

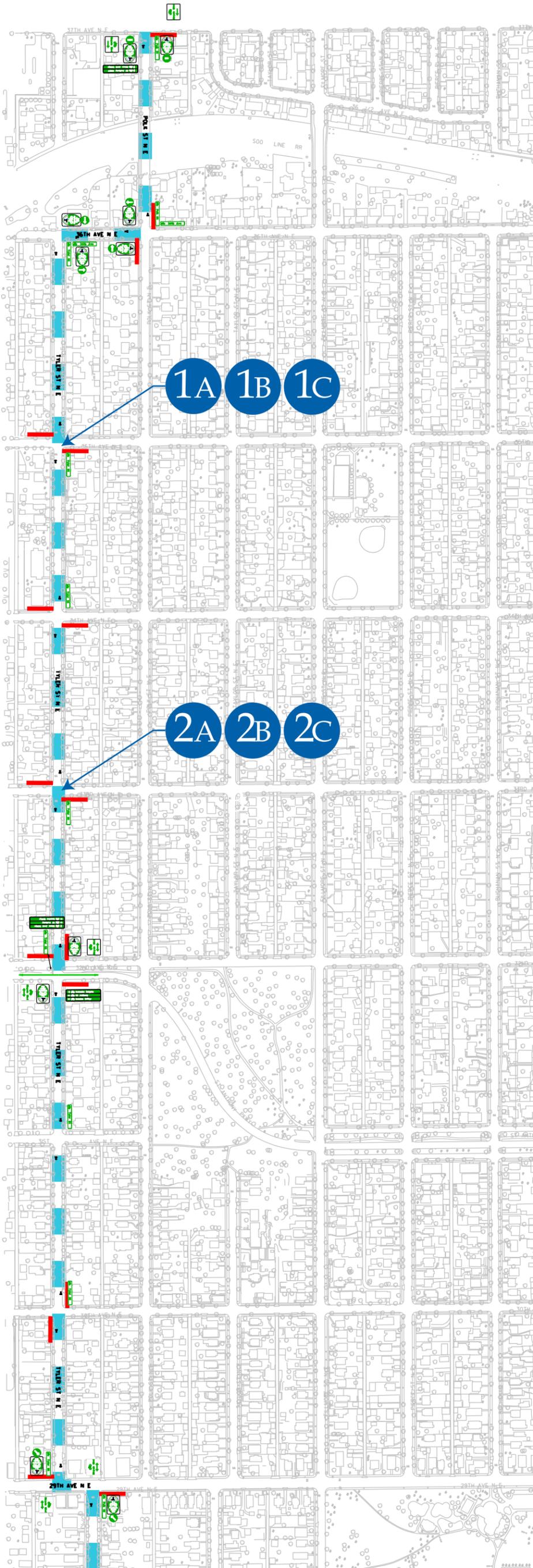
Bicycle Boulevard - Alternatives Matrix

Stone Arch								
MAP ID No.	Intersection	Alternatives	Estimated Quantities (LS or EA)	Unit Cost	Total Cost	Percent of Construction Budget	Exhibit	Comments
Bicycle Boulevard Basic Elements								
A	Pavement Markings	Required	70	\$300	\$21,000	8%	As Shown	
B	Route Marker Signs	Required	46	\$150	\$6,900	3%	As Shown	
C	Advanced Identity Signs	Required	19	\$250	\$4,750	2%	As Shown	
D	Wayfinding / Destination Signs	Required	43	\$250	\$10,750	4%	As Shown	
E	Modified Street Name Signs	Required	56	\$125	\$7,000	3%	As Shown	
	Education and Promotion	Required	1	\$6,500	\$6,500	3%	-	
					\$56,900	22%		
Bicycle Boulevard Corridor Elements								
Intersection Treatments and Spot Improvement Alternatives								
1	Tyler Street NE and 35th Avenue NE	Alt A: Remove Stop Signs and Construct a Traffic Circle Alt B: Relocate Stop Signs From N/S to E/W and Provide Curb Extensions Alt C: Relocate Stop Signs From North and South Approaches to East and West Approaches	1 1 1	\$12,000 \$22,000 \$1,200	\$12,000 \$22,000 \$1,200	5% 9% 0%	1 2 -	
2	Tyler Street NE and 33rd Avenue NE	Alt A: Remove Stop Signs and Construct a Traffic Circle Alt B: Relocate Stop Signs From N/S to E/W and Provide Curb Extensions Alt C: Relocate Stop Signs From North and South Approaches to East and West Approaches	1 1 1	\$12,000 \$22,000 \$1,200	\$12,000 \$22,000 \$1,200	5% 9% 0%	3 4 -	
3	Polk Street NE and Lowry Ave NE	Alt A: Construct Curb Extensions on Polk Street Alt B: Install a Pedestrian Flasher System on Lowry Avenue Alt C: Construct Curb Extensions on Polk Street and a Pedestrian Flasher System on Lowry Avenue	1 1 1	\$20,000 \$50,000 \$68,000	\$20,000 \$50,000 \$68,000	8% 20% 27%	5 5 5	
4	Polk Street NE - 29th Avenue to Lowry Avenue	Alt A: Install Speed Humps - Constructed in Pairs of Two	1	\$10,000	\$10,000	4%	-	
5	Polk Street NE and 23rd Avenue NE	Alt A: Remove Stop Signs for North and South Approaches to Convert Four-way Stop to Two-way Stop	1	\$1,200	\$1,200	0%	-	
6	Fillmore Street NE and 19th-22nd Avenue NE	Alt A: Construct Traffic Circle at Fillmore and 20th Avenue - Remove Stop Sign Alt B: Construct Curb Extensions at 19th Avenue Alt C: Construct Diverter with Center Pass Through for Bicycles / Construct Diverter at 22nd and Buchanan Alt D: Install Speed Humps - Constructed in Pairs of Two	1 1 1 1	\$12,000 \$20,000 \$100,000 \$10,000	\$12,000 \$20,000 \$100,000 \$10,000	5% 8% 40% 4%	6 7 8 -	
7	Fillmore Street NE and Spring Street NE	Alt A: Remove Stop Signs for Fillmore and Spring, Construct Traffic Circle Alt B: Add Curb Extensions at the Fillmore and Spring Intersection Alt C: Install Speed Humps on Fillmore - Constructed in Pairs of Two	1 1 1	\$12,000 \$40,000 \$12,000	\$12,000 \$40,000 \$12,000	5% 16% 5%	9 - -	
8	5th Avenue SE and Hennepin Avenue E	Alt A: Pedestrian Flasher , Paint 'Zebra' Crossing Alt B: Pedestrian Flasher , Paint 'Zebra' Crossing, Construct Median Segments with Pedestrian Refuge Alt C: Pedestrian Flasher , Paint 'Zebra' Crossing and Construct Curb Extensions Alt D: Install Traffic Signal	1 1 1 1	\$50,000 \$60,000 \$70,000 \$150,000	\$50,000 \$60,000 \$70,000 \$150,000	20% 24% 28% 59%	10 11 12 13	
9	6th Avenue SE and 8th Street SE	Alt A: Construct Curb Extensions on All Four Quadrants of Intersection	1	\$40,000	\$40,000	16%	14	
10	6th Avenue SE and 7th Street SE	Alt A: Construct Curb Extensions on All Four Quadrants of Intersection	1	\$40,000	\$40,000	16%	14	
11	6th Avenue SE and 6th Street SE	Alt A: Construct Curb Extensions on All Four Quadrants of Intersection	1	\$40,000	\$40,000	16%	15	
12	6th Avenue SE and 4th Street SE	Alt A: Construct Curb Extensions on Near Sides of 6th Avenue Alt B: Construct Curb Extensions with Bicycle Push Buttons	1 1	\$30,000 \$40,000	\$30,000 \$40,000	12% 16%	15 15	
13	6th Avenue SE and University Avenue SE	Alt A: Construct Curb Extensions Alt B: Construct Curb Extensions with Bicycle Push Buttons	1 1	\$30,000 \$40,000	\$30,000 \$40,000	12% 16%	16 16	
Total Maximum Project Cost¹					\$	613,200		
Basic Elements					\$	56,900		
Total Budget					\$	253,000		
Surplus / Deficit					\$	196,100		

¹ Total project cost is for information only and provides an estimate of 1 full project build-out scenario.

Northeast/Southeast Minneapolis Bike Boulevard

Segment 1 of 4



Traffic Calming Examples

Speed Bumps
 Cost Range: Approx. \$5,000 per pair



Curb Extensions
 Cost Range: Approx. \$40,000 per intersection
 (may vary widely based on drainage considerations)



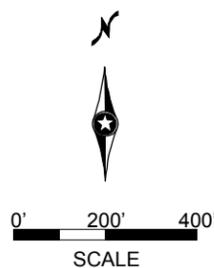
Traffic Circle
 Cost Range: Approx. \$6,000 - \$10,000



Diverter
 Cost Range: Approx. \$50,000+
 (may vary widely by intersection)

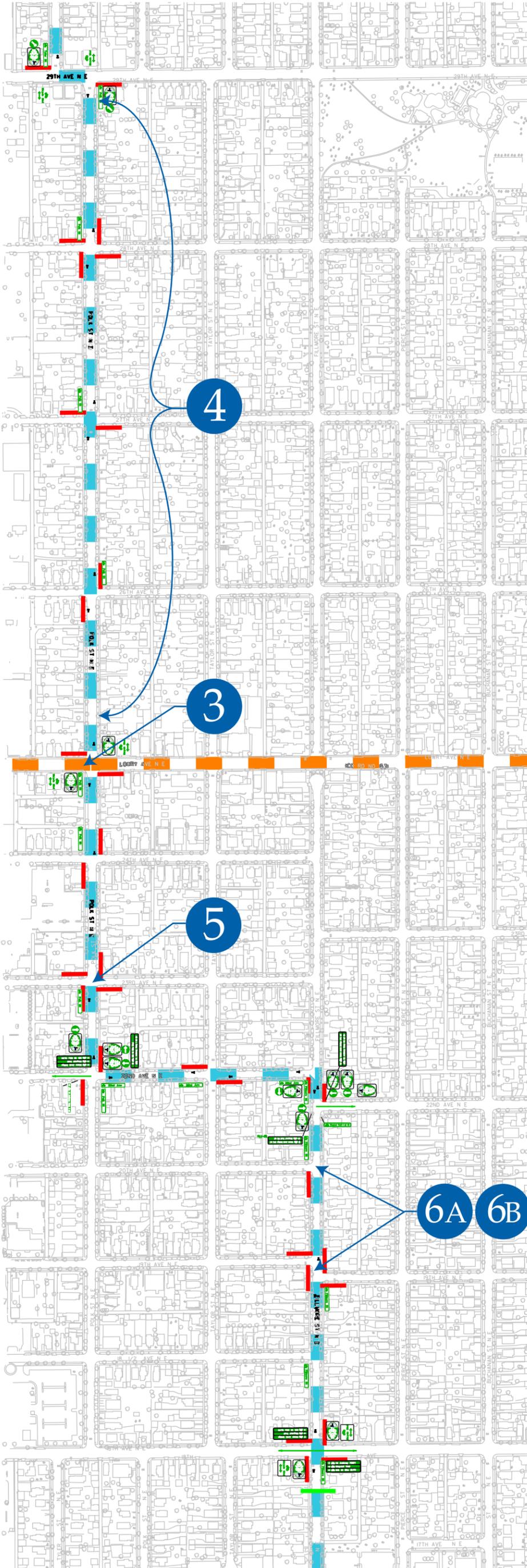


-  NE/SE Minneapolis Bike Blvd.
-  Stop Sign Location
-  ADT > 10,000
-  Other Bicycle Facility
-  Potential Future Traffic Circle (Remove All-Way Stop)
-  Existing Traffic Signal
- Typical Pavement Markings**
-  A
- Typical Route Marker Sign**
-  B
- Advanced Identity Signs**
-  C
- Example Destination Sign**
-  D
- Typical Street Name Sign**
-  E



Northeast/Southeast Minneapolis Bike Boulevard

Segment 2 of 4



Traffic Calming Examples

Speed Bumps
 Cost Range: Approx. \$5,000 per pair



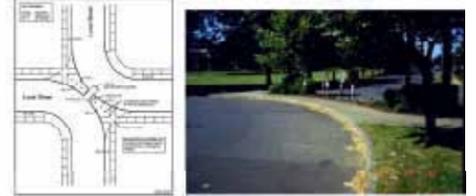
Curb Extensions
 Cost Range: Approx. \$40,000 per intersection
 (may vary widely based on drainage considerations)



Traffic Circle
 Cost Range: Approx. \$6,000 - \$10,000



Diverter
 Cost Range: Approx. \$50,000+
 (may vary widely by intersection)



-  NE/SE Minneapolis Bike Blvd.
-  Stop Sign Location
-  ADT > 10,000

-  Other Bicycle Facility
-  Potential Future Traffic Circle (Remove All-Way Stop)
-  Existing Traffic Signal

Typical Pavement Markings



Typical Route Marker Sign



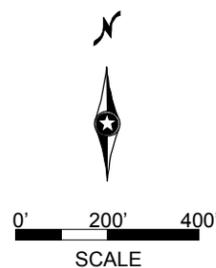
Advanced Identity Signs



Example Destination Sign



Typical Street Name Sign



Northeast/Southeast Minneapolis Bike Boulevard

Segment 3 of 4

Traffic Calming Examples

Speed Bumps
 Cost Range: Approx. \$5,000 per pair



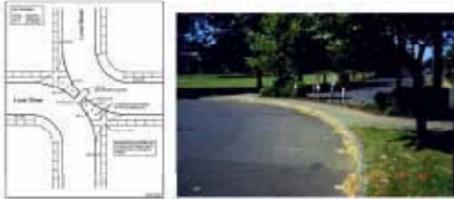
Curb Extensions
 Cost Range: Approx. \$40,000 per intersection
 (may vary widely based on drainage considerations)



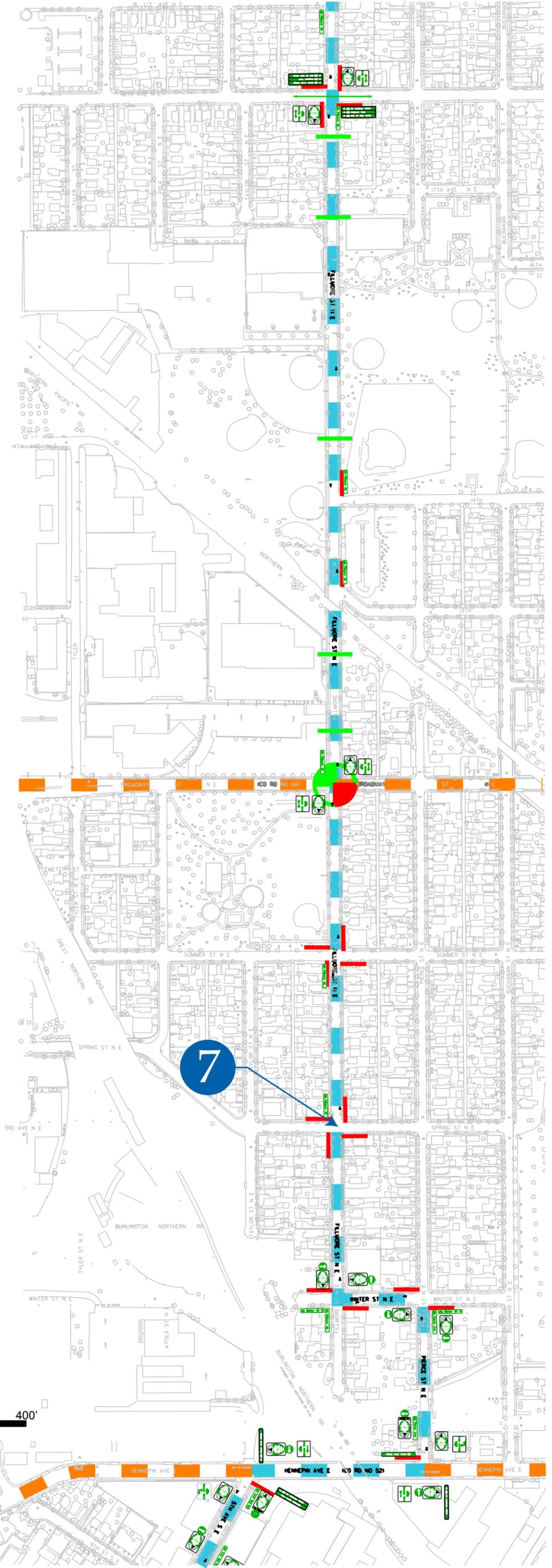
Traffic Circle
 Cost Range: Approx. \$6,000 - \$10,000



Diverter
 Cost Range: Approx. \$50,000+
 (may vary widely by intersection)



-  NE/SE Minneapolis Bike Blvd.
-  Stop Sign Location
-  ADT > 10,000
-  Other Bicycle Facility
-  Potential Future Traffic Circle (Remove All-Way Stop)
-  Existing Traffic Signal
- Typical Pavement Markings**
-  A
- Typical Route Marker Sign**
-  B
- Advanced Identity Signs**
-  C
- Example Destination Sign**
-  D
- Typical Street Name Sign**
-  E



Northeast/Southeast Minneapolis Bike Boulevard Segment 4 of 4

Traffic Calming Examples

Speed Bumps
Cost Range: Approx. \$5,000 per pair



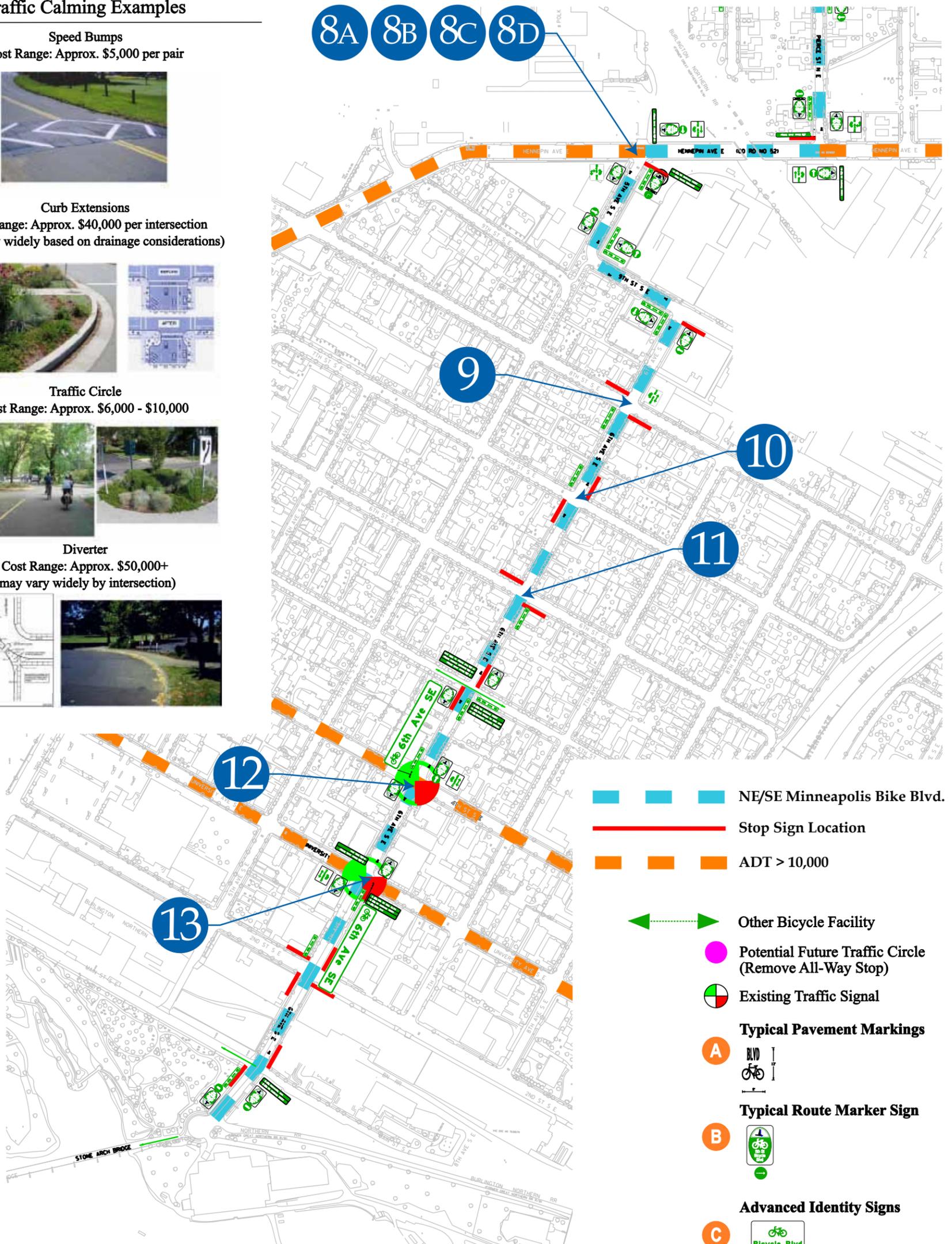
Curb Extensions
Cost Range: Approx. \$40,000 per intersection
(may vary widely based on drainage considerations)



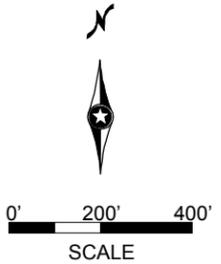
Traffic Circle
Cost Range: Approx. \$6,000 - \$10,000

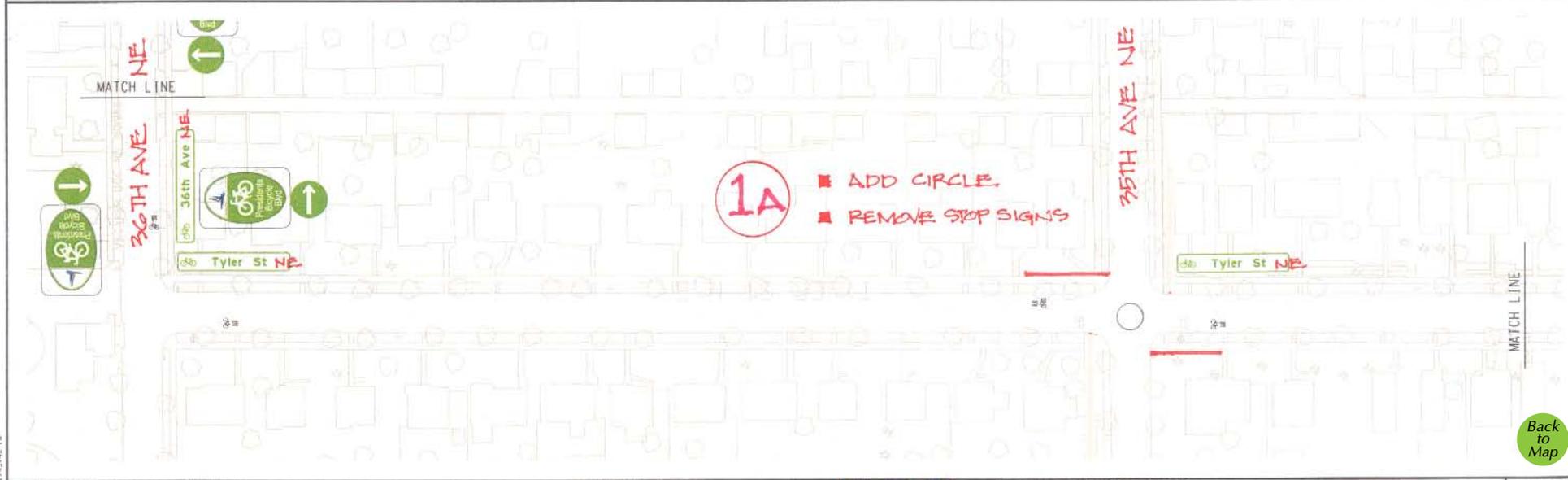
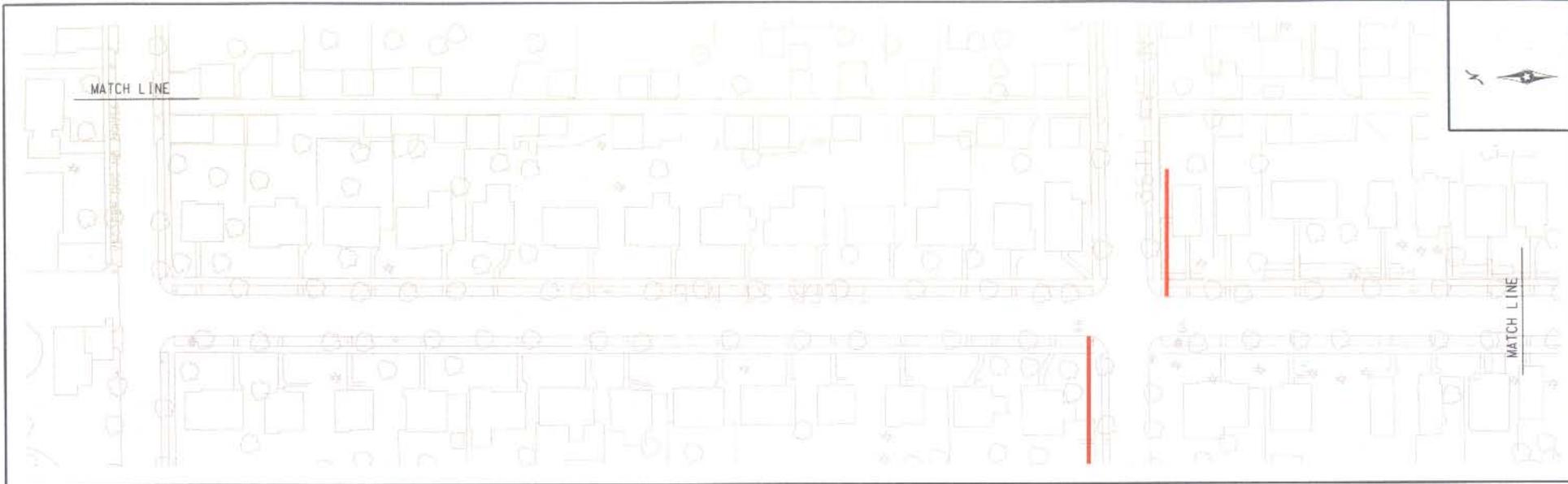


Diverter
Cost Range: Approx. \$50,000+
(may vary widely by intersection)



- NE/SE Minneapolis Bike Blvd.
- Stop Sign Location
- ADT > 10,000
- Other Bicycle Facility
- Potential Future Traffic Circle (Remove All-Way Stop)
- Existing Traffic Signal
- Typical Pavement Markings**
- A
- Typical Route Marker Sign**
- B
- Advanced Identity Signs**
- C
- Example Destination Sign**
- D
- Typical Street Name Sign**
- E





Back to Map

DATE: 2/2/2010 TIME: 11:42:48 PM

DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
OSN BY: <td>DATE: <td></td> <td></td> <td></td> </td>	DATE: <td></td> <td></td> <td></td>			
JFC	01/05/10			
CHR BY: <td>DATE: <td></td> <td></td> <td></td> </td>	DATE: <td></td> <td></td> <td></td>			
JFC	01/05/10			

25067
REG. NO.

01/05/10
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER

1



MATCH LINE

MATCH LINE

MATCH LINE

MATCH LINE

NE

36TH AVE NE

36th Ave NE

Tyler St NE

35TH AVE NE

35 Tyler St NE

1B

- FLIP SDDP SIGNS
- ADD BUMP OUTS

1c

- NO BUMP OUTS



DATE: 1/27/2010 TIME: 14:51:48 PM

DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
OPN BY:	DATE:			
JFC	01/05/10			
CHK BY:	DATE:			
JFC	01/05/10			

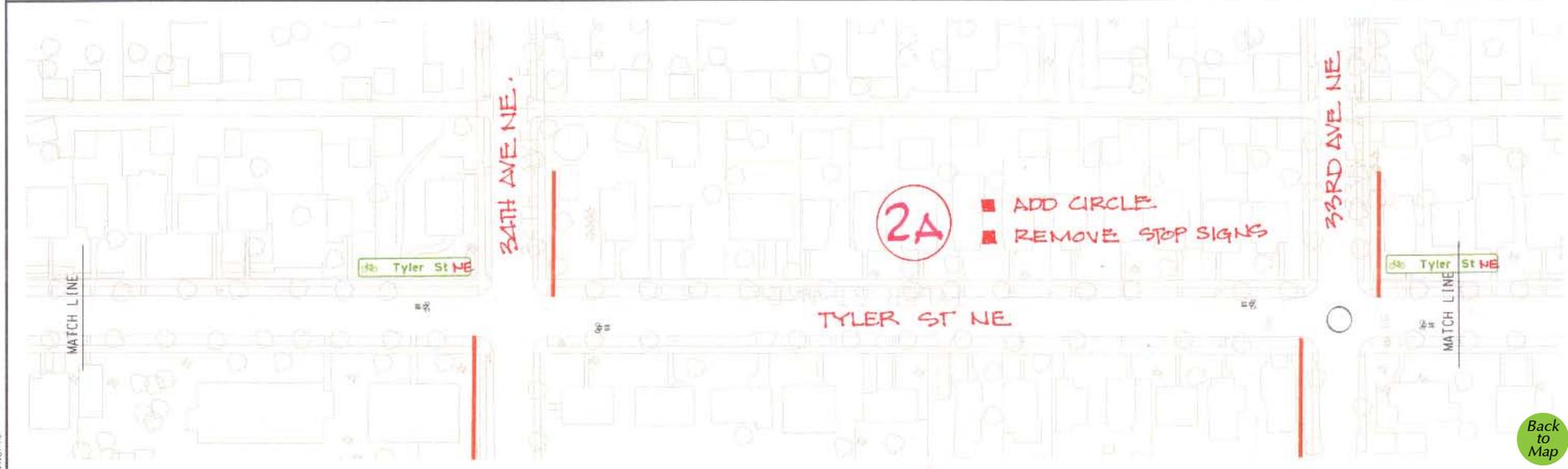
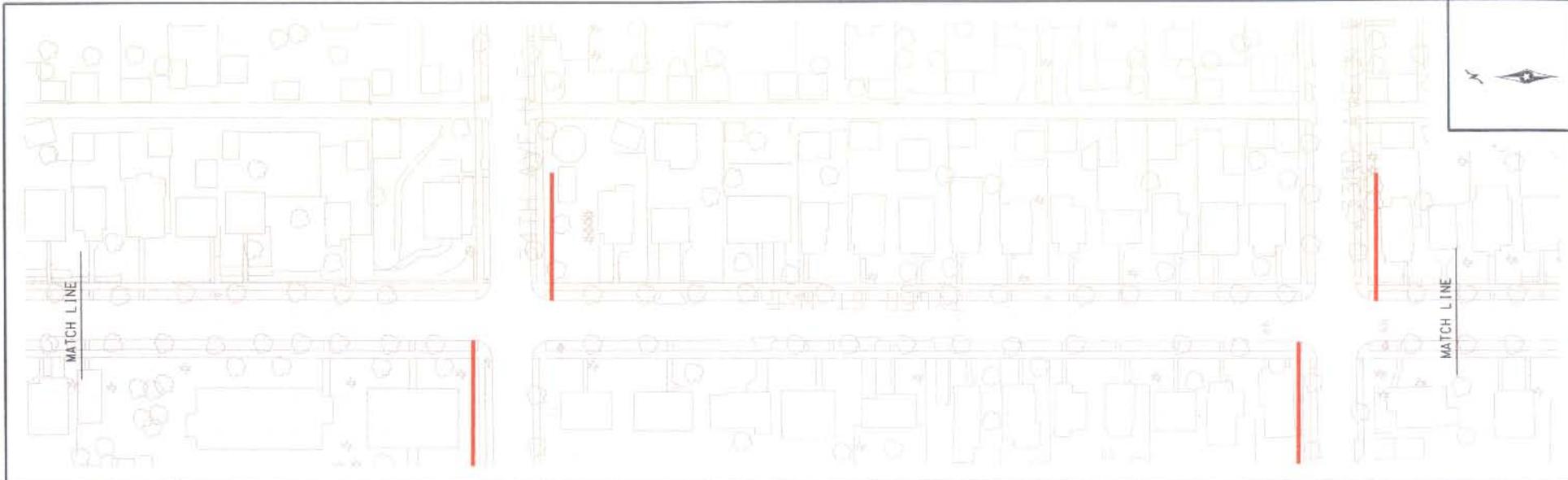
25067	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
REG. NO.	
01/05/10	
DATE	
JOHN F. CRAWFORD, PROFESSIONAL ENGINEER	



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

Back to Map

SHEET NUMBER
2



Back to Map

DATE: 2/2/2010 TIME: 14:40:07 PW

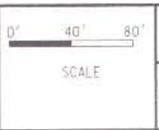
DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
OSN BY:	DATE:			
JFC	01/05/10			
CHK BY:	DATE:			
JFC	01/05/10			

25081
REG. NO.

01/05/10
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A FULLY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

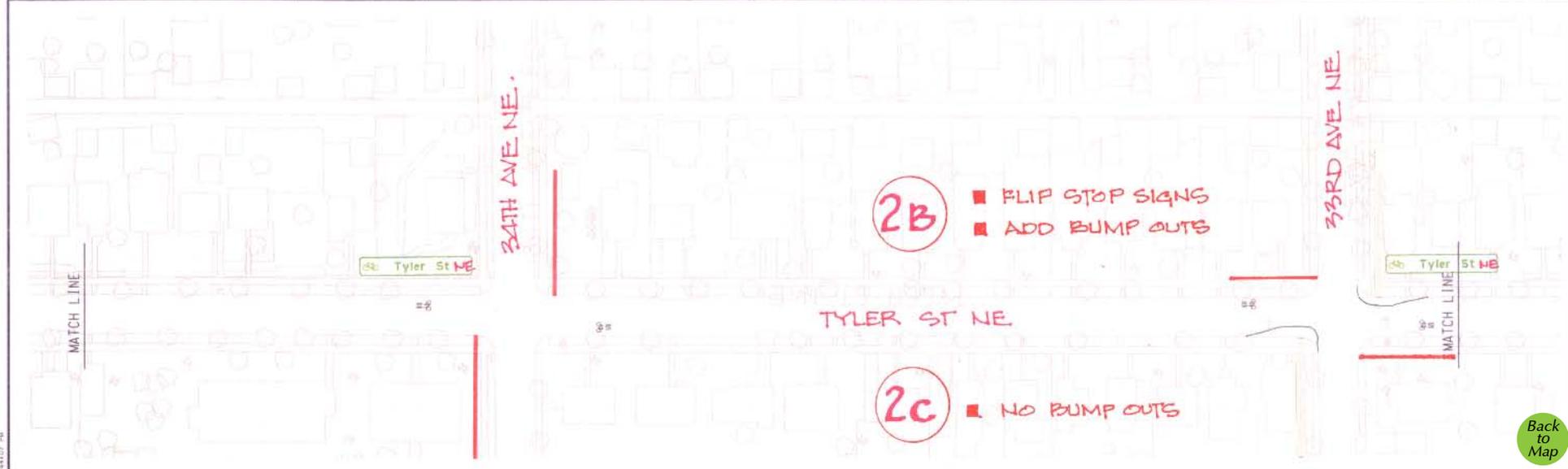
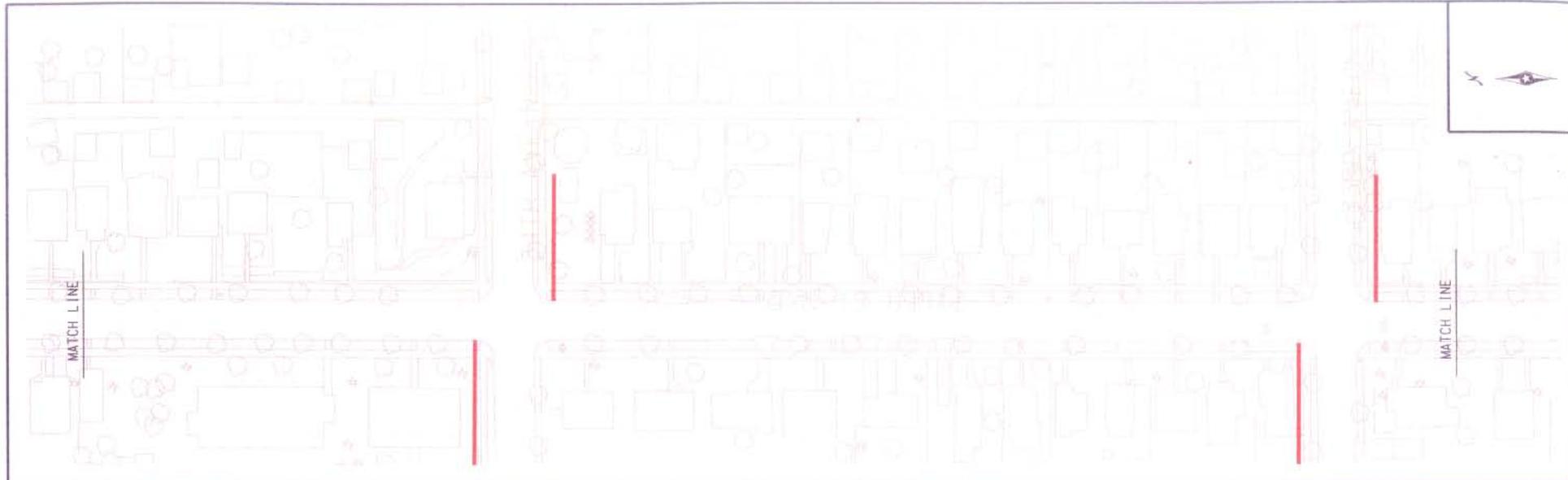
JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO. XXX-XXX-XX	
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER

3



Back to Map

DATE: 3/2/2010 TIME: 11:44:07 AM

DRN BY:	DATE:	REV NO.	BY	DATE	REVISION DESC.
BAC	01/05/10				
DSM BY:	DATE:				
JFC	01/05/10				
CHK BY:	DATE:				
JFC	01/05/10				

25067
REG. NO.
01/08/10
DATE

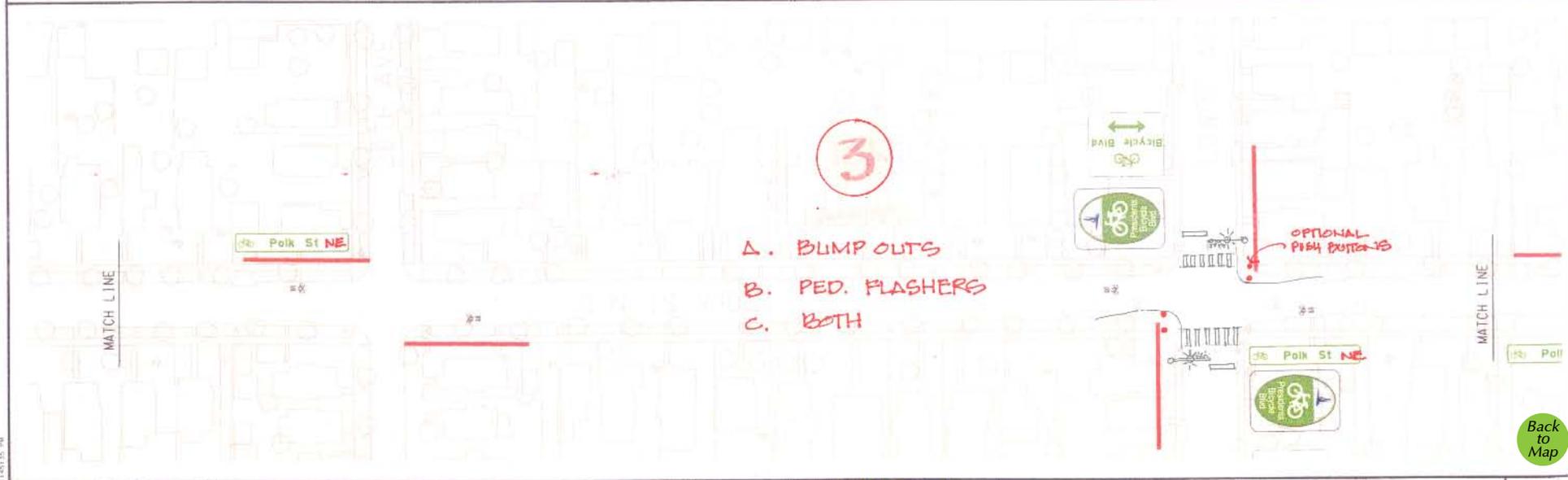
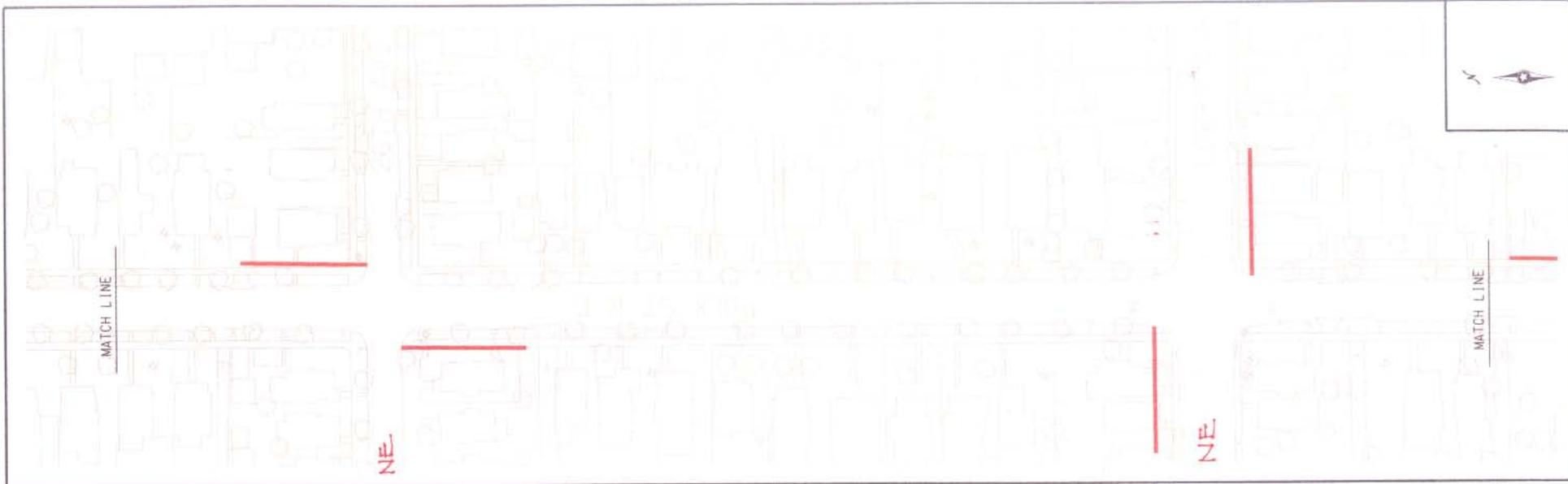
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
4



3

- A. BLUMP OUTS
- B. PED. FLASHERS
- C. BOTH



OPTIONAL POLK BUTTER IS



Polk

Back to Map

DATE: 2/22/2010 TIME: 1:40:15 PM

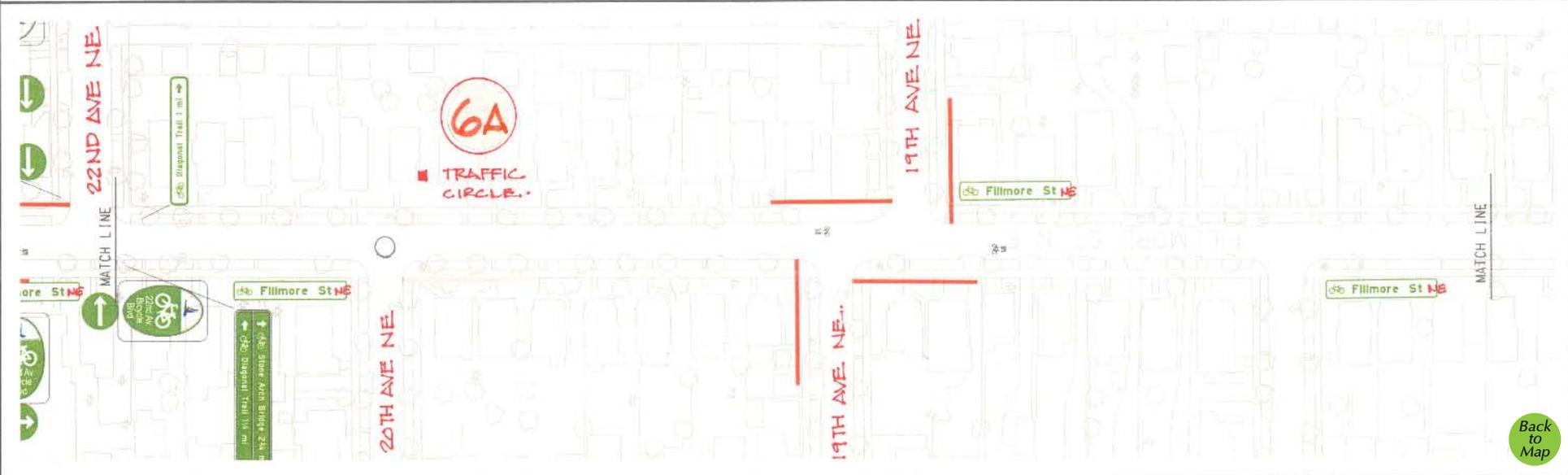
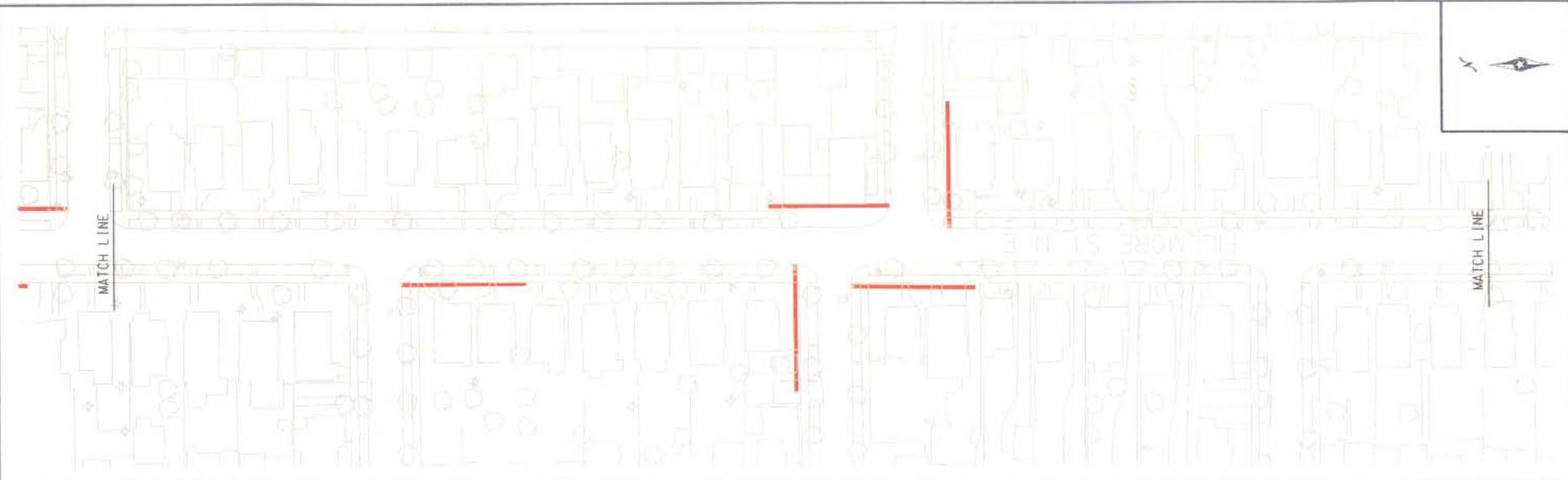
DRN BY:	DATE:	REV.	BY:	DATE:	REVISION DESC.
BAC	01/05/10	NO.			
OSM BY:	DATE:				
JFC	01/05/10				
CHK BY:	DATE:				
JFC	01/05/10				

25067
REG. NO.
01/05/10
DATE
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
JOHN F. CRANFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
5

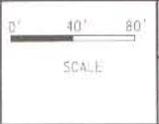


Back to Map

DATE: 2/2/2010 TIME: 8:03:52 AM

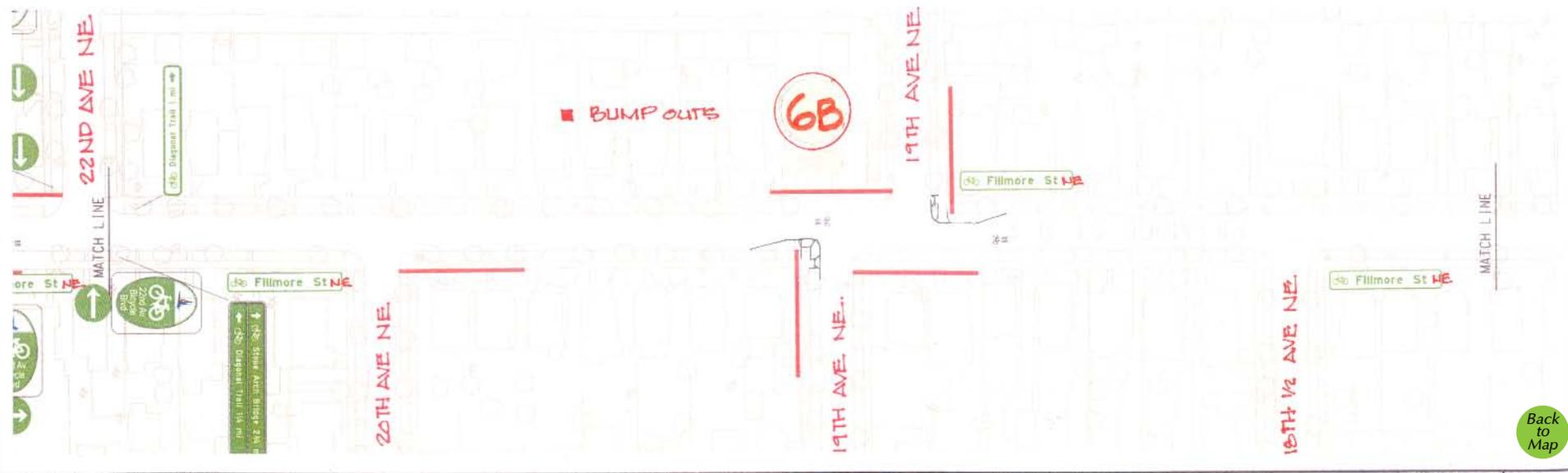
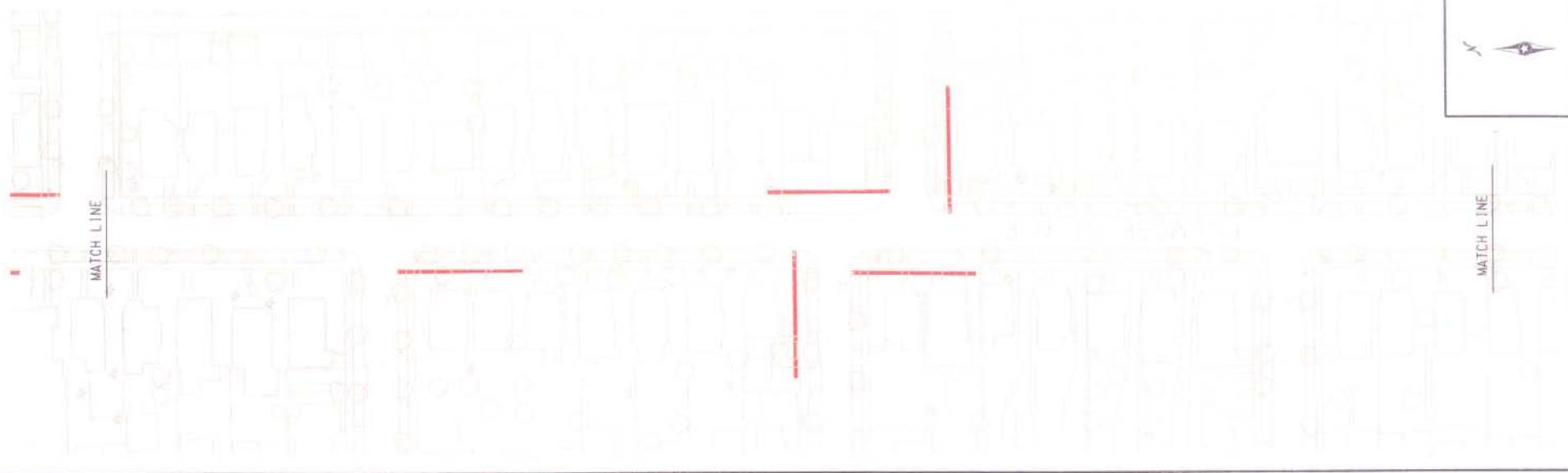
DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
DSN BY:	DATE:			
JFC	01/05/10			
CHK BY:	DATE:			
JFC	01/05/10			

25067	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
REG. NO.	
01/05/10	
DATE	
JOHN F. CRAWFORD, PROFESSIONAL ENGINEER	



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	xxx-xxx-xx
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. xxxx	

SHEET NUMBER
6

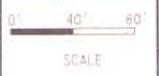


01/15 10:00 AM - 10:00 AM

DRN BY	DATE	REV BY	DATE	REVISION DESC.
BAC	01/05/10			
DSH BY	DATE			
JFC	01/05/10			
CHK BY	DATE			
JFC	01/05/10			

25067
REG. NO.
01/05/10
DATE
JOHN F. CRAWFORD, PROFESSIONAL ENGINEER

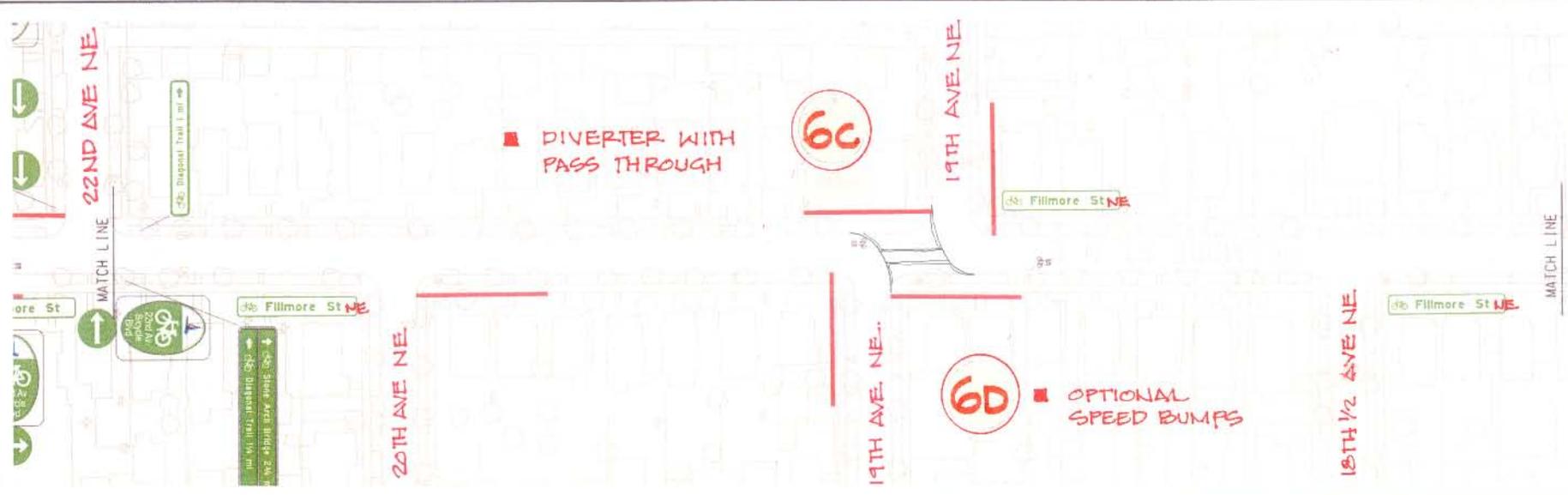
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
7

Back to Map



DATE: 05/20/10 TIME: 04:54:42 AM

DRN BY	DATE	REV NO.	BY	DATE	REVISION	DESC.
BAC	01/05/10					
DSH BY	DATE					
JFC	01/05/10					
CHM BY	DATE					
JFC	01/05/10					

25061
REG. NO.
01/05/10
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER

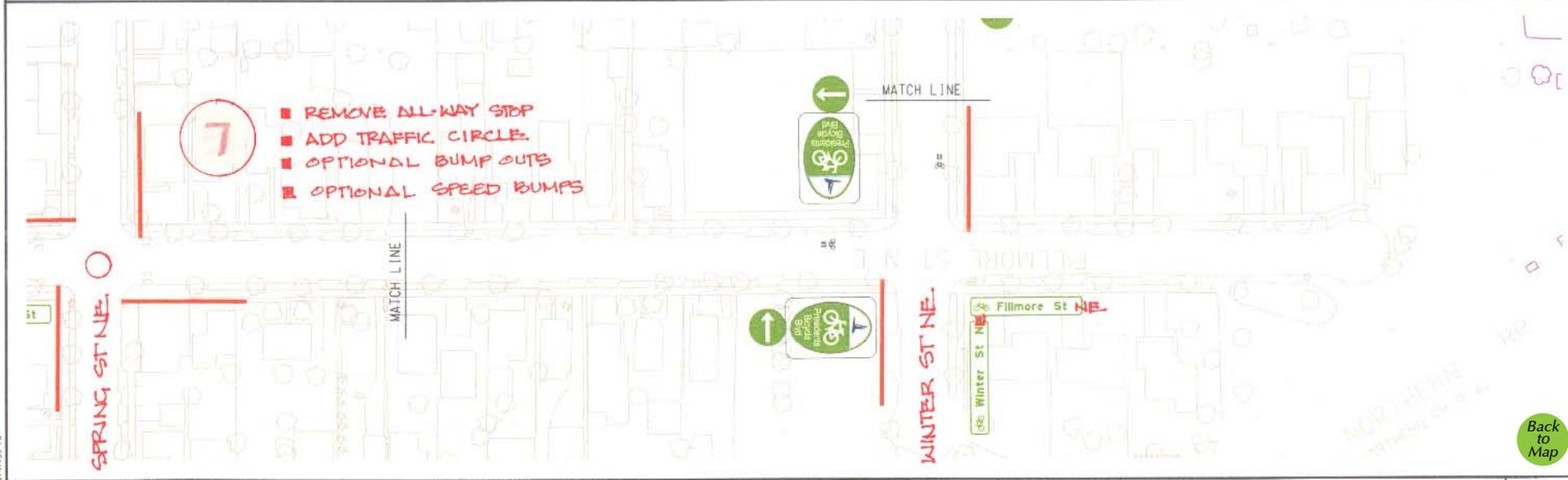
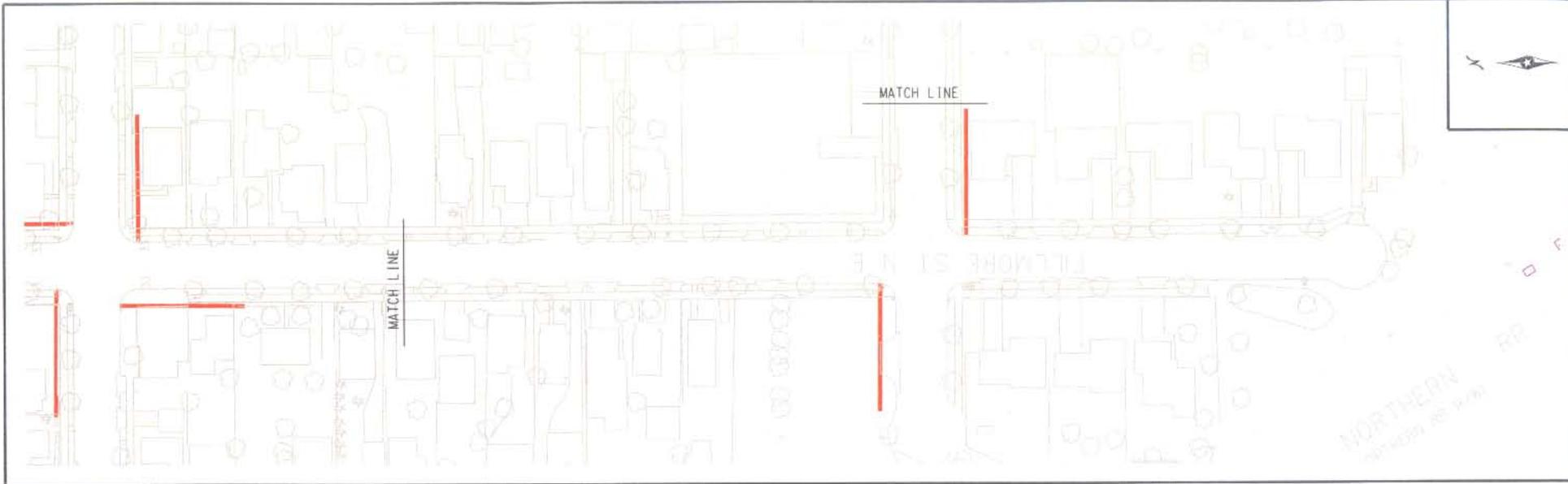


CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER

8

Back to Map



DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
OSN BY:	DATE:			
JFC	01/05/10			
CHK BY:	DATE:			
JFC	01/05/10			

2506T
REG. NO.
01/05/10
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



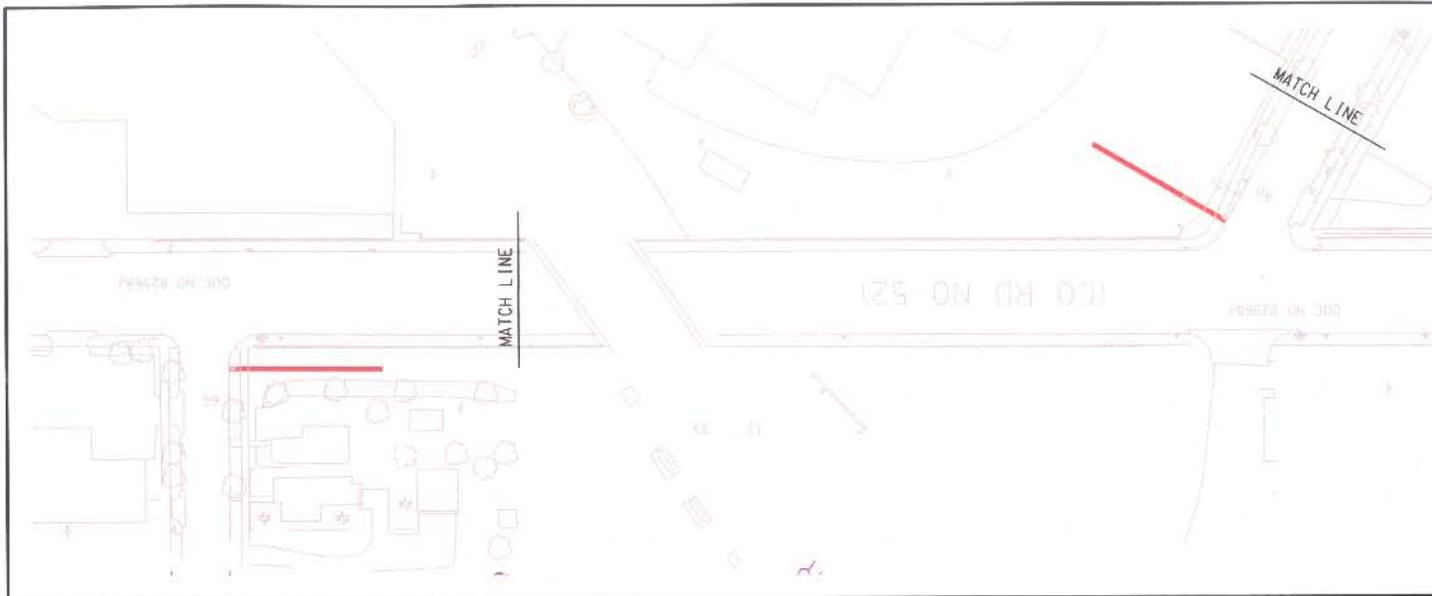
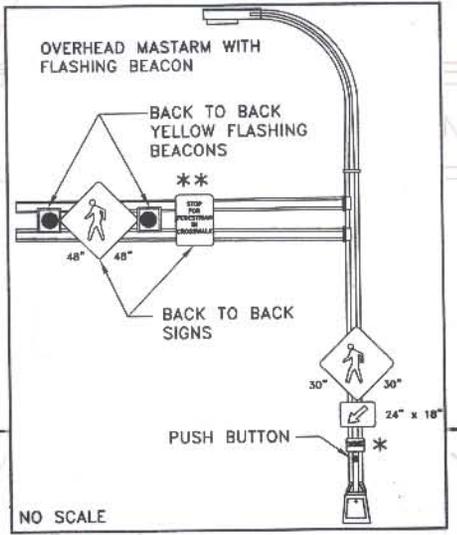
CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
9



DATE: 2/2/2010 TIME: 11:01:56 PM

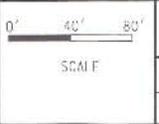
T:\131810695\08_28\518\DWG\AK-SRT\FK-CF18.dwg



Back to Map

DRN BY: BAC	DATE: 01/05/10	REV BY:	DATE:	REVISION DESC.
DSN BY: JFC	DATE: 01/05/10			
CHK BY: JFC	DATE: 01/05/10			

25067
REG. NO.
01/05/10
DATE
JOHN F. CRANDALL, PROFESSIONAL ENGINEER

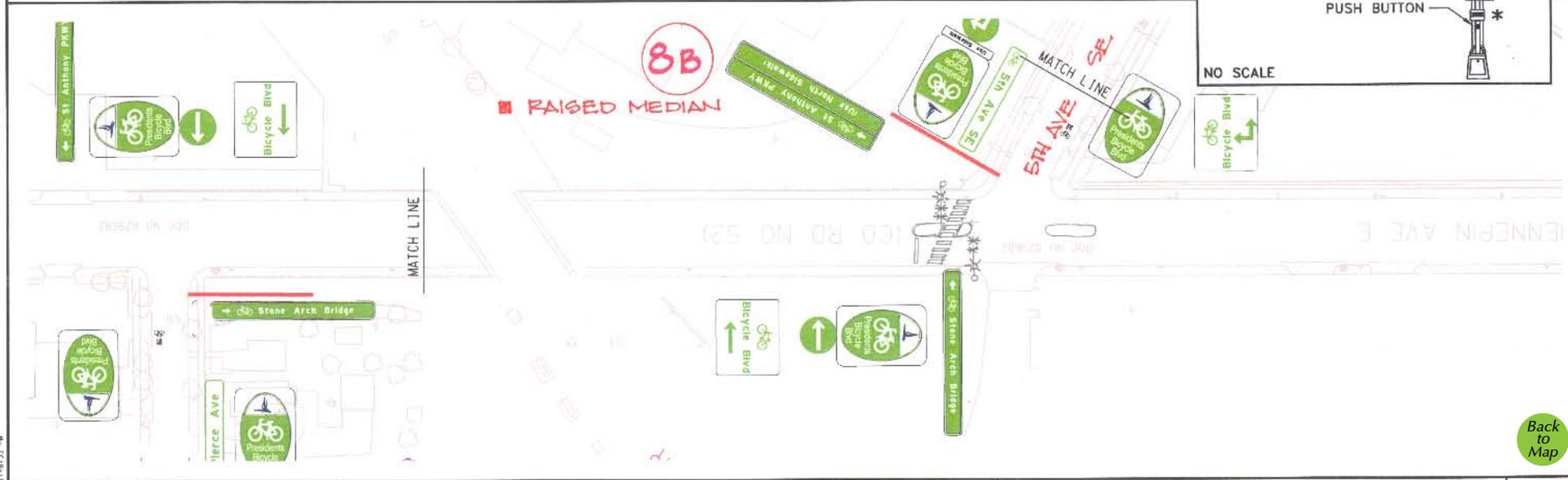
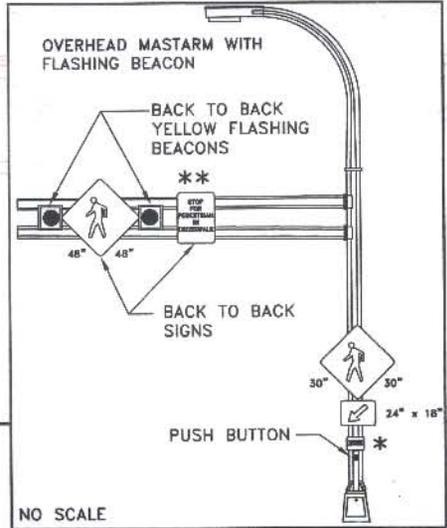
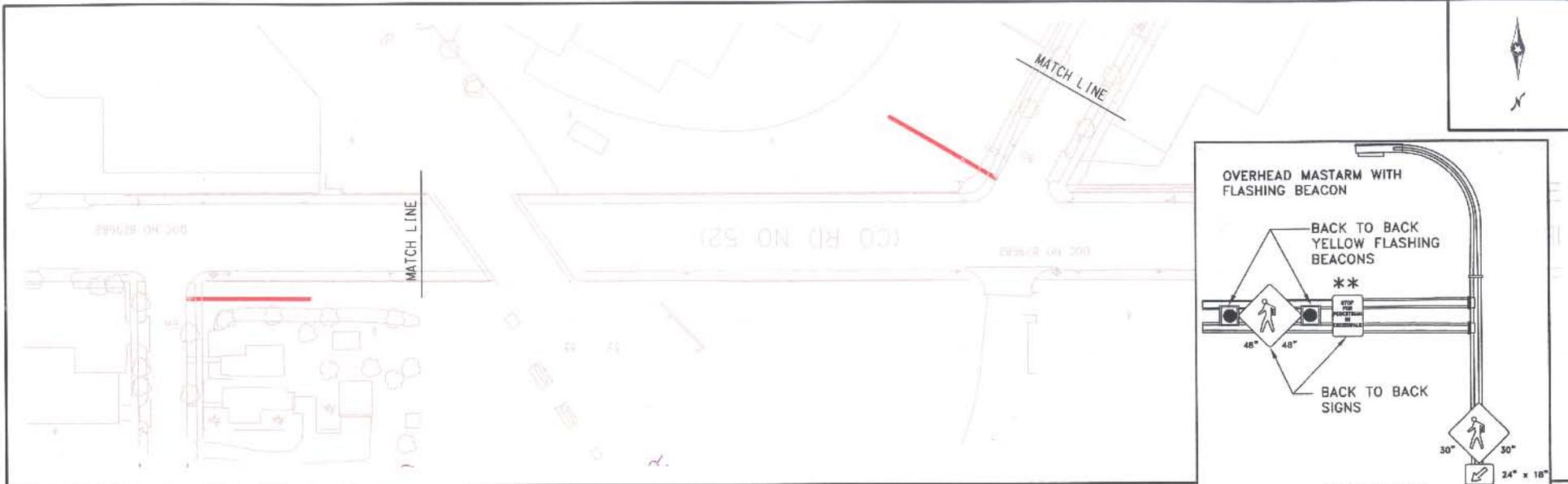


CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
10

DATE: 2/2/2010 11:43:15 PM

T:\31810695\08_JES\DWG\IN_SHT\FBI-CFLB.dwg



Back to Map

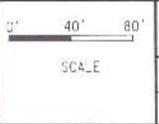
DATE: 2/2/2010 11:41:33 AM

DRN BY:	DATE:	REV NO.	BY:	DATE:	REVISION DESC.
BAC	01/05/10				
DSN BY:	DATE:				
JFC	01/05/10				
CHK BY:	DATE:				
JFC	01/05/10				

25067
REG. NO.
01/05/10
DATE

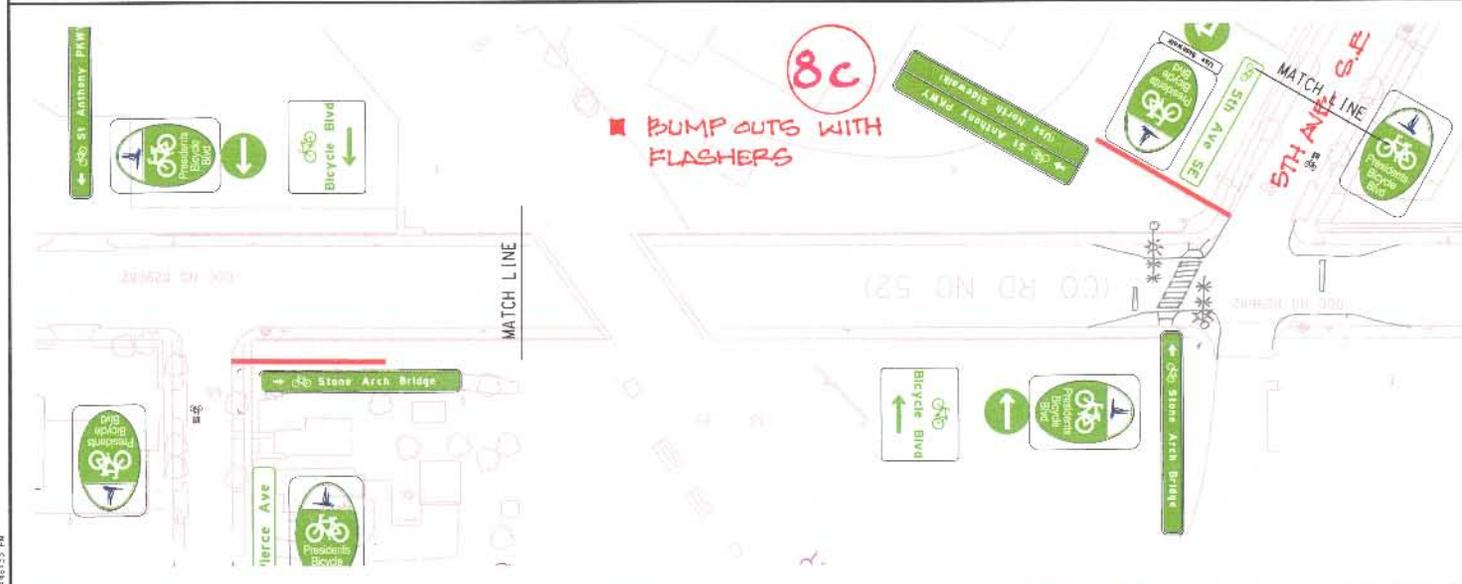
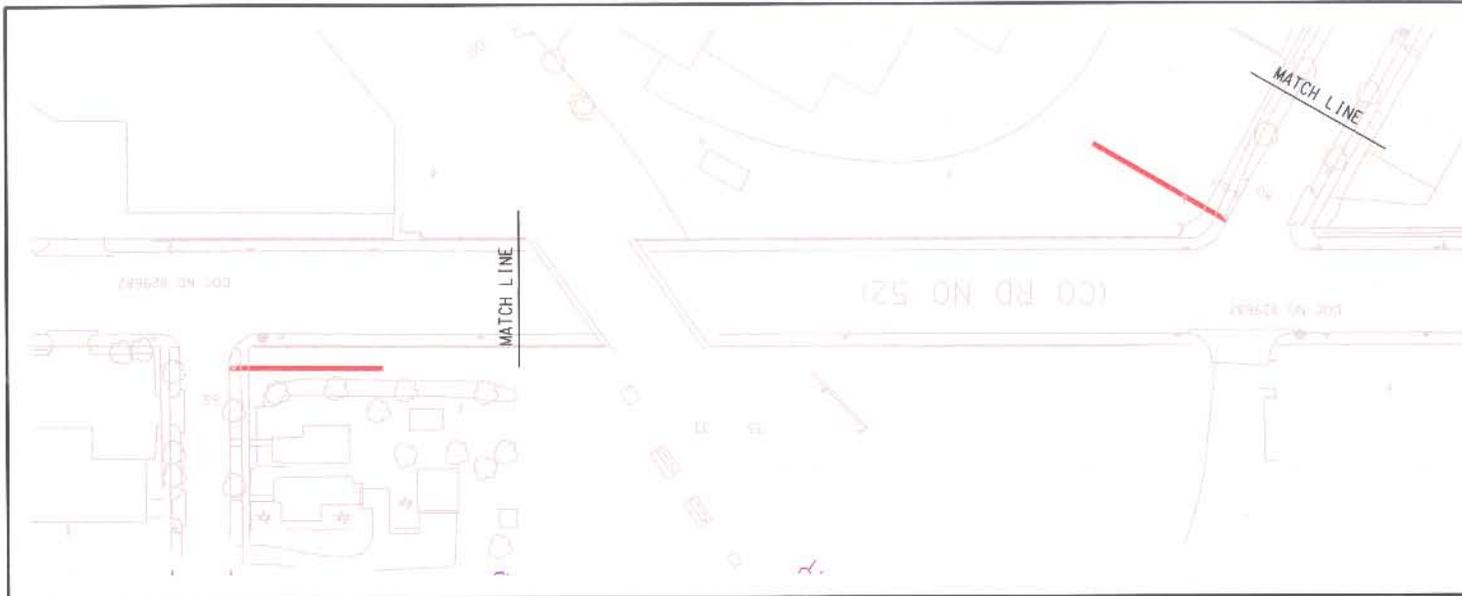
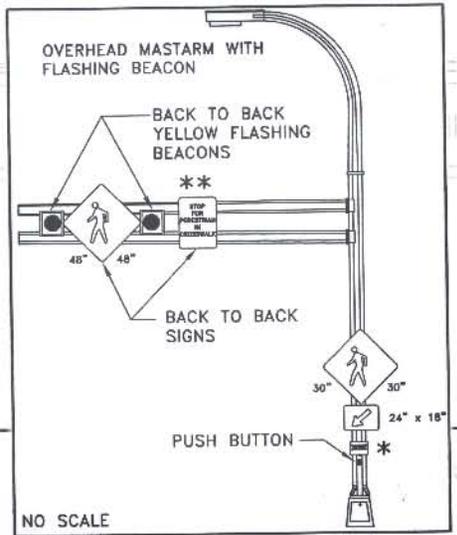
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAMFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENT'S BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
11



Back to Map

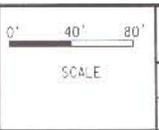
DATE: 2/2/2010 TIME: 1:48:55 PM

DRN BY:	DATE:	REV BY:	DATE:	REVISION:	DCSG:
BAC	01/05/10				
DSN BY: <td>DATE: <td></td> <td></td> <td></td> <td></td> </td>	DATE: <td></td> <td></td> <td></td> <td></td>				
JFC	01/05/10				
CHK BY: <td>DATE: <td></td> <td></td> <td></td> <td></td> </td>	DATE: <td></td> <td></td> <td></td> <td></td>				
JFC	01/05/10				

25067
REG. NO.
01/05/10
DATE

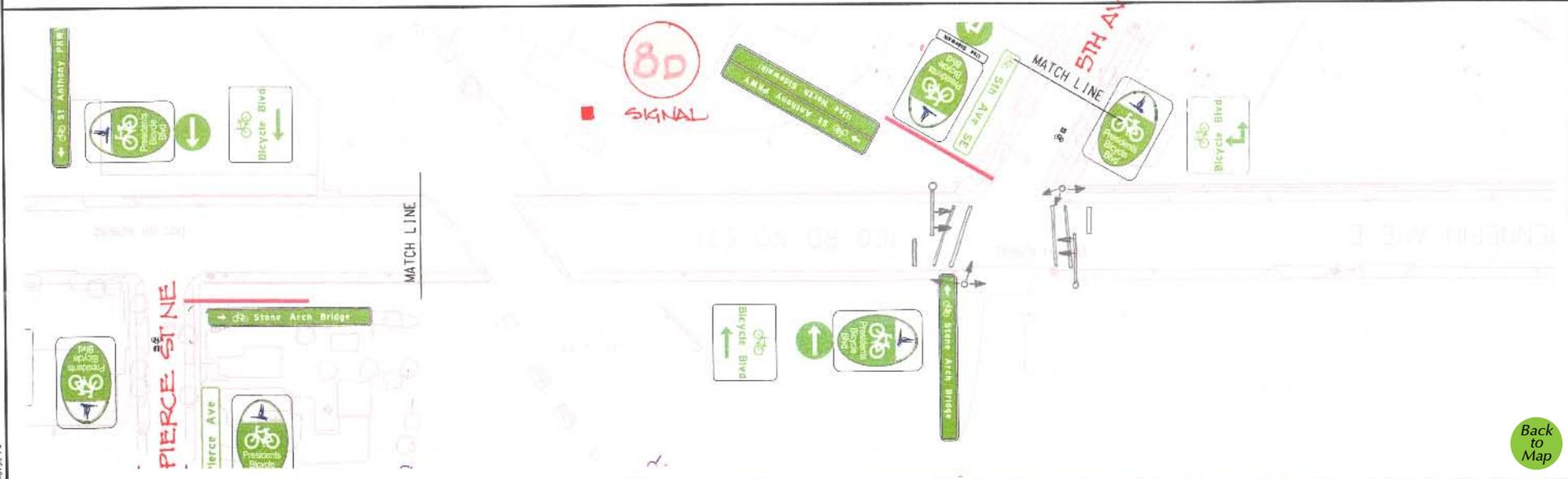
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
12



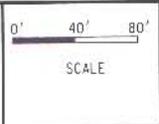
DRN BY:	DATE:	REV NO.	BY	DATE	REVISION DESC.
BAC	01/05/10				
DSM BY:	DATE:				
JFC	01/05/10				
CHK BY:	DATE:				
JFC	01/05/10				

25067
REG. NO.

01/05/10
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO. XXX-XXX-XX	PRESIDENTS BIKE BLVD
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

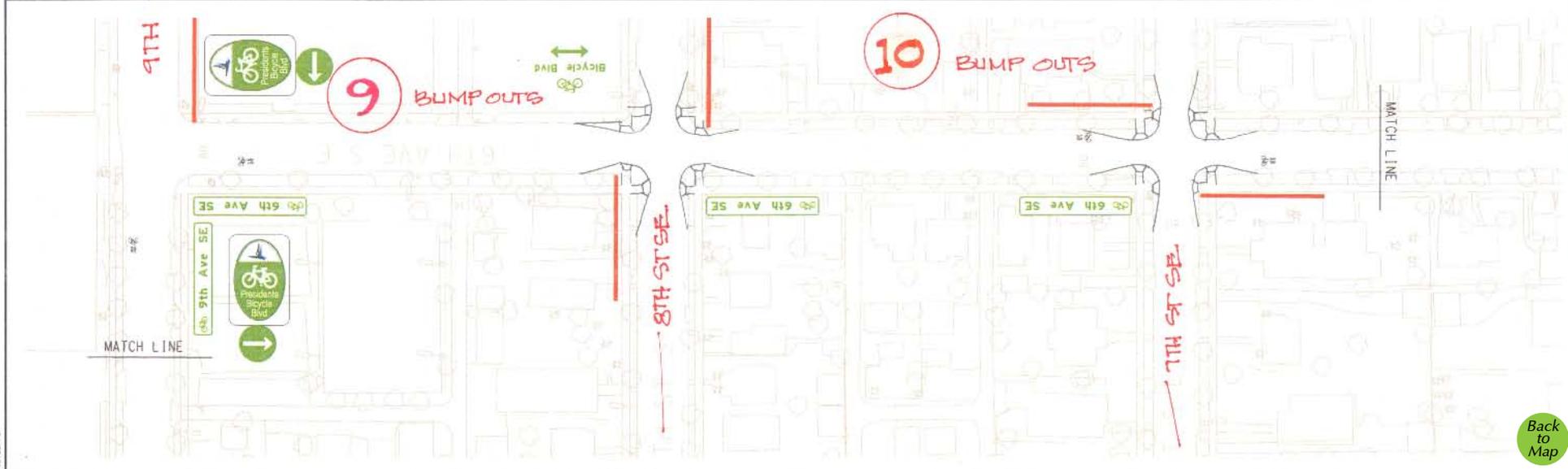
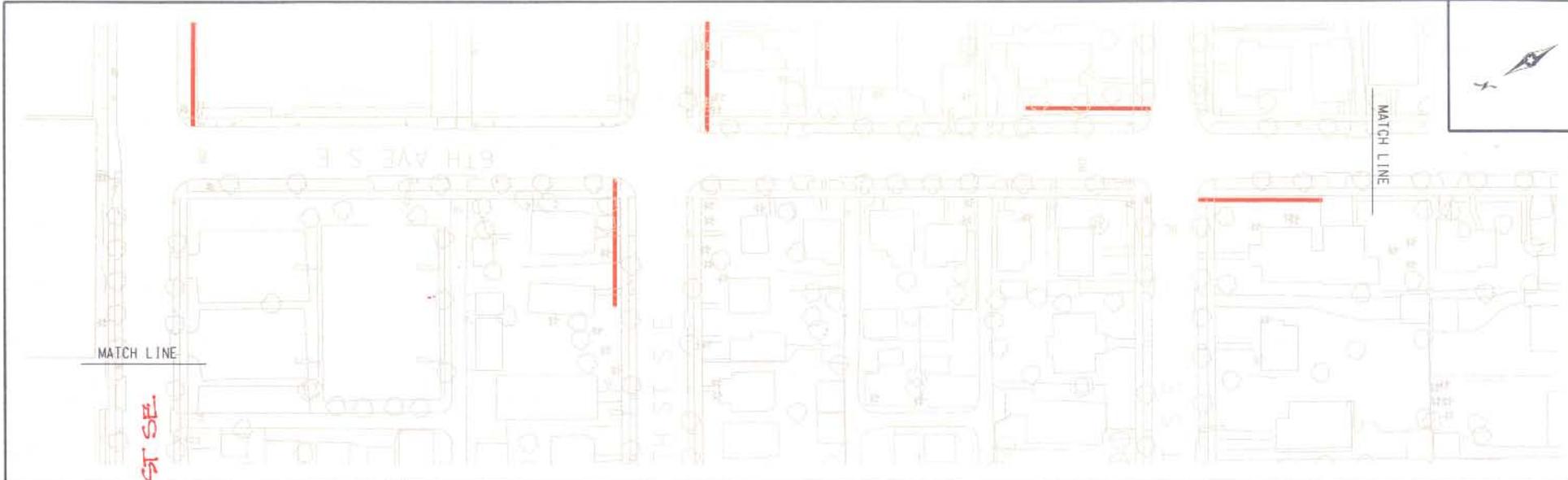
SHEET NUMBER

13

Back to Map

DATE: 2/2/2010 TIME: 1:40:31 PM

T:\131810685\08_DESIGN\PLAN_SHT\FBK-CP18.dgn

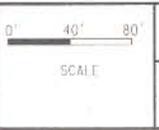


Back to Map

DPN BY: BAC	DATE: 01/05/10	REV BY:	DATE:	REVISION DESC.:
DSN BY: JFC	DATE: 01/05/10			
CHK BY: JFC	DATE: 01/05/10			

256RT	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
REG. NO.	
01/05/10	
DATE	

JOHN F. CRAWFORD, PROFESSIONAL ENGINEER

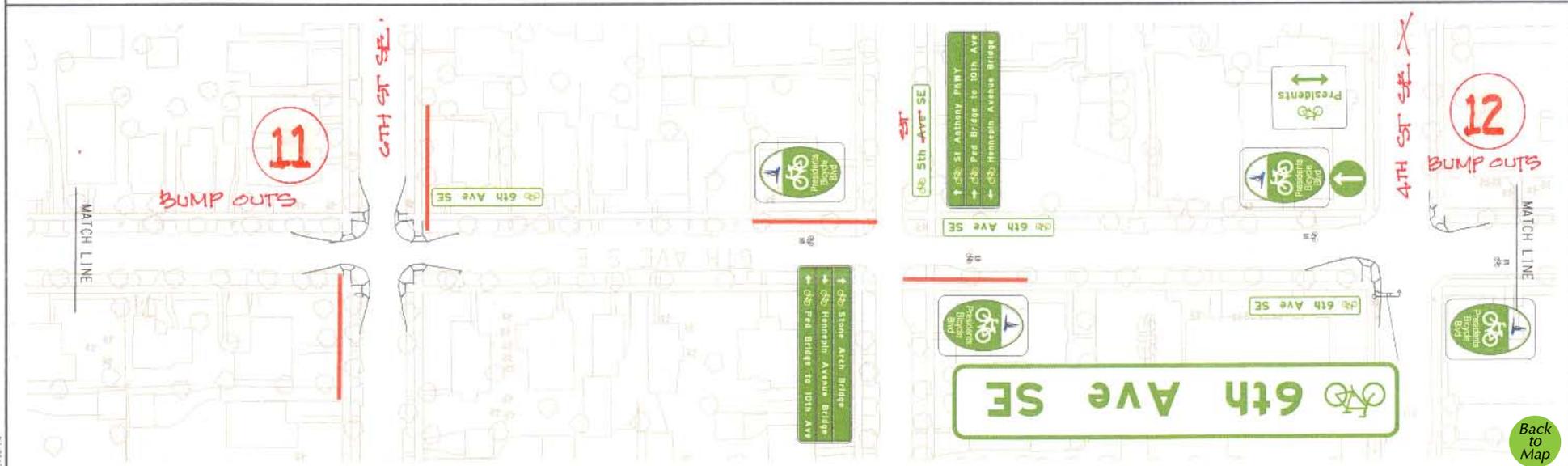
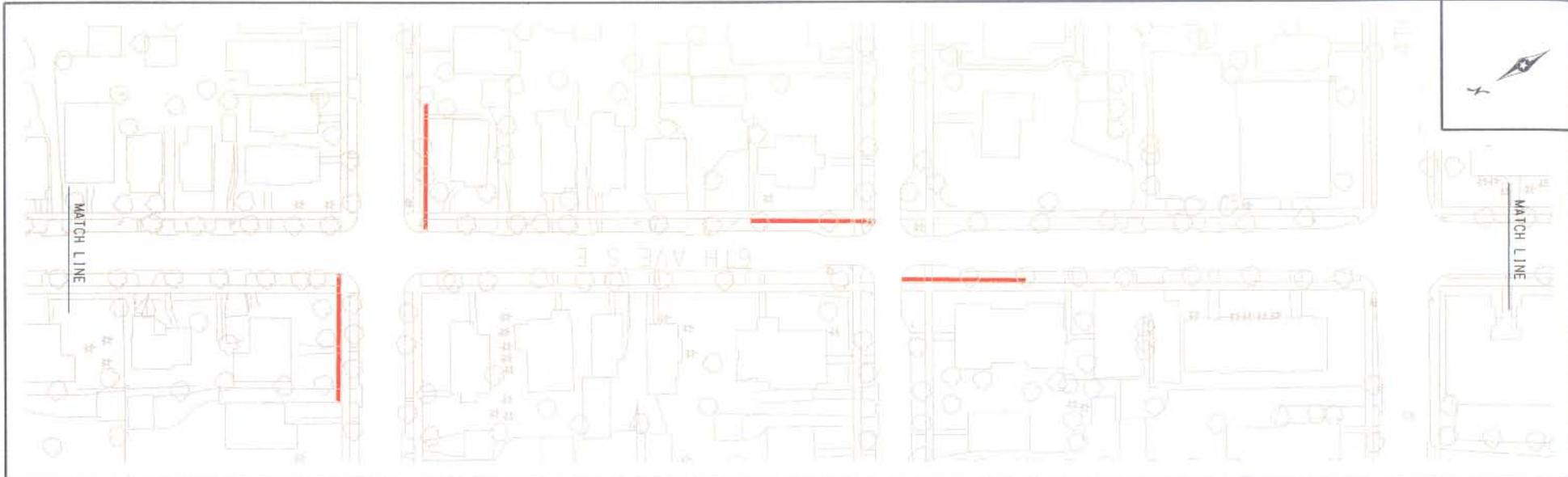


CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO. XXX-XXX-XX	
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
14

DATE: 2/2/2010 TIME: 11:49:08 PM

U:\131810695\08_085\DWG\AK_SAT\FBI-C920.dgn



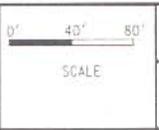
DATE: 2/22/2010 TIME: 2:13:18 PM

DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
OSH BY:	DATE:			
JFC	01/05/10			
CHK BY:	DATE:			
JFC	01/05/10			

25087
REG. NO.
01/05/10
DATE

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

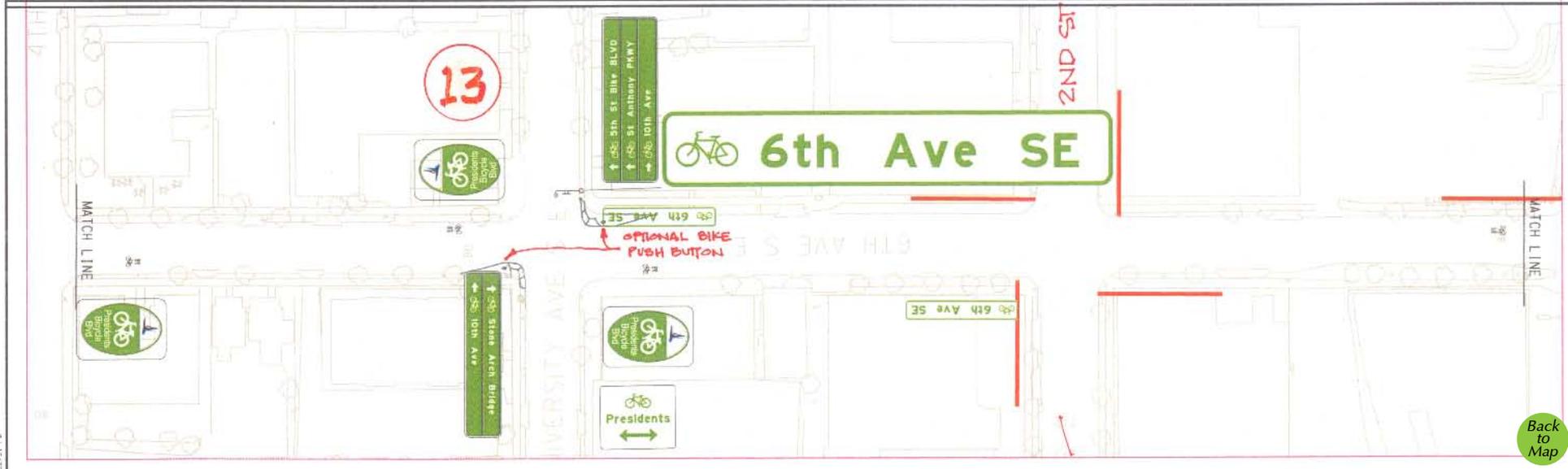
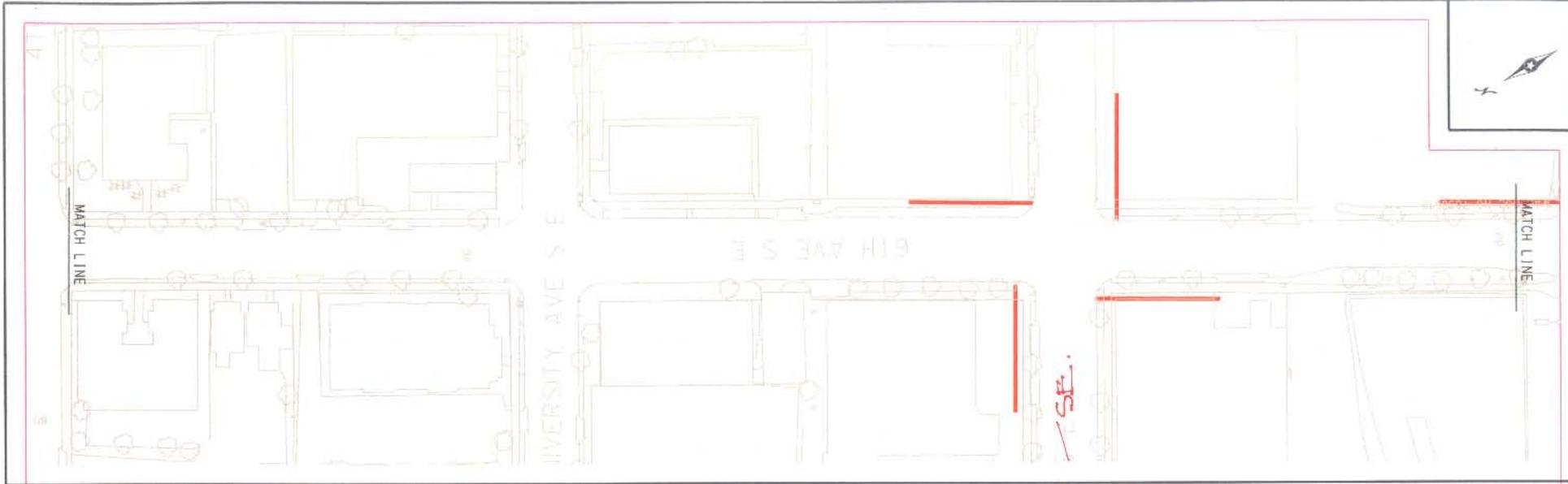
JOHN F. CRAWFORD, PROFESSIONAL ENGINEER



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO. XXX-XXX-XX	
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
15

Back to Map

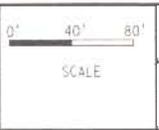


Back to Map

DATE: 2/22/2010 TIME: 2:32:51 PM

DRN BY:	DATE:	REV BY:	DATE:	REVISION DESC.
BAC	01/05/10			
OSH BY:	DATE:			
JFC	01/05/10			
CHK BY:	DATE:			
JFC	01/05/10			

2506T	I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
REG. NO.	
01/05/10	
DATE	
JOHN F. CRAWFORD, PROFESSIONAL ENGINEER	



CONSTRUCTION PLAN	
STATION	TO STATION
S.P. NO.	XXX-XXX-XX
PRESIDENTS BIKE BLVD	
CITY OF MINNEAPOLIS PROJ. NO. XXXX	

SHEET NUMBER
16