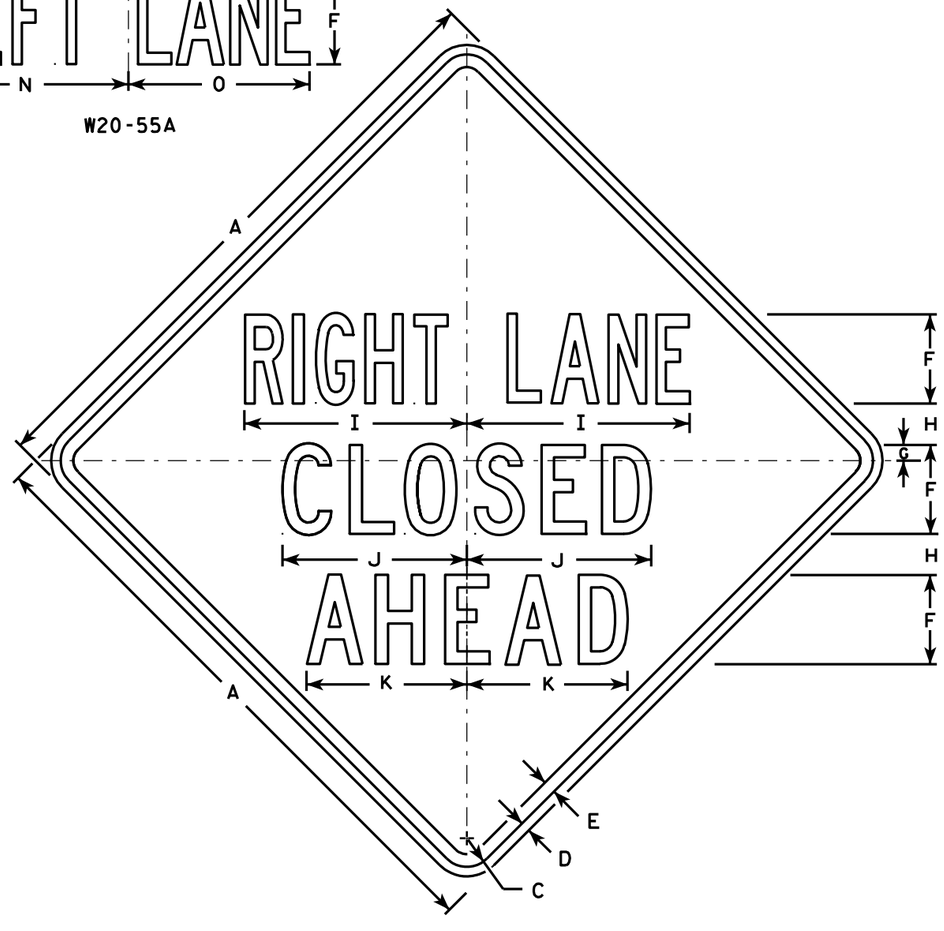
7



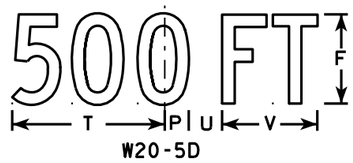
W20-56A



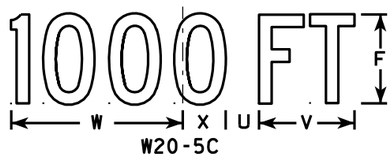
W20-55A



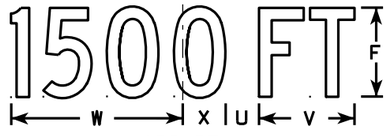
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

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. " _____ LANE" is Series B.
   All other copy is 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	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

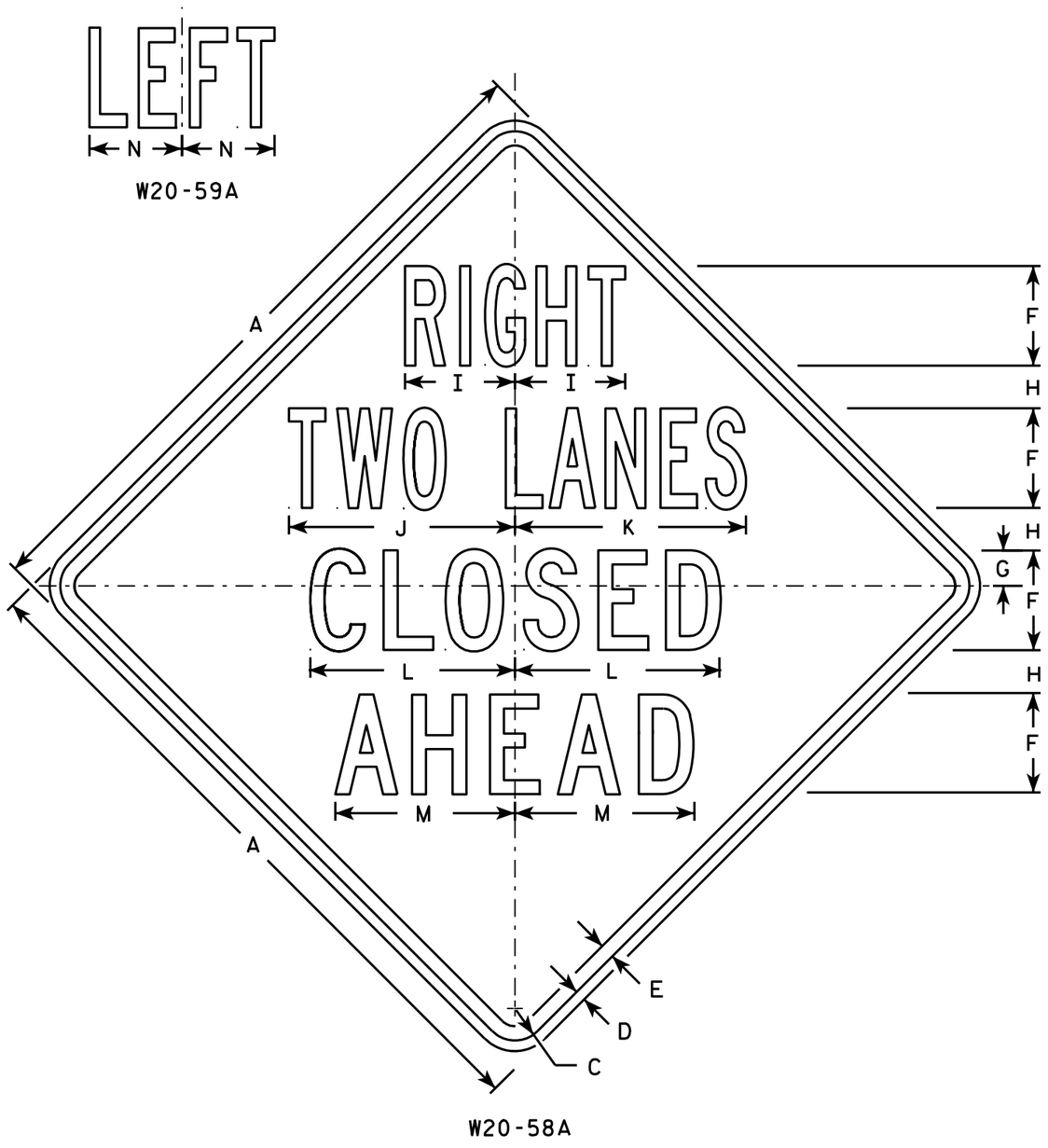
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

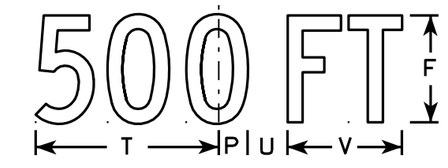
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 377 | E

7

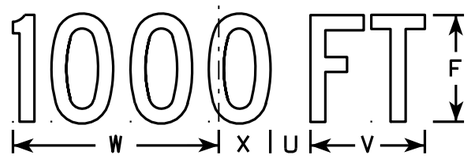
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



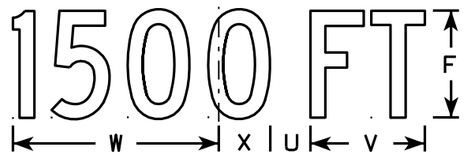
W20-58A



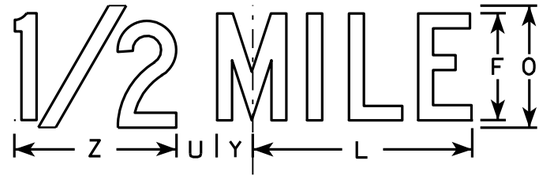
W20-58D



W20-58C



W20-58B



W20-58G



W20-58F

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. Lines 1 & 2 Series B.
   Lines 3 & 4 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	36		1 5/8	5/8	3/4	5	1 7/8	2 1/4	5 7/8	11 7/8	12 1/8	10 3/4	9 1/2	4 7/8	6	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48		2 1/4	3/4	1	7	2 1/2	3	7 3/4	15 7/8	16 1/4	14 3/8	12 5/8	6 1/2	8	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

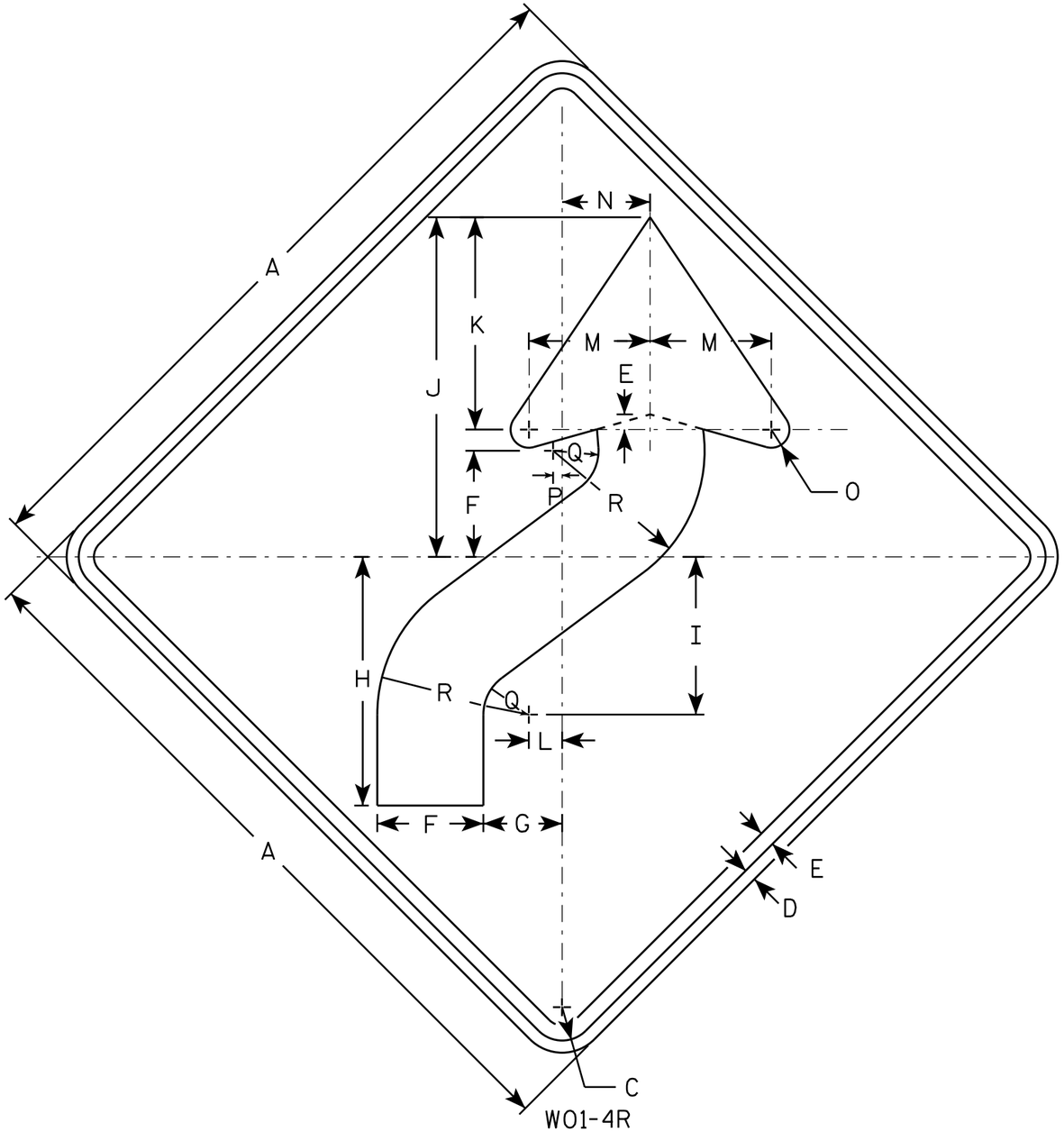
STANDARD SIGN
W20-58A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-58.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 378	E



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

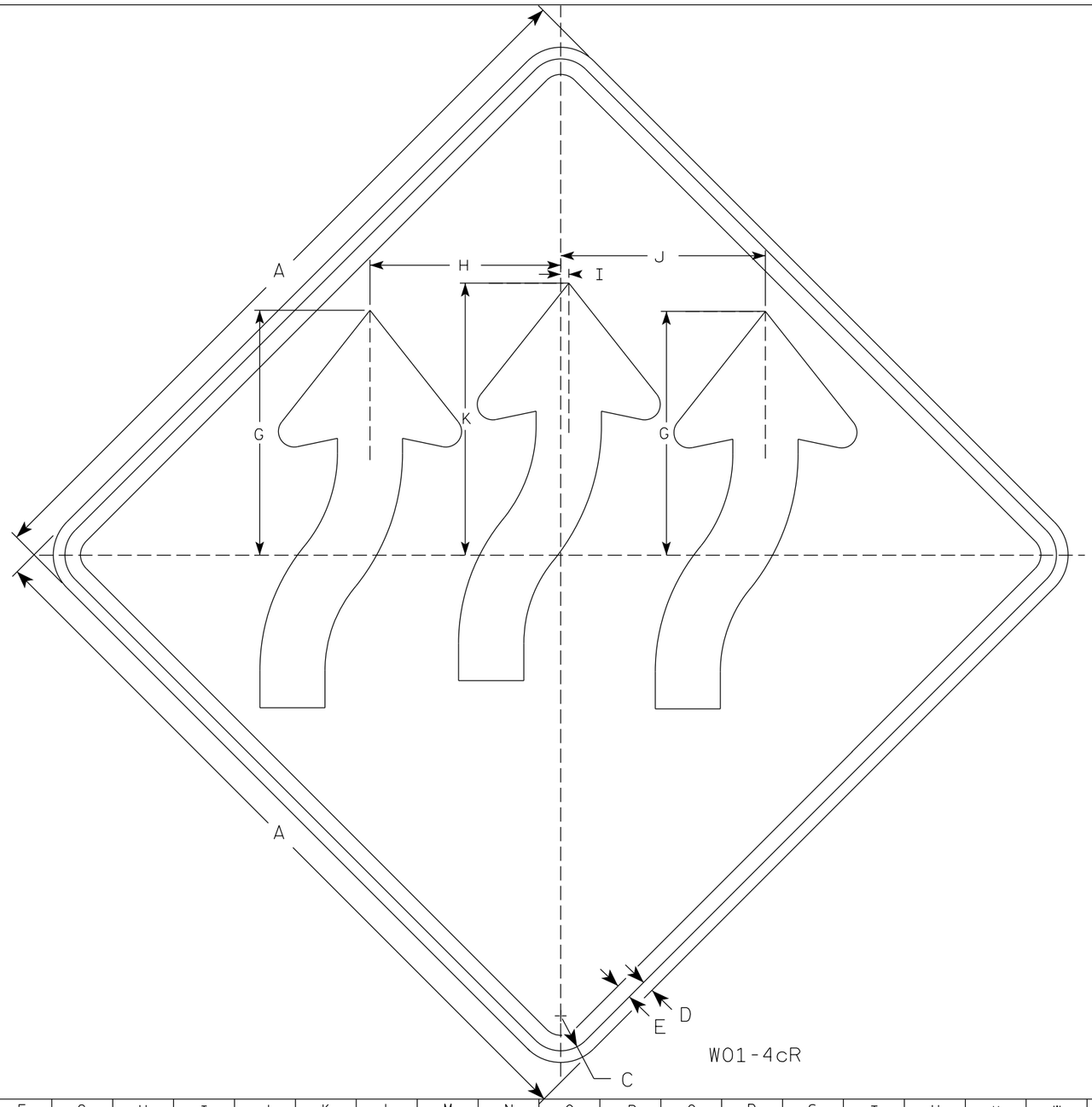
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

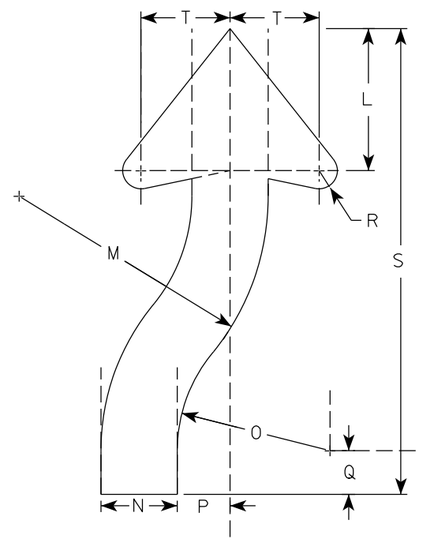
DATE 11/18/13 PLATE NO W01-4.1

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



W01-4cR



NOTES

1. Sign is Type II - Type F Reflective
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. W01-4cL is the same as W01-4cR except arrows are 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		11 3/4	9 1/4	3/8	9 7/8	13 1/8	5 7/8	10 1/4	3 1/8	6 1/4	2 1/4	1 7/8	3/4	19 1/4	3 3/4							9.0
2S	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
2M	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
3	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
4	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0
5	48		2 1/4	3/4	1		15 3/4	12 1/4	1/2	13 1/4	17 1/2	7 3/4	13 3/4	4 1/4	8 1/2	2 7/8	2 3/8	1	25 5/8	4 7/8							16.0

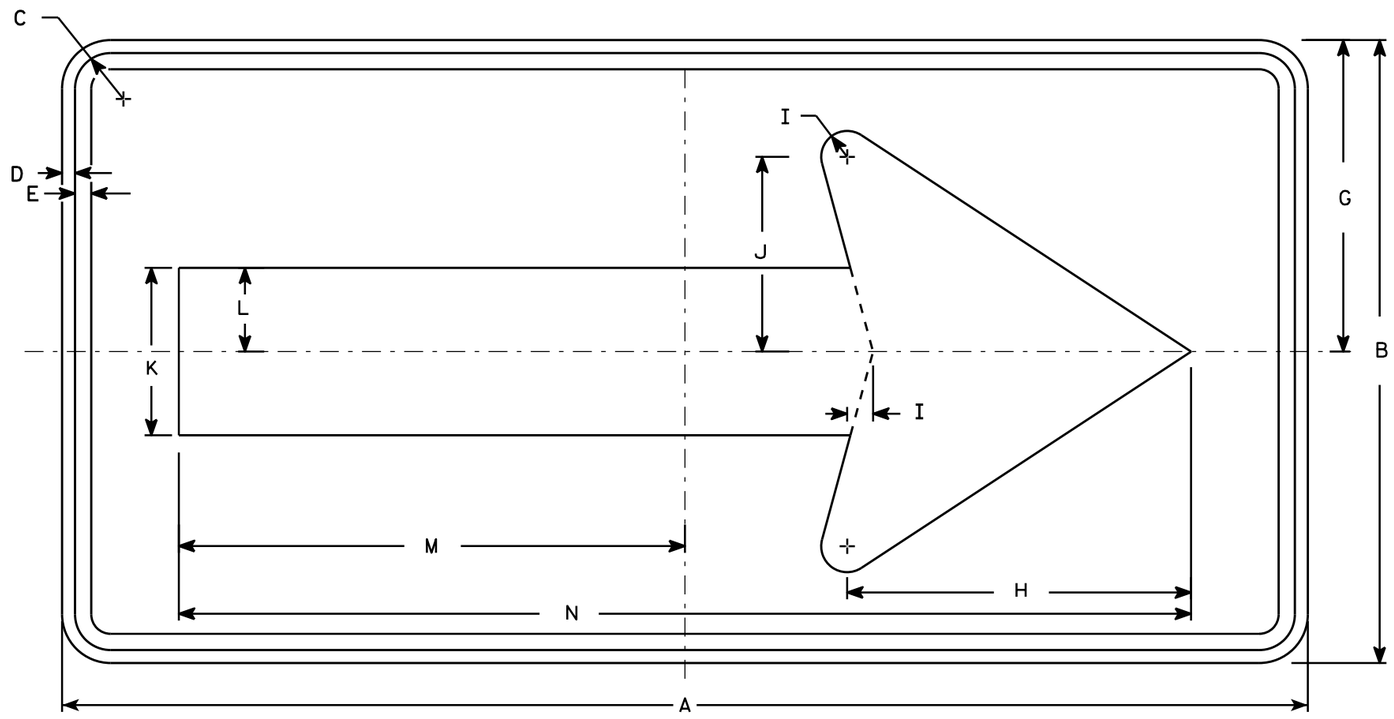
STANDARD SIGN
W01-4c

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/12/19 PLATE NO. W01-4c.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 380 | E



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

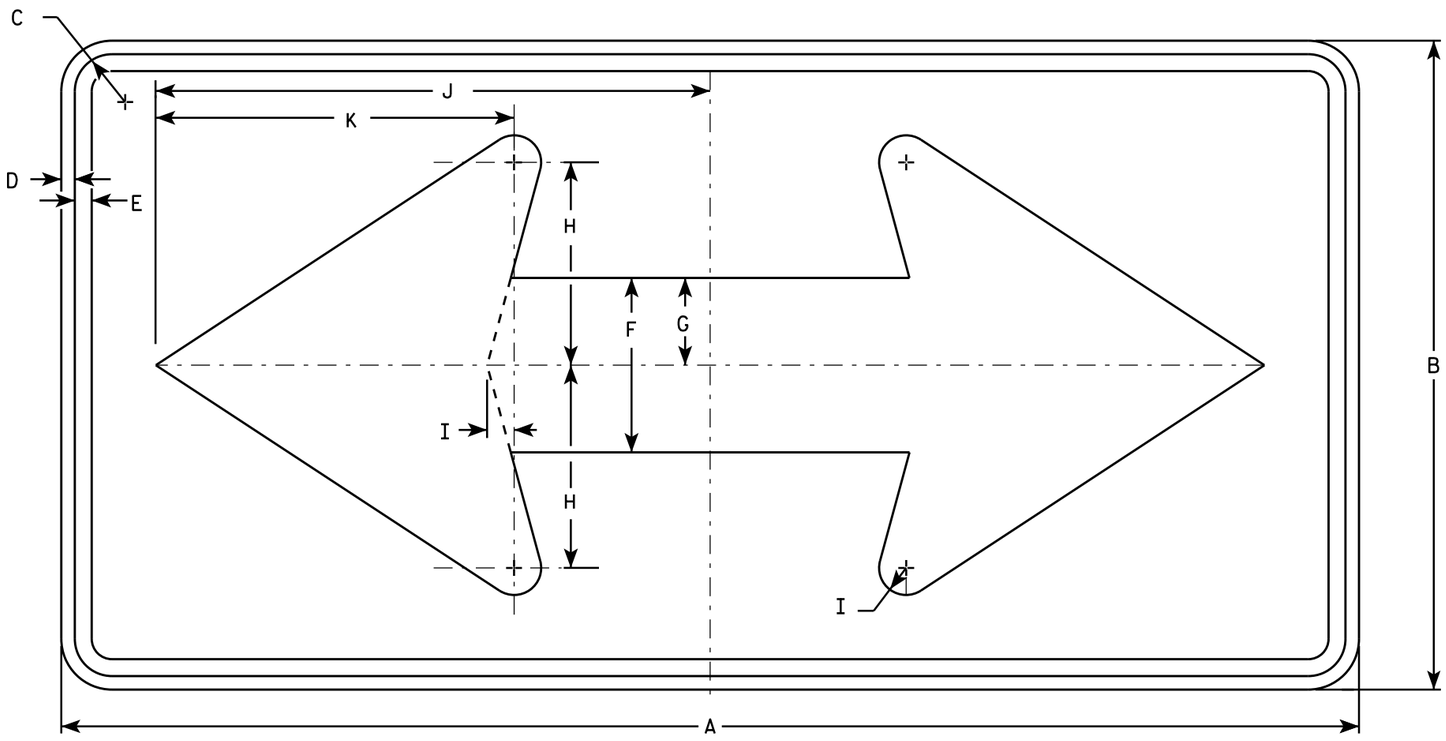
WISCONSIN DEPT OF TRANSPORTATION

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

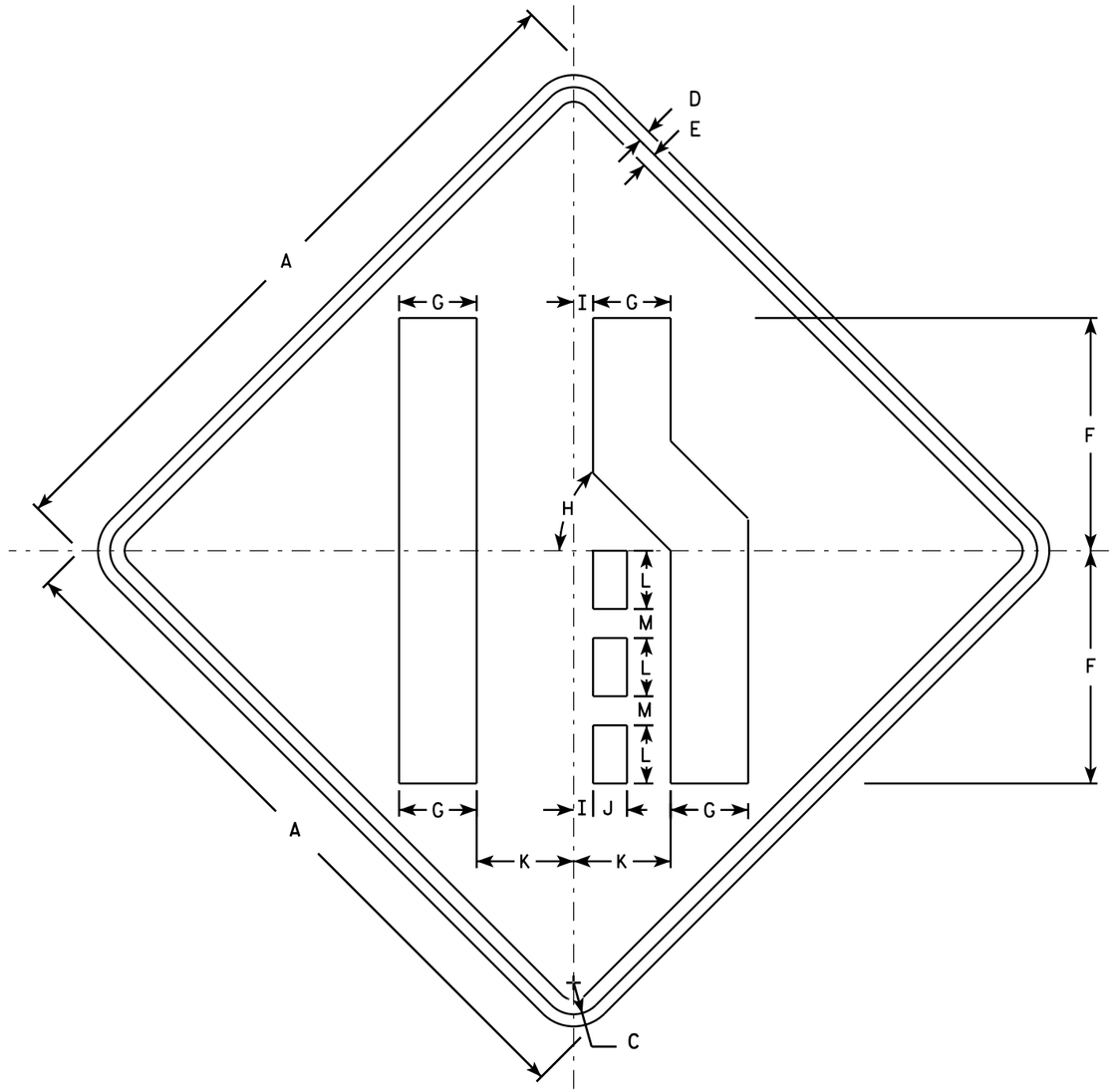
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1382 W01-7.1

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W017.DGN PLOT DATE : 20-NOV-2013 10:35 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.604022:1.000000 WISDOT/CADDS SHEET 42



W04-2R

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. W04-2L is the same as W04-2R except the symbol 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	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

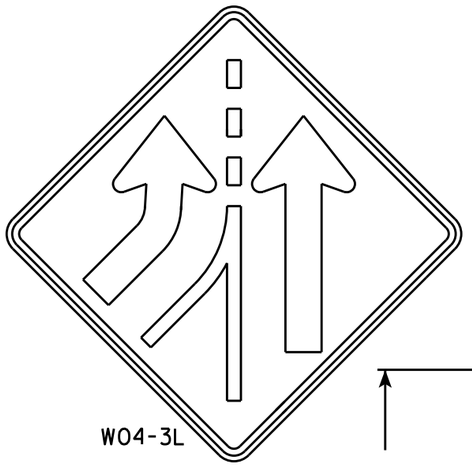
STANDARD SIGN
W04-2

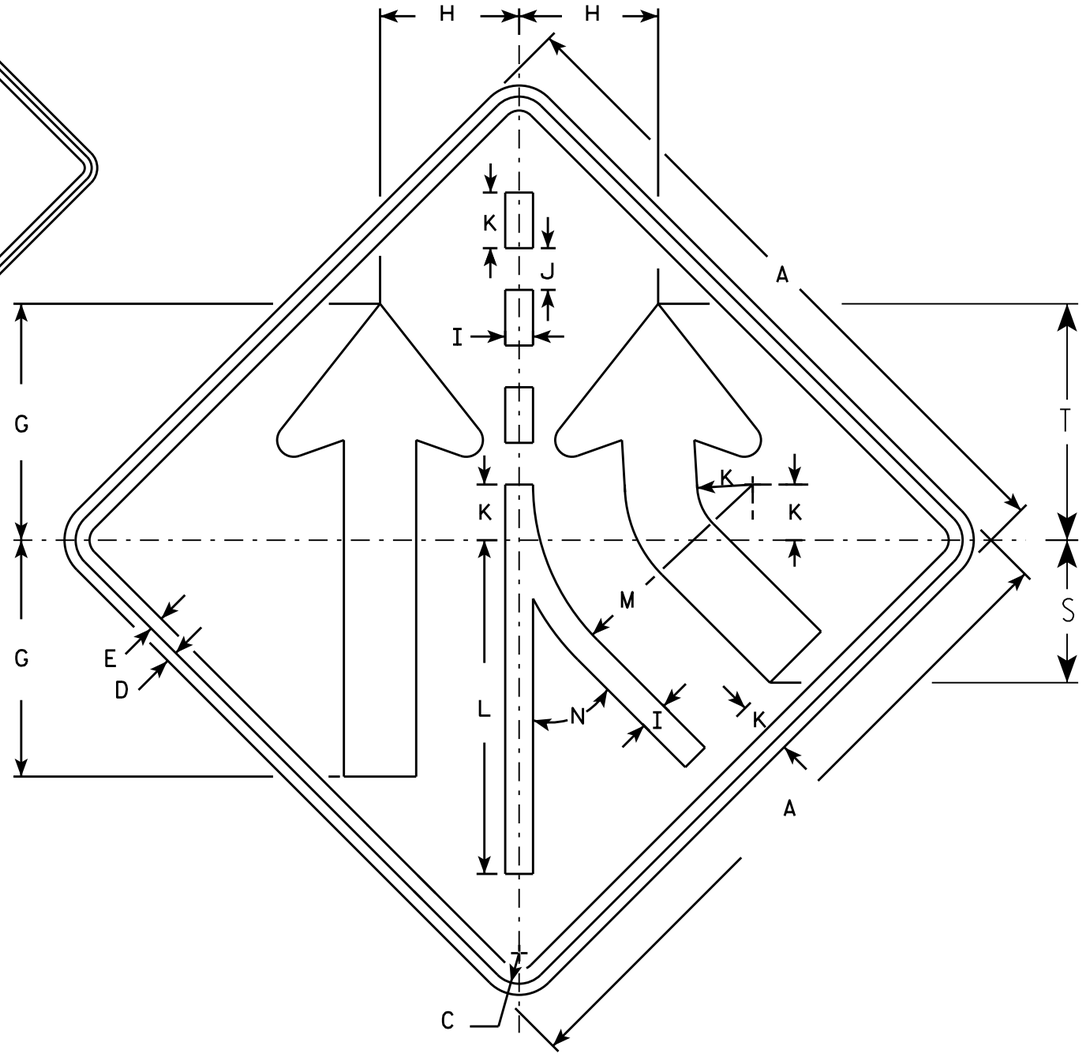
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 383 W04-2.1

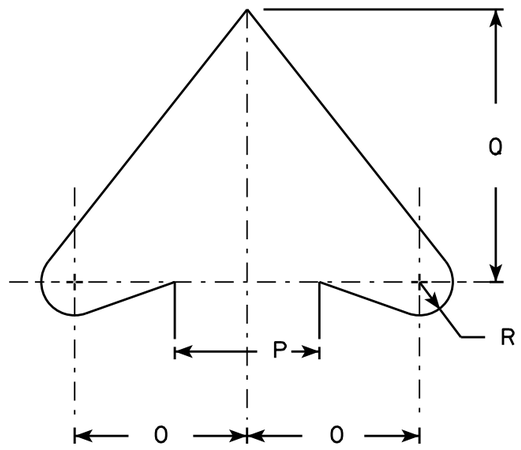
PROJECT NO: | SHEET NO: E





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. W04-3 L is the same as W04-3 R except the arrow is reversed along the vertical centerline.



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	36		1 5/8	5/8	3/4		12 3/4	7 1/2	1 1/2	2 1/4	3	18	11 7/8	45°	4 5/8	4	7 3/8	7/8	7 3/4	12 3/4							9.0
2S	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
2M	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
3	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
4	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0
5	48		2 1/4	3/4	1		17	10	2	3	4	24	15 3/4	45°	6 1/4	5 1/2	9 7/8	1 1/4	10 1/4	17							16.0

STANDARD SIGN

W0433

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

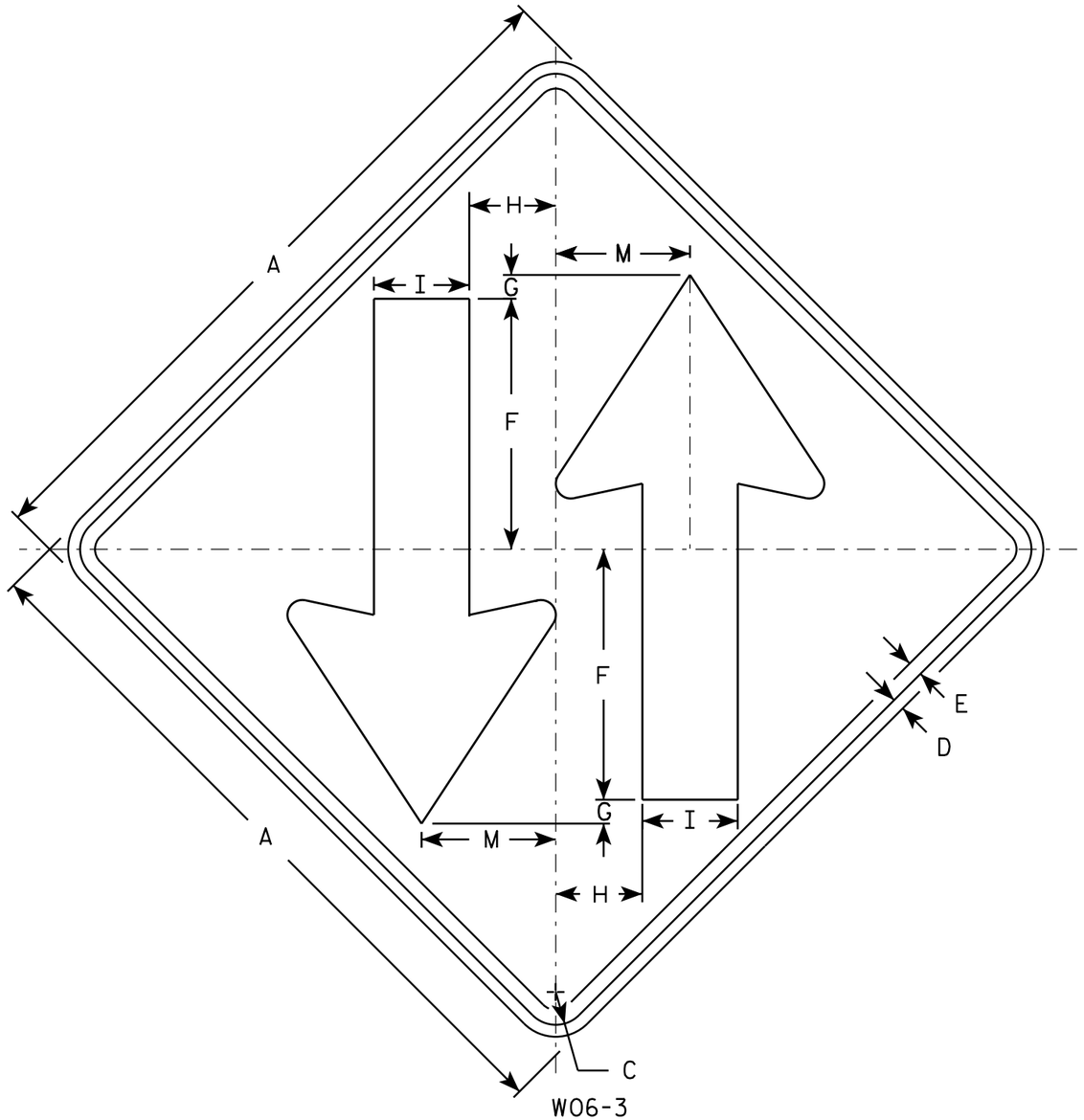
DATE 11/20/13 PLATE W04-3.1

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W043.DGN PLOT DATE : 20-NOV-2013 11:49 PLOT BY : mscsja 6.810449:1.000000

WISDOT/CADDS SHEET 42

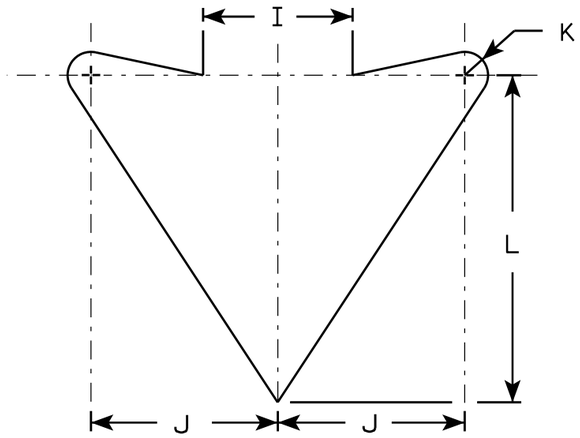
7 7



W06-3

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.



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	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

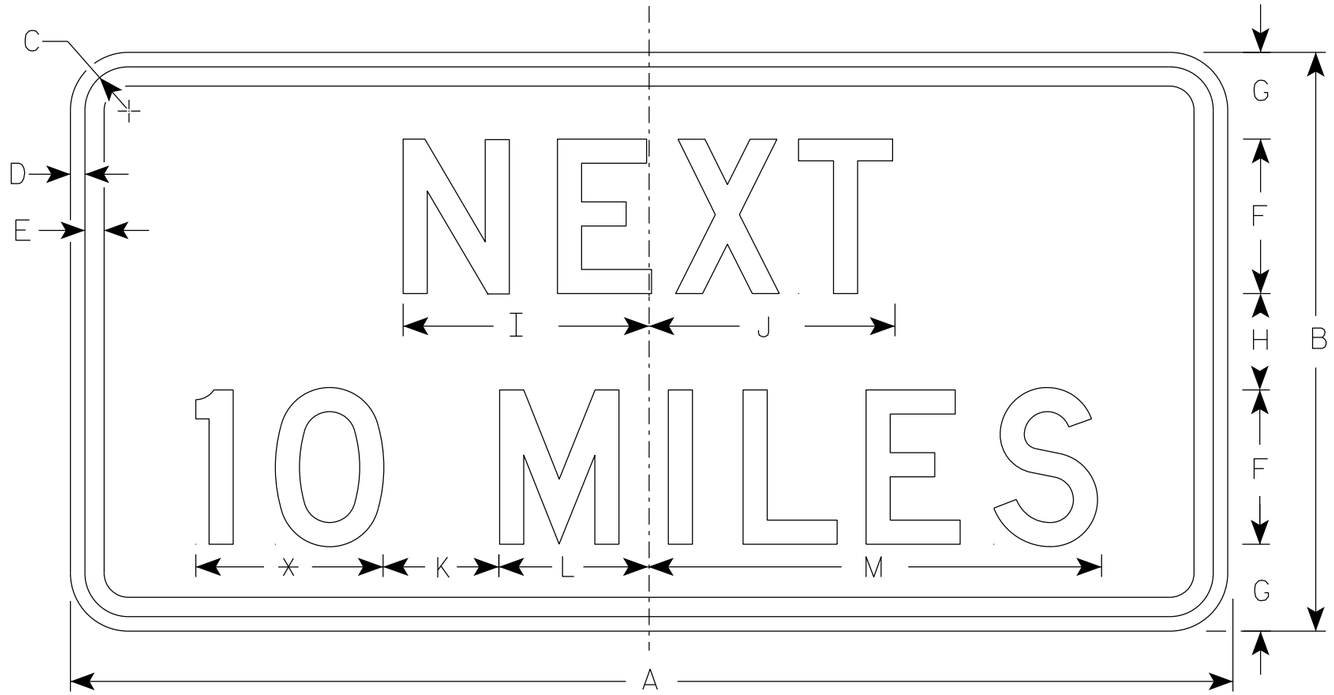
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 385 W06-3.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W057-51

* See note 5

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Round distance to the nearest whole Mile and substitute appropriate numerals and optically adjust spacing to achieve proper balance.

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	18	1 1/8	3/8	1/2	5	2 3/4	2 1/2	7 7/8	8	5	4 1/8	15 3/8														4.5
2S	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
2M	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
3	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
4	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0
5	48	24	1 3/8	1/2	5/8	6	4	4	10	10 1/8	6	5 5/8	19														8.0

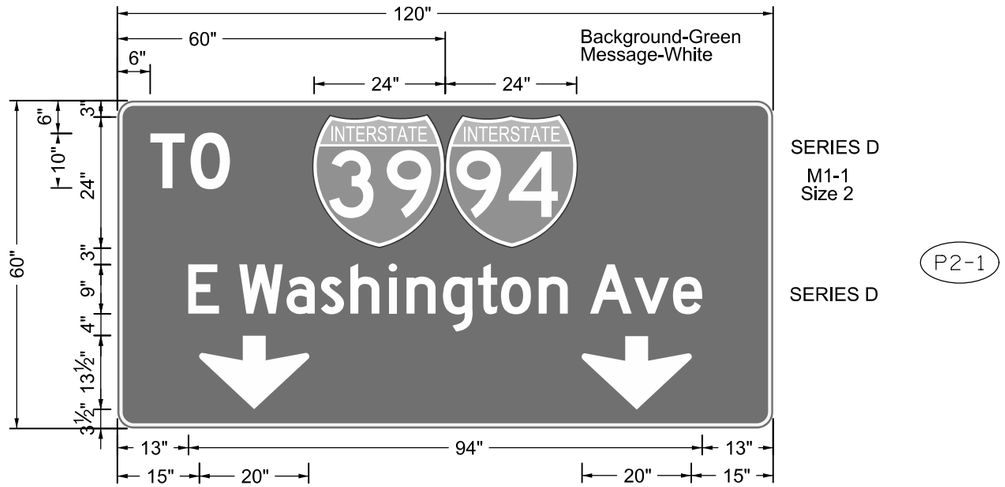
STANDARD SIGN
W057-51

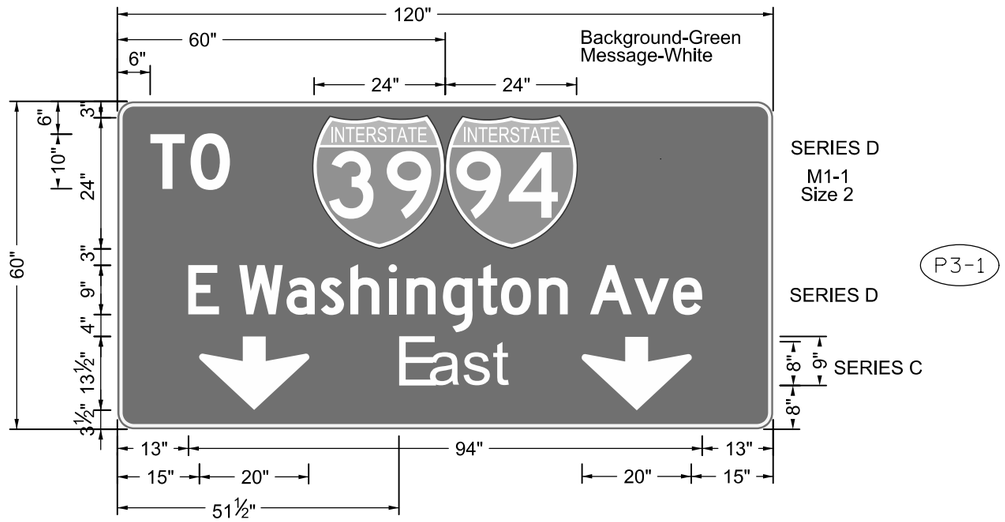
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/1/19 PLATE NO. W057-51.3

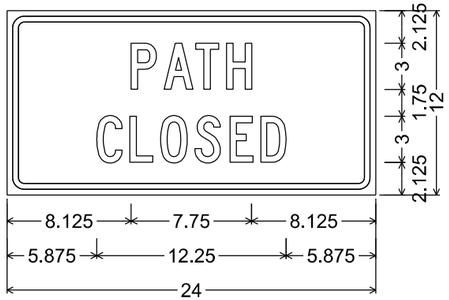
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 386	E



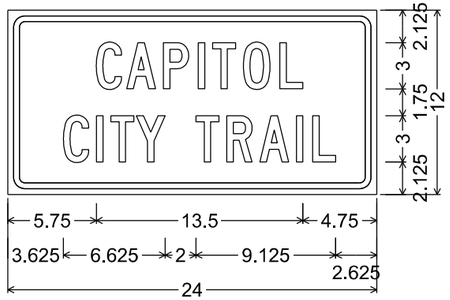


GENERAL NOTES:

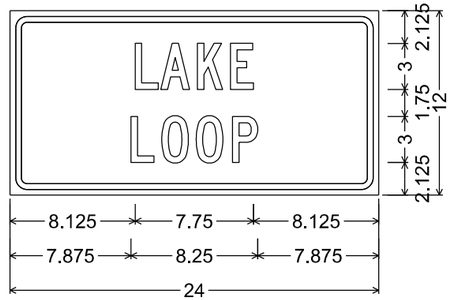
1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIRMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE II".
3. UNLESS OTHERWISE NOTED, TYPE I AND TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND, "TYPE H MESSAGE MATERIAL".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
5. ALL UPPER CASE MESSAGE (EXCEPT ON SHIELDS OR WHERE OTHERWISE NOTED) SHALL BE "SERIES D". ALL LOWERCASE MESSAGE WITH AN INITIAL UPPERCASE LETTER SHALL BE "SERIES D".
6. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
7. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
8. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
9. DO NOT SCALE.



1.125" Radius, 0.375" Border, 0.375" Indent



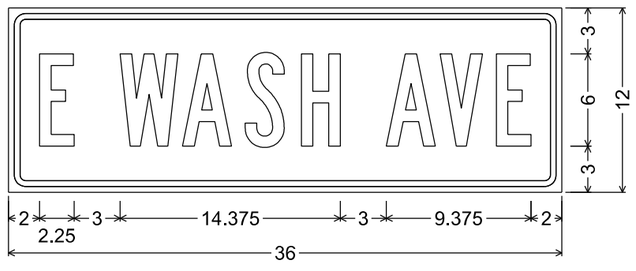
1.125" Radius, 0.375" Border, 0.375" Indent



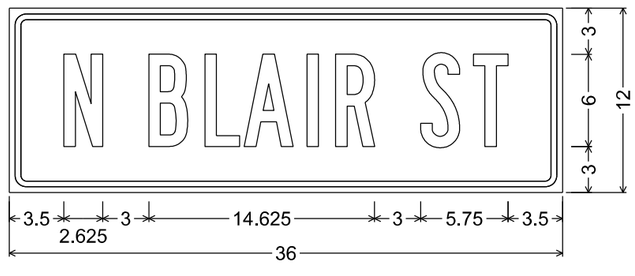
1.125" Radius, 0.375" Border, 0.375" Indent

NOTES

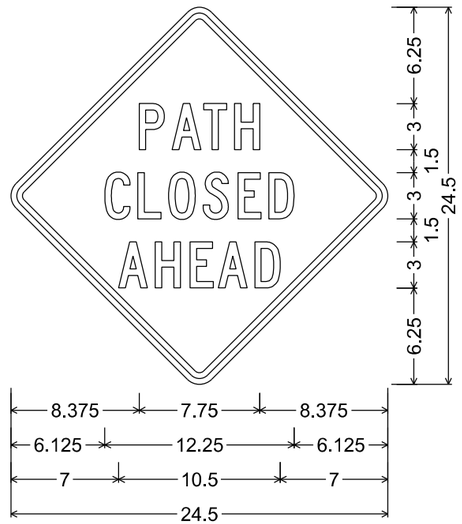
1. Fixed Message Signs Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C except as noted



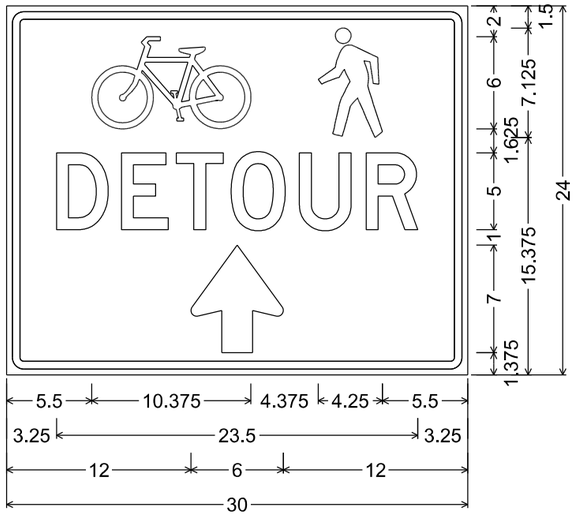
1.125" Radius, 0.375" Border, 0.375" Indent
"E", B; "WASH", B; "AVE", B;



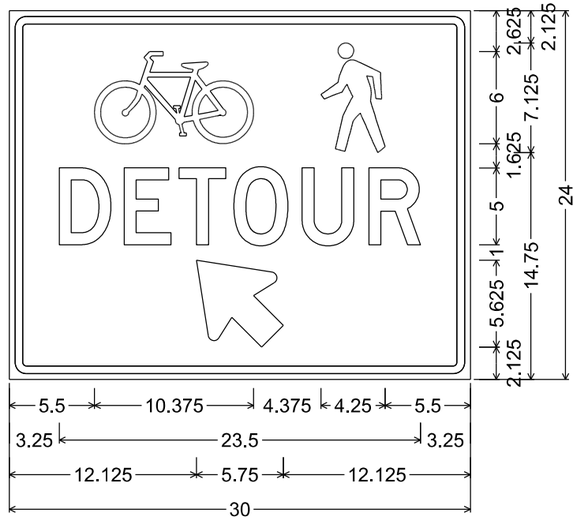
1.125" Radius, 0.375" Border, 0.375" Indent
"N", B; "BLAIR", B; "ST", B;



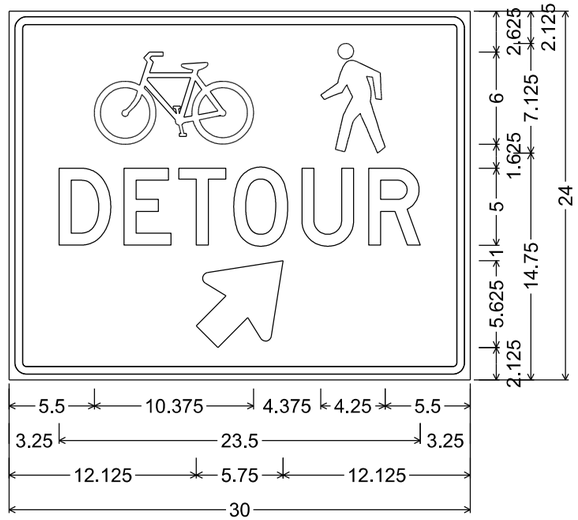
18.000" across sides 1.125" Radius, 0.375" Border, 0.375" Indent



1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D



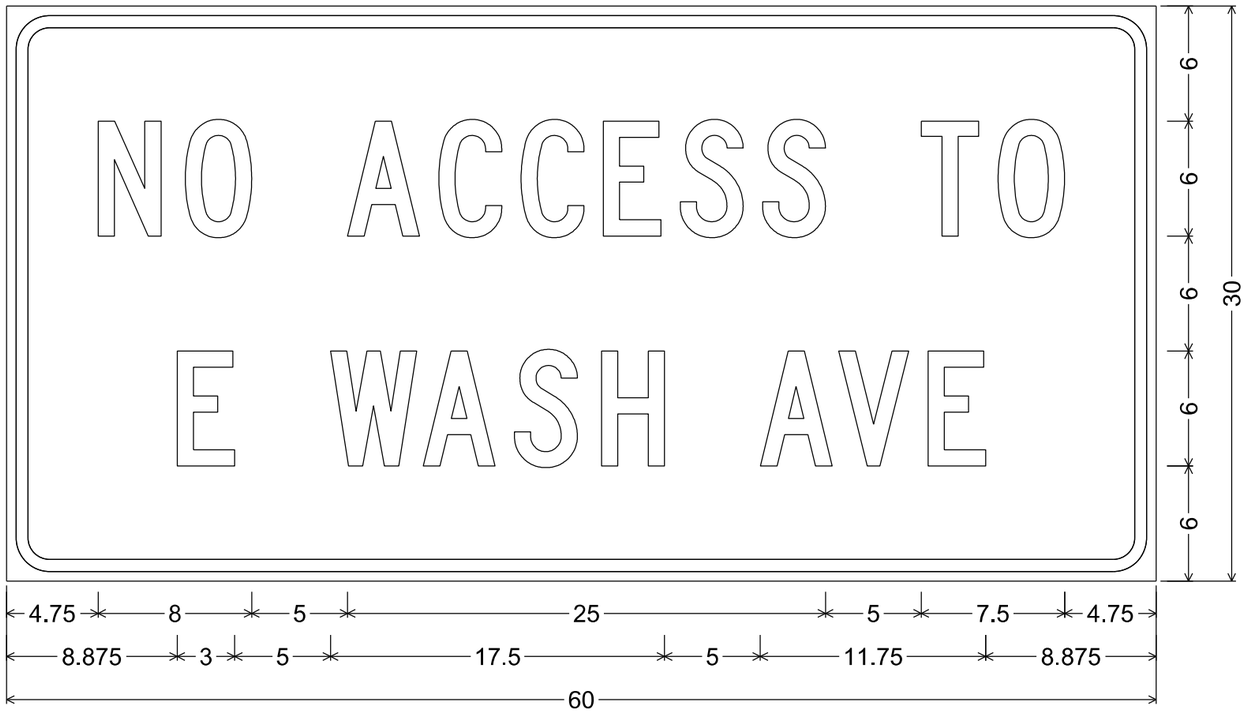
1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D



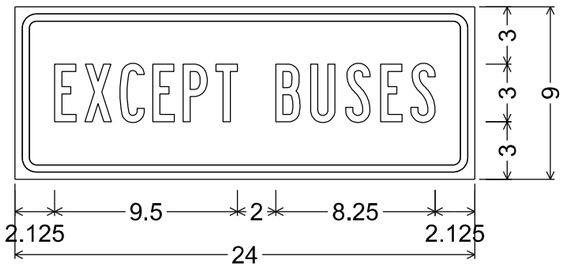
1.125" Radius, 0.500" Border, 0.375" Indent
"DETOUR", D

NOTES

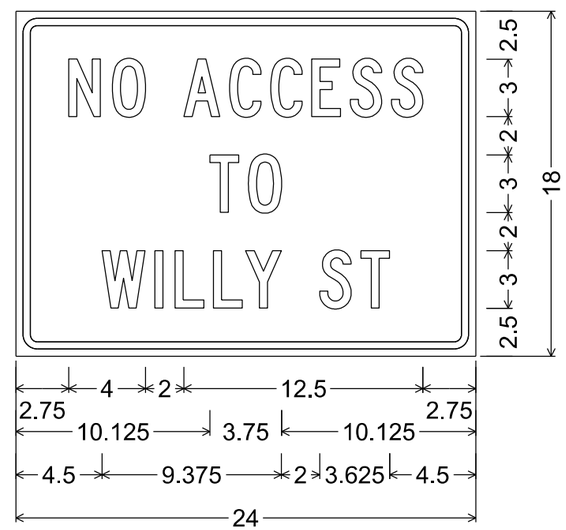
1. Fixed Message Signs Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except as noted



2.250" Radius, 0.625" Border, 0.500" Indent



1.125" Radius, 0.375" Border, 0.375" Indent
"EXCEPT", B; "BUSES", B



1.125" Radius, 0.375" Border, 0.375" Indent

DESIGN DATA

CONTRACTOR DESIGNED OVERHEAD SIGN STRUCTURES SHALL BE DESIGNED ACCORDING TO THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 1ST EDITION AND INTERIM SPECIFICATIONS, AND THE WISDOT BRIDGE MANUAL.

STANDARD FOUNDATIONS DESIGNED ACCORDING TO THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION.

DEAD LOAD: WT. OF SIGN AND SUPPORTING STRUCTURE.
ICE LOAD: 3 PSF TO ONE FACE OF SIGN & SURFACE OF MEMBERS.
WIND PRESSURE: 115 MPH (3-SEC. GUST SPEED) TO SIGN AREA & EXPOSED MEMBERS. (700 YEAR MEAN RECURRENCE INTERVAL)

WIND COMPONENTS	NORMAL	TRANSVERSE
LOAD CASE 1:	1.00	0.00
LOAD CASE 2:	0.00	1.00
LOAD CASE 3:	0.75	0.75

LOAD COMBINATIONS

STRENGTH I:	1.25 DC + 1.6 LL
EXTREME I (MAX DC):	1.1 DC + 1.0 W + 1.0 ICE
EXTERME I (MIN DC):	0.9 DC + 1.0 W
SERVICE I:	1.0 DC + 1.0 W
FATIGUE I:	1.0 NWG (NATURAL WIND GUST VIBRATION)
	1.0 TRG (TRUCK INDUCED GUST VIBRATION)
	1.0 GVW (GALLOPING - CANTILEVER ONLY)

MATERIAL PROPERTIES

CONCRETE MASONRY ——— f'c = 3,500 psi

HIGH STRENGTH STEEL REINFORCEMENT, GRADE 60 ——— fy = 60,000 psi

HIGH STRENGTH BOLTS - A325 ——— fy = 92,000 psi

ANCHOR RODS - ASTM F1554 GRADE 55 ——— fy = 55,000 psi

HEAVY HEX NUTS FOR ANCHOR RODS - ASTM A563A

WASHERS FOR ANCHOR RODS - ASTM F436

FOUNDATION DATA

SIGN STRUCTURE FOUNDATIONS ARE SUPPORTED ON DRILLED SHAFTS THAT HAVE BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 24° (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 750 PSF (COHESIVE SOILS) AND A UNIT WEIGHT OF 125 PCF. THE GROUND WATER TABLE FOR DESIGN IS ASSUMED TO BE AT A DEPTH OF 10'-0" BELOW THE GROUND SURFACE, ACTUAL WATER LEVEL AT SITE MAY VARY. THE REGION GEOTECHNICAL ENGINEER SHALL VISUALLY INSPECT THE SUBSURFACE SOILS DURING DRILLING OF THE SHAFT HOLE TO CONFIRM THESE PROPERTIES PRIOR TO PLACEMENT OF THE DRILLED SHAFT CONCRETE.

TOTAL ESTIMATED QUANTITIES

BID ITEM NO.	BID ITEM	UNIT	S-13-567	S-13-568
531.2042	DRILLING SHAFT 42-INCH	LF	23	23
531.5140	FOUNDATION SINGLE-SHAFT TYPE MC-IV	EA	1	1
532.5140	MONOTUBE CANTILEVER TYPE IV	EA	1	1

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALTERNATE DESIGNS ARE NOT ALLOWED.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), DANE COUNTY ZONE, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD 88 (1991).

ALL REINFORCING BARS ARE IN ENGLISH UNITS. THE FIRST DIGIT OF A THREE-DIGIT BAR MARK OR THE FIRST TWO DIGITS OF A FOUR-DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

SIGN BRIDGE ID PLAQUES SHALL BE CONSIDERED INCIDENTAL TO THE TRUSS OR MONOTUBE BID ITEMS FOR EACH APPLICABLE SIGN STRUCTURE IN THE PLAN SET. LOCATE THE ID PLAQUE ON THE FREEWAY SIDE OF THE SUPPORT COLUMN SO THAT IT CAN BE SEEN FROM THE ROADWAY. FABRICATE AND INSTALL THE ID PLAQUE IN ACCORDANCE WITH S.D.D. 12 A 4-3.

UNLESS DETAILED OTHERWISE IN THE PLANS, ALL H.S. BOLTED CONNECTIONS SHALL BE MADE WITH ¾" DIA A325 GALVANIZED BOLTS. FIELD CONNECTIONS SHALL BE INSTALLED WITH DTI WASHERS.

WELDED CONNECTIONS CAN BE USED IN LIEU OF BOLTED CONNECTIONS, IF A TRUSS UNIT CAN BE GALVANIZED IN ONE PIECE.

WELD TEST AS PER AWS D1.1.

SEE SIGN PLATE NO. A4-6, A4-7A & A4-7B OF THE SIGN PLATE MANUAL FOR INSTRUCTIONS ON CENTERING SIGNS VERTICALLY ON THE TRUSS.

SIGNS OR BLANKS SHALL BE INSTALLED ON TRUSS AT TIME OF ERECTION. BLANKS SHALL BE 1/4 THE LENGTH OF THE CANTILEVER SPAN, 2'-0" DEEPER THAN THE C/L TO C/L OF CHORDS, AND SHALL BE CENTERED ON THE BRIDGE. SIGNS SHALL BE AS DESIGNATED ON THE PLANS.

THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL-INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION OF THE TYPE AND LOCATION OF UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS PER THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS PRIOR TO FABRICATION OF THE STRUCTURE. CONTRACTOR SHALL SHOW SIGNS ON THE SHOP DRAWINGS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DRILLING OR EXCAVATING AND MAINTAINING A STABLE AND OPEN HOLE FOR SUBSEQUENT INSTALLATION OF CONCRETE MASONRY FOR THE DRILLED SHAFTS. PARTIAL OR FULL DEPTH TEMPORARY CASING MAY BE REQUIRED TO MAINTAIN THE STABILITY OF THE EXCAVATED HOLE FOR THE SIGN SUPPORT PRIOR TO FILLING THE HOLE WITH CONCRETE. PERMANENT CASING MADE FROM STEEL OR CORRUGATED METAL PIPE MAY BE USED IN LIEU OF TEMPORARY CASING. TEMPORARY/PERMANENT CASING, IF USED, SHALL BE INCIDENTAL TO THE BID ITEM "DRILLING SHAFT (DIA.)".

STRUCTURE DATA

SIGN STR	ACTUAL SIGN AREA	ACTUAL SIGN DEPTH	STANDARD TYPE
S-13-567	50 SF	5'-0"	IV
S-13-568	50 SF	5'-0"	IV

LIST OF DRAWINGS

1. GENERAL NOTES & DESIGN DATA
2. GENERAL LAYOUT S-13-567
3. GENERAL LAYOUT S-13-568

LIST OF OSS STANDARD DESIGN DRAWINGS

4. I. MONOTUBE & 2-CHORD TRUSS DETAILS 1
5. II. MONOTUBE & 2-CHORD TRUSS DETAILS 2
6. III. MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS
7. IV. MONOTUBE & 2-CHORD TRUSS FOUNDATION DETAILS

STATE PROJECT NUMBER
5400-00-73

TRAFFIC VOLUME

A.D.T. (2042) = 26,800
R.D.S. = 25 MPH

STRUCTURE DESIGN CONTACTS:
AARON BONK (608) 261-0261
BRETT OFTEDAHL (608) 251-4843

THESE ARE STANDARD DESIGN PLANS, DEVELOPED AND MAINTAINED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION. THE DESIGNER CERTIFIES THAT THE DESIGN AND PLAN DETAILS CHOSEN ARE CONSISTENT WITH THE GUIDANCE PROVIDED IN THE CURRENT WISCONSIN BRIDGE MANUAL CHAPTER 39.

WISCONSIN PROFESSIONAL ENGINEER
BRETT M. OFTEDAHL
E-41123
MADISON WI
5/27/21

NO.	DATE	REVISION	BY

BUREAU OF STRUCTURES

ACCEPTED SDR 08/17/21
CHIEF STRUCTURES DESIGN ENGINEER DATE

MONOTUBE AND 2-CHORD TRUSS PLANS

E. WILSON ST TO BLOUNT ST

COUNTY DANE | ~~TOWN~~/CITY/~~VILLAGE~~ MADISON

DESIGN SPEC. AASHTO LRFDLTS-1 W/INTERIMS

DESIGNED BY	DESIGNED CK'D.	DRAWN BY	PLANS CK'D.
BOS	BOS	RAJ	BMO

GENERAL NOTES & DESIGN DATA

SHEET 1 OF 3
390

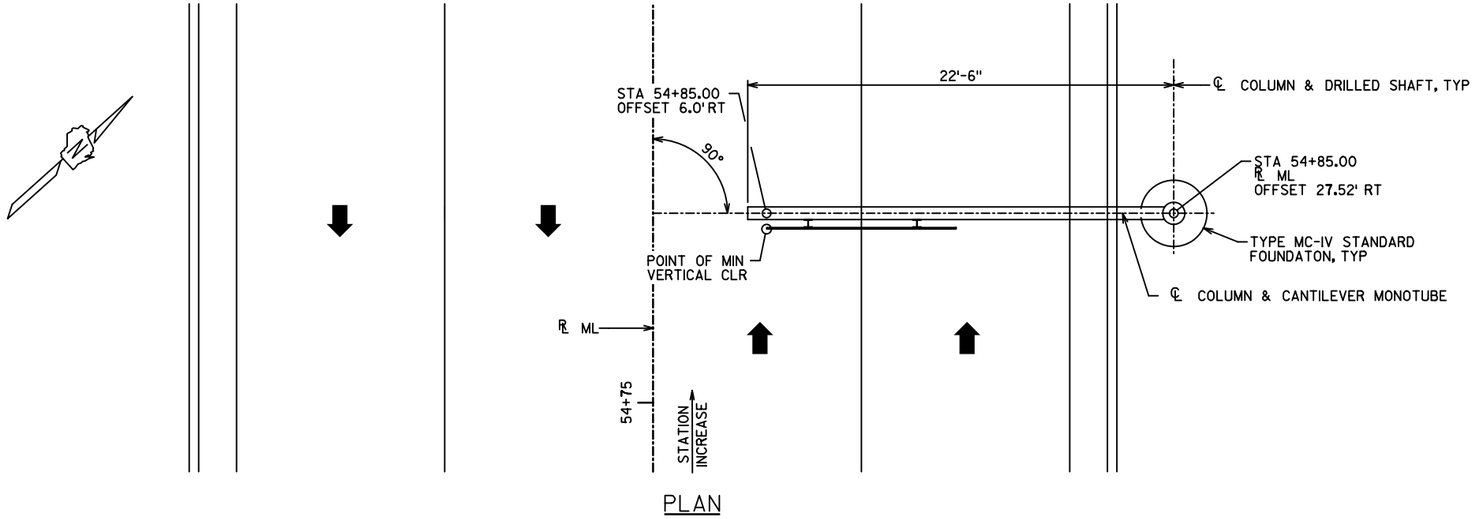
I.D. 5400-00-73 DATE: 05/2021

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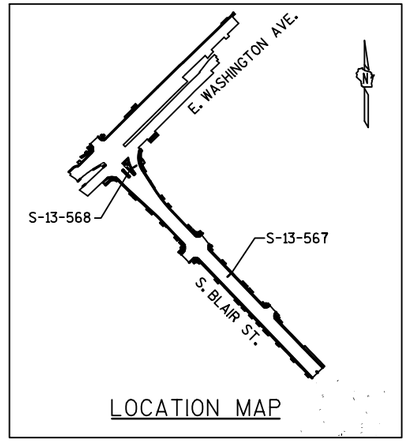
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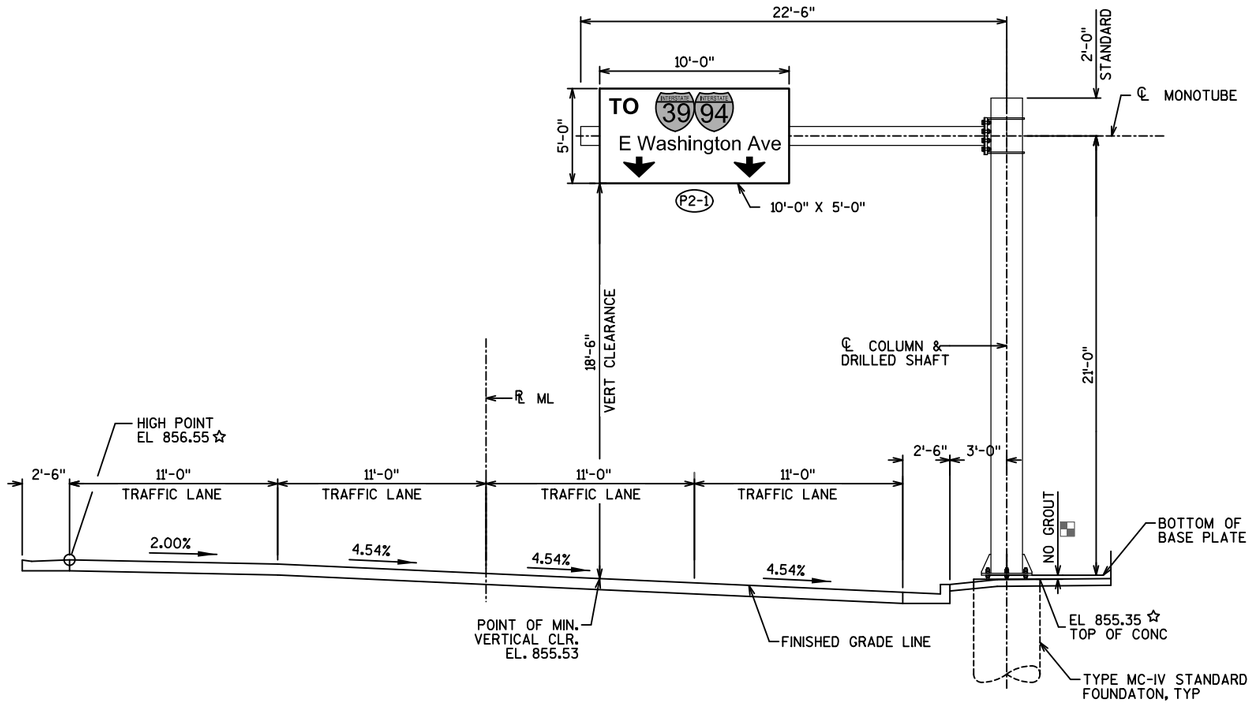
STATE PROJECT NUMBER
5400-00-73



PLAN



LOCATION MAP



ELEVATION

STA 54+85.00
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 54+85.00, 6.0' RT
EL 855.53

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE CHORD

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

■ STANDOFF DIMENSION IS ASSUMED TO BE 2½", BUT IS A MAXIMUM OF 2 X ANCHOR DIMENSION. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-13-567

DRAWN BY	RAJ	PLANS CK'D.	BMO

GENERAL LAYOUT
S-13-567

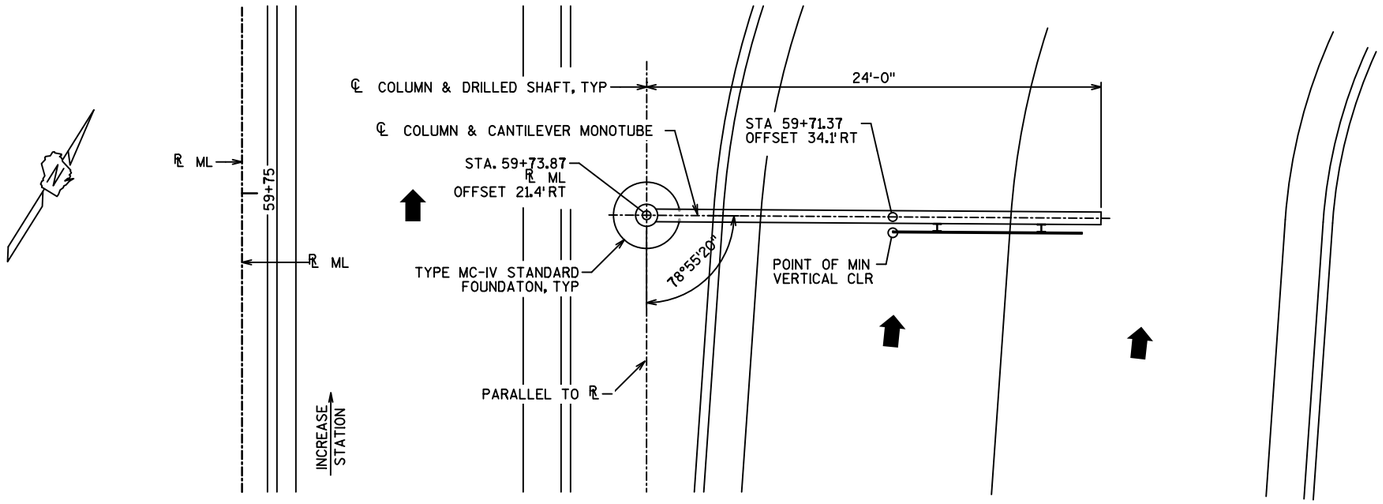
SHEET 2 OF 3
391

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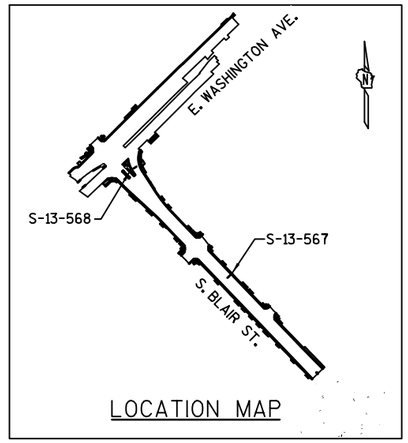
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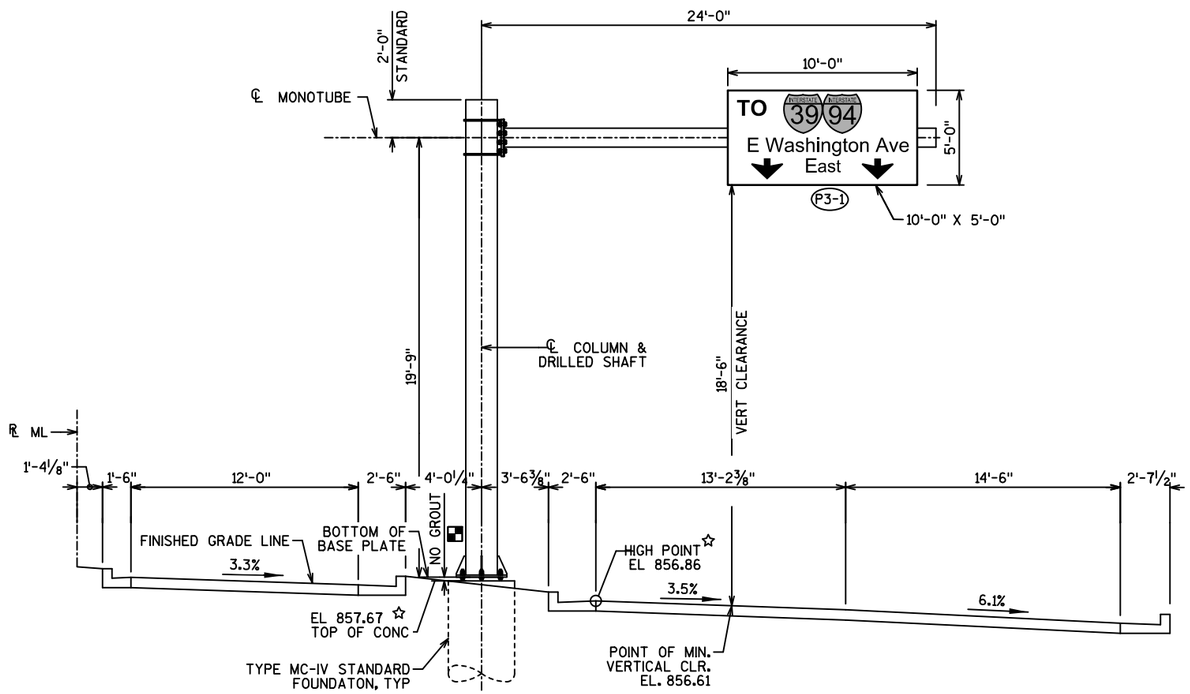
STATE PROJECT NUMBER
5400-00-73



PLAN



LOCATION MAP



ELEVATION

STA 59+73.87
(LOOKING UPSTATION AT FRONT OF SIGN)

NOTE

POINT OF MIN VERTICAL CLEARANCE
STA 59+71.37, 34.1' RT
EL 856.61

LEGEND

☆ ELEVATIONS GIVEN ALONG ℄ MONOTUBE CHORD

(XXX) SIGN NUMBERS (PERMANENT SIGNING PLAN)

■ STANDOFF DIMENSION IS ASSUMED TO BE 2½", BUT IS A MAXIMUM OF 2 X ANCHOR DIMENSION. SEE FOUNDATION DETAILS SHEET AND SHOP DRAWINGS FOR MORE INFORMATION.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE S-13-568

DRAWN BY RAJ | PLANS CK'D. BMO

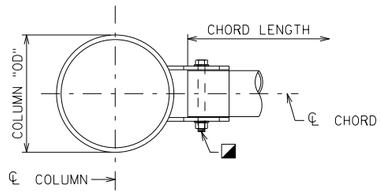
GENERAL LAYOUT
S-13-568

SHEET 3 OF 3
392

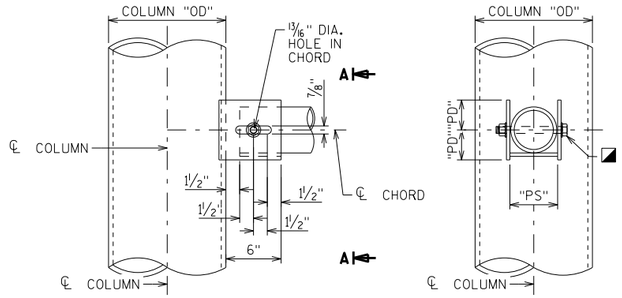
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STATE PROJECT NUMBER

STANDARD



PLAN



ELEVATION SECTION A-A

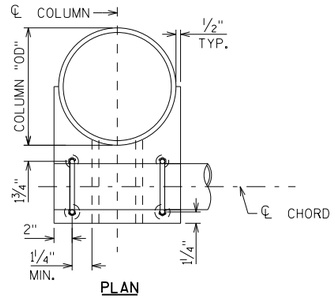
FULL SPAN SADDLE CONNECTION

PREFERRED

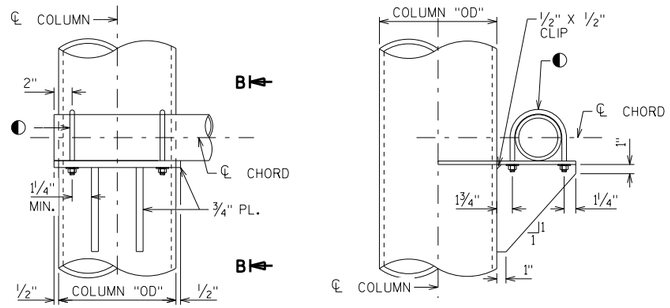
3/4" GALVANIZED A325 OR A449 HEAVY HEX BOLT, NUT, WASHER

"PD" = (CHORD "OD")/2 + 3/4"

"PS" = CHORD "OD" + 3/16"



PLAN

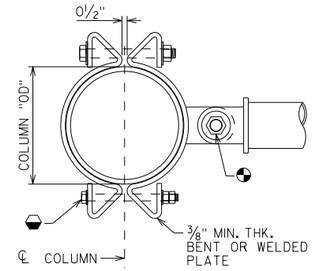


ELEVATION SECTION B-B

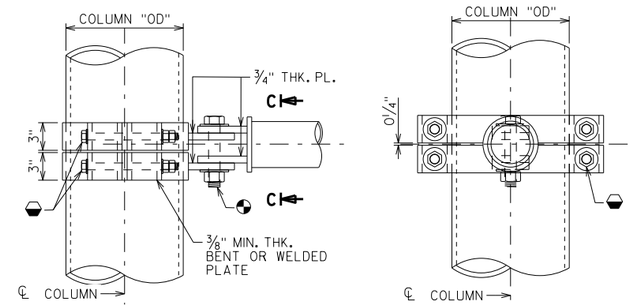
FULL SPAN STIFFENED BEARING CONNECTION

ALTERNATE 1

◐ (2) - 1/2" MIN. GALVANIZED U-BOLT, NUT, WASHER AND LOCK WASHER



PLAN



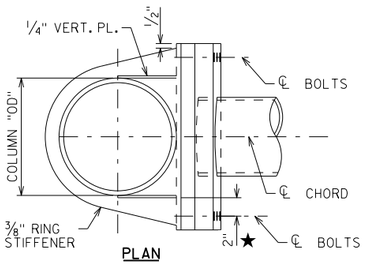
ELEVATION SECTION C-C

FULL SPAN CLAMP CONNECTION

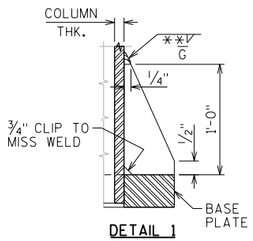
ALTERNATE 2 - TAPERED COLUMNS ONLY

1 1/4" GALVANIZED A325 HEAVY HEX BOLT, NUT AND WASHER

1" GALVANIZED A449 HEAVY HEX BOLT, NUT AND WASHER

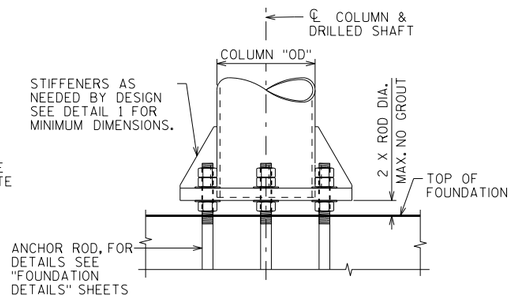


PLAN



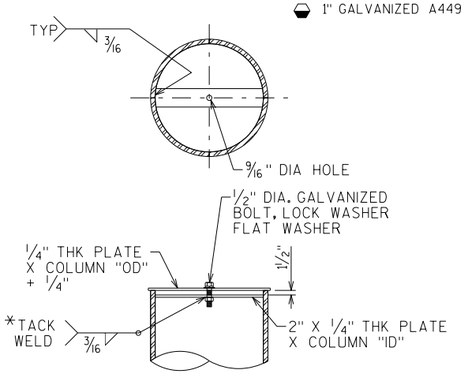
DETAIL 1

** SIZE AS NEEDED



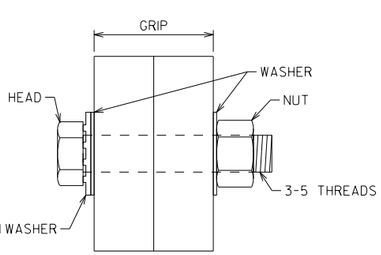
BASE PLATE & COLUMN DETAIL

LOOKING AT FRONT FACE OF STRUCTURE



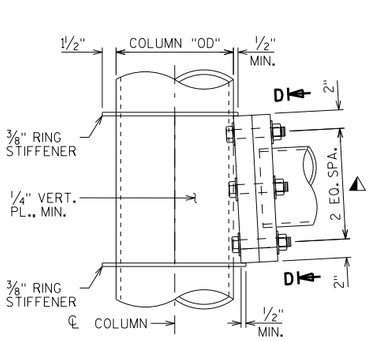
COLUMN/CHORD CAP DETAIL

* PLACE TACK EVERY OTHER FLAT TO SECURE NUT OR USE 1/2" THICK PLATE AND TAP HOLE FOR BOLT THREADS

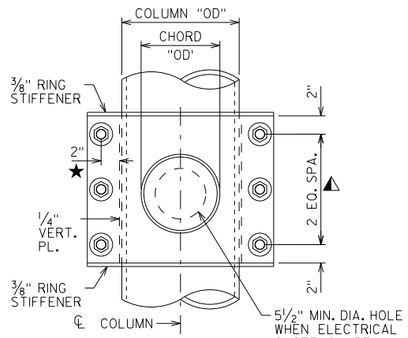


RECOMMENDED BOLT DETAIL WITH DTI

NUT IS THE TURNED ELEMENT



ELEVATION

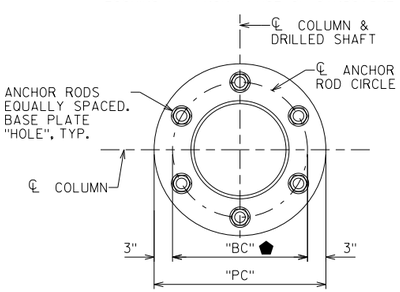


SECTION D-D

CANTILEVER POST TO CHORD CONNECTION

◭ MIN. CONNECTION = (6) - 1" GALVANIZED F3125 GRADE A325 BOLTS, NUT, WASHER AND DTI

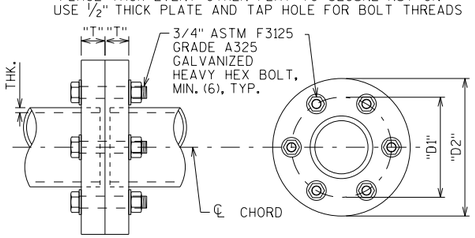
★ MIN. DIMENSION MEASURED FROM EXT. FACE OF VERT. PLATE



BASE PLATE

PLAN

⬟ "BC" = POLE OD + 6"



CHORD SPLICE DETAIL

"D1" = CHORD "OD" + 3"

"D2" = CHORD "OD" + 6"

"T" = BY DESIGN

NOTES:

MINIMUM VALUES SHOWN

ALL CONNETIONS ARE TO BE DESIGNED FOR ACTUAL STRUCTURE LOADS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 1

SHEET 1 OF IV

393

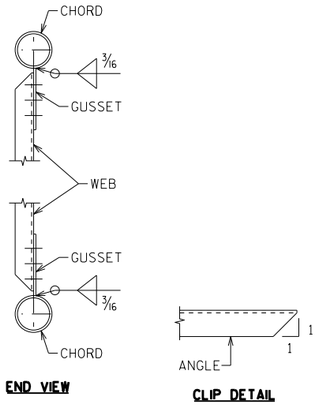
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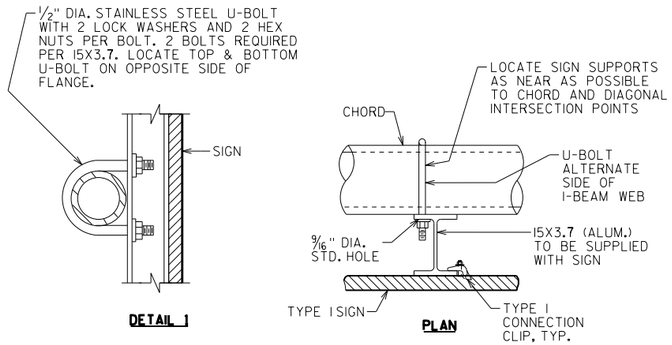
STATE PROJECT NUMBER

STANDARD



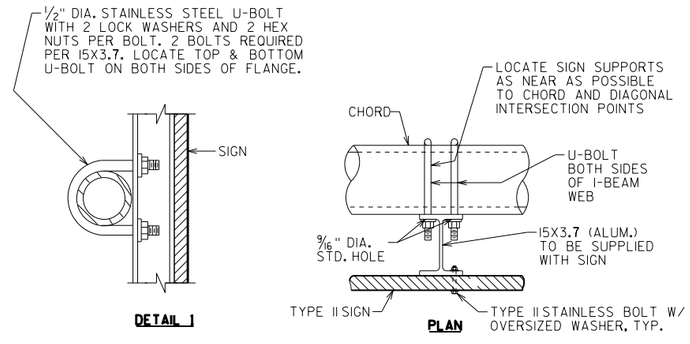
TRUSS CONNECTION DETAILS

BOLTED CONNECTIONS SHOWN, NUMBER OF BOLTS BY DESIGN
WELDED CONNECTIONS SIMILAR



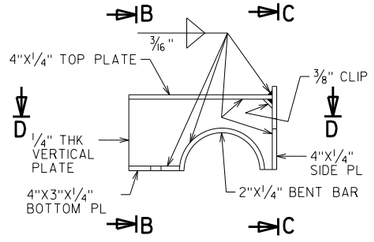
2-CHORD TRUSS SIGN CONNECTION

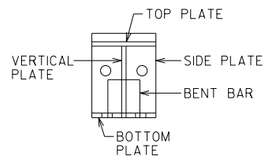
SEE SIGN PLATE MANUAL A4-7A FOR DETAILS

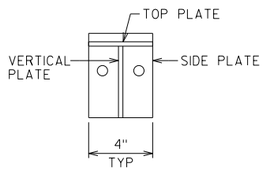


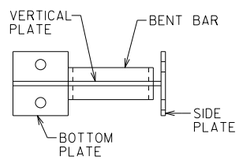
MONOTUBE SIGN CONNECTION

SEE SIGN PLATE MANUAL A4-7B FOR DETAILS



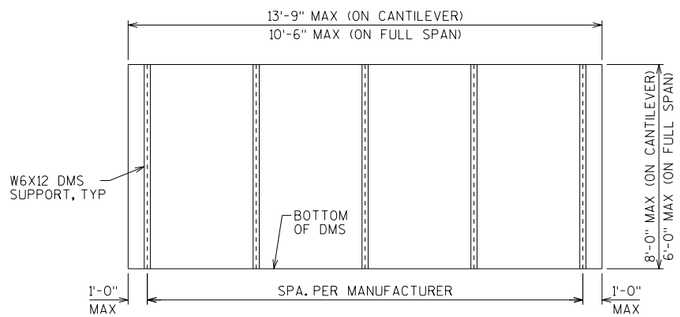






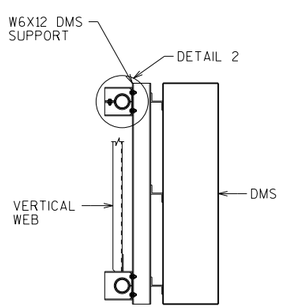
DMS WELDED PLATE CONNECTION DETAILS

TOP PLATE CLAMP SHOWN
BOTTOM PLATE CLAMP SIMILIAR



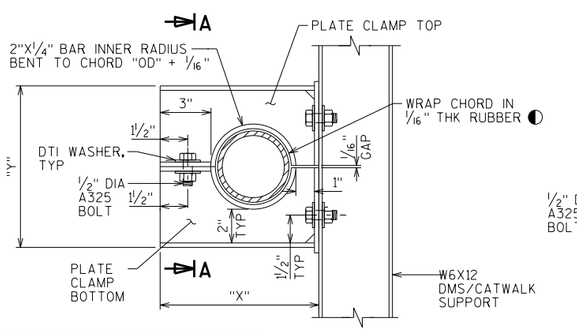
DMS MOUNTING POST SPACING DETAIL

POST SPACING MAY BE ADJUSTED AS REQUIRED IF CONFLICT WITH TRUSS IS ENCOUNTERED.

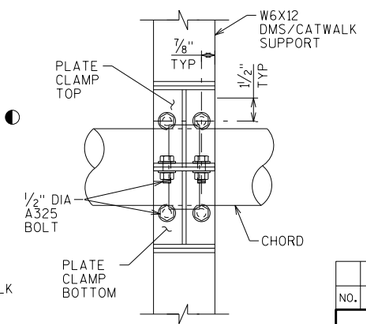


SECTION THRU TRUSS

FOR DMS CONNECTION

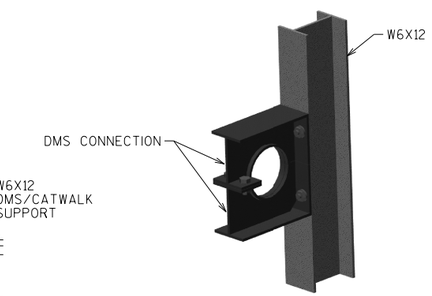


CHORD OUTER DIA	"X"	"Y"
"OD"	"OD"+4 13/16"	"OD"+5 1/16"



TYPICAL DMS CONNECTION

◐ NEOPRENE, GRADE 45±5, OTHERWISE MEETING THE REQUIREMENTS OF STD SPEC 506.2.6.1



3-D VIEW DMS CONNECTION

CHORD NOT SHOWN FOR CLARITY

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY: BOS | PLANS CK'D.: BOS

MONOTUBE & 2-CHORD TRUSS DETAILS 2

SHEET 11 OF IV

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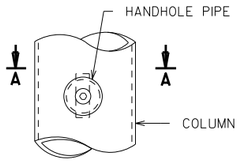
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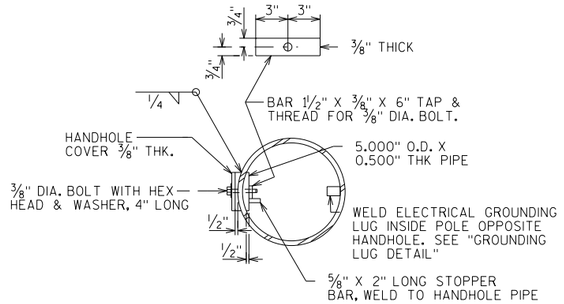
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STATE PROJECT NUMBER

STANDARD



HANDHOLE DETAILS

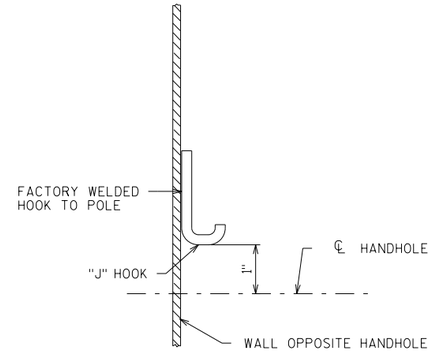


SECTION A-A

HANDHOLE NOTES

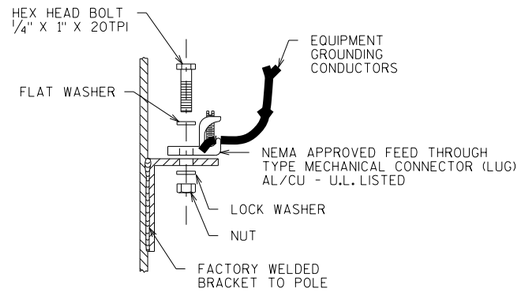
HANDHOLES SHALL BE LOCATED IN ONE COLUMN OF THE SIGN STRUCTURE IF ELECTRICALLY OPERATED DEVICES ARE INSTALLED ON/IN THE STRUCTURE. COLUMNS WITH HANDHOLES SHALL BE NEAR THE ELECTRICAL SERVICE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF THE ELECTRICAL SERVICE ENTRANCE WITH THE REGION TRAFFIC SECTION PRIOR TO FABRICATION OF THE SIGN COLUMNS AND MEMBERS. CONDUIT (AS REQ'D.) SHALL BE LOCATED, PLACED AND SIZED AS SHOWN ON THE ELECTRICAL PLAN DETAIL SHEETS.

UNLESS NOTED OTHERWISE, ALL HANDHOLE ELEMENTS TO BE GALVANIZED PER THE WISDOT STANDARD SPECIFICATIONS.



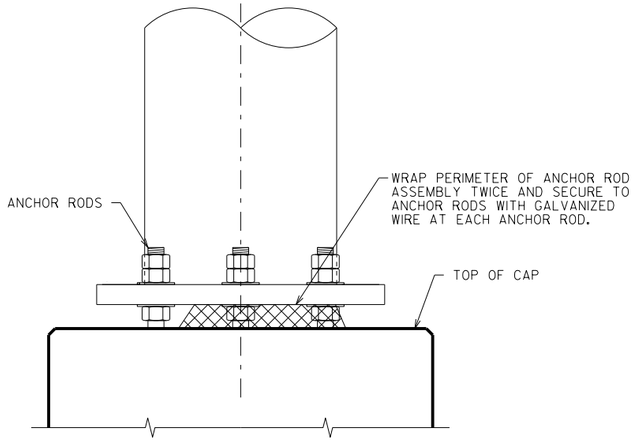
TYPICAL "J" HOOK LOCATION

THE "J" HOOK SHALL BE FACTORY WELDED TO THE INSIDE OF ALL COLUMNS CONTAINING ELECTRICAL WIRING. THE "J" HOOK SHALL BE ATTACHED ABOVE THE CENTERLINE OF THE UPPER HANDHOLE AND MOUNTED DIRECTLY OPPOSITE THE HANDHOLE AS SHOWN IN THE DRAWING.



GROUNDING LUG DETAIL

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



RODENT SCREEN

(ONLY REQ'D. WHEN ELECTRICAL DEVICES ARE INSTALLED)

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS ELECTRICAL DETAILS

SHEET III OF IV

395

SCALE = 1.00

8

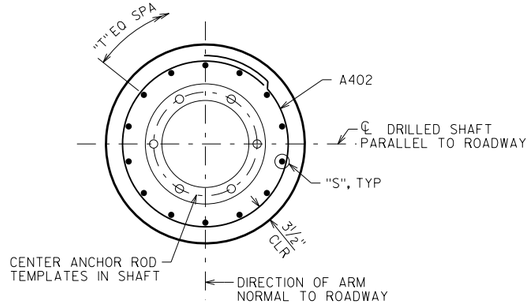
8

STATE PROJECT NUMBER

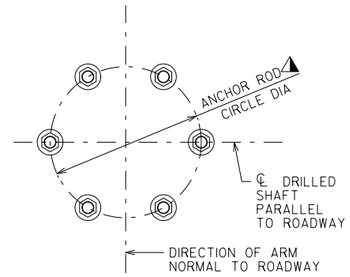
STANDARD

FOUNDATION & REINFORCING DATA

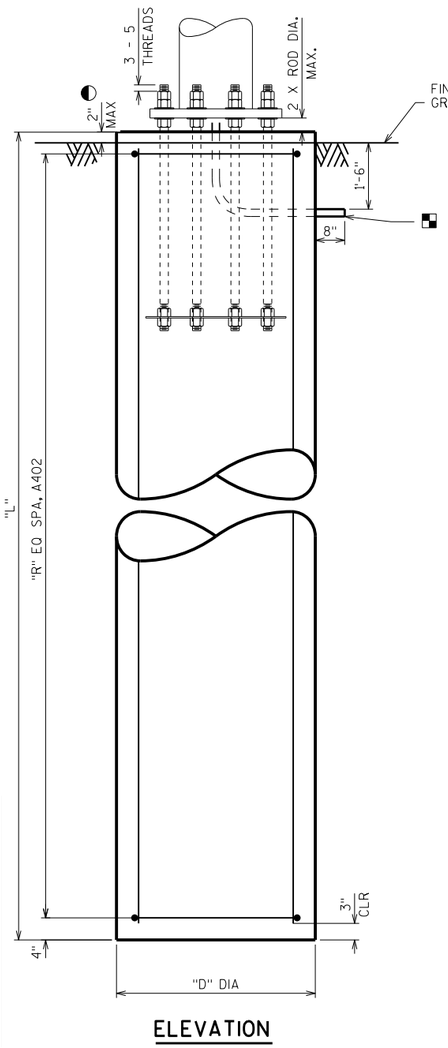
STANDARD FOUNDATION TYPE	SHAFT VARIABLES					
	"D"	"L"	"R"	"S"	"T"	"BC" MAX
MFI	2'-0"	12'-0"	12	A801	6	12"
MFII	2'-6"	13'-0"	13	A801	10	17"
MCI/MCII/TFI	2'-6"	17'-0"	17	A801	10	17"
TCI	3'-0"	18'-0"	18	A801	14	22"
TFII	3'-0"	20'-0"	20	A801	14	22"
MCIII/TCII/TFIII	3'-6"	18'-0"	18	A901	14	28"
MCIV/TFIV	3'-6"	23'-0"	23	A901	14	28"
TCIII	4'-0"	23'-0"	23	A1001	14	34"
TCIV	4'-0"	28'-0"	28	A1001	14	34"



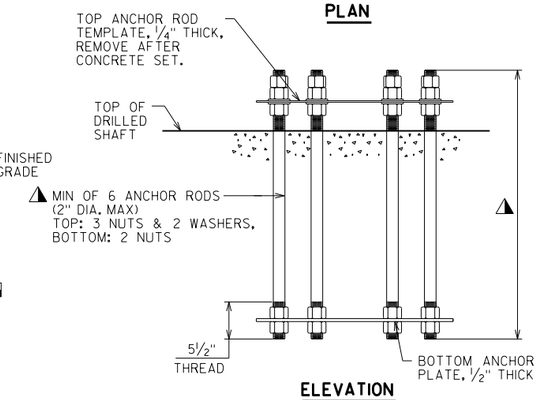
PLAN



PLAN



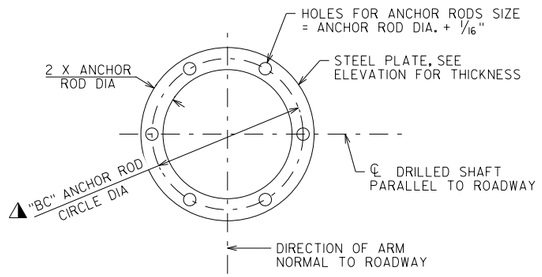
ELEVATION



ELEVATION

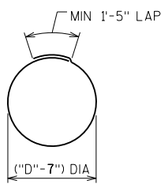
ANCHOR ROD ASSEMBLY DETAILS

△ ANCHOR ROD NUMBER, DIAMETER, LENGTH & ORIENTATION AS SHOWN ON FABRICATION DRAWING.



ANCHOR PLATE/TOP TEMPLATE

PLAN



A402

NOTE:
THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE

BILL OF BARS - STANDARD FOUNDATIONS

STANDARD FOUNDATION MFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		6	11'-7"			DRILLED SHAFT - VERTICAL
A402		13	5'-10"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	12'-7"			DRILLED SHAFT - VERTICAL
A402		14	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCI/MCII/TFI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		10	16'-7"			DRILLED SHAFT - VERTICAL
A402		18	7'-5"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCI

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TFII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A801		14	19'-7"			DRILLED SHAFT - VERTICAL
A402		21	9'-0"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIII/TCII/TFIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	17'-7"			DRILLED SHAFT - VERTICAL
A402		19	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION MCIV/TFIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A901		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	10'-6"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIII

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	22'-7"			DRILLED SHAFT - VERTICAL
A402		24	12'-2"	X		DRILLED SHAFT - HORIZONTAL

STANDARD FOUNDATION TCIV

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
A1001		14	27'-7"			DRILLED SHAFT - VERTICAL
A402		29	12'-2"	X		DRILLED SHAFT - HORIZONTAL

ESTIMATED QUANTITIES - FOUNDATIONS

STANDARD FOUNDATION TYPE	CONCRETE MASONRY (CY)	STEEL REINFORCEMENT HS (LBS)	FOUNDATION DRILLING (LF)				
			24" DIA.	30" DIA.	36" DIA.	42" DIA.	48" DIA.
MFI	2	240	12				
MFII	3	410		13			
MCI/MCII/TFI	4	540		17			
TCI	5	780			18		
TFII	6	860			20		
MCIII/TCII/TFIII	7	970				18	
MCIV/TFIV	9	1,250				23	
TCIII	11	1,560					23
TCIV	13	1,900					28

✳✳ QUANTITIES ARE FOR INFORMATION ONLY AND ARE BASED ON STANDARD STRUCTURE DIMENSIONS

NOTES

CENTER ANCHOR ROD ASSEMBLY ON DRILLED SHAFT AND MAKE SURE IT IS PLUMB. MAINTAIN ANCHOR ROD PROJECTION ABOVE FOOTING AS DETAILED. ANCHOR ROD ASSEMBLY SHALL BE RIGIDLY SECURED IN POSITION DURING AND AFTER CONCRETE PLACEMENT. DO NOT WELD THE ANCHOR RODS.

◐ FOR OVERHEAD SIGN STRUCTURES THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE SHAFT SHALL BE POURED FLUSH WITH THE FINISHED GRADE.

◪ 2" DIA NONMETALLIC CONDUITS, INSTALL ONLY WITH DMS. EXTEND CONDUITS AS SHOWN AND CAP OR SEAL EACH END WITH A SUITABLE REMOVABLE PLUG. PLACE CONDUITS UNDER COLUMN ADJACENT TO THE DMS. CONDUITS INCIDENTAL TO THE FOUNDATION BID ITEMS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

UPDATED: DEC. 2020

DRAWN BY BOS | PLANS CK'D. BOS

MONOTUBE & 2-CHORD TRUSS FOUNDATIONS

SHEET IV OF IV

396

8

8

SCALE = 1.67

BLAIR STREET

CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	50+40 BA, AH		156			0					
		10		58	58		0	1.3	0	0	58
	50+50		158			0					
		50		293	351		0	1.3	0	0	351
	51+00		158			0					
		50		286	637		0	1.3	0	0	637
	51+50		151			0					
		50		283	920		0	1.3	0	0	920
	52+00		154			0					
		50		292	1,212		0	1.3	0	0	1,212
	52+50		161			0					
		50		336	1,548		0	1.3	0	0	1,548
	53+00		202			0					
		50		326	1,874		0	1.3	0	0	1,874
	53+50		151			0					
		13		72	1,946		0	1.3	0	0	1,946
	53+63		152			0					
		37		209	2,155		0	1.3	0	0	2,155
	54+00		152			0					
		31		176	2,331		0	1.3	0	0	2,331
	54+31		151			0					
		19		103	2,434		0	1.3	0	0	2,434
	54+50		148			0					
		27		152	2,587		0	1.3	0	0	2,587
	54+77		151			0					
		23		127	2,714		0	1.3	0	0	2,714
	55+00		153			0					
		50		283	2,997		0	1.3	0	0	2,997
	55+50		153			0					
		50		270	3,267		1	1.3	1	1	3,265
	56+00		139			1					
		50		293	3,559		3	1.3	4	6	3,554
	56+50		177			3					
		50		309	3,869		3	1.3	4	9	3,860
	57+00		157			0					
		50		292	4,160		0	1.3	0	10	4,151
	57+50		158			0					
		10		57	4,217		0	1.3	0	10	4,208
	57+60		159			0					
		40		236	4,453		0	1.3	0	10	4,443
	58+00		157			0					
		28		169	4,621		0	1.3	0	10	4,611
	58+28		171			0					
		22		147	4,768		0	1.3	0	10	4,758
	58+50		184			0					
		35		259	5,027		0	1.3	0	11	5,016
	58+85		212			0					
		15		118	5,145		0	1.3	0	11	5,134
	59+00		223			0					
		50		457	5,601		0	1.3	0	11	5,590
	59+50		270			0					
		58		729	6,330		0	1.3	0	11	6,319
	60+08		407			0					
	TOTAL				6,330		8			11	6,319

USH 151 (EAST WASHINGTON AVENUE)

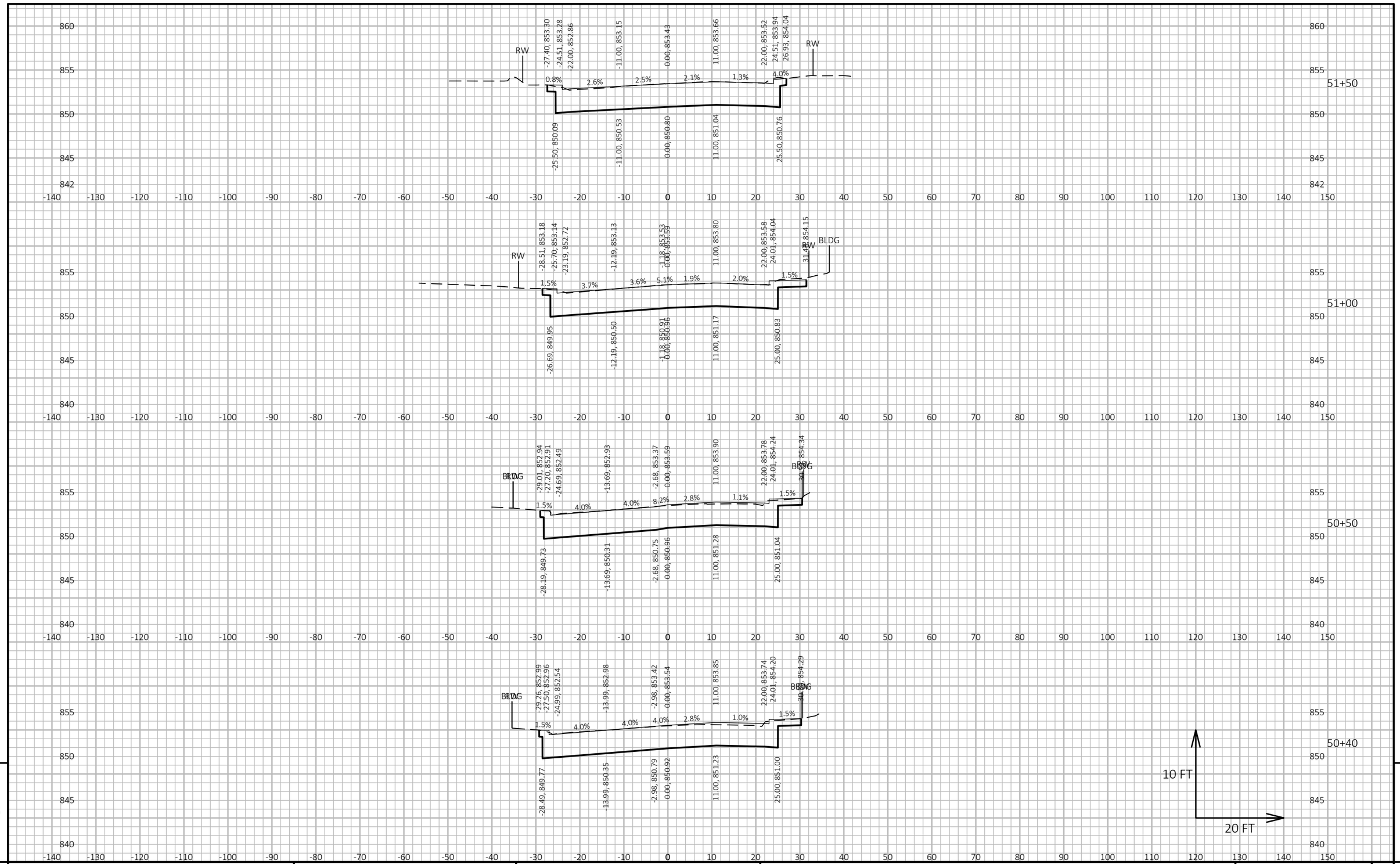
CATEGORY	REFERENCE LINE STATION	DISTANCE (FT)	EXCAVATION END AREA CUT (SF)	EXCAVATION VOLUME CUT (CY)	EXCAVATION CUMM VOLUME CUT (CY)	EMBANKMENT END AREA FILL (SF)	EMBANKMENT VOLUME FILL (CY)	EMBANKMENT FILL FACTOR	EMBANKMENT EXPANDED VOLUME FILL (CY)	EMBANKMENT CUMM VOLUME FILL (CY)	EXCESS/ (SHORTAGE) CUMM VOLUME (CY)
0010	226+50 BA, AH		239			0					
		50		421	421		5	1.3	7	7	414
	227+00		215			6					
		50		471	892		5	1.3	7	14	878
	227+50		293			0					
		50		590	1,481		0	1.3	0	14	1,467
	228+00		344			0					
		50		477	1,958		0	1.3	0	14	1,944
	228+50		171			0					
		50		405	2,363		0	1.3	0	14	2,349
	229+00		266			0					
		33		328	2,691		0	1.3	0	14	2,677
	229+33		272			0					
		17		171	2,861		0	1.3	0	14	2,847
	229+50		266			0					
		50		493	3,354		0	1.3	0	15	3,339
	230+00		266			0					
		50		496	3,850		0	1.3	0	15	3,835
	230+50		269			0					
		50		496	4,346		0	1.3	0	15	4,331
	231+00		266			0					
		50		496	4,842		0	1.3	0	15	4,827
	231+50		269			0					
		50		439	5,281		0	1.3	0	15	5,266
	232+00		205			0					
		50		371	5,652		0	1.3	0	15	5,637
	232+50		196			0					
		50		281	5,932		0	1.3	0	15	5,917
	233+00		107			0					
		50		222	6,154		0	1.3	0	15	6,139
	233+50		133			0					
		35		155	6,310		0	1.3	0	15	6,294
	233+85		107			0					
		15		58	6,368		0	1.3	0	15	6,353
	234+00		103			0					
		12		47	6,415		0	1.3	0	15	6,400
	234+12		104			0					
	TOTAL				6,415		12			15	6,400

9

9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	EARTHWORK	SHEET:	E

FILE NAME : PLOT DATE: 5/20/2021 10:00:45 AM PLOT BY : PLOT NAME : ORG DATE : ORIGINATOR : PLOT SCALE : N/A



9

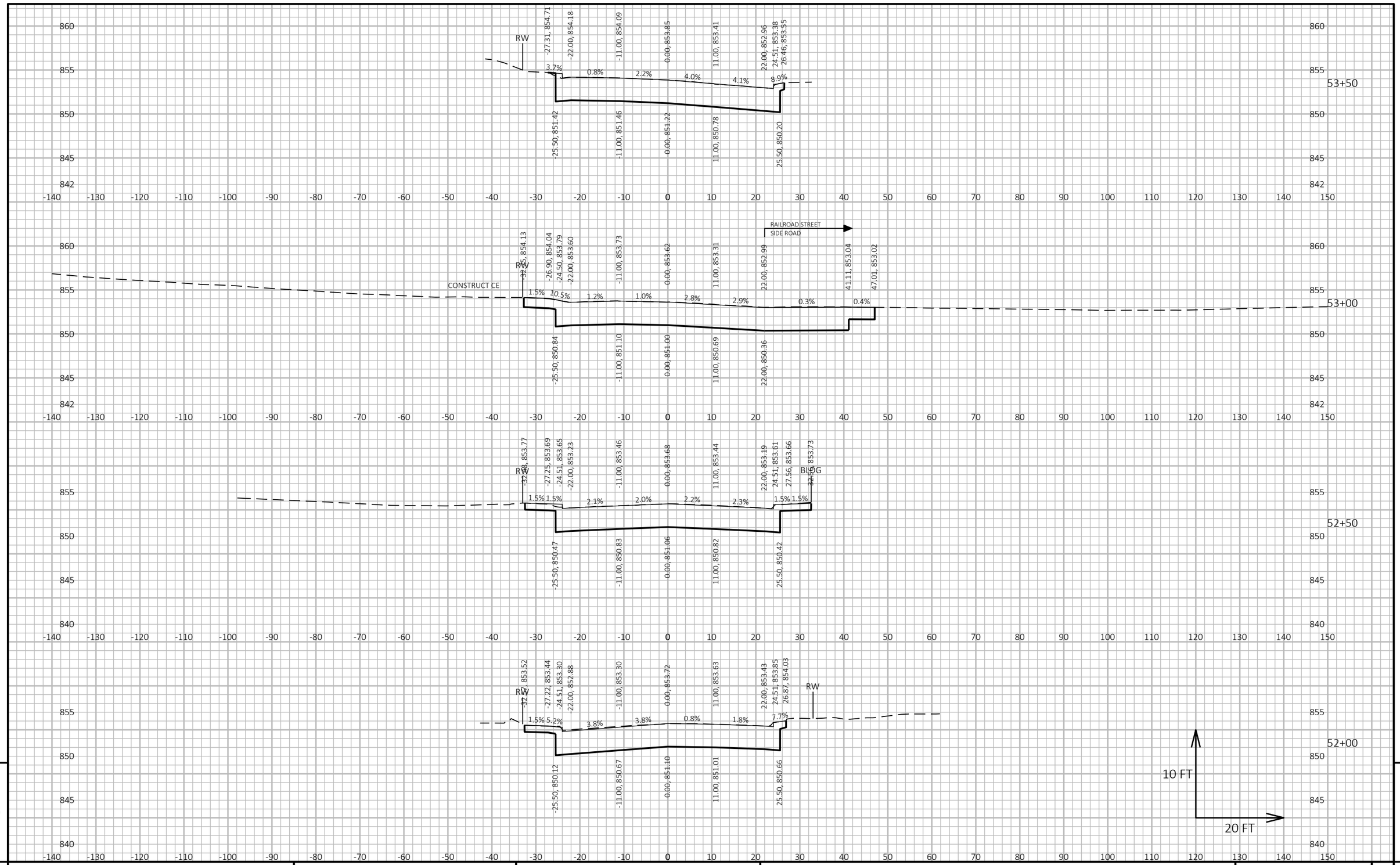
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PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 399	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090201-xs

PLOT DATE : 5/11/2021 4:57 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

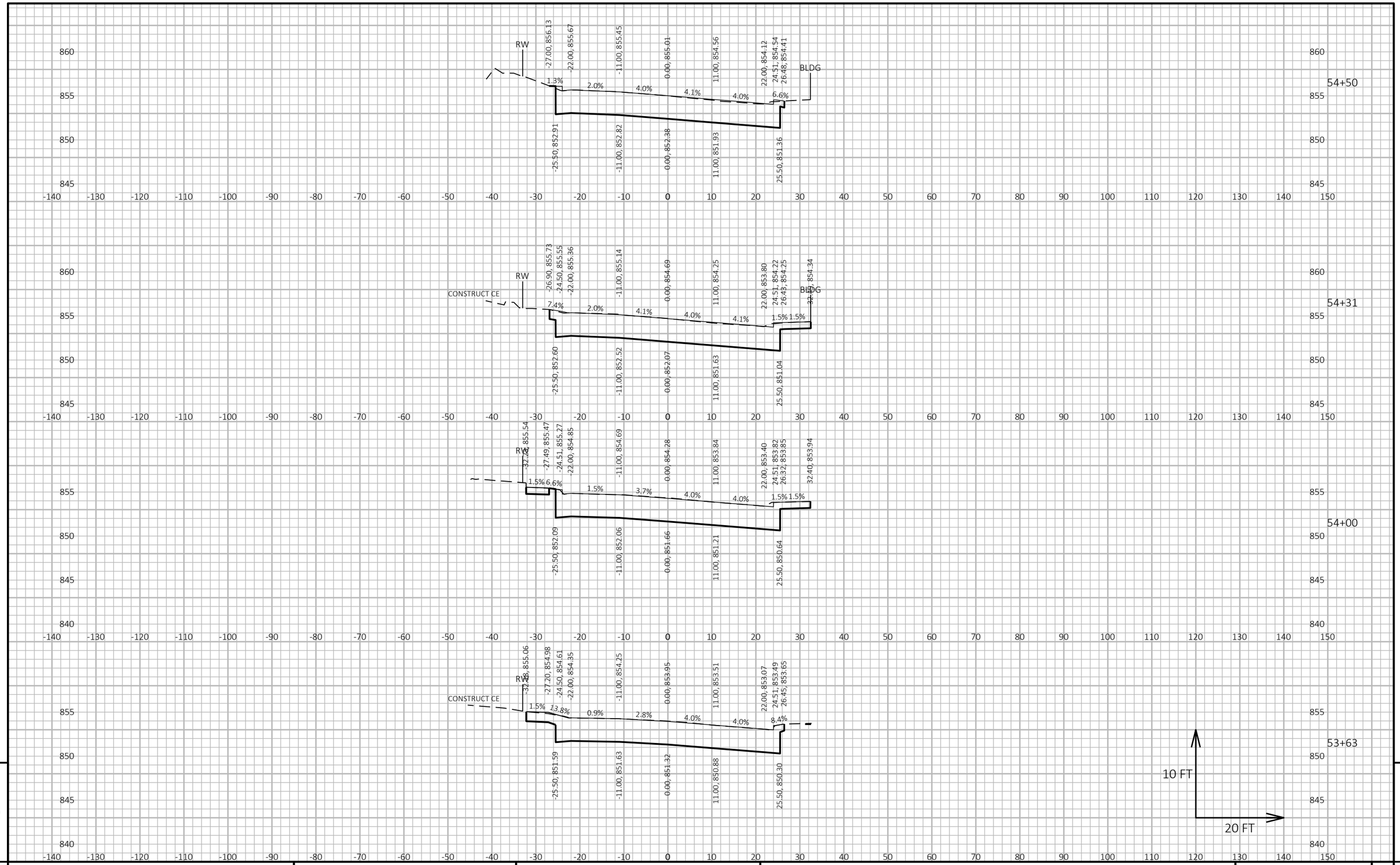
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PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 400	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090202-xs

PLOT DATE : 5/11/2021 4:57 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

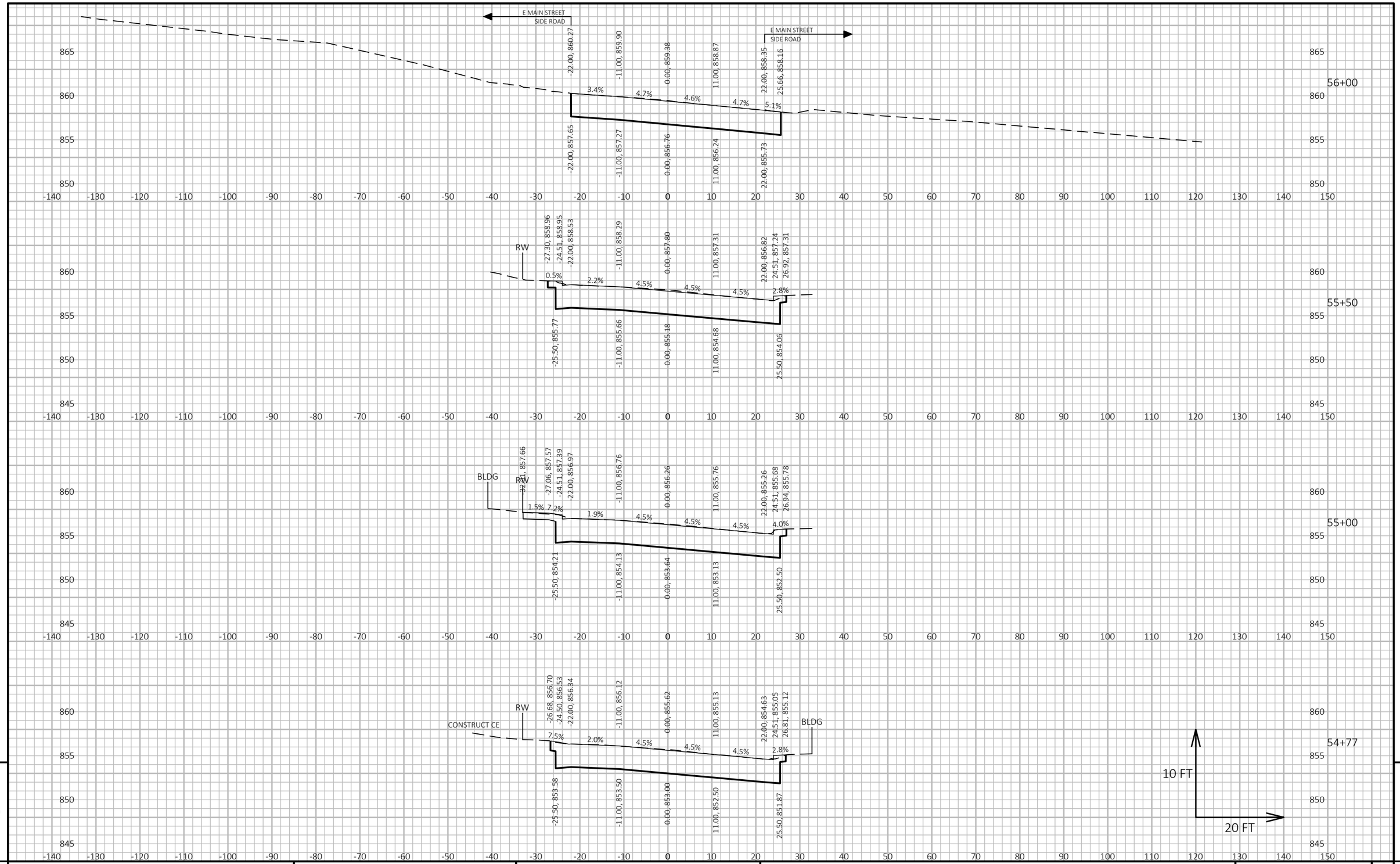
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PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 401	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090203-xs

PLOT DATE : 5/11/2021 4:57 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

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PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 402	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090204-xs

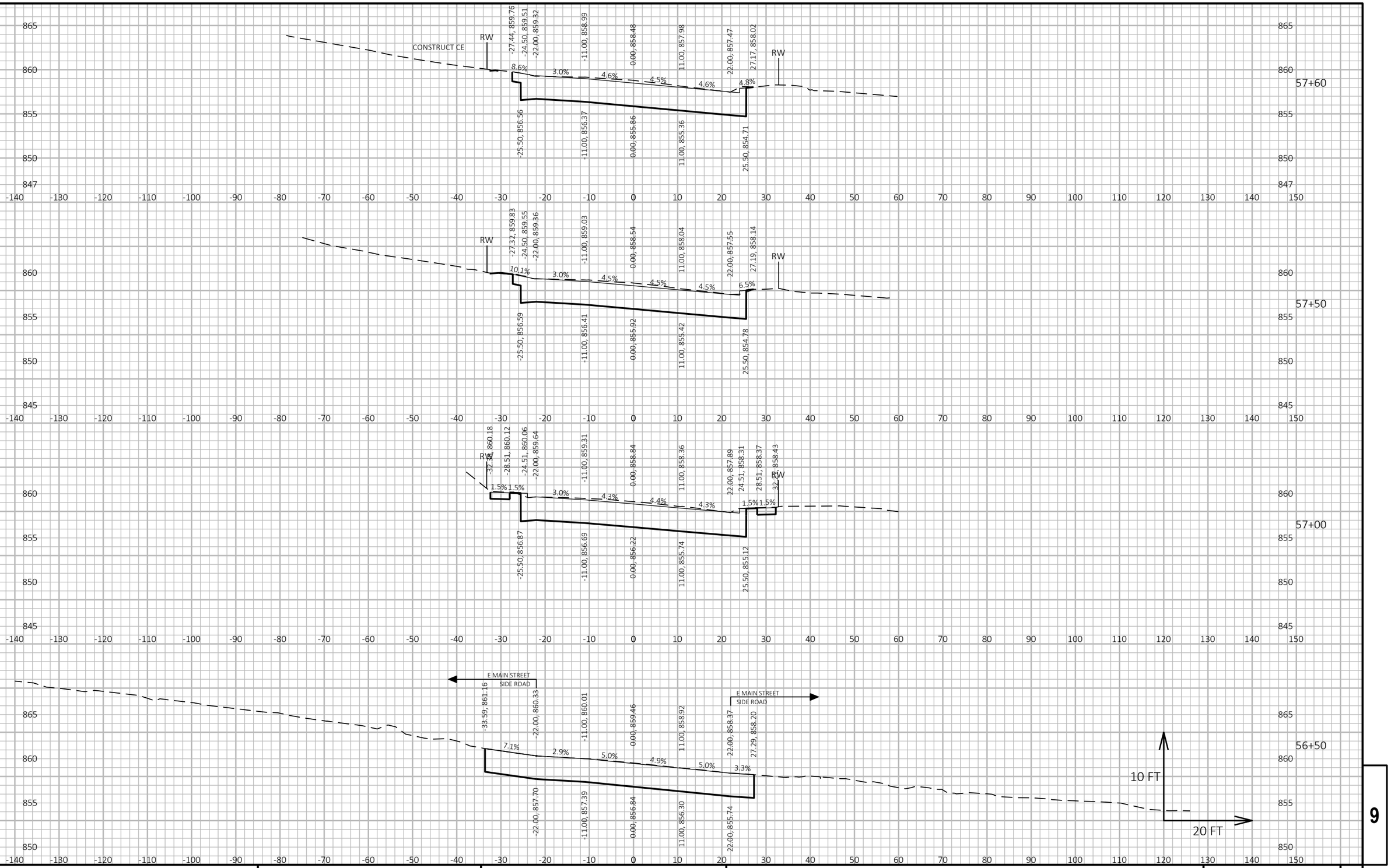
PLOT DATE : 5/11/2021 4:57 PM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

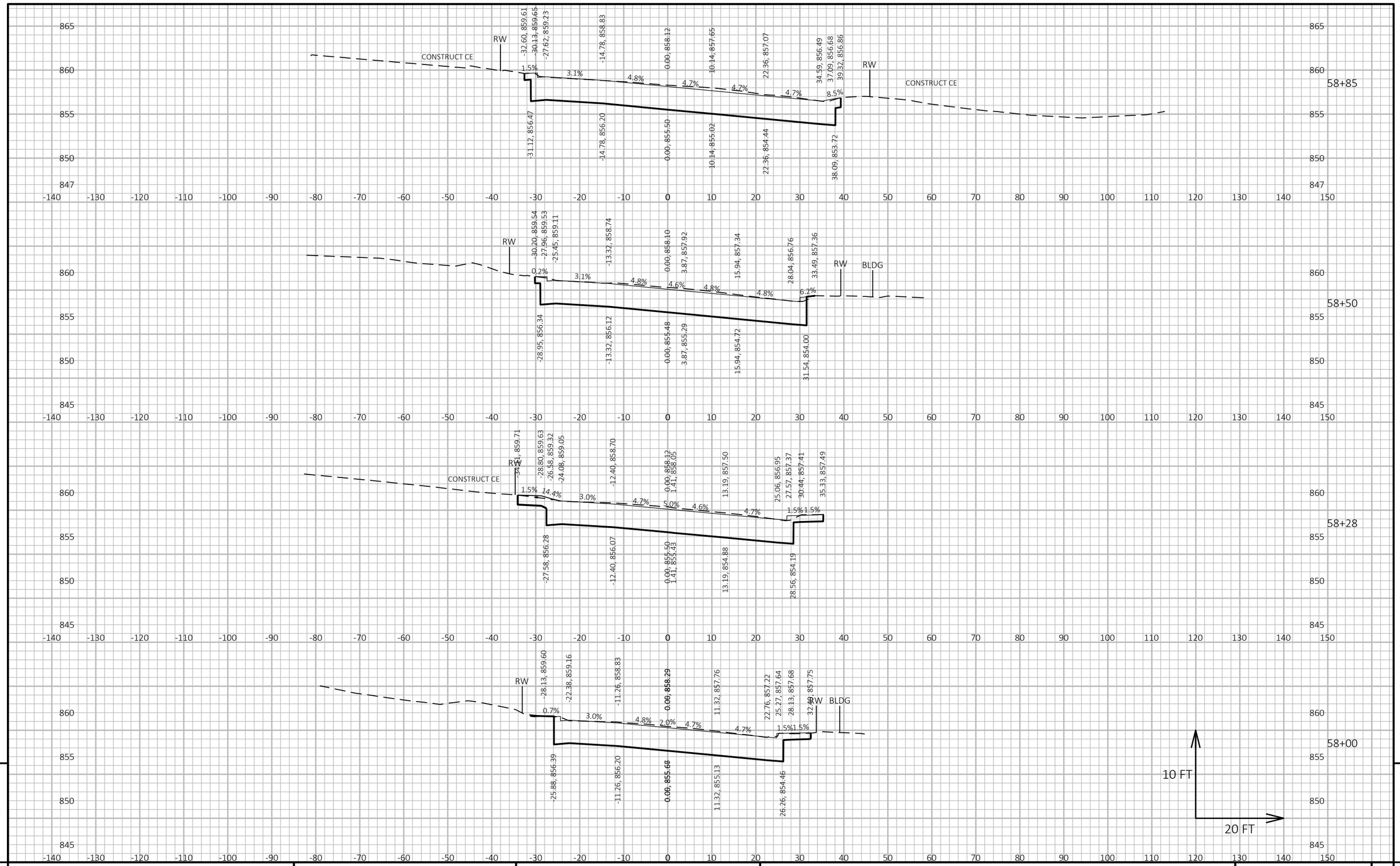
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PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 403	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090205-xs

PLOT DATE : 5/11/2021 4:57 PM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

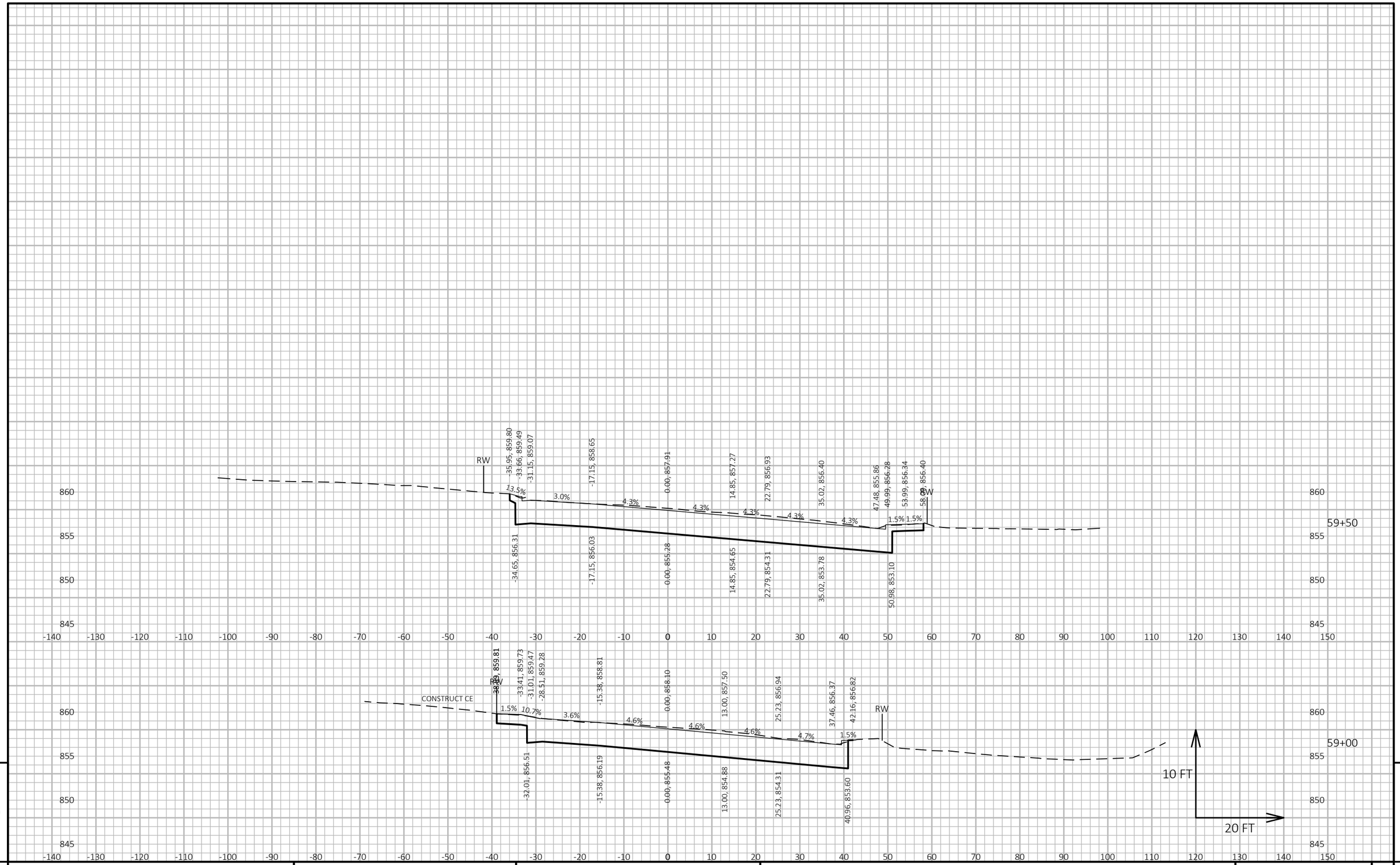
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PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 404	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090206-xs

PLOT DATE : 5/27/2021 11:34 AM PLOT BY : NOTSON, ERIC PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: SOUTH BLAIR STREET	SHEET 405	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090207-xs

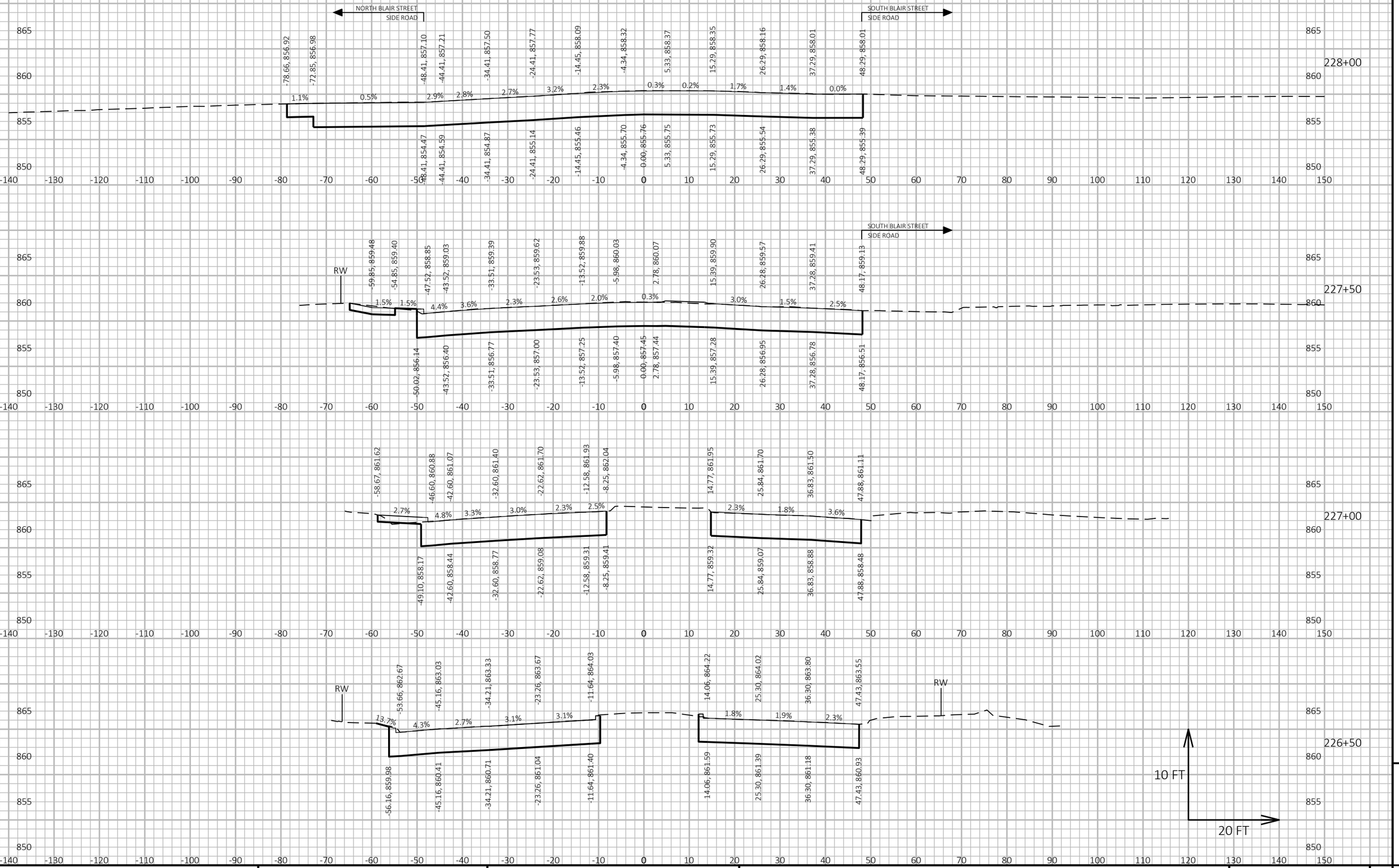
PLOT DATE : 5/11/2021 4:57 PM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

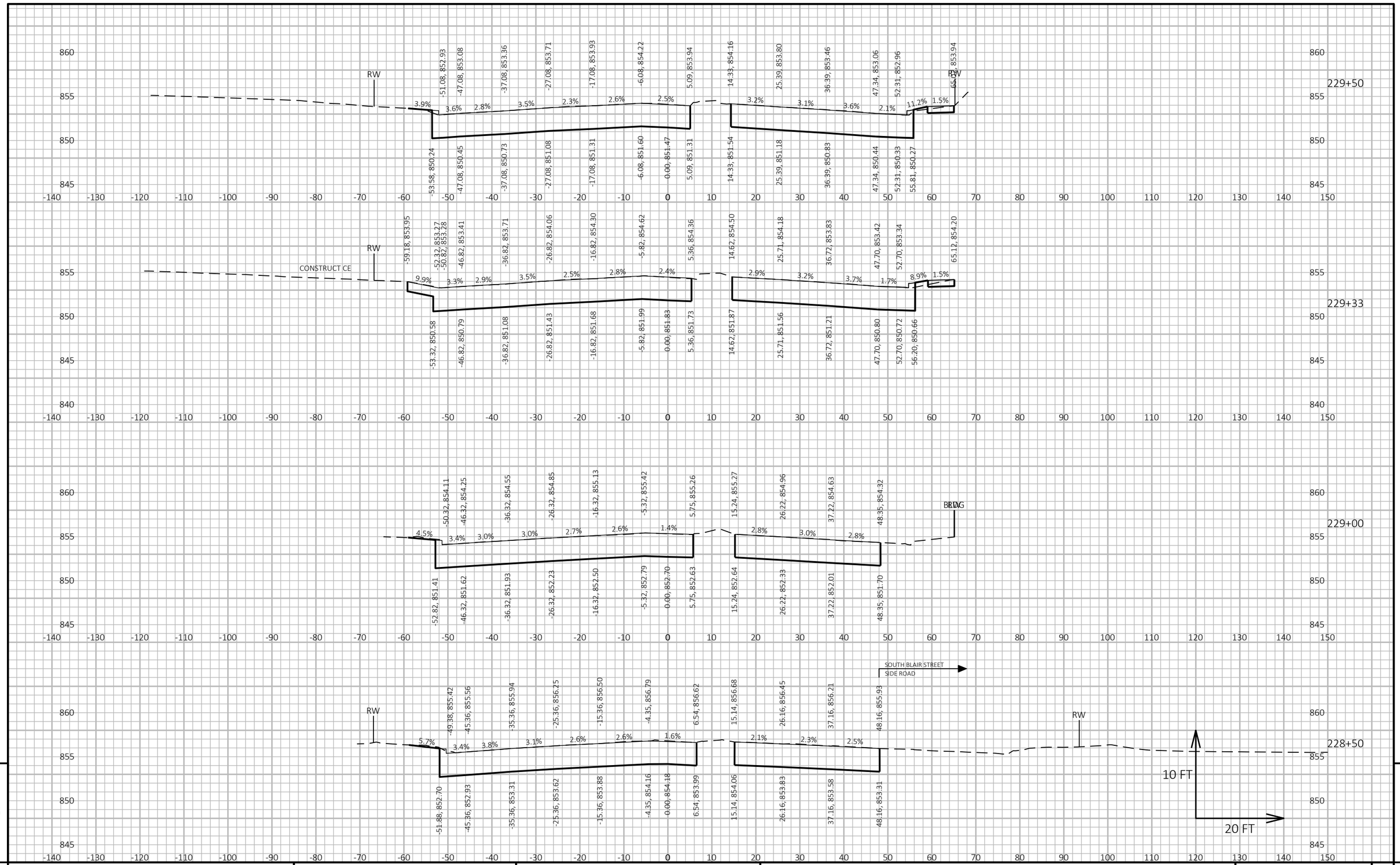


9

9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: EAST WASHINGTON AVENUE	SHEET 406	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090211-xs
PLOT DATE : 5/11/2021 4:57 PM
PLOT BY : NOTSON, ERIC
PLOT NAME :
PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: EAST WASHINGTON AVENUE	SHEET 407	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090212-xs

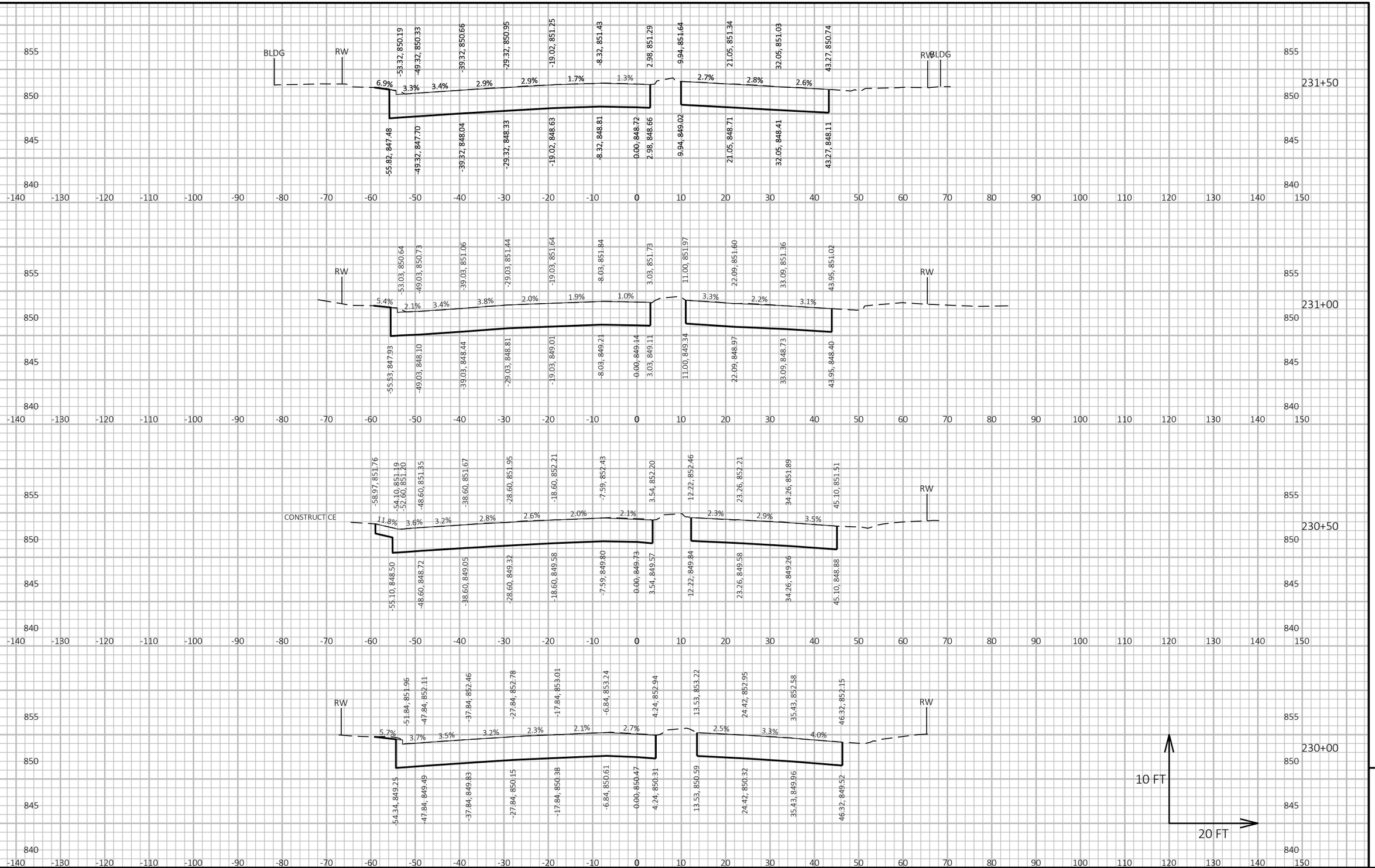
PLOT DATE : 5/11/2021 4:57 PM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: EAST WASHINGTON AVENUE	SHEET 408	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
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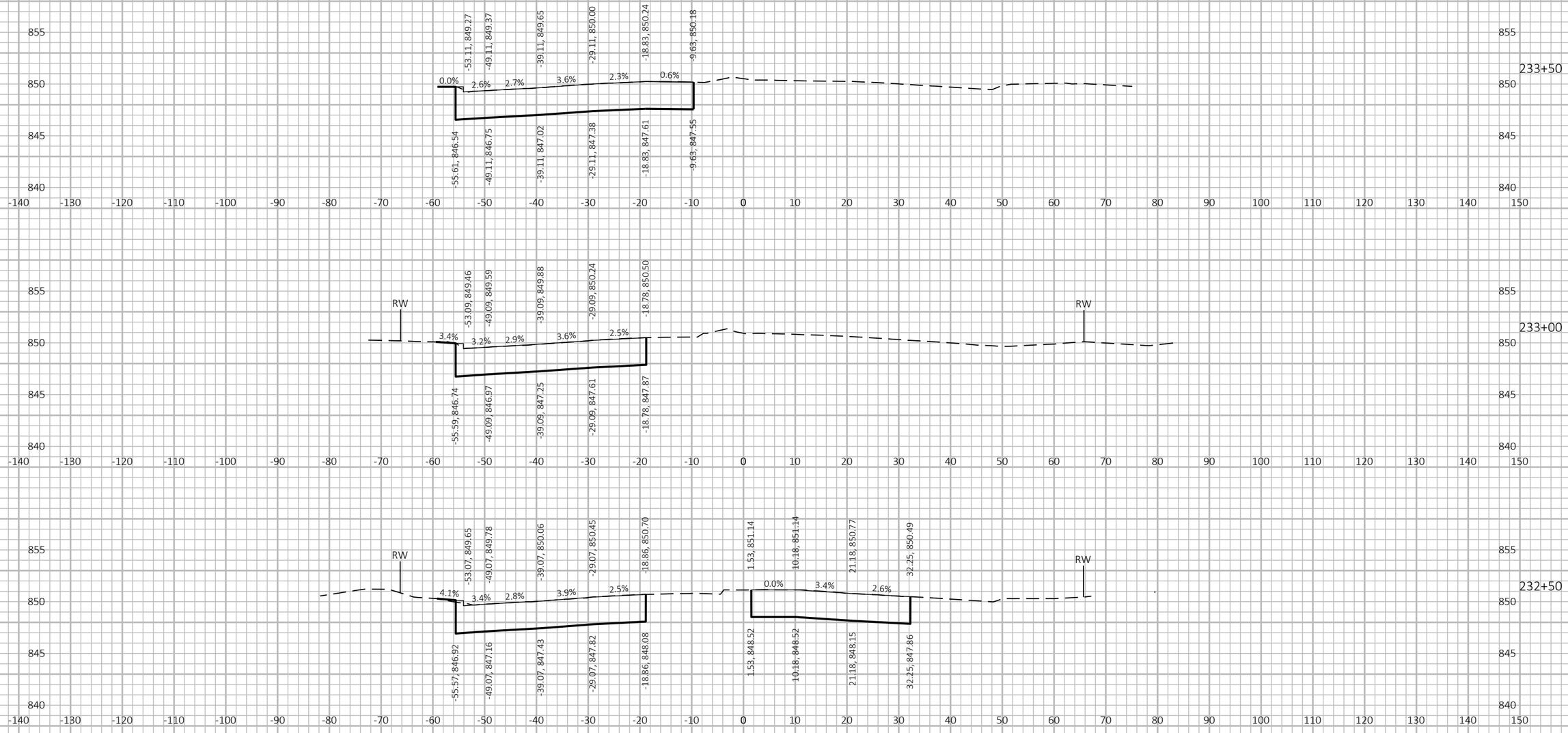
PLOT DATE : 5/11/2021 4:57 PM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: EAST WASHINGTON AVENUE	SHEET 409	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
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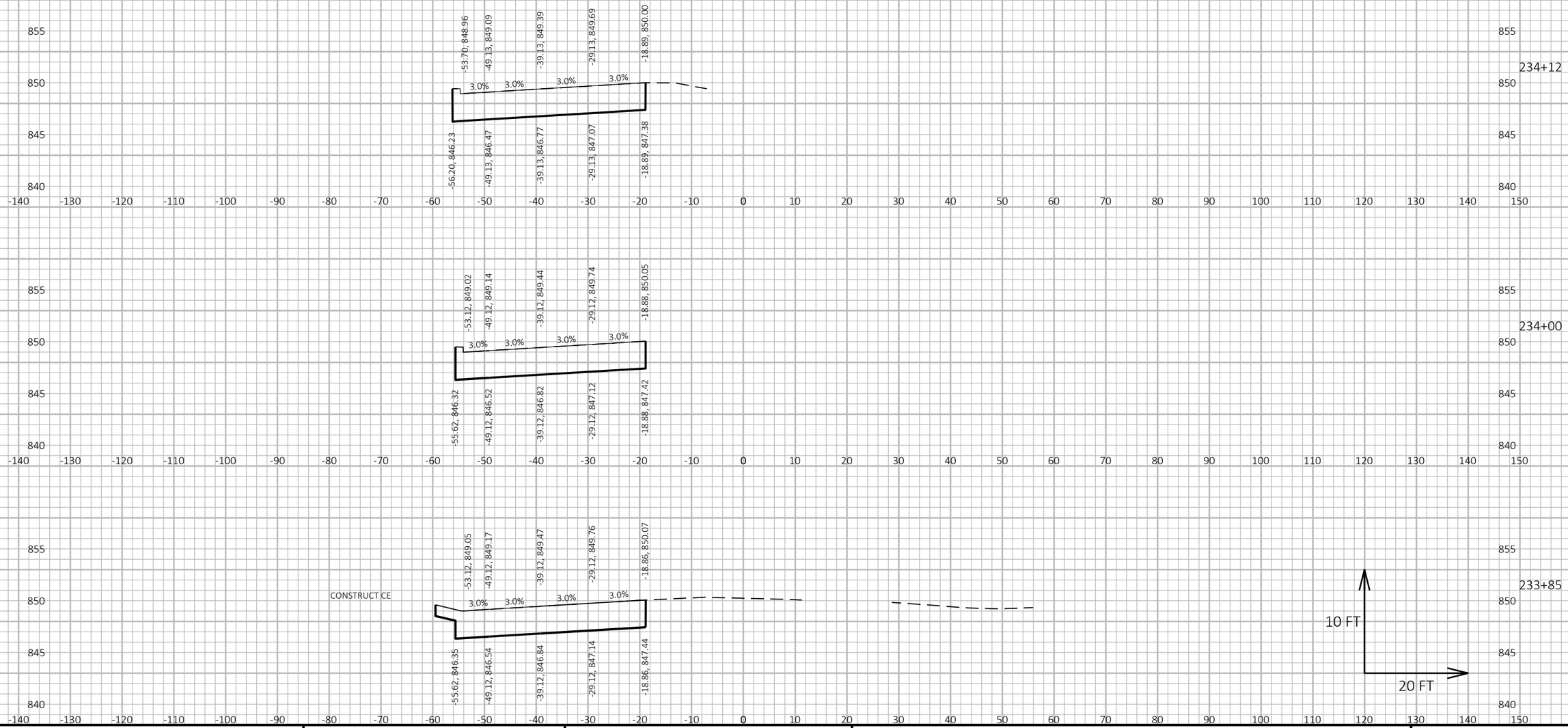
PLOT DATE : 5/11/2021 4:57 PM

PLOT BY : NOTSON, ERIC

PLOT NAME :

PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9 9

PROJECT NO: 5400-00-73	HWY: USH 151	COUNTY: DANE	CROSS SECTIONS: EAST WASHINGTON AVENUE	SHEET 410	E

FILE NAME : S:\MAD\1000--1099\1089\930\DRAWINGS\CAD\CIVIL3D\54000003\SHEETSPLAN\090201-XS.DWG
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WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov

MAD

NOVEMBER 2021

ORDER OF SHEETS

Section No. 1 Title
Section No. 2 Typical Sections and Details
Section No. 3 Estimate of Quantities
Section No. 3 Miscellaneous Quantities
~~Section No. 4 Right-of-Way Plat~~
~~Section No. 5 Plan and Profile~~
~~Section No. 6 Standard Detail Drawings~~
~~Section No. 7 Sign Plates~~
~~Section No. 8 Structure Plans~~
~~Section No. 9 Computer Earthwork Data~~
~~Section No. 9 Cross Sections~~

TOTAL SHEETS = 20

PROJECT ID: 5400-00-74
WITH: 5400-00-72/73

COUNTY: DANE

07

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C MADISON, BLAIR ST/E WASHINGTON AV

E WILSON ST TO BLOUNT ST

USH 151

DANE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5400-00-74		

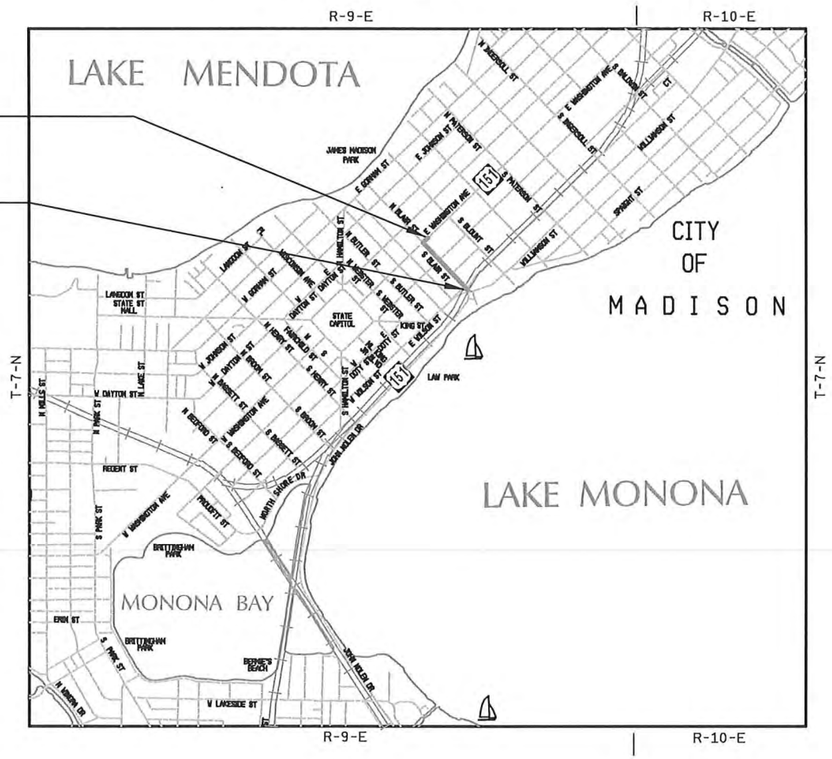
STATE PROJECT NUMBER
5400-00-74





END PROJECT
STA. 230+23.89

BEGIN PROJECT
STA. 48+83.12
Y = 483,380.08
X = 823,431.61


R-9-E
R-10-E
T-7-N
LAKE MENDOTA
CITY OF MADISON
LAKE MONONA
MONONA BAY
JAMES MADISON PARK
STATE CAPITOL
LAW PARK
BRITTINGHAM PARK
BERNIES BEACH
E WASHINGTON AVE
W WASHINGTON AVE
E WILSON ST
W WILSON ST
E JOHNSON ST
W JOHNSON ST
E DAYTON ST
W DAYTON ST
E MIFFLIN ST
W MIFFLIN ST
E BLAIR ST
W BLAIR ST
E BUTLER ST
W BUTLER ST
E BROOM ST
W BROOM ST
E MAIN ST
W MAIN ST
E GORHAM ST
W GORHAM ST
E MIFFLIN ST
W MIFFLIN ST

GENERAL NOTES

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

REFER TO PROJECT ID 5400-00-72 AND 5400-00-73 FOR CONSTRUCTION STAGING AND TEMPORARY EROSION CONTROL REQUIREMENTS.

COORDINATE UTILITY CONSTRUCTION WITH STAGING LIMITS AS SHOWN IN PROJECT ID 5400-00-72 AND 5400-00-73.

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
CONSTRUCTION DETAILS
SANITARY SEWER

UTILITIES

ATC MANAGEMENT, INC. - ELECTRICITY
ATTENTION: JEFF VANDERWERFF
W234 N2000 RIDGEVIEW PKWY CT.
WAUKESHA, WI 53188
CELL: (262) 206-4966

AT&T LEGACY - COMMUNICATION
ATTENTION: KENNETH M. NINE
110 N. MAIN STREET
CULVER, IN 46511
(574) 842-8830
CELL: (574) 904-6336
E-MAIL: knine@jmcealnc.com

AT&T WISCONSIN - COMMUNICATION
ATTENTION: SCOTT SOKOLOWSKI
435 S. 95TH STREET
MILWAUKEE, WI 53214
(414) 258-5239
E-MAIL: ms4143@att.com

CHARTER COMMUNICATIONS - COMMUNICATION
ATTENTION: JON MARSCHKE
2701 DANIELS STREET
MADISON, WI 53718
(608) 274-3822
CELL: (608) 225-2479
E-MAIL: jon.marschke@charter.com

CITY OF MADISON - COMMUNICATION
ATTENTION: MICHAEL BENZSCHAWEL
MADISON MUNICIPAL BUILDING, SUITE 109
215 MARTIN LUTHER KING JR. BLVD.
MADISON, WI 53701
(608) 266-9031
E-MAIL: MBenzschawel@cityofmadison.com

CITY OF MADISON - SANITARY SEWER
ATTENTION: MARK MODER, P.E.
210 MARTIN LUTHER KING JR. BLVD., ROOM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: mmoder@cityofmadison.com

LUMEN (aka CENTURYLINK; LEVEL 3) - COMMUNICATION
ATTENTION: JASON BUSSE
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
(414) 224-6713
CELL: (715) 405-3214
E-MAIL: Jason.Busse@lumen.com

MADISON GAS AND ELECTRIC - ELECTRIC
ATTENTION: MARK BOHM
133 S. BLAIR STREET
MADISON, WI 53788
(608) 252-4730
CELL: (608) 516-7930
E-MAIL: mbohm@mge.com

MADISON GAS AND ELECTRIC - GAS/PETROLEUM
ATTENTION: ROGER AHLES
623 RAILROAD STREET
MADISON, WI 53701
(608) 252-5682
E-MAIL: rahles@mge.com

MADISON WATER UTILITY - WATER
ATTENTION: PETE HOLMGREN
119 EAST OLIN AVENUE
MADISON, WI 53713-1431
(608) 266-5530
CELL: (608) 215-0225
E-MAIL: pholmgren@cityofmadison.com

MIDWEST FIBER NETWORKS - COMMUNICATION
ATTENTION: CORY SCHMUKI
6070 N. FLINT ROAD
GLENDALE, WI 53209
(414) 459-3561
CELL: (414) 349-2764
E-MAIL: cschmuki@midwestfibernetworks.com

WIN TECHNOLOGY - COMMUNICATION
ATTENTION: TODD ELLICKSON
4955 BULLIS FARM ROAD
EAU CLAIRE, WI 54701
(715) 832-3750
CELL: (608) 852-4072
E-MAIL: todd.ellickson@wintechnology.com

OTHER CONTACTS

DIVISION OF FACILITIES AND
TRANSPORTATION SERVICES
ATTENTION: CHAD BLIEFERNICHT
201 EAST WASHINGTON AVENUE,
DOA BUILDING OFFICE
MADISON, WI 53703
(608) 266-2119
CELL: (608) 219-7308
E-MAIL: Chad/Bliefernicht@wisconsin.gov

WISDOT - COMMUNICATION
ATTENTION: JEFF MADSON
STE. 300
433 W. ST. PAUL AVE.
MILWAUKEE, WI 53203-3007
(414) 225-3723
E-MAIL: Jeffrey.Madson@dot.wi.gov

CITY OF MADISON CONTACT

MARK MODER, P.E.
210 MARTIN LUTHER KING JR. BLVD., ROOM 115
MADISON, WI 53703
(608) 261-9250
E-MAIL: mmoder@cityofmadison.com

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

DNR LIAISON

ERIC HEGGELUND
SOUTH CENTRAL REGION
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
(608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

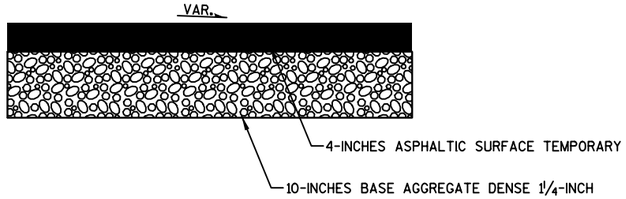
RAILROAD CONTACT

ROGER SCHAALMA
WISCONSIN & SOUTHERN RAILROAD
1890 E. JOHNSON STREET
MADISON, WI 53704
(608) 620-2044
E-MAIL: rschaalma@watcocompanies.com

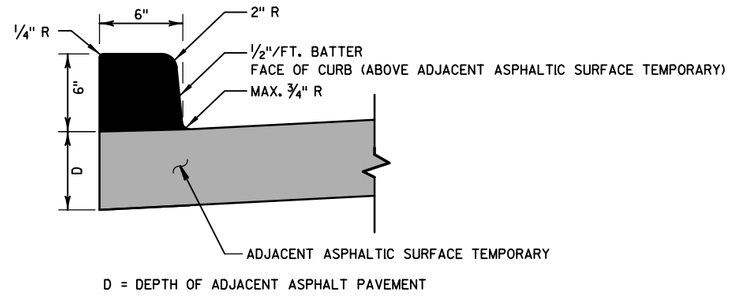
WISDOT CONTACT

JAMIE GRAINGER, P.E.
WISDOT SOUTHWEST REGION
2101 WRIGHT ST.
MADISON, WI 53704
(608) 206-7829
E-MAIL: Jamie.grainger@dot.wi.gov

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



TEMPORARY ASPHALTIC PAVEMENT STRUCTURE

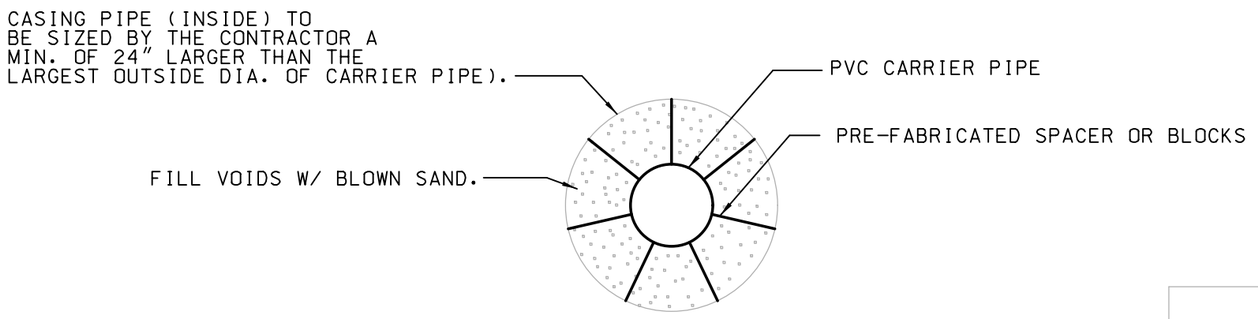


D = DEPTH OF ADJACENT ASPHALT PAVEMENT

ASPHALTIC CURB DETAIL

2

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	TEMPORARY PAVEMENT DETAILS	SHEET 3	E



NOTE:

WALL THICKNESS FOR STEEL CASING PIPE WITH 35,000 P.S.I. MIN. YIELD STRENGTH. FOR MATERIAL OF LOWER YIELD STRENGTH, INCREASE THICKNESS AN ADDITIONAL 1/16".

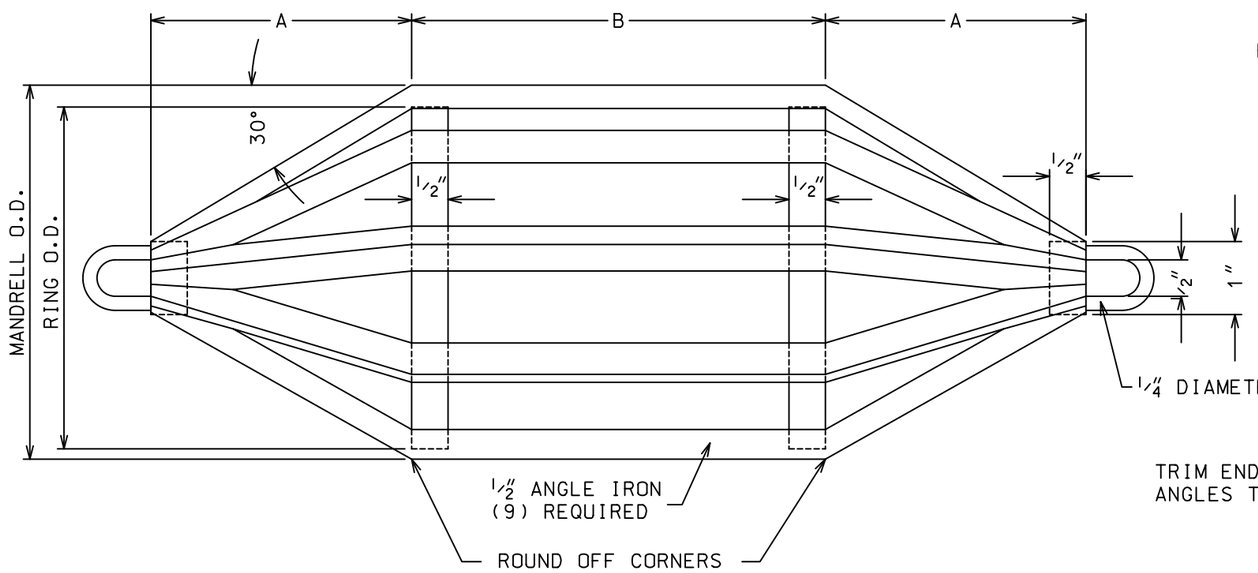
STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.2500	UNDER 12
0.3125	12 - 18
0.3750	18 - 22
0.4375	22 - 25
0.500	25 - 34
0.5625	34 - 42
0.6250	42 - 48

CASING PIPE DETAIL

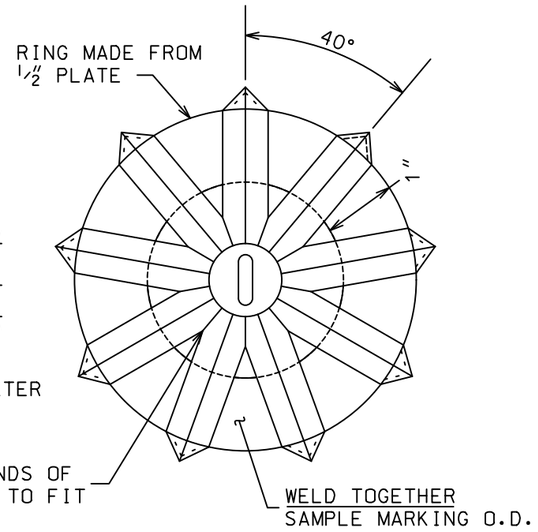
NTS

CITY OF MADISON
ENGINEERING DIVISION

CASING PIPE DETAIL



SIDE VIEW



END VIEW

NOMINAL PIPE SIZE ID, in	DIMENSIONS		MANDRELL O.D., in	RING O.D., in
	A, in	B, in		
6	4.0	4	5.61	4.90
8	5.3	6	7.36	6.65
10	6.7	6	9.21	8.50
12	8.0	8	11.06	10.35
15	10.0	9	13.82	13.11

MANDREL FOR USE IN ALL P.V.C. SEWER PIPE

NOTE:

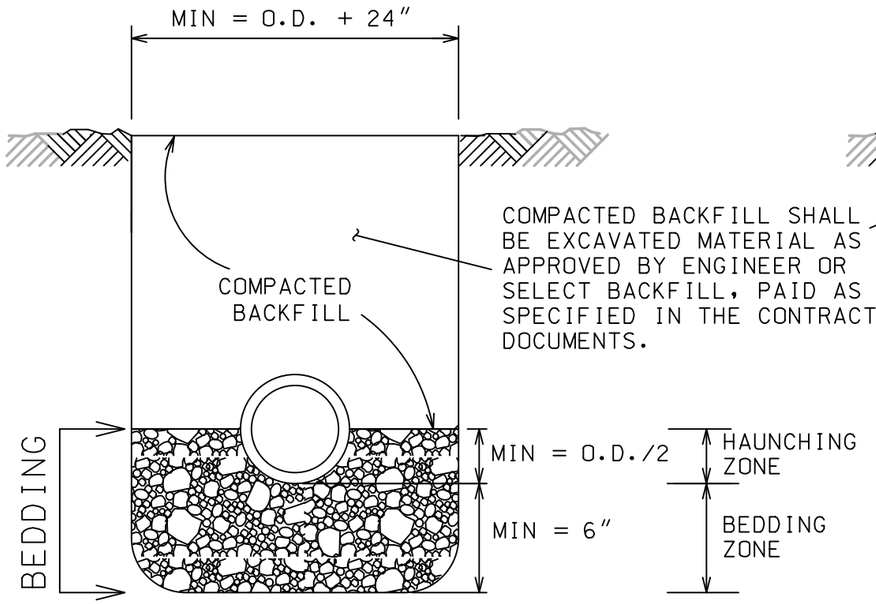
AFTER CONSTRUCTION IS COMPLETE, TRUE THE O.D. DIMENSION FOR THE FULL LENGTH OF "B" TO +/-0.010" BY TOOL AND LATHE OR GRINDING.

CITY OF MADISON
ENGINEERING DIVISION

MANDREL DETAIL

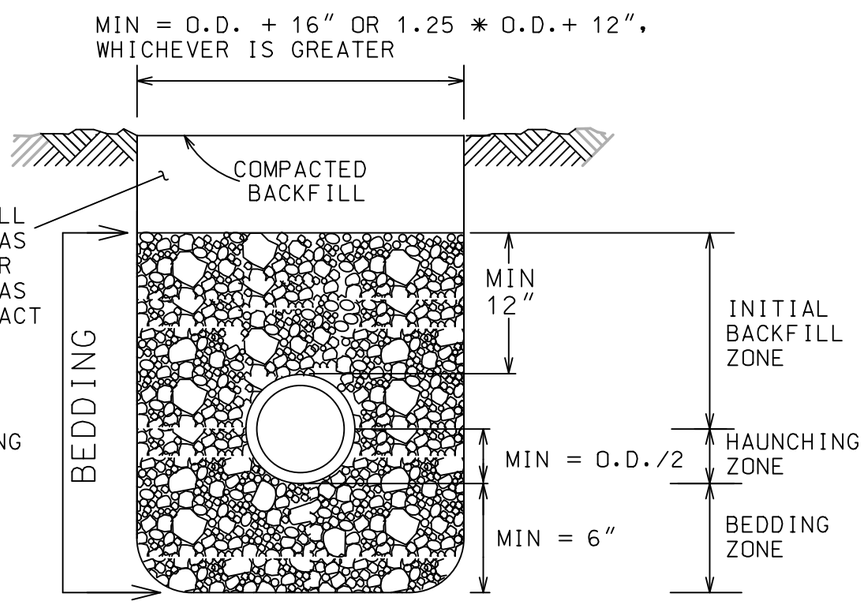
STANDARD DETAIL DRAWING 5.1.1

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 5	E



WASHED GRAVEL OR CRUSHED STONE AS SPECIFIED IN SECTION 502.1 (d), BEDDING OF SEWER PIPES

BEDDING FOR REINFORCED CONCRETE SEWER PIPES



WASHED GRAVEL, CRUSHED STONE, SAND OR LIMESTONE SCREENINGS FOR PIPE SIZES 10″ IN DIAMETER OR LESS. WASHED GRAVEL OR CRUSHED STONE FOR PIPE SIZES OVER 10″ IN DIAMETER. AS SPECIFIED IN SECTION 502.1 (d), BEDDING OF SEWER PIPES

BEDDING FOR SANITARY PIPE

NOTES:

UNLESS OTHERWISE SPECIFIED, ALL SANITARY PIPES, INCLUDING LATERALS AND LEADS, SHALL BE INSTALLED WITH THE TYPE OF BEDDING SHOWN FOR THE TYPE AND SIZE OF PIPE INSTALLED.

THE COSTS OF BEDDING SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE PIPE.
FOR RCP, BEDDING INCLUDES THE HAUNCHING & BEDDING ZONES.
FOR PLASTIC PIPES, THE BEDDING INCLUDES THE HAUNCHING, BEDDING & INITIAL BACKFILL ZONES.
THE BEDDING SHALL BE INSTALLED & COMPACTED IN 6″ MAXIMUM LIFTS.

ALL TRENCHES SHALL BE HAND BACKFILLED TO A POINT 12″ ABOVE THE TOP OF THE PIPE. ALL BEDDING SHALL BE MECHANICALLY COMPACTED.

PAYMENT SHALL NOT BE MADE FOR BACKFILL WITH EXCAVATED MATERIAL, IF APPROVED.
SELECT FILL, IF REQUIRED, SHALL BE PAID PER CONTRACT.

THE MAXIMUM ALLOWABLE TRENCH WIDTH SHALL BE 3 ✱ O.D., THE MINIMUM TRENCH WIDTH AS SPECIFIED, AND SHALL APPLY FROM THE BOTTOM OF THE TRENCH TO A POINT 12″ ABOVE THE TOP OF THE PIPE. WHERE THIS WIDTH IS EXCEEDED, THE CONTRACTOR SHALL FURNISH AND INSTALL A HIGHER TYPE OF BEDDING AT NO EXTRA COST. THE TYPE OF BEDDING SHALL BE DETERMINED BY THE ENGINEER.

O.D. EQUALS THE OUTSIDE DIAMETER OF THE PIPE.

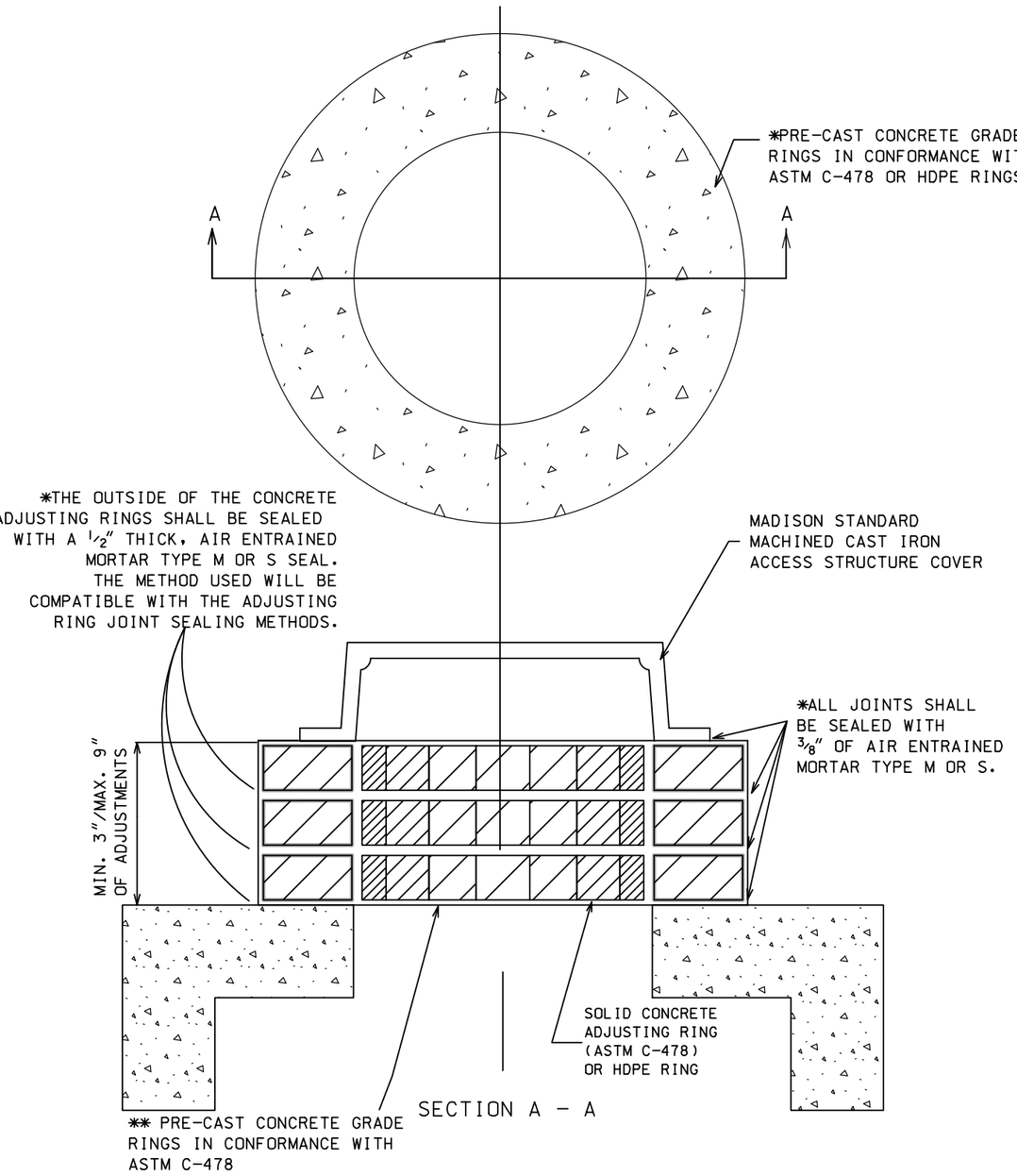
CITY OF MADISON
ENGINEERING DIVISION

PIPE BEDDING AND BACKFILL

STANDARD DETAIL DRAWING 5.2.1

DRAWING NOT TO SCALE

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 6	E



** NOTE: HDPE ADJUSTMENT RINGS (LADTECH OR APPROVED EQUAL) MEETING AASHTO HS25 SPECS, ASTM D-1248 INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS WILL BE CONSIDERED AN ACCEPTABLE ALTERNATE TO PRECAST RINGS.
IF PRO-RINGS ARE INSTALLED FOR THE WHOLE ADJUSTMENT, CONTRACTOR WILL BE PAID FOR AN INTERNAL CHIMNEY SEAL.
PRO-RING ADJUSTMENT IS CONSIDERED TO BE EQUIVALENT OF AN INTERNAL CHIMNEY SEAL. PRO-RING SHALL HAVE M-1 ADHESIVE BETWEEN RINGS. CRETEX PRO RING WILL BE CONSIDERED AN ACCEPTED ALTERNATE FOR PRECAST RINGS.
RING JOINT SEALANT SHALL BE ASTM C990 AND AASHTO M-198

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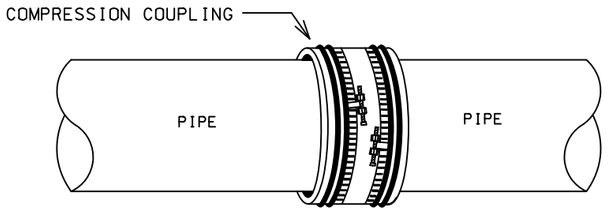
SAS CHIMNEY
AND CASTING

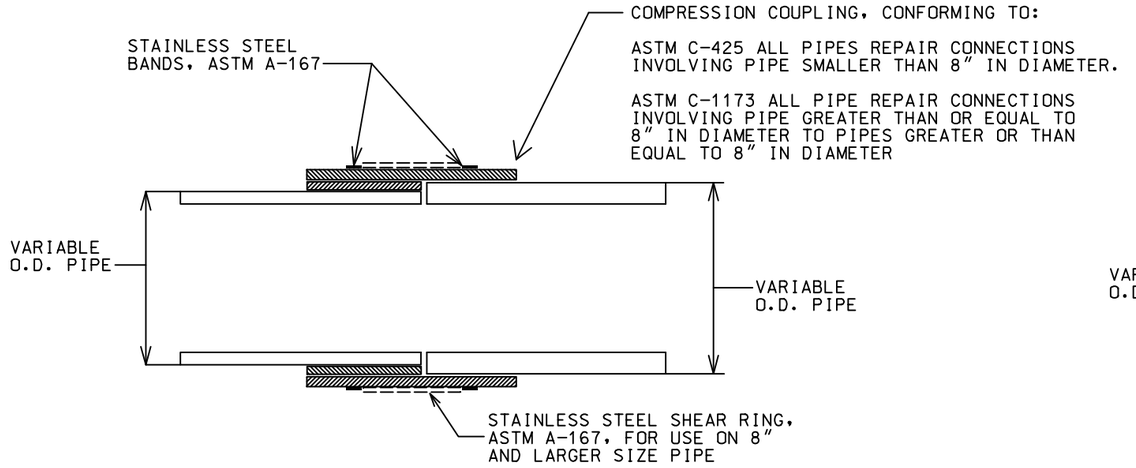
STANDARD DETAIL DRAWING 5.7.15

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 7	E

COMPRESSION COUPLING

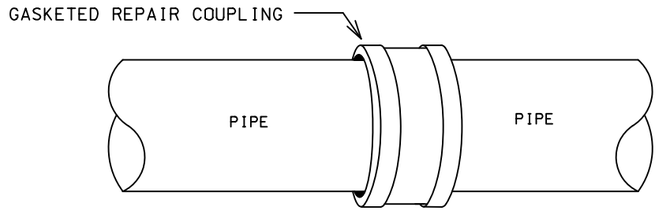
PIPES WITH DIFFERENT MATERIAL TYPES
PIPES WITH DIFFERENT OUTSIDE DIAMETERS

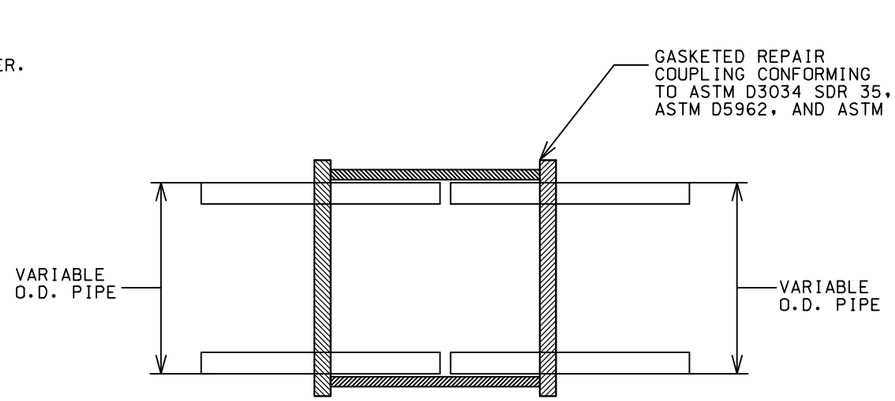




GASKETED REPAIR COUPLING

PVC TO PVC CONNECTION





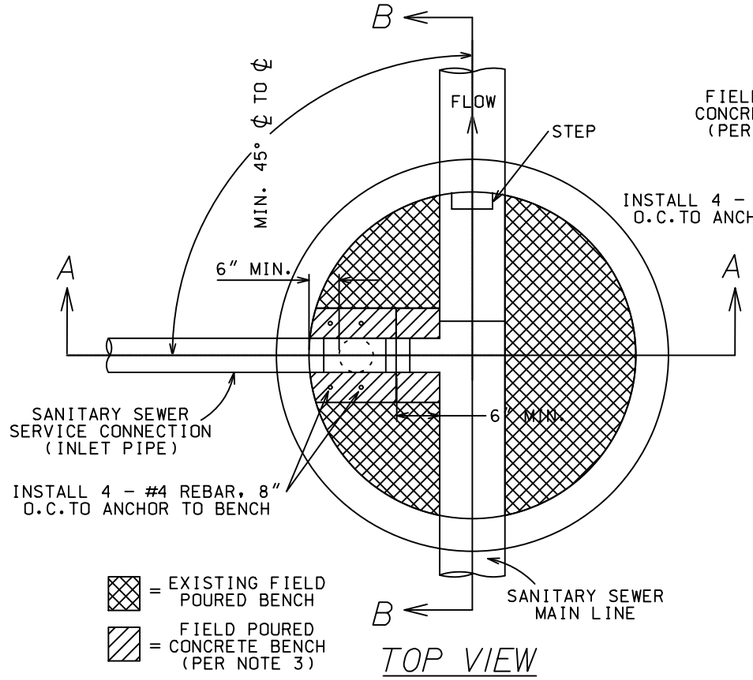
ALL REPAIRS INVOLVING PIPE CONNECTIONS 8" IN DIAMETER TO 8" IN DIAMETER OR LARGER SHALL UTILIZE THE FERNCO RC STRONGBACK OR EQUIVALENT REPAIR COUPLING. (ASTM C1173).

CITY OF MADISON
ENGINEERING DIVISION

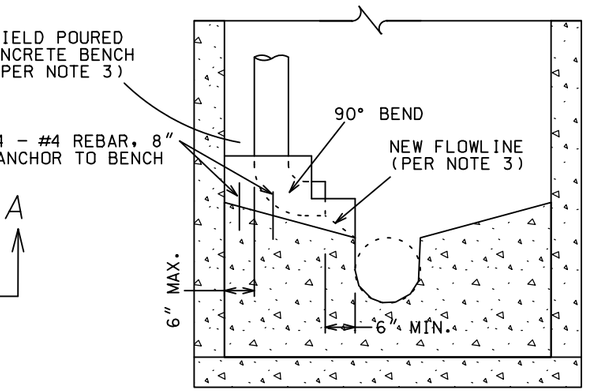
COUPLING DETAILS

STANDARD DETAIL DRAWING 5.3.3

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 8	E



TOP VIEW



SIDE VIEW

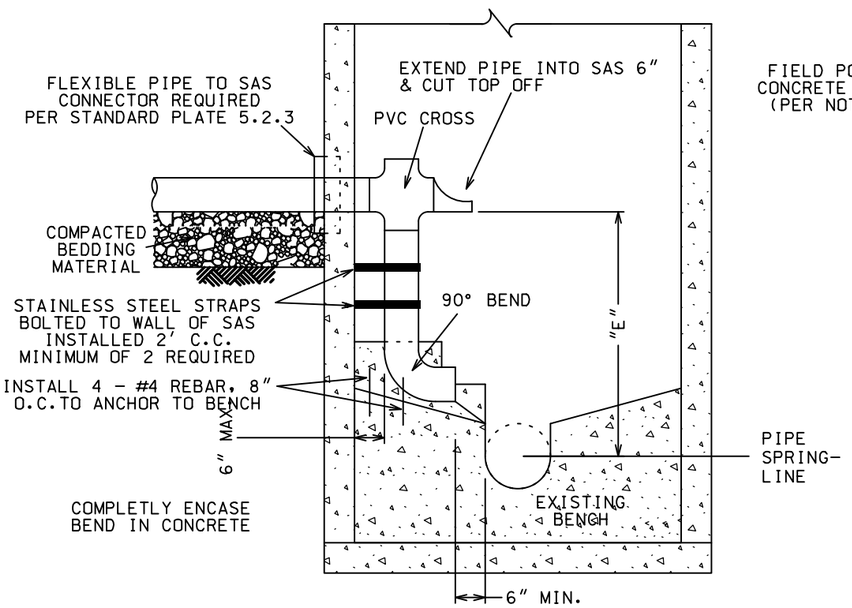
FIELD POURED
CONCRETE BENCH

NOTES:

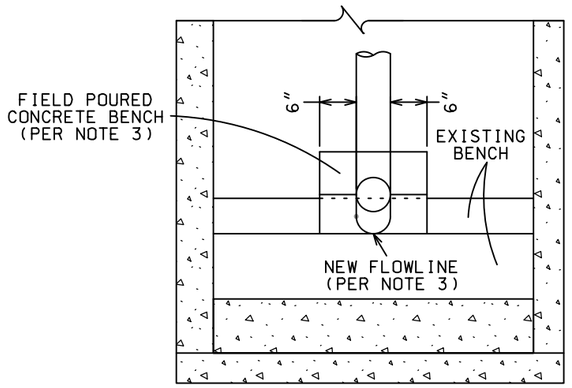
1) INSIDE DROP INLETS SHALL BE USED ONLY WHERE SITE CONDITIONS MAKE AN OUTSIDE DROP CONNECTION INFEASIBLE TO CONSTRUCT. THIS DETERMINATION SHALL BE MADE BY THE ENGINEER IN THE FIELD. THE CONTRACTOR SHALL OBTAIN APPROVAL FOR INSTALLATION OF THE INSIDE DROP INLET FROM THE ENGINEER PRIOR TO CONSTRUCTION.

2) DROP INLET SHALL BE BUILT WHEN "E" IS GREATER THEN 24". "E" SHALL BE MEASURED FROM THE INVERT OF THE INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER.

3) ENCASE INLET PIPE IN CONCRETE FROM THE EXISTING BENCH TO FIRST JOINT ABOVE THE 90° BEND. FORM NEW SMOOTH FLOWLINE FROM PIPE END TO MAIN CHANNEL. ROUGH BRUSH FINISH ALL OTHER SURFACES OF THE NEW CONCRETE ENCASEMENT.



SECTION A-A



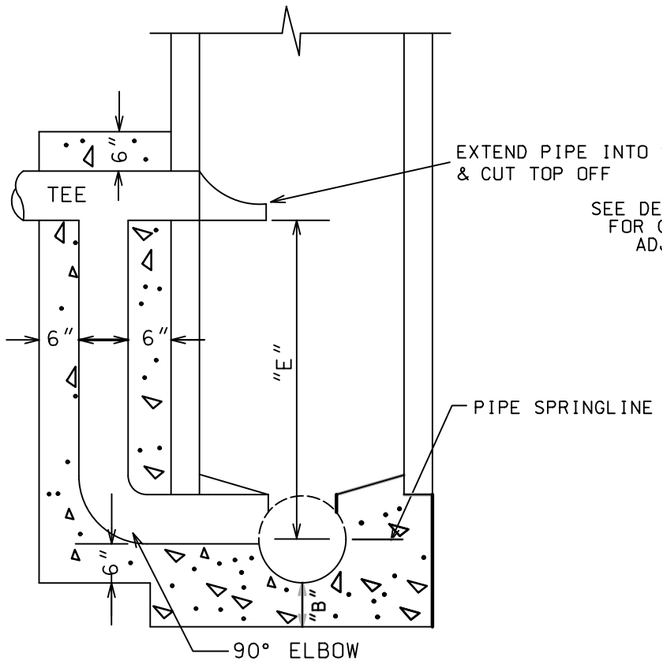
SECTION B-B

CITY OF MADISON
ENGINEERING DIVISION

INSIDE DROP FOR SANITARY MAIN AND LATERAL

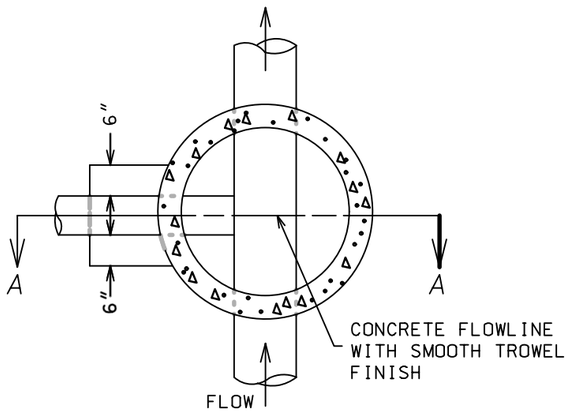
STANDARD DETAIL DRAWING 5.7.30

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 9	E

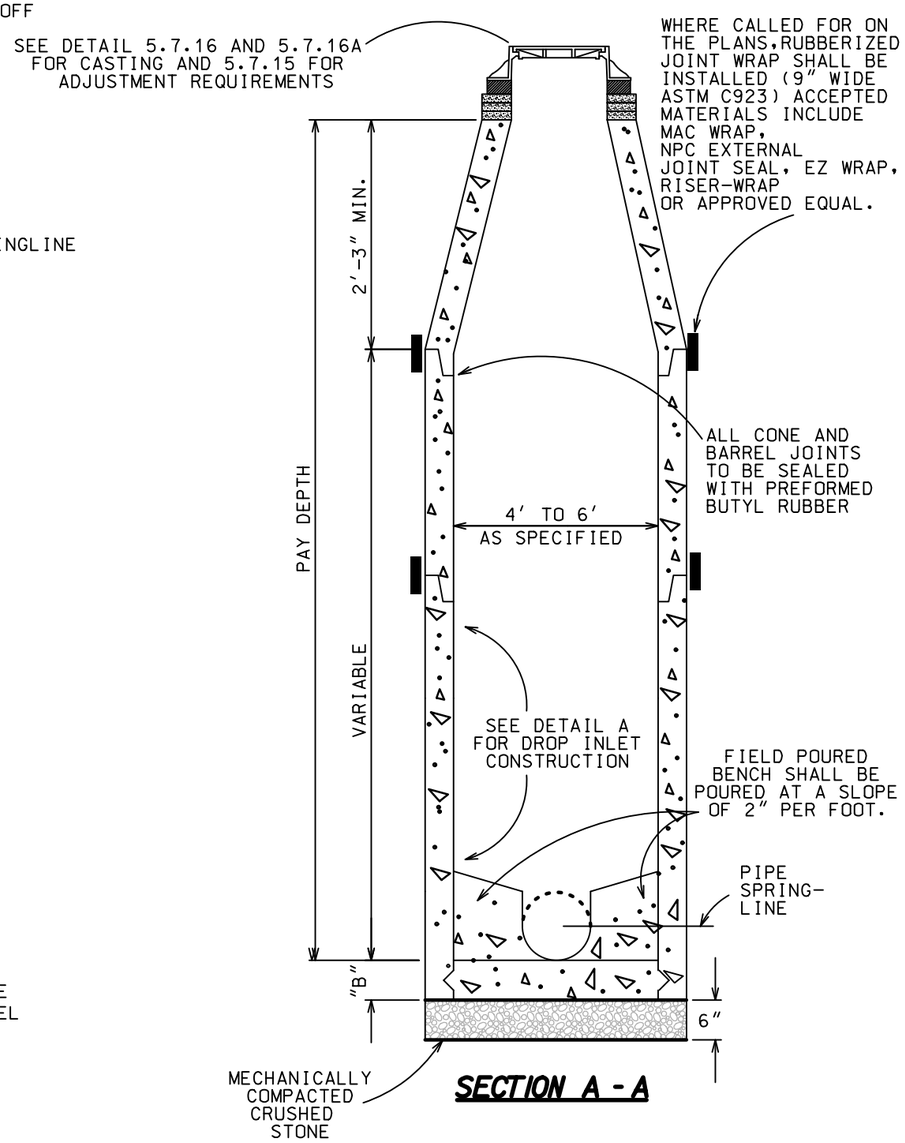


DETAIL A

SHOWING DROP INLET CONSTRUCTION FOR SANITARY SEWER MAINS & LATERALS



TOP VIEW



SECTION A - A

NOTES:

1) PRECAST S.A.S. SECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478.

2) THICKNESS OF BASE, "B":
   6" MIN. FOR 4' DIAMETER SAS
   8" MIN. FOR 5' AND 6' DIAMETER SAS

3) FOR CASTING DESIGNATION REFER TO STANDARD DETAIL DRAWING 5.7.16 AND 5.7.16A

4) CENTERED (CONCENTRIC) CONE SHALL BE INSTALLED UNLESS OTHERWISE DIRECTED.

5) DROP INLET SHALL BE BUILT FOR ALL SEWER MAINS AND LATERALS WHEN "E" IS GREATER THAN 24". "E" SHOULD BE MEASURED FROM INVERT OF INCOMING PIPE TO THE SPRINGLINE OF THE OUTGOING SEWER. INSIDE DROP PER STANDARD DETAIL DRAWING 5.7.30 MAY BE INSTALLED FOR 4" AND 6" SERVICE CONNECTIONS WHERE OUTSIDE DROP INLET CONSTRUCTION IS INFEASIBLE. ENGINEER SHALL APPROVE INSIDE DROP INLET PRIOR TO INSTALLATION.

6) FLEXIBLE PIPE TO SAS CONNECTOR REQUIRED PER STANDARD DETAIL DRAWING 5.7.31

7) ALL BENCHES TO BE FIELD POURED CONCRETE WITH SMOOTH TROWEL FINISH. PRECAST BENCHES ONLY PERMITTED WITH PRIOR APPROVAL OF ENGINEER IN WRITING.

8) ALL JOINTS BETWEEN RINGS SHALL BE SEALED WITH $\frac{3}{8}$" OF AIR-ENTRAINED TYPE M OR S MORTAR. THE OUTSIDE SURFACE OF THE ADJUSTING RINGS SHALL BE SEALED WITH A $\frac{1}{2}$" THICK AIR-ENTRAINED MORTAR TYPE M OR S SEAL. THE METHOD USED FOR SEALING THE OUTSIDE SURFACE SHALL BE COMPATIBLE WITH THAT USED TO SEAL JOINTS BETWEEN THE RINGS.

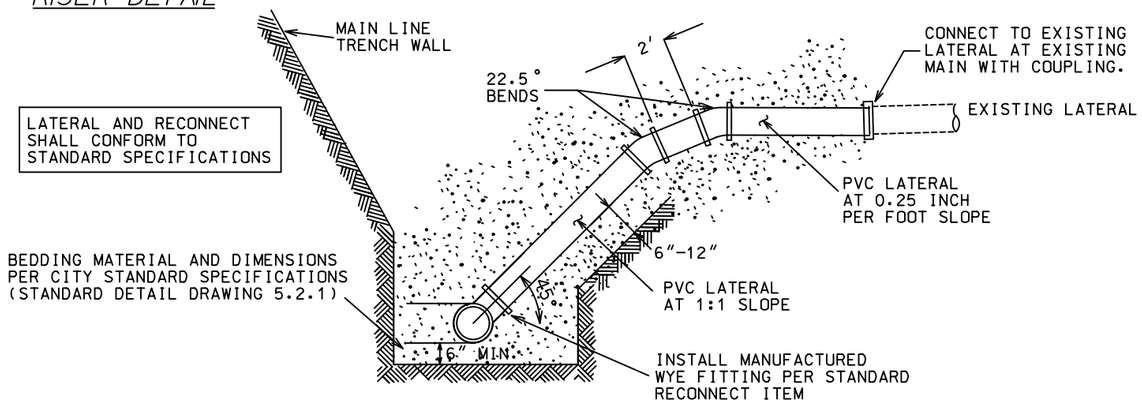
9) PRECAST SANITARY SEWER ACCESS STRUCTURES FOR STREET RECONSTRUCTION PROJECTS AND FOR STREET EXCAVATION PERMITS REQUIRE PRECAST SHOP DRAWING APPROVAL FROM CITY ENGINEERING. PRIOR TO BEING FABRICATED BY THE MANUFACTURER NO PRECAST SHOP DRAWINGS ARE REQUIRED FOR NEW CONSTRUCTION IN SUBDIVISION DEVELOPMENTS.

CITY OF MADISON
ENGINEERING DIVISION

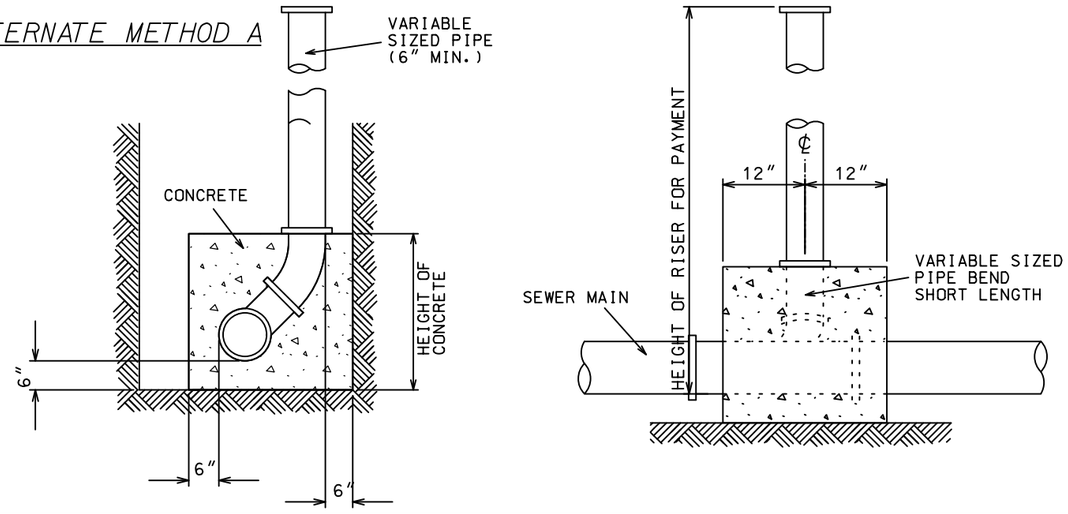
SANITARY SEWER PRECAST SAS

STANDARD DETAIL DRAWING 5.7.2

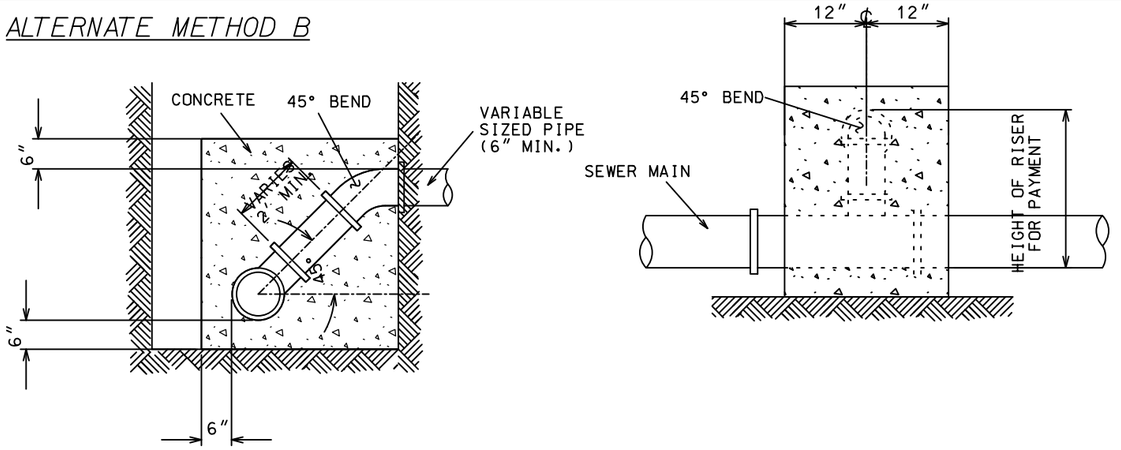
RISER DETAIL



ALTERNATE METHOD A



ALTERNATE METHOD B



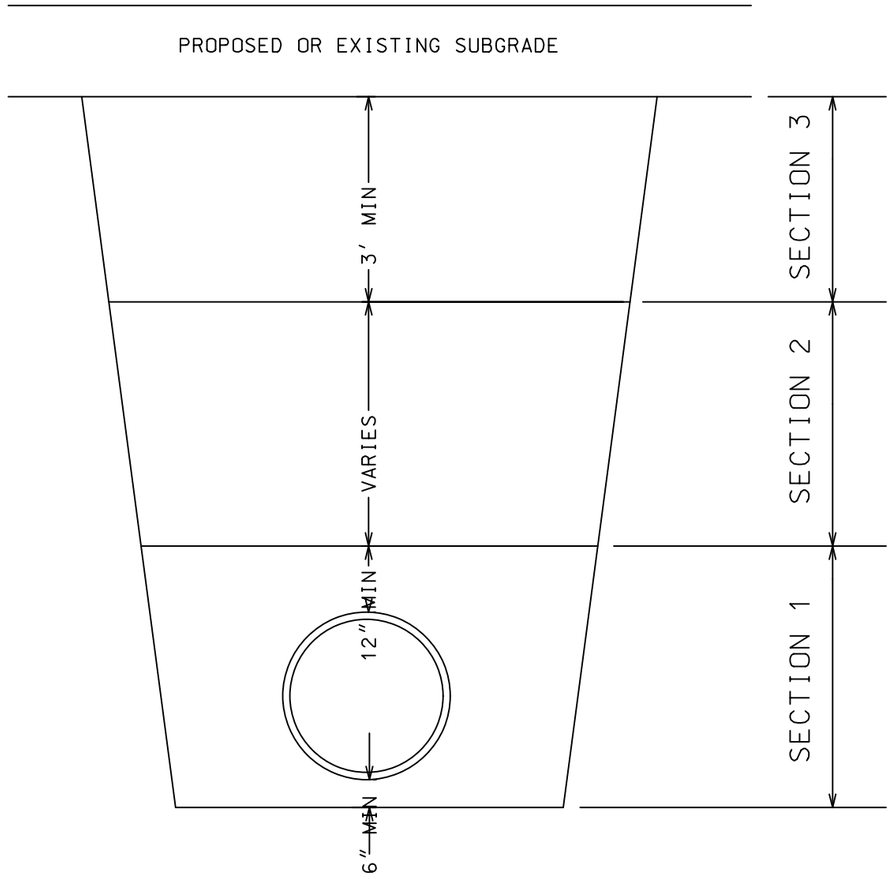
CITY OF MADISON
ENGINEERING DIVISION

RISER DETAIL

STANDARD DETAIL DRAWING 5.3.1

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\930\Drawings\CAD\Micros\PLAN\PP_Sanitary Riser Detail.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TYPICAL TRENCH COMPACTION

ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12" BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUCCEEDING LIFTS OF BACKFILL MATERIAL.

IN COLD WEATHER, TRENCHES SHALL BE COMPACTED IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN SECTION 502.1 (e) OF THE CITY OF MADISON STANDARD SPECIFICATIONS, BACKFILLING EXCAVATIONS AND COMPACTION OF BACKFILL, OF THESE SPECIFICATIONS.

SECTION 1:

MECHANICALLY COMPACTED BEDDING AS REQUIRED BY THE SPECIFICATIONS. COMPACTION ACHIEVED WITH SMALLER PLATE COMPACTOR.
FOR ALL PLASTIC PIPE SECTION 1 SHALL BE INSTALLED IN ACCORDANCE WITH CITY OF MADISON STANDARAD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION - LATEST EDITION S.D.D. 5.2.1A

SECTION 2:

MINIMUM COMPACTION OF 90% MAXIMUM DENSITY. COMPACTION OF BACKFILL WITH BOMAG OR HOE-PAC SHALL NOT BEGIN UNTIL THE DEPTH OF BACKFILL MATERIAL IS TWO FEET ABOVE THE TOP OF PIPE.

SECTION 3:

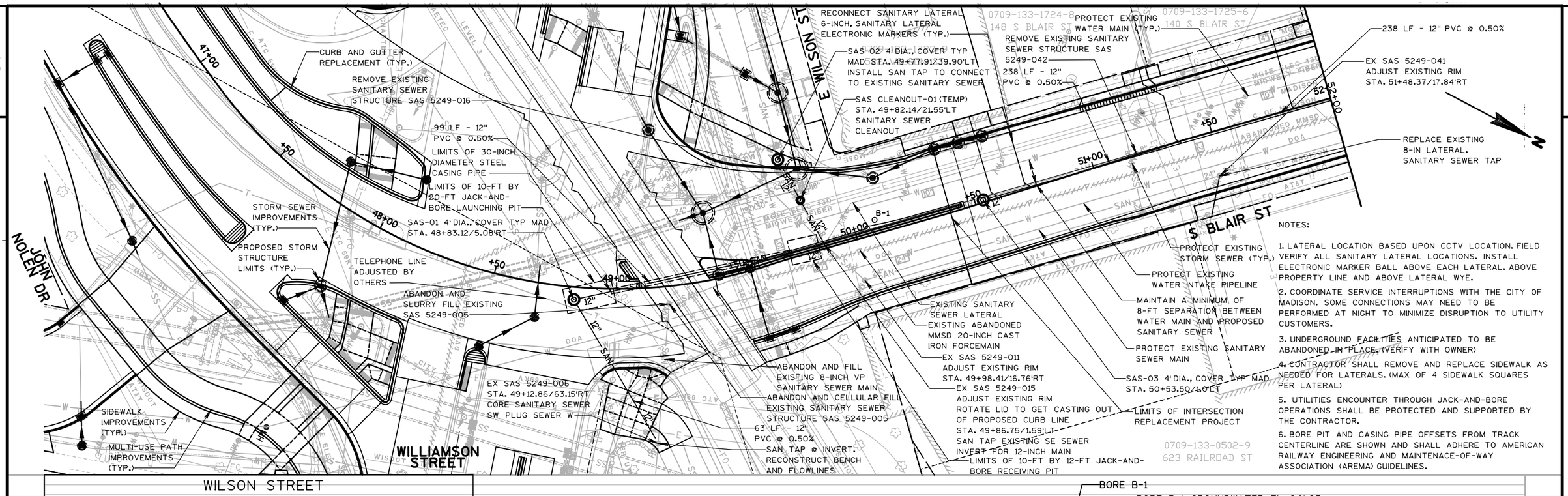
MINIMUM COMPACTION OF 95% MAXIMUM DENSITY.

CITY OF MADISON
ENGINEERING DIVISION

TYPICAL TRENCH COMPACTION

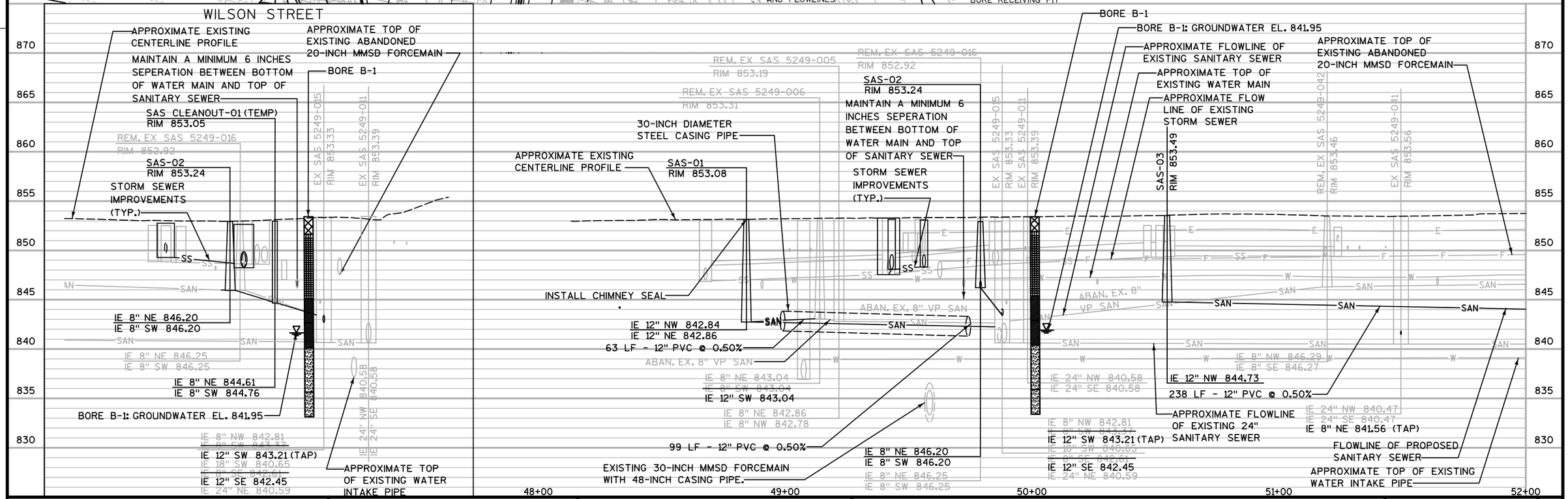
STANDARD DETAIL DRAWING 5.2.2

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	CONSTRUCTION DETAIL	SHEET 12	E



NOTES:

1. LATERAL LOCATION BASED UPON CCTV LOCATION. FIELD VERIFY ALL SANITARY LATERAL LOCATIONS. INSTALL ELECTRONIC MARKER BALL ABOVE EACH LATERAL. ABOVE PROPERTY LINE AND ABOVE LATERAL WYE.
2. COORDINATE SERVICE INTERRUPTIONS WITH THE CITY OF MADISON. SOME CONNECTIONS MAY NEED TO BE PERFORMED AT NIGHT TO MINIMIZE DISRUPTION TO UTILITY CUSTOMERS.
3. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE. (VERIFY WITH OWNER)
4. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS. (MAX OF 4 SIDEWALK SQUARES PER LATERAL)
5. UTILITIES ENCOUNTER THROUGH JACK-AND-BORE OPERATIONS SHALL BE PROTECTED AND SUPPORTED BY THE CONTRACTOR.
6. BORE PIT AND CASING PIPE OFFSETS FROM TRACK CENTERLINE ARE SHOWN AND SHALL ADHERE TO AMERICAN RAILWAY ENGINEERING AND MAINTENACE-OF-WAY ASSOCIATION (AREMA) GUIDELINES.



PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	SANITARY SEWER	SHEET 13 E

NOTES:

1. LATERAL LOCATION BASED UPON CCTV LOCATION. FIELD VERIFY ALL SANITARY LATERAL LOCATIONS. INSTALL ELECTRONIC MARKER BALL ABOVE EACH LATERAL ABOVE THE PROPERTY LINE AND ABOVE LATERAL WYE
2. COORDINATE SERVICE INTERRUPTIONS WITH THE CITY OF MADISON. SOME CONNECTIONS MAY NEED TO BE PERFORMED AT NIGHT TO MINIMIZE DISRUPTION TO UTILITY CUSTOMERS.
3. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE. (VERIFY WITH OWNER)
4. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS. (MAX OF 4 SIDEWALK SQUARES PER LATERAL)

33 LF - 8-INCH PVC @ 1.0%. PROVIDED GLUED CAP AT PROPERTY LINE
REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5249-014
SAS-04 5'DIA., COVER TYP MAD STA. 52+96.50/1.0'RT
0709-133-1727-2
134 S. BLAIR ST
S BLAIR ST
0709-133-1729-9
118 S. BLAIR ST
0709-133-1730-5
114 S. BLAIR ST
0709-133-1731-3
110 S. BLAIR ST
SIDEWALK IMPROVEMENTS (TYP.)
CURB AND GUTTER REPLACEMENT (TYP.)
PROTECT EXISTING WATER MAIN (TYP.)
SAS-06 5'DIA., COVER TYP MAD STA. 56+22.37/18.27'LT. SANITARY SEWER TAP TO CONNECT TO EXISTING SANITARY SEWER
0709-133-1733-9
525 E. MAIN ST
26 LF - 12-INCH PVC @ 0.85%
SAS-05 4'DIA., COVER TYP MAD STA. 55+98.56/1.0'RT
PROTECT EXISTING STORM SEWER (TYP.)
46 LF - 12-INCH PVC @ 0.85%
SAS-07 4'DIA., COVER TYP MAD STA. 56+72.81/18.22'LT
0709-133-1607-6
522 E. MAIN ST
22 LF - 12-INCH PVC @ 0.85%
SAS-08 4'DIA., COVER TYP MAD STA. 56+89.71/2.37'RT
MAINTAIN A MINIMUM OF 8-FT SEPARATION BETWEEN WATER MAIN AND PROPOSED SANITARY SEWER
INSTALL LATERAL FOR FUTURE DEVELOPMENT
GP-3B
BOR-2
BOR-3
238 LF - 12-INCH PVC @ 0.50%
PROTECT EXISTING SANITARY SEWER MAIN
STORM SEWER IMPROVEMENTS (TYP.)
ADJUST SAS 5249-012. CONSTRUCT INSIDE DROP FOR 8-IN LATERAL
0709-133-0502-9
623 RAILROAD ST
RAILROAD ST
MAINTAIN A MINIMUM OF 8-FT SEPARATION BETWEEN WATER MAIN AND PROPOSED SANITARY SEWER
PROTECT EXISTING STORM SEWER MANHOLE (TYP.)
PROTECT EXISTING WATER MAIN VAULT (TYP.)
38 LF - 12-INCH PVC @ 1.16%
EX SAS 5249-013 STA. 52+97.06/42.60'RT RECONSTRUCT BENCH AND FLOWLINES
297 LF - 12-INCH PVC @ 0.85%
EXISTING ABANDONED 20-INCH CAST IRON MMSD FORCEMAIN
0709-133-0605-1
602 RAILROAD ST
PROTECT EXISTING WATER INTAKE PIPELINE
RECONNECT SANITARY LATERAL 6-INCH, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)
PROTECT EXISTING STEAM TUNNEL AND ASSOCIATED FIXTURES (TYP.)
PROTECT EXISTING FIBER OPTIC VAULT (TYP.)
REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-027
0709-133-0604-3
601 E. MAIN ST
E MAIN ST
121 LF - 12-INCH PVC @ 0.50%
0709-133-0708-3
27 S. BLAIR ST
INSTALL LATERAL FOR FUTURE DEVELOPMENT
COORDINATE THE REMOVAL AND REALIGNMENT OF THE EXISTING MG&E ELECTRICAL DUCTS WITH THE UTILITY
COORDINATE THE REMOVAL AND RELOCATION OF THE EXISTING MG&E ELECTRIC VAULT WITH THE UTILITY
PROTECT EXISTING WATER MAIN (TYP.)
0709-133-0722-3
615 E. WASHINGTON AVE.

SAS-04, 5'DIA
RIM 853.62
REM. EX SAS 5249-014
RIM 853.62
MAINTAIN A MINIMUM 6 INCHES SEPARATION BETWEEN BOTTOM OF WATER MAIN AND TOP OF SANITARY SEWER
EX SAS 5249-012
RIM 853.18
BORE GP-3B
ABAN. EX. 8" VP SAN
238 LF - 12" PVC @ 0.50%
APPROXIMATE FLOWLINE OF EXISTING SANITARY SEWER
IE 24" SE 840.58
IE 24" NE 840.50
IE 6" E 842.20
IE 6" E 848.18
IE 6" E 848.18 TAP (INSIDE DROP)
IE 6" E 841.50
IE 24" S 840.56
IE 24" NE 840.58
IE 12" SW 843.00
SANITARY TAP
IE 8" NW 846.80
IE 8" SE 846.80
IE 12" NW 843.54
IE 12" SE 843.54
IE 12" NE 843.44
IE 8" SW 843.54
APPROXIMATE FLOW LINE OF EXISTING STORM SEWER
BORE BOR-2
APPROXIMATE EXISTING CENTERLINE PROFILE
APPROXIMATE TOP OF EXISTING ABANDONED 20-INCH FORCEMAIN
EX SAS 5249-013
RIM 853.11
ABAN. EX. 8" VP SAN
297 LF - 12" PVC @ 0.85%
APPROXIMATE FLOWLINE OF EXISTING SANITARY SEWER
FLOWLINE OF PROPOSED SANITARY SEWER
APPROXIMATE TOP OF EXISTING WATER INTAKE PIPE
APPROXIMATE TOP OF EXISTING WATER MAIN
SAS-05
RIM 859.34
IE 12" SE 846.06
IE 12" W 846.16
26 LF - 12" PVC @ 0.85%
IE 12" E 846.38
IE 12" NW 846.48
IE 8" SW 848.84
TAP (INSIDE DROP)
IE 8" SW 846.88
SAS-06, 5'DIA
RIM 860.50
REM. EX SAS 5248-027
RIM 859.64
SAS-07
RIM 859.83
SAS-08
RIM 859.07
BORE BOR-3
ABAN. EX. 8" VP SAN
121 LF - 12" PVC @ 0.50%
46 LF - 12" PVC @ 0.85%
IE 12" NE 846.87
IE 12" SE 846.97
22 LF - 12" PVC @ 0.85%
IE 8" NW 847.82
IE 8" SE 847.82
IE 8" SW 848.84
IE 12" NW 847.26
IE 12" SW 847.16
RAILROAD STREET
SAS-04, 5'DIA
RIM 853.62
EX SAS 5249-013
RIM 853.11
ABANDONED 20-INCH FORCEMAIN
38 LF - 12-INCH PVC @ 1.16%
IE 8" NW 846.80
IE 8" SE 846.80
IE 12" NW 843.54
IE 12" SE 843.54
IE 12" NE 843.44
IE 8" SW 843.54
IE 24" S 840.56
IE 24" NE 840.58
IE 12" SW 843.00
SANITARY TAP

865 860 855 850 845 840 835 830 825
52+00 53+00 54+00 55+00 56+00

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	SANITARY SEWER	SHEET 14	E

RECONNECT SANITARY LATERAL 6-INCH, SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

SAS-09 4'DIA., COVER TYP MAD STA. 58+15.31/1.0'RT

33 LF - 8-INCH PVC @ 1.0%. PROVIDED GLUED CAP AT PROPERTY LINE

0709-133-1610-8
501 E. WASHINGTON AVE.

SAS-10 4'DIA., COVER TYP MAD STA. 60+19.75/1.0'RT. INSTALL COMPRESSION COUPLING TO CONNECT TO EXISTING SANITARY SEWER

0709-133-1610-9
521 E. WASHINGTON AVE.

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-002

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-003

S BLAIR ST

GP-14A

126 LF - 10" PVC @ 4.50%

MAINTAIN A MINIMUM OF 8-FT SEPARATION BETWEEN WATER MAIN AND PROPOSED SANITARY SEWER

STORM SEWER IMPROVEMENTS (TYP.)

SIDEWALK IMPROVEMENTS (TYP.)

CURB AND GUTTER REPLACEMENT (TYP.)

0709-133-1519-3
524 E. WASHINGTON AVE.
LATERAL ON BLAIR ST

EXISTING SEWER LATERAL (TYP.)

PROTECT EXISTING SANITARY SEWER STRUCTURE SAS 5148-056

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-010

EXISTING ABANDONED 20-INCH CAST IRON MMSD FORCEMAIN

MAINTAIN A MINIMUM OF 8-FT SEPARATION BETWEEN WATER MAIN AND PROPOSED SANITARY SEWER

INSTALL 6-IN LATERAL FOR FUTURE DEVELOPMENT

0709-133-0720
5 S. BLAIR ST

SEE STAGING PLAN. END OF BLAIR STREET SEWER CONSTRUCTION. TEMPORARY CONNECTIONS TO E WASHINGTON AVENUE SANITARY SEWER

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-004

SLURRY FILL AND ABANDON EXISTING SEWER BETWEEN SAS 5288-001 AND SAS-09

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-001

CELLULAR FILL AND ABANDON EXISTING SEWER BETWEEN SAS 5248-001 AND SAS 5248-002

0709-133-0804-9
608 E. WASHINGTON AVE.

E WASHINGTON AVE

CAPITAL STEAM TUNNEL

MADISON WATER UTILITY

ABANDONED MMSD

NOTES:

1. LATERAL LOCATION BASED UPON CCTV LOCATION. FIELD VERIFY ALL SANITARY LATERAL LOCATIONS. INSTALL ELECTRONIC MARKER BALL ABOVE EACH LATERAL. ABOVE PROPERTY LINE AND ABOVE LATERAL WYE.
2. COORDINATE SERVICE INTERRUPTIONS WITH THE CITY OF MADISON. SOME CONNECTIONS MAY NEED TO BE PERFORMED AT NIGHT TO MINIMIZE DISRUPTION TO UTILITY CUSTOMERS.
3. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE. (VERIFY WITH OWNER)
4. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS. (MAX OF 4 SIDEWALK SQUARES PER LATERAL)
5. THE EXACT DIMENSIONS, DEPTH, AND MATERIAL TYPE FOR THE STEAM TUNNEL IS UNKNOWN. CONTRACTOR SHALL USE CAUTION WHILE WORKING IN THE VICINITY OF THE TUNNEL

MAINTAIN A MINIMUM 6 INCHES SEPARATION BETWEEN BOTTOM OF WATER MAIN AND TOP OF SANITARY SEWER

PROTECT EXISTING STEAM TUNNEL. INVERT AND SIZE OF TUNNEL IS APPROXIMATE

SAS-10
RIM 858.44

REM. EX SAS
5248-010
RIM 858.31

APPROXIMATE FLOW LINE OF EXISTING STORM SEWER

SAS-09
RIM 858.32

APPROXIMATE EXISTING CENTERLINE PROFILE

REM. EX SAS
5248-003
RIM 858.10

REM. EX SAS
5248-002
RIM 858.46

REM. EX SAS
5248-001
RIM 857.95

GP-14A

ABAN. EX. 10" VP SAN

200 LF - 12" PVC @ 0.50%

IE 12" NW 847.96
IE 12" SE 847.86
IE 8" SW 847.96

APPROXIMATE TOP OF EXISTING ABANDONED 20-INCH MMSD FORCEMAIN

APPROXIMATE TOP OF EXISTING WATER MAIN

IE 10" NW 849.05
IE 10" SE 848.99

IE 10" SW 849.06
IE 12" SE 848.96
IE 6" NW 850.37
IE 8" SW 850.45

IE 6" SW 852.90
IE 6" SE 852.88

FLOWLINE OF PROPOSED SANITARY SEWER

APPROXIMATE FLOWLINE OF EXISTING SANITARY SEWER

TEMPORARY CONNECTIONS FOR END OF BLAIR STREET SEWER CONSTRUCTION. WILL BE CAPPED IN FINAL CONDITIONS.

875 870 865 860 855 850 845 840 835

58+00 59+00 60+00 61+00

PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	SANITARY SEWER	SHEET 15	E

EXISTING SANITARY SEWER STRUCTURE SAS 5148-020

E WASHINGTON AVE

ULO LATERAL LOCATIONS PRIOR TO SAS-10 INSTALLATION

PROTECT EXISTING STEAM TUNNEL (TYP.)

CURB AND GUTTER REPLACEMENT (TYP.)

SAS-12 4' DIA., COVER TYP MAD STA. 226+55.97/36.47'LT. CONNECT TO EXISTING SANITARY SEWER

0709-133-1518-5 516 E. WASHINGTON AVE.

SLURRY FILL AND ABANDON EXISTING SEWER BETWEEN SAS 5248-001 AND SAS-09

0709-133-1519-3 524 E. WASHINGTON AVE.

SIDEWALK IMPROVEMENTS (TYP.)

N BLAIR ST

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-001

SLURRY FILL AND ABANDON EXISTING SEWER BETWEEN SAS 5248-001 AND SAS 5248-002

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-030

SAS-13 4' DIA., COVER TYP MAD STA. 229+21.12/41.52'LT

0709-133-0804-9 608 E. WASHINGTON AVE.

CONNECT TO EXISTING LATERAL PAST EXISTING SEWER WYE (TYP.)

PROTECT EXISTING INLET (TYP.)

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-005

68 LF - 10" AWWA C900 @ 0.50%

SAS-11 5' DIA., COVER TYP MAD STA. 226+55.90/36.41'RT. INSTALL COMPRESSION COUPLING TO CONNECT TO EXISTING SANITARY SEWER

MAINTAIN A MINIMUM OF 8-FT SEPARATION BETWEEN WATER MAIN AND PROPOSED SANITARY SEWER

CAPITAL STEAM TUNNEL

STORM SEWER IMPROVEMENTS (TYP.)

SLURRY FILL EXISTING 6-IN SANITARY SEWER

EX SAS 5248-008. ADJUST RIM STA. 230+69.51/43.77'LT SANITARY TAP SW SEWER INVERT FOR 8-INCH MAIN. RECONSTRUCT STRUCTURE BENCH AND FLOWLINES

CONNECT TO EXISTING STORM SEWER WITH COLLAR

EXISTING 8-INCH DUCTILE IRON SANITARY

225+00 | +50 | 226+00 | +50 | 227+00 | +50 | 228+00 | +50 | 229+00 | +50 | 230+00 | +50 | 231+00

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-002

SAS-14 4' DIA., COVER TYP MAD STA. 229+18.56/40.04'RT.

ABANDONED MMSD

MADISON WATER UTILITY

NOTES:

1. LATERAL LOCATION BASED UPON CCTV LOCATION. FIELD VERIFY ALL SANITARY LATERAL LOCATIONS. INSTALL ELECTRONIC MARKER BALL ABOVE EACH LATERAL. ABOVE PROPERTY LINE AND ABOVE LATERAL WYE.
2. COORDINATE SERVICE INTERRUPTIONS WITH THE CITY OF MADISON. SOME CONNECTIONS MAY NEED TO BE PERFORMED AT NIGHT TO MINIMIZE DISRUPTION TO UTILITY CUSTOMERS.
3. UNDERGROUND FACILITIES ANTICIPATED TO BE ABANDONED IN PLACE. (VERIFY WITH OWNER)
4. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS NEEDED FOR LATERALS. (MAX OF 4 SIDEWALK SQUARES PER LATERAL)
5. THE EXACT DIMENSIONS, DEPTH, AND MATERIAL TYPE FOR THE STEAM TUNNEL IS UNKNOWN. CONTRACTOR SHALL USE CAUTION WHILE WORKING IN THE VICINITY OF THE TUNNEL

126 LF 10" PVC @ 3.86%

SAS-10 4' DIA., COVER TYP MAD STA. 227+86.65/36.51'RT. INSTALL COMPRESSION COUPLING TO CONNECT TO EXISTING SANITARY SEWER

GP-14A

0709-133-1610-9 521 E. WASHINGTON AVE.

SLURRY FILL AND ABANDON EXISTING SEWER BETWEEN SAS 5248-004 AND SAS-11

RECONNECT SANITARY LATERAL 6-INCH. SANITARY LATERAL ELECTRONIC MARKERS (TYP.)

0709-133-0726-5 5 S. BLAIR ST

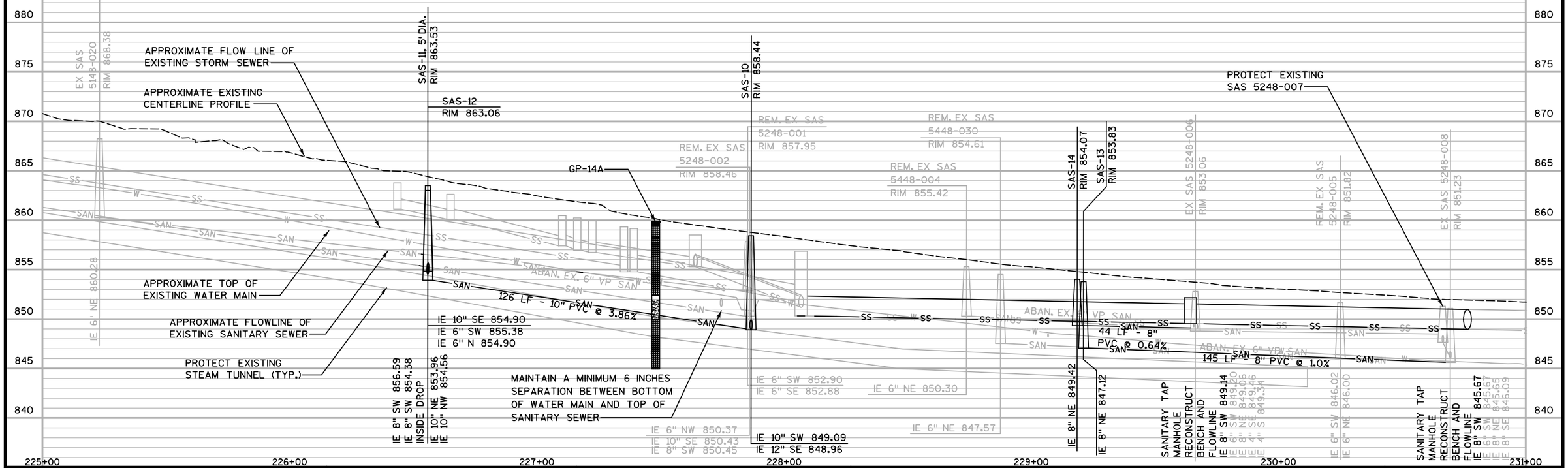
S BLAIR ST

REMOVE EXISTING SANITARY SEWER STRUCTURE SAS 5248-004

EX SAS 5248-006 STA. 229+66.33/39.87'RT SANITARY TAP SW SEWER INVERT FOR 8-INCH MAIN. RECONSTRUCT BENCH AND FLOWLINES

PROTECT EX SAS 5248-007

0709-133-0722-3 615 E. WASHINGTON AVE.



PROJECT NO: 5400-00-74	HWY: USH 151	COUNTY: DANE	SANITARY SEWER	SHEET	E

FILE NAME : S:\MAD\1000--1099\1089\930\Drawings\CAD\Micros\PLAN\PP_WASH_SAN1.dgn PLOT DATE : 7/30/2021 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

5400-00-74

Line	Item	Item Description	Unit	Total	Qty
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	189.000	189.000
0084	465.0125	Asphaltic Surface Temporary	TON	86.000	86.000
0086	465.0310	Asphaltic Curb	LF	170.000	170.000
0136	611.0535	Manhole Covers Type J-Special	EACH	15.000	15.000
0172	611.8120.S	Cover Plates Temporary	EACH	4.000	4.000
0176	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	10.000	10.000
0186	619.1000	Mobilization	EACH	0.100	0.100
0406	690.0250	Sawing Concrete	LF	575.000	575.000
0416	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	250.000	250.000
0418	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	370.000	370.000
0420	SPV.0035	Special 01. Abandon Sanitary Sewer-Slurry	CY	6.200	6.200
0428	SPV.0060	Special 04. Utility Line Opening (ULO)	EACH	5.000	5.000
0434	SPV.0060	Special 07. Slurry Backfill	EACH	5.000	5.000
0458	SPV.0060	Special 19. Project Dewatering, ID 5400-00-74	EACH	1.000	1.000
0460	SPV.0060	Special 20. Sewer Electronic Markers	EACH	54.000	54.000
0462	SPV.0060	Special 21. Sanitary Lateral Reconnect	EACH	26.000	26.000
0464	SPV.0060	Special 22. Sanitary Sewer Tap	EACH	18.000	18.000
0466	SPV.0060	Special 23. Sanitary Sewer Access Structure (4-Foot Diameter)	EACH	11.000	11.000
0468	SPV.0060	Special 24. External Sewer Access Structure Joint Seal	EACH	14.000	14.000
0470	SPV.0060	Special 25. Sanitary Sewer Internal Chimney Seal	EACH	5.000	5.000
0472	SPV.0060	Special 26. Remove Sanitary Sewer Access Structure	EACH	9.000	9.000
0474	SPV.0060	Special 27. Abandon Sanitary Sewer Access Structure	EACH	2.000	2.000
0476	SPV.0060	Special 28. Abandon Sanitary Sewer-Pipe Plug	EACH	4.000	4.000
0478	SPV.0060	Special 29. Sanitary Sewer Cleanout	EACH	1.000	1.000
0480	SPV.0060	Special 30. Wastewater Control	EACH	1.000	1.000
0482	SPV.0060	Special 31. Construction Staking Sanitary Sewer	EACH	1.000	1.000
0484	SPV.0060	Special 32. Adjust Water Valve Box Sections	EACH	30.000	30.000
0486	SPV.0060	Special 33. Sanitary Sewer Access Structure (5-Foot Diameter)	EACH	3.000	3.000
0488	SPV.0060	Special 34. Adjust Sanitary Sewer Access Structure Special	EACH	4.000	4.000
0490	SPV.0060	Special 35. Reconstruct Bench and Flowlines	EACH	3.000	3.000
0598	SPV.0090	Special 20. Sanitary Sewer Lateral	LF	743.000	743.000
0600	SPV.0090	Special 21. Sanitary Sewer Pipe PVC 8-Inch	LF	255.000	255.000
0602	SPV.0090	Special 22. Sanitary Sewer Pipe PVC 12-Inch	LF	1,186.000	1,186.000
0604	SPV.0090	Special 23. Sanitary Sewer Pressure Pipe (C900), 10-Inch	LF	194.000	194.000
0606	SPV.0090	Special 24. Select Fill For Sanitary Sewer	LF	2,378.000	2,378.000
0608	SPV.0090	Special 25. Sanitary Sewer 30-Inch Casing Pipe	LF	76.000	76.000
0622	SPV.0195	Special 01. Excavation, Hauling, and Disposal of Contaminated Soil	TON	300.000	300.000
0624	SPV.0200	Special 01. Construct Inside Drop, 8-Inch	VF	10.850	10.850

SANITARY SEWER PIPE SUMMARY

LOCATION (DOWNSTREAM)	LOCATION (UPSTREAM)	IE (DOWNSTREAM)	IE (UPSTREAM)	SLOPE (%)	SPV.0035.01 ABANDON SANITARY SEWER-SLURRY CY	SPV.0060.28 ABANDON SANITARY SEWER-PIPE PLUG EACH	SPV.0090.22 SANITARY SEWER PIPE PVC 12-INCH LF	SPV.0090.21 SANITARY SEWER PIPE PVC 8-INCH LF	SPV.0090.23 SANITARY SEWER PRESSURE PIPE (C900) 10-INCH LF	*SPV.0090.24 SELECT FILL FOR SANITARY SEWER LF	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	*465.0125 ASPHALTIC SURFACE TEMPORARY TON	*465.0310 ASPHALTIC CURB TON	*690.0250 SAWING CONCRETE LF
SAS 5249-005	SAS 5249-006	---	---	---	0.7	---	---	---	---	---	---	---	---	---
SAS-01	SAS 5249-006	842.86	843.04	0.50%	---	---	63	---	---	63	---	---	---	---
SAS 5249-015	SAS 5249-005	---	---	---	0.9	2	---	---	---	---	---	---	---	---
SAS 5249-015	SAS-01	842.45	842.84	0.50%	---	---	99	---	---	99	---	---	---	---
SAS 5249-015	SAS-02	843.21	845.90	7.50%	---	---	36	---	---	36	---	---	---	---
SAS 5249-015	SAS-03	---	---	---	0.8	---	---	---	---	---	---	---	---	---
SAS-04	SAS-03	843.44	844.73	0.50%	---	---	238	---	---	238	---	---	---	---
SAS-04	END LATERAL CAP	843.54	843.87	1.00%	---	---	---	33	---	33	7	3	10	27
SAS 5249-013	SAS-04	843.00	843.44	1.16%	---	---	38	---	---	38	---	---	---	---
SAS-05	SAS 5248-027	---	---	---	0.3	---	---	---	---	---	---	---	---	---
SAS-04	SAS-05	843.54	846.06	0.85%	---	---	297	---	---	297	---	---	---	---
SAS-05	SAS-06	846.16	846.38	0.85%	---	---	26	---	---	26	---	---	---	---
SAS 5248-027	SAS-06	---	---	---	0.1	---	---	---	---	---	---	---	---	---
SAS-06	SAS-07	846.48	846.87	0.85%	---	---	46	---	---	46	49	22	30	80
SAS-07	SAS-08	846.97	847.16	0.85%	---	---	22	---	---	22	---	---	---	---
SAS 5248-027	SAS-08	---	---	---	0.8	---	---	---	---	---	---	---	---	---
SAS-08	SAS-09	847.26	847.86	0.50%	---	---	121	---	---	121	---	---	---	---
SAS-09	END LATERAL CAP	847.96	848.29	1.00%	---	---	---	33	---	33	7	3	10	27
SAS-09	SAS-10	847.96	848.96	0.50%	---	---	200	---	---	200	45	18	---	90
SAS 5248-002	SAS 5248-001	---	---	---	0.5	---	---	---	---	---	---	---	---	---
SAS-10	SAS-11	849.09	853.96	3.86%	---	---	---	--	126	126	---	---	---	---
SAS-11	SAS-12	854.06	854.40	0.50%	---	---	---	---	68	68	9	4	---	27
SAS 5248-001	SAS-12	---	---	---	0.9	---	---	---	---	---	---	---	---	---
SAS 5248-002	SAS 5248-001	---	---	---	0.5	2	---	---	---	---	---	---	---	---
SAS-13	SAS 5248-030	---	---	---	0.4	---	---	---	---	---	---	---	---	---
SAS 5248-008	SAS-13	845.67	847.12	1.00%	---	---	---	145	---	145	---	---	---	---
SAS-14	SAS 5248-004	---	---	---	0.3	---	---	---	---	---	---	---	---	---
SAS 5248-006	SAS-14	848.94	849.42	1.00%	---	---	---	44	---	44	---	---	---	---
				TOTALS	6.2	4	1,186	255	194	1,635	117	50	50	251

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

SANITARY SEWER LATERALS SUMMARY

STATION	OFFSET AT MAIN CONNECTION	SPV.0060.20 SEWER ELECTRONIC MARKERS EACH	SPV.0060.21 SANITARY LATERAL RECONNECT EACH	SPV.0090.20 SANITARY SEWER LATERAL LF	*SPV.0090.24 SELECT FILL FOR SANITARY SEWER LF	*305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	*465.0125 ASPHALTIC SURFACE TEMPORARY TON	*465.0310 ASPHALTIC CURB TON	*690.0250 SAWING CONCRETE LF
50+58.94	0.8'LT	2	1	29	29	6	3	10	27
50+72.05	1.0'RT	2	1	30	30	6	3	10	27
51+35.30	1.0'RT	4	1	32	32	6	3	10	27
51+50.21 (8-INCH PVC)	17.6'RT	2	1	20	20	---	---	---	---
52+01.11	1.0'RT	2	1	29	29	6	3	10	27
53+33.32	1.0'RT	2	1	29	29	6	3	10	27
53+68.95	1.0'RT	2	1	29	29	6	3	10	27
53+96.23	1.0'RT	2	1	27	27	---	---	---	---
54+02.61	1.0'RT	2	1	29	29	6	3	10	27
54+20.98	1.0'RT	2	1	27	27	---	---	---	---
54+30.87	1.0'RT	2	1	27	27	---	---	---	---
54+45.21	1.0'RT	2	1	29	29	6	3	10	27
54+99.28	1.0'RT	2	1	29	29	6	3	10	27
56+97.63	2.3'RT	2	1	31	31	6	3	10	27
57+35.11	2.0'RT	2	1	27	27	---	---	---	---
57+66.45	1.5'RT	2	1	30	30	6	3	10	27
57+94.81	1.2'RT	2	1	27	27	---	---	---	---
58+29.54	1.0'RT	2	1	30	30	---	---	---	---
59+00.05	1.0'RT	2	1	45	45	---	---	---	---
59+08.09	1.0'RT	2	1	35	35	6	3	10	27
226+56.21	37.0'LT	2	1	35	35	---	---	---	---
229+15.31	42.0'LT	2	1	25	25	---	---	---	---
229+26.78	40.0'RT	2	1	25	25	---	---	---	---
229+45.32	40.0'RT	2	1	21	21	---	---	---	---
229+52.37	42.0'LT	2	1	20	20	---	---	---	---
229+65.41	40.0'LT	2	1	26	26	---	---	---	---
	TOTALS	54	26	743	743	72	36	120	324

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ALL QUANTITIES ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

SANITARY SEWER STRUCTURES SUMMARY

STRUCTURE NUMBER	STATION	LOCATION (OFFSET)	TOP OF CASTING	EXISTING TOP OF CASTING	IE	DEPTH	611.0535 MANHOLE COVERS TYPE J -SPECIAL EACH	SPV.0060.22 SANITARY SEWER TAP EACH	SPV.0060.23 SANITARY SEWER ACCESS STRUCTURE (4-FOOT DIAMETER) EACH	SPV.0060.24 EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL EACH	SPV.0060.25 SANITARY SEWER INTERNAL CHIMNEY SEAL EACH	SPV.0060.26 REMOVE SANITARY SEWER ACCESS STRUCTURE EACH	SPV.0060.27 ABANDON SANITARY SEWER ACCESS STRUCTURE EACH	SPV.0060.29 SANITARY SEWER CLEANOUT EACH	SPV.0060.33 SANITARY SEWER ACCESS STRUCTURE (5-FOOT DIAMETER) EACH	SPV.0060.35 RECONSTRUCT BENCH AND FLOWLINES EACH	SPV.0060.34 ADJUST SANITARY ACCESS STRUCTURE SPECIAL EACH
SAS 5249-006	49+13	63.15'RT	---	853.31	843.04	10.27	---	1	---	---	---	---	---	---	---	1	---
SAS 5249-005	49+12	7.13'RT	---	853.19	842.78	10.41	---	---	---	---	---	---	1	---	---	---	---
SAS-01	48+83	5.08'RT	853.08	---	842.84	10.24	1	---	1	1	---	---	---	---	---	---	---
SAS 5249-015	49+87	1.59'LT	---	853.33	840.59	12.74	1	2	---	---	---	---	---	---	---	---	1
SAS-02	49+78	39.90'LT	852.88	---	845.90	6.98	1	1	1	1	---	---	---	---	---	---	---
SAS-03	50+54	1.0'LT	853.49	---	844.73	8.76	1	---	1	1	1	---	---	---	---	---	---
SAS 5249-042	51+18	0.32'LT	---	853.46	846.27	7.19	---	---	---	---	---	1	---	---	---	---	---
SAS 5249-014	52+96	1.14'LT	---	853.62	840.56	13.06	---	---	---	---	---	1	---	---	---	---	---
SAS-04	52+97	1.0'RT	853.62	---	843.44	10.18	1	---	---	1	1	---	---	---	1	---	---
SAS 5249-013	52+97	42.60'RT	---	853.11	840.56	12.55	---	1	---	---	---	---	---	---	---	---	1
SAS-05	55+99	1.0'RT	859.34	---	846.06	13.28	1	---	1	1	---	---	---	---	---	---	---
SAS 5248-027	56+22	2.11'RT	---	859.64	847.82	11.82	---	---	---	---	---	---	1	---	---	---	---
SAS-06	56+22	18.27'LT	860.50	---	846.38	14.12	1	1	---	1	1	---	---	---	1	---	---
SAS-07	56+73	18.22'LT	859.83	---	846.87	12.96	1	---	1	1	---	---	---	---	---	---	---
SAS-08	56+90	2.4'RT	859.07	---	847.16	11.91	1	---	1	1	---	---	---	---	---	---	---
SAS-09	58+15	1.0'RT	858.32	---	847.86	10.46	1	---	1	1	1	---	---	---	---	---	---
SAS 5248-010	58+21	1.2'RT	---	858.31	848.99	9.32	---	---	---	---	---	1	---	---	---	---	---
SAS 5248-003	59+56	1.5'RT	---	858.10	848.99	9.11	---	---	---	---	---	1	---	---	---	---	---
SAS-10	60+20	1.0'RT	858.44	---	848.96	9.48	1	2	1	1	---	---	---	---	---	---	---
SAS-11	226+56	36.4'RT	863.53	---	853.96	9.57	1	1	---	1	1	---	---	---	1	---	---
SAS-12	226+56	36.5'LT	863.06	---	854.40	8.66	1	1	1	1	---	---	---	---	---	---	---
SAS 5248-001	227+85	35.78'LT	---	857.95	852.88	5.07	---	---	---	---	---	1	---	---	---	---	---
SAS 5248-002	227+86	36.54'RT	---	858.46	850.43	8.03	---	---	---	---	---	1	---	---	---	---	---
SAS 5248-004	228+74	40.20'RT	---	855.42	850.30	5.12	---	---	---	---	---	1	---	---	---	---	---
SAS 5248-030	228+88	44.64'LT	---	854.61	847.57	7.04	---	---	---	---	---	1	---	---	---	---	---
SAS-14	229+19	40.04'RT	854.07	---	849.42	4.65	1	1	1	1	---	---	---	---	---	---	---
SAS-13	229+21	41.52'LT	853.83	---	847.12	6.71	1	1	1	1	---	---	---	---	---	---	---
SAS 5248-006	229+66	39.87'RT	---	853.06	848.94	4.12	---	2	---	---	---	---	---	---	---	1	---
SAS 5248-030	230+25	44.5'LT	---	851.82	846.00	5.82	---	---	---	---	---	1	---	---	---	---	---
SAS 5248-005	230+70	43.77'RT	---	851.23	845.67	5.56	---	1	---	---	---	---	---	---	---	1	---
SAS CLEANOUT-01	49+82	21.55'LT	---	853.05	844.68	8.37	---	---	---	---	---	---	---	1	---	---	---
SAS 5249-012	52+71	19.56'RT	---	853.18	840.50	12.68	---	1	---	---	---	---	---	---	---	---	1
SAS 5249-041	51+48	17.84'RT	---	853.56	840.47	13.09	---	1	---	---	---	---	---	---	---	---	1
SAS 5249-013	52+97	42.60'RT	---	853.11	840.56	12.55	---	1	---	---	---	---	---	---	---	---	---
						TOTALS	15	18	11	14	5	9	2	1	3	3	4

612.0902.S
INSULATION BOARD POLYSTYRENE 2-INCH

LOCATION	SY
UNDISTRIBUTED	10

611.8120.S
COVER PLATES TEMPORARY

LOCATION	EACH
UNDISTRIBUTED	4

SPV.0090.25
SANITARY SEWER - 30-INCH CASING PIPE

LOCATION	LF
STA. 48+97.74 - STA. 49+73.11	76

SPV.0195.01
EXCAVATION, HAULING, AND DISPOSAL OF CONTAMINATED SOIL

LOCATION	TON
54+00 - 52+25	150
59+00 - 60+00	150
TOTAL	300

SPV.0060.07
SLURRY BACKFILL

LOCAITON	EACH
UNDISTRIBUTED	5

SPV.0060.19
PROJECT DEWATERING, ID 5400-00-74

LOCATION	EACH
UNDISTRIBUTED	1

SPV.0060.30
WASTEWATER CONTROL

LOCATION	EACH
UNDISTRIBUTED	1

SPV.0060.32
ADJUST WATER VALVE BOX SECTIONS

CATEGORY	LOCATION	EACH
0020	MACHINERY ROW/LAW PARK ACCESS	2
	EAST WILSON STREET	1
	SOUTH BLAIR STREET (USH 151)	20
	EAST WASHINGTON AVENUE (USH 151)	7
	TOTAL	30

SPV.0060.04
UTILITY LINE OPENING (ULO)

LOCATION	EACH
UNDISTRIBUTED	4
CAPTIOL STEAM TUNNEL	1
TOTAL	5

619.1000
MOBILIZATION

LOCATION	EACH
UNDISTRIBUTED	0.1

SPV.0060.31
CONSTRUCTION STAKING SANITARY SEWER

LOCATION	EACH
UNDISTRIBUTED	1

SPV.0200.01
CONSTRUCT INSIDE DROP

STRUCTURE NUMBER	8-INCH VF
SAS-06	1.96
SAS-11	2.21
EX SAS 5249-012	6.68
TOTAL	10.85

ALL QUANTITIES ARE CATEGORY 0010 UNLESS NOTED OTHERWISE.

Wisconsin Department of Transportation

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