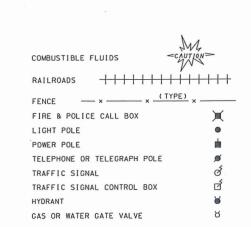
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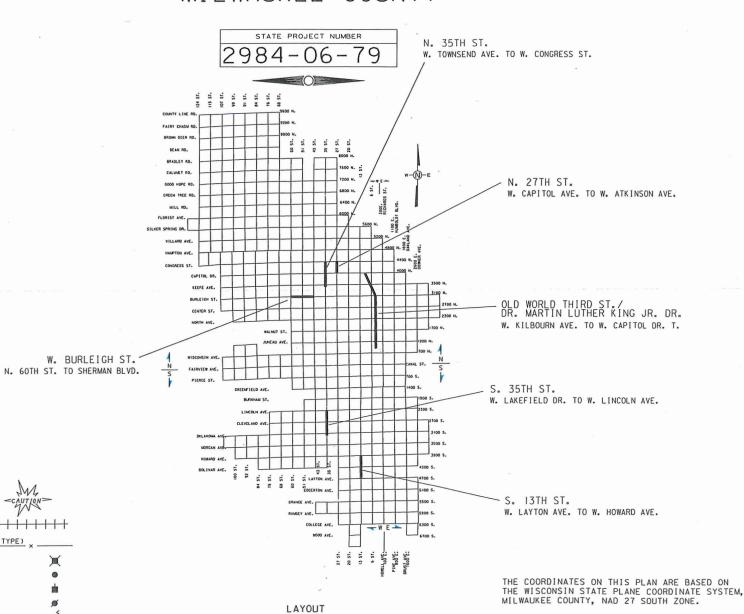


STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

HIGHWAY SAFETY IMPROVEMENT PROJECT ROAD DIET 6 LOCAL STREETS

NON - HIGHWAY MILWAUKEE COUNTY



1/4 MI.

TOTAL NET LENGTH OF CENTERLINE = NTS

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT WISC 2021262 2984-06-79

> Accepted For City of Milwaukee

sibner of Public Works

Original Plans Prepared By

JERREL KRUSCHKE 43536-6 MILWAUKEE

City Engineer

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PREPARED BY Surveyor

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE CITY OF MILWAUKEE DATUM.

TO CONVERT ELEVATIONS SHOWN ON THIS PLAN TO NATIONAL GEODEDIC VERTICAL DATUM OF 1929, ADD 580.603 TO ELEVATIONS SHOWN ON THIS PLAN.

City of Milwaukee City of Milwaukee Designer Project Manager ____ Greg Hafeman

Region Examiner _

Region Supervisor ____ Jeff Bohen C.O. Examiner .

APPROVED FOR THE DEPARTMENT

DATE: 02/03/2021

FILENAME: W:\SPR\2984-06-79 GABE\TITLE - REVISED 12-7-20.DGN

MANHOLES - SEWER | UTILITY (TYPE) |

GENERAL NOTES

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVIITES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGER'S HOTLINE.

CITY OF MILWAUKEE - SEWER AND WATER

MUSA ABU-KHADER 841 N. BROADWAY, RM 710 MILWAUKEE, WI 53202 PHONE: 414-286-2432

CITY OF MILWAUKEE - COMMUNICATIONS

DAVID HENKE 809 N. BROADWAY, RM 400 MILWAUKEE, WI 53202 PHONE: 414-286-3243

CITY OF MILWAUKEE - UNDERGROUND CONDUIT

KAREN ROGNEY 841 N. BROADWAY, RM. 501 MILWAUKEE, WI 53202 PHONE: 414-286-3243 karen.rogney@milwaukee.gov

CITY OF MILWAUKEE - IRRIGATION

JAMES KRINGER 841 N. BROADWAY RM 619 MILWAUKEE, WI 53202 PHONE: 414-708-2428

CITY OF MILWAUKEE - STREET LIGHTING

DENNIS MILLER 1540 WEST CANAL STREET MILWAUKEE, WI 53233 PHONE: 414-286-5942

CITY OF MILWAUKEE - TRAFFIC SIGNALS (CONSTRUCTION)

ALOHONZO NICHOLS 1540 W CANAL STREET, 2ND FLOOR MILWAUKEE, WI 53233 PHONE: 414-286-5941

CITY OF MILWAUKEE - TRAFFIC SIGNALS (OPERATIONS)

SCOTT REINBACHER 841 N. BROADWAY, RM 920 MILWAUKEE, WI 53202 PHONE: 414-286-6301

TIME WARNER CABLE

STEVE STORM
1320 N. DR. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
PHONE: 414-908-4789

LEVEL 3 COMMUNICATION

SASHA DEMAIN 3235 INTERTECH DR., SUITE 600 BROOKFIELD, WI 53045 PHONE: 414-908-1042

WE ENERGIES - GAS

PAUL HEBEIN 5400 N. GREEN BAY AVE. GLENDALE, WI 53209 PHONE: 414-688-7257

WE ENERGIES - ELECTRIC

KENNETH FRANECKI 500 S. II6TH ST. WEST ALLIS, WI 53214 PHONE: 414-944-5531

AT&T WISCONSIN

JEFF OLDENBURG 2005 PEWAUKEE RD WAUKESHA, WI 83188 PHONE: 262-896-7522

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT

DEBRA JENSEN 260 W. SEEBOTH ST. MILWAUKEE, WI 53204 PHONE: 414-225-2143

OTHER CONTACTS

MILWAUKEE COUNTY TRANSIT SYSTEM

MELANIE FLYNN 1942 N. 17TH ST. MILWAUKEE, WI 53205 PHONE: 414-343-1764

WISCONSIN DEPT. OF NATURAL RESOURCES

KRISTINA BETZOLD 2300 N. DR. MARTIN LUTHER KING JR. DR. MILWAUKEE, WI 53212-0436 PHONE: 414-263-8517

SEWRPC

JOHN WASHBURN
W239 N1812 ROCKWOOD DR.
P.O. BOX 1607
WAUKESHA, WI 53187
PHONE: 262-547-6721



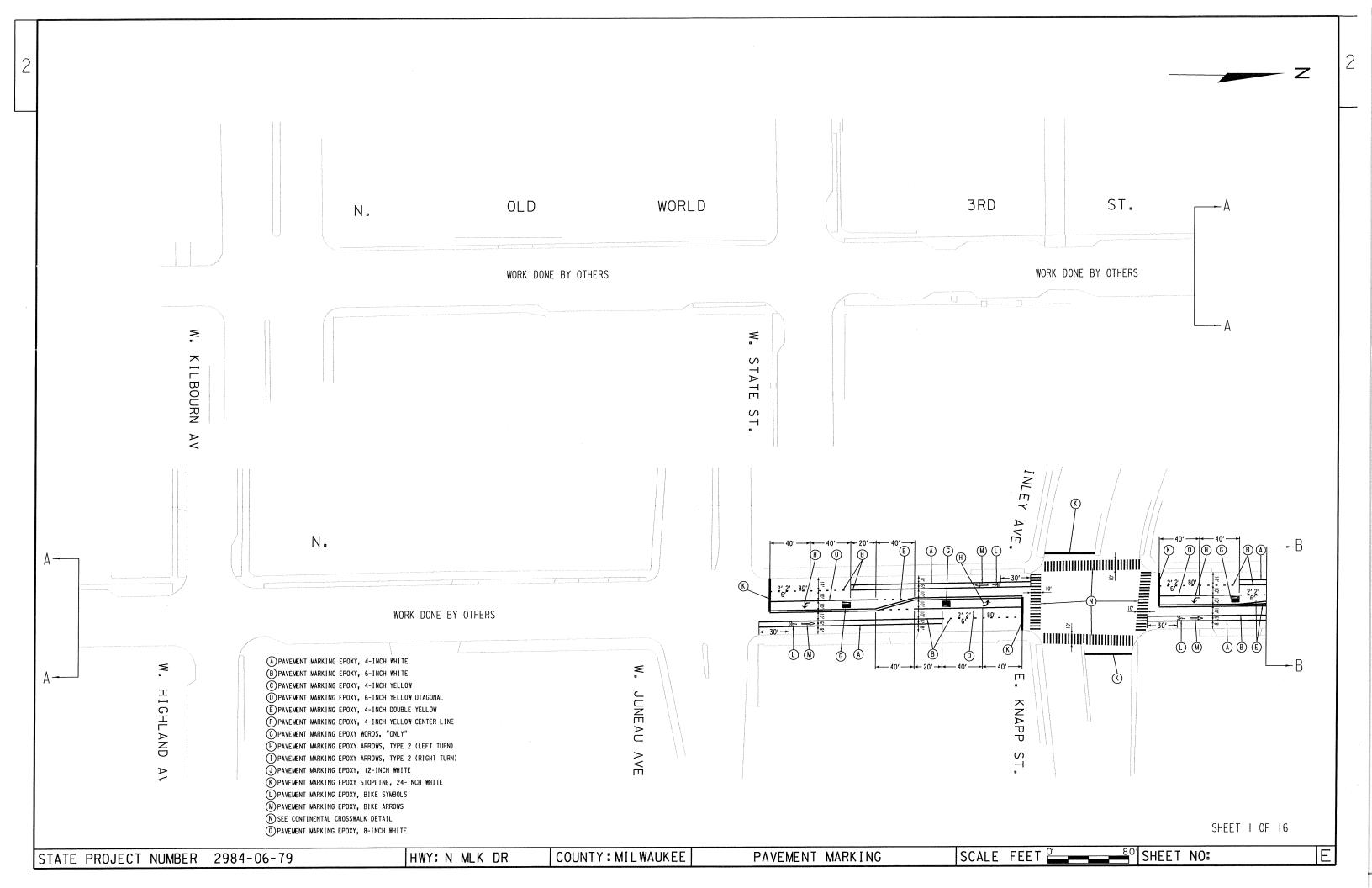
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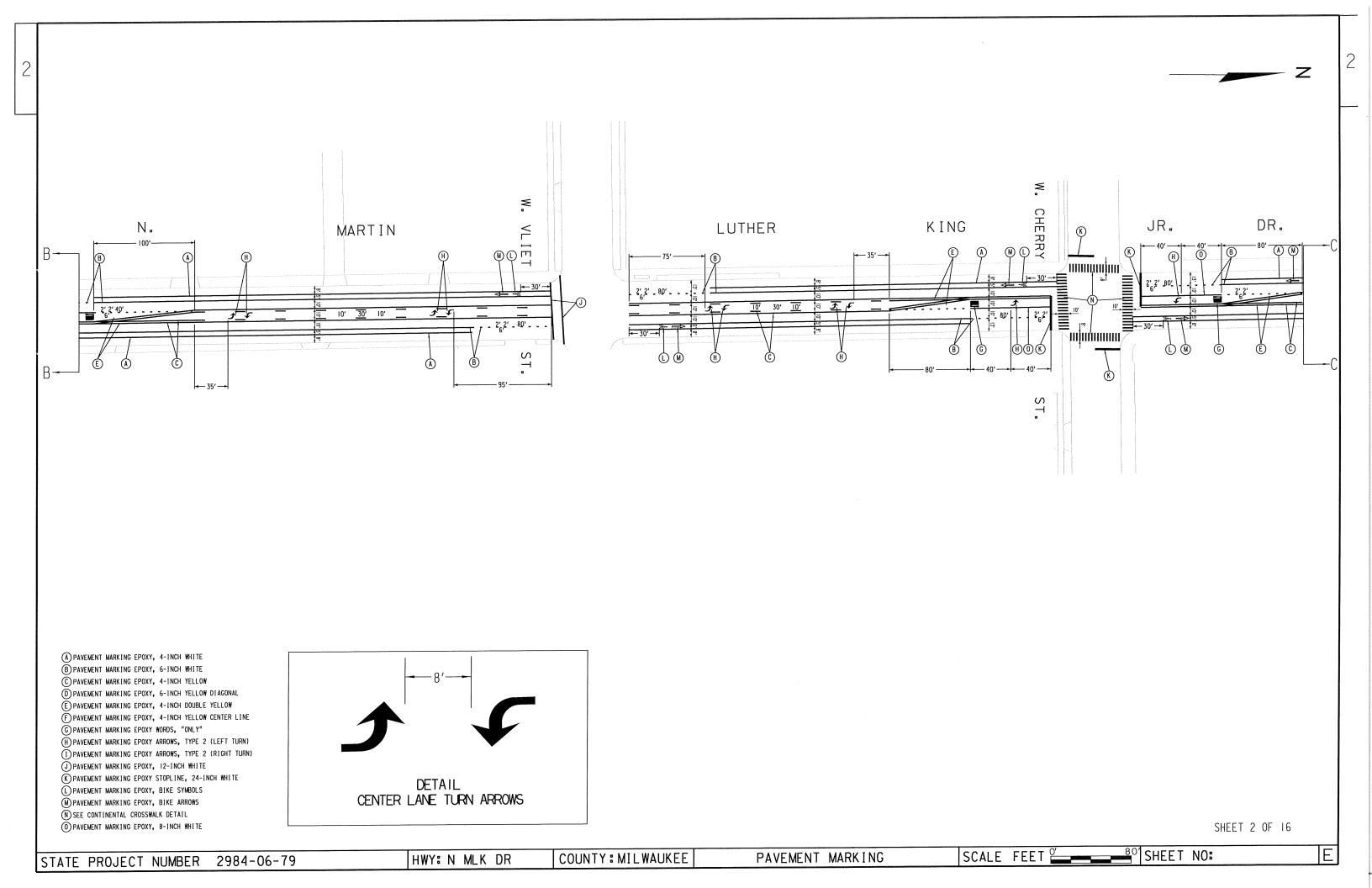
HWY: NON-HWY

COUNTY: MILWAUKEE UTILITY CONTACTS

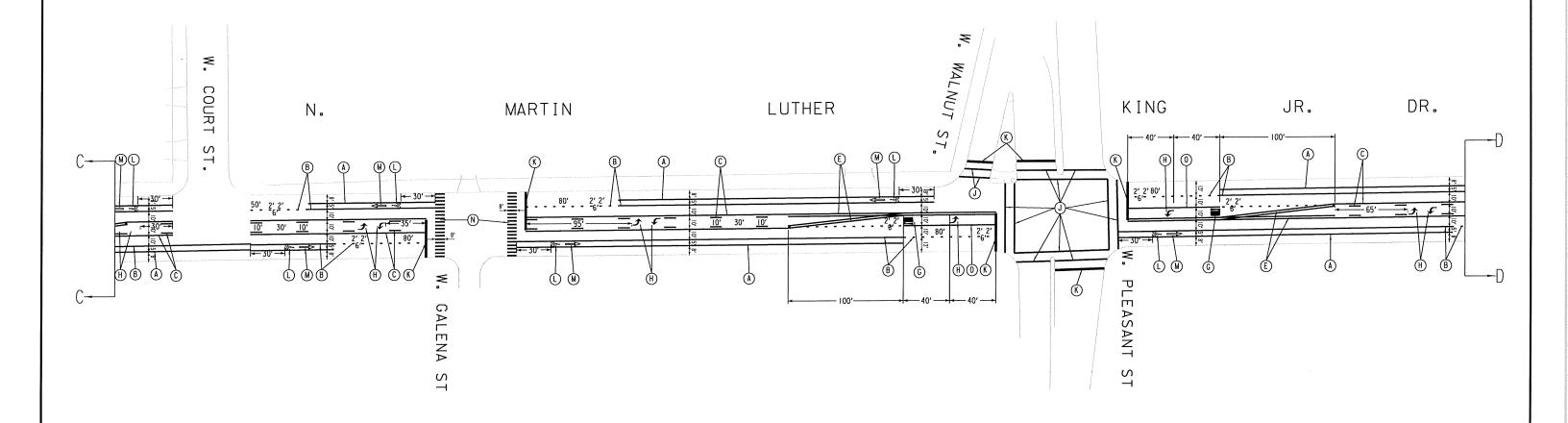
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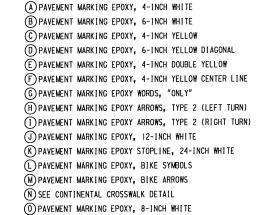
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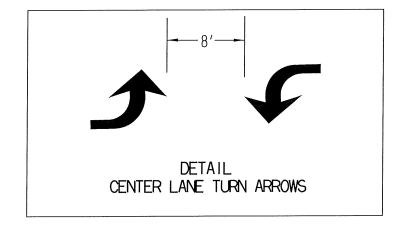






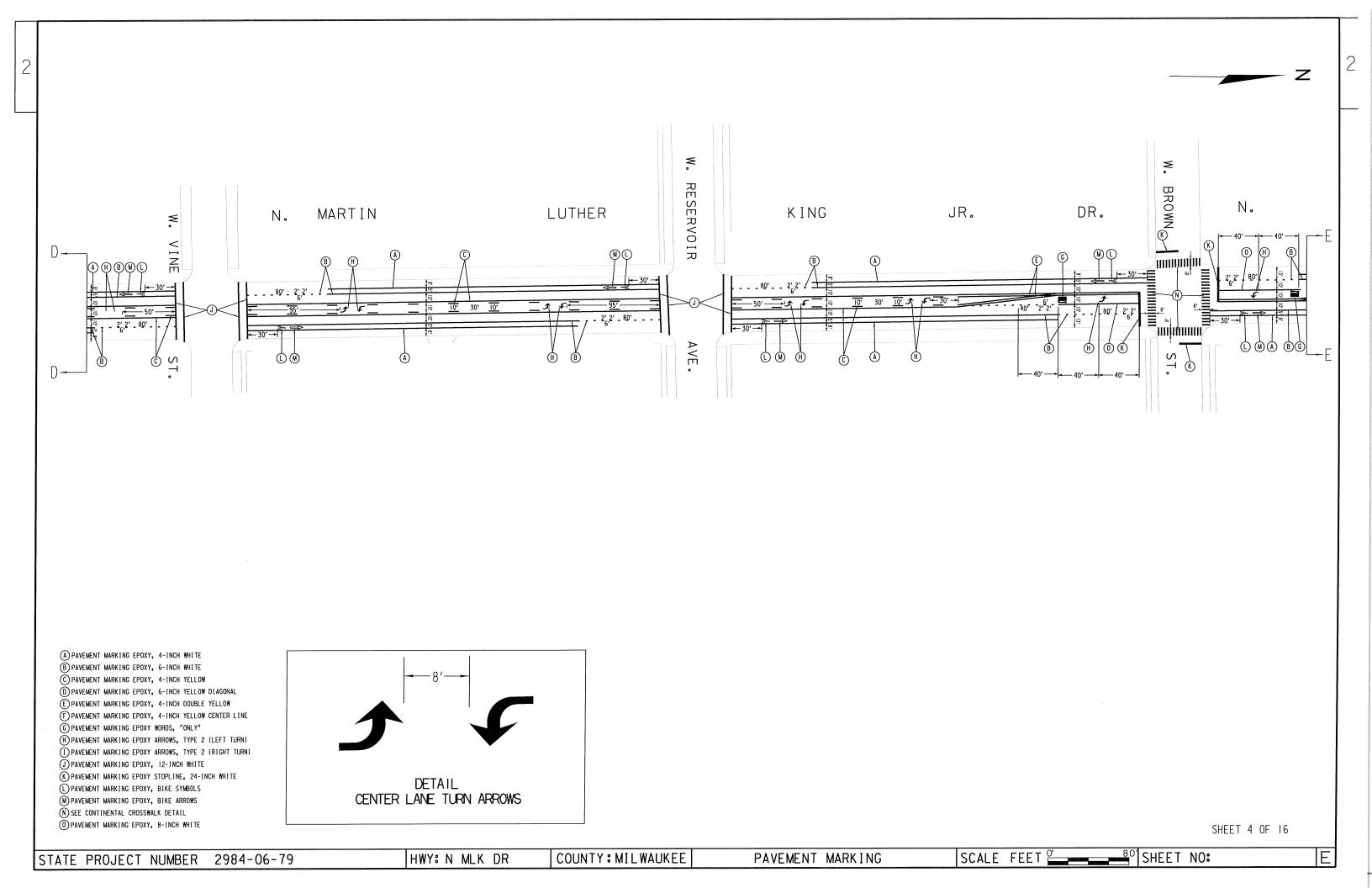




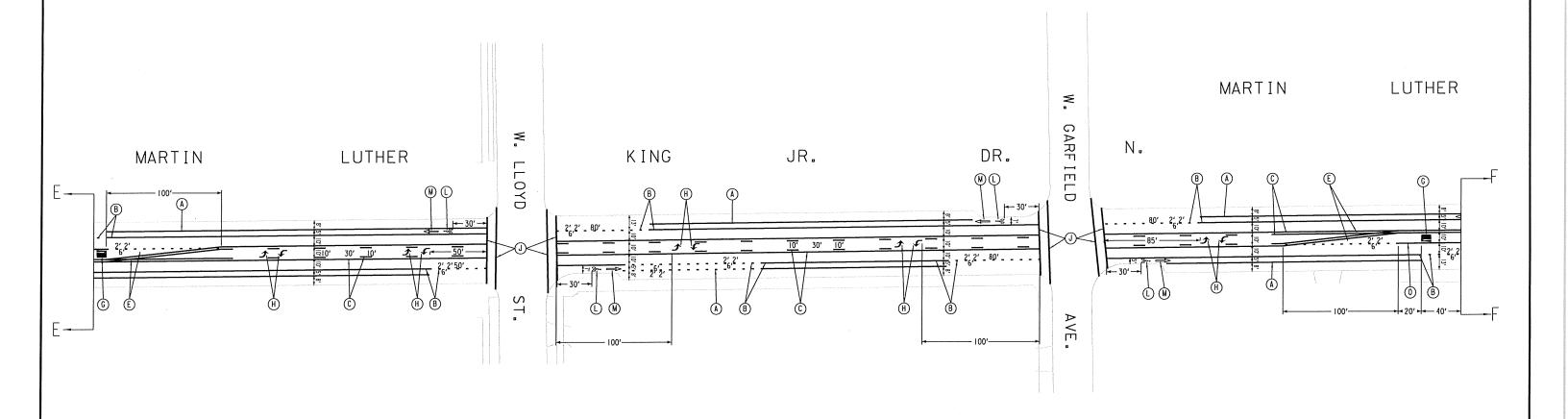


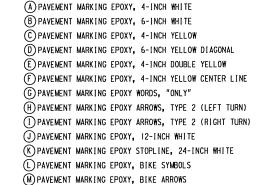
SHEET 3 OF 16

STATE PROJECT NUMBER 2984-06-79 HWY: N MLK DR COUNTY: MILWAUKEE PAVEMENT MARKING SCALE FEET O' 80 SHEET NO: E



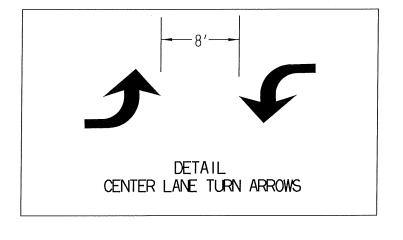






N SEE CONTINENTAL CROSSWALK DETAIL

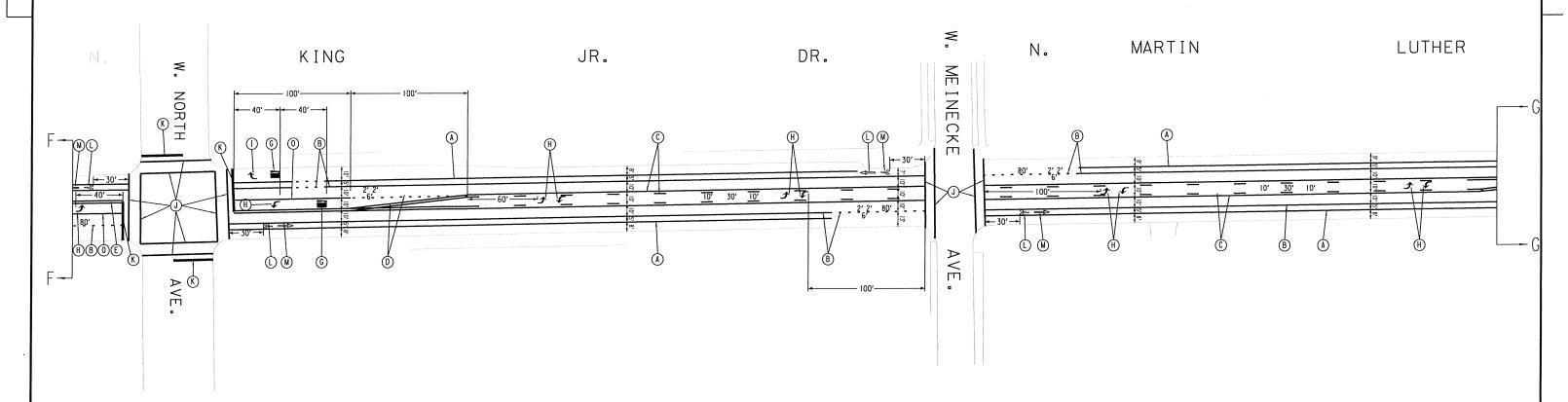
DAVEMENT MARKING EPOXY, 8-INCH WHITE



SHEET 5 OF 16







A PAVEMENT MARKING EPOXY, 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY, 6-INCH WHITE © PAVEMENT MARKING EPOXY, 4-INCH YELLOW

(D) PAVEMENT MARKING EPOXY, 6-INCH YELLOW DIAGONAL (E) PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

F PAVEMENT MARKING EPOXY, 4-INCH YELLOW CENTER LINE

(G) PAVEMENT MARKING EPOXY WORDS, "ONLY"

H) PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN) 1 PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (RIGHT TURN)

DPAVEMENT MARKING EPOXY, 12-INCH WHITE

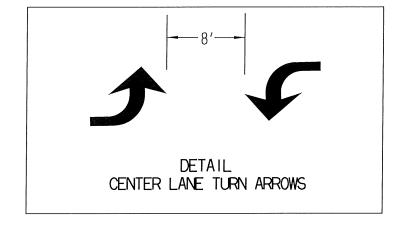
K PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

PAVEMENT MARKING EPOXY, BIKE SYMBOLS

M PAVEMENT MARKING EPOXY, BIKE ARROWS

(N) SEE CONTINENTAL CROSSWALK DETAIL

O PAVEMENT MARKING EPOXY, 8-INCH WHITE



SHEET 6 OF 16

STATE PROJECT NUMBER 2984-06-79

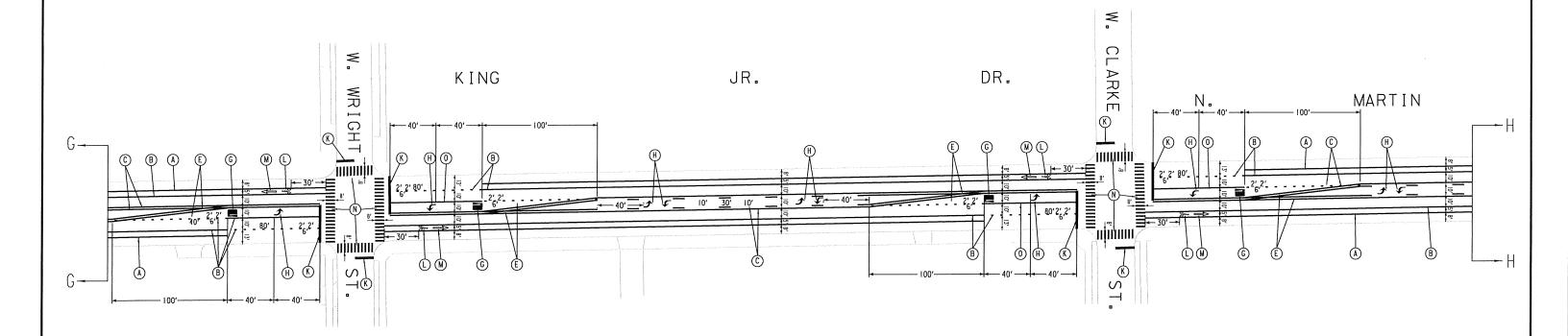
HWY: N MLK DR

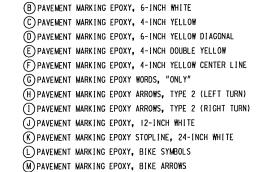
COUNTY: MILWAUKEE

PAVEMENT MARKING

SCALE FEET O' SHEET NO:

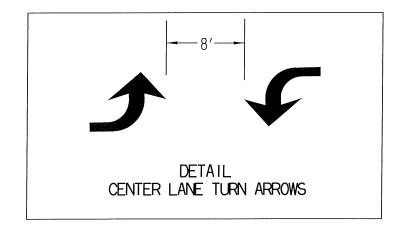






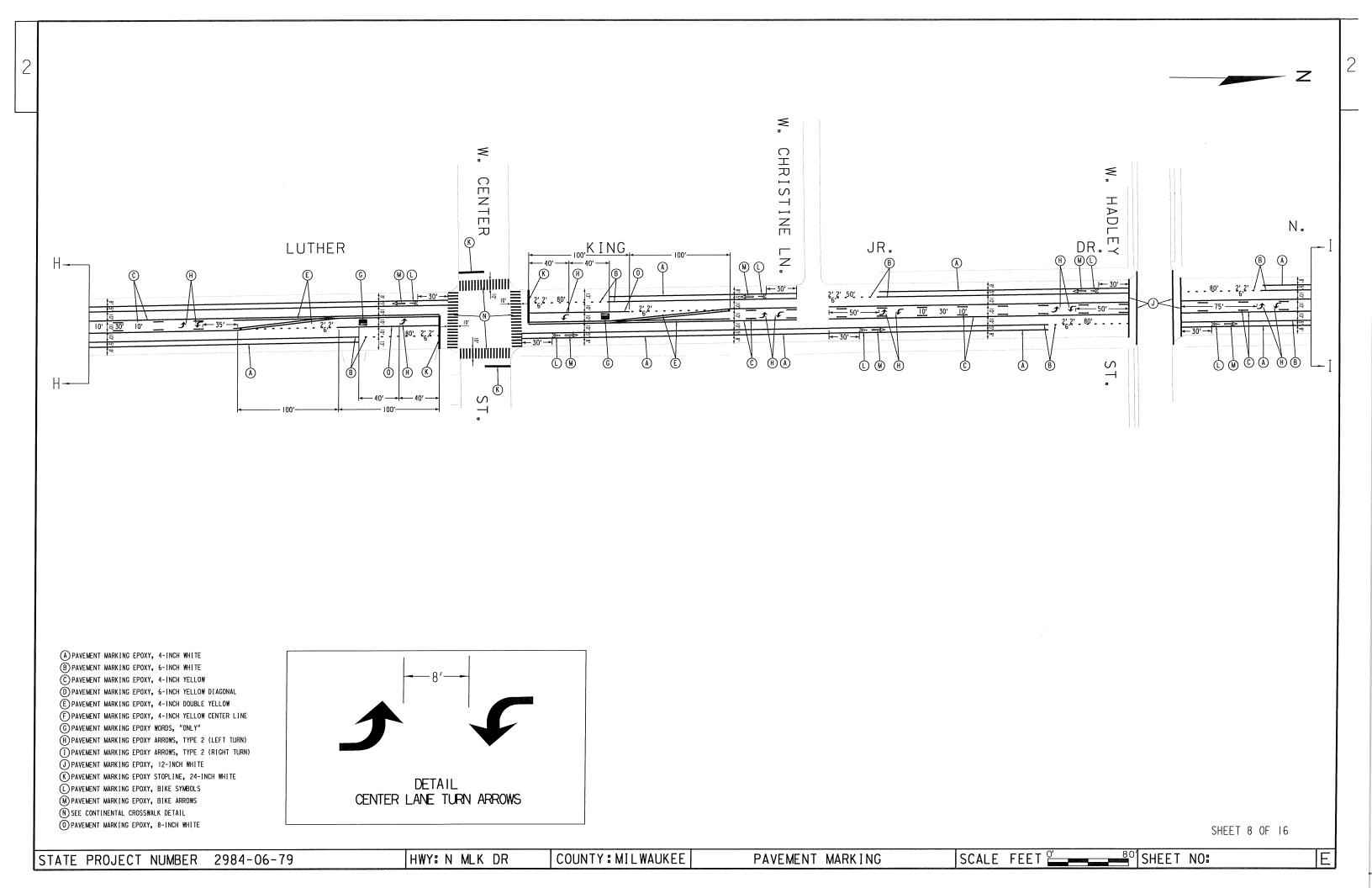
A PAVEMENT MARKING EPOXY, 4-INCH WHITE

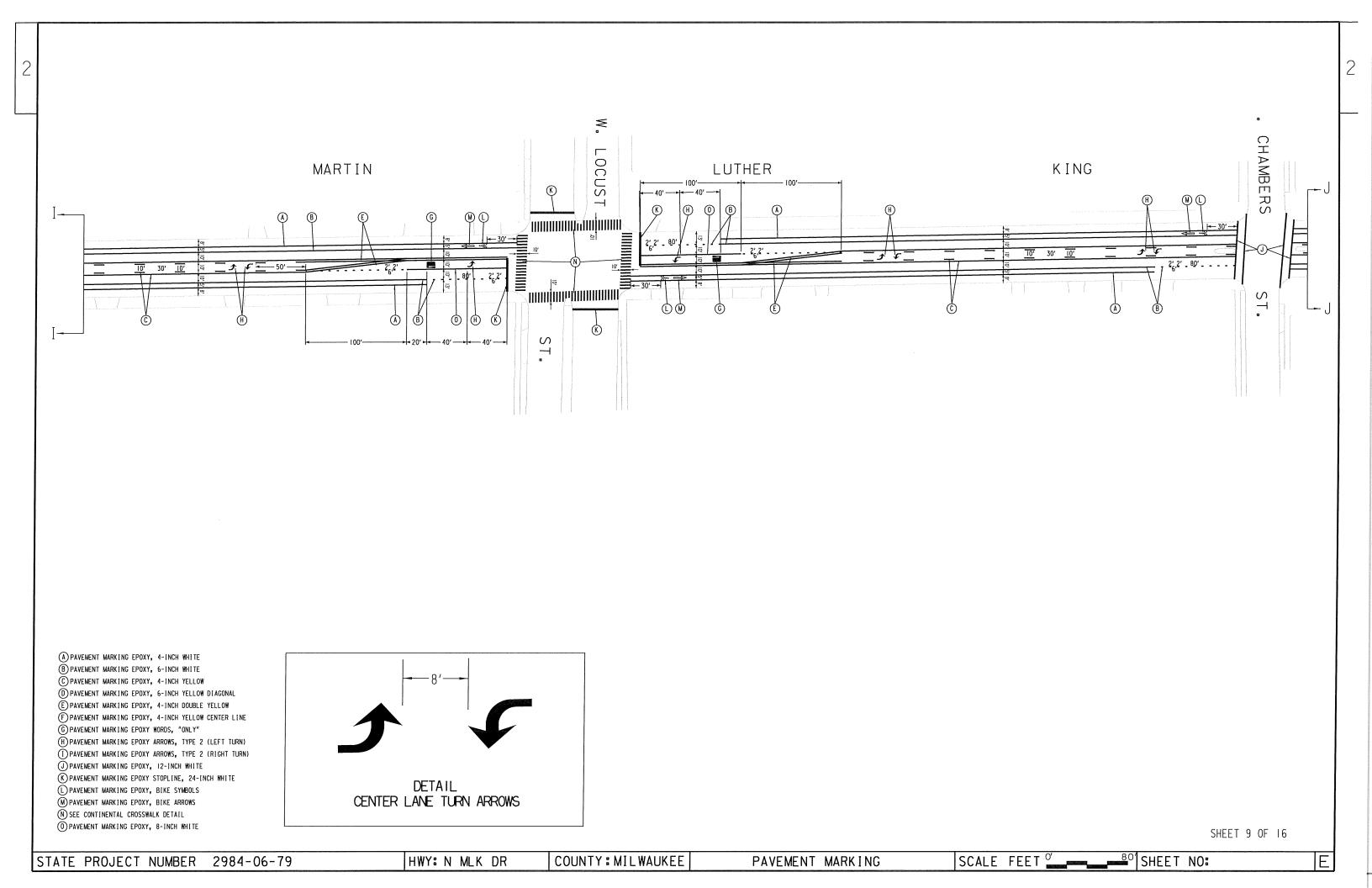
(N) SEE CONTINENTAL CROSSWALK DETAIL
(D) PAVEMENT MARKING EPOXY, 8-INCH WHITE

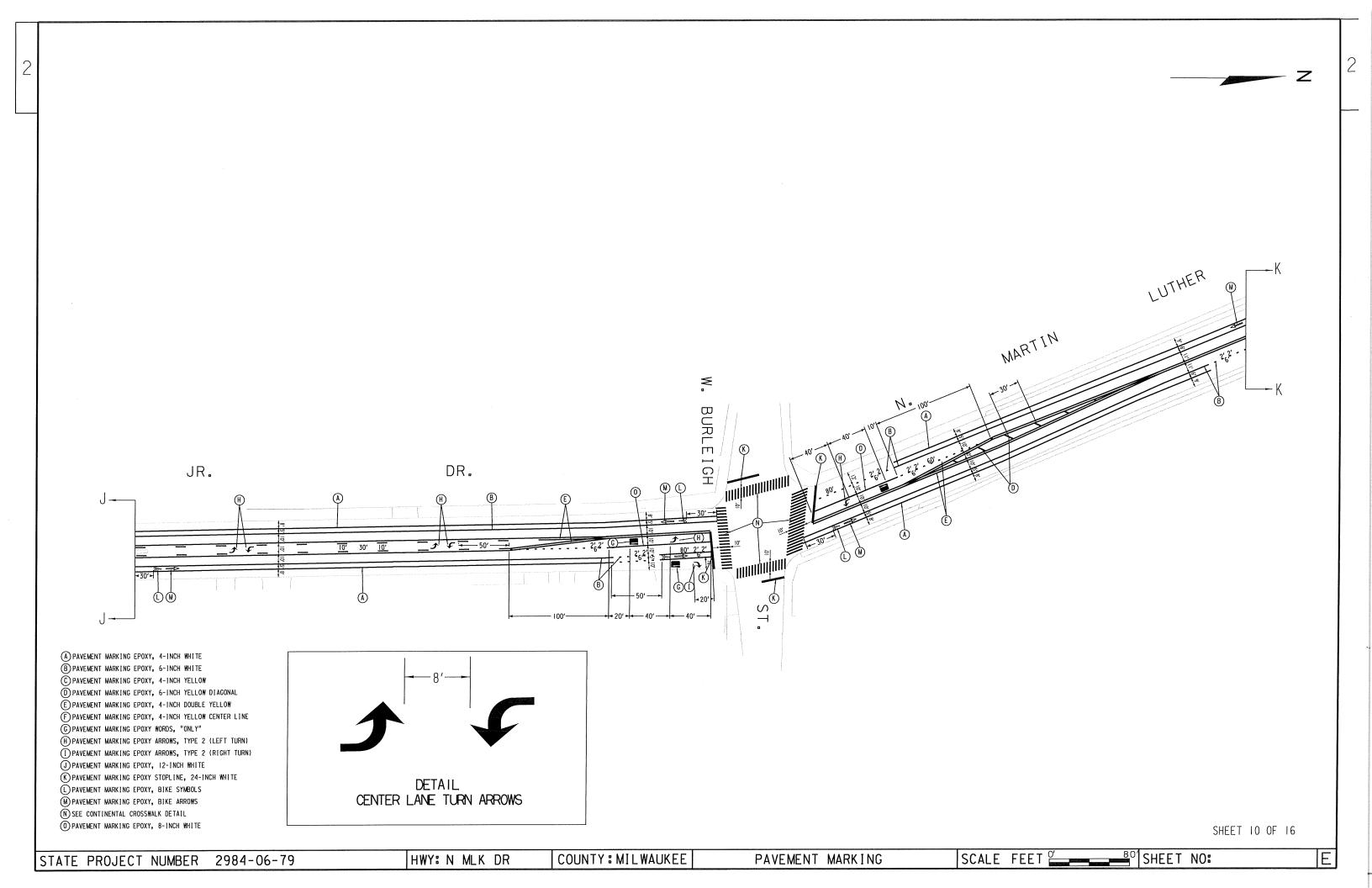


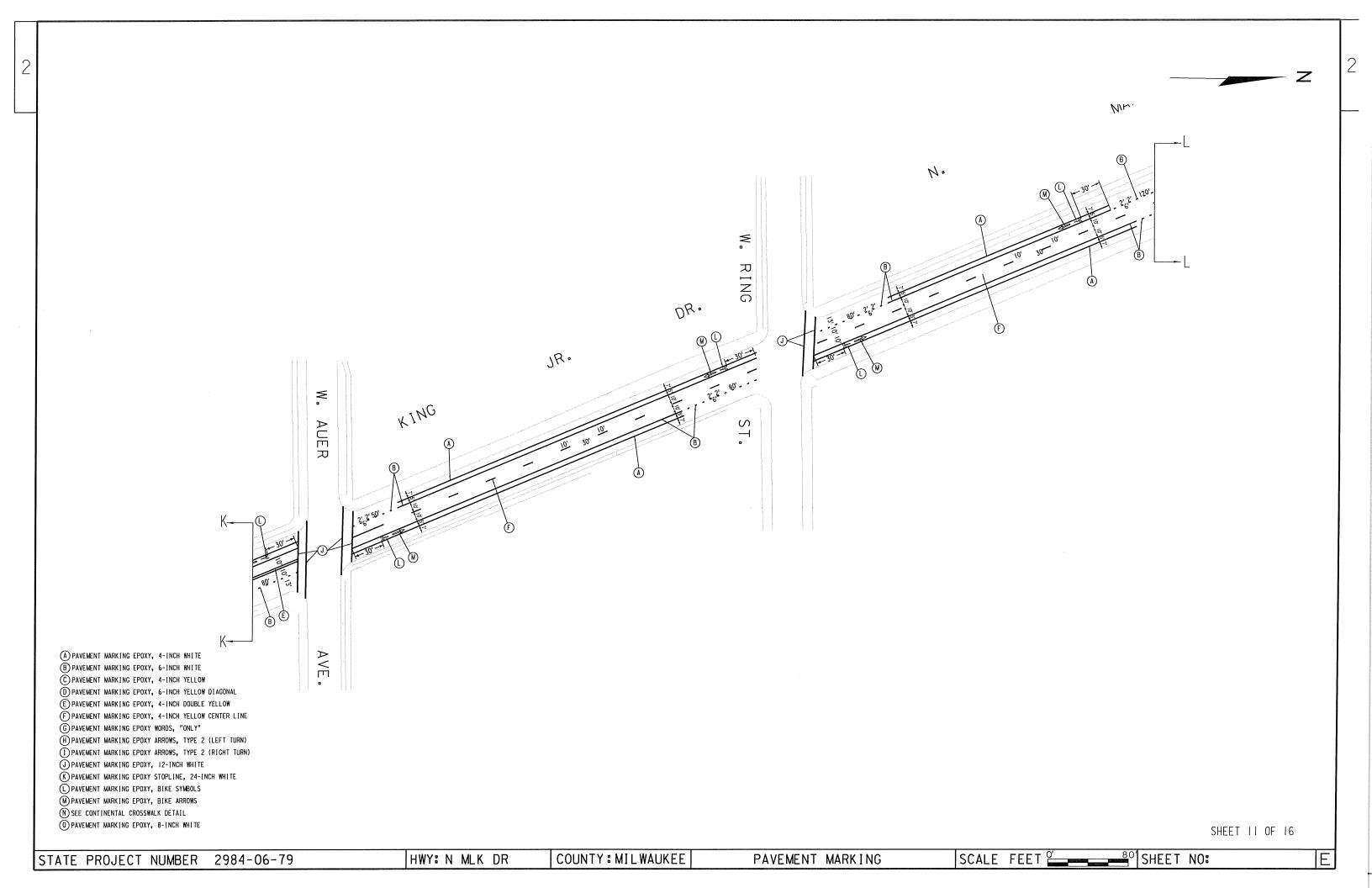
SHEET 7 OF 16

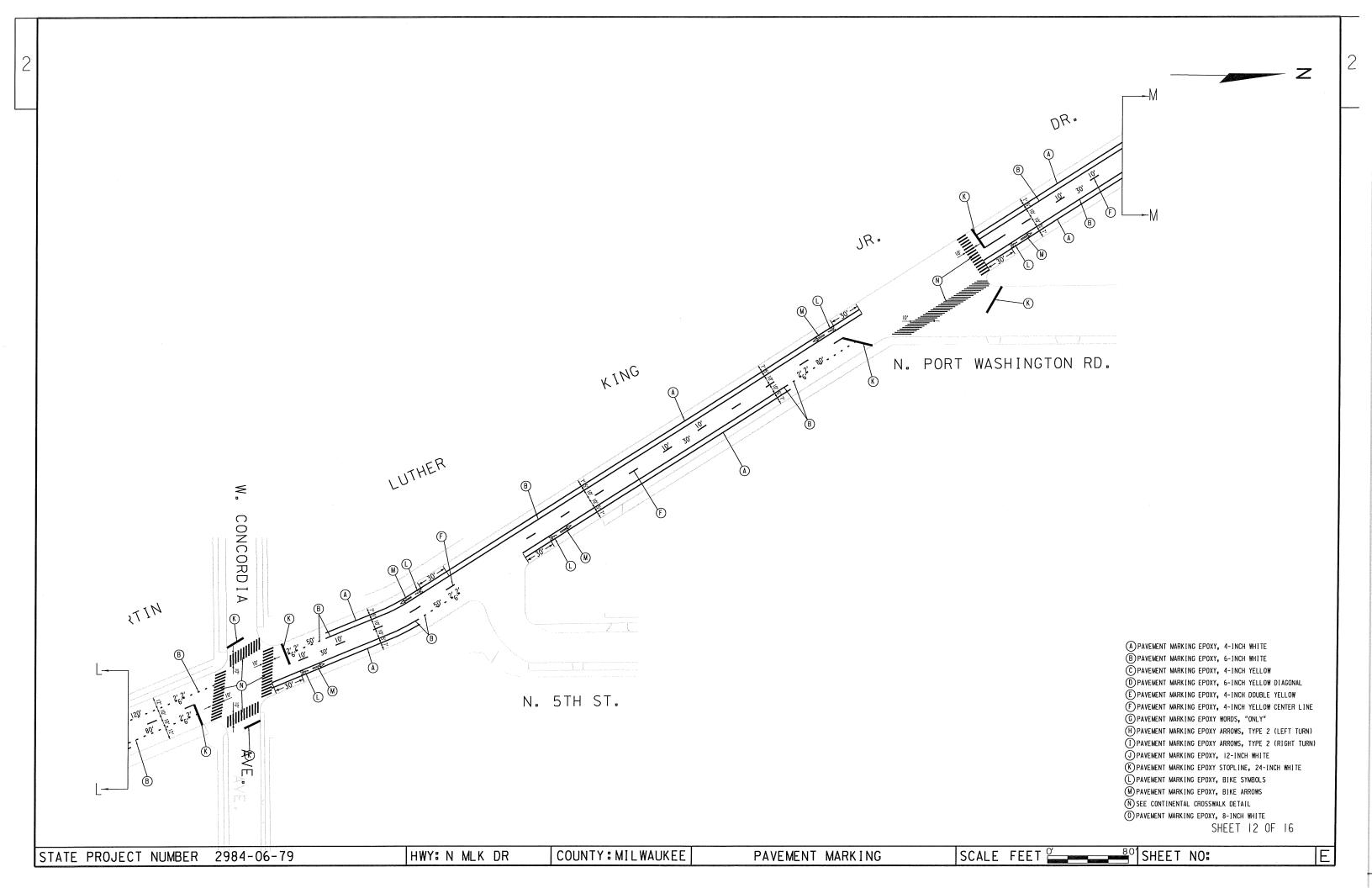
STATE PROJECT NUMBER 2984-06-79 HWY: N MLK DR COUNTY: MILWAUKEE PAVEMENT MARKING SCALE FEET "_______80 SHEET NO: E

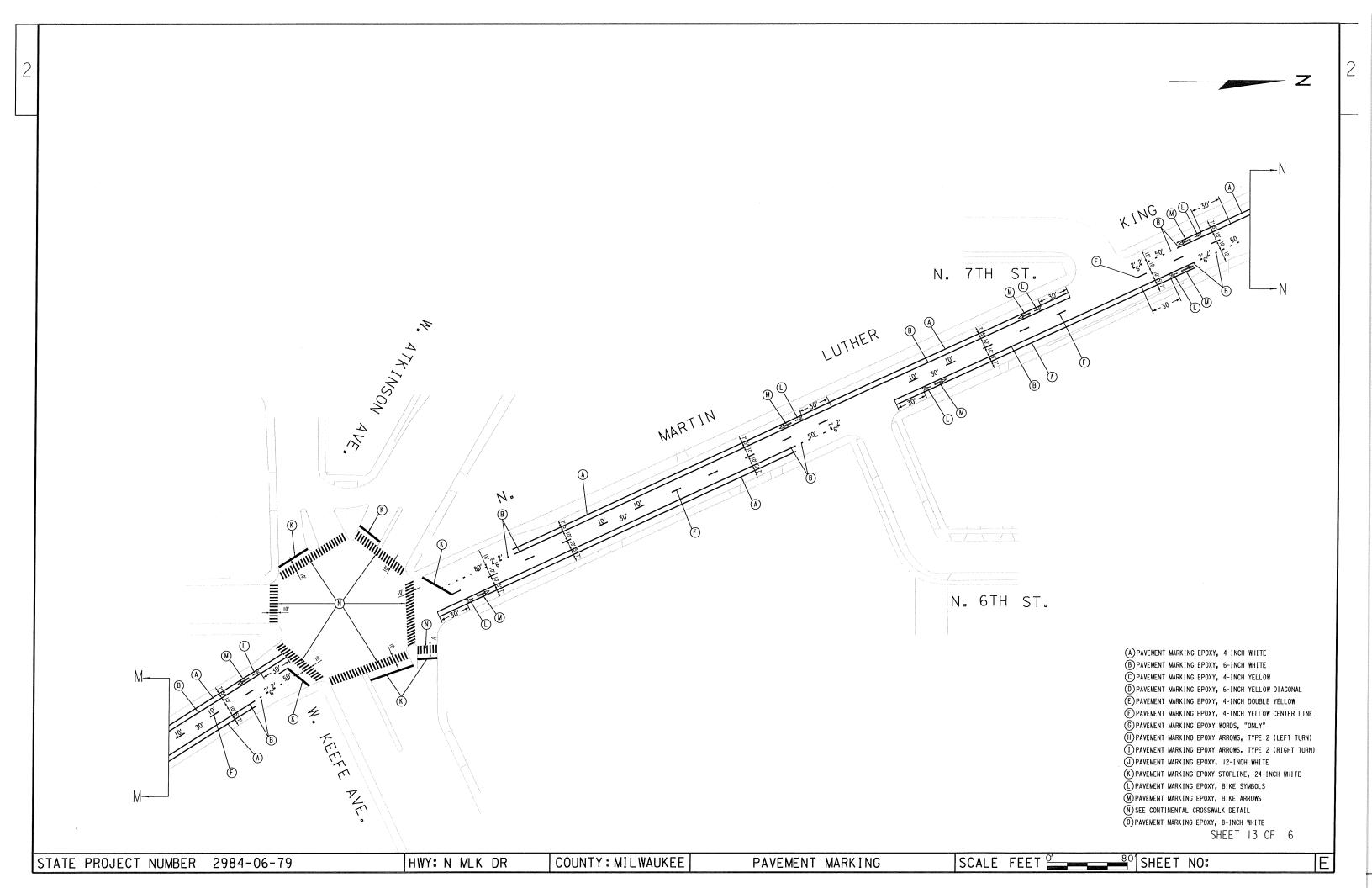


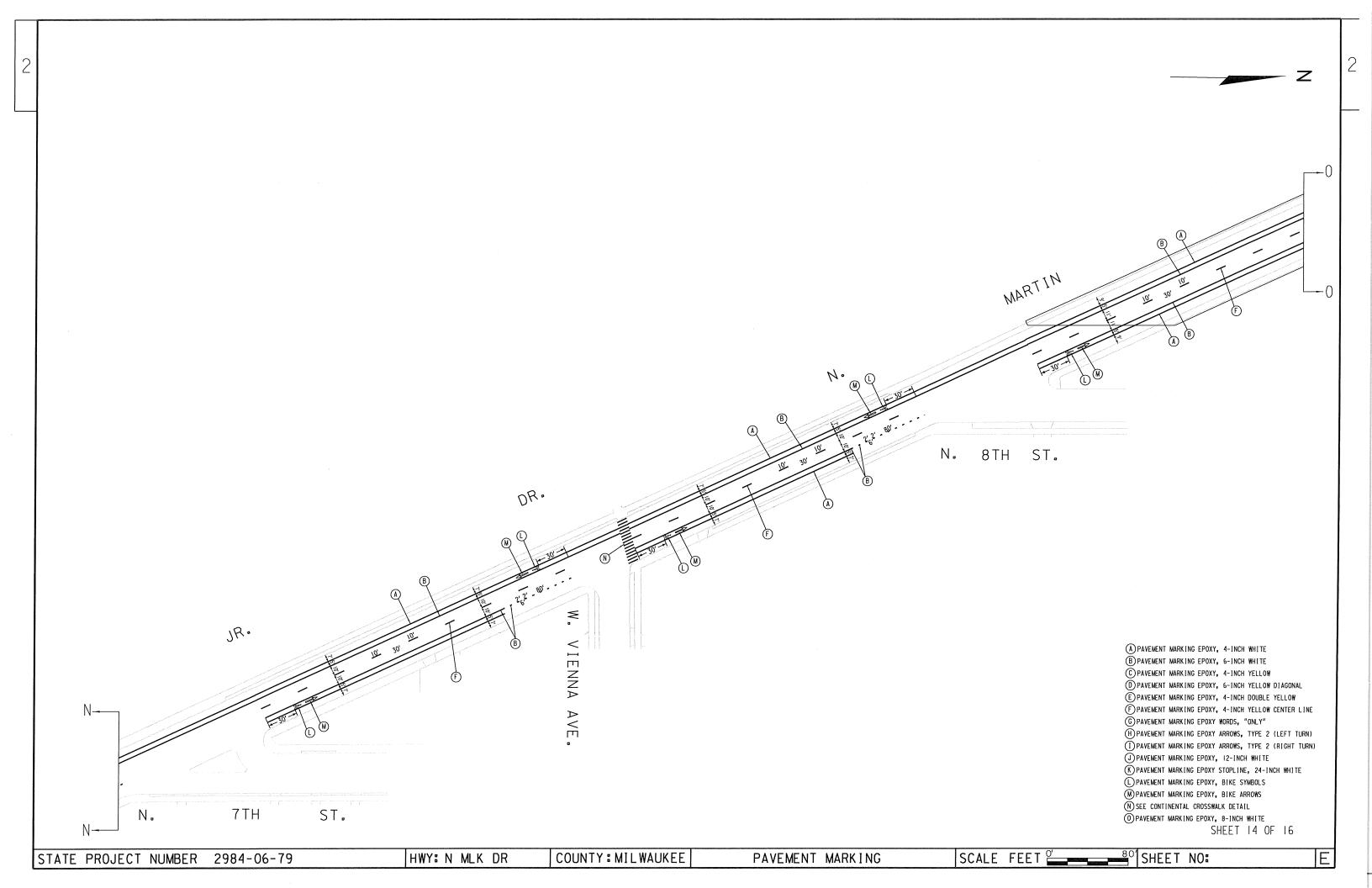


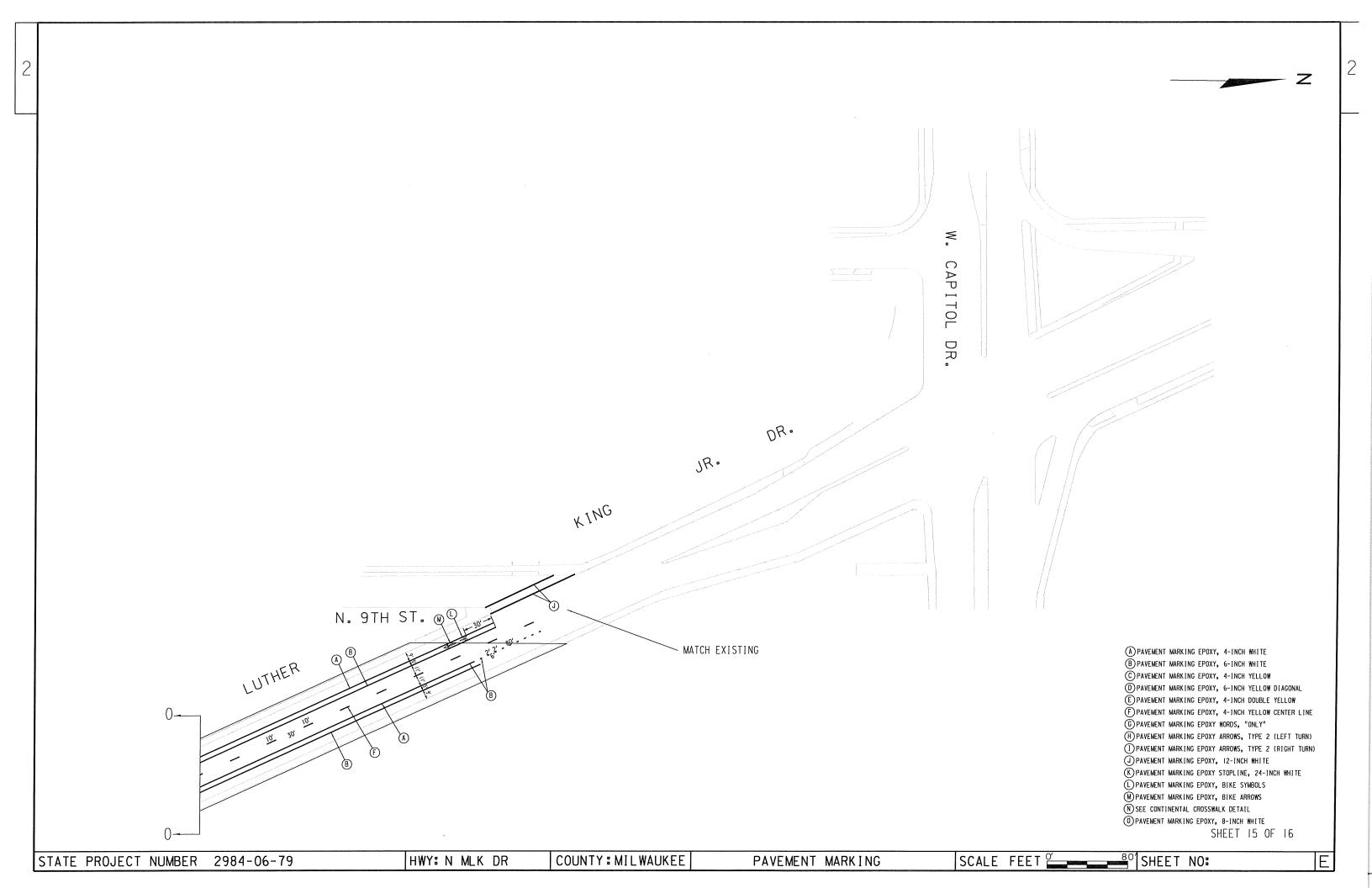


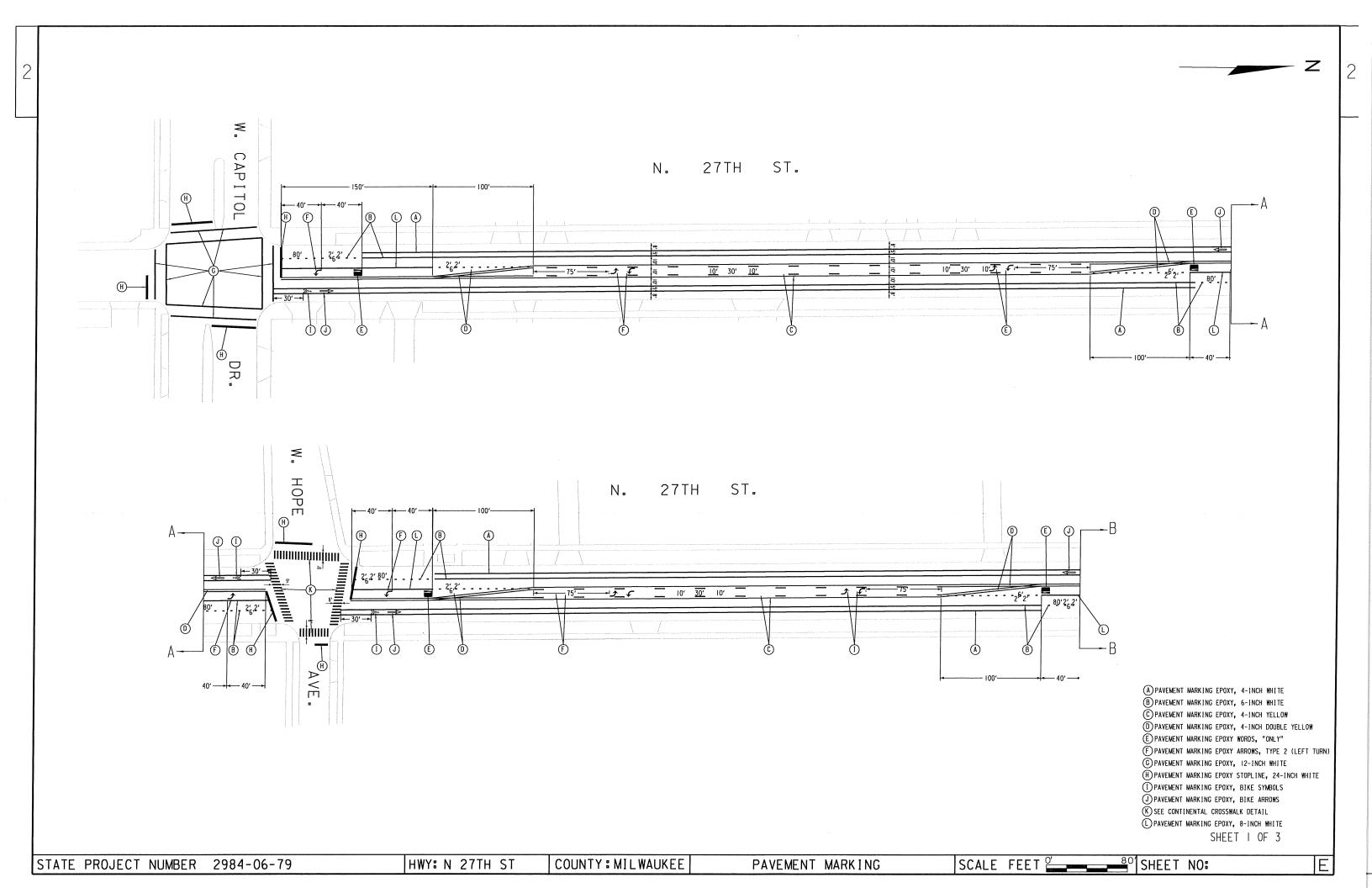




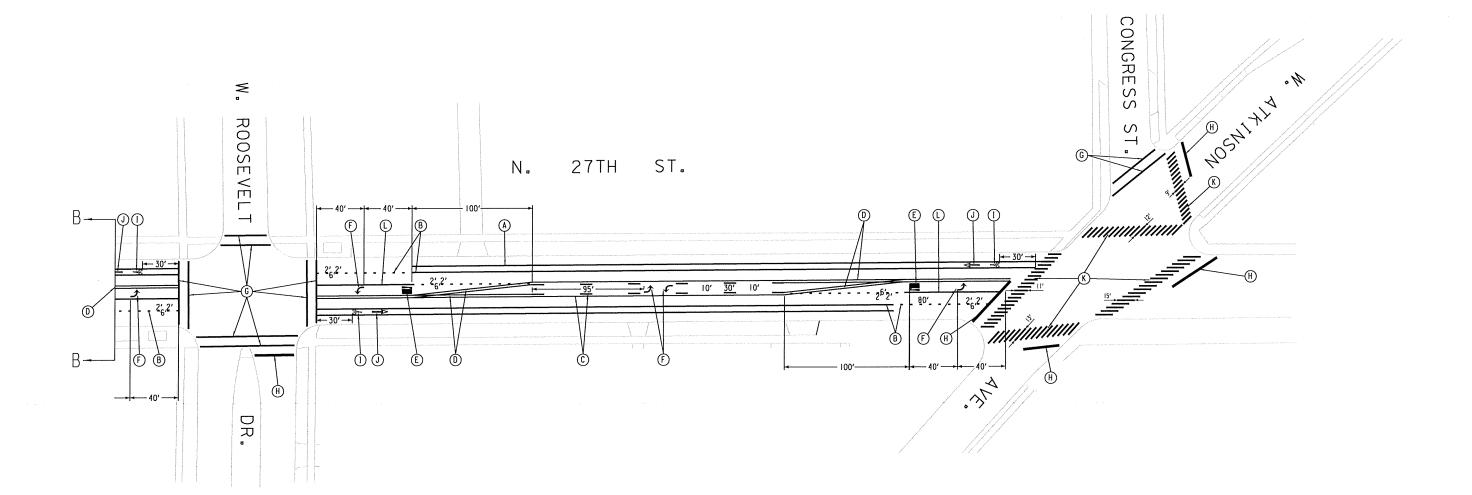












A PAVEMENT MARKING EPOXY, 4-INCH WHITE

B PAVEMENT MARKING EPOXY, 6-INCH WHITE

© PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

G PAVEMENT MARKING EPOXY, 12-INCH WHITE

H PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

1 PAVEMENT MARKING EPOXY, BIKE SYMBOLS

J PAVEMENT MARKING EPOXY, BIKE ARROWS

K SEE CONTINENTAL CROSSWALK DETAIL

L PAVEMENT MARKING EPOXY, 8-INCH WHITE

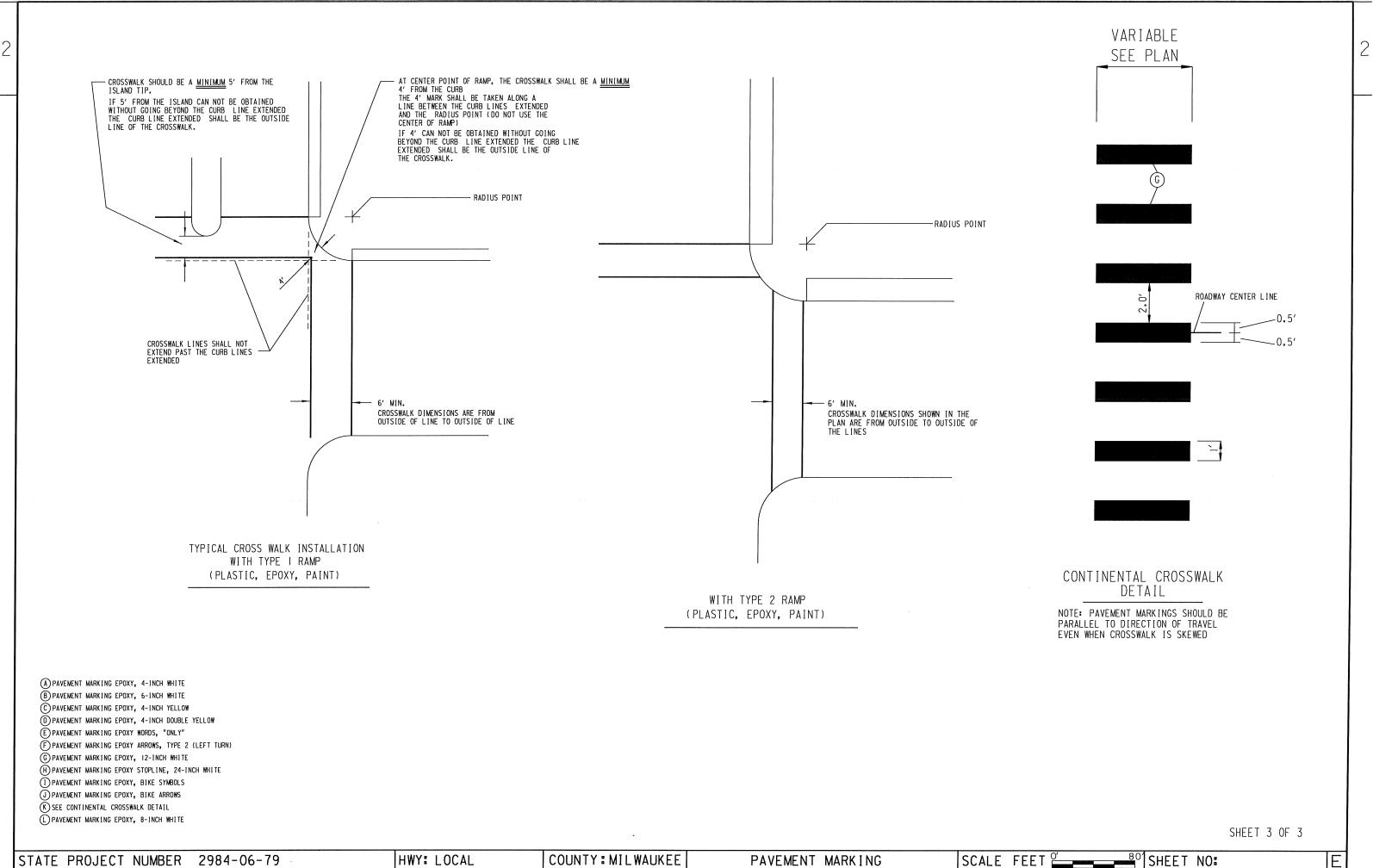
SHEET 2 OF 3

STATE PROJECT NUMBER 2984-06-79 HWY: N 27TH ST COUNTY: MILWAUKEE

PAVEMENT MARKING

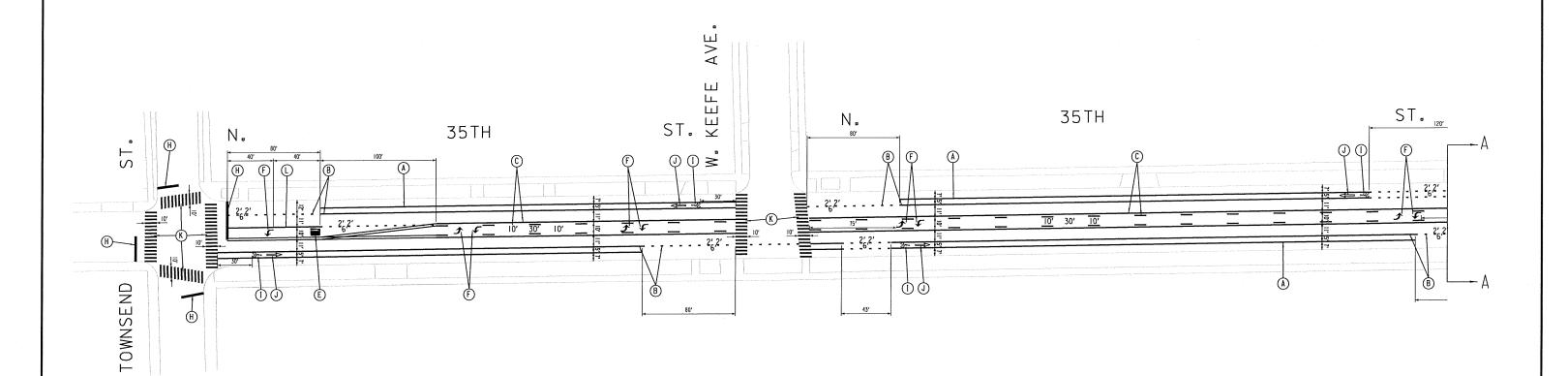
SCALE FEET O' SHEET NO:

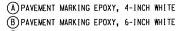
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SCALE FEET O' SHEET NO: STATE PROJECT NUMBER 2984-06-79 HWY: LOCAL COUNTY: MILWAUKEE PAVEMENT MARKING







`.

© PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

© PAVEMENT MARKING EPOXY, 12-INCH WHITE

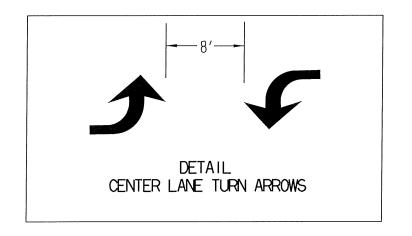
H PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

PAVEMENT MARKING EPOXY, BIKE SYMBOLS
 PAVEMENT MARKING EPOXY, BIKE ARROWS

K SEE CONTINENTAL CROSSWALK DETAIL

L PAVEMENT MARKING EPOXY, 8-INCH WHITE

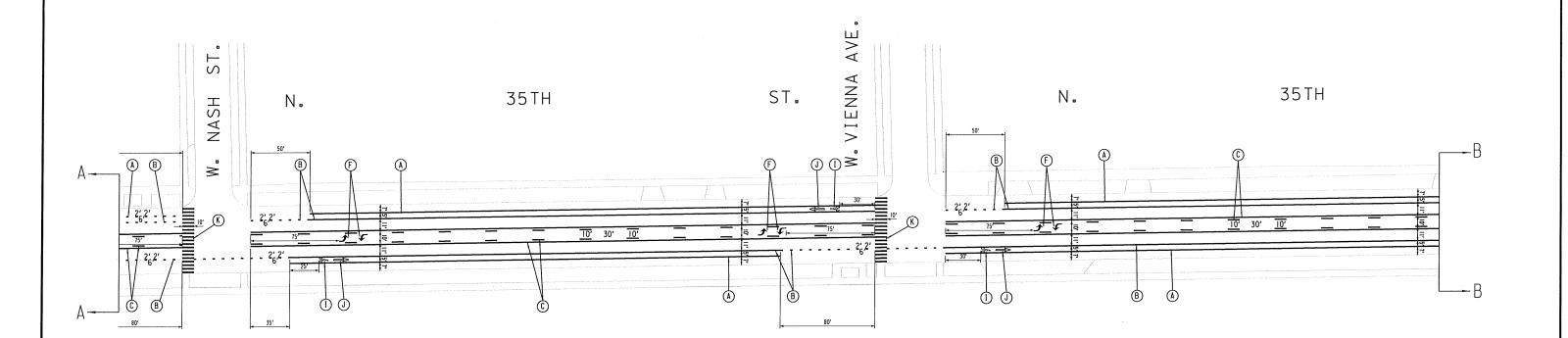
M PAVEMENT MARKING EPOXY, 6-INCH YELLOW DIAGONAL

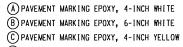


SHEET I OF 7

STATE PROJECT NUMBER 2984-06-79 HWY: N 35TH ST COUNTY: MILWAUKEE PAVEMENT MARKING SCALE FEET 6 SHEET NO:







D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY" F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

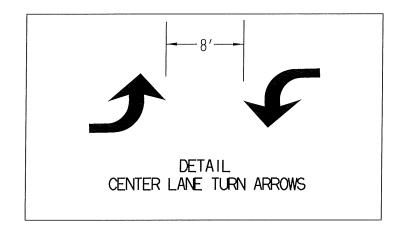
© PAVEMENT MARKING EPOXY, 12-1NCH WHITE H PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

1) PAVEMENT MARKING EPOXY, BIKE SYMBOLS

J PAVEMENT MARKING EPOXY, BIKE ARROWS K SEE CONTINENTAL CROSSWALK DETAIL

L PAVEMENT MARKING EPOXY, 8-INCH WHITE

M PAVEMENT MARKING EPOXY, 6-INCH YELLOW DIAGONAL



SHEET 2 OF 7

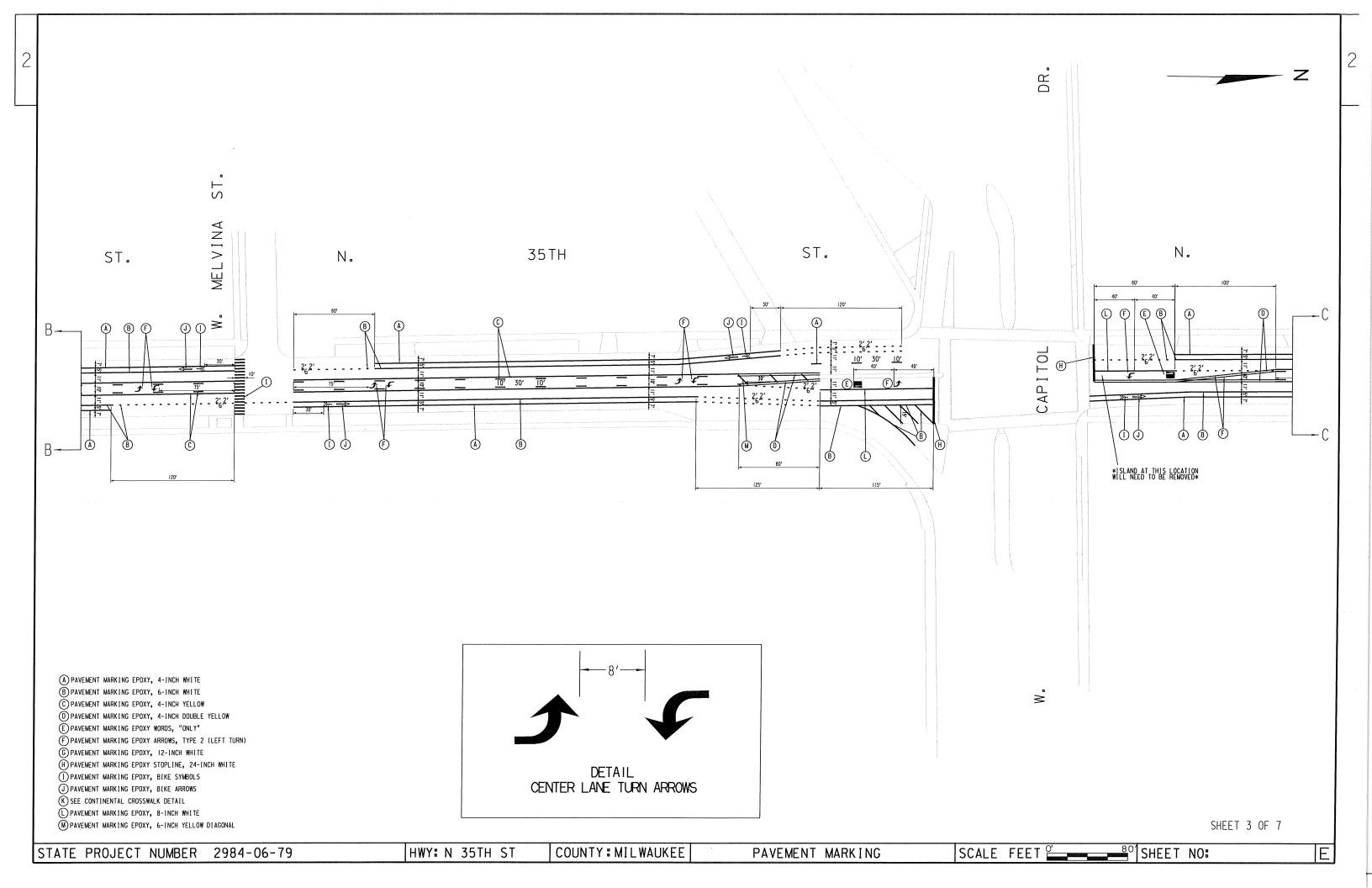
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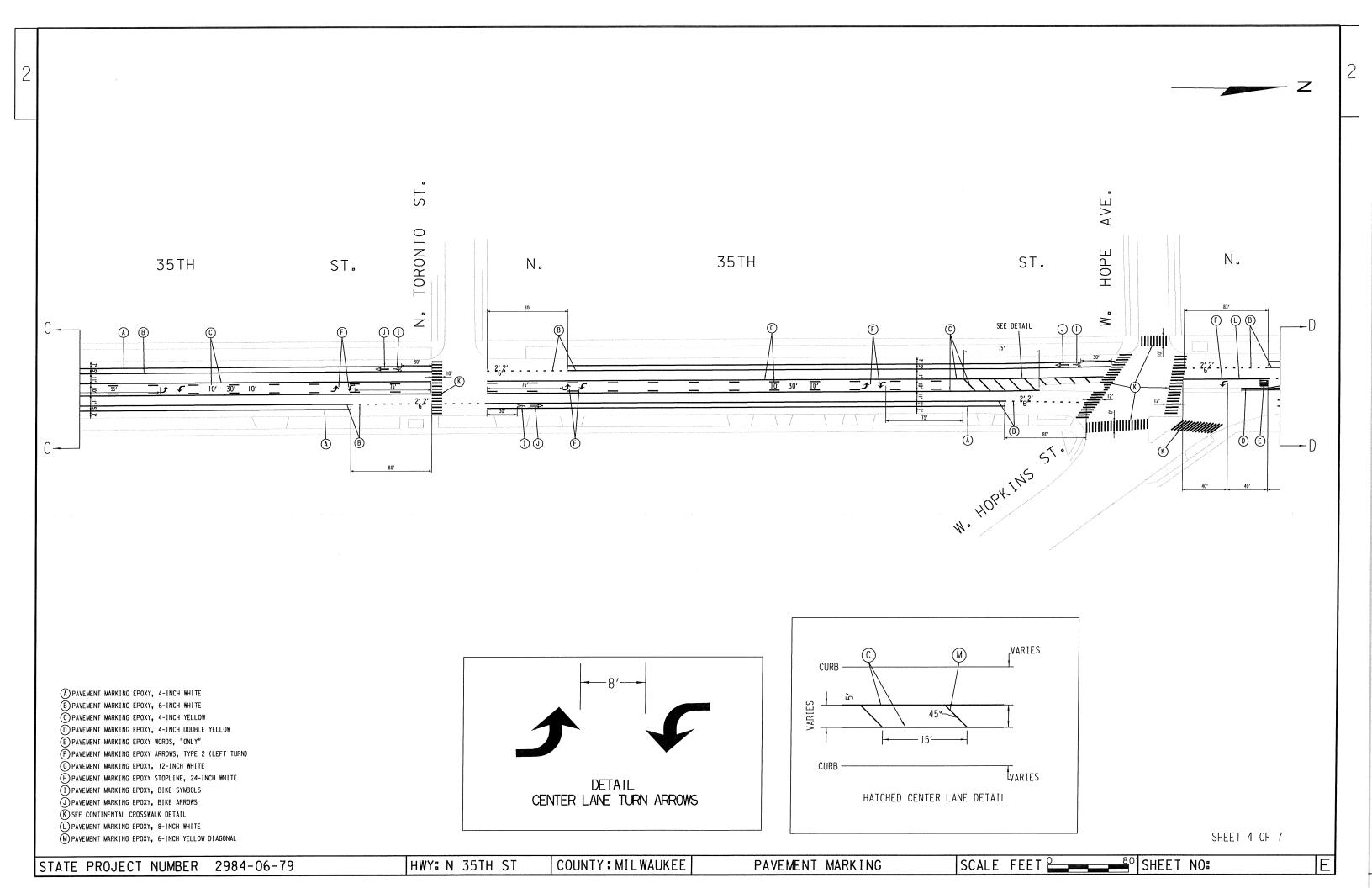
HWY: N 35TH ST

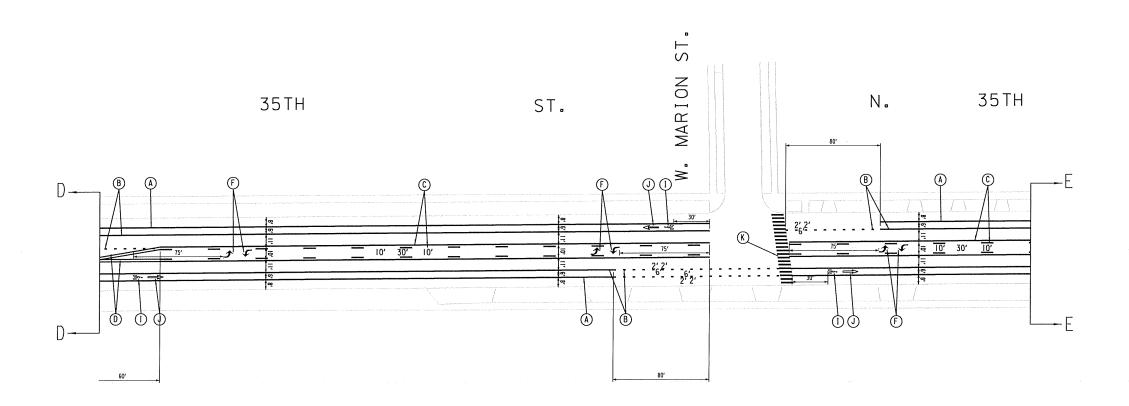
COUNTY: MILWAUKEE

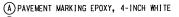
PAVEMENT MARKING

SHEET NO: SCALE FEET O'

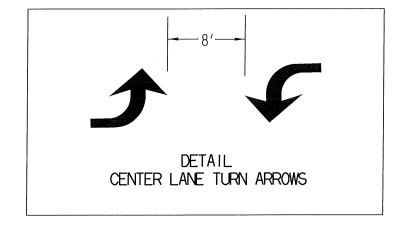








B PAVEMENT MARKING EPOXY, 6-INCH WHITE



SHEET 5 OF 7

STATE PROJECT NUMBER 2984-06-79

HWY: N 35TH ST

COUNTY: MIL WAUKEE

PAVEMENT MARKING

SCALE FEET OF SHEET NO.

10:

C PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

G PAVEMENT MARKING EPOXY, 12-INCH WHITE

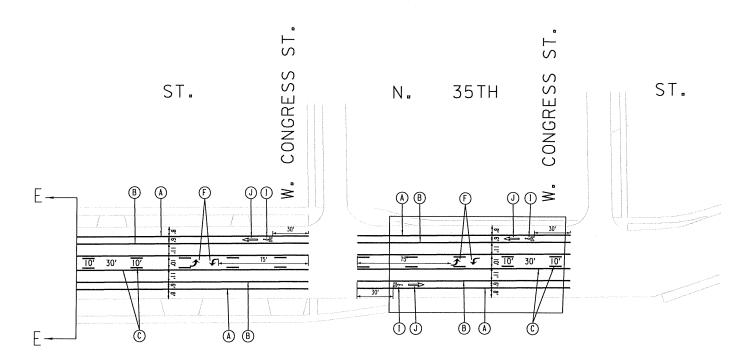
⁽H) PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

¹ PAVEMENT MARKING EPOXY, BIKE SYMBOLS

J PAVEMENT MARKING EPOXY, BIKE ARROWS

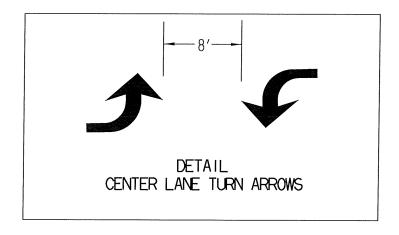
⁽K) SEE CONTINENTAL CROSSWALK DETAIL
(L) PAVEMENT MARKING EPOXY, 8-INCH WHITE

M PAVEMENT MARKING EPOXY, 6-INCH YELLOW DIAGONAL





B PAVEMENT MARKING EPOXY, 6-INCH WHITE



SHEET 6 OF 7

Ш

STATE PROJECT NUMBER 2984-06-79 HWY: N 35TH ST COUNTY: MIL WAUKEE SCALE FEET O' SHEET NO: PAVEMENT MARKING

[©] PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

G PAVEMENT MARKING EPOXY, 12-INCH WHITE

H PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

¹ PAVEMENT MARKING EPOXY, BIKE SYMBOLS

J PAVEMENT MARKING EPOXY, BIKE ARROWS

K SEE CONTINENTAL CROSSWALK DETAIL L PAVEMENT MARKING EPOXY, 8-INCH WHITE

M PAVEMENT MARKING EPOXY, 6-INCH YELLOW DIAGONAL

TYPICAL CROSS WALK INSTALLATION WITH TYPE I RAMP (PLASTIC, EPOXY, PAINT)

CROSSWALK LINES SHALL NOT EXTEND PAST THE CURB LINES EXTENDED

WITH TYPE 2 RAMP (PLASTIC, EPOXY, PAINT) CONTINENTAL CROSSWALK DETAIL

NOTE: PAVEMENT MARKINGS SHOULD BE PARALLEL TO DIRECTION OF TRAVEL EVEN WHEN CROSSWALK IS SKEWED

(A) PAVEMENT MARKING EPOXY, 4-INCH WHITE (B) PAVEMENT MARKING EPOXY, 6-INCH WHITE (C) PAVEMENT MARKING EPOXY, 4-INCH YELLOW (D) PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW E PAVEMENT MARKING EPOXY WORDS, "ONLY" F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN) G PAVEMENT MARKING EPOXY, 12-INCH WHITE (H) PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE 1 PAVEMENT MARKING EPOXY, BIKE SYMBOLS J PAVEMENT MARKING EPOXY, BIKE ARROWS (K) SEE CONTINENTAL CROSSWALK DETAIL L PAVEMENT MARKING EPOXY, 8-INCH WHITE (M) PAVEMENT MARKING EPOXY, 6-INCH YELLOW DIAGONAL

SHEET 7 OF 7

ROADWAY CENTER LINE

COUNTY: MILWAUKEE HWY: N 35TH ST STATE PROJECT NUMBER 2984-06-79

- 6' MIN.

CROSSWALK DIMENSIONS ARE FROM OUTSIDE OF LINE TO OUTSIDE OF LINE

PAVEMENT MARKING

CROSSWALK DIMENSIONS SHOWN IN THE

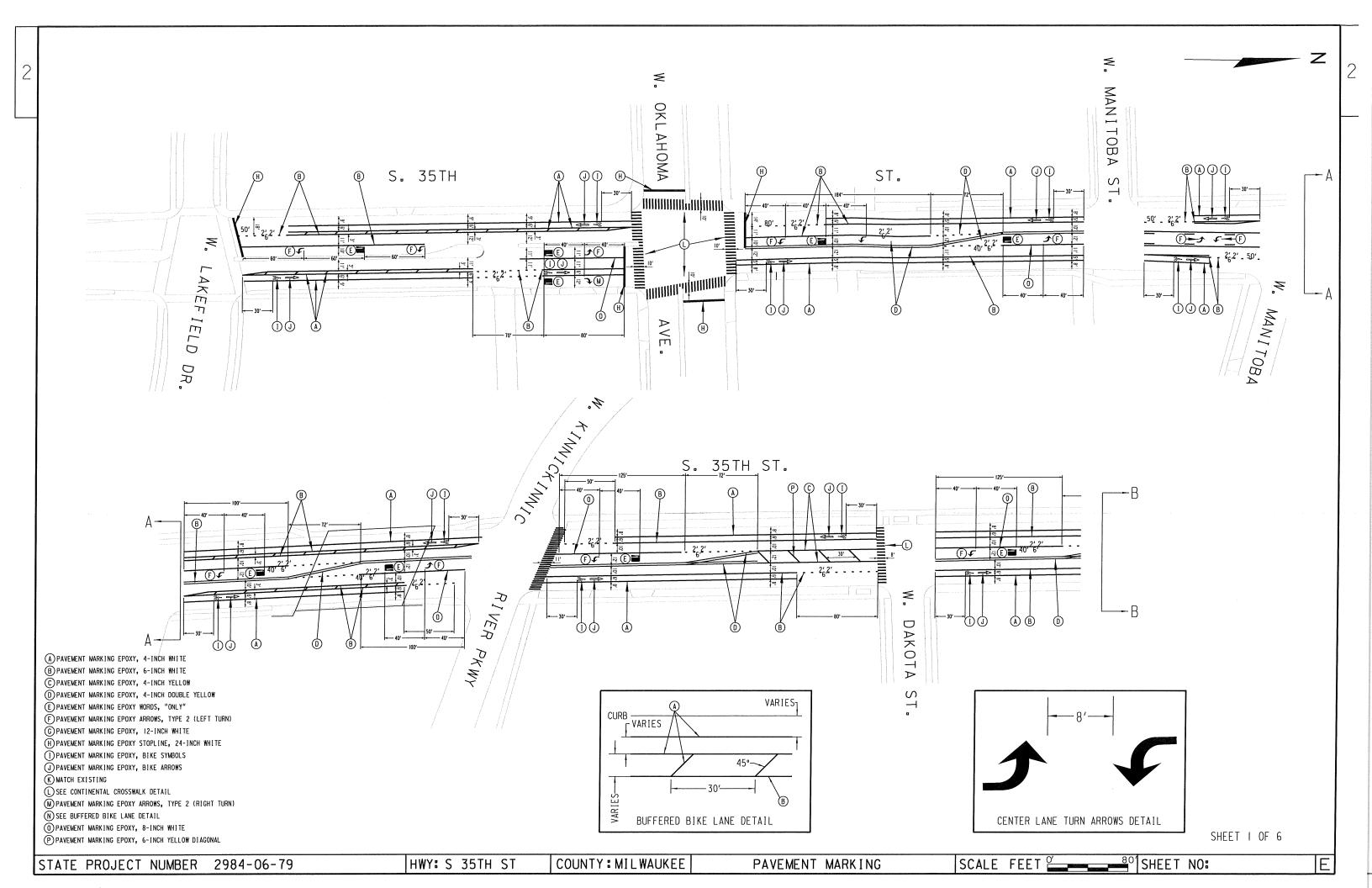
THE LINES

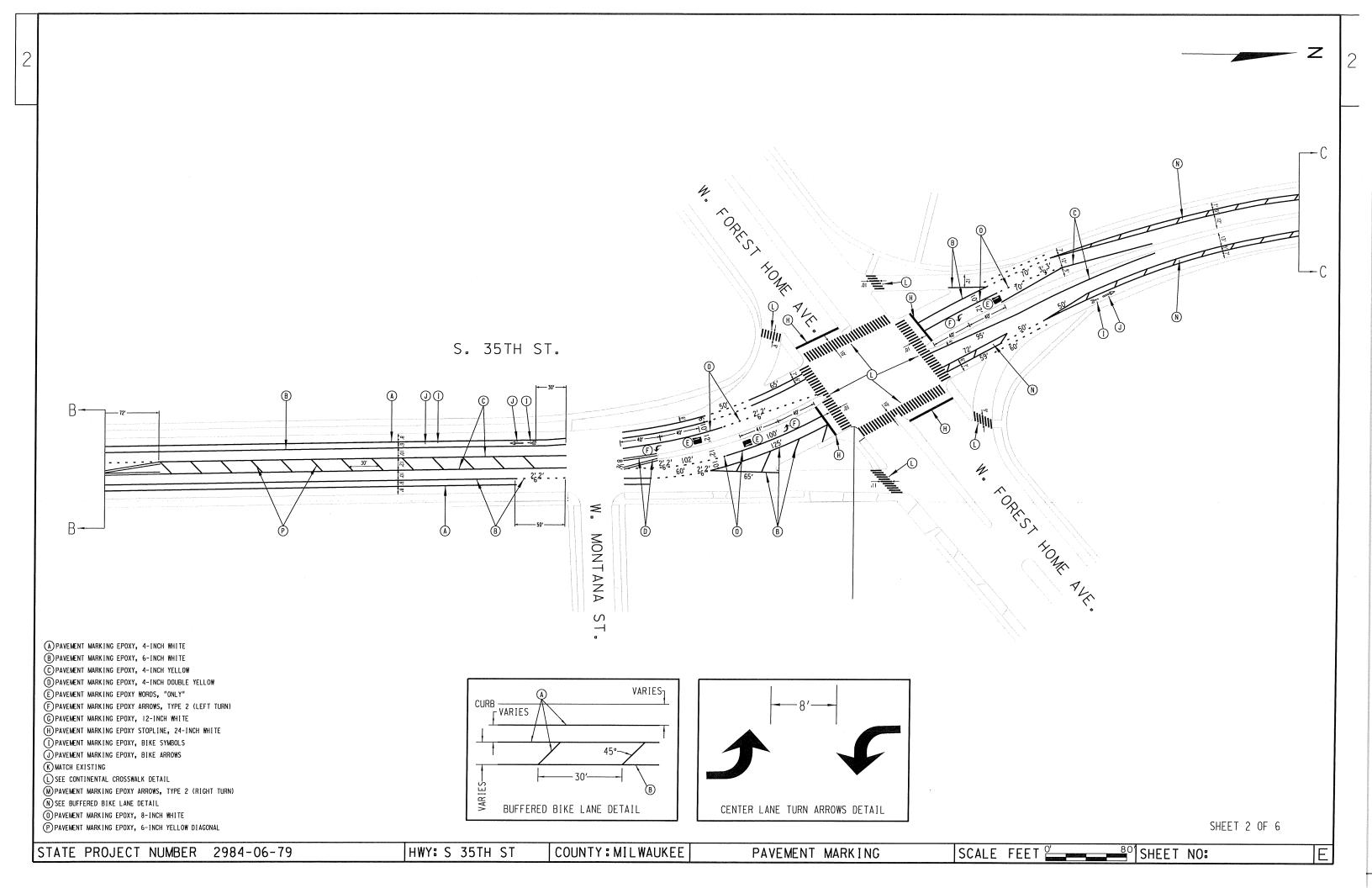
PLAN ARE FROM OUTSIDE TO OUTSIDE OF

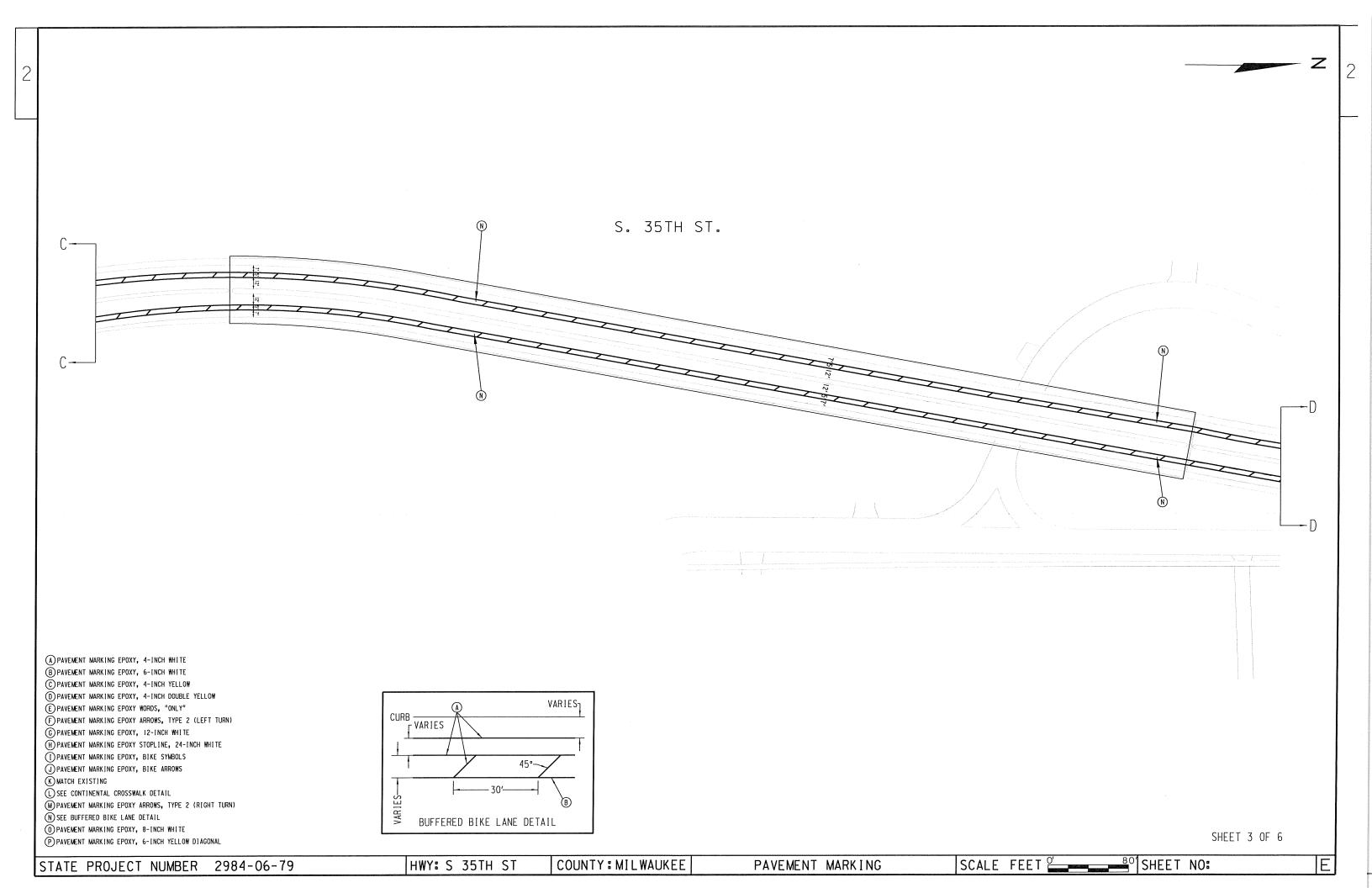
SCALE FEET O'

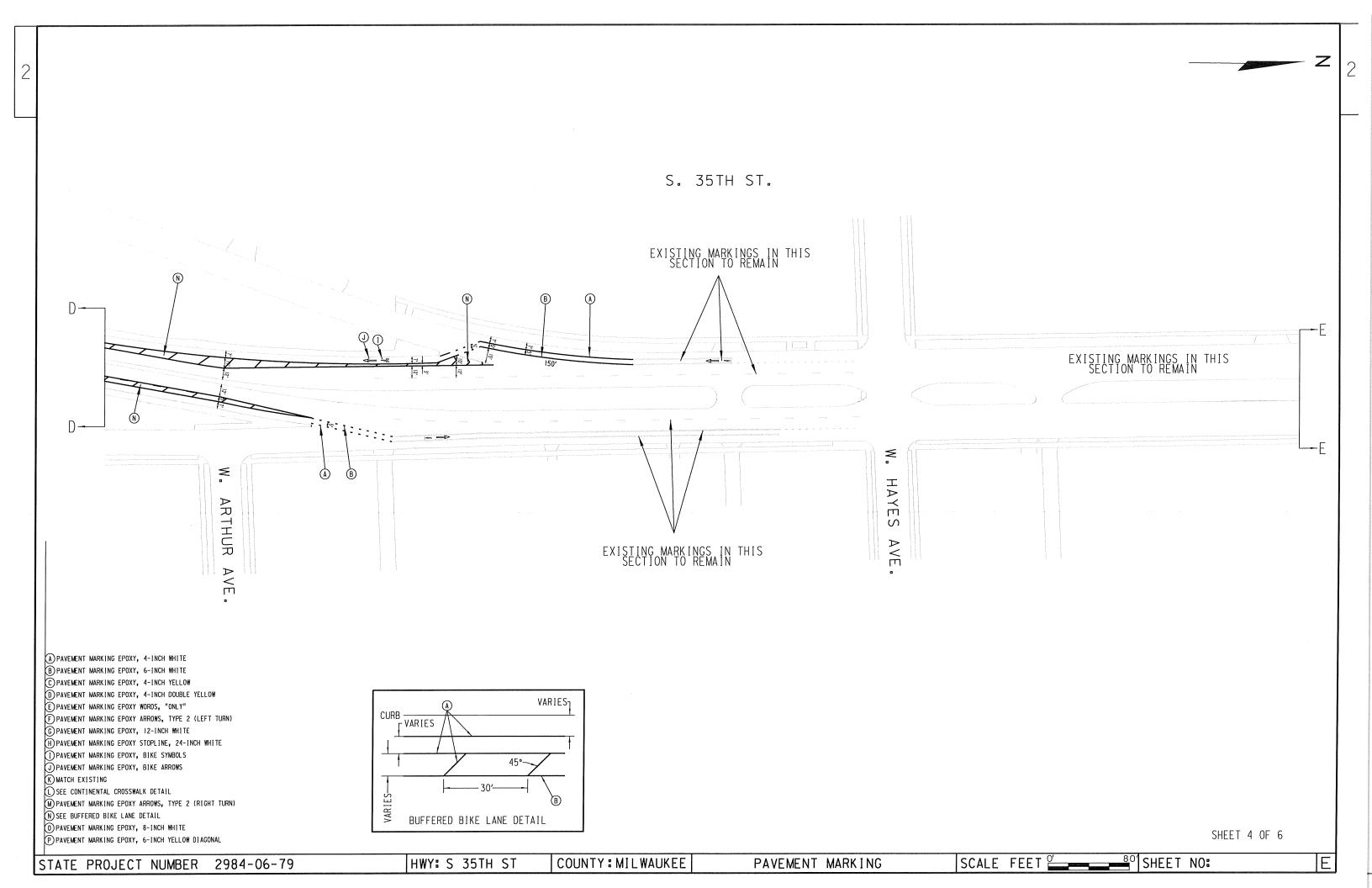
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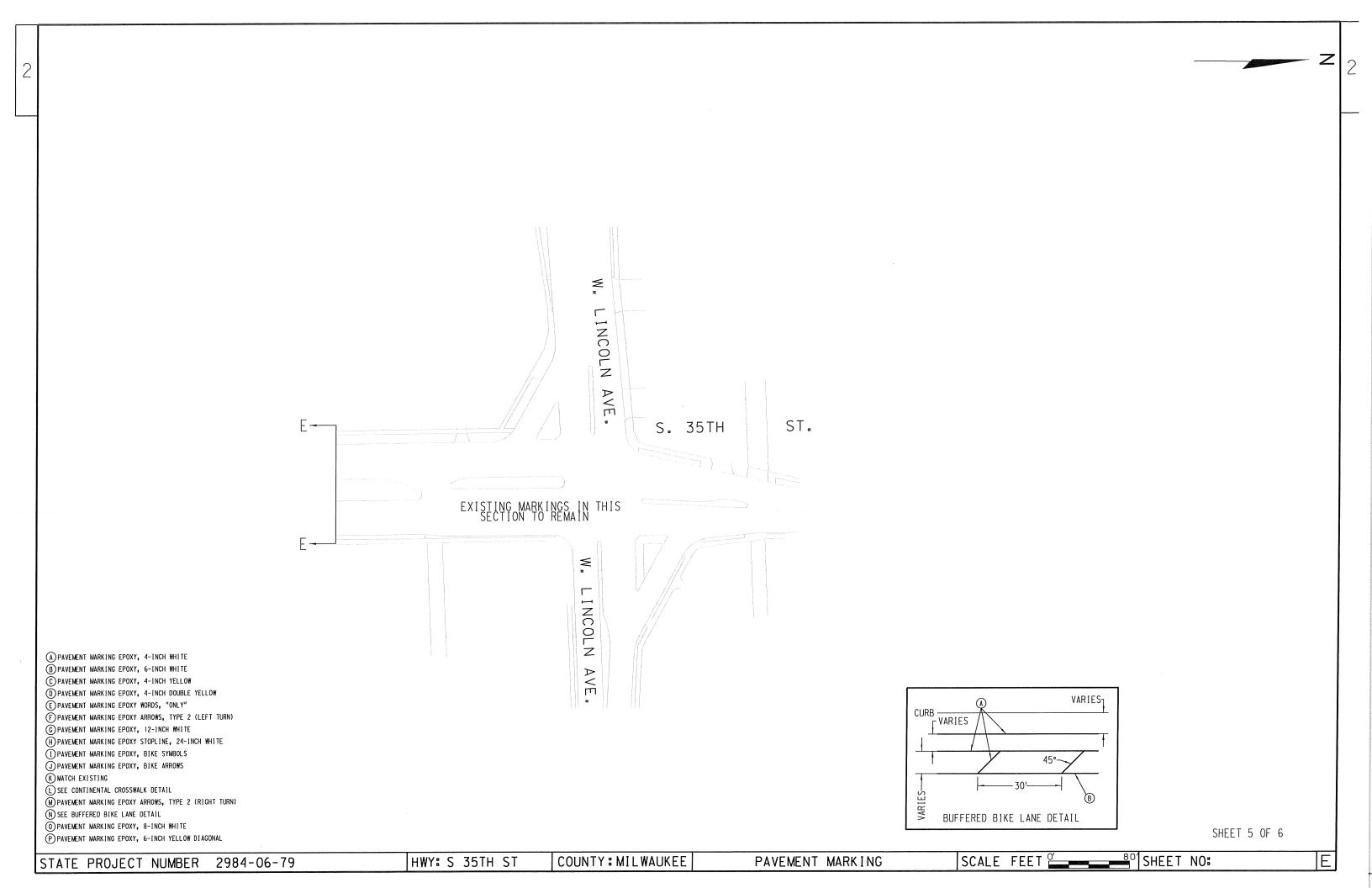
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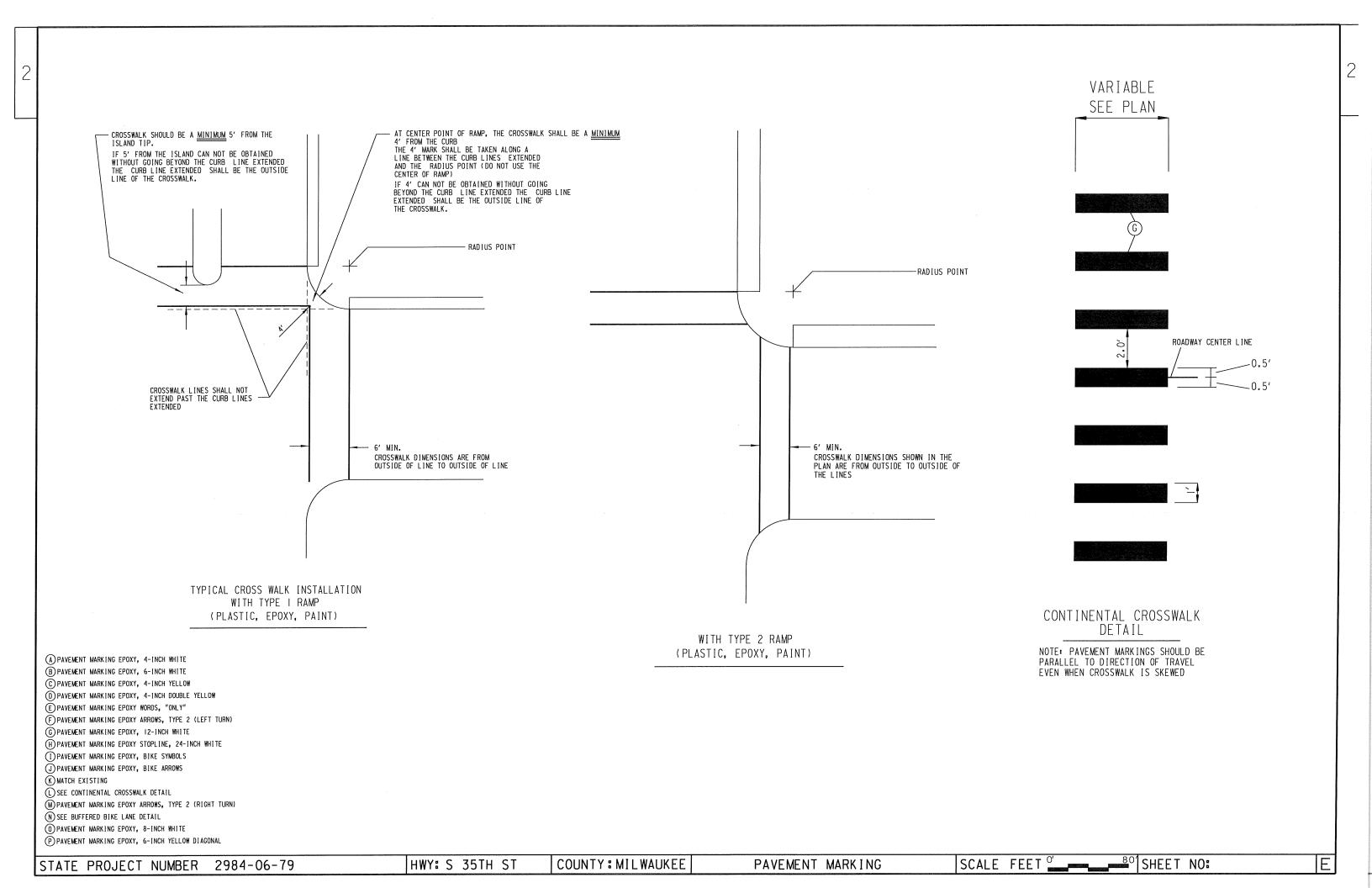


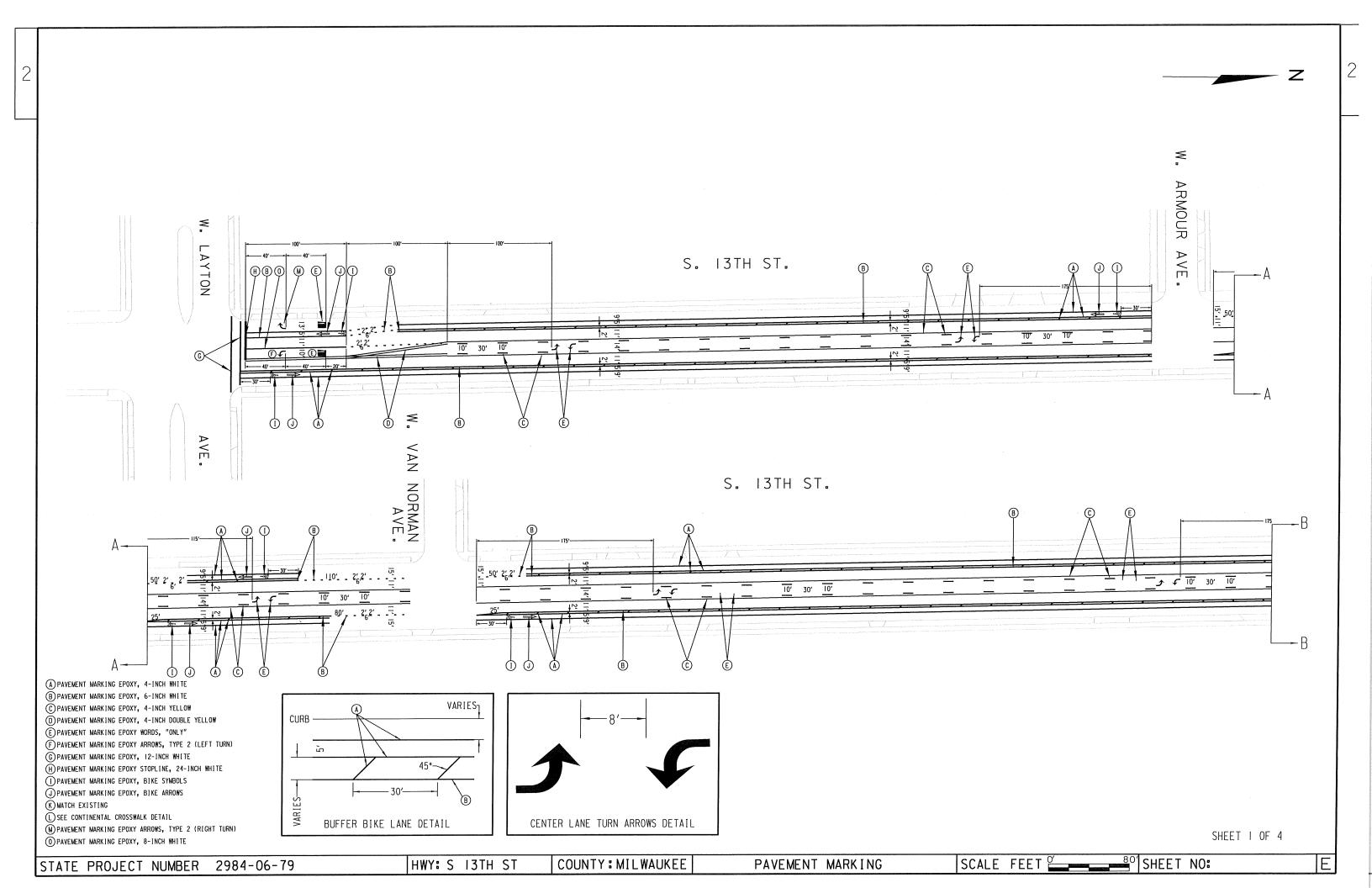


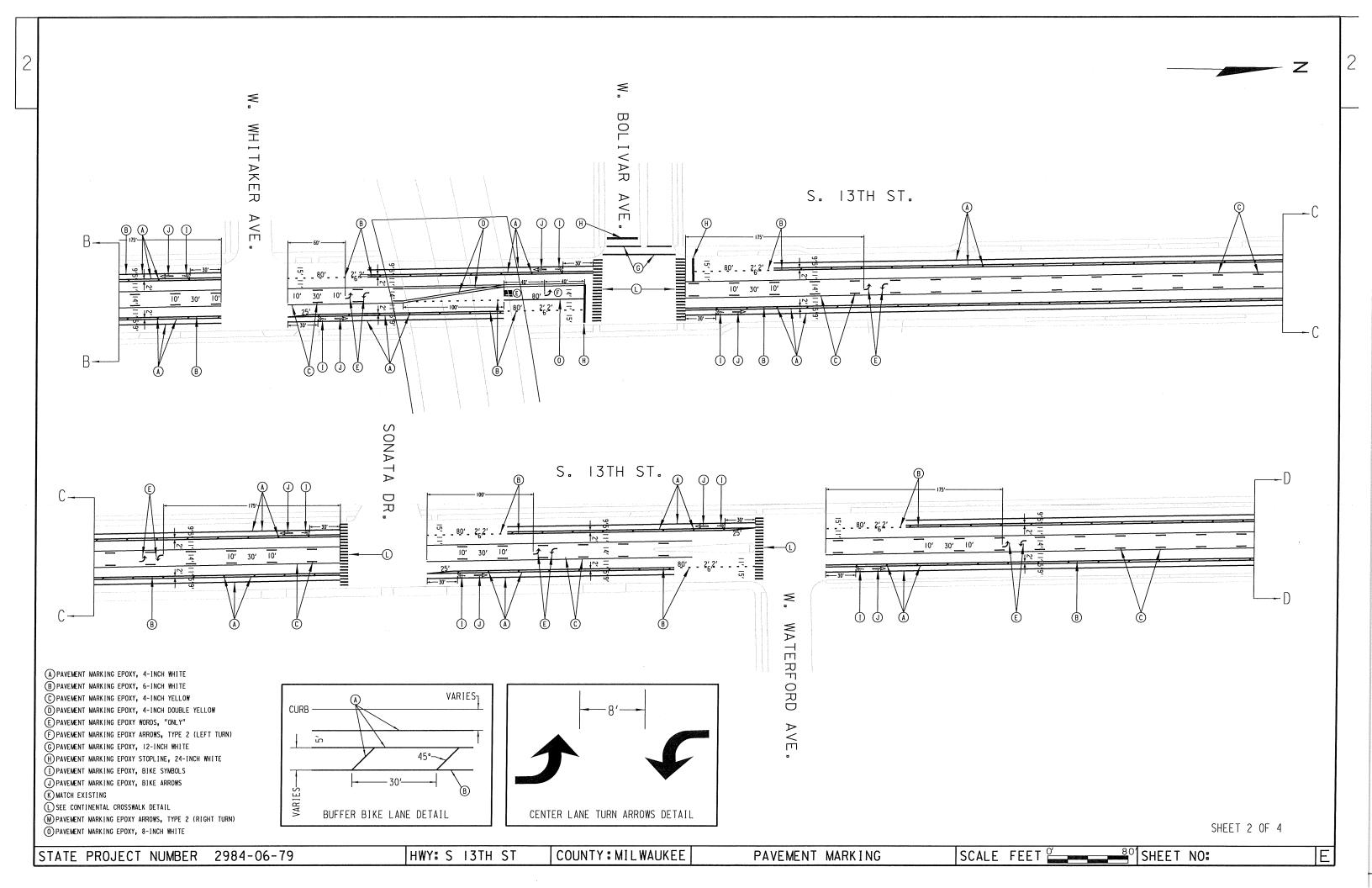




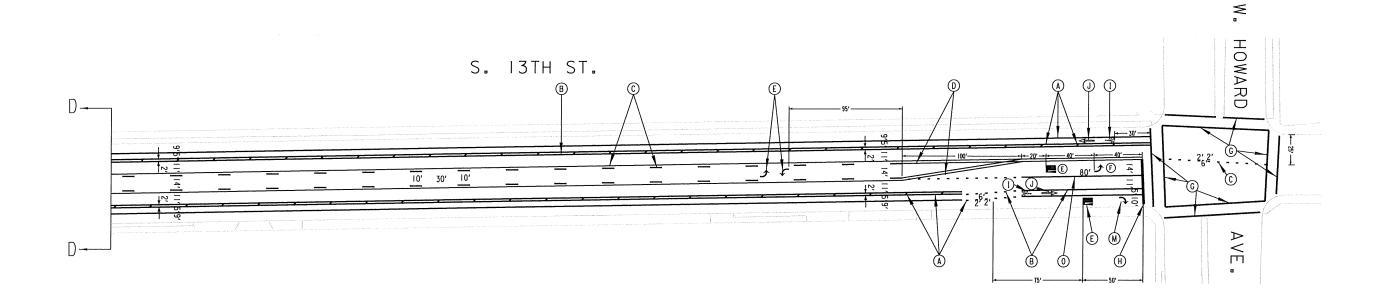


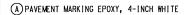












B PAVEMENT MARKING EPOXY, 6-INCH WHITE

© PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

G PAVEMENT MARKING EPOXY, 12-INCH WHITE

H PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

1 PAVEMENT MARKING EPOXY, BIKE SYMBOLS

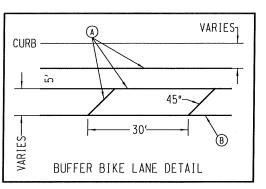
J PAVEMENT MARKING EPOXY, BIKE ARROWS

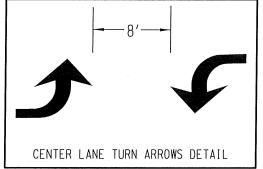
K MATCH EXISTING

SEE CONTINENTAL CROSSWALK DETAIL

M PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (RIGHT TURN)

① PAVEMENT MARKING EPOXY, 8-INCH WHITE





SHEET 3 OF 4

STATE PROJECT NUMBER 2984-06-79

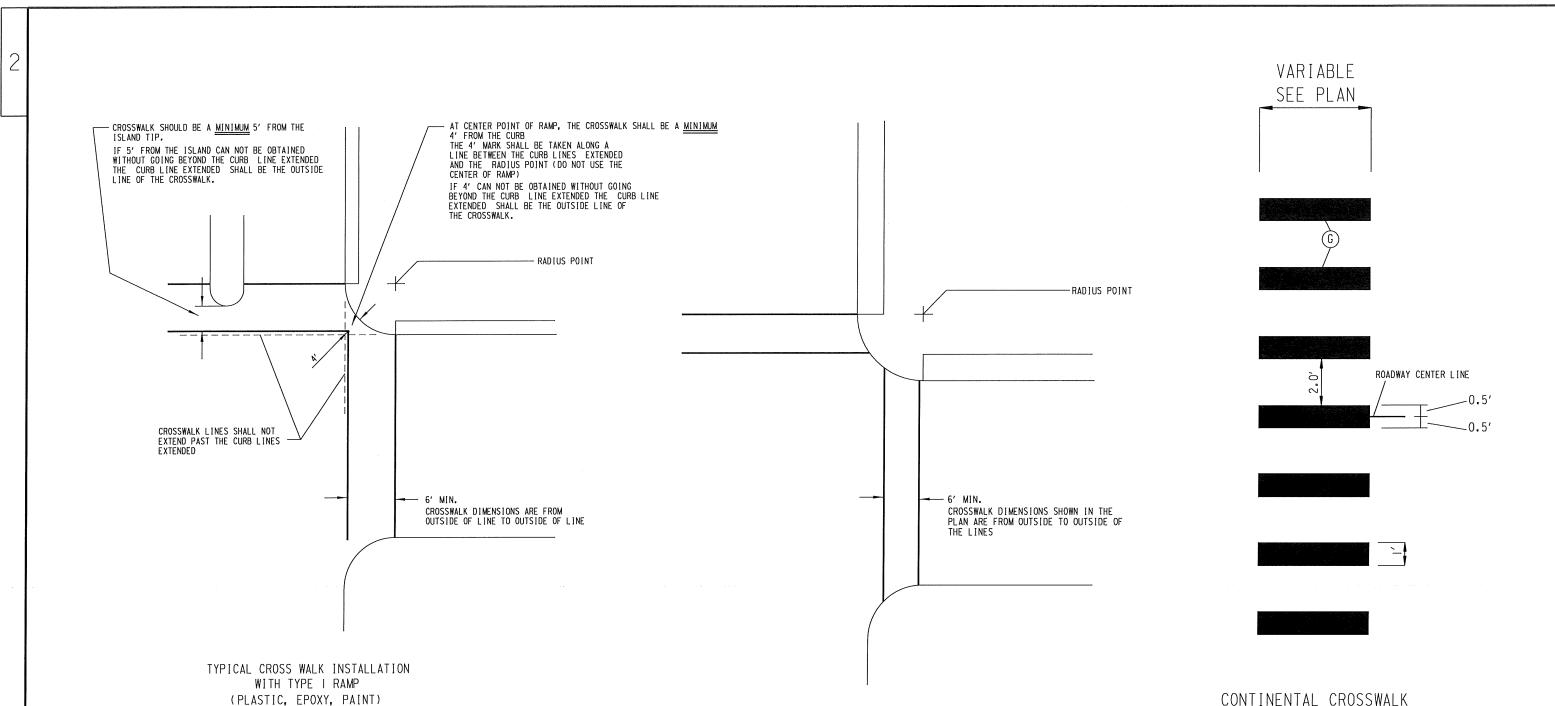
HWY: S 13TH ST

COUNTY: MIL WAUKEE

PAVEMENT MARKING

SCALE FEET O' SHEET NO:

):



WITH TYPE 2 RAMP

(PLASTIC, EPOXY, PAINT)

NOTE: PAVEMENT MARKINGS SHOULD BE

A PAVEMENT MARKING EPOXY, 4-INCH WHITE

(B) PAVEMENT MARKING EPOXY, 6-INCH WHITE

© PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

(F) PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

G PAVEMENT MARKING EPOXY, 12-INCH WHITE

(H) PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

(I) PAVEMENT MARKING EPOXY, BIKE SYMBOLS

(J) PAVEMENT MARKING EPOXY, BIKE ARROWS

K MATCH EXISTING

(L) SEE CONTINENTAL CROSSWALK DETAIL

M PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (RIGHT TURN)

① PAVEMENT MARKING EPOXY, 8-INCH WHITE

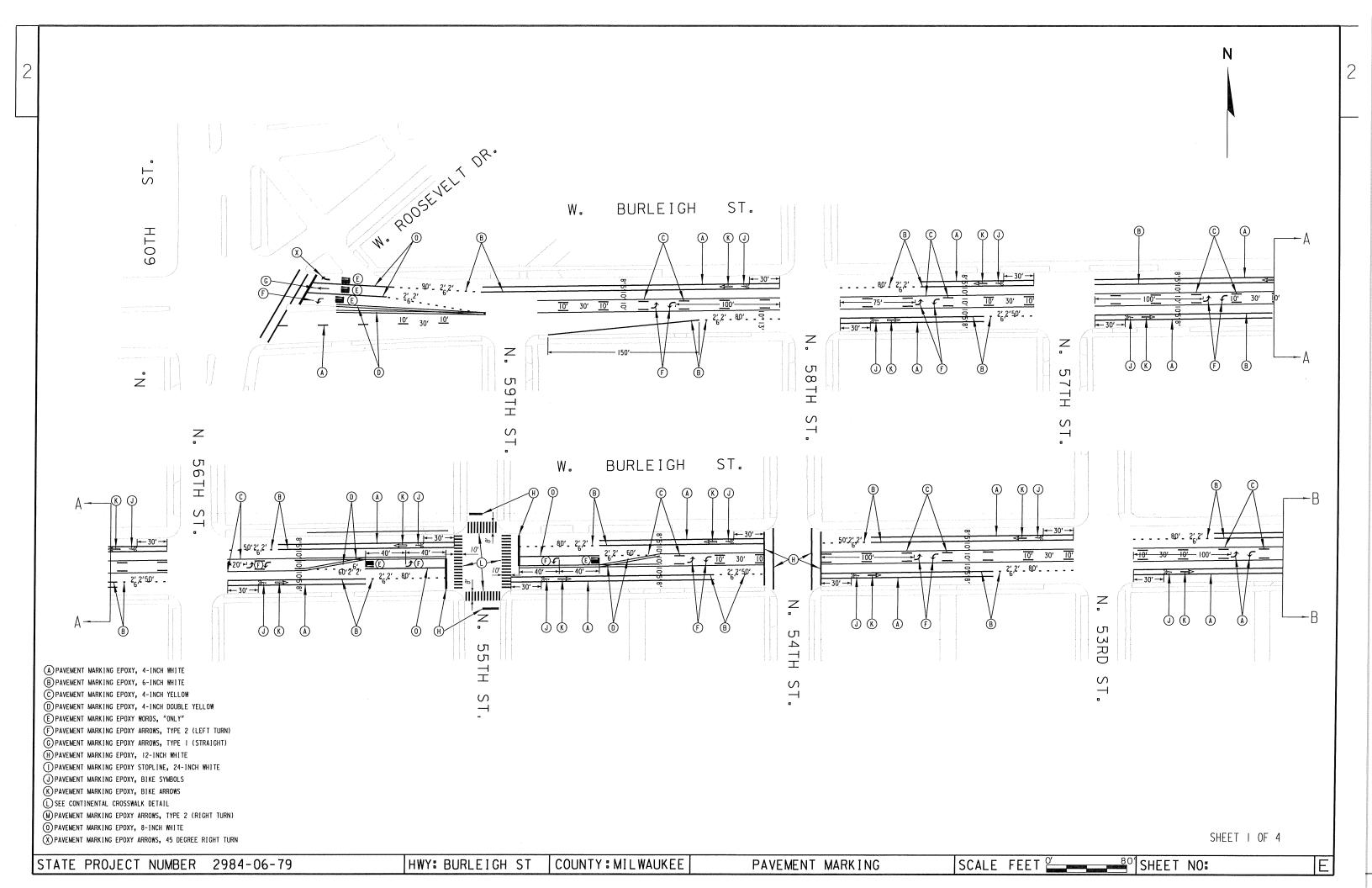
CONTINENTAL CROSSWALK
DETAIL

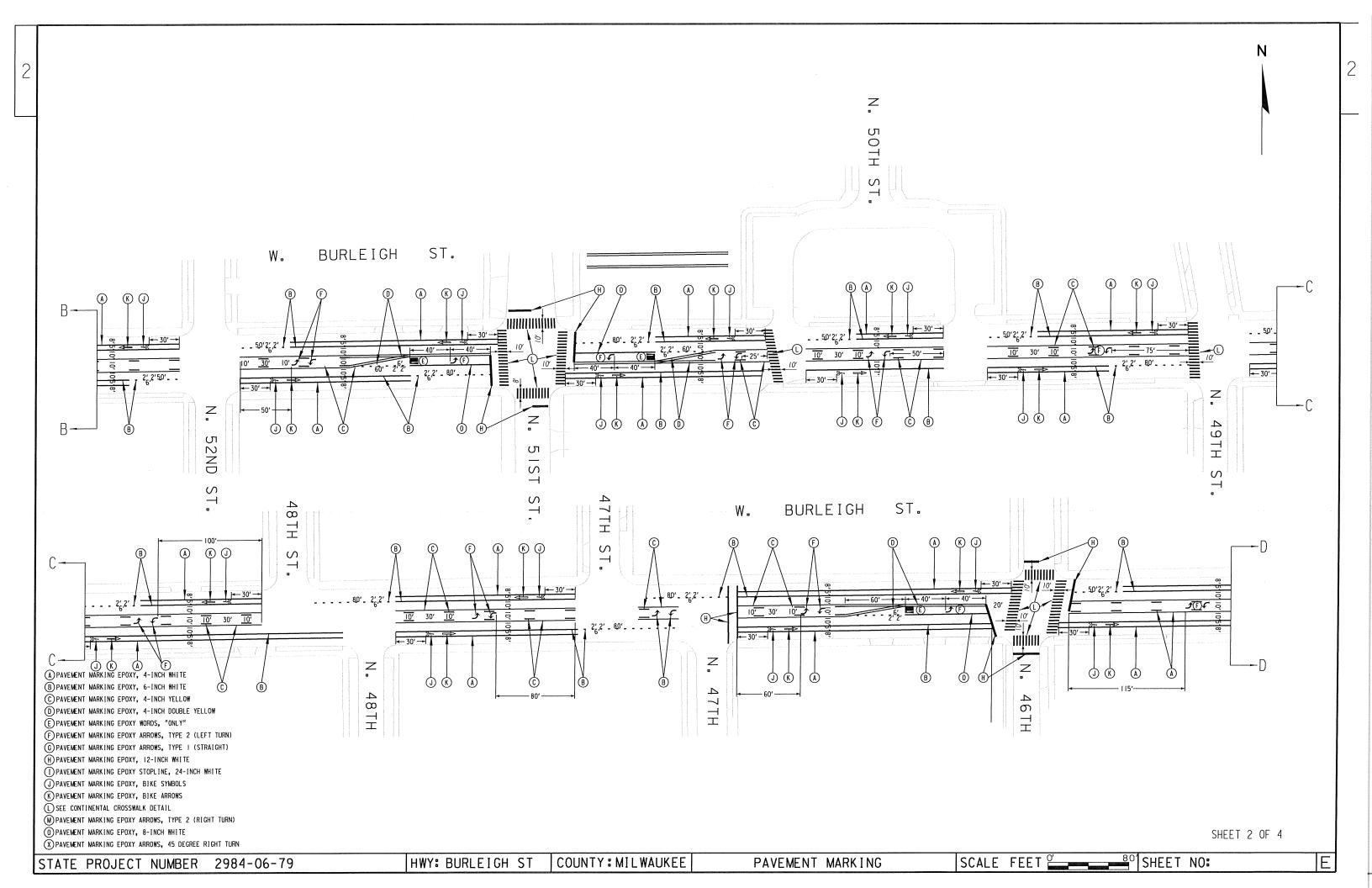
NOTE: PAVEMENT MARKINGS SHOULD B PARALLEL TO DIRECTION OF TRAVEL EVEN WHEN CROSSWALK IS SKEWED

SHEET 4 OF 4

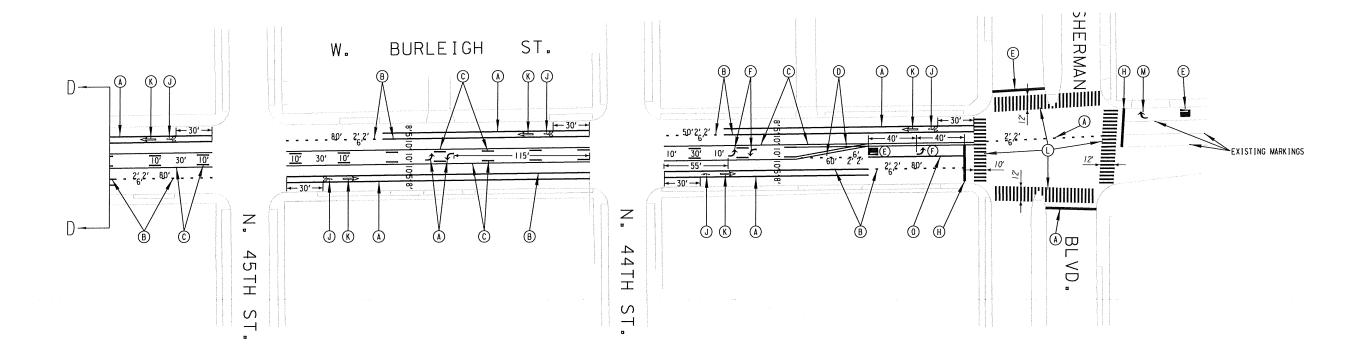
E

STATE PROJECT NUMBER 2984-06-79 HWY: S 13TH ST COUNTY: MILWAUKEE PAVEMENT MARKING SCALE FEET "________801 SHEET NO:









```
A PAVEMENT MARKING EPOXY, 4-INCH WHITE
```

SHEET 3 OF 4

N

SCALE FEET O' SHEET NO: COUNTY: MIL WAUKEE STATE PROJECT NUMBER 2984-06-79 HWY: BURLEIGH ST PAVEMENT MARKING

B PAVEMENT MARKING EPOXY, 6-INCH WHITE

[©] PAVEMENT MARKING EPOXY, 4-INCH YELLOW

D PAVEMENT MARKING EPOXY, 4-INCH DOUBLE YELLOW

E PAVEMENT MARKING EPOXY WORDS, "ONLY"

F PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (LEFT TURN)

[©] PAVEMENT MARKING EPOXY ARROWS, TYPE I (STRAIGHT)

H PAVEMENT MARKING EPOXY, 12-INCH WHITE

I PAVEMENT MARKING EPOXY STOPLINE, 24-INCH WHITE

J PAVEMENT MARKING EPOXY, BIKE SYMBOLS

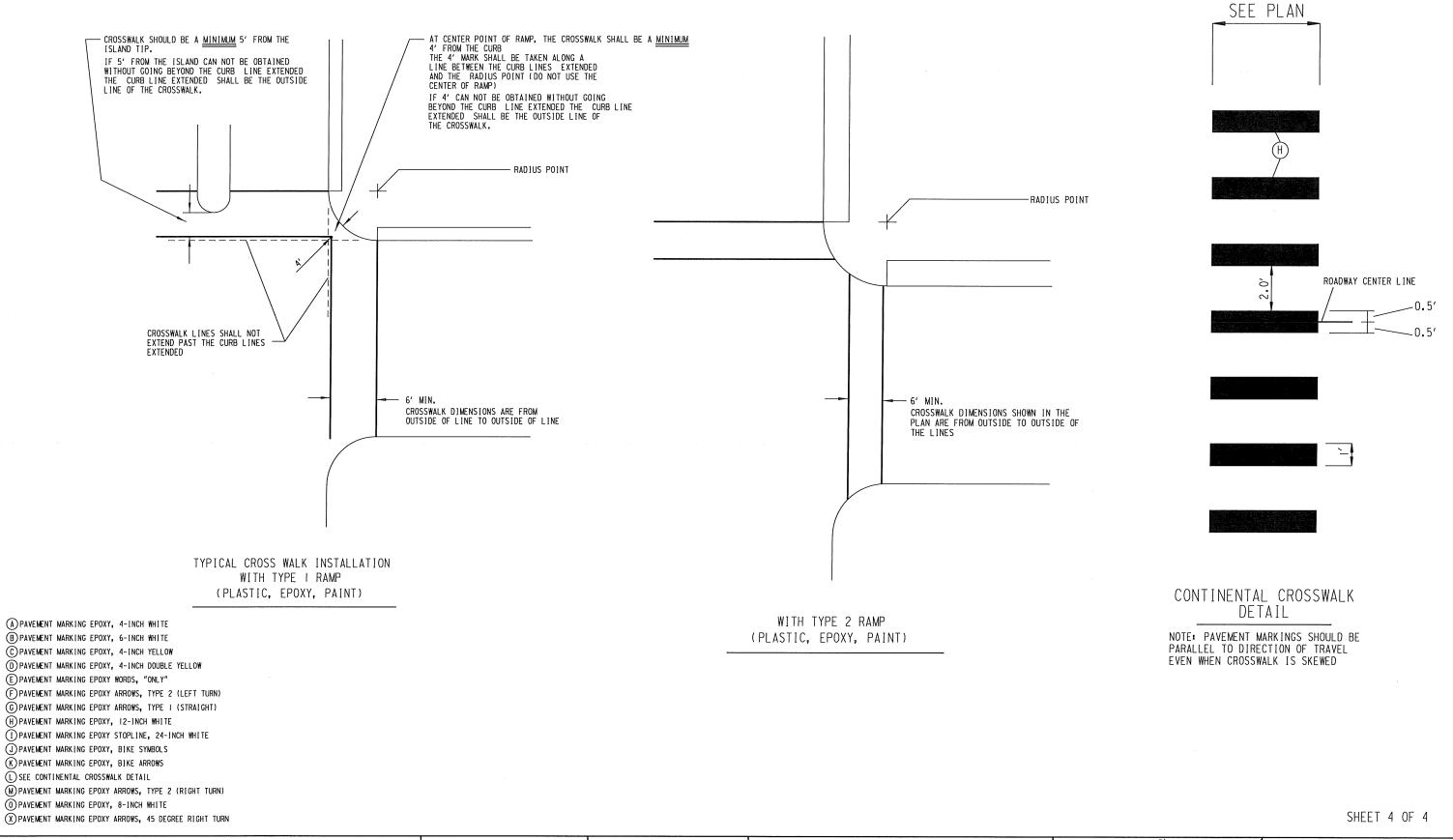
K PAVEMENT MARKING EPOXY, BIKE ARROWS

L SEE CONTINENTAL CROSSWALK DETAIL

M PAVEMENT MARKING EPOXY ARROWS, TYPE 2 (RIGHT TURN)

① PAVEMENT MARKING EPOXY, 8-INCH WHITE

X PAVEMENT MARKING EPOXY ARROWS, 45 DEGREE RIGHT TURN



| COUNTY : MIL WAUKEE

PAVEMENT MARKING

SCALE FEET O' ___801SHEET NO:

VARIABLE

STATE PROJECT NUMBER 2984-06-79

HWY: BURLEIGH ST

					2984-06-79
Line	Item	Item Description	Unit	Total	Qty
0002	619.1000	Mobilization	EACH	1.000	1.000
0004	643.5000	Traffic Control	EACH	1.000	1.000
0006	646.1020	Marking Line Epoxy 4-Inch	LF	127,400.000	127,400.000
8000	646.3020	Marking Line Epoxy 8-Inch	LF	121,861.000	121,861.000
0010	646.5020	Marking Arrow Epoxy	EACH	387.000	387.000
0012	646.5120	Marking Word Epoxy	EACH	51.000	51.000
0014	646.5220	Marking Symbol Epoxy	EACH	152.000	152.000
0016	646.6020	Marking Stop Line Epoxy 12-Inch	LF	22,365.000	22,365.000
0018	646.7220	Marking Chevron Epoxy 24-Inch	LF	2,834.000	2,834.000
0020	646.9000	Marking Removal Line 4-Inch	LF	53,210.000	53,210.000
0022	646.9200	Marking Removal Line Wide	LF	17,159.000	17,159.000
0024	646.9300	Marking Removal Special Marking	EACH	21.000	21.000
0026	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	1,400.000	1,400.000
0028	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	900.000	900.000
0030	SPV.0090	Special 702. Marking Epoxy 6-Inch	LF	62,320.000	62,320.000

SUMMARY OF MISCELLANEOUS QUANTITIES

	MOBILIZATION	TRAFFIC CONTROL (PROJECT)	MARKING LINE EPOXY 4-INCH	MARKING EPOXY 8-INCH	MARKING Arrow EPOXY	MARKING WORD EPOXY	MARKING SYMBOLS EPOXY	MARKING STOP LINE EPOXY 12-INCH EPOXY	MARKING DIAGONAL EPOXY 6-INCH	MARKING EPOXY 24-INCH	MARK I NG REMOVAL 4-I NCH	MARKING REMOVAL LINE WIDE	MARKING REMOVAL SPECIAL MARKING	MARKING EPOXY 6-INCH
	EACH	EACH	L.F.	L.F.	EACH	EACH	EACH	L.F.	L.F.	L.F.	L.F.	L.F.	EACH	L.F.
	619.1000	643.5000	646.1020	646,3020	646.5020	646.5120	646.5220	646.6020	646.7020	646.7220	646.9000	646.9200	646.9300	SPV.0090.702
TOTAL	I	1	127,400	5,965	387	51	152	22,365	374	2,834	53,210	17, 159	21	62,320

Standard Detail Drawing List

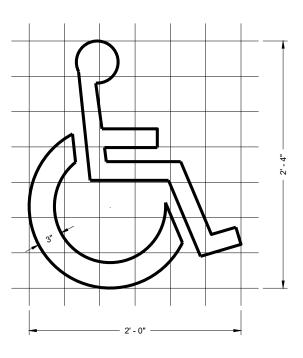
15C07-15A	PAVEMENT MARKING SYMBOLS
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15С08-2ОВ	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C19-06A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C29-07A	BICYCLE LANE MARKING
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D43-01	TRAFFIC CONTROL, SHORT DURATION MOBILE OPERATIONS

6

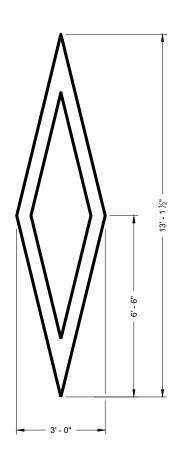
SDD 15C07 15a

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

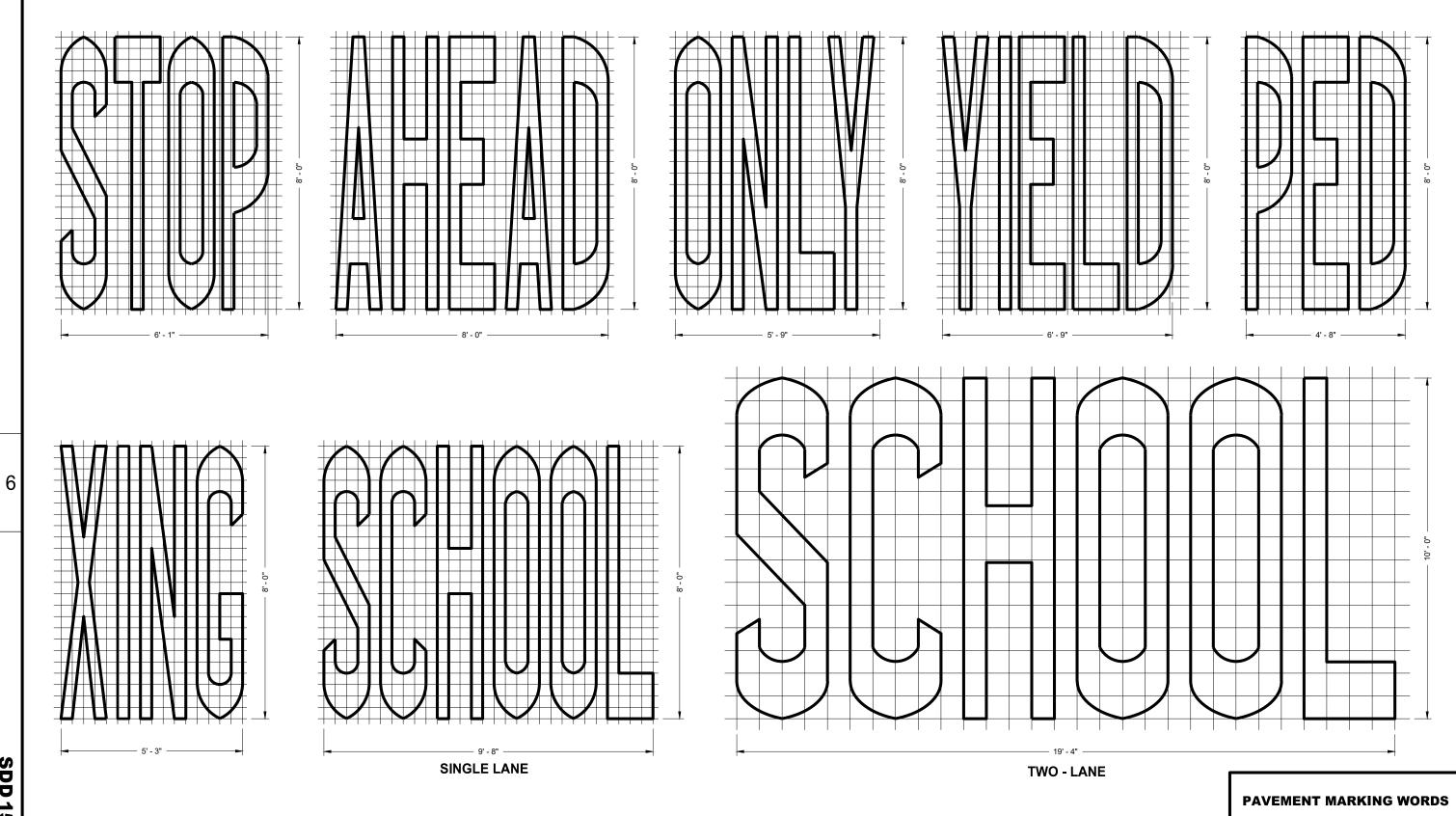
PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION **SDD15C07**

APPROVED

November 2019 DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER



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.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVED

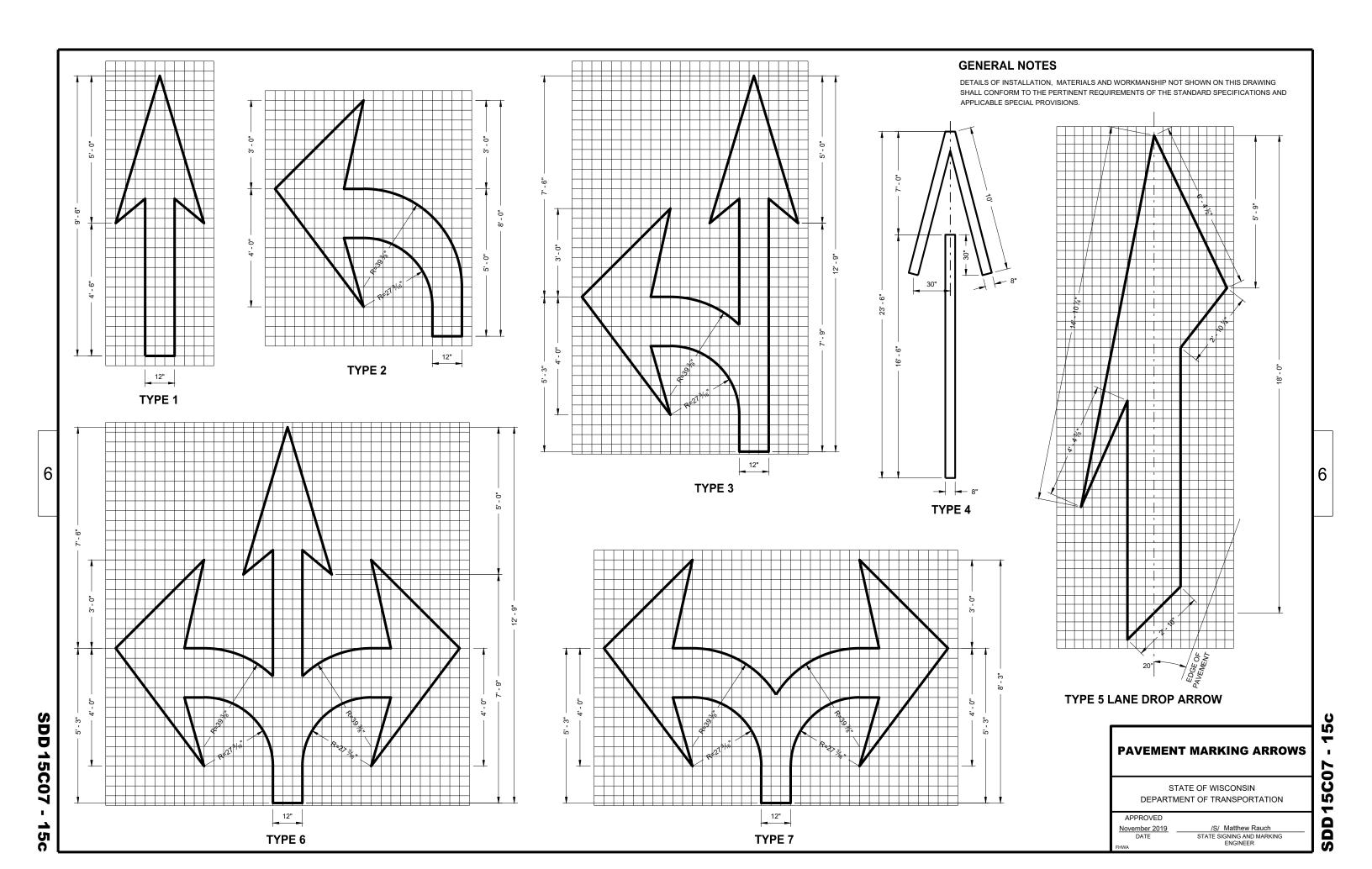
November 2019 ____

/S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER

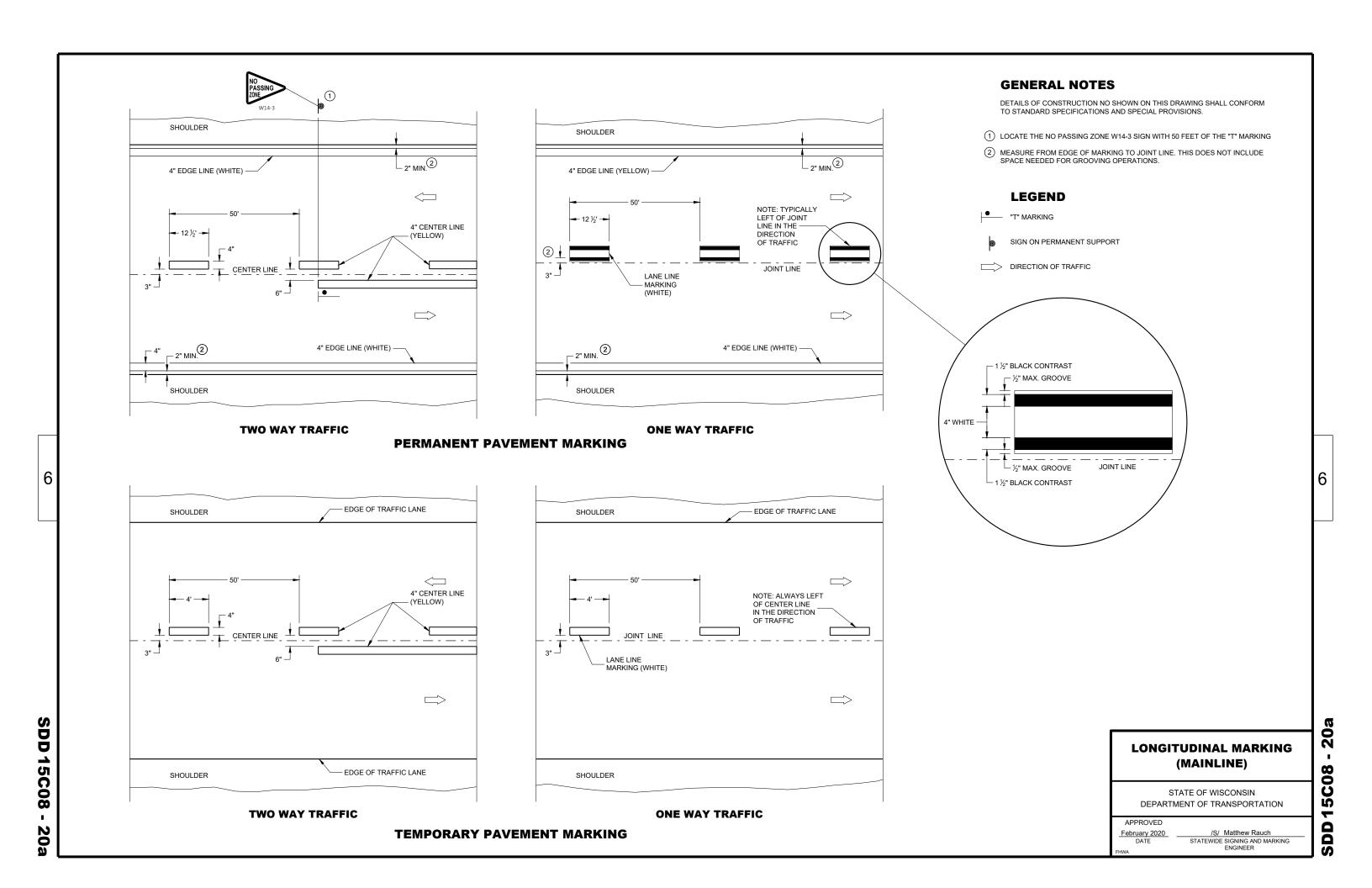
6

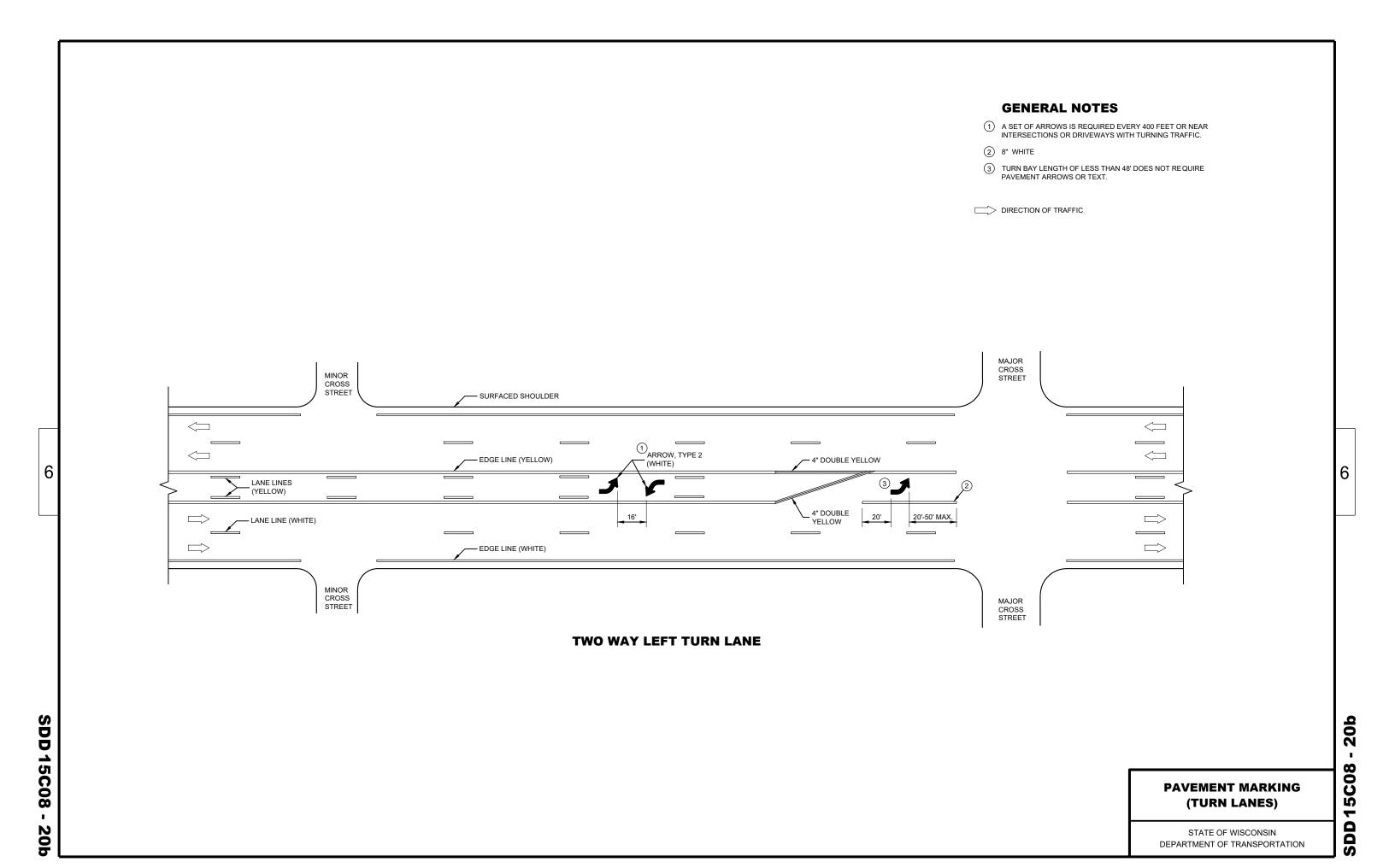
5b

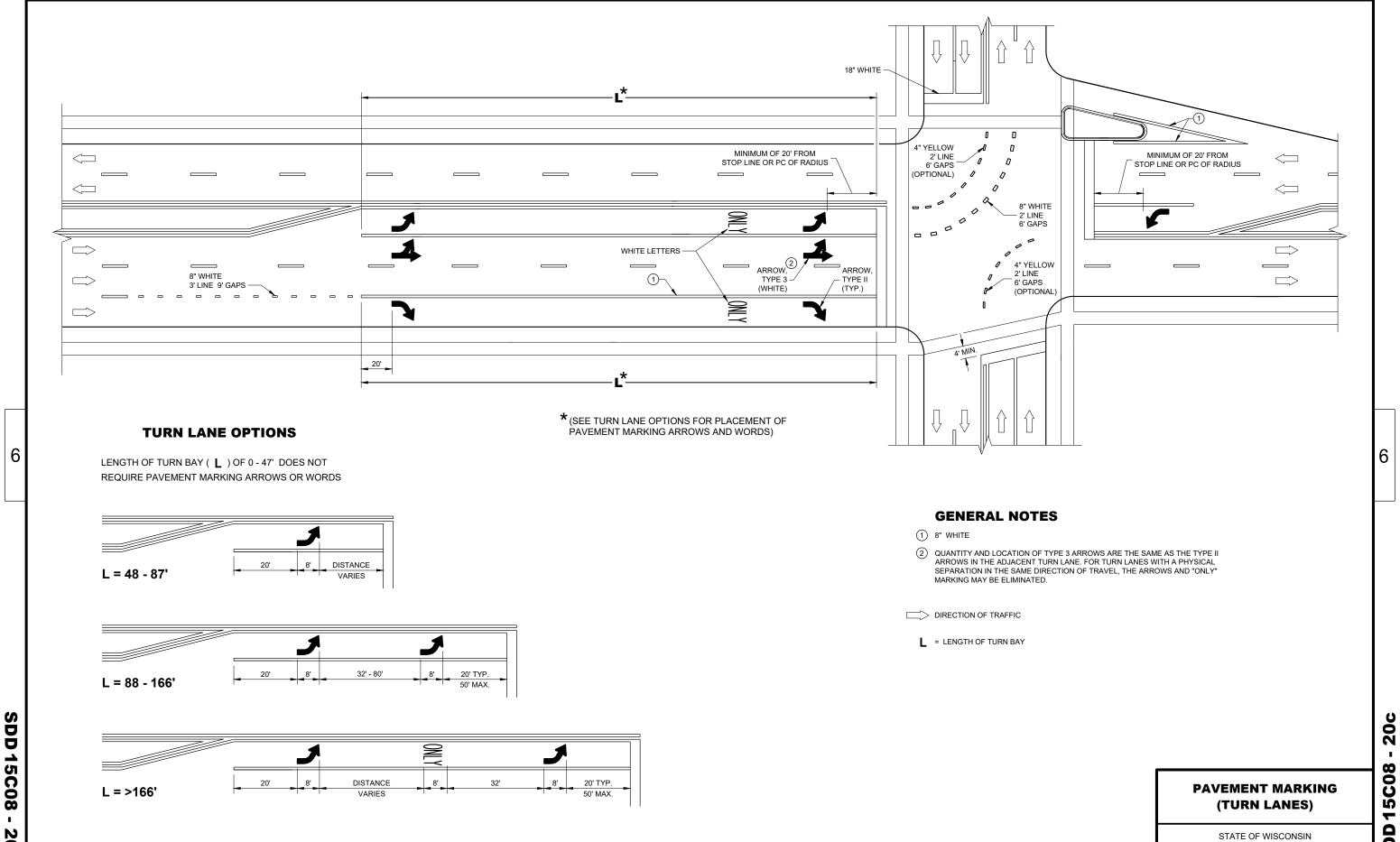
SDD15C07



SDD 15C7-e Pavement Marking For Bike Lanes **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 WORDS SDD 15C07 PAVEMENT MARKING BICYCLE DETECTOR FOR BIKE LANES SDD 15C07 PAVEMENT MARKING →** 7 1⁄4" **→** STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION **BIKE LANE ARROW BIKE LANE SYMBOL** BIKE LANE SYMBOL FOR SHARED LANE November 2019 DATE /S/ Matthew Rauch
STATE SIGNING AND MARKING
ENGINEER







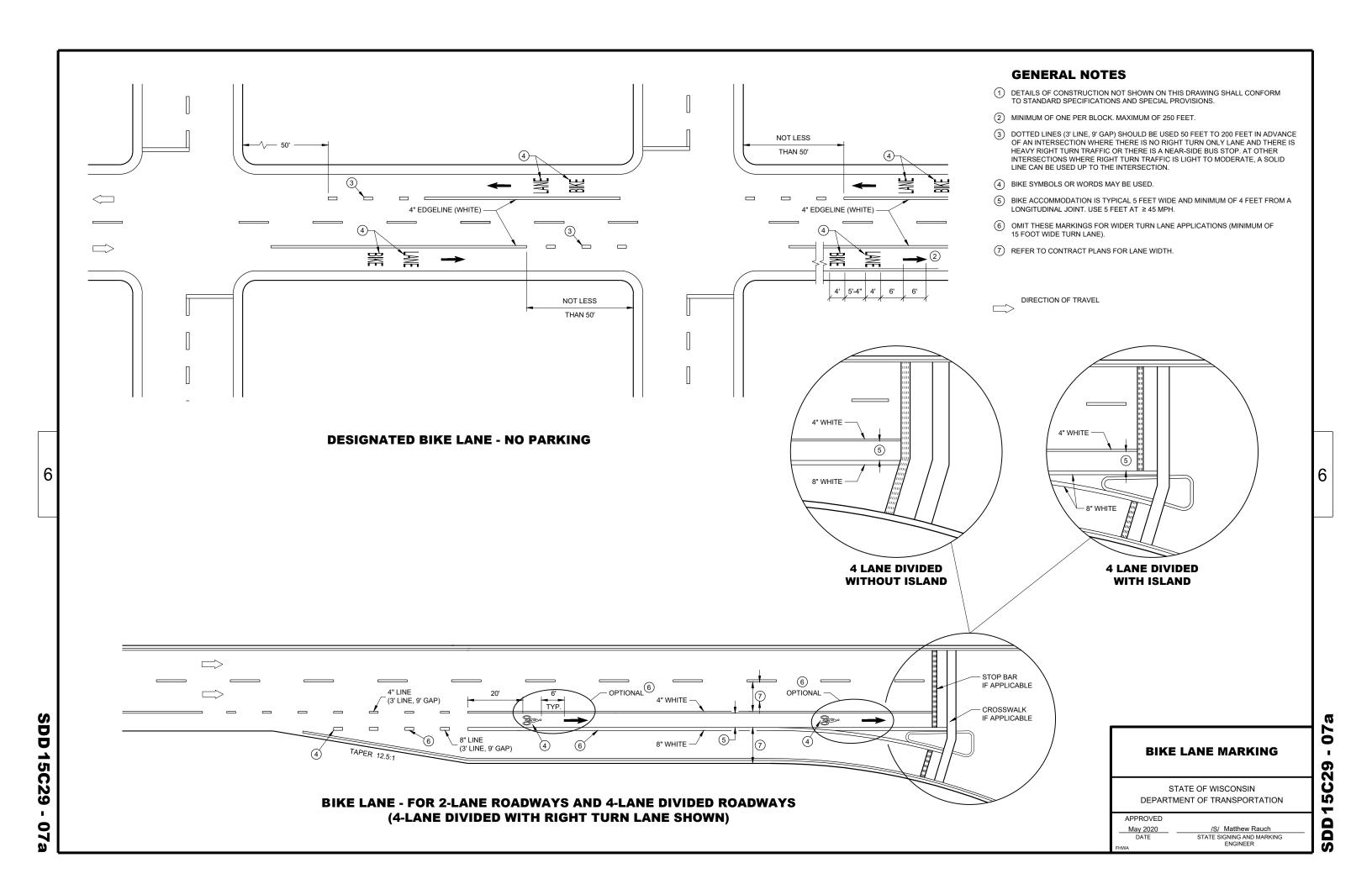
SDD 15C08

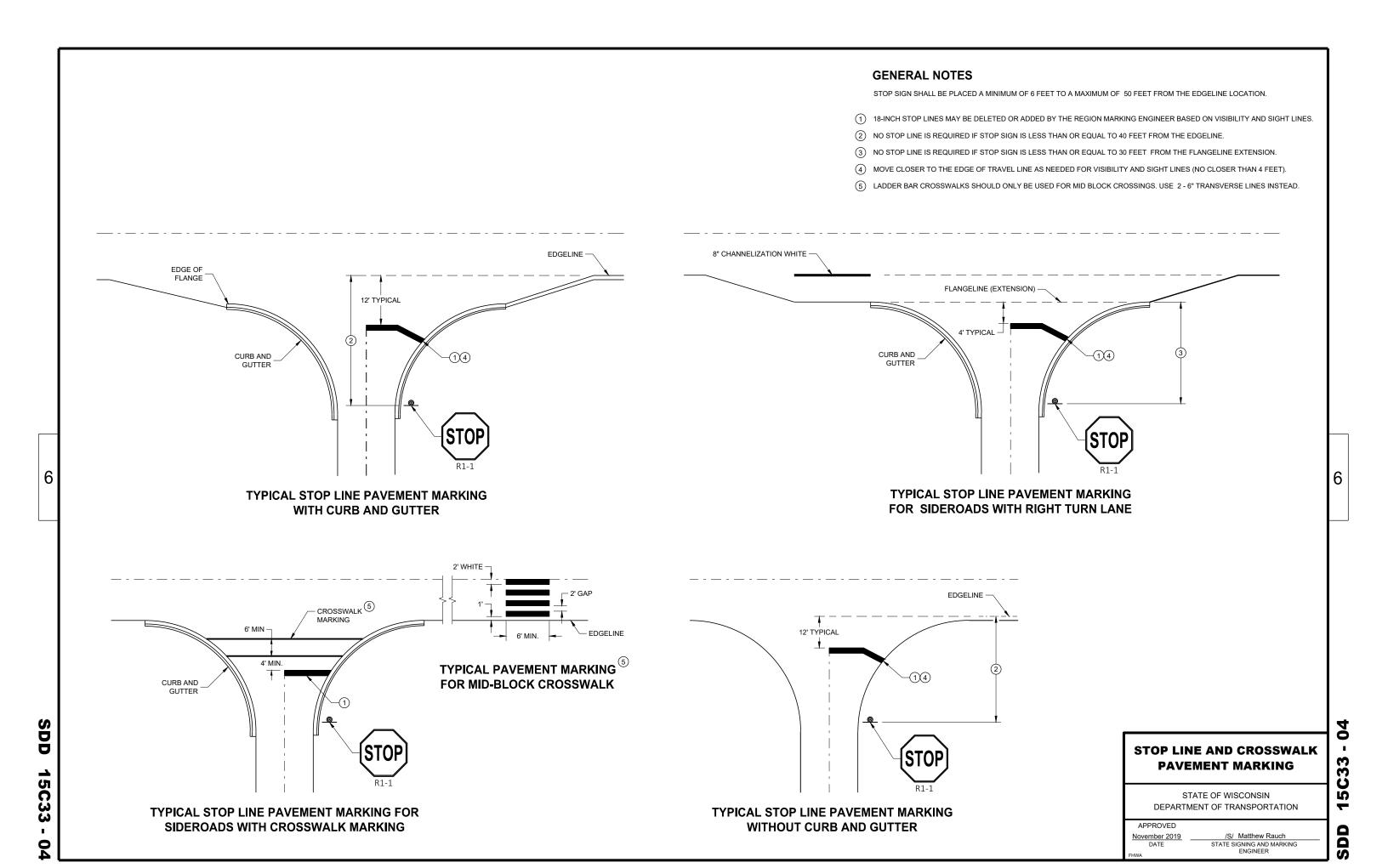
DEPARTMENT OF TRANSPORTATION

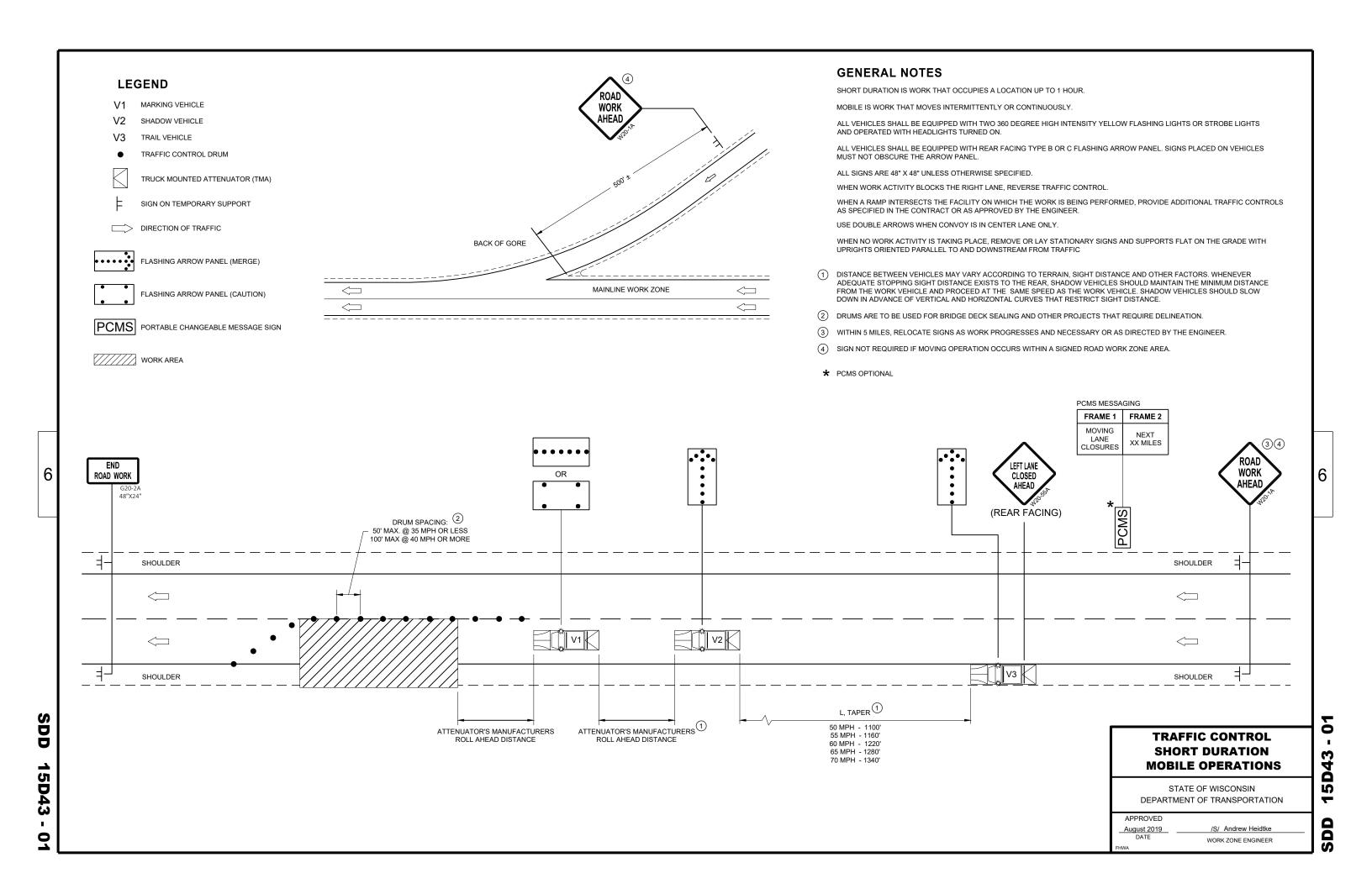
Ŏ 0 Ŋ

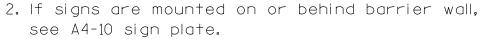
WORK ZONE ENGINEER

6









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

- 3. 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 $5'-3''(\frac{+}{2})$.
- 5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
- 6. The (±) tolerance for mounting height is 3 inches.
- 7. Folding signs shall be mounted at a height of 5'-3'' (\pm) or as directd by the Engineer.

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

** Curb Flowline

D
White Edgeline Location

*

6'-3"(±)

D |

Outside Edge

of Gravel

White Edgeline
Location

Outside Edge
of Gravel

d.

POST EMBEDMENT DEPTH

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

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

HWY:

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

Matther & Rawk For State Traffic Engineer

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

SHEET NO:

Ε

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.dgn

PROJECT NO:

PLOT DATE: 13-MAY 2020 1:04

COUNTY:

PLOT BY : mscj9h

PLOT NAME :

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

APPROVED



NOTES: 1. ALL MATERIAL TO BE APPROVED

BY ENGINEER PRIOR TO INSTALLATION

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



ELEVATION VIEW

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



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

HWY:



PLAN VIEW

COUNTY:

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

For State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN

PROJECT NO:

PLOT DATE: 27-JAN-2014 09:48

PLOT NAME :

PLOT BY: mscsja

PLOT SCALE: 13.659812:1.000000

APPROVED

WISDOT/CADDS SHEET 42

GENERAL NOTES

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

POST EMBEDMENT DEPTH

D
(Min)
4'
5'

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





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

HWY:

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

COUNTY:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN

PROJECT NO:

PLOT DATE: 21-AUG-2017 15:54

PLOT SCALE: 108.188297:1.000000

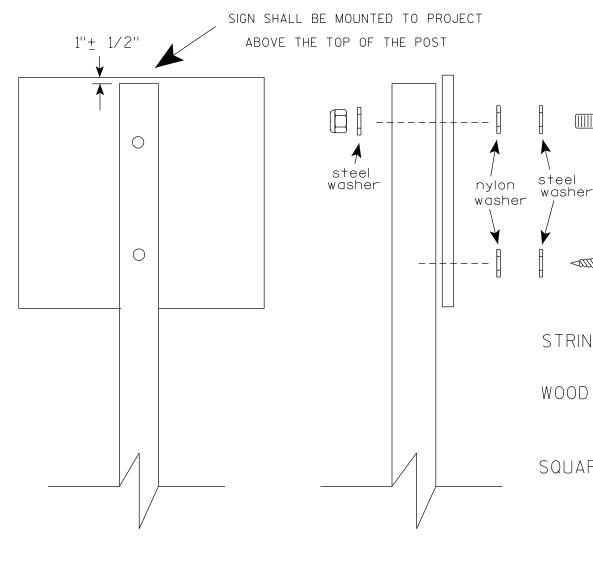
WISDOT/CADDS SHEET 42

OF TYPE II SIGNS ON MULTIPLE POSTS

TYPICAL INSTALLATION

SHEET NO:

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



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

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

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

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

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

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

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

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

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

ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew

For State Traffic Engineer

SHEET NO:

DATE <u>4/1/202</u>0

PLATE NO. <u>44-8.9</u>

PROJECT NO:

PLOT DATE: 01-APRIL-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

Ε

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN



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

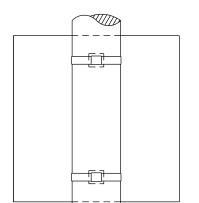
DATE 2/05/15

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

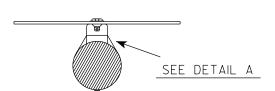
For State Traffic Engineer

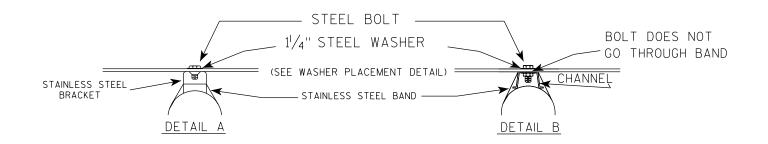


BANDING

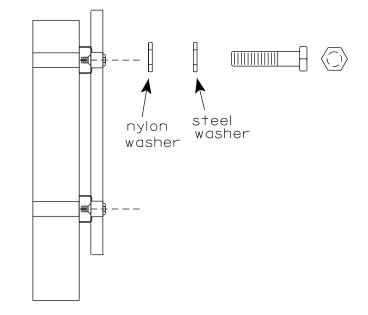


SINGLE SIGN





WASHER PLACEMENT



HWY:

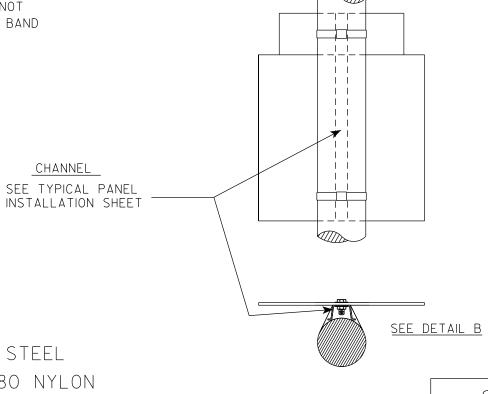
WASHERS (ALL POSTS) -

1-1/4" O.D. X³/₈" I.D. X¹/₁₆" STEEL 1-1/4" O.D. $\times \frac{3}{8}$ " I.D. \times .080 NYLON FOR ALL TYPE H SIGNS

GENERAL NOTES

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

"J" ASSEMBLY



STANDARD SIGN SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

SHEET NO:

State Traffic Engineer

Ε

APPROVED

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

COUNTY:

PLOT DATE: 10-JUN 2019 4:10

PLOT NAME :

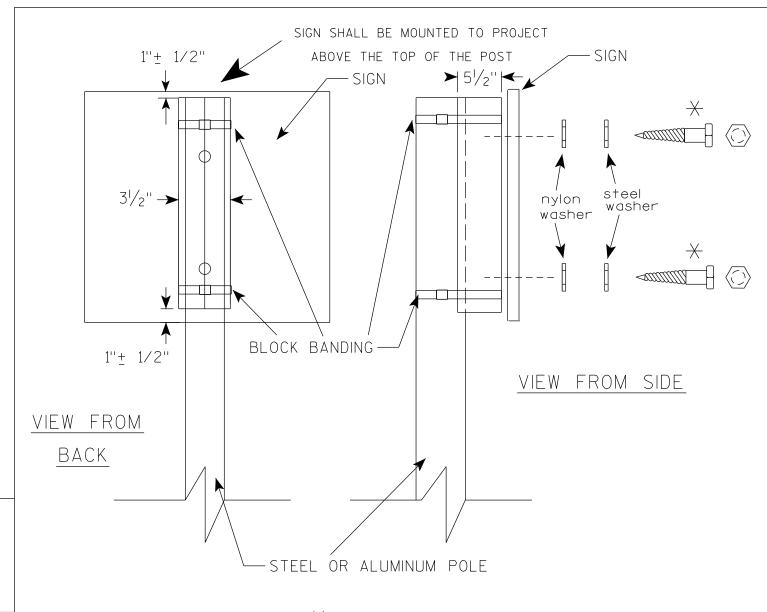
PLOT SCALE: \$\$.....plotscale.....\$\$ WISDOT/CADDS SHEET 42

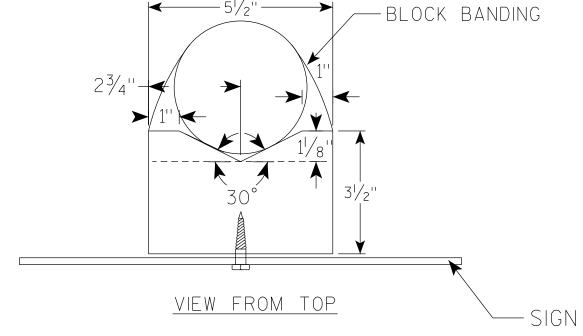
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn

PROJECT NO:

PLOT BY: mscj9h

CHANNEL





GENERAL NOTES

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

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

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

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

| APPROVED

For State Traffic Engineer

SHEET NO:

Matthew R

DATE 6/10/19

PLATE NO. _A5-10.2

PROJECT NO:

FILE NAME: C:\CAEfiles\Projects\tr_stdplate\A510.dgn

PLOT DATE: 10-JUN 2019 4:15

PLOT BY: mscj9h

WISDOT/CADDS SHEET 42

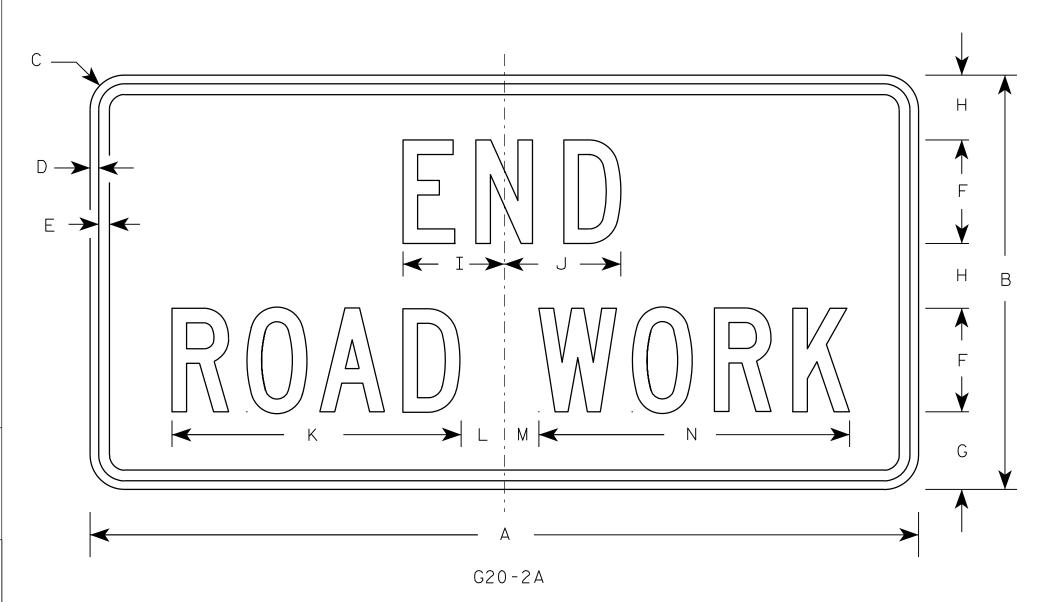
NOTES

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

COUNTY:

STANDARD SIGN G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

AP

for State Traffic Engineer

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

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\G202A.DGN

HWY:

PROJECT NO:

PLOT DATE: 30-SEP-2009 09:31

PLOT BY : ditjph

PLOT NAME :

PLOT SCALE : 5.561773:1.000000

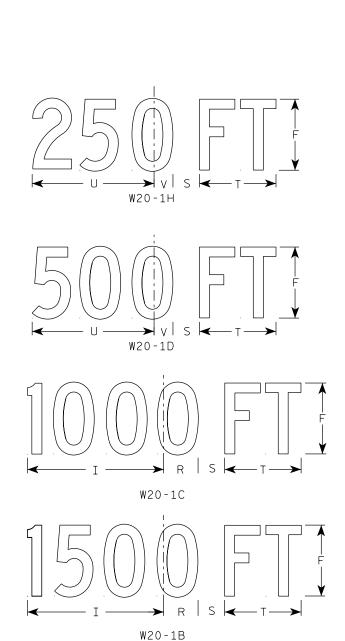
5.561773:1.000000 WISDOT/CADDS SHEET 42

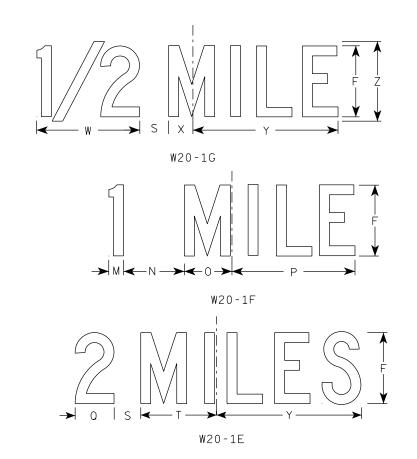
NOTES

- 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.





SIZE	А	В	С	D	E	F	G	H I	J	K	_ M	N	0	Р	Q	R	S	Т	U	٧	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 % 8	7/8 1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 %	9	1 3/8	8	1 3/4	10 3/4	6	9.0
25	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	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 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8	13 3/4	2 1/8	11 1/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8 15 3/8	11 1/8	12 1/8 14	3/8 1 5/8	6 1/8	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 3/4	2 1/8	11 1/8	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 %	5 3/8	13 1/8	4 3/8	3 1/8	3	8 %	13 ¾	2 1/8	11 1/8	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

 f_{or} State Traffic Engineer
DATE 3/25/2020 PLATE NO. W20-1.11

SHEET NO:

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN

PROJECT NO:

W20-1A

PLOT DATE: 25-MARCH-2020

PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

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.

W20-5D

W20-5B

W20-5G

PLOT BY: mscj9h

->I0I← R-		
	W20-5F	

	W20-5A															11 2	20-56										
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	6	1 5/8	5/8	3/4	5	7/8	2 1/2	13 1/8	10 ¾	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 %	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 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 3/8	2 3/8	10 %	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 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	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 %	19	18 3/8	16	14 1/4	1 %	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	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 %	19	18 3/8	16	14 1/4	1 %	1 1/2	6	4 5/8	12	2 %	7 1/2	13 1/2	3 %	2 3/8	10 %	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 %	19	18 3/8	16	14 1/4	1 1/8	1 1/2	6	4 %	12	2 %	7 1/2	13 1/2	3 3/8	2 3/8	10 %	16.0

COUNTY:

STANDARD SIGN W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Kauch Fer State Traffic Engineer DATE 3/18/11 PLATE NO. W20-5.11

SHEET NO:

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN

PROJECT NO:

HWY:

W20-56A

W20-55A

PLOT DATE: 18-MAR-2011 12:15

PLOT NAME :

PLOT SCALE: 11.918087:1.000000

WISDOT/CADDS SHEET 42



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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