



# CITY OF BELLEVUE

## TRANSPORTATION DEPARTMENT

### 108TH AVE NE MAIN ST TO NE 12TH ST - BIKE LANES

**CITY MANAGER**  
BRAD MIYAKE

**MAYOR**  
JOHN CHELMINIAK

**DIRECTOR OF TRANSPORTATION**  
DAVID BERG

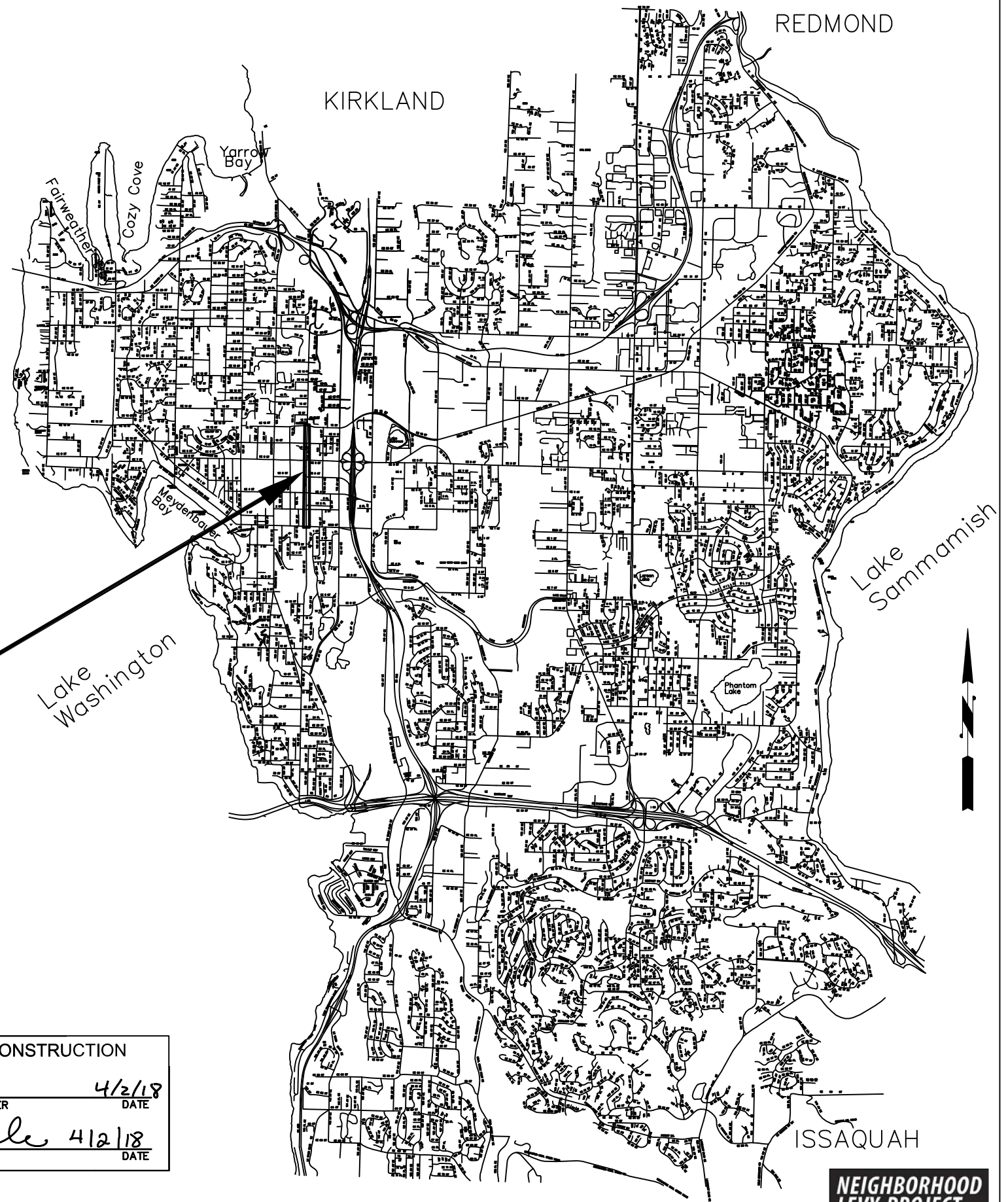
**DEPUTY MAYOR**  
LYNNE ROBINSON

**CITY COUNCIL**  
CONRAD LEE  
JENNIFER ROBERTSON  
JARED NIEUWENHUIS  
JOHN STOKES  
JANICE ZAHN

#### SCHEDULE OF DRAWINGS

SHEET	DRAWINGS
1	COVER SHEET
2	LEGEND AND GENERAL NOTE
3-10	SITE PREPARATION PLANS
11-18	CHANNELIZATION AND SIGNING PLANS
19	DETAIL PLANS
20-37	TRAFFIC CONTROL PLANS

PROJECT LOCATION



C.I.P. NUMBER PW-R-199  
BID NUMBER 18042

APPROVED FOR CONSTRUCTION  
*Chi Ma* 4/2/18  
 TRANSPORTATION DESIGN MANAGER DATE  
*Sara Haile* 4/2/18  
 PROJECT MANAGER DATE



**CONSTRUCTION LEGEND**

- ⊗ CONSTRUCTION NOTE
- ⊗<sup>SXX</sup> SIGN NOTE
- ⊗ CHANNELIZATION NOTE
- ⊗ SITE PREPARATION NOTE
- +— CONSTRUCTION CENTERLINE
- CITY OF BELLEVUE RIGHT-OF-WAY
- PROPERTY LINE
- 12345 PARCEL ADDRESS
- CURB
- ⊕ EXISTING SIGN
- ⊕ PROPOSED SIGN
- ▣ EXISTING CATCH BASIN
- ⊕ FIRE HYDRANT
- ⊕ DECIDUOUS TREE
- ⊕ SHRUB



**SURVEY AND CENTERLINE CONTROL**

CONSTRUCTION CENTERLINE BEARING NOTED ON PLANS.

108TH AVE NE CENTERLINE:  
 STA 52+42.52 ESTABLISHED WITH 23.759' RT OFFSET:  
MONUMENT SURFACE 3244  
 NORTHING 225319.606  
 EASTING 1304288.096

108TH AVE NE CENTERLINE:  
 STA 94+39.00 ESTABLISHED WITH 30.693' LT OFFSET:  
MONUMENT IN SURFACE 4364  
 NORTHING 229516.594  
 EASTING 1304269.878

**TRAFFIC CONTROL NOTES**

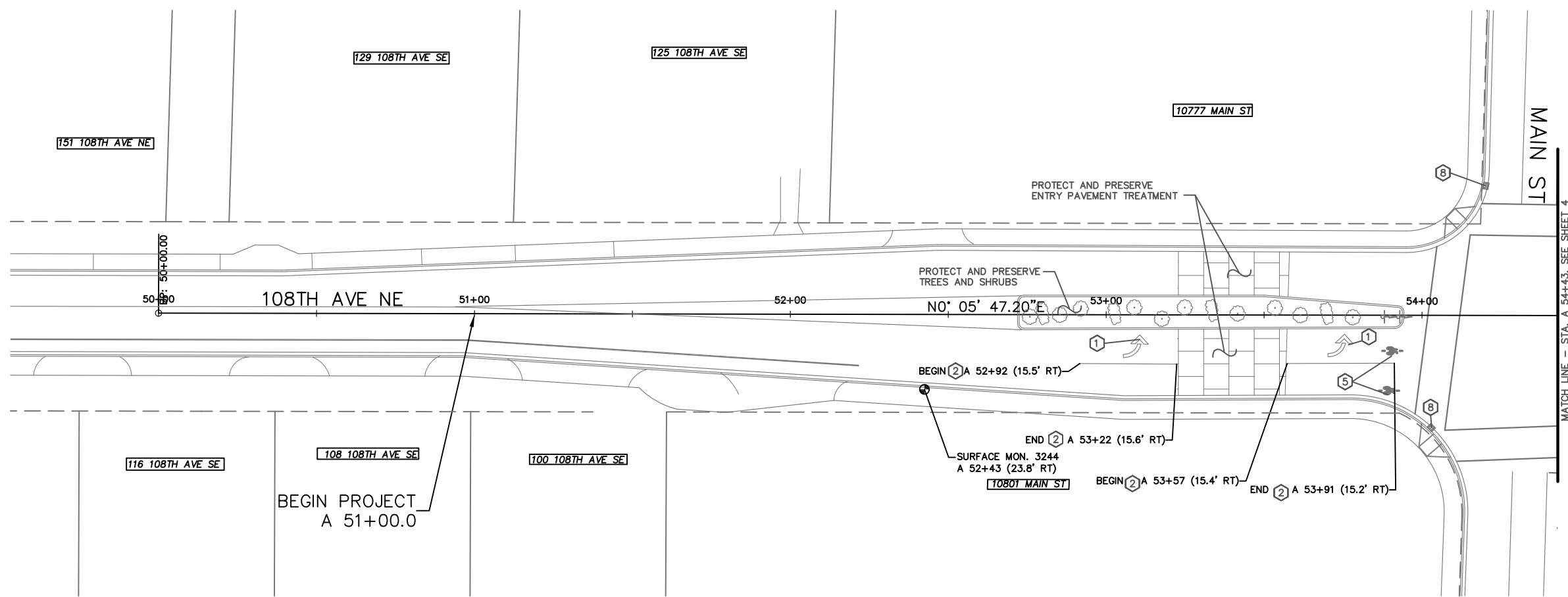
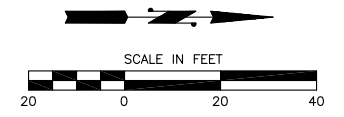
1. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
2. THE HOURS FOR CONSTRUCTION ACTIVITY, LANE CLOSURES OR ACTIVITIES THAT IMPEDE OR MAY POTENTIALLY IMPEDE TRAFFIC SHALL BE SUNDAY THROUGH THURSDAY, 7:00PM TO 4:00AM.
3. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLANS REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS AS SHOWN IN THE CONTRACT PLANS. REVISED TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE CITY AND SHALL BE SUBMITTED AT LEAST 14 DAYS PRIOR TO CONSTRUCTION.
4. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.

NO.	DATE	BY	APPR.	REVISIONS	Approved By				LEGEND AND GENERAL NOTES
					TRANSPORTATION DESIGN MANAGER	DATE	S. HAILE	03/18	<b>108TH AVE NE            MAIN ST TO NE 12TH ST - BIKE LANES</b>
					PROJECT MANAGER	DATE	S. HAILE	03/18	
							C. MASEK	03/18	
							CHECKED BY	DATE	



4/2/18

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

- 1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

**SITE PREPARATION AND EROSION CONTROL NOTE**

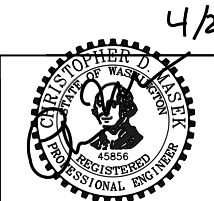
- ① REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- ② REMOVE EXISTING RAISED PAVEMENT MARKERS.
- ③ NOT USED THIS SHEET.
- ④ NOT USED THIS SHEET.
- ⑤ REMOVE EXISTING BIKE LOOP MARKINGS.
- ⑥ NOT USED THIS SHEET.
- ⑦ NOT USED THIS SHEET.
- ⑧ INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- ⑨ NOT USED THIS SHEET.

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE

S. HAILE	03/18
DESIGNED BY	DATE
S. HAILE	03/18
DRAWN BY	DATE
C. MASEK	03/18
CHECKED BY	DATE

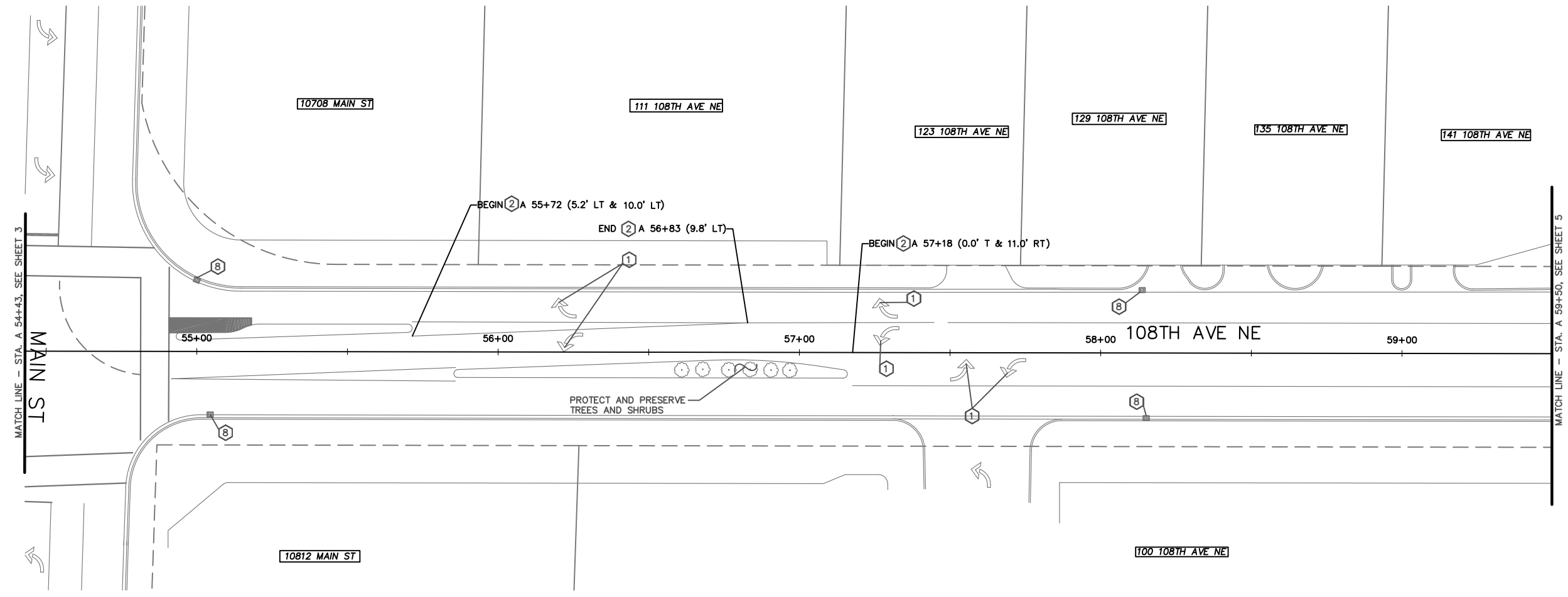
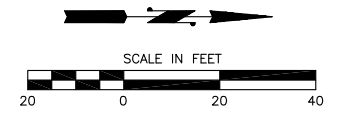


**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**SITE PREPARATION PLAN**

SHT 3 OF 37

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

- 1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

**SITE PREPARATION AND EROSION CONTROL NOTE**

- 1 REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- 2 REMOVE EXISTING RAISED PAVEMENT MARKERS.
- 3 NOT USED THIS SHEET.
- 4 NOT USED THIS SHEET.
- 5 NOT USED THIS SHEET.
- 6 NOT USED THIS SHEET.
- 7 NOT USED THIS SHEET.
- 8 INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- 9 NOT USED THIS SHEET.

NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

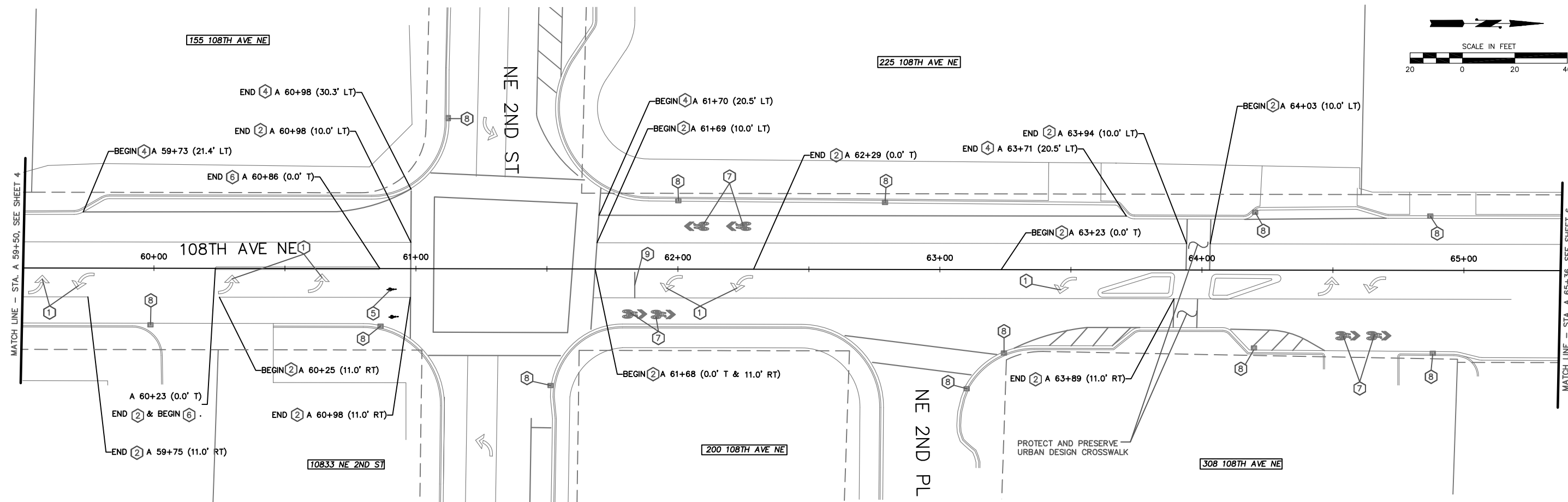
S. HAILE	03/18	DATE
DESIGNED BY	03/18	DATE
S. HAILE	03/18	DATE
DRAWN BY	03/18	DATE
C. MASEK	03/18	DATE
CHECKED BY		DATE



**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

SITE PREPARATION PLAN	
SHT 4	OF 37

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

- 1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

**SITE PREPARATION AND EROSION CONTROL NOTE**

- ① REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- ② REMOVE EXISTING RAISED PAVEMENT MARKERS.
- ③ NOT USED THIS SHEET.
- ④ REMOVE EXISTING PAINT LINE.
- ⑤ REMOVE EXISTING BIKE LOOP MARKINGS.
- ⑥ REMOVE EXISTING PRECAST CONCRETE TRAFFIC C-CURB.
- ⑦ REMOVE EXISTING PLASTIC SHARED USE LANE SYMBOL MARKING.
- ⑧ INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- ⑨ REMOVE EXISTING PLASTIC STOP LINE.

NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

S. HAILE 03/18  
DESIGNED BY DATE  
S. HAILE 03/18  
DRAWN BY DATE  
C. MASEK 03/18  
CHECKED BY DATE

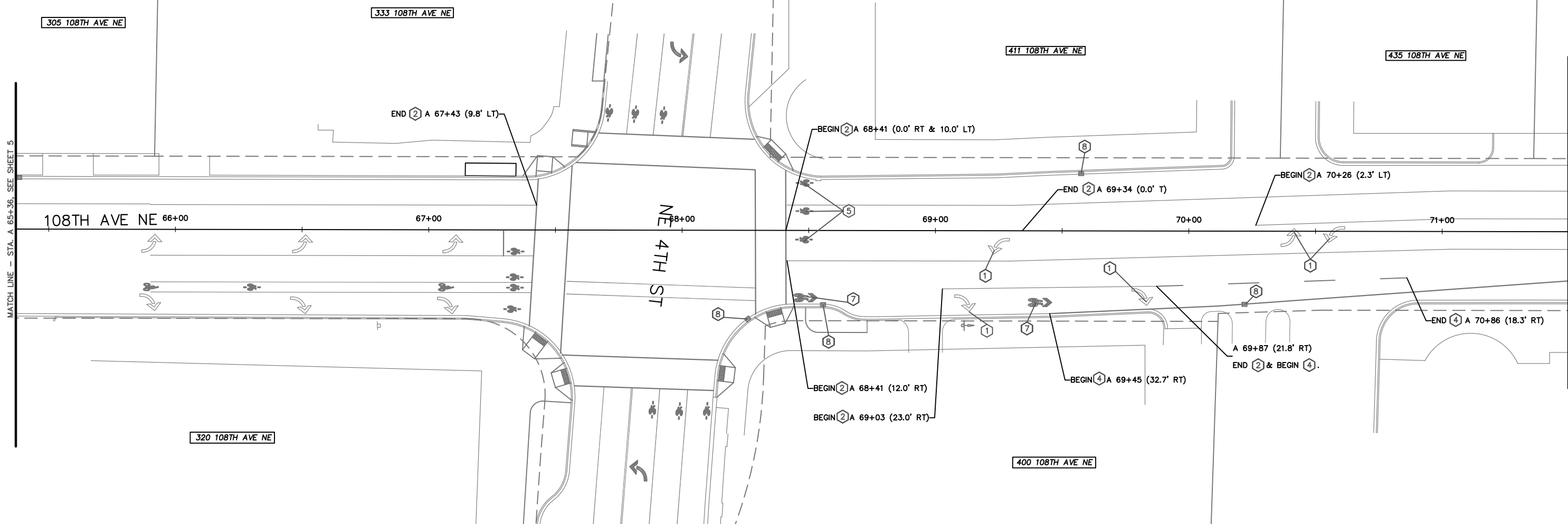
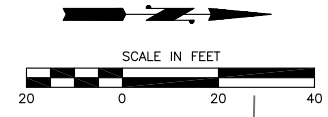


4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**SITE PREPARATION PLAN**

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

- FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

**SITE PREPARATION AND EROSION CONTROL NOTE**

- REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- REMOVE EXISTING RAISED PAVEMENT MARKERS.
- NOT USED THIS SHEET.
- REMOVE EXISTING PAINT LINE.
- REMOVE EXISTING BIKE LOOP MARKINGS.
- NOT USED THIS SHEET.
- REMOVE EXISTING PLASTIC SHARED USE LANE SYMBOL MARKING.
- INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- NOT USED THIS SHEET.

NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

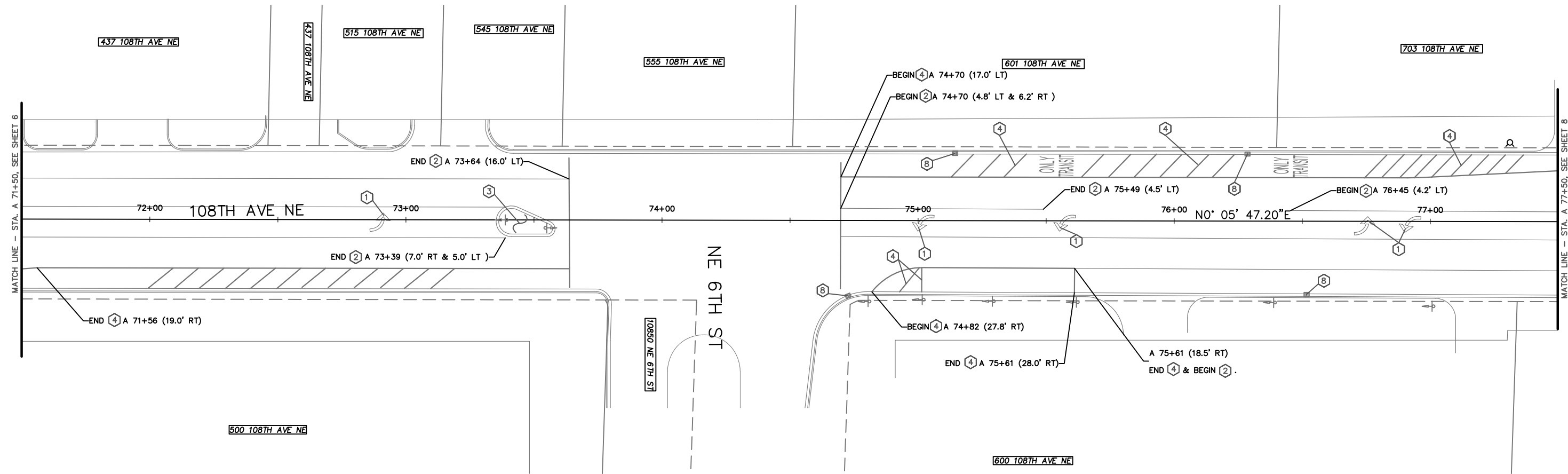
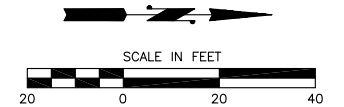
S. HAILE	03/18	DATE
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DRAWN BY	03/18	DATE
C. MASEK	03/18	DATE
CHECKED BY		DATE



4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

- 1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

**SITE PREPARATION AND EROSION CONTROL NOTE**

- 1 REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- 2 REMOVE EXISTING RAISED PAVEMENT MARKERS.
- 3 REMOVE EXISTING TRAFFIC ISLAND.
- 4 REMOVE EXISTING PAINT LINE.
- 5 NOT USED THIS SHEET.
- 6 NOT USED THIS SHEET.
- 7 NOT USED THIS SHEET.
- 8 INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- 9 NOT USED THIS SHEET.

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

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DESIGNED BY	DATE
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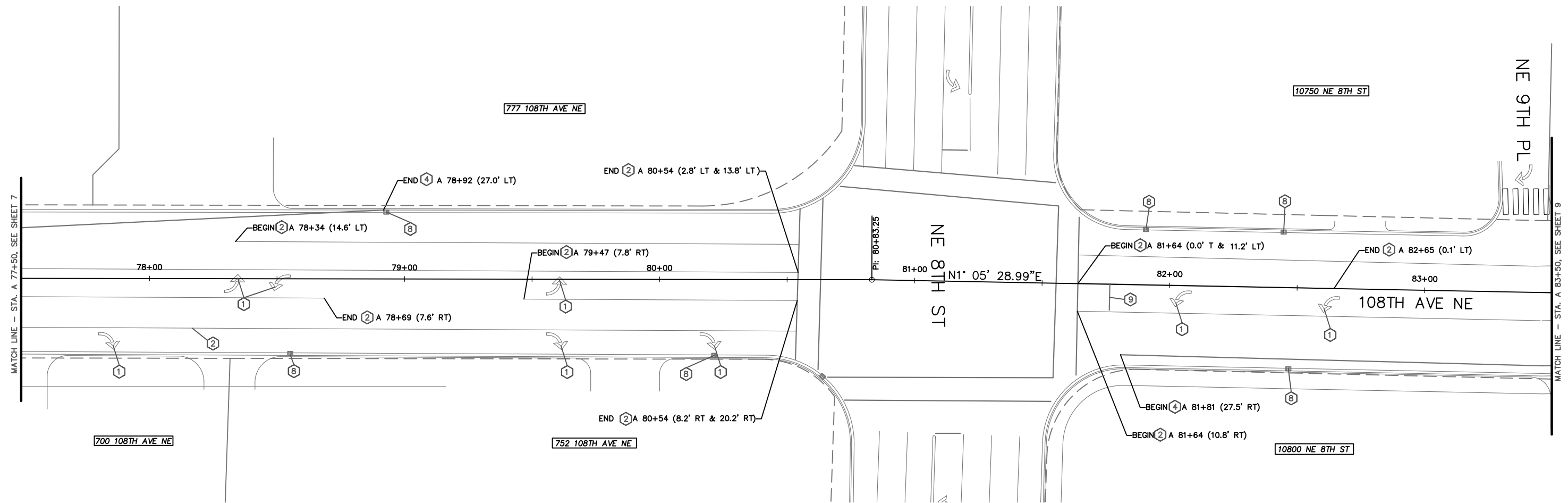
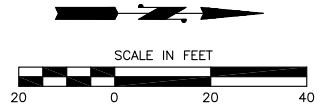
4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**SITE PREPARATION PLAN**

SHT 7 OF 37

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

**SITE PREPARATION AND EROSION CONTROL NOTE**

- 1 REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- 2 REMOVE EXISTING RAISED PAVEMENT MARKERS.
- 3 NOT USED THIS SHEET.
- 4 REMOVE EXISTING PAINT LINE.
- 5 NOT USED THIS SHEET.
- 6 NOT USED THIS SHEET.
- 7 NOT USED THIS SHEET.
- 8 INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- 9 REMOVE EXISTING PLASTIC STOP LINE.

NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

S. HAILE	03/18
DESIGNED BY	DATE
S. HAILE	03/18
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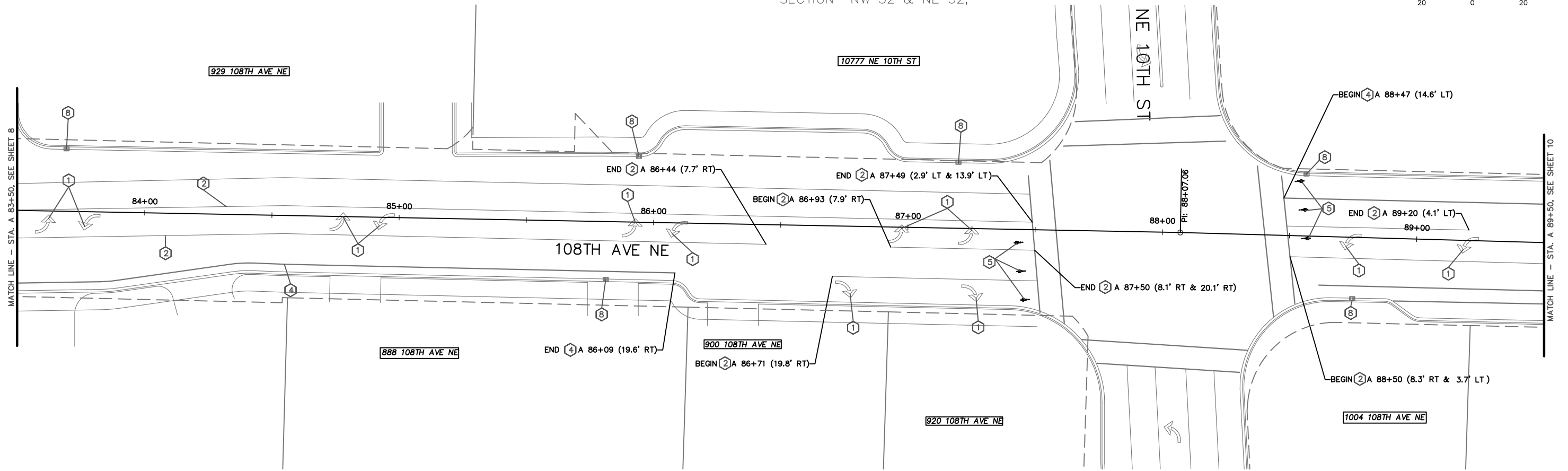
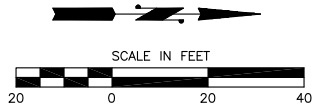
4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**SITE PREPARATION PLAN**



T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

- 1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

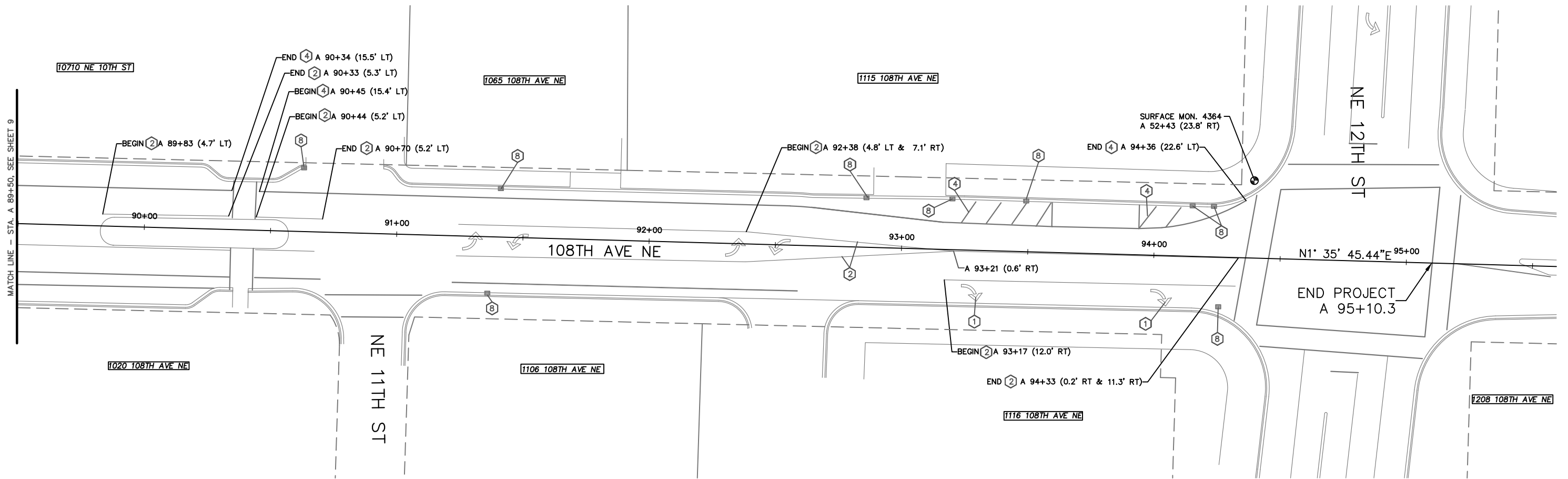
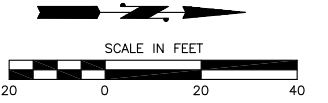
**SITE PREPARATION AND EROSION CONTROL NOTE**

- 1 REMOVE EXISTING PLASTIC TRAFFIC ARROW.
- 2 REMOVE EXISTING RAISED PAVEMENT MARKERS.
- 3 NOT USED THIS SHEET.
- 4 REMOVE EXISTING PAINT LINE.
- 5 REMOVE EXISTING BIKE LOOP MARKINGS.
- 6 NOT USED THIS SHEET.
- 7 NOT USED THIS SHEET.
- 8 INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- 9 NOT USED THIS SHEET.

4/2/18

NO.	DATE	BY	APPR.	REVISIONS						
					<b>Approved By</b> TRANSPORTATION DESIGN MANAGER DATE PROJECT MANAGER DATE	S. HAILE 03/18 DESIGNED BY DATE S. HAILE 03/18 DRAWN BY DATE C. MASEK 03/18 CHECKED BY DATE	<b>City of Bellevue</b> Transportation Department			
								<b>108TH AVE NE</b> <b>MAIN ST TO NE 12TH ST - BIKE LANES</b>	<b>SITE PREPARATION PLAN</b>	
										SHT <u>9</u> OF <u>37</u>

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

1. FOR SIGN AND SIGN POST REMOVAL SEE CHANNELIZATION AND SIGN PLANS.

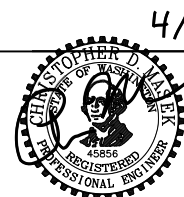
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- 2 REMOVE EXISTING RAISED PAVEMENT MARKERS.
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- 4 REMOVE EXISTING PAINT LINE.
- 5 NOT USED THIS SHEET.
- 6 NOT USED THIS SHEET.
- 7 NOT USED THIS SHEET.
- 8 INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BPM C220.
- 9 NOT USED THIS SHEET.

NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

S. HAILE	03/18	DATE
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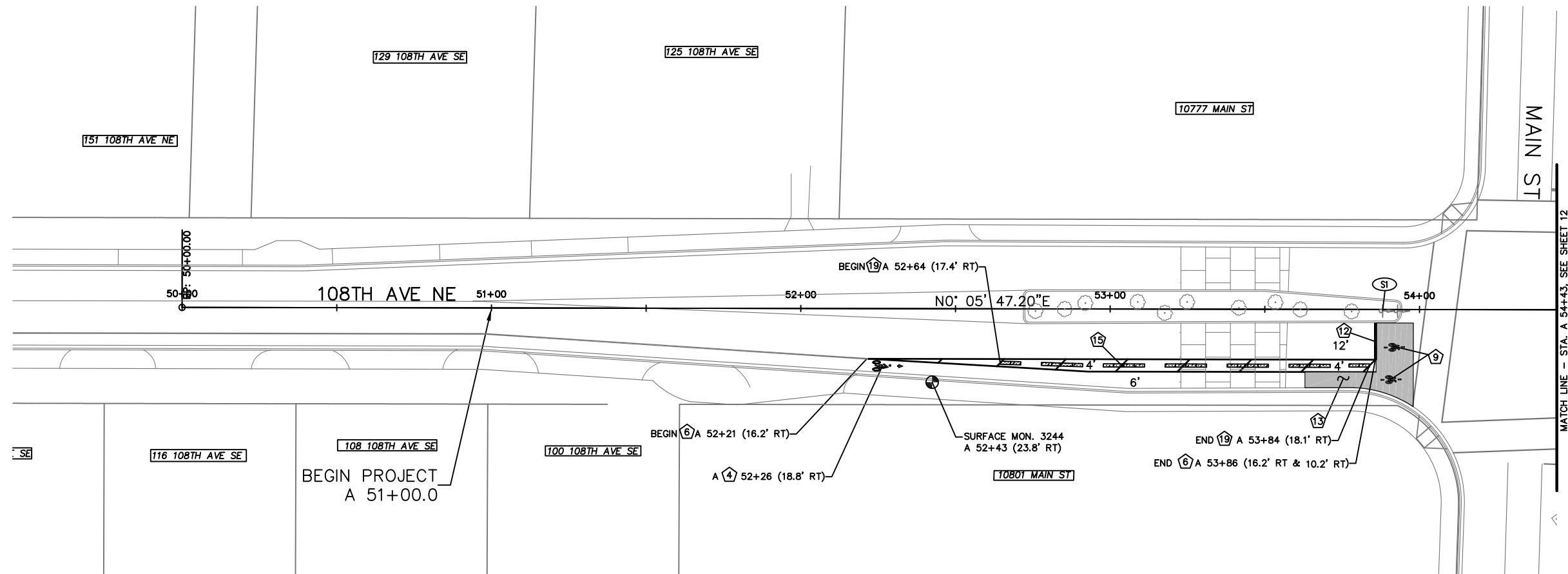
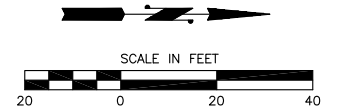


4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**SITE PREPARATION PLAN**

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**SIGN SCHEDULE**

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S1	53+88	0.5' RT	NEW	R10-6aR	24X30	WHITE	STOP HERE ON RED	INSTALL SIGN ON EXISTING POST

**GENERAL NOTES**

- MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.
- CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-425-5555, AT LEAST, 48 HOURS PRIOR TO INSTALLING SIGN POSTS.

**CHANNELIZATION NOTES**

- |  |   |
|--|---|
| 1 NOT USED THIS SHEET.   | 11 NOT USED THIS SHEET.   |
| 2 NOT USED THIS SHEET.   | 12 INSTALL 12" PLASTIC STOP LINE.                                   |
| 3 NOT USED THIS SHEET.   | 13 INSTALL PLASTIC GREEN BICYCLE BOX MARKING PER DETAIL D SHEET-19. |
| 4 INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1. | 14 NOT USED THIS SHEET.   |
| 5 NOT USED THIS SHEET.   | 15 INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.             |
| 6 INSTALL 6" WHITE PAINT LINE.   | 16 NOT USED THIS SHEET.   |
| 7 NOT USED THIS SHEET.   | 17 NOT USED THIS SHEET.   |
| 8 NOT USED THIS SHEET.   | 18 NOT USED THIS SHEET.   |
| 9 INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO SL-290-1.                           | 19 INSTALL 12" LANE SEPARATION CURB PER DETAIL H SHEET-19.          |
| 10 NOT USED THIS SHEET.  |   |

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

S. HAILE	03/18
DESIGNED BY	DATE
S. HAILE	03/18
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C. MASEK	03/18
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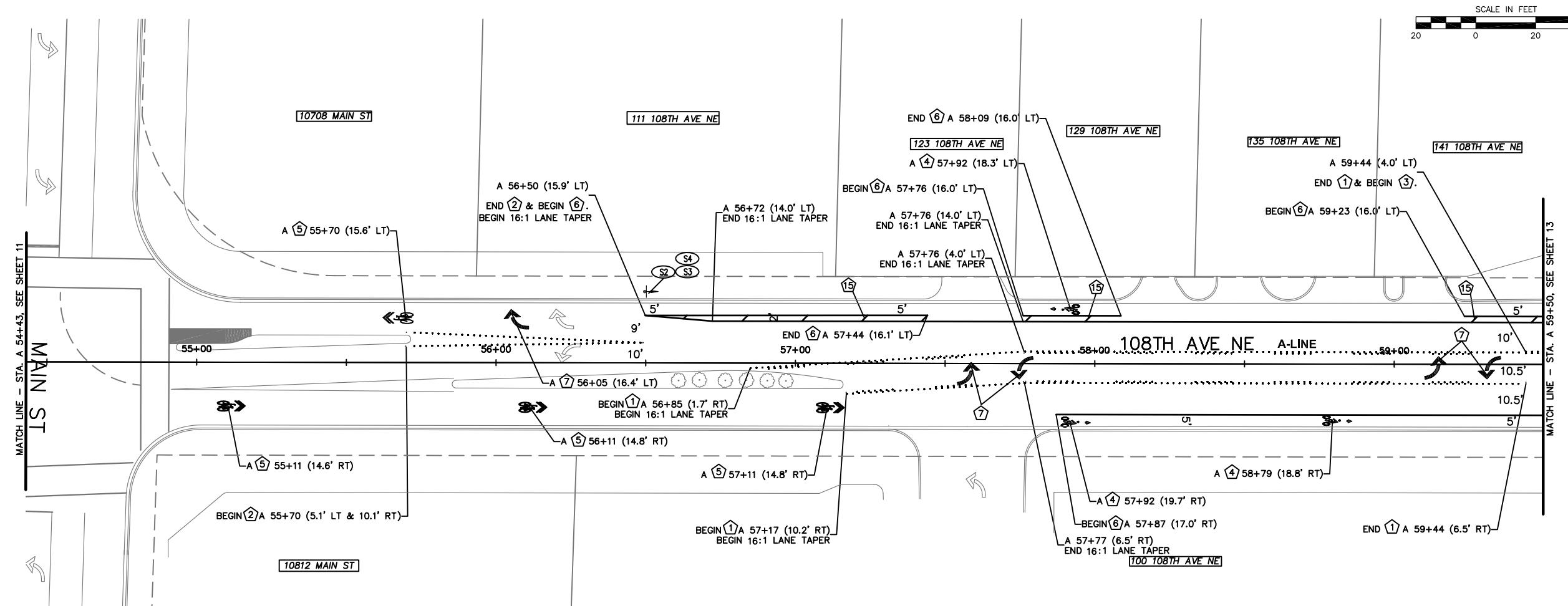
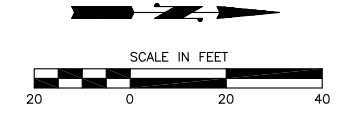


4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST- BIKE LANES**

**CHANNELIZATION AND SIGNING PLAN**

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**SIGN SCHEDULE**

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S2	56+50	24'LT	NEW	R4-4	36X30	WHITE	BEGIN RIGHT TURN LANE YIELD TO BIKES	INSTALL NEW SIGN ON NEW POST
S3	56+50	24'LT	NEW	R3-17	24X18	WHITE	BIKE LANE	INSTALL NEW SIGN ON NEW POST
S4	56+50	24'LT	NEW	R3-17bP	24X8	WHITE	ENDS PLAQUE	INSTALL NEW SIGN ON NEW POST

**CHANNELIZATION NOTES**

- ① INSTALL TWO-WAY LEFT TURN LINE USING TYPE 1Y AND TYPE 2YY RPMS PER COB STD. DWG. NO. CH-100-1.
- ② INSTALL WHITE SOLID LANE LINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.
- ③ INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.
- ④ INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.
- ⑤ INSTALL WHITE PLASTIC SHARED USE LANE SYMBOL PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.
- ⑥ INSTALL 6" WHITE PAINT LINE.
- ⑦ INSTALL PLASTIC ARROW PER COB STD. DWG. NO. CH-170-1.
- ⑧ NOT USED THIS SHEET.
- ⑨ NOT USED THIS SHEET.
- ⑩ NOT USED THIS SHEET.
- ⑪ NOT USED THIS SHEET.
- ⑫ NOT USED THIS SHEET.
- ⑬ NOT USED THIS SHEET.
- ⑭ NOT USED THIS SHEET.
- ⑮ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.
- ⑯ NOT USED THIS SHEET.
- ⑰ NOT USED THIS SHEET.
- ⑱ NOT USED THIS SHEET.
- ⑲ NOT USED THIS SHEET.

**GENERAL NOTES**

- 1. MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 2. FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.
- 3. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-425-5555, AT LEAST, 48 HOURS PRIOR TO INSTALLING SIGN POSTS.

NO.	DATE	BY	APPR.	REVISIONS						
					<b>Approved By</b>					
					TRANSPORTATION DESIGN MANAGER	DATE	S. HAILE	03/18		
					PROJECT MANAGER	DATE	S. HAILE	03/18		
						DATE	C. MASEK	03/18		
						DATE	CHECKED BY			

**City of Bellevue**  
Transportation Department

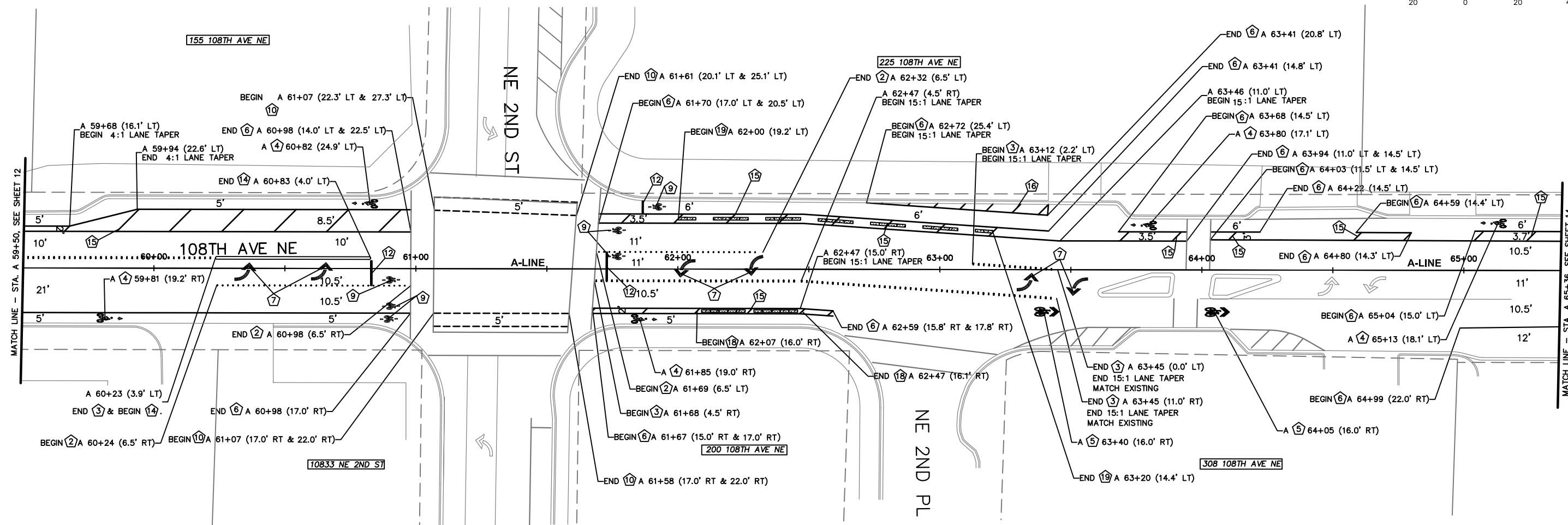
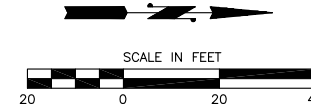
4/2/18

108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES

CHANNELIZATION AND SIGNING PLAN

SHT 12 OF 37

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

1. MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.

**CHANNELIZATION NOTES**

- |  |  |
|--|--|
| 1 NOT USED THIS SHEET.   | 11 NOT USED THIS SHEET.  |
| 2 INSTALL WHITE SOLID LANE LINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.    | 12 INSTALL 12" PLASTIC STOP LINE.                                      |
| 3 INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1. | 13 NOT USED THIS SHEET.  |
| 4 INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.             | 14 INSTALL TYPE C PRECAST TRAFFIC CURB PER COB STD. DWG. NO. CH-150-1. |
| 5 INSTALL WHITE PLASTIC SHARED USE LANE SYMBOL PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.           | 15 INSTALL 6" PLASTIC CROSSHATCH PER DETAIL E SHEET-19.                |
| 6 INSTALL 6" WHITE PAINT LINE.   | 16 INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.                |
| 7 INSTALL PLASTIC ARROW PER COB STD. DWG. NO. CH-170-1.  | 17 NOT USED THIS SHEET.  |
| 8 NOT USED THIS SHEET.   | 18 INSTALL 12" LANE SEPARATION CURB PER DETAIL G SHEET-19.             |
| 9 INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO. SL-290-1.                                      | 19 INSTALL 12" LANE SEPARATION CURB PER DETAIL H SHEET-19.             |
| 10 INSTALL 6" WHITE DASHED PLASTIC LINE PER DETAIL B SHEET-19.   |  |

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

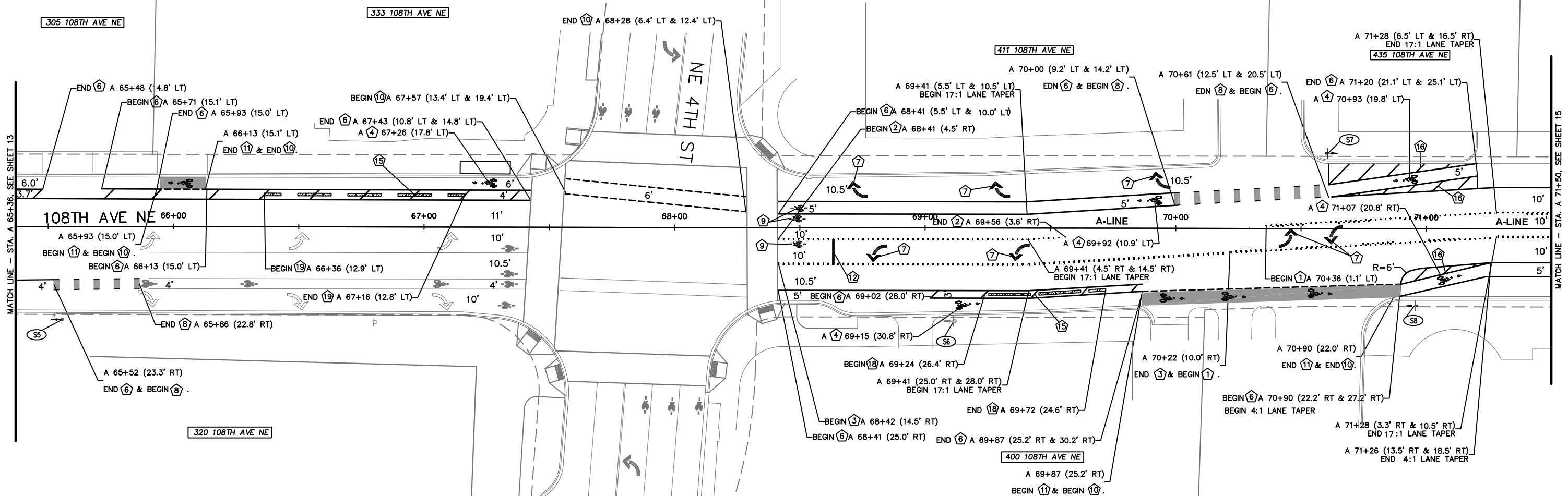
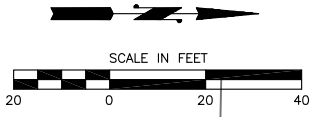
S. HAILE	03/18
DESIGNED BY	DATE
S. HAILE	03/18
DRAWN BY	DATE
C. MASEK	03/18
CHECKED BY	DATE



4/2/18

**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**SIGN SCHEDULE**

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S5	65+55	37'RT	NEW	R4-4	36X30	WHITE	BEGIN RIGHT TURN LANE YIELD TO BIKES	INSTALL NEW SIGN ON NEW POST
S6	69+11	37'RT	EX.	R3-7	30X30	WHITE	RIGHT LANE MUST TURN RIGHT	REMOVE SIGN FROM EXISTING POLE
S7	70+60	30'LT	NEW	R4-4	36X30	WHITE	BEGIN RIGHT TURN LANE YIELD TO BIKES	INSTALL NEW SIGN ON NEW POST
S8	70+95	32'RT	NEW	R4-4	36X30	WHITE	BEGIN RIGHT TURN LANE YIELD TO BIKES	INSTALL NEW SIGN ON NEW POST

**CHANNELIZATION NOTES**

- 1 INSTALL TWO-WAY LEFT TURN LINE USING TYPE 1Y AND TYPE 2YY RPMS PER COB STD. DWG. NO CH-100-1.
- 2 INSTALL WHITE SOLID LANE LINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.
- 3 INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.
- 4 INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.
- 5 NOT USED THIS SHEET.
- 6 INSTALL 6" WHITE PAINT LINE.
- 7 INSTALL PLASTIC ARROW PER COB STD. DWG. NO. CH-170-1.
- 8 INSTALL GREEN DASHED BICYCLE MARKING PER DETAIL A SHEET-19.
- 9 INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO SL-290-1.
- 10 INSTALL 6" WHITE DASHED PLASTIC LINE PER DETAIL B SHEET-19.
- 11 INSTALL SOLID GREEN CONFLICT ZONE APPROACH MARKING PER DETAIL C SHEET-19.
- 12 INSTALL 12" PLASTIC STOP LINE.
- 13 NOT USED THIS SHEET.
- 14 NOT USED THIS SHEET.
- 15 INSTALL 6" PLASTIC CROSSHATCH PER DETAIL E SHEET-19.
- 16 INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.
- 17 NOT USED THIS SHEET.
- 18 INSTALL 12" LANE SEPARATION CURB PER DETAIL G SHEET-19.
- 19 INSTALL 12" LANE SEPARATION CURB PER DETAIL H SHEET-19.

**GENERAL NOTES**

1. MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.
3. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-425-5555, AT LEAST, 48 HOURS PRIOR TO INSTALLING SIGN POSTS.

NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

TRANSPORTATION DESIGN MANAGER DATE

PROJECT MANAGER DATE

S. HAILE 03/18  
DESIGNED BY DATE

S. HAILE 03/18  
DRAWN BY DATE

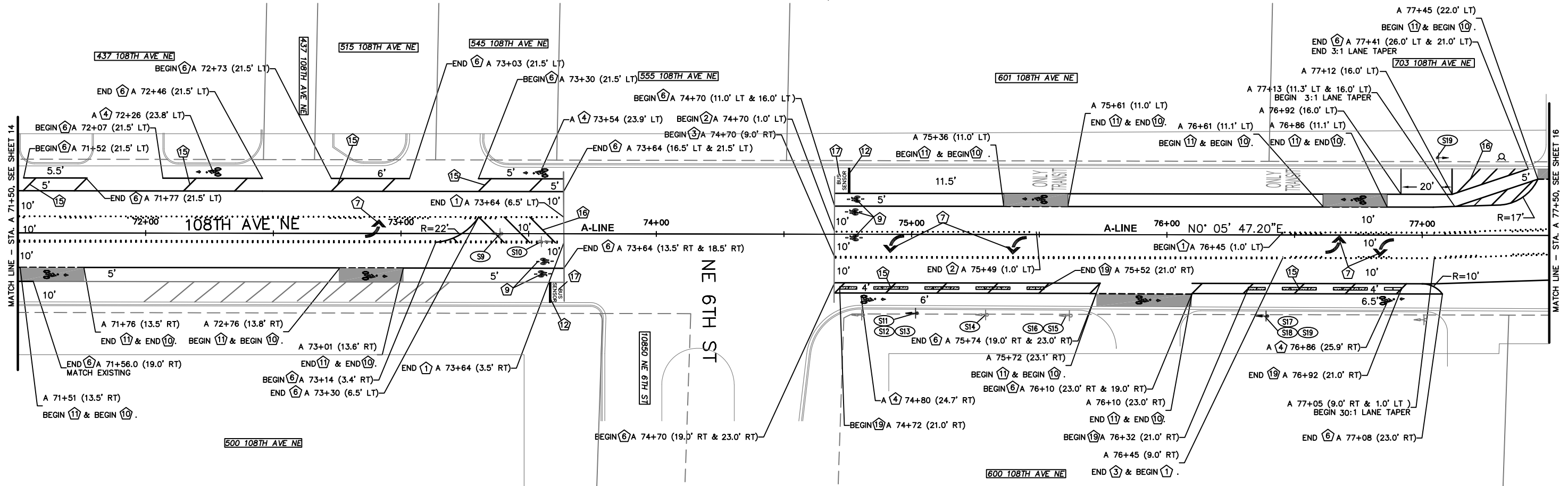
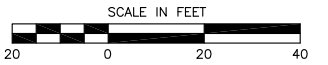
C. MASEK 03/18  
CHECKED BY DATE



**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**CHANNELIZATION AND SIGNING PLAN**

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**SIGN SCHEDULE**

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S9	73+40	0' RT	EX.	R4-7	24X30	WHITE	KEEP RIGHT	REMOVE SIGN AND POST
S10	73+54	3' RT	EX.	R4-7	24X30	WHITE	KEEP RIGHT	REMOVE SIGN AND POST
S11	75+03	31' RT	EX.	SPECIAL	12X18	WHITE	3 MINUTE PASSENGER DROP OFF ONLY/ TOW AWAY ZONE	REMOVE SIGN FROM EXISTING POST
S12	75+03	31' RT	EX.	SPECIAL	12X18	WHITE	NO PARKING SOUTH OF HERE	REMOVE SIGN FROM EXISTING POST
S13	75+03	31' RT	NEW	R7-1	12X18	WHITE	NO PARKING AT ANY TIME (LEFT ARROW)	INSTALL SIGN ON EXISTING POST
S14	75+30	31' RT	EX.	SPECIAL	12X18	WHITE	3 MINUTE PASSENGER DROP OFF ONLY/ TOW AWAY ZONE	REMOVE SIGN FROM EXISTING POST
S15	75+62	31' RT	EX.	SPECIAL	12X18	WHITE	3 MINUTE PASSENGER DROP OFF ONLY/ TOW AWAY ZONE	REMOVE SIGN AND POST
S16	75+62	31' RT	EX.	SPECIAL	12X18	WHITE	NO PARKING NORTH OF HERE	REMOVE SIGN AND POST
S17	76+38	31' RT	EX.	SPECIAL	12X18	WHITE	NO PARKING 7:00 AM TO 6:00PM	REMOVE SIGN FROM EXISTING POST
S18	76+38	31' RT	EX.	SPECIAL	12X18	WHITE	NO PARKING SOUTH OF HERE	REMOVE SIGN FROM EXISTING POST
S19	76+38	31' RT	NEW	R7-1	12X18	WHITE	NO PARKING AT ANY TIME (RIGHT ARROW)	INSTALL SIGN ON EXISTING POST
S20	77+06	30' RT	NEW	SPECIAL	12X18	WHITE	3 MINUTE PASSENGER DROP OFF ONLY/ TOW AWAY ZONE	INSTALL NEW SIGN ON NEW POST

**CHANNELIZATION NOTES**

- ① INSTALL TWO-WAY LEFT TURN LINE USING TYPE 1Y AND TYPE 2YY RPMS PER COB STD. DWG. NO CH-100-1.
- ② INSTALL WHITE SOLID LANE LINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.
- ③ INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.
- ④ INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.
- ⑤ NOT USED THIS SHEET.
- ⑥ INSTALL 6" WHITE PAINT LINE.
- ⑦ INSTALL PLASTIC ARROW PER COB STD. DWG. NO. CH-170-1.
- ⑧ NOT USED THIS SHEET.
- ⑨ INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO SL-290-1.
- ⑩ INSTALL 6" WHITE DASHED PLASTIC LINE PER DETAIL B SHEET-19.

- ⑪ INSTALL SOLID GREEN CONFLICT ZONE APPROACH MARKING PER DETAIL C SHEET-19.
- ⑫ INSTALL 12" PLASTIC STOP LINE.
- ⑬ NOT USED THIS SHEET.
- ⑭ NOT USED THIS SHEET.
- ⑮ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL E SHEET-19.
- ⑯ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.
- ⑰ INSTALL 12" PLASTIC TRAFFIC LETTER.
- ⑱ NOT USED THIS SHEET.
- ⑲ INSTALL 12" LANE SEPARATION CURB PER DETAIL H SHEET-19.

**GENERAL NOTES**

1. MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.
3. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-425-5555, AT LEAST, 48 HOURS PRIOR TO INSTALLING SIGN POSTS.

NO.	DATE	BY	APPR.	REVISIONS

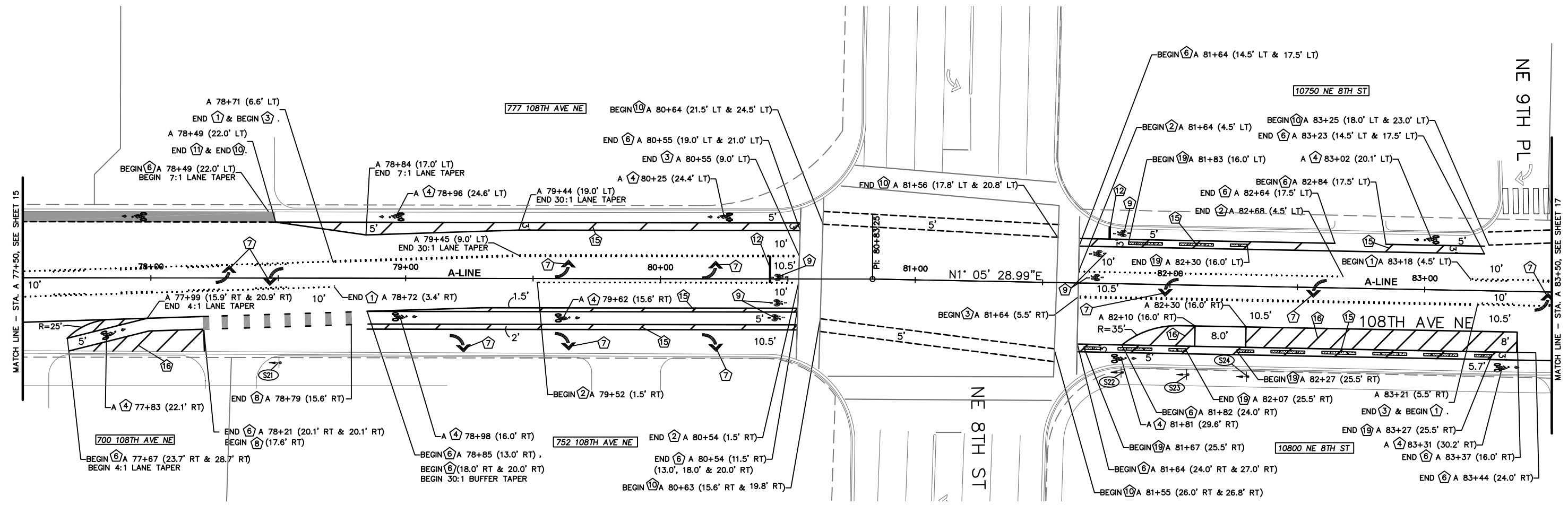
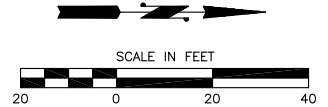
Approved By		DATE	
TRANSPORTATION DESIGN MANAGER	DATE	S. HAILE	03/18
PROJECT MANAGER	DATE	S. HAILE	03/18
	DATE	C. MASEK	03/18
	DATE	CHECKED BY	DATE



4/2/18

## 108TH AVE NE MAIN ST TO NE 12TH ST - BIKE LANES

T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**SIGN SCHEDULE**

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S21	78+50	33'RT	NEW	R4-4	36X30	WHITE	BEGIN RIGHT TURN LANE YIELD TO BIKES	INSTALL NEW SIGN ON NEW POST
S22	81+81	35'RT	NEW	R7-1	12X18	WHITE	NO PARKING AT ANY TIME (RIGHT ARROW)	INSTALL NEW SIGN ON NEW POST
S23	82+07	35'RT	NEW	SG-120-1 L	12X18	WHITE	15 MINUTE LOAD AND UNLOAD ONLY	INSTALL NEW SIGN ON NEW POST
S24	82+30	35'RT	NEW	SG-120-1 R	12X28	WHITE	15 MINUTE LOAD AND UNLOAD ONLY	INSTALL NEW SIGN ON NEW POST

**GENERAL NOTES**

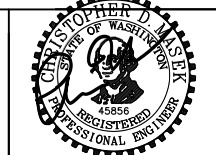
- MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.
- CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-425-5555, AT LEAST, 48 HOURS PRIOR TO INSTALLING SIGN POSTS.

**CHANNELIZATION NOTES**

- |  |   |
|--|---|
| <p>① INSTALL TWO-WAY LEFT TURN LINE USING TYPE 1Y AND TYPE 2YY RPMS PER COB STD. DWG. NO CH-100-1.</p> <p>② INSTALL WHITE SOLID LANE LINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.</p> <p>③ INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.</p> <p>④ INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.</p> <p>⑤ NOT USED THIS SHEET.</p> <p>⑥ INSTALL 6" WHITE PAINT LINE.</p> <p>⑦ INSTALL PLASTIC ARROW PER COB STD. DWG. NO. CH-170-1.</p> <p>⑧ INSTALL GREEN DASHED BICYCLE MARKING PER DETAIL A SHEET-19.</p> <p>⑨ INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO SL-290-1.</p> <p>⑩ INSTALL 6" WHITE DASHED PLASTIC LINE PER DETAIL B SHEET-19.</p> | <p>⑪ INSTALL SOLID GREEN CONFLICT ZONE APPROACH MARKING PER DETAIL C SHEET-19.</p> <p>⑫ INSTALL 12" PLASTIC STOP LINE.</p> <p>⑬ NOT USED THIS SHEET.</p> <p>⑭ NOT USED THIS SHEET.</p> <p>⑮ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL E SHEET-19.</p> <p>⑯ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.</p> <p>⑰ NOT USED THIS SHEET.</p> <p>⑱ NOT USED THIS SHEET.</p> <p>⑲ INSTALL 12" LANE SEPARATION CURB PER DETAIL H SHEET-19.</p> |
|--|---|

NO.	DATE	BY	APPR.	REVISIONS

Approved By		DATE
TRANSPORTATION DESIGN MANAGER	S. HAILE	03/18
PROJECT MANAGER	S. HAILE	03/18
	C. MASEK	03/18



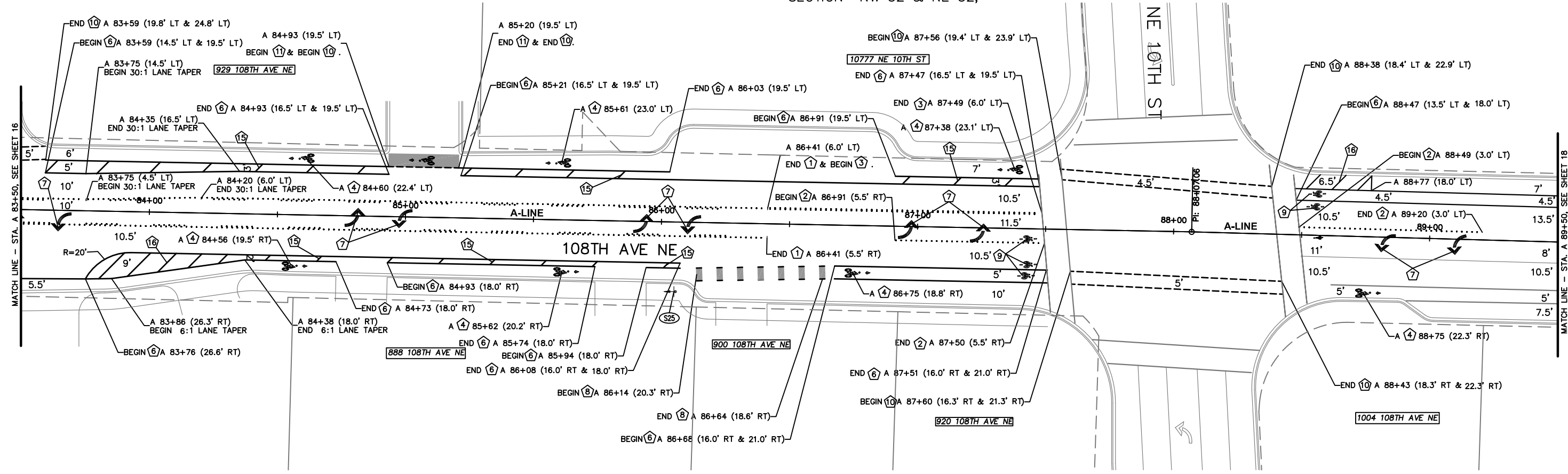
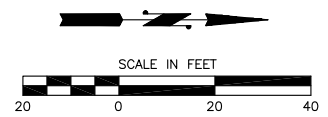
4/2/18

**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

**CHANNELIZATION AND SIGNING PLAN**



T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**SIGN SCHEDULE**

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S25	86+06	27' RT	NEW	R4-4	36X30	WHITE	BEGIN RIGHT TURN LANE YIELD TO BIKES	INSTALL NEW SIGN ON NEW POST

**GENERAL NOTES**

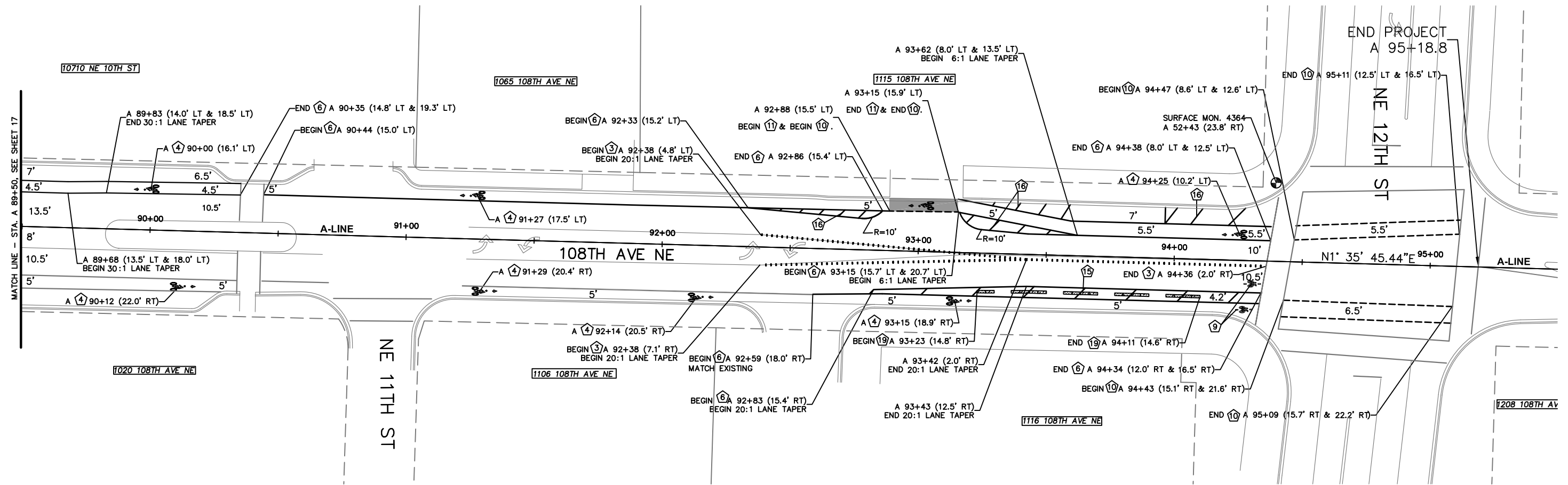
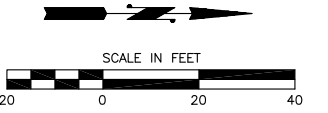
- MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.
- CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-425-5555, AT LEAST, 48 HOURS PRIOR TO INSTALLING SIGN POSTS.

**CHANNELIZATION NOTES**

- |  |  |
|--|--|
| <p>① INSTALL TWO-WAY LEFT TURN LINE USING TYPE 1Y AND TYPE 2YY RPMS PER COB STD. DWG. NO CH-100-1.</p> <p>② INSTALL WHITE SOLID LANE LINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.</p> <p>③ INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1.</p> <p>④ INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.</p> <p>⑤ NOT USED THIS SHEET.</p> <p>⑥ INSTALL 6" WHITE PAINT LINE.</p> <p>⑦ INSTALL PLASTIC ARROW PER COB STD. DWG. NO. CH-170-1.</p> <p>⑧ INSTALL GREEN DASHED BICYCLE MARKING PER DETAIL A SHEET-19.</p> <p>⑨ INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO SL-290-1.</p> <p>⑩ INSTALL 6" WHITE DASHED PLASTIC LINE PER DETAIL B SHEET-19.</p> | <p>⑪ INSTALL SOLID GREEN CONFLICT ZONE APPROACH MARKING PER DETAIL C SHEET-19.</p> <p>⑫ NOT USED THIS SHEET.</p> <p>⑬ NOT USED THIS SHEET.</p> <p>⑭ NOT USED THIS SHEET.</p> <p>⑮ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL E SHEET-19.</p> <p>⑯ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.</p> <p>⑰ NOT USED THIS SHEET.</p> <p>⑱ NOT USED THIS SHEET.</p> <p>⑲ NOT USED THIS SHEET.</p> |
|--|--|

<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPR.</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	APPR.	REVISIONS																					<p style="text-align: center;"><b>Approved By</b></p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">TRANSPORTATION DESIGN MANAGER</td> <td style="width:50%;">DATE</td> </tr> <tr> <td>PROJECT MANAGER</td> <td>DATE</td> </tr> <tr> <td> </td> <td>DATE</td> </tr> </table>	TRANSPORTATION DESIGN MANAGER	DATE	PROJECT MANAGER	DATE		DATE	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">S. HAILE</td> <td style="width:50%;">03/18</td> </tr> <tr> <td>DESIGNED BY</td> <td>DATE</td> </tr> <tr> <td>S. HAILE</td> <td>03/18</td> </tr> <tr> <td>DRAWN BY</td> <td>DATE</td> </tr> <tr> <td>C. MASEK</td> <td>03/18</td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> </tr> </table>	S. HAILE	03/18	DESIGNED BY	DATE	S. HAILE	03/18	DRAWN BY	DATE	C. MASEK	03/18	CHECKED BY	DATE	<p style="font-size: 24pt; font-weight: bold;">City of Bellevue</p> <p>Transportation Department</p>	<p style="font-size: 18pt; font-weight: bold;">108TH AVE NE MAIN ST TO NE 12TH ST - BIKE LANES</p>	<p style="font-weight: bold;">CHANNELIZATION AND SIGNING PLAN</p> <p>SHT 17 OF 37</p>
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T.25N. R.5E. W.M.  
SECTION NW 32 & NE 32,



**GENERAL NOTES**

1. MATERIAL SHALL BE THERMOPLASTIC, HOT APPLIED OR HEAT FUSED PREFORMED (90 MIL. MIN.), UNLESS OTHERWISE APPROVED BY THE ENGINEER.
2. FOR SIGN, SIGN POST, AND FOUNDATION INSTALLATION DETAILS, SEE COB STD. DWG. NO. SG-100-1.

**CHANNELIZATION NOTES**

- |  |   |
|--|---|
| ① NOT USED THIS SHEET.   | ⑪ INSTALL SOLID GREEN CONFLICT ZONE APPROACH MARKING PER DETAIL C SHEET-19. |
| ② NOT USED THIS SHEET.   | ⑫ NOT USED THIS SHEET.  |
| ③ INSTALL YELLOW DOUBLE CENTERLINE USING TYPE 1 AND TYPE 2 RPMS PER COB STD. DWG. NO. CH-100-1 AND CH-120-1. | ⑬ NOT USED THIS SHEET.  |
| ④ INSTALL WHITE PLASTIC BICYCLE LANE MARKING PER COB STD. DWG. NO. CH-270-1, AND GENERAL NOTE 1.             | ⑭ NOT USED THIS SHEET.  |
| ⑤ NOT USED THIS SHEET.   | ⑮ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL E SHEET-19.                      |
| ⑥ INSTALL 6" WHITE PAINT LINE.   | ⑯ INSTALL 6" PLASTIC CROSSHATCH PER DETAIL F SHEET-19.                      |
| ⑦ NOT USED THIS SHEET.   | ⑰ NOT USED THIS SHEET.  |
| ⑧ NOT USED THIS SHEET.   | ⑱ NOT USED THIS SHEET.  |
| ⑨ INSTALL BICYCLE LOOP DETECTOR MARKING PER COB STD. DWG. NO. SL-290-1.                                      | ⑲ INSTALL 12" LANE SEPARATION CURB PER DETAIL H SHEET-19.                   |
| ⑩ INSTALL 6" WHITE DASHED PLASTIC LINE PER DETAIL B SHEET-19.  |   |

4/2/18

NO.	DATE	BY	APPR.	REVISIONS

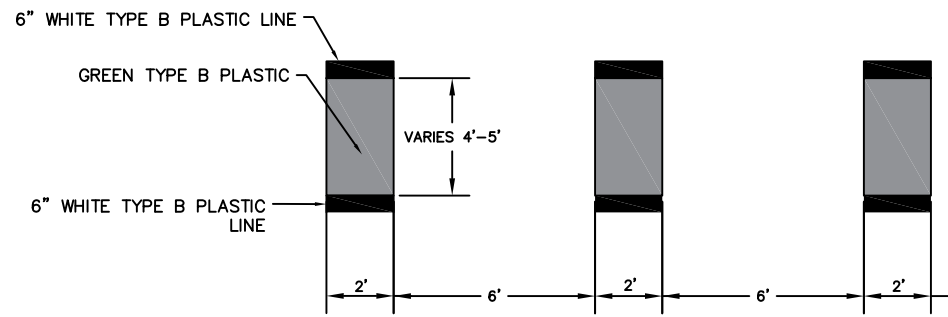
Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

S. HAILE	03/18
DESIGNED BY	DATE
S. HAILE	03/18
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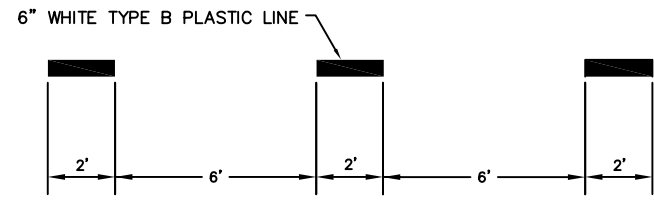


**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**

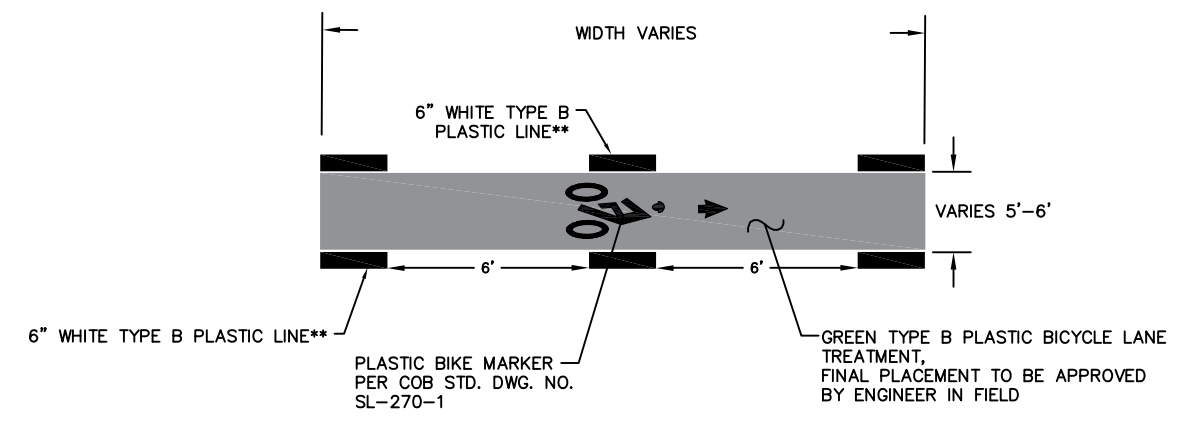
CHANNELIZATION AND SIGNING PLAN	
SHT 18	OF 37



**GREEN DASHED BICYCLE MARKING DETAIL A**  
NOT TO SCALE

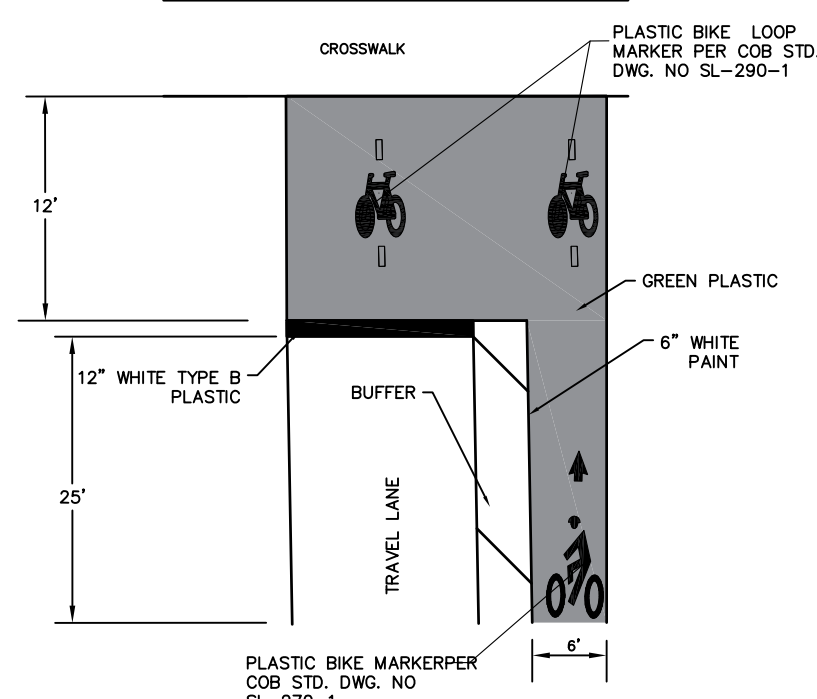


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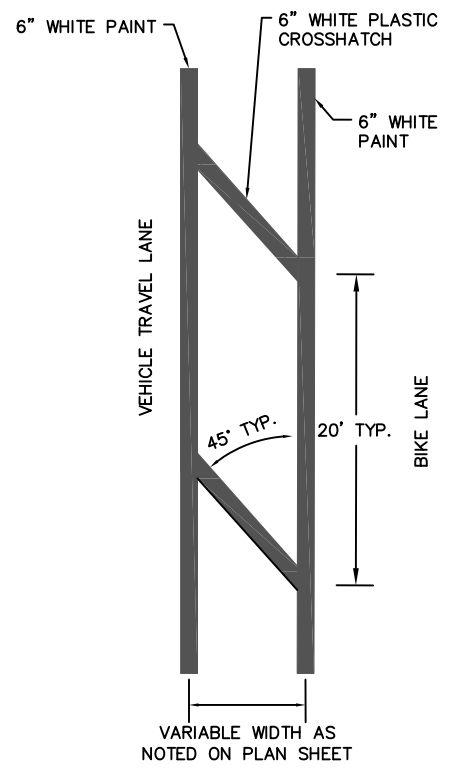


**CONFLICT ZONE APPROACH MARKING DETAIL C**  
NOT TO SCALE

\*\*NO WHITE PLASTIC LINES AGAINST GUTTER SIDE.

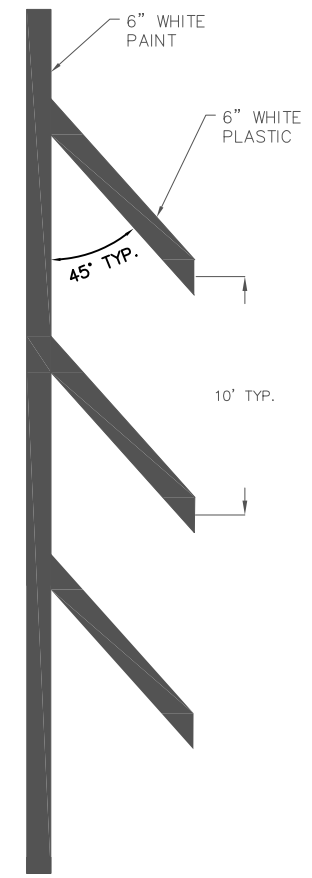


**GREEN BICYCLE BOX DETAIL D**  
NOT TO SCALE

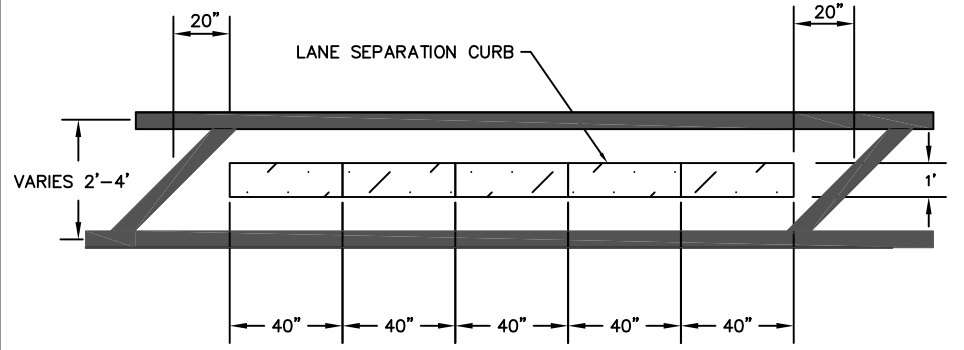


**BUFFER HATCH PATTERN DETAIL E**  
NOT TO SCALE

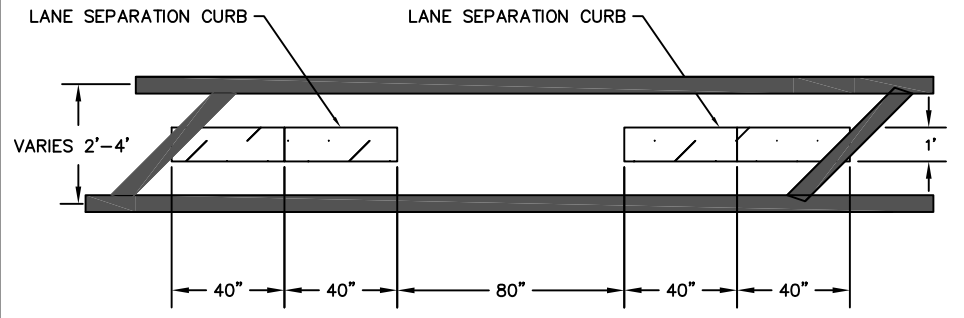
NOTES  
1. BUFFER DIAGONAL STRIPES SHALL BE ANGLED SUCH THAT THE LOWER END POINTS TO THE BIKE LANE.



**HATCH PATTERN DETAIL F**  
NOT TO SCALE  
4/2/18



**VERTICAL BUFFER DETAIL G**  
NOT TO SCALE

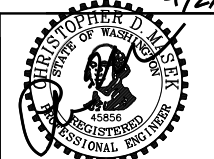


**VERTICAL BUFFER DETAIL H**  
NOT TO SCALE

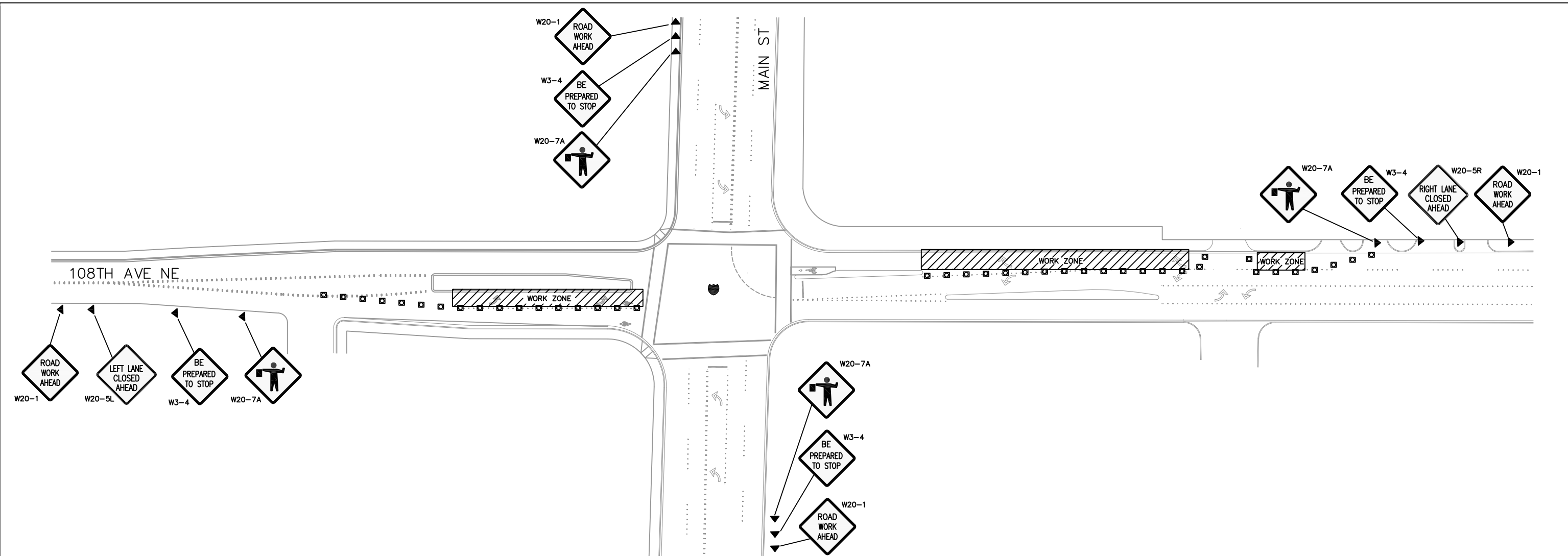
NO.	DATE	BY	APPR.	REVISIONS

Approved By	
TRANSPORTATION DESIGN MANAGER	DATE
PROJECT MANAGER	DATE
	DATE

S. HAILE	03/18	DATE
S. HAILE	03/18	DATE
C. MASEK	03/18	DATE



**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
25	105	6	55	4	115	7	60	4	125	7	65	4	25	35	3
30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

SIGN SPACING = X (FEET)			BUFFER DATA						
Urban Arterials			35 MPH			350' +/-			
Urban Streets, Residential & Business Districts			25/30			200' +/-			
Urban Streets			25 mph or less			*100' +/-			
* This spacing may be reduced in urban areas to fit roadway conditions. All signs are 48" X 48" black on orange unless otherwise specified									
BUFFER SPACE = B									
SPEED (MPH)	25	30	35	40	45	50			
LENGTH (FEET)	155	200	250	305	360	425			

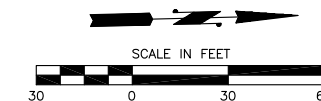
CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

\*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

**TRAFFIC CONTROL LEGEND**

- ▣ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⦿ POLICE OFFICER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



**GENERAL TRAFFIC CONTROL NOTES**

- TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
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- THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLANS REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS SHOWN IN THE CONTRACT PLANS. REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AT LEAST 14 DAYS PRIOR TO CONSTRUCTION AND SHALL BE APPROVED BY THE CITY.
- DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
- LANE WIDTHS OF 10 FEET MINIMUM OR GREATER SHALL BE MAINTAINED AT ALL TIMES.
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NO.	DATE	BY	APPR.	REVISIONS

**Approved By**

TRANSPORTATION DESIGN MANAGER DATE

PROJECT MANAGER DATE

D. Lam 03/18 DATE

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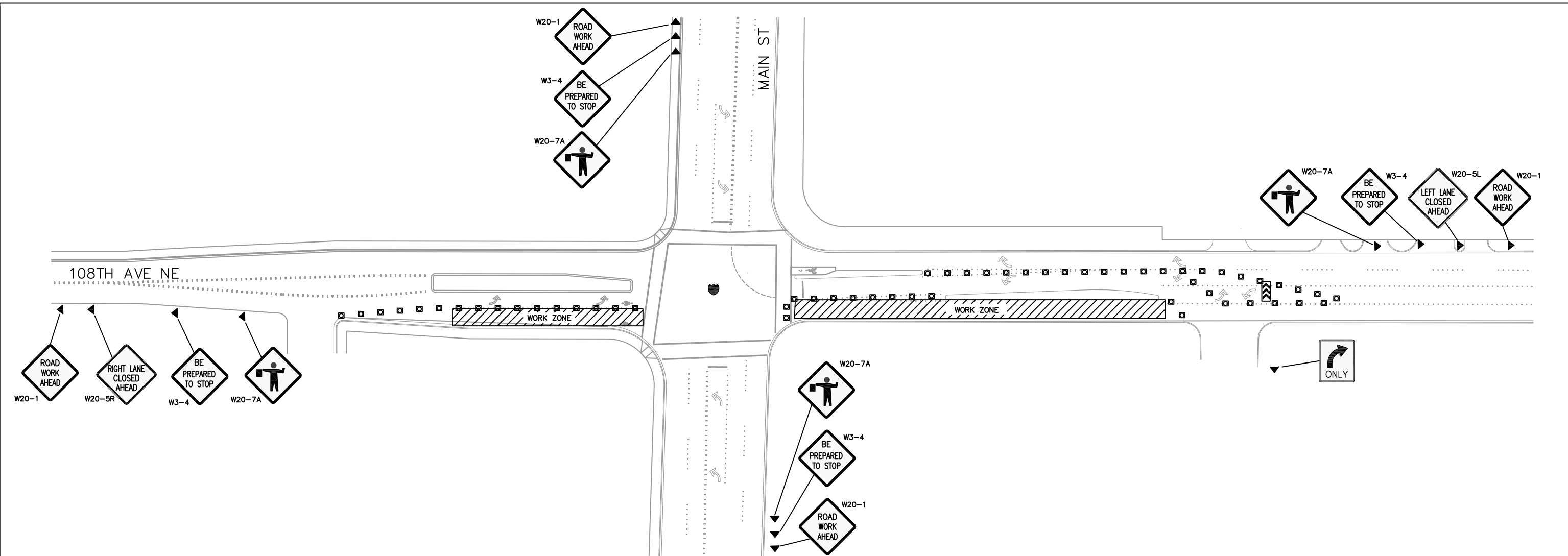
C. MASEK 03/18 DATE



**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**

**TRAFFIC CONTROL PLANS**

SHT 20 OF 37



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
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30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

SIGN SPACING = X (FEET)			BUFFER DATA						
Urban Arterials	35 MPH	350' +/-	BUFFER SPACE = B						
Urban Streets, Residential & Business Districts	25/30	200' +/-	SPEED (MPH)	25	30	35	40	45	50
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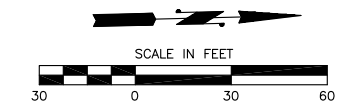
CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

\*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

**TRAFFIC CONTROL LEGEND**

- ▣ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER
- ▶▶▶ ARROW PANEL

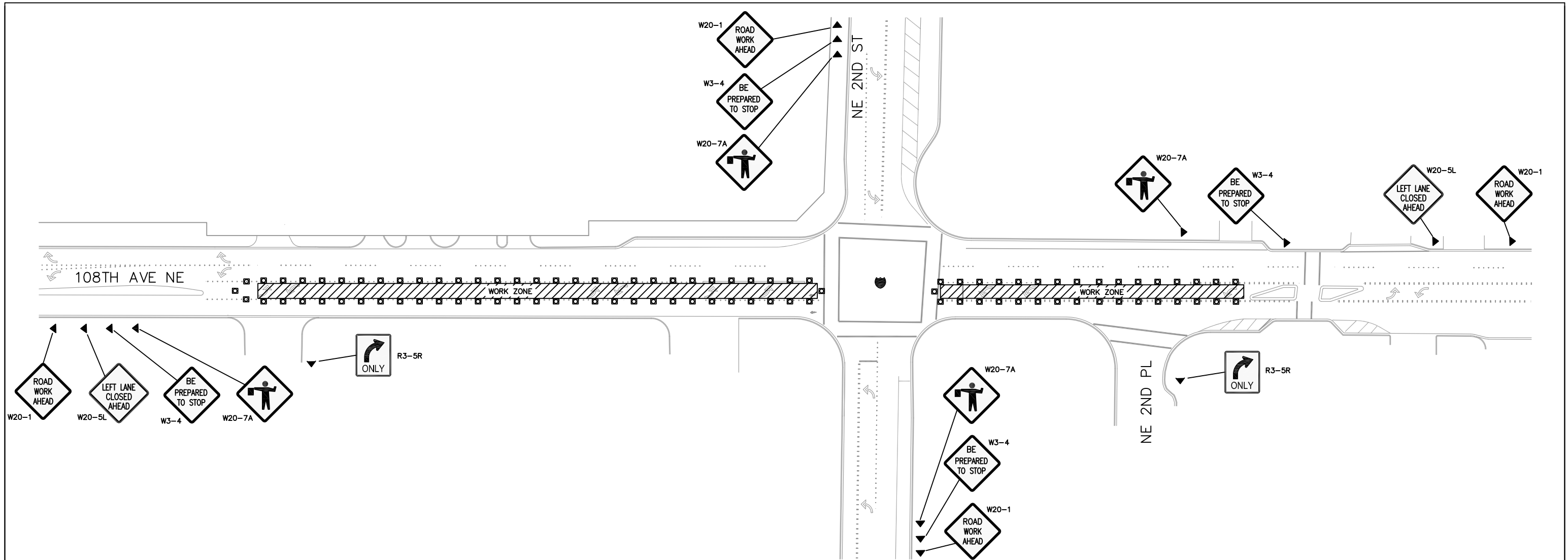
TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



**GENERAL TRAFFIC CONTROL NOTES**

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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>APPR.</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	APPR.	REVISIONS																					<p style="text-align: center;"><b>Approved By</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">TRANSPORTATION DESIGN MANAGER</td> <td style="width: 30%;">DATE</td> </tr> <tr> <td>PROJECT MANAGER</td> <td>DATE</td> </tr> <tr> <td> </td> <td>DATE</td> </tr> </table>	TRANSPORTATION DESIGN MANAGER	DATE	PROJECT MANAGER	DATE		DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">D. Lam</td> <td style="width: 30%;">03/18</td> <td style="width: 40%;">DATE</td> </tr> <tr> <td>D. Lam</td> <td>03/18</td> <td>DATE</td> </tr> <tr> <td>C. MASEK</td> <td>03/18</td> <td>DATE</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	D. Lam	03/18	DATE	D. Lam	03/18	DATE	C. MASEK	03/18	DATE				<p style="font-size: 24px; font-weight: bold; margin: 0;">City of Bellevue</p> <p style="font-weight: bold; margin: 0;">Transportation Department</p>	<p style="font-size: 24px; font-weight: bold; margin: 0;">108TH AVE NE MAIN ST TO NE 12TH ST - BIKE LANES</p>	<p style="font-weight: bold; margin: 0;">TRAFFIC CONTROL PLANS</p> <p style="margin: 0;">SHT <u>21</u> OF <u>37</u></p>
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**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
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SIGN SPACING = X (FEET)			BUFFER DATA						
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Urban Arterials	35 MPH	350' +/-	SPEED (MPH)	25	30	35	40	45	50
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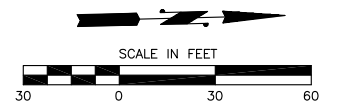
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CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

**TRAFFIC CONTROL LEGEND**

- ▣ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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**Approved By**

TRANSPORTATION DESIGN MANAGER DATE

PROJECT MANAGER DATE

D. Lam 03/18 DATE  
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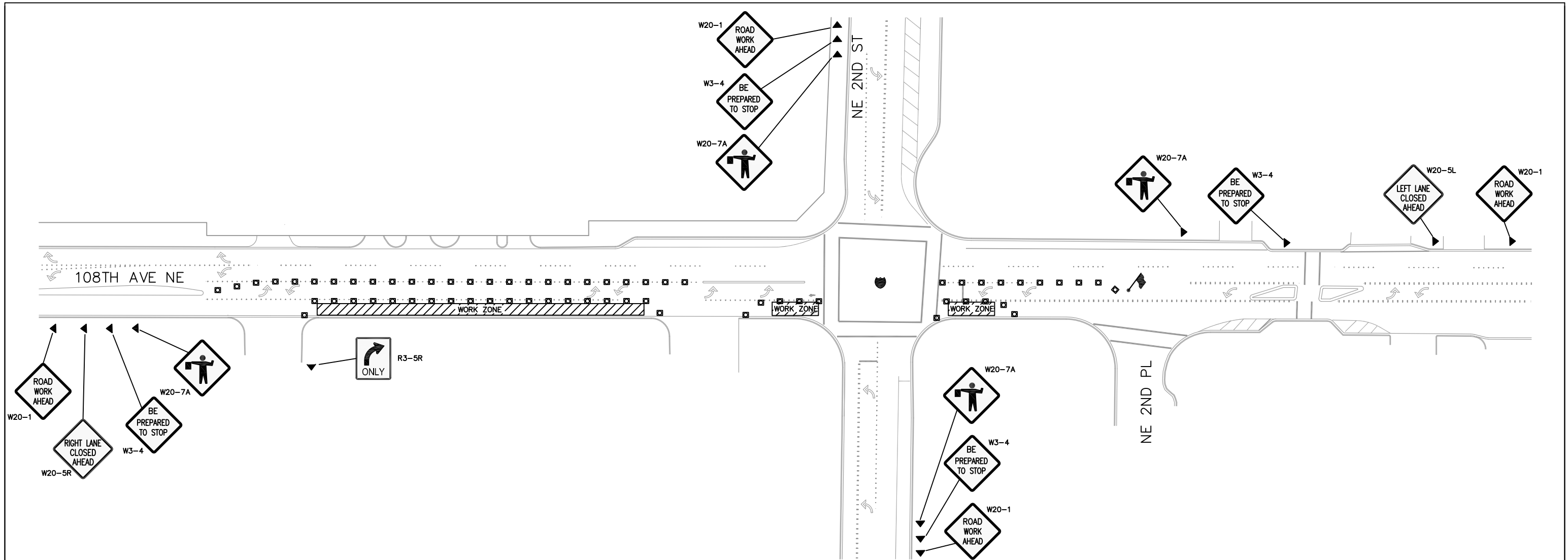
C. MASEK 03/18 DATE  
CHECKED BY



**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**

**TRAFFIC CONTROL PLANS**

SHT 22 OF 37



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
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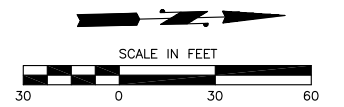
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CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
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35/45	30	60
25/30	20	40

**TRAFFIC CONTROL LEGEND**

- CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER
- 🚧 FLAGGER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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C. MASEK 03/18 DATE CHECKED BY

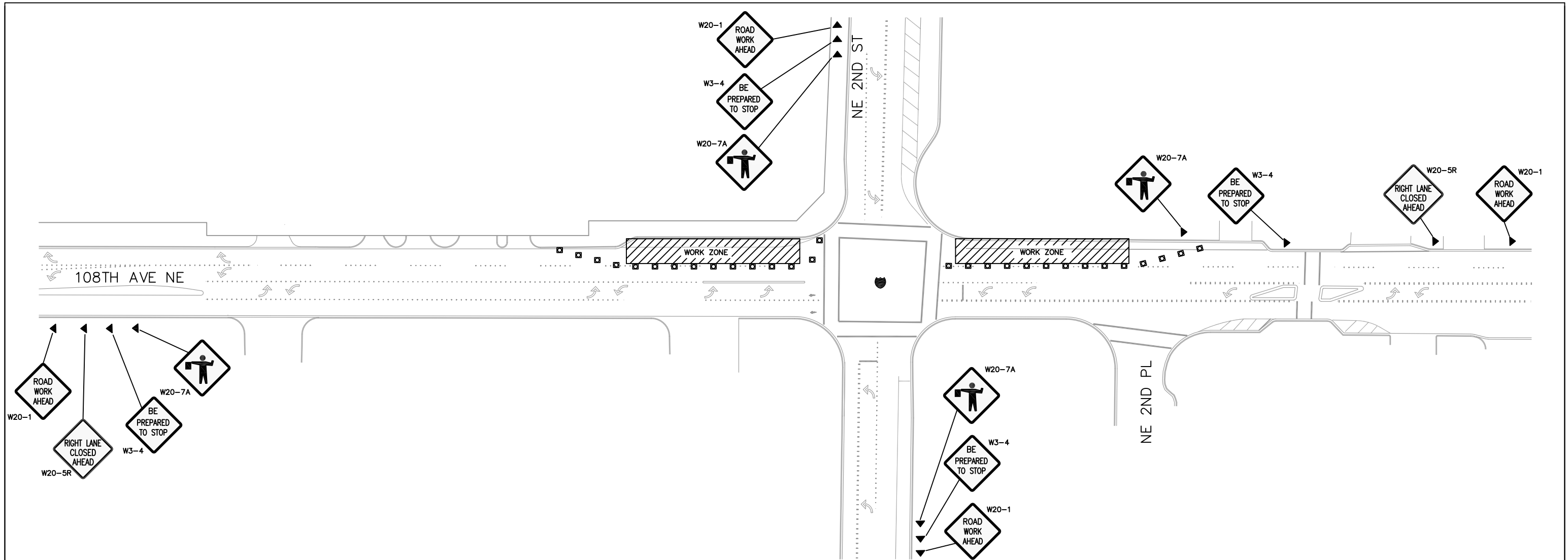


**108TH AVE NE**

**MAIN ST TO NE 12TH ST - BIKE LANES**

**TRAFFIC CONTROL PLANS**

SHT 23 OF 37



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
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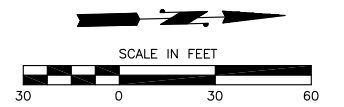
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CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
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**TRAFFIC CONTROL LEGEND**

- ▣ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21

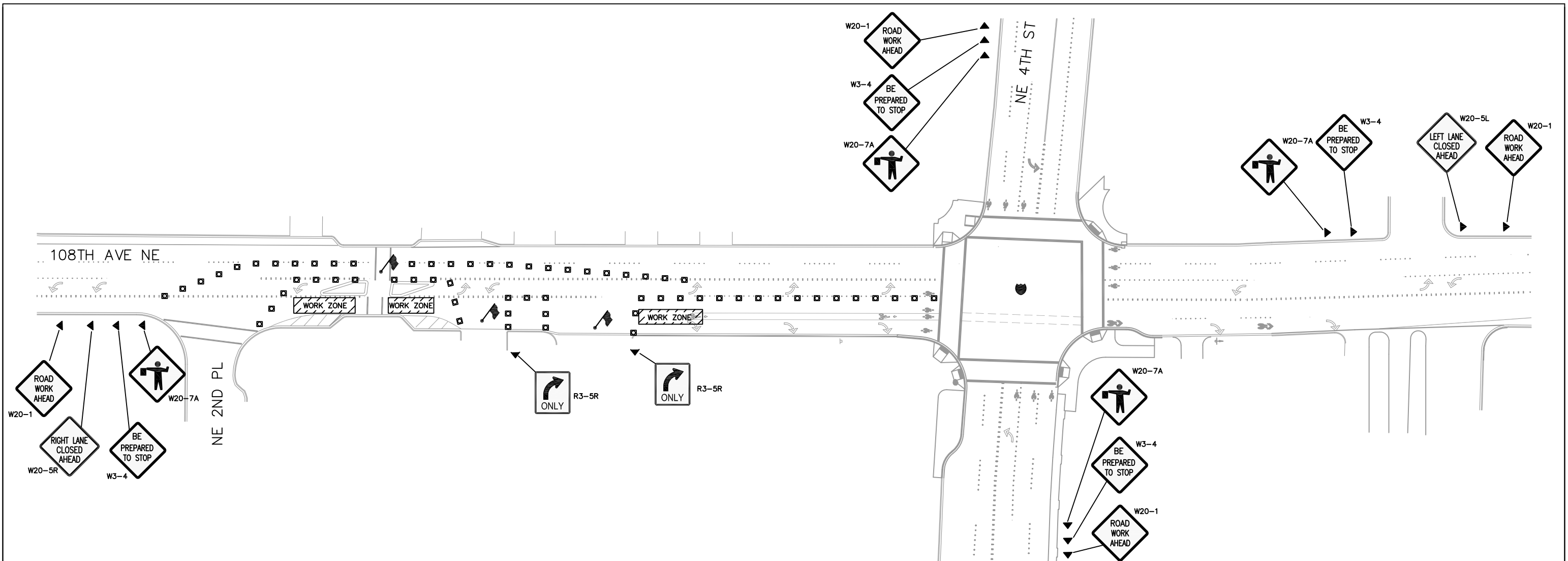


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**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
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45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

SIGN SPACING = X (FEET)			BUFFER DATA								
Urban Arterials			35 MPH			350' +/-					
Urban Streets, Residential & Business Districts			25/30			200' +/-					
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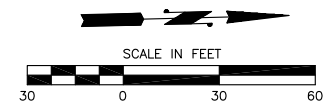
CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

\*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

**TRAFFIC CONTROL LEGEND**

- CHANNELIZATION DEVICE
- ▲ WARNING SIGN
- POLICE OFFICER
- ▲ FLAGGER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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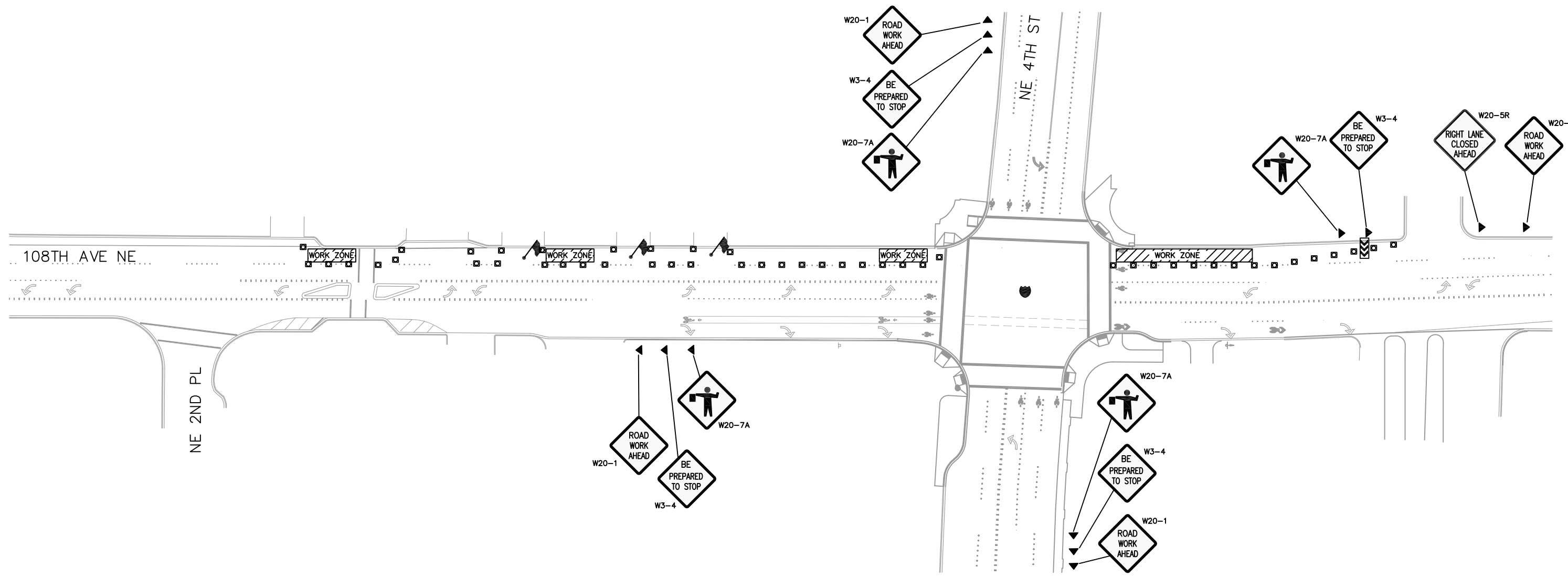
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**108TH AVE NE  
MAIN ST TO NE 12TH ST - BIKE LANES**

TRAFFIC CONTROL PLANS



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MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Length (FT)
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Urban Arterials, 35 MPH			25/30			200' +/-			
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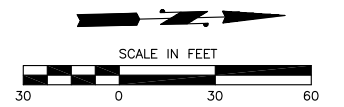
CHANNELIZING DEVICE SPACING (FEET)		
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**TRAFFIC CONTROL LEGEND**

- ▣ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER
- 🚧 FLAGGER
- ➡➡➡ ARROW PANEL

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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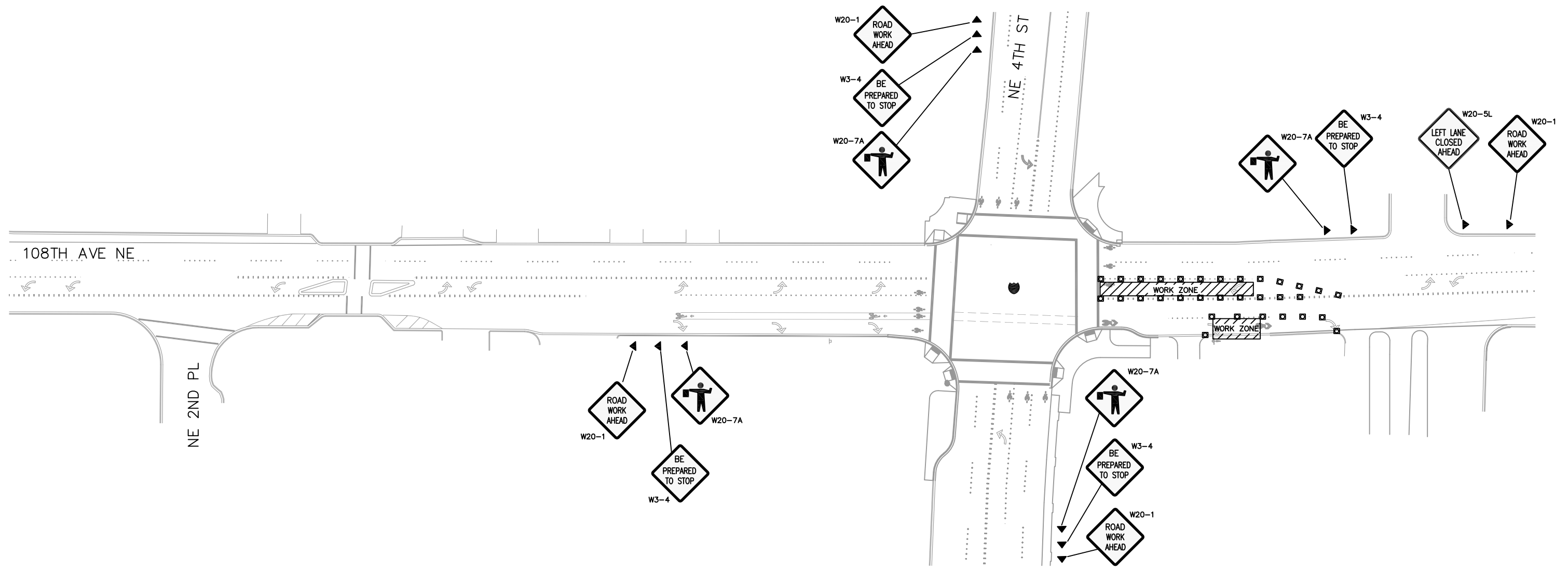
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**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**

**TRAFFIC CONTROL PLANS**

SHT 26 OF 37



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

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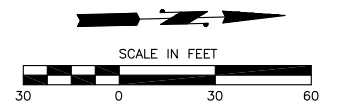
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- ⬤ POLICE OFFICER
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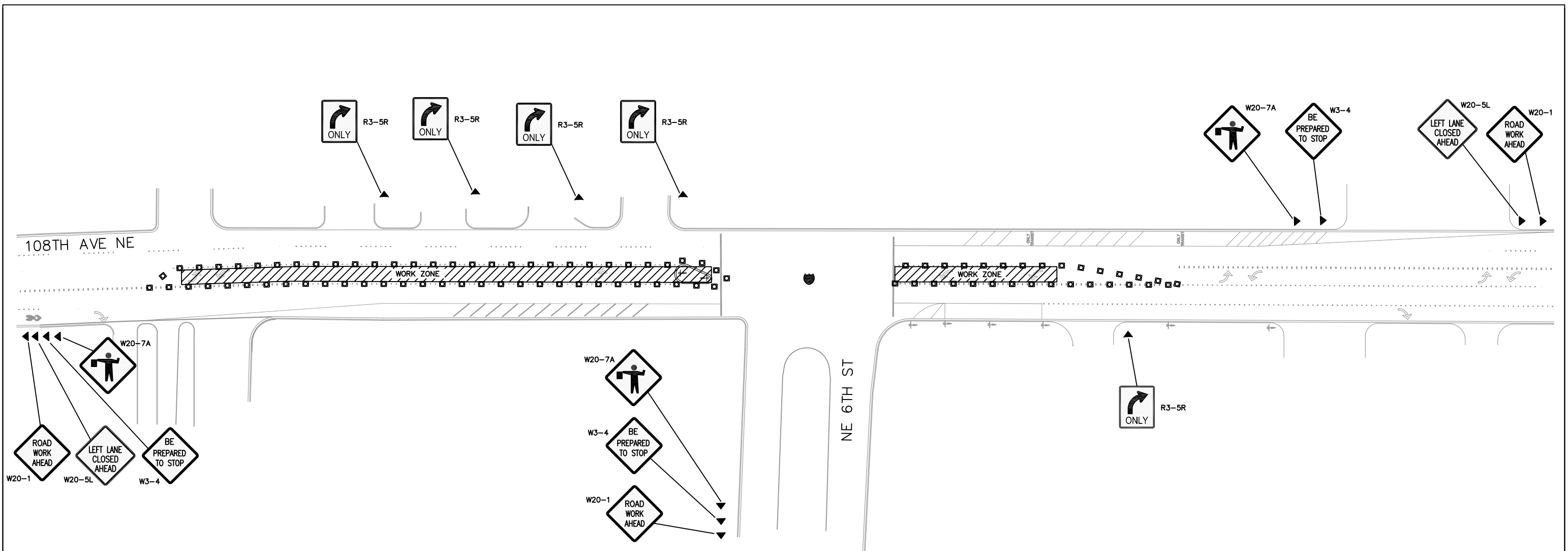
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TCS #010724  
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	L		1/2 L		L		1/2 L		L		1/2 L		MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
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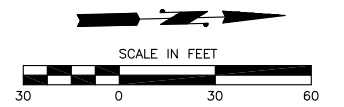
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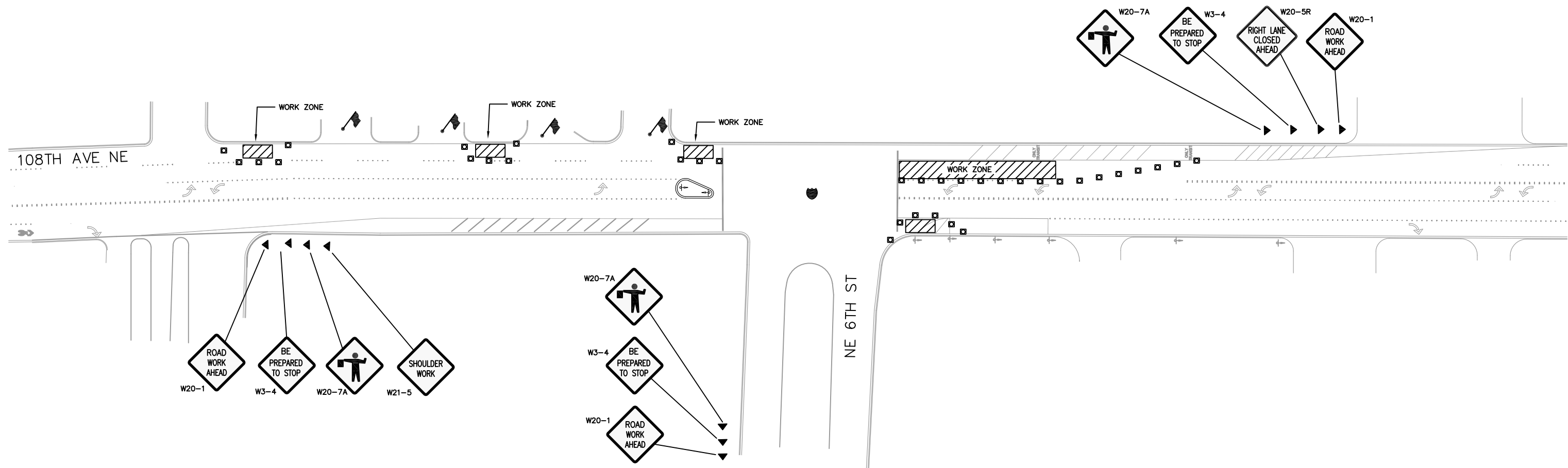
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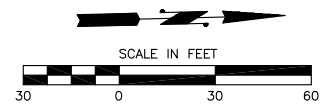
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CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

**TRAFFIC CONTROL LEGEND**

- CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER
- 🚧 FLAGGER

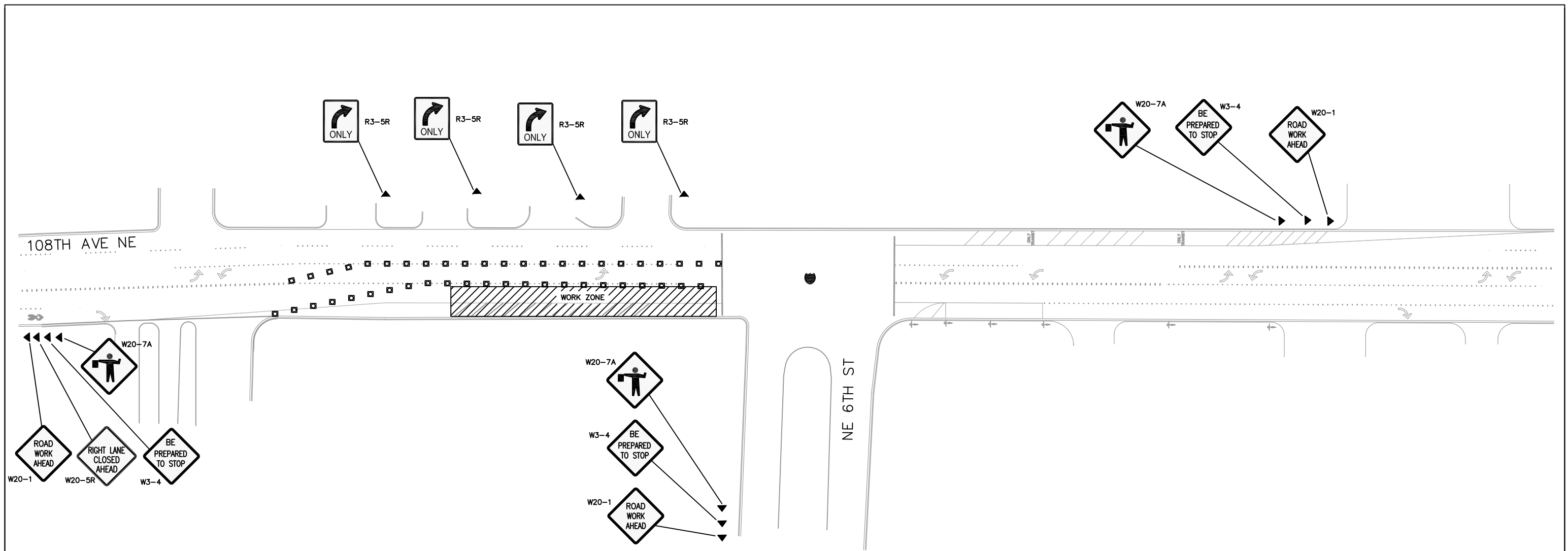
TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
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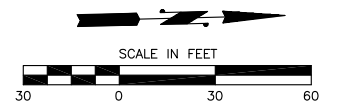
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MPH	TAPER	TANGENT
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**TRAFFIC CONTROL LEGEND**

- ▣ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬤ POLICE OFFICER
- 🚧 FLAGGER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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**Approved By**

TRANSPORTATION DESIGN MANAGER DATE

PROJECT MANAGER DATE

D. Lam 03/18 DATE  
DESIGNED BY

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DRAWN BY

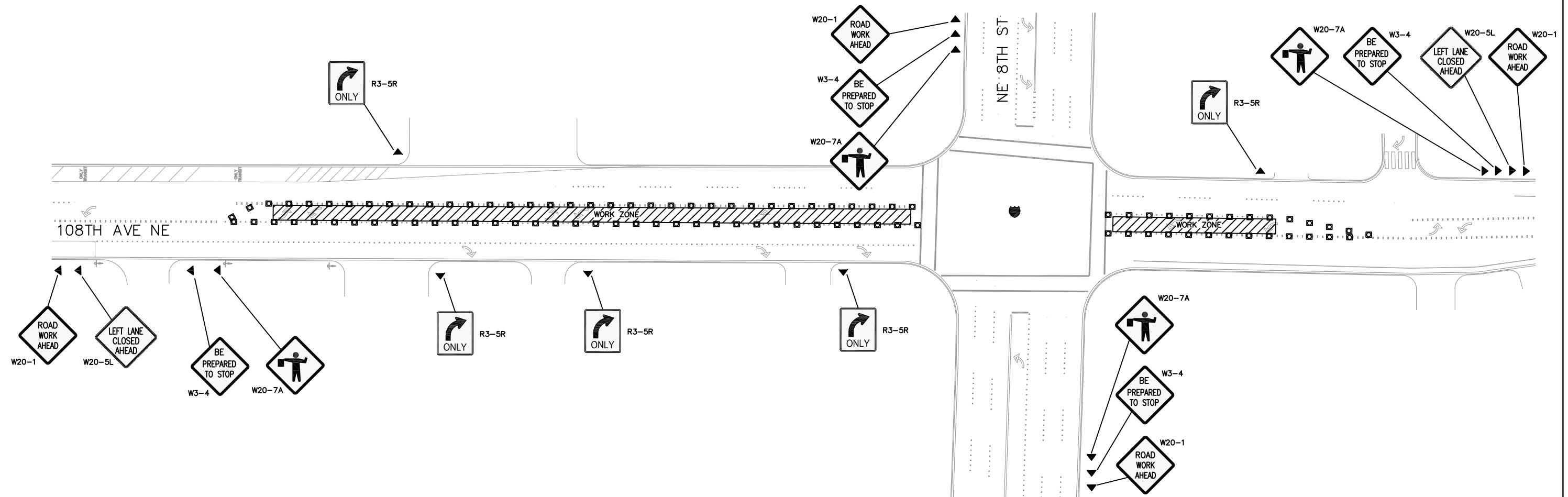
C. MASEK 03/18 DATE  
CHECKED BY



**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**

**TRAFFIC CONTROL PLANS**

SHT 30 OF 37



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

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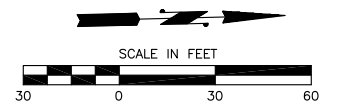
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**TRAFFIC CONTROL LEGEND**

- ◻ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
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TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



**GENERAL TRAFFIC CONTROL NOTES**

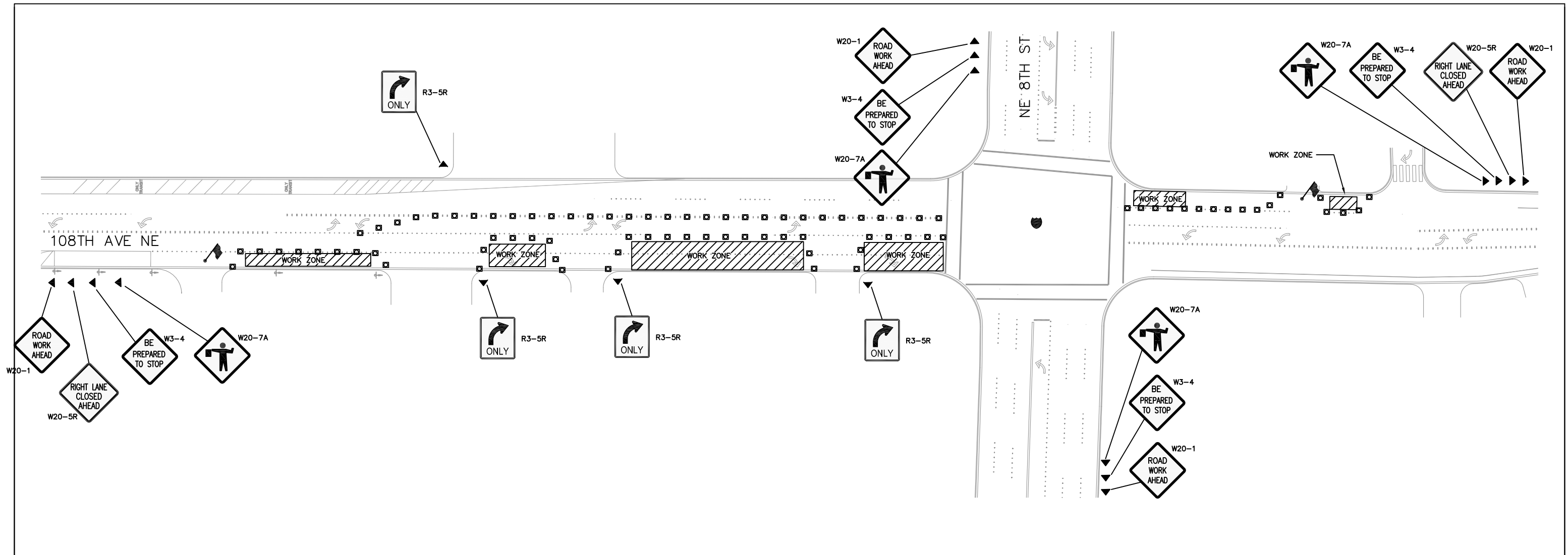
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Approved By		DATE
TRANSPORTATION DESIGN MANAGER	D. Lam	03/18
PROJECT MANAGER	D. Lam	03/18
	C. MASEK	03/18

**City of Bellevue**  
Transportation Department

**108TH AVE NE**  
**MAIN ST TO NE 12TH ST - BIKE LANES**



**TAPER / CHANNELIZING DEVICE TABLE**

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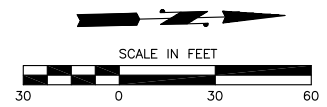
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TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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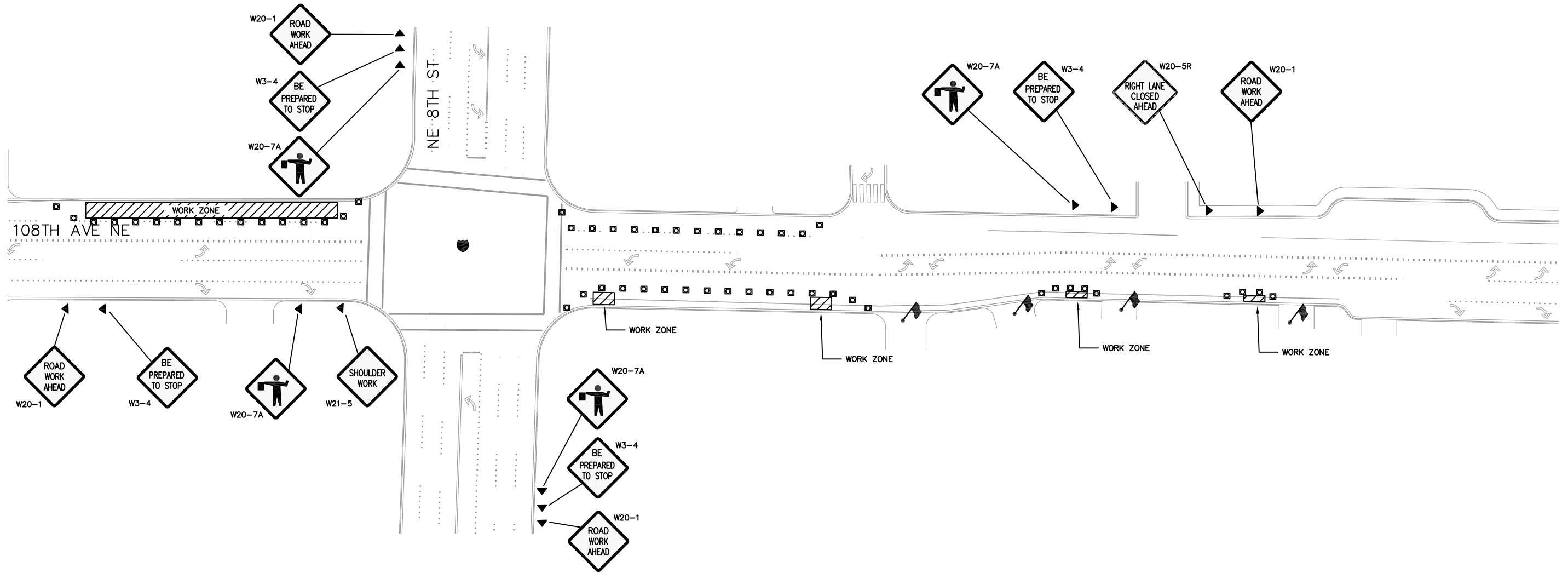
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TRANSPORTATION DESIGN MANAGER	D. Lam	03/18
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**City of Bellevue**  
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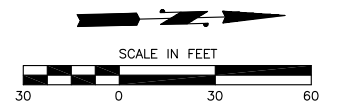
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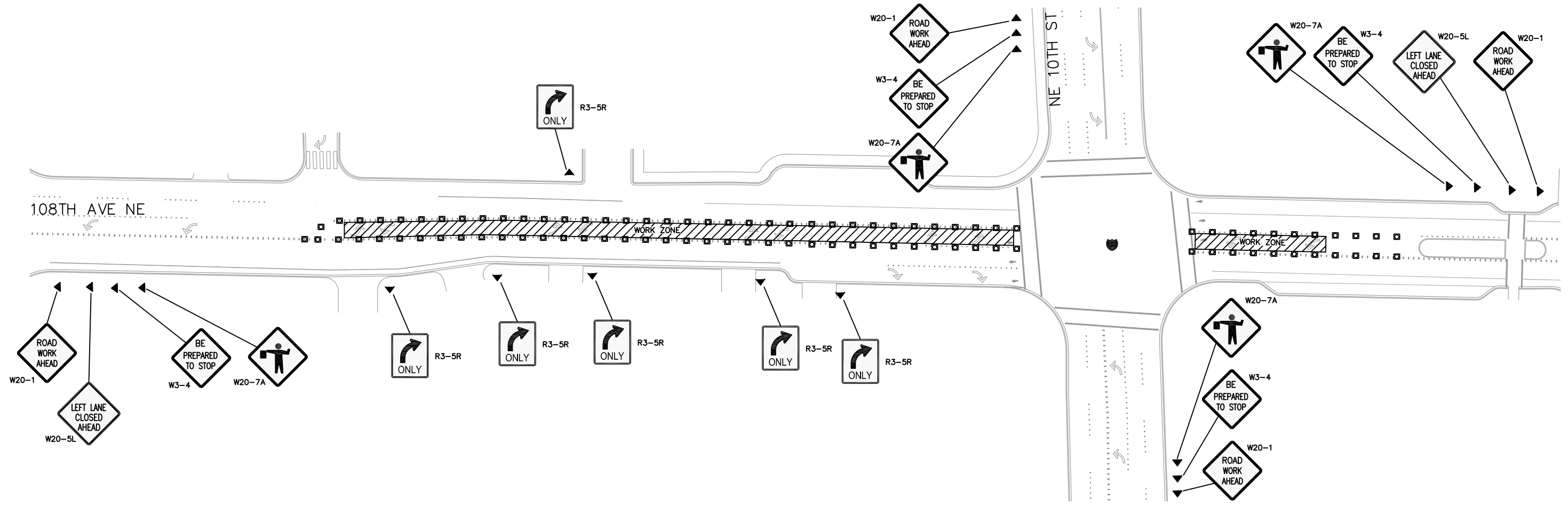
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MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Length (FT)
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40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
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SIGN SPACING = X (FEET)			BUFFER DATA								
Urban Arterials			35 MPH			350' +/-					
Urban Streets, Residential & Business Districts			25/30			200' +/-					
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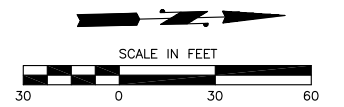
CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
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**TRAFFIC CONTROL LEGEND**

- ◻ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬇ POLICE OFFICER

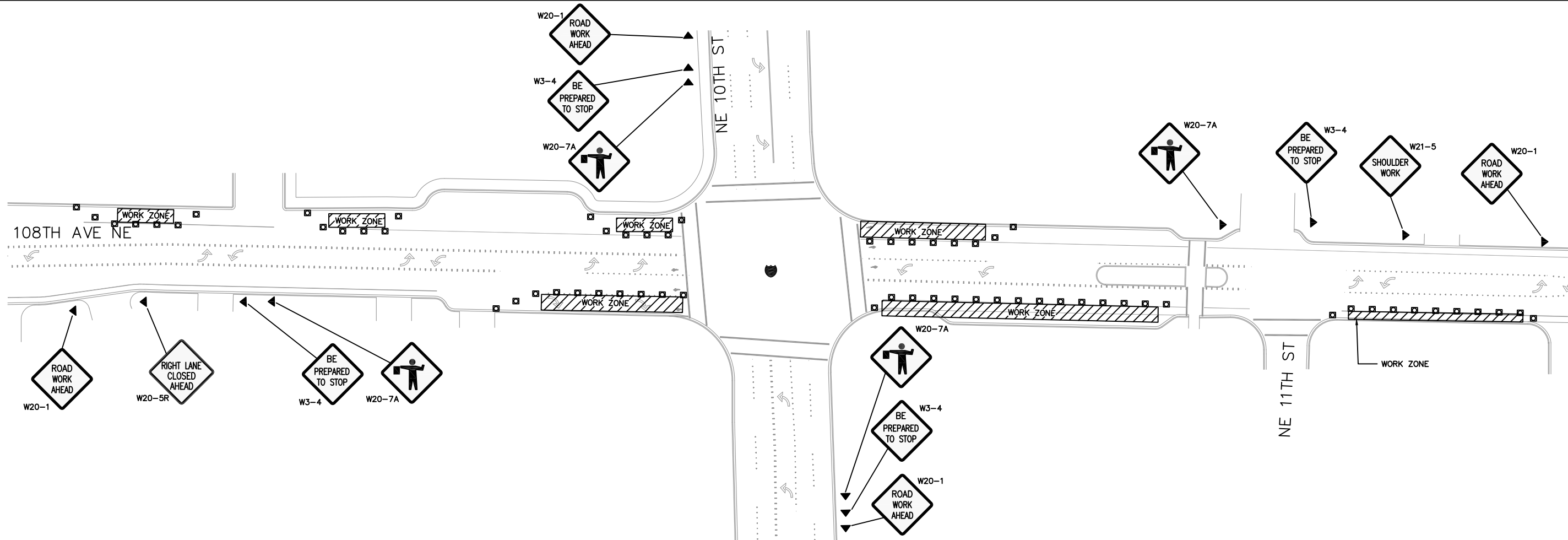
TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
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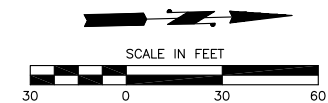
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**TRAFFIC CONTROL LEGEND**

- ◻ CHANNELIZATION DEVICE
- ▶ WARNING SIGN
- ⬮ POLICE OFFICER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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**Approved By**

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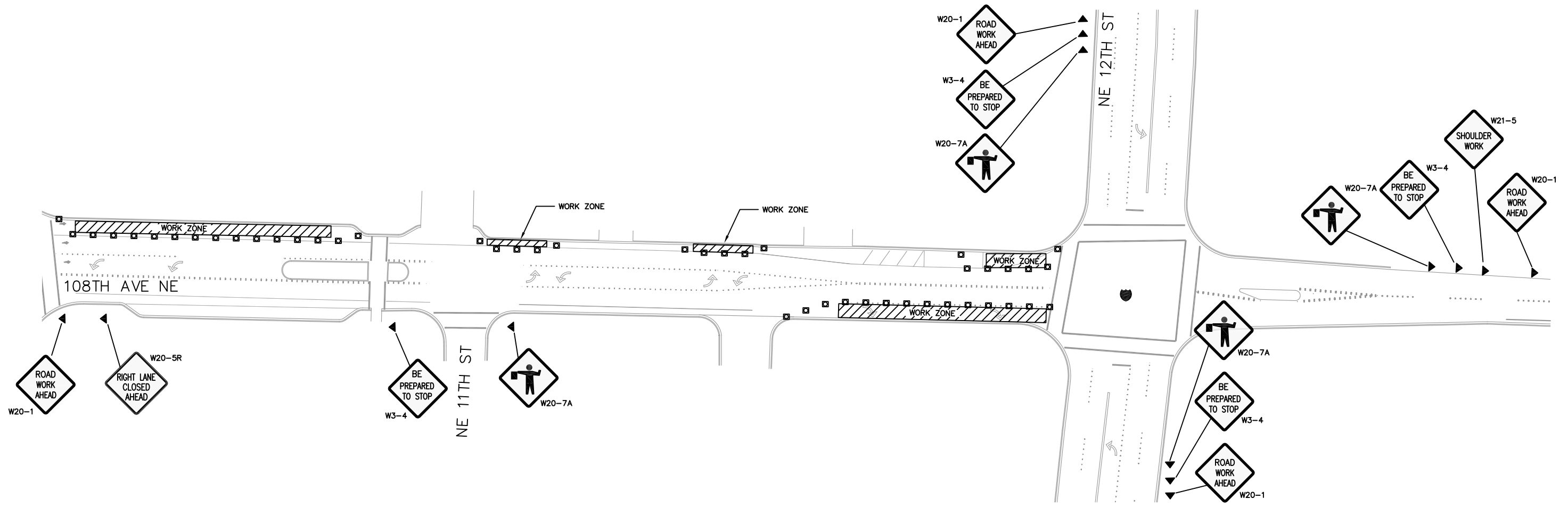


**108TH AVE NE**

**MAIN ST TO NE 12TH ST - BIKE LANES**

**TRAFFIC CONTROL PLANS**

SHT 35 OF 37



**TAPER / CHANNELIZING DEVICE TABLE**

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

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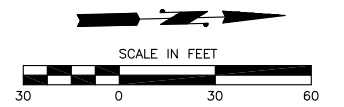
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CHANNELIZING DEVICE SPACING (FEET)		
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**TRAFFIC CONTROL LEGEND**

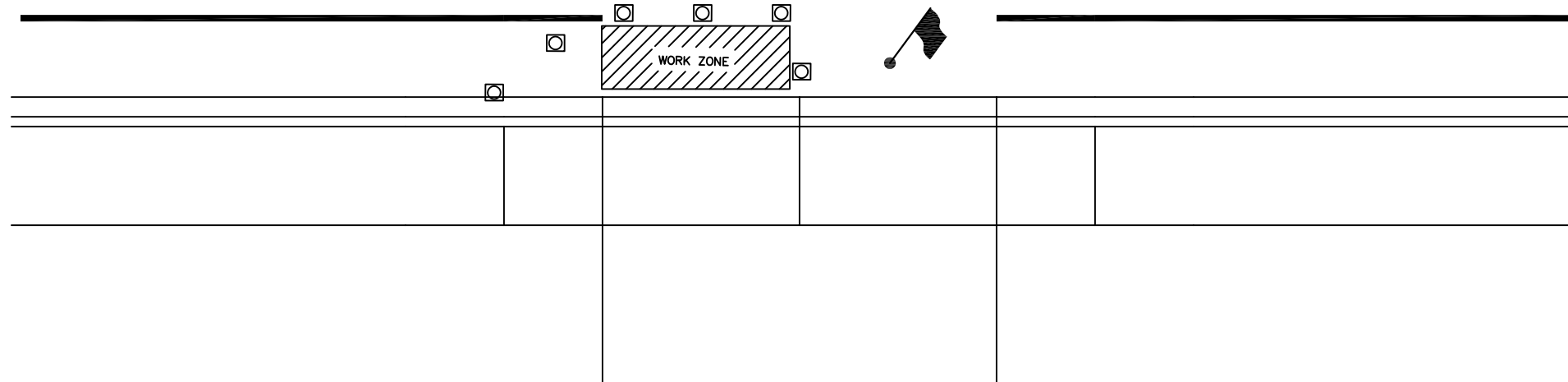
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TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
TCS #010724  
EXPIRES 5/30/21



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**TYPICAL DRIVEWAY CLOSURE**  
NTS

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**TRAFFIC CONTROL LEGEND**

- CHANNELIZATION DEVICE
- FLAGGER

TRAFFIC CONTROL PLAN PREPARED BY:  
CHRIS MASEK, PE  
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EXPIRES 5/30/21

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