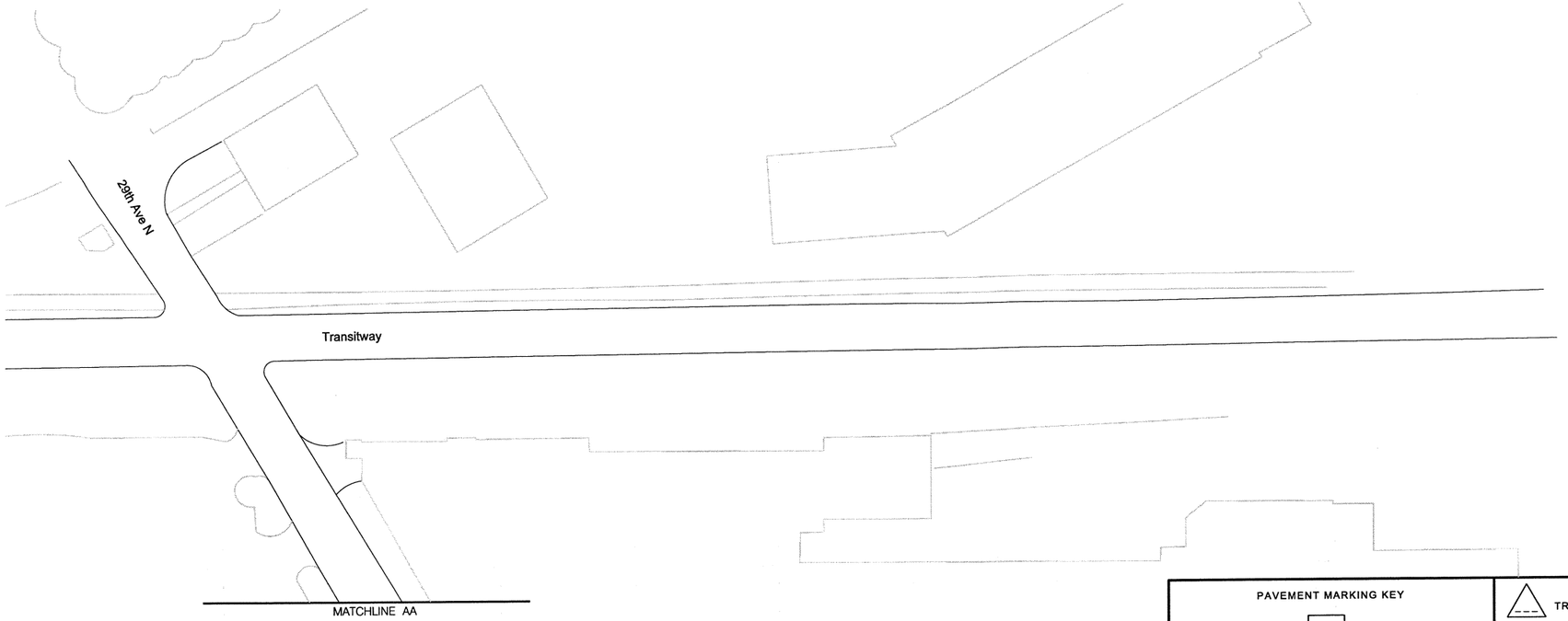
1:49:28 PM

6/10/2010

S:\KO\M\Mnpls\107438\5-dsgn\51-cadd\Civil\plnshts\Phase 1\27th Ave SE_SS.dgn
plansheets



EXISTING

PROPOSED

PAVEMENT MARKING KEY

1ST DIGIT WIDTH: 4", 8", ETC.

2ND DIGIT PATTERN: S - SOLID; B - BROKEN; D - DOTTED/DOUBLE

3RD DIGIT COLOR: W - WHITE; Y - YELLOW; B - BLACK

EXAMPLE: 4SW = 4" SOLID LINE WHITE-POLY PREFORM

TRIANGLE - PAINT

SQUARE - POLY PREFORM (GROUND IN)

PAVEMENT MESSAGE (LANE ARROW)

PAVEMENT MESSAGE (BIKE SYMBOL WITH SHARROW)

PAVEMENT MESSAGE (BIKE SYMBOL WITH ARROW)

EXISTING PAVEMENT MARKINGS

N

40 0 40 80
scale 20 feet

SPECIFIC NOTE:

1 FURNISH AND INSTALL

S.P. 141-091-015

DESIGN TEAM				
DRAWN BY: MTT				
DESIGNER: DRB				
CHECKED BY: HNK	NO.	BY	DATE	REVISIONS

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: Heather N. Kienitz Lic. No. 42804
Licensed Professional Engineer

Printed Name: HEATHER N. KIENITZ Date: 6/10/2010

MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS

SEH
PHONE: (651)490-2000
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110

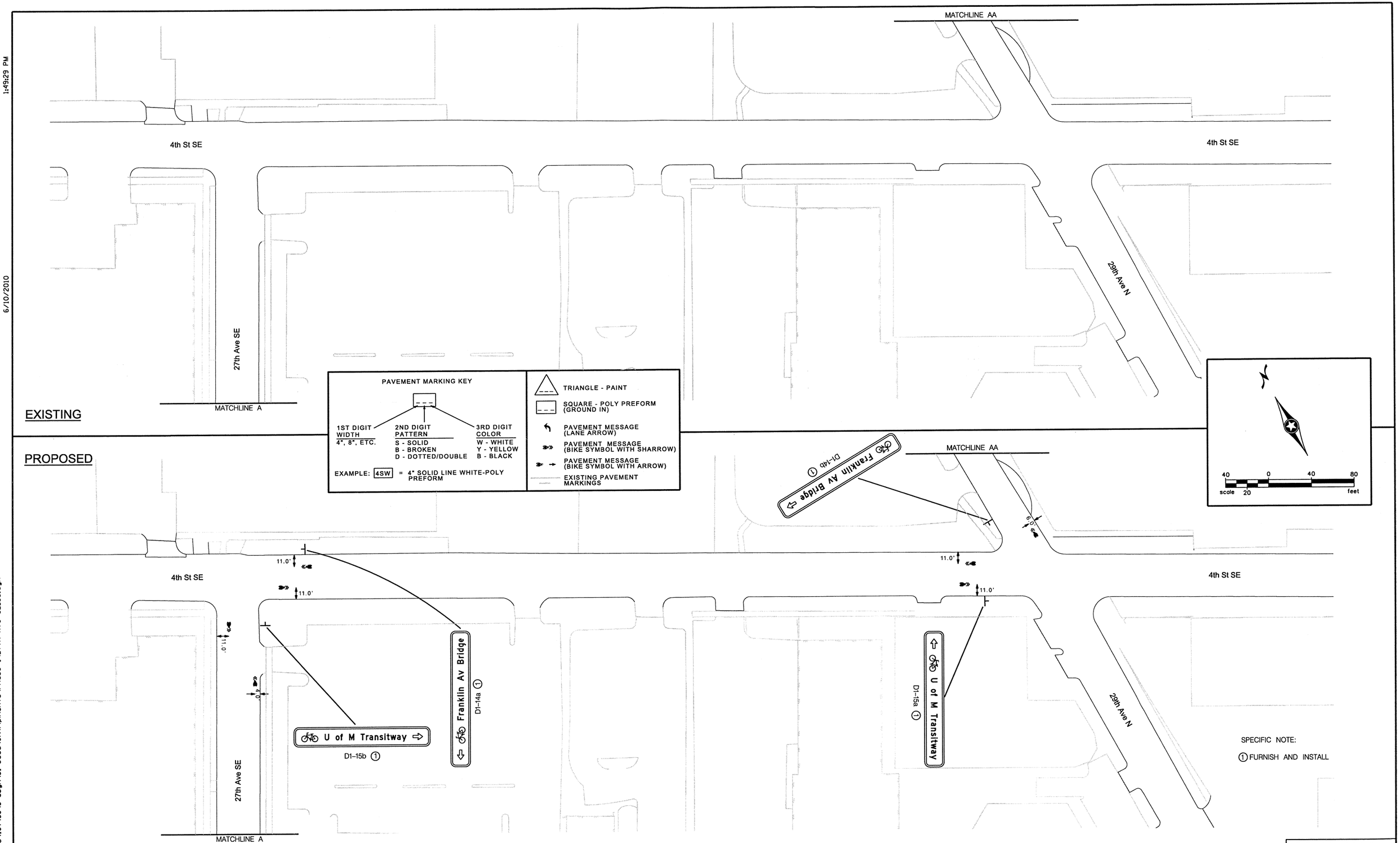
MINNEAPOLIS, MINNESOTA
S.P. 141-091-015

27TH AVENUE SOUTHEAST
C.S.A.H. 5
BIKE LANE IMPROVEMENTS

FILE NO. MNPLS107438

1 OF 5

28 / 38



S.P. 141-091-015

DESIGN TEAM				
DRAWN BY: MTT				
DESIGNER: DRB				
CHECKED BY: HNK	NO.	BY	DATE	REVISIONS

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Certified By: Licensed Professional Engineer Lic. No. 42804
Printed Name: HEATHER N. KIENITZ Date: 6/10/2010

MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS

SEH
PHONE: (651)490-2000
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110

MINNEAPOLIS, MINNESOTA
S.P. 141-091-015

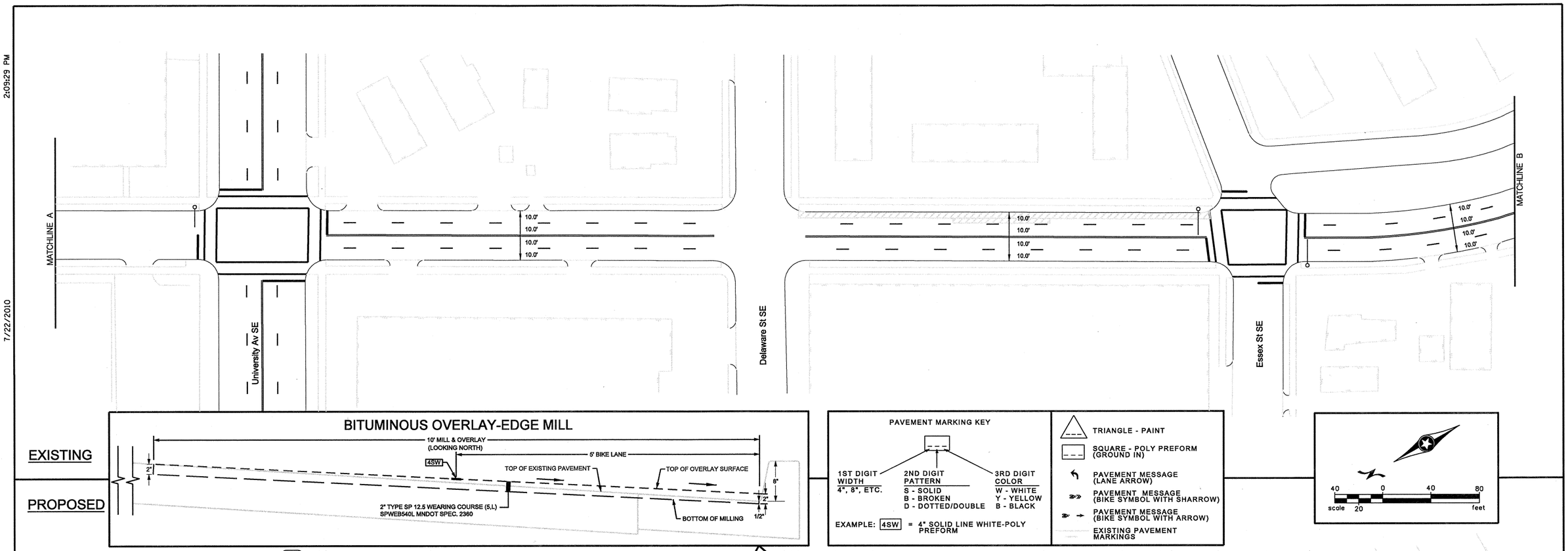
27TH AVENUE SOUTHEAST C.S.A.H. 5 BIKE LANE IMPROVEMENTS

FILE NO. MNPLS107438

2 OF 5

29 / 38

1:49:29 PM
6/10/2010
S:\KO\M\Mnpls\107438\5-dsgn\51-cadd\Civil\plnshts\Phase 1\27th Ave SE_SS.dgn
plansheets



MILL & OVERLAY NOTES

1. IN SOME AREAS, THE MILLED AREA MAY EXCEED 10' FROM THE CURB, WHERE EXCESSIVE CRACKING OF THE EXISTING PAVEMENT IS VISIBLE.
2. THE ENGINEER IN THE FIELD SHALL DETERMINE THESE LOCATIONS, IN ORDER TO PROVIDE A SMOOTH JOINT BETWEEN THE OVERLAY AND THE EXISTING PAVEMENT.

= MILL & OVERLAY (TO BE DONE BY OTHERS)

ITEM NO. 2232.501	MILL BITUMINOUS SURFACE	735 SQ YD
ITEM NO. 2357.502	BITUMINOUS MATERIAL FOR TACK COAT	37 GAL
ITEM NO. 2360.501	TYPE SP 12.5 WEARING COURSE (5,L)	83 TON

SPECIFIC NOTES:

1 FURNISH AND INSTALL

4 CITY OF MINNEAPOLIS WILL FURNISH AND INSTALL SIGN..

S.P. 141-091-015

DESIGN TEAM				
DRAWN BY: MTT				
DESIGNER: DRB				
CHECKED BY: HNK	NO.	BY	DATE	REVISIONS

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Certified By: Licensed Professional Engineer Lic. No. 42804
Printed Name: HEATHER N. KIENITZ Date: 7/22/2010

MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS

SEH PHONE: (651)490-2000 3535 VADNAIS CENTER DR. ST. PAUL, MN 55110

MINNEAPOLIS, MINNESOTA
S.P. 141-091-015

27TH AVENUE SOUTHEAST
C.S.A.H. 5
BIKE LANE IMPROVEMENTS

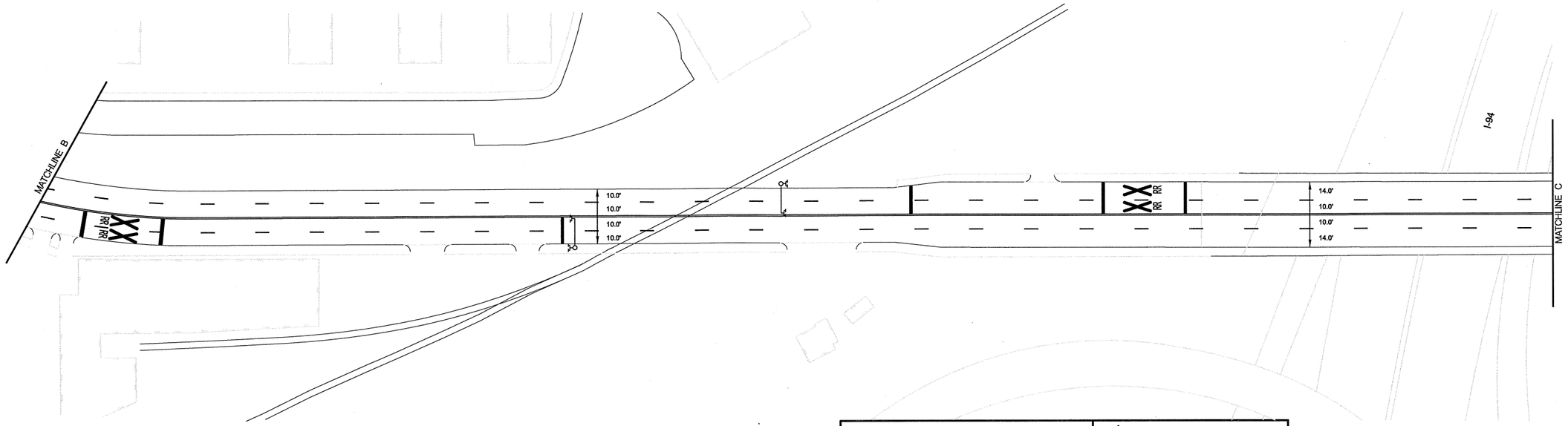
FILE NO. MNPLS107438
3 OF 5
30 / 38

S:\KOM\Mnpls\107438\5-dsgn\51-cadd\Civil\plnshts\Phase 1\27th Ave SE_SS.dgn
plansheets

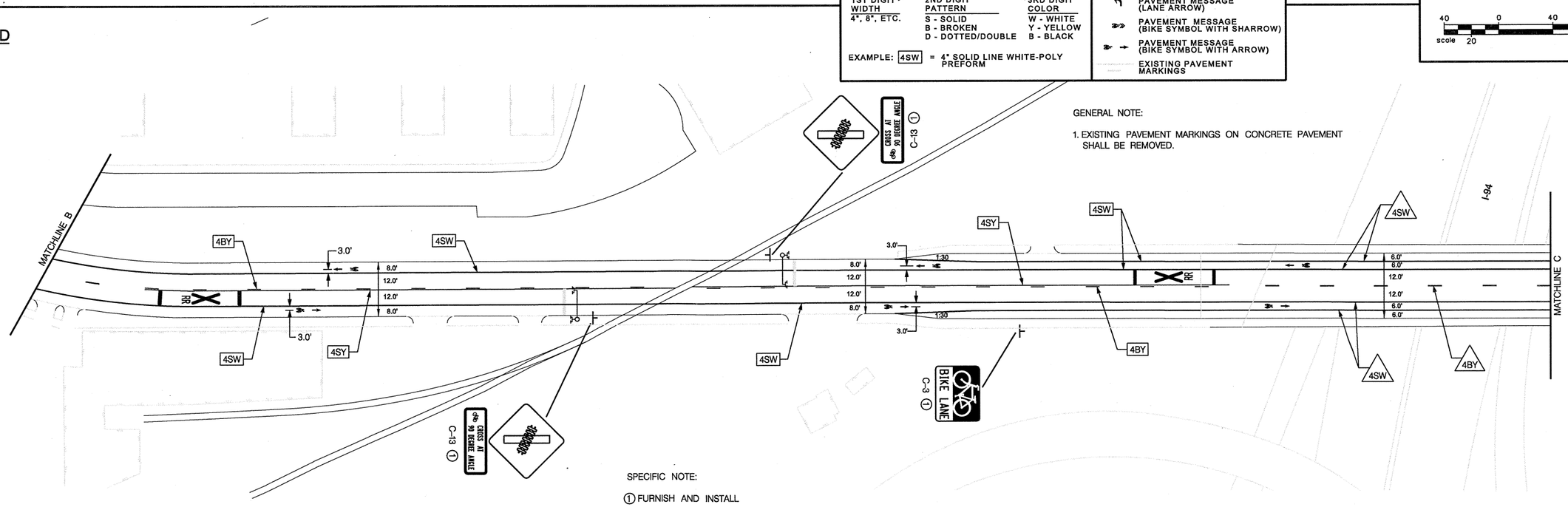
2:09:31 PM

7/22/2010

EXISTING



PROPOSED



PAVEMENT MARKING KEY

1ST DIGIT WIDTH: 4", 8", ETC.

2ND DIGIT PATTERN: S - SOLID; B - BROKEN; D - DOTTED/DOUBLE

3RD DIGIT COLOR: W - WHITE; Y - YELLOW; B - BLACK

EXAMPLE: 4SW = 4" SOLID LINE WHITE-POLY PREFORM

TRIANGLE - PAINT

SQUARE - POLY PREFORM (GROUND IN)

PAVEMENT MESSAGE (LANE ARROW)

PAVEMENT MESSAGE (BIKE SYMBOL WITH SHARROW)

PAVEMENT MESSAGE (BIKE SYMBOL WITH ARROW)

EXISTING PAVEMENT MARKINGS

40 0 40 80
scale 20 feet

GENERAL NOTE:

1. EXISTING PAVEMENT MARKINGS ON CONCRETE PAVEMENT SHALL BE REMOVED.

SPECIFIC NOTE:

① FURNISH AND INSTALL

S.P. 141-091-015

DESIGN TEAM				
DRAWN BY: MTT				
DESIGNER: DRB				
CHECKED BY: HNK	NO.	BY	DATE	REVISIONS

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: [signature] Lic. No. 42804
Licensed Professional Engineer

Printed Name: HEATHER N. KIENITZ Date: 7/22/2010

MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS

SEH PHONE: (651)490-2000 3535 VADNAIS CENTER DR. ST. PAUL, MN 55110

MINNEAPOLIS, MINNESOTA
S.P. 141-091-015

27TH AVENUE SOUTHEAST
C.S.A.H. 5
BIKE LANE IMPROVEMENTS

FILE NO. MNPLS107438

4 OF 5

31 / 38

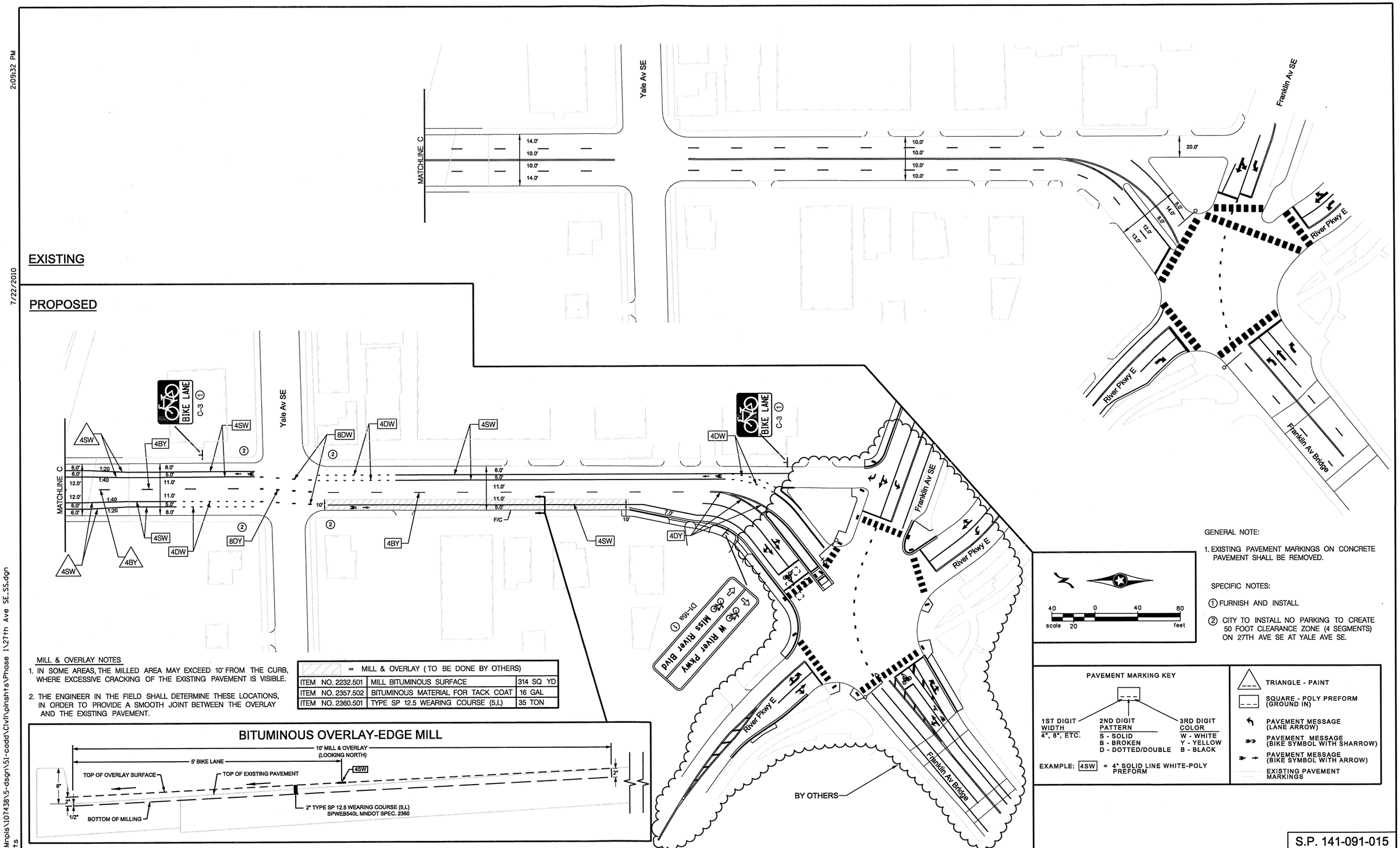
S:\K0\M\Mnpls\107438\5-dsgn\51-cadd\Civil\plnshts\Phase 1\27th Ave SE_SS.dgn
plansheets

2:09:32 PM

7/22/2010

S:\K0\M\Mnpls\107438\5-dsgn\51-cadd\Civil\plnshts\Phase 1\27th Ave SE_SS.dgn

plansheets



MILL & OVERLAY NOTES

1. IN SOME AREAS, THE MILLED AREA MAY EXCEED 10' FROM THE CURB, WHERE EXCESSIVE CRACKING OF THE EXISTING PAVEMENT IS VISIBLE.
2. THE ENGINEER IN THE FIELD SHALL DETERMINE THESE LOCATIONS, IN ORDER TO PROVIDE A SMOOTH JOINT BETWEEN THE OVERLAY AND THE EXISTING PAVEMENT.

= MILL & OVERLAY (TO BE DONE BY OTHERS)		
ITEM NO. 2232.501	MILL BITUMINOUS SURFACE	314 SQ YD
ITEM NO. 2357.502	BITUMINOUS MATERIAL FOR TACK COAT	16 GAL
ITEM NO. 2360.501	TYPE SP 12.5 WEARING COURSE (5,L)	35 TON

BITUMINOUS OVERLAY-EDGE MILL

GENERAL NOTE:

1. EXISTING PAVEMENT MARKINGS ON CONCRETE PAVEMENT SHALL BE REMOVED.

SPECIFIC NOTES:

① FURNISH AND INSTALL

② CITY TO INSTALL NO PARKING TO CREATE 50 FOOT CLEARANCE ZONE (4 SEGMENTS) ON 27TH AVE SE AT YALE AVE SE.

PAVEMENT MARKING KEY

1ST DIGIT WIDTH	2ND DIGIT PATTERN	3RD DIGIT COLOR
4", 8", ETC.	S - SOLID B - BROKEN D - DOTTED/DOUBLE	W - WHITE Y - YELLOW B - BLACK

EXAMPLE: 4SW = 4" SOLID LINE WHITE-POLY PREFORM

- TRIANGLE - PAINT
- SQUARE - POLY PREFORM (GROUND IN)
- PAVEMENT MESSAGE (LANE ARROW)
- PAVEMENT MESSAGE (BIKE SYMBOL WITH SHARROW)
- PAVEMENT MESSAGE (BIKE SYMBOL WITH ARROW)
- EXISTING PAVEMENT MARKINGS

S.P. 141-091-015

DESIGN TEAM	NO.	BY	DATE	REVISIONS
DRAWN BY: MTT				
DESIGNER: DRB				
CHECKED BY: HNK				

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Certified By: Heather N. Kienitz Lic. No. 42804
Licensed Professional Engineer
Printed Name: HEATHER N. KIENITZ Date: 7/22/2010

MINNEAPOLIS DEPARTMENT OF PUBLIC WORKS

SEH PHONE: (651)490-2000 3535 VADNAIS CENTER DR. ST. PAUL, MN 55110

MINNEAPOLIS, MINNESOTA
S.P. 141-091-015

27TH AVENUE SOUTHEAST C.S.A.H. 5 BIKE LANE IMPROVEMENTS

FILE NO. MNPLS107438

5 OF 5

32 / 38