

PROJECT ID:
WITH: 1030-15-70

COUNTY:
MILWAUKEE

ORDER OF SHEETS

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

TOTAL SHEETS =

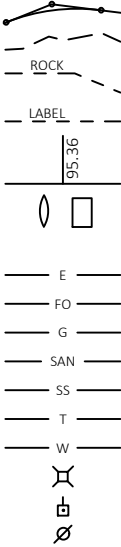


DESIGN DESIGNATION	STH 119 - MITCHELL INT.	MITCHELL INT. - HOWARD AVE
A.A.D.T. 2019	= 183,000	= 140,000
A.A.D.T.	=	=
D.H.V.	= 8.6%	= 8.6%
D.D.	= 55/45	= 55/45
T.	= 17.5%	= 17.5%
DESIGN SPEED	= 60 MPH	= 60 MPH
ESALS	= 252,500	= 119,000

CONVENTIONAL SYMBOLS

PLAN	
CORPORATE LIMITS	
PROPERTY LINE	
LOT LINE	
LIMITED HIGHWAY EASEMENT	
EXISTING RIGHT OF WAY	
PROPOSED OR NEW R/W LINE	
SLOPE INTERCEPT	
REFERENCE LINE	
EXISTING CULVERT	
PROPOSED CULVERT (Box or Pipe)	
COMBUSTIBLE FLUIDS	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

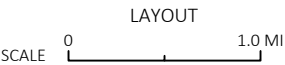
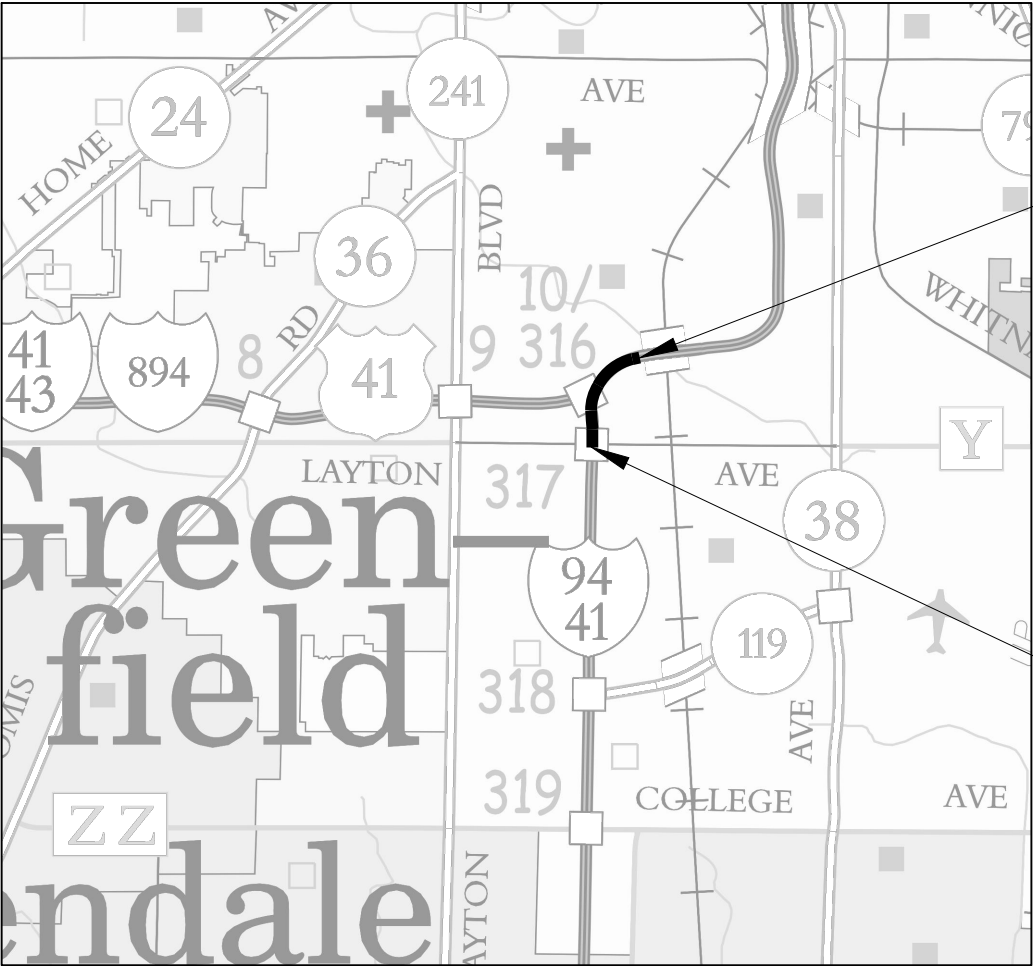


STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

IH 94
N-S & S-N CURVE THRU THE MITCHELL IC
IH 94
MILWAUKEE COUNTY

STATE PROJECT NUMBER
1030-15-70



TOTAL NET LENGTH OF CENTERLINE = 0.607 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, MILWAUKEE COUNTY, NAD83 (97), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF NADV 88 (91)

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1030-15-70		

DRAFT PS&E
AUGUST 1, 2019

END PROJECT 1030-15-70
STA 596+55.37

BEGIN PROJECT 1030-15-70
STA 564+52.33
X=599340.17
Y=270636.41

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	
Designer	WISDOT
Project Manager	AMANDA JOHANSEN
Regional Examiner	
Regional Supervisor	WAFA ELQAAQ
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

E

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
ASPH	ASPHALTIC
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CULVERT PIPE CORRUGATED METAL
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EB	EASTBOUND
FE	FIELD ENTRANCE
FL	FLOW LINE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LP	LOW POINT
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PGL	PROFILE GRADE LINE
PLE	PERMANENT LIMITED EASEMENT
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRFB	RECTANGULAR RAPID FLASH BEACON
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WB	WESTBOUND

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE, OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF A SPILL OF ANY POTENTIAL POLLUTANT SHOULD OCCUR, IT IS THE RESPONSIBILITY OF THE PERMITTEE TO REMOVE SUCH MATERIAL, TO MINIMIZE ANY CONTAMINATION RESULTING FROM THIS SPILL, AND TO IMMEDIATELY NOTIFY THE STATE DUTY OFFICER AT 1-800-943-0003.

STATE AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION

MS. AMANDA JOHANSEN - PROJECT MANAGER
141 NW BARSTOW ST.
WAUKESHA, WI 53187-0798
PHONE: (262) 521-4465
amanda.johansen@dot.wi.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

MS. KRISTINA BETZOLD
2300 N MARTIN LUTHER KING JR DRIVE
MILWAUKEE, WI 53212
PHONE: (414) 263-8517
CELL: (414) 507-4946
kristina.betzold@wisconsin.gov

UTILITY CONTACTS

NO UTILITIES WILL BE IMPACTED AS PART OF THIS PROJECT.

OTHER AGENCIES

MILWAUKEE COUNTY DPW

MR. GREG HEISEL, HWY MAINT. MANAGER
10320 W WATERTOWN PLANK ROAD
MILWAUKEE, WI 53226
PHONE: (414) 257-6566
gheisel@milwcnty.com

SOUTHEASTERN WISCONSIN

REGIONAL PLANNING COMMISSION

MR. ROB MERRY
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 953-4289
CELL: (920) 912-1036
rmerry@sewrpc.org

MILWAUKEE COUNTY TRANSIT SYSTEM

MS. MELANIE FLYNN
1942 N 17TH STREET
MILWAUKEE, WI 53205
PHONE: (414) 343-1764
mflynn@mcts.org

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- PLAN DETAILS/EROSION CONTROL
- PAVEMENT MARKING
- TRAFFIC CONTROL
- DETOUR PLAN
- ALIGNMENT LAYOUT



Dial **811** or (800) 242-8511

www.DiggersHotline.com

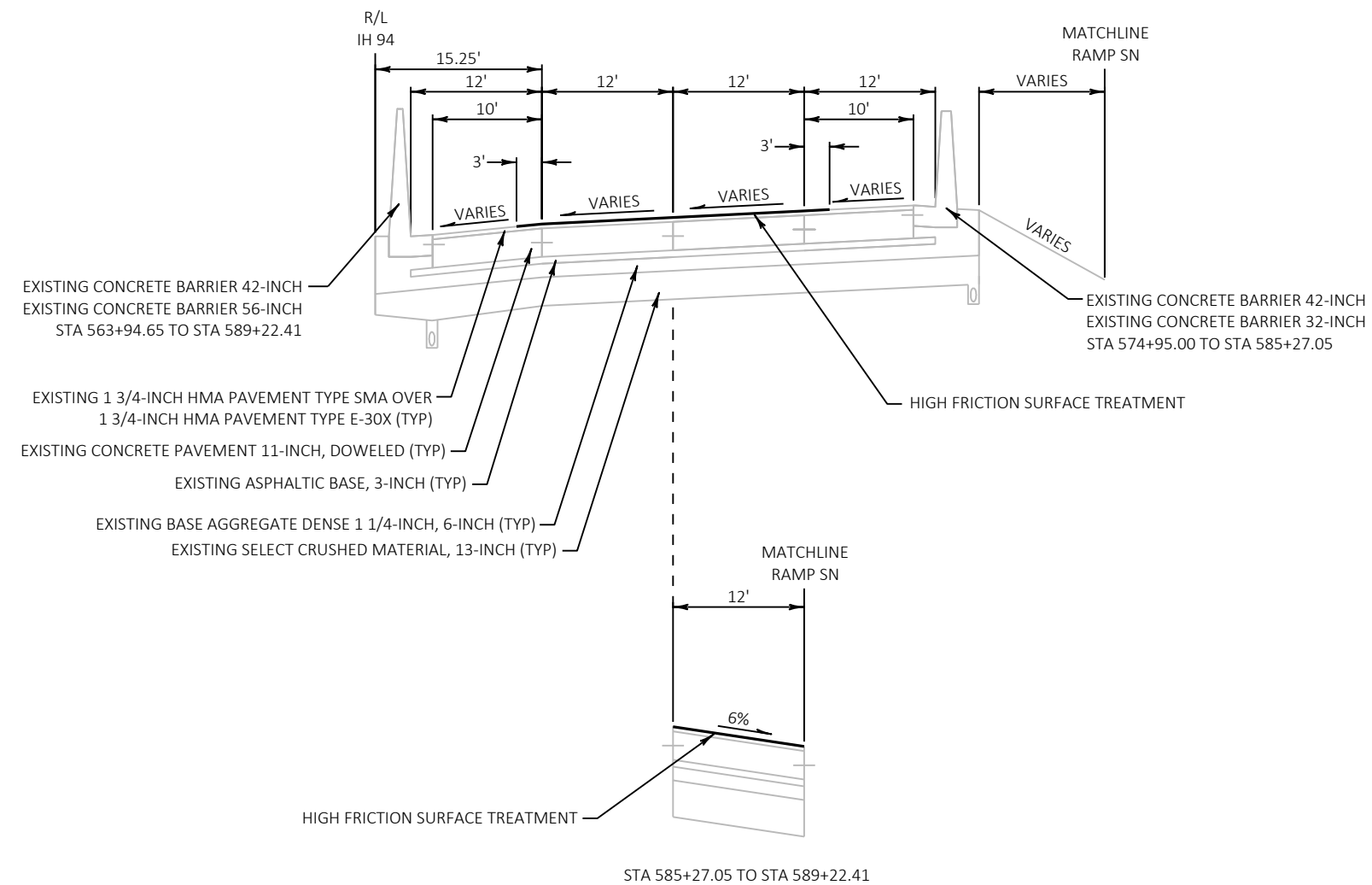


THE SCOPE OF THIS PROJECT IS INSTALLATION OF HIGH FRICTION SURFACE TREATMENT (HFST) ALONG THE NORTH-TO-SOUTH AND SOUTH-TO-NORTH CURVE ON THE MAINLINE OF IH 94 OF THE MITCHELL INTERCHANGE.

BEGIN PROJECT 1030-28-71
STA 564+52.33

END PROJECT 1030-15-70
STA 596+55.37

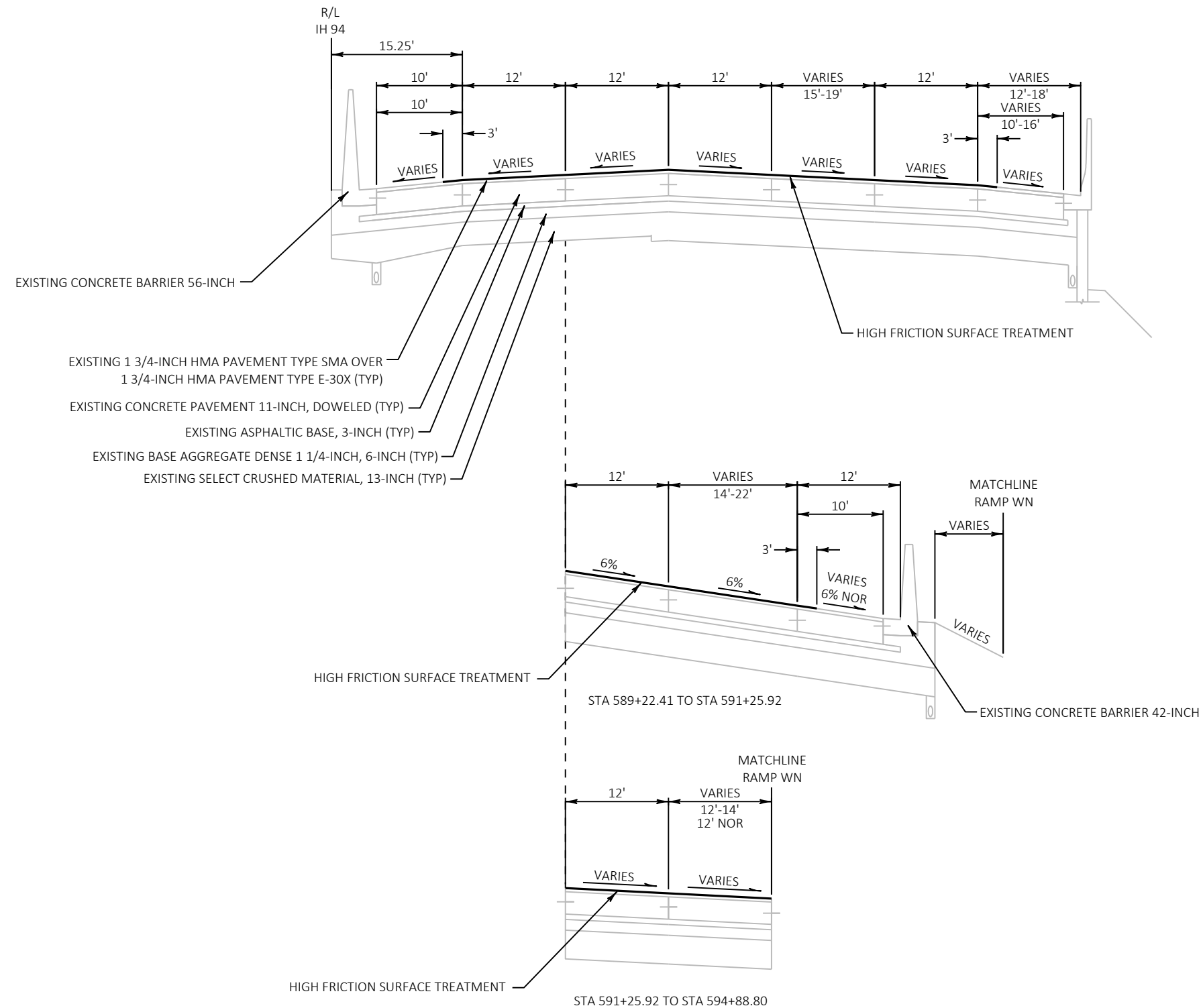
PROJECT NO: 1030-15-70	HWY: IH 94	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET	E
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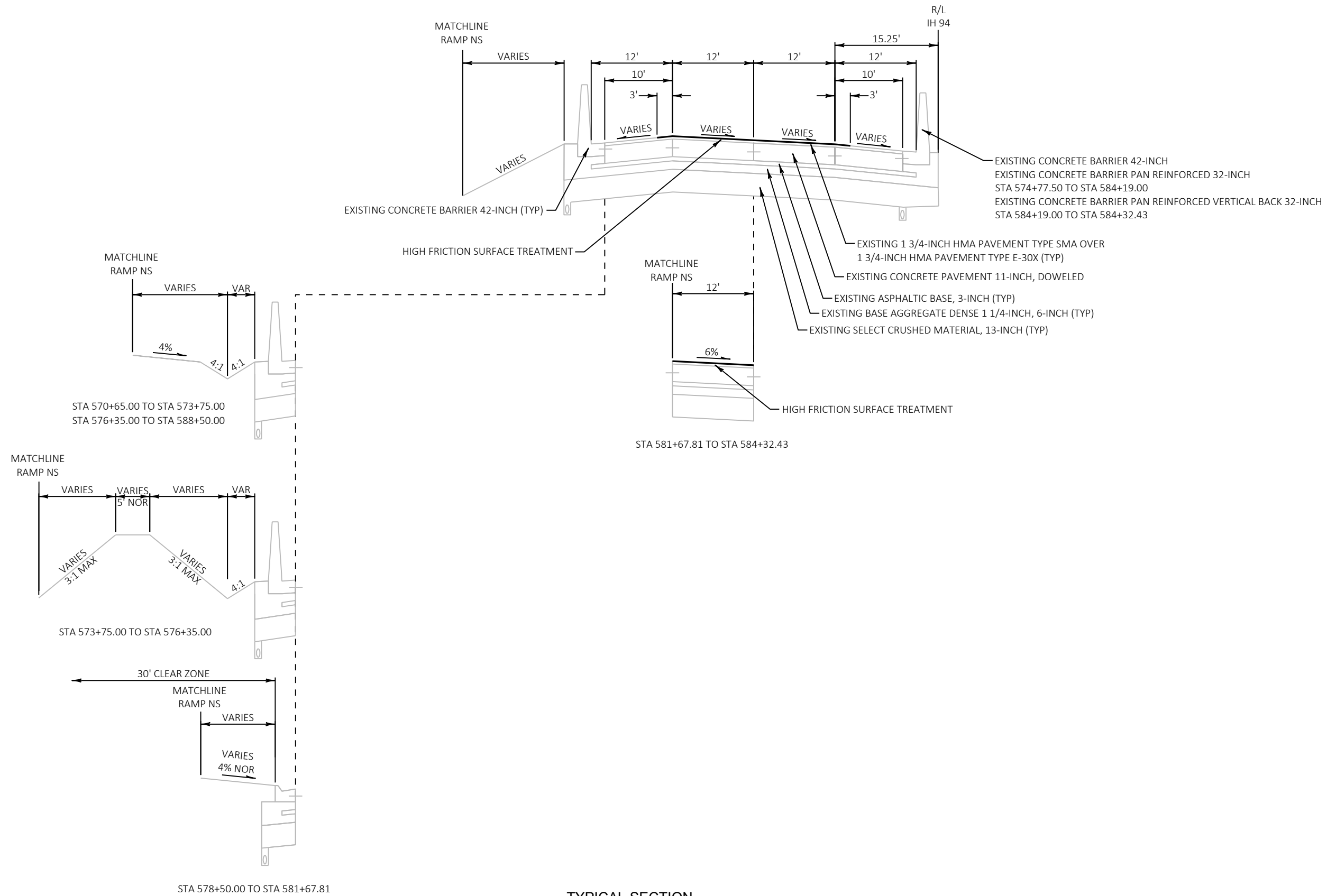
TYPICAL SECTION

IH 94 NB

STA 564+52.33 TO STA 589+22.41

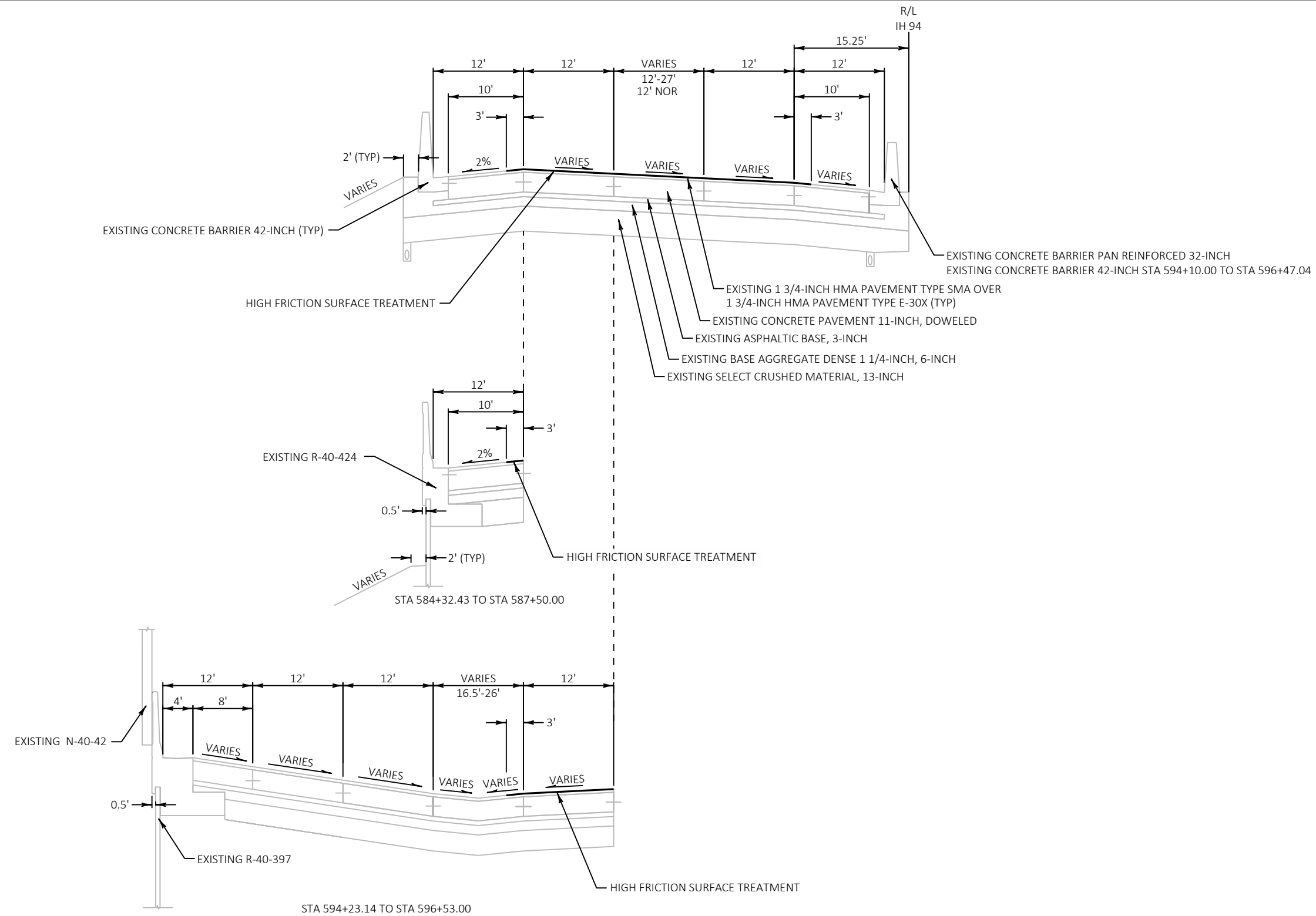
**TYPICAL SECTION****IH 94 NB**

STA 589+22.41 TO STA 596+47.07



2

2 |

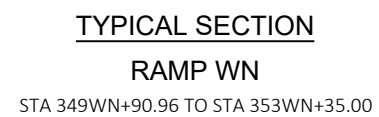


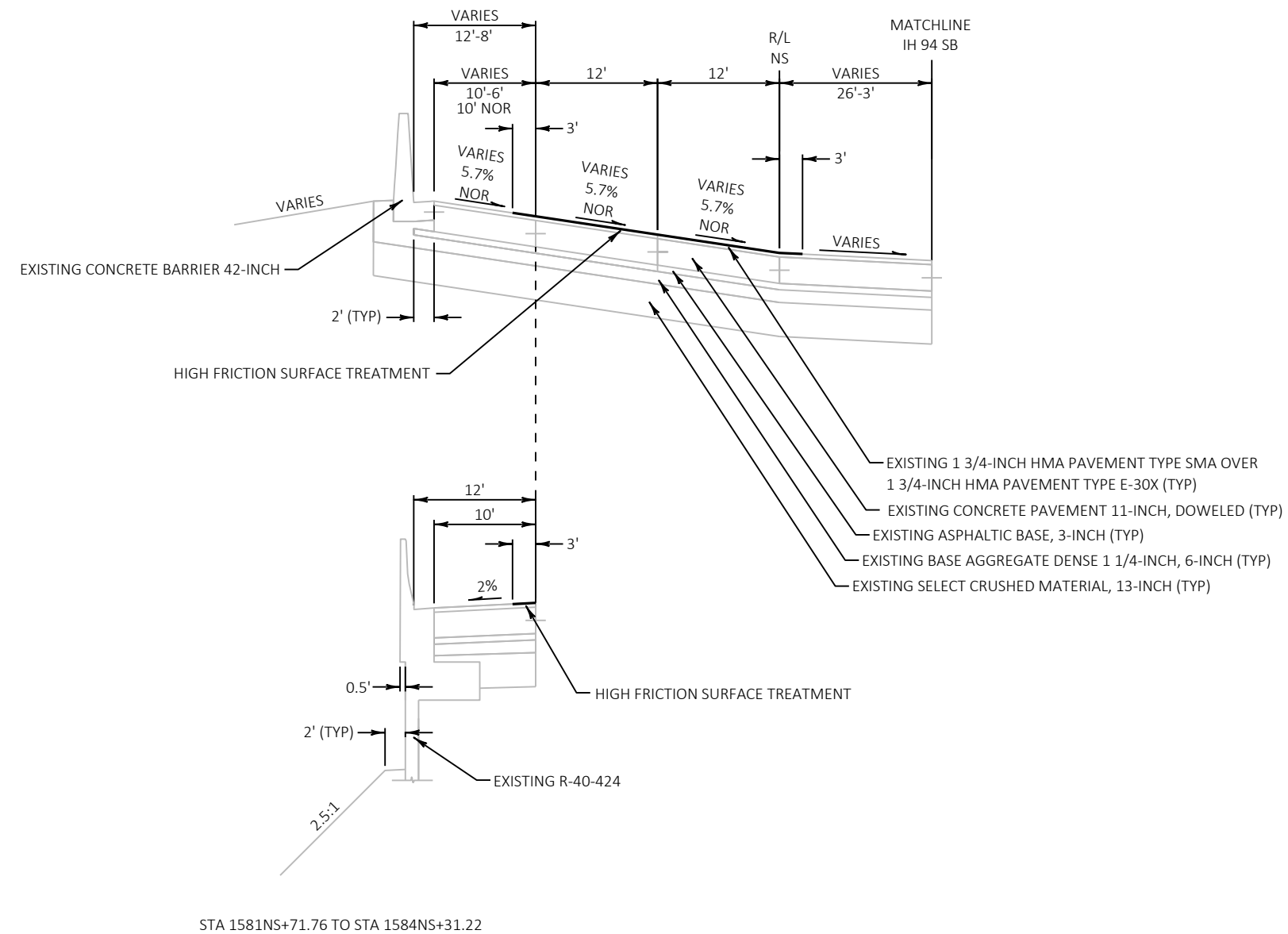
TYPICAL SECTION

IH 94 SB

STA 584+32.43 TO STA 596+53.00



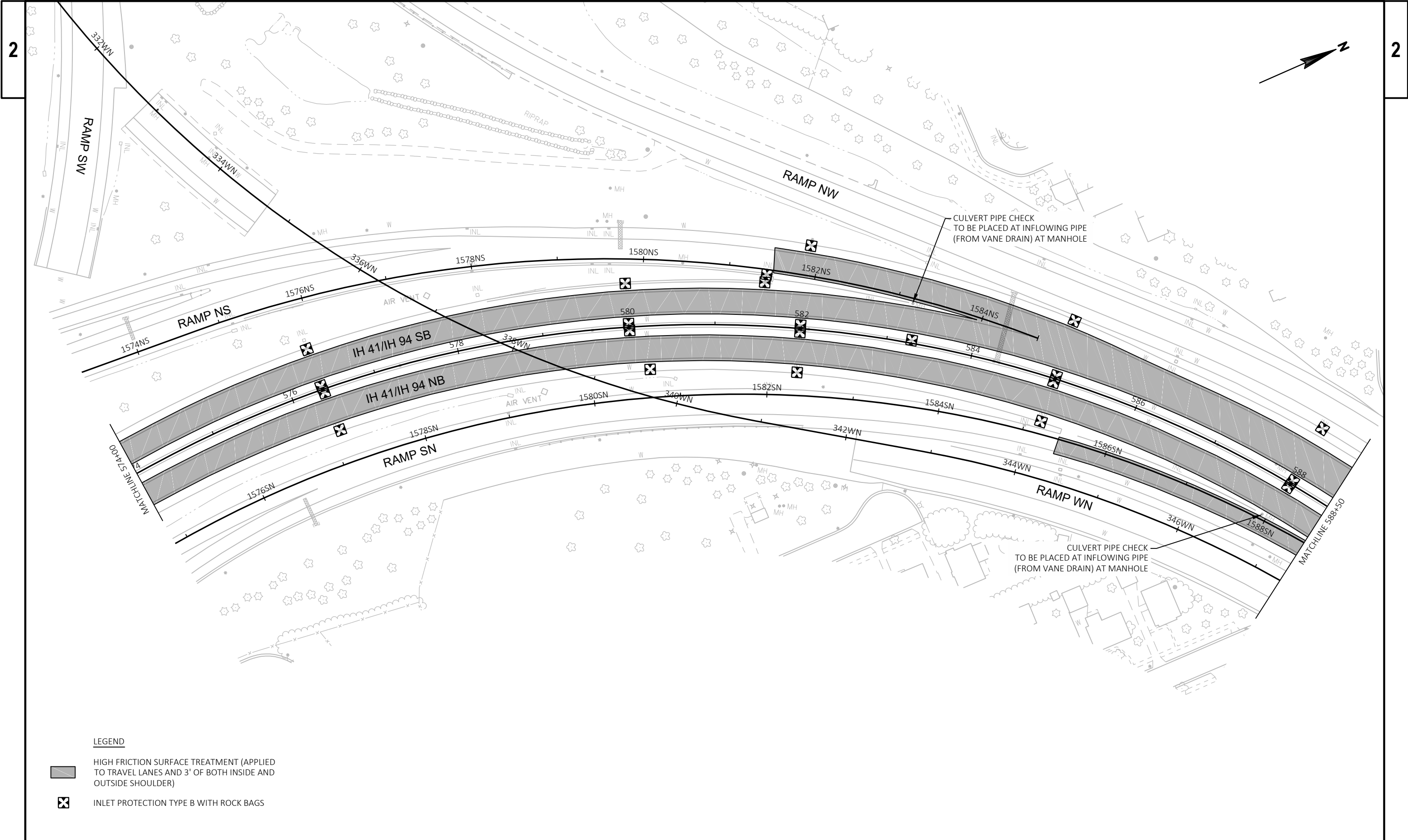






TYPICAL SECTION
RAMP NS

STA 1581NS+55.45 TO STA 1584NS+31.22





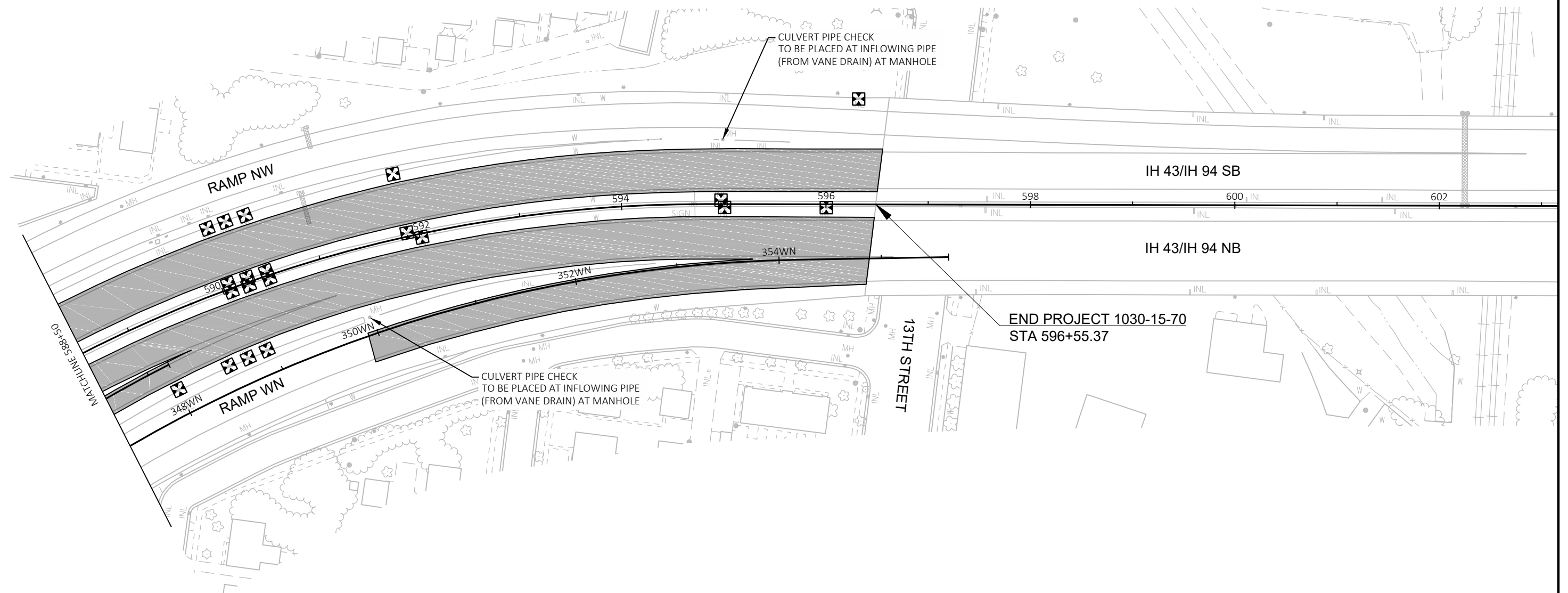


LEGEND

-  HIGH FRICTION SURFACE TREATMENT (APPLIED TO TRAVEL LANES AND 3' OF BOTH INSIDE AND OUTSIDE SHOULDER)
-  INLET PROTECTION TYPE B WITH ROCK BAGS

LEGEND

-  HIGH FRICTION SURFACE TREATMENT (APPLIED TO TRAVEL LANES AND 3' OF BOTH INSIDE AND OUTSIDE SHOULDER)
-  INLET PROTECTION TYPE B WITH ROCK BAGS



PROJECT NO: 1030-15-70

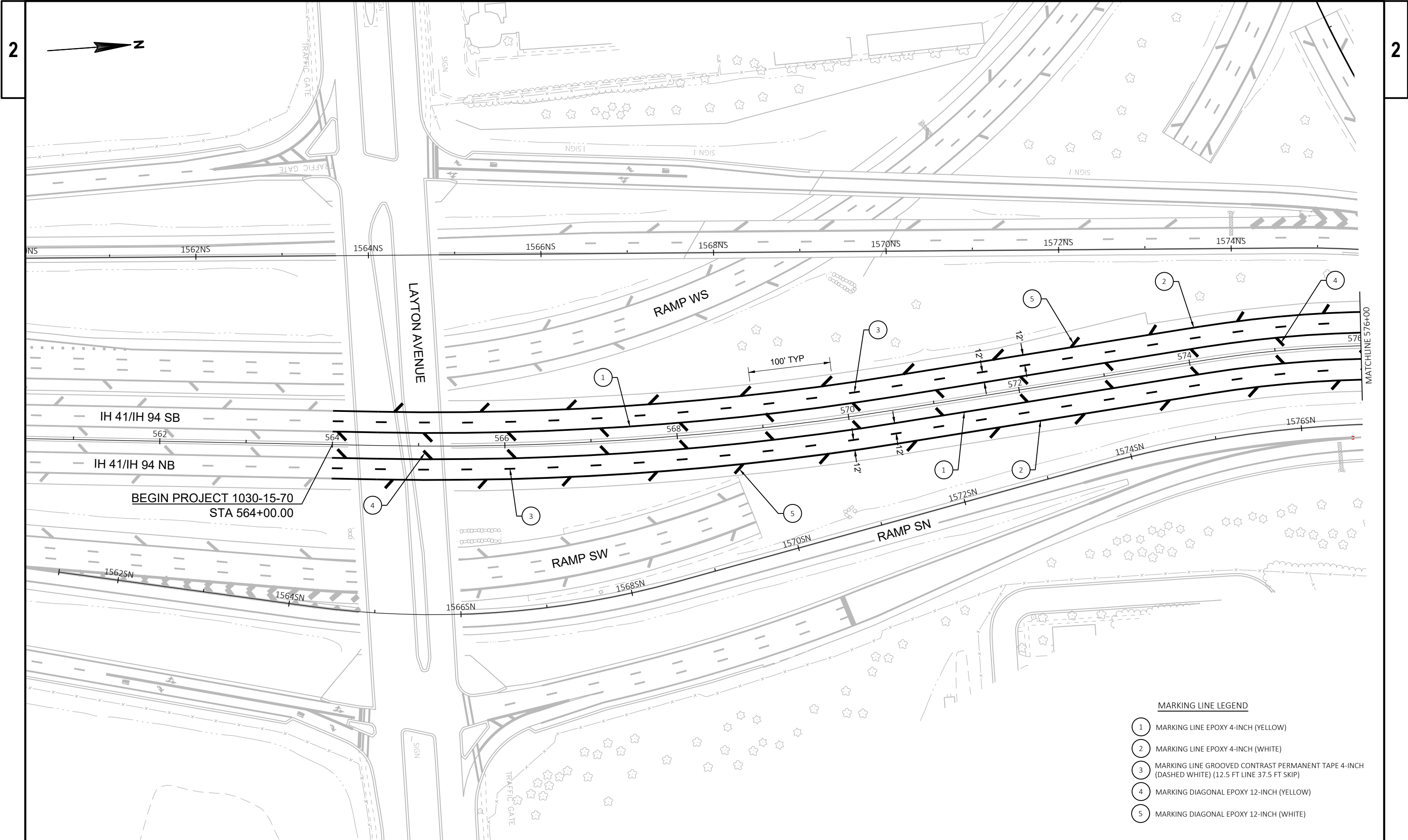
HWY: IH 94

COUNTY: MILWAUKEE

PLAN DETAILS & EROSION CONTROL

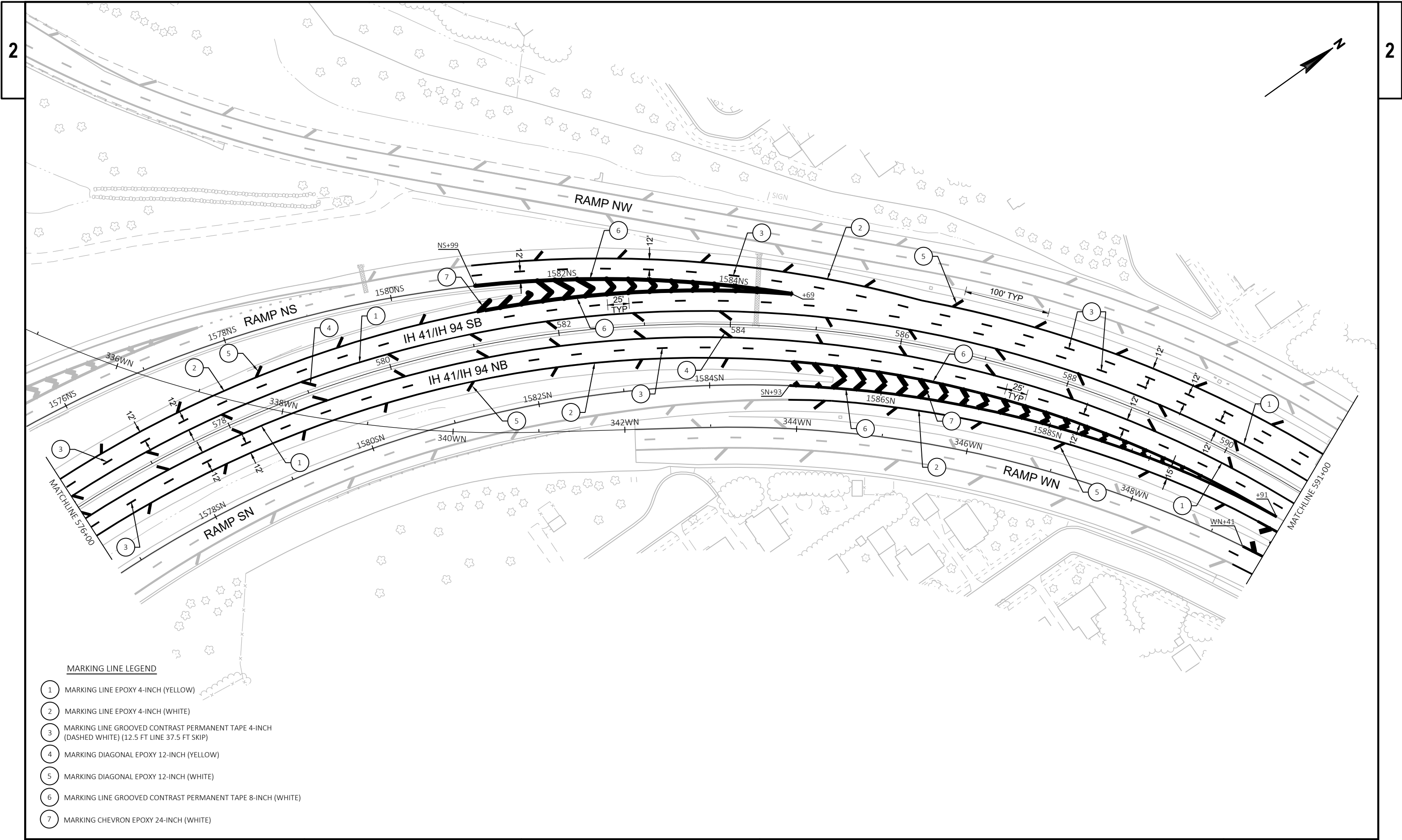
SHEET

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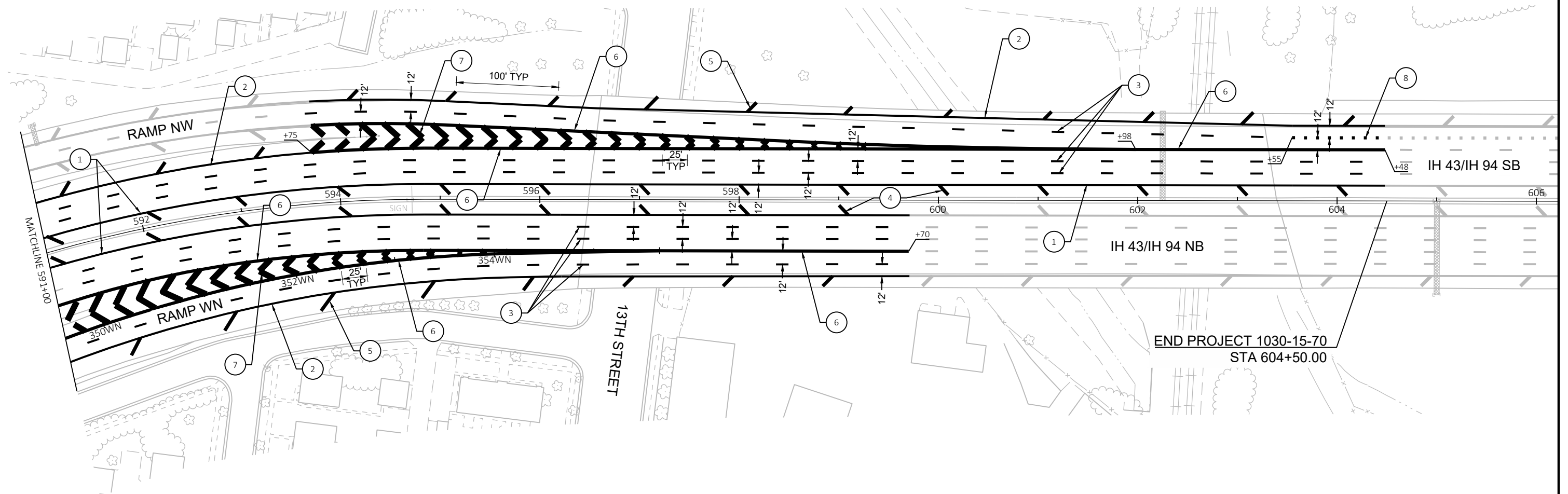


MARKING LINE LEGEND

- 1 MARKING LINE EPOXY 4-INCH (YELLOW)
- 2 MARKING LINE EPOXY 4-INCH (WHITE)
- 3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- 4 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 5 MARKING DIAGONAL EPOXY 12-INCH (WHITE)



- 1 MARKING LINE EPOXY 4-INCH (YELLOW)
- 2 MARKING LINE EPOXY 4-INCH (WHITE)
- 3 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- 4 MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- 5 MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- 6 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
- 7 MARKING CHEVRON EPOXY 24-INCH (WHITE)
- 8 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)





BEGIN PROJECT 1030-28-71
STA 564+52.33

END PROJECT 1030-15-70
STA 596+55.37

LEGEND

- STAGE 1
- STAGE 2
- STAGE 3

PROJECT NO: 1030-15-70

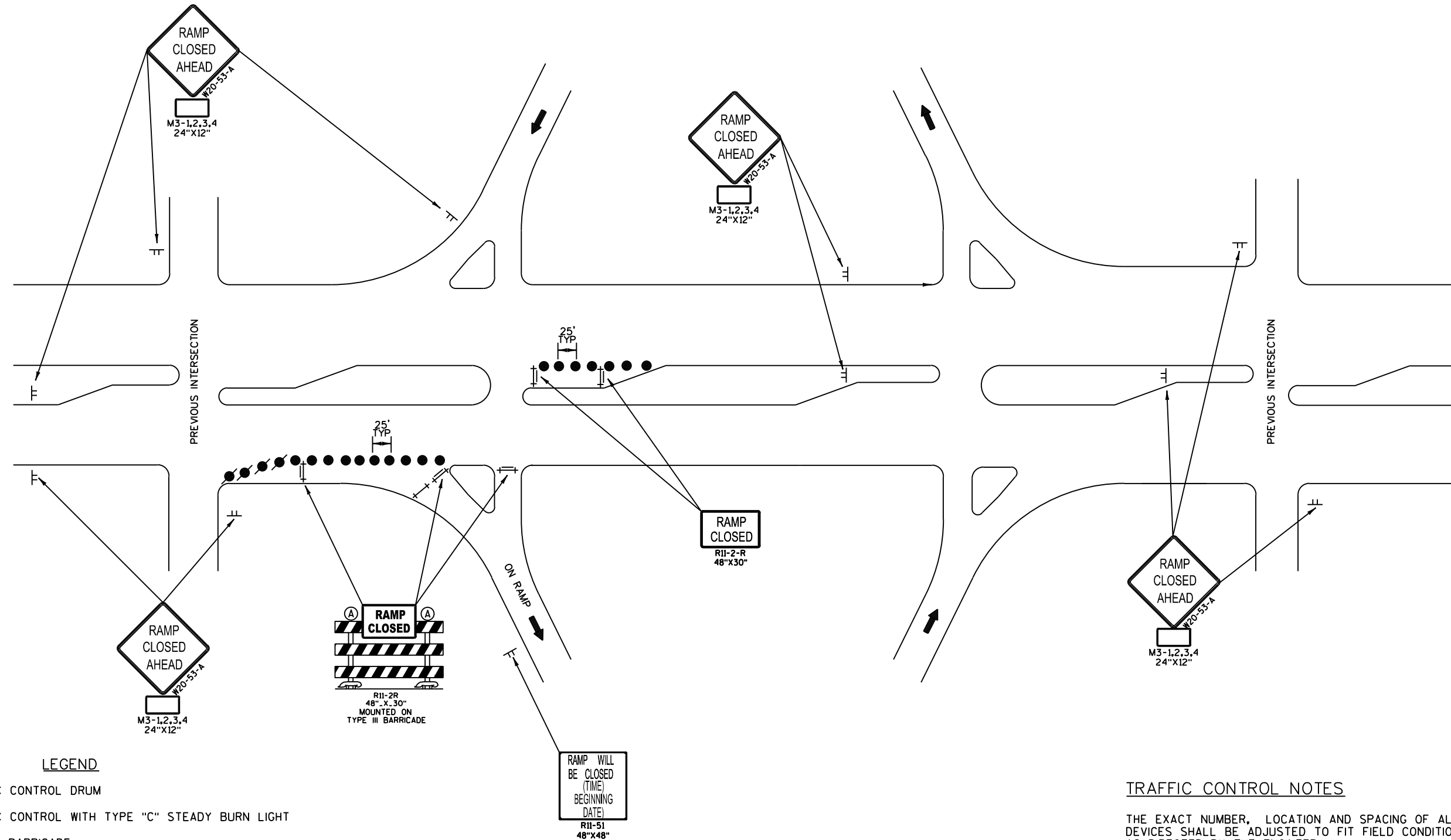
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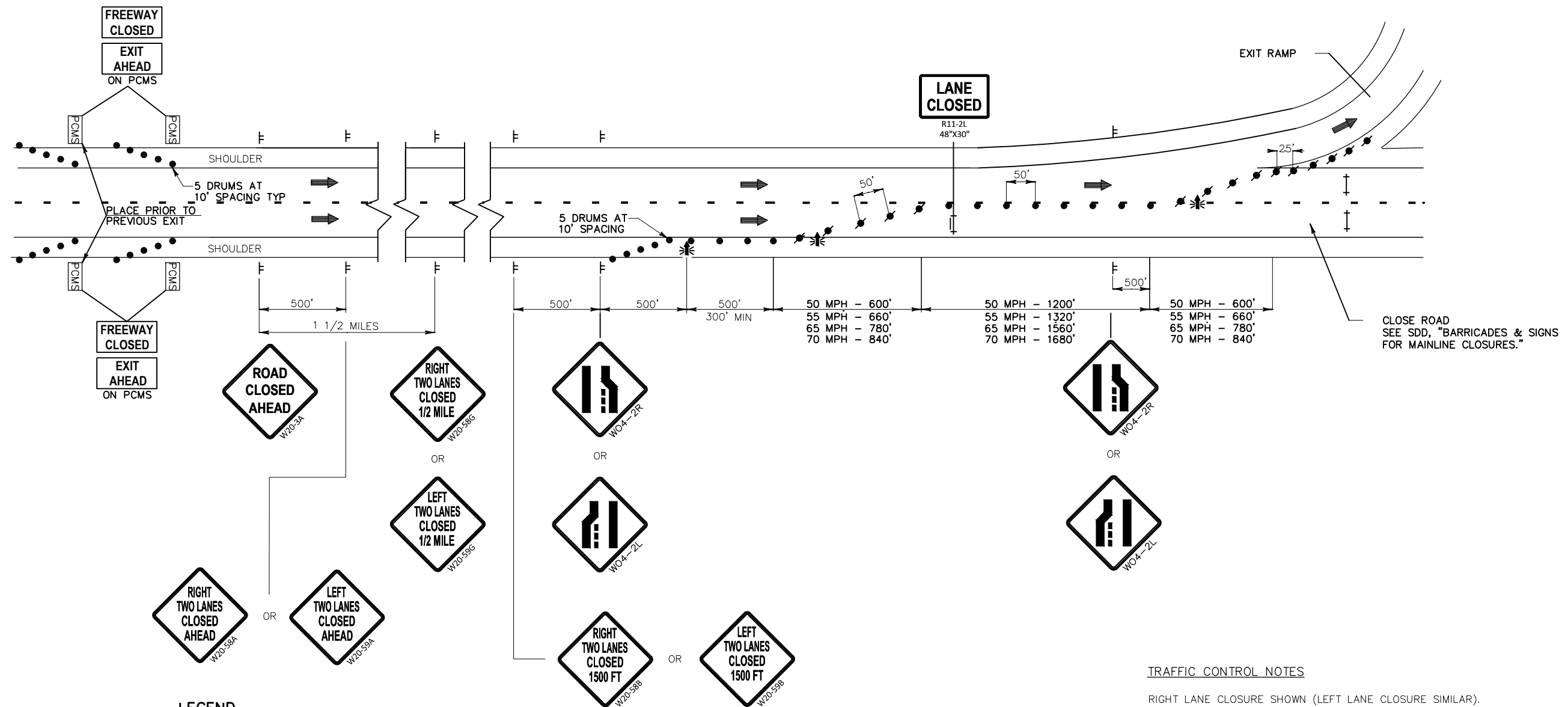
COUNTY: MILWAUKEE

TRAFFIC CONTROL - OVERVIEW

SHEET

E



**LEGEND**

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- † TYPE III BARRICADE WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- †† TYPE III BARRICADE WITH SIGN WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- SIGN ON PERMANENT SUPPORT
- † SIGN ON TEMPORARY SUPPORT
- ⚡ FLASHING ARROW BOARD
- ➡ DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE BOARD
- ▨ WORK AREA

TWO LANE FULL FREEWAY CLOSURE**TRAFFIC CONTROL NOTES**

RIGHT LANE CLOSURE SHOWN (LEFT LANE CLOSURE SIMILAR).

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

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

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

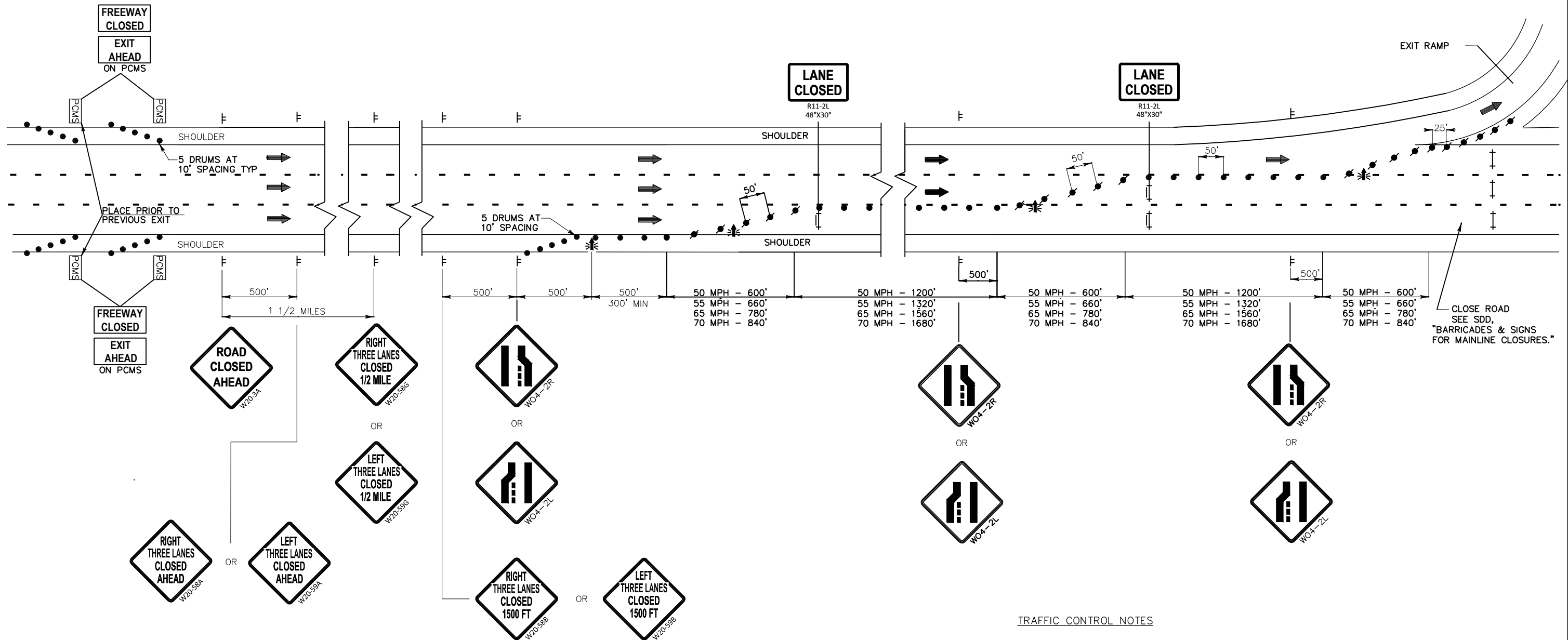
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500' IN FRONT OF DRUMS, WITH LANE CLOSED SIGN.

REFER TO DETOUR ROUTES FOR TRAFFIC CLOSING SIGNS.

**LEGEND**

- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL WITH TYPE "C" STEADY BURN LIGHT
- † TYPE III BARRICADE WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- †† TYPE III BARRICADE WITH SIGN WITH TWO (2) TYPE "A" WARNING LIGHTS (FLASHING)
- SIGN ON PERMANENT SUPPORT
- ┌ SIGN ON TEMPORARY SUPPORT
- ➡ FLASHING ARROW BOARD
- ➡ DIRECTION OF TRAFFIC
- PCMS TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE BOARD
- ▨ WORK AREA

THREE LANE FULL FREEWAY CLOSURE**TRAFFIC CONTROL NOTES**

RIGHT LANE CLOSURE SHOWN (LEFT LANE CLOSURE SIMILAR).

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

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

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

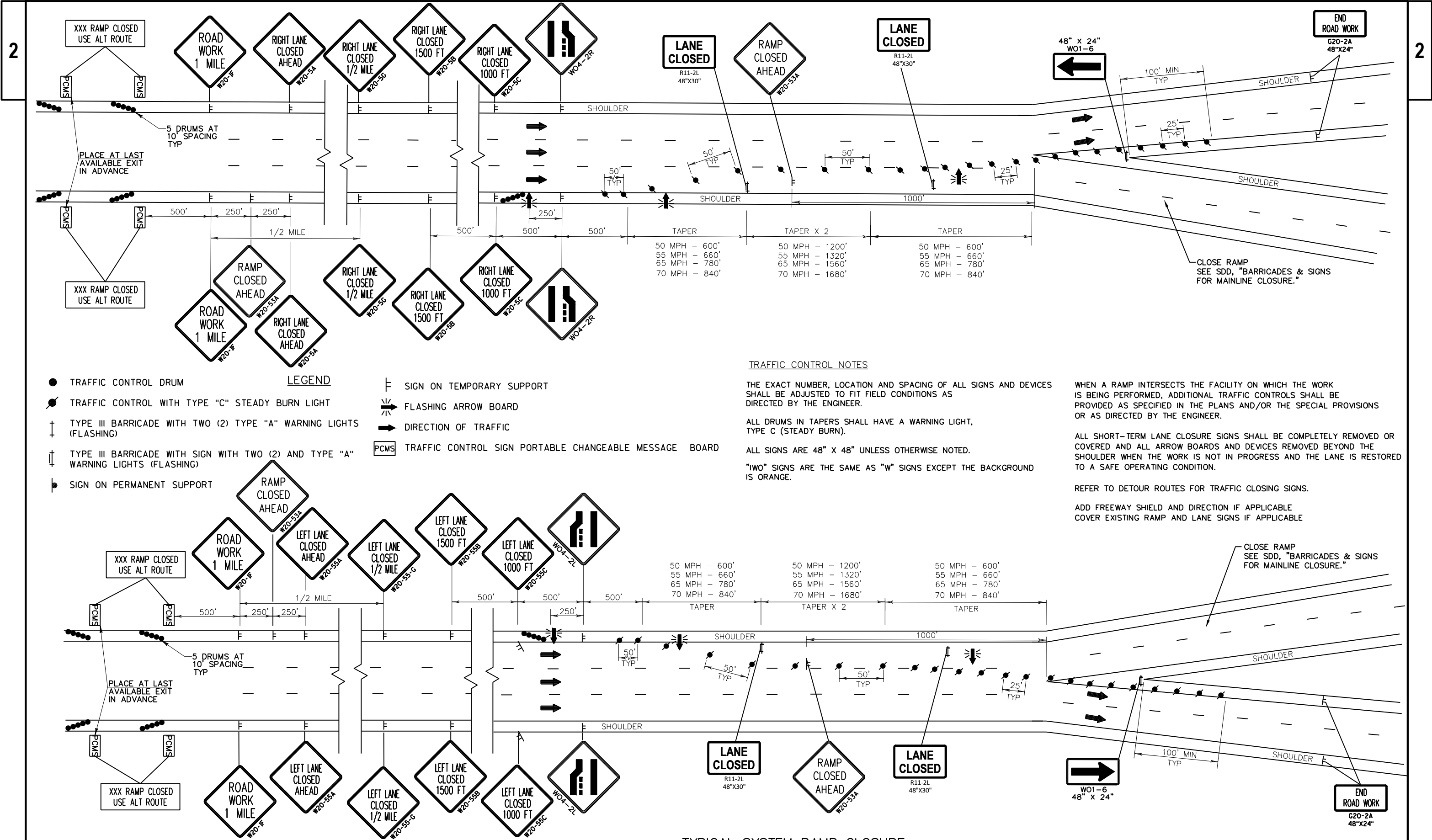
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

IF LANE CLOSURE IS MORE THAN 1 MILE, PLACE A TYPE III BARRICADE APPROXIMATELY EVERY 1000' ACROSS EACH CLOSED LANE TO HELP ENFORCE THE DRUM LINE.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500' IN FRONT OF DRUMS, WITH LANE CLOSED SIGN.

REFER TO DETOUR ROUTES FOR TRAFFIC CLOSING SIGNS.



TRAFFIC CONTROL NOTES

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

ALL DRUMS IN TAPERS SHALL HAVE A WARNING LIGHT, TYPE C (STEADY BURN).

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

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

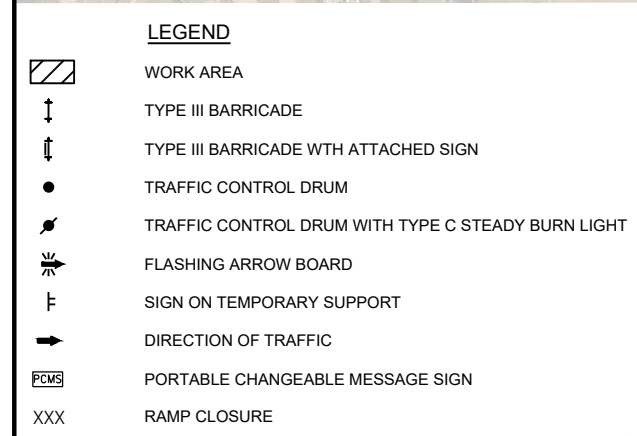
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

ALL SHORT-TERM LANE CLOSURE SIGNS SHALL BE COMPLETELY REMOVED OR COVERED AND ALL ARROW BOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

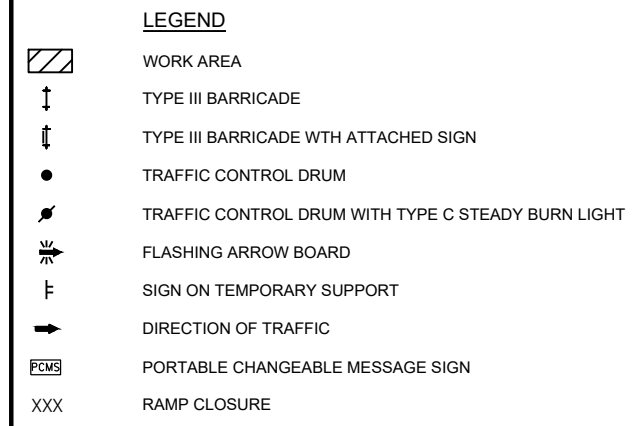
REFER TO DETOUR ROUTES FOR TRAFFIC CLOSING SIGNS.

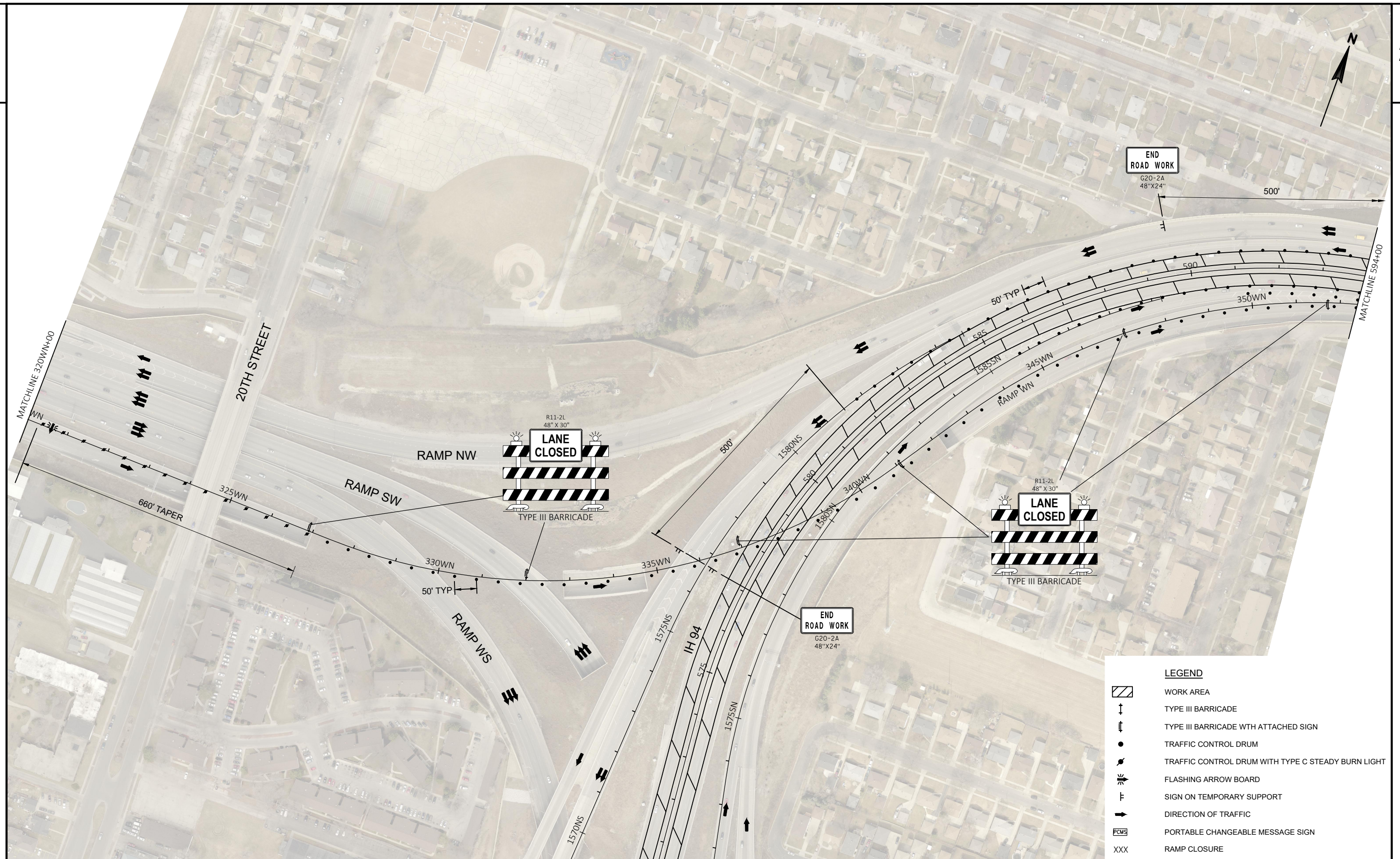
ADD FREEWAY SHIELD AND DIRECTION IF APPLICABLE
COVER EXISTING RAMP AND LANE SIGNS IF APPLICABLE

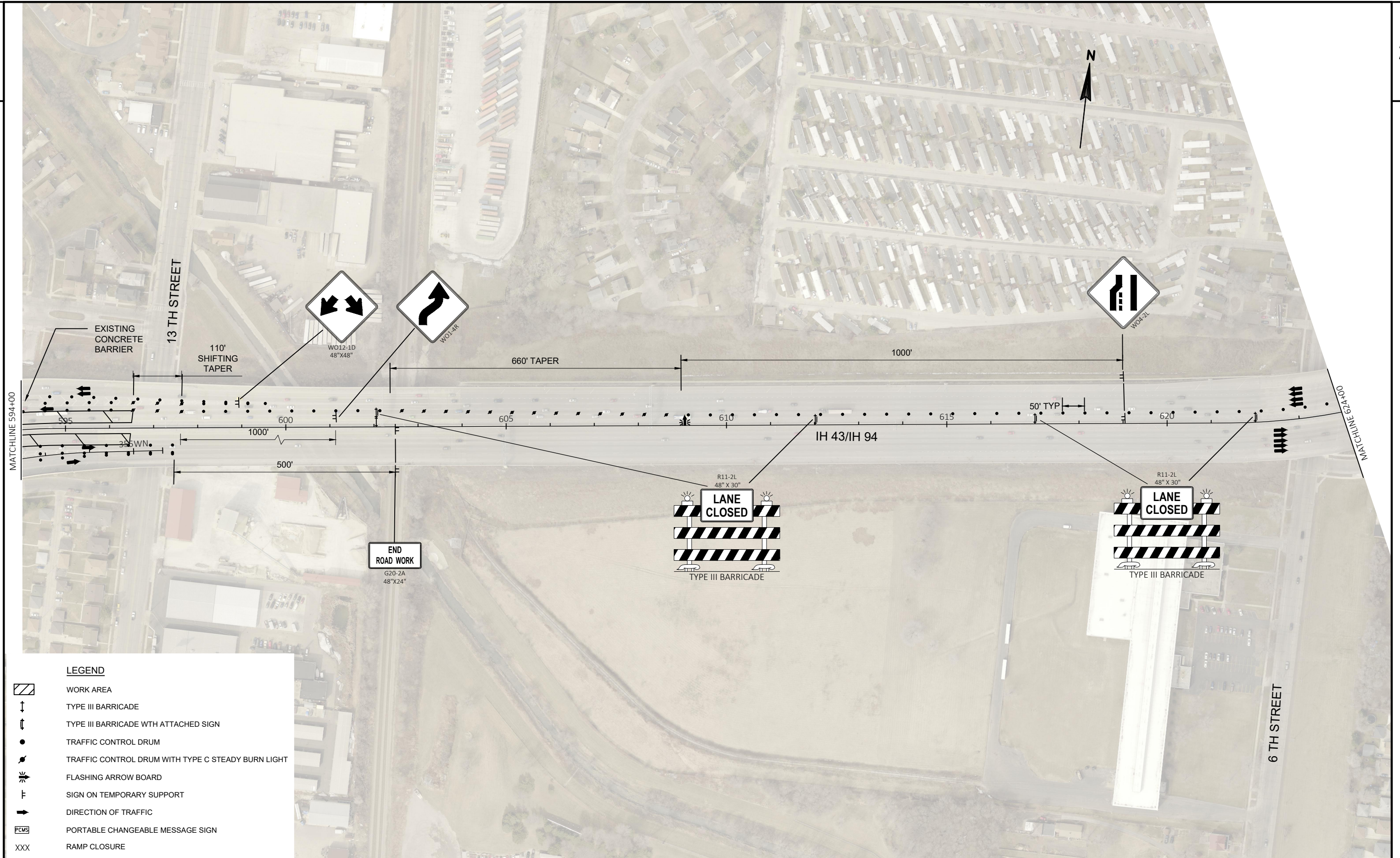
TYPICAL SYSTEM RAMP CLOSURE











PROJECT NO: 1030-15-70

HWY: IH 94

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 1

SHEET

E

FILE NAME : N:\PDS\VC3D\10301500\SHEETPLAN\025001_TC - STAGE 1.DWG
LAYOUT NAME - 025005










PLOT DATE : 7/10/2019 9:17 AM

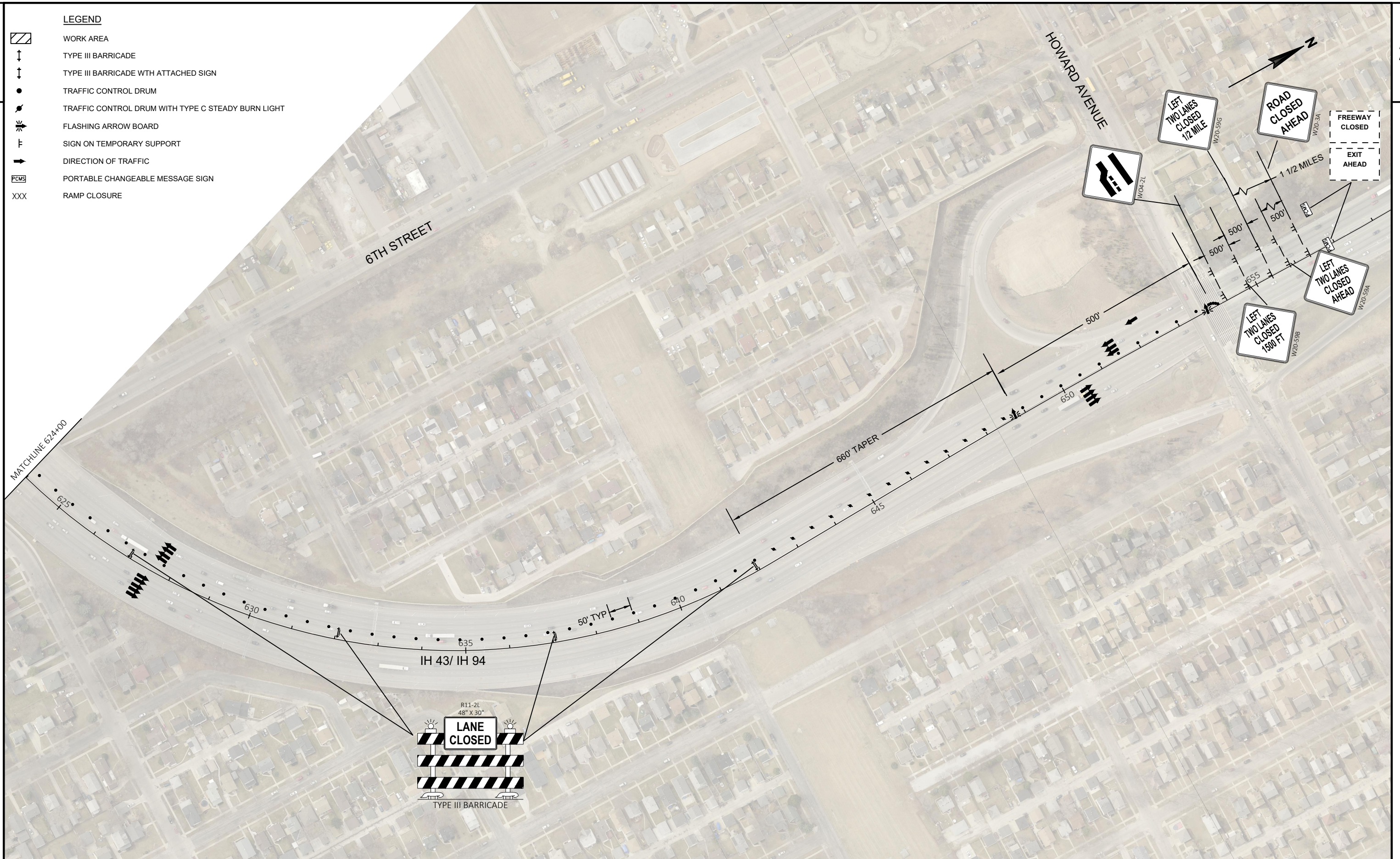
PLOT BY : MERLINE, HILARY ANN

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDs SHEET 42

LEGEND	
	WORK AREA
	TYPE III BARRICADE
	TYPE III BARRICADE WITH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE SIGN
XXX	RAMP CLOSURE



PROJECT NO: 1030-15-70

HWY: IH 94

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 1

SHEET

E

FILE NAME : N:\PDS\C3D\10301500\025001_TC - STAGE 1.DWG
LAYOUT NAME - 025006

PLOT DATE : 7/10/2019 9:19 AM

PLOT BY : MERLINE, HILARY ANN

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDs SHEET 42

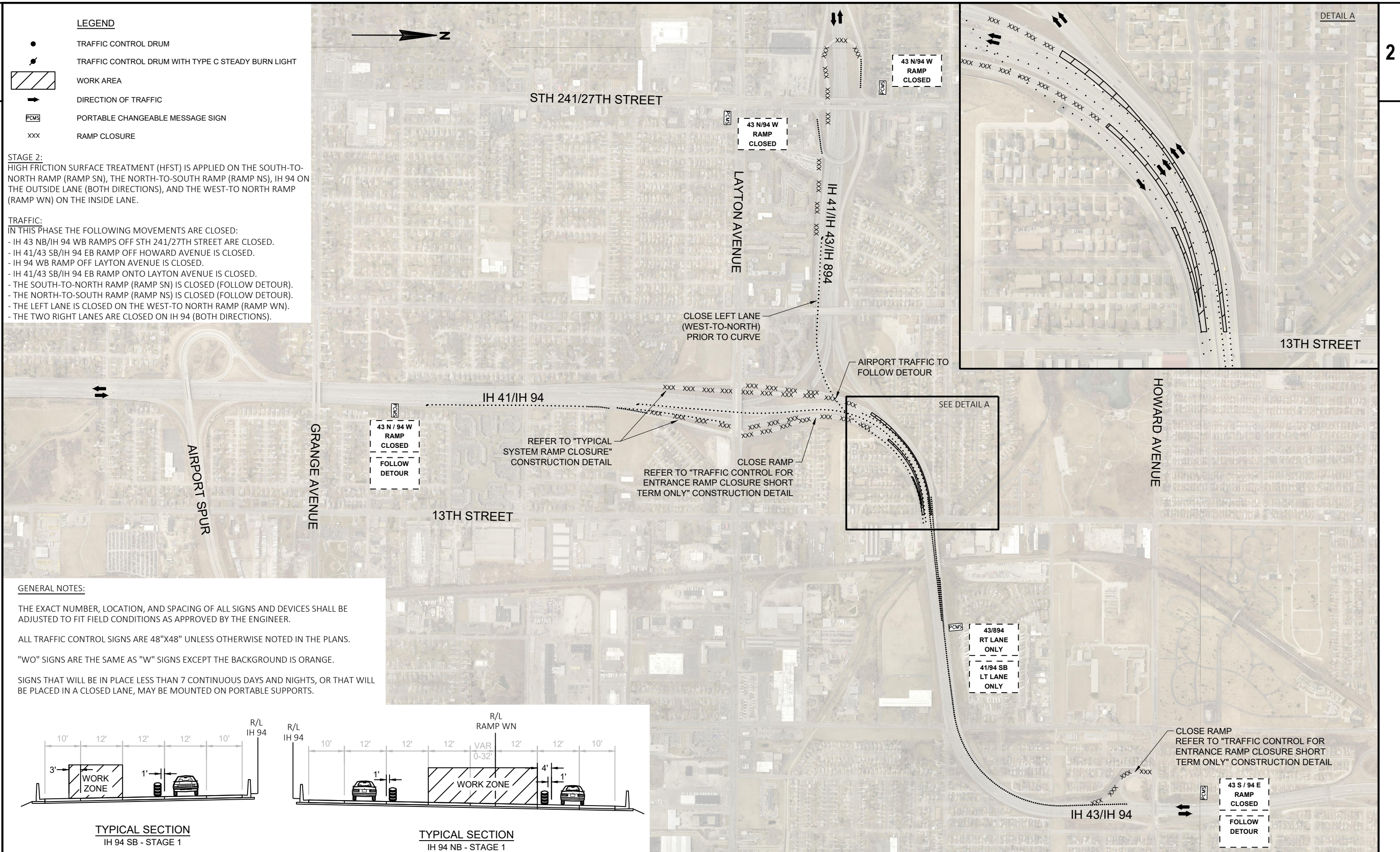
LEGEND

- TRAFFIC CONTROL DRUM
- ⬮ TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- ▨ WORK AREA
- ➔ DIRECTION OF TRAFFIC
- PCMS PORTABLE CHANGEABLE MESSAGE SIGN
- xxx RAMP CLOSURE

STAGE 2:
HIGH FRICTION SURFACE TREATMENT (HFST) IS APPLIED ON THE SOUTH-TO-NORTH RAMP (RAMP SN), THE NORTH-TO-SOUTH RAMP (RAMP NS), IH 94 ON THE OUTSIDE LANE (BOTH DIRECTIONS), AND THE WEST-TO NORTH RAMP (RAMP WN) ON THE INSIDE LANE.

TRAFFIC:
IN THIS PHASE THE FOLLOWING MOVEMENTS ARE CLOSED:

- IH 43 NB/IH 94 WB RAMPS OFF STH 241/27TH STREET ARE CLOSED.
- IH 41/43 SB/IH 94 EB RAMP OFF HOWARD AVENUE IS CLOSED.
- IH 94 WB RAMP OFF LAYTON AVENUE IS CLOSED.
- IH 41/43 SB/IH 94 EB RAMP ONTO LAYTON AVENUE IS CLOSED.
- THE SOUTH-TO-NORTH RAMP (RAMP SN) IS CLOSED (FOLLOW DETOUR).
- THE NORTH-TO-SOUTH RAMP (RAMP NS) IS CLOSED (FOLLOW DETOUR).
- THE LEFT LANE IS CLOSED ON THE WEST-TO NORTH RAMP (RAMP WN).
- THE TWO RIGHT LANES ARE CLOSED ON IH 94 (BOTH DIRECTIONS).

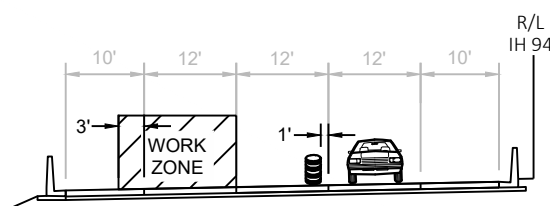
**GENERAL NOTES:**

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

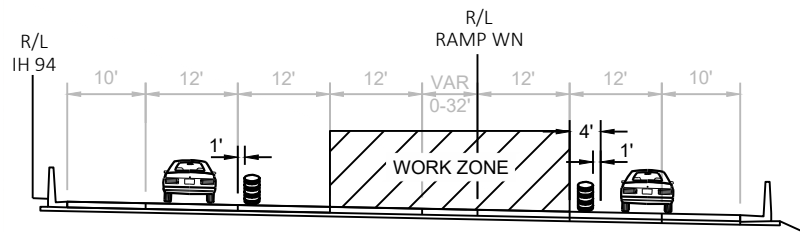
ALL TRAFFIC CONTROL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED IN THE PLANS.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.



TYPICAL SECTION
IH 94 SB - STAGE 1



TYPICAL SECTION
IH 94 NB - STAGE 1

PROJECT NO: 1030-15-70










HWY: IH 94

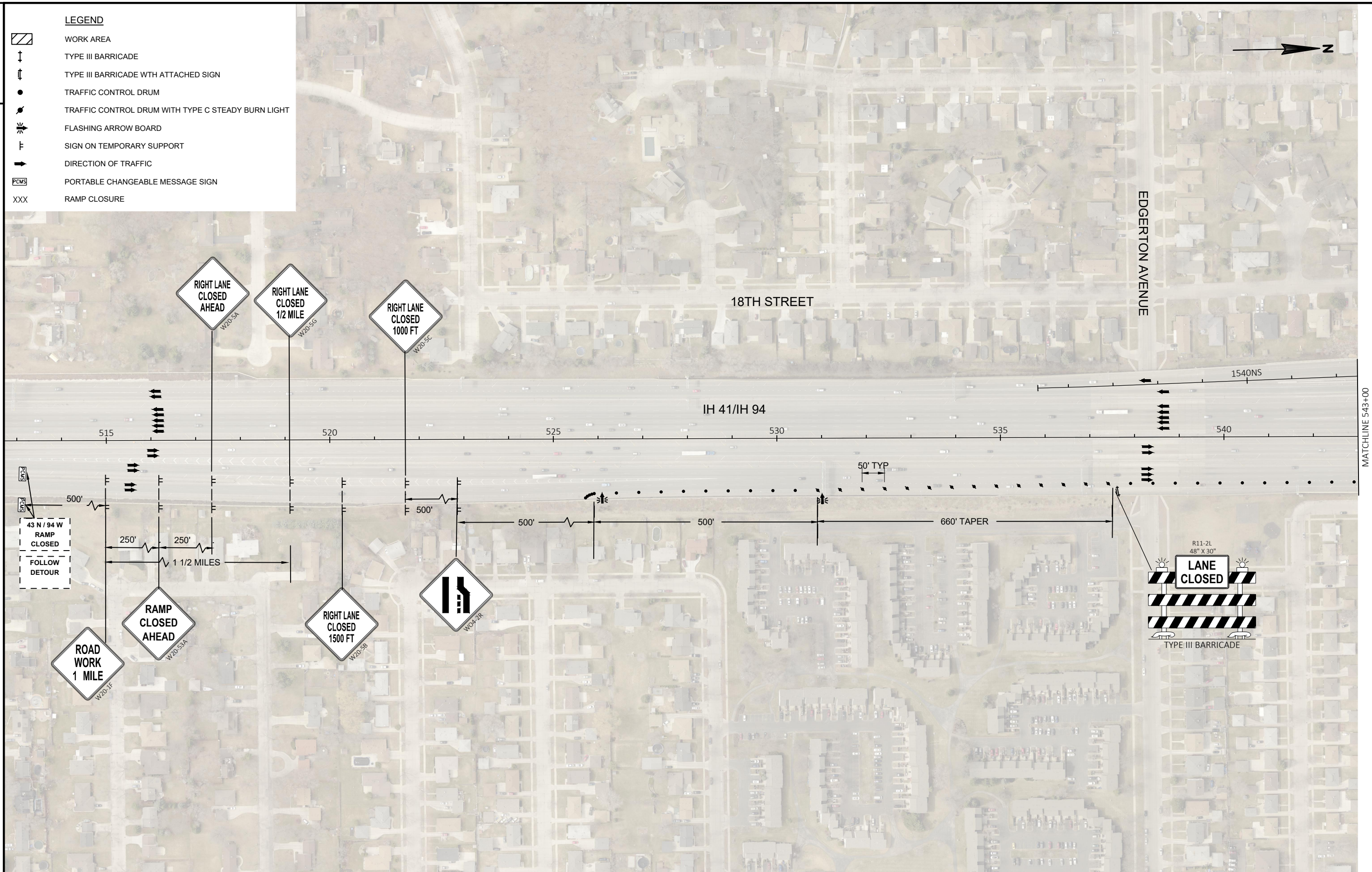
COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 2 OVERVIEW

SHEET

E

LEGEND	
	WORK AREA
	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE SIGN
XXX	RAMP CLOSURE



PROJECT NO: 1030-15-70










HWY: IH 94

COUNTY: MILWAUKEE

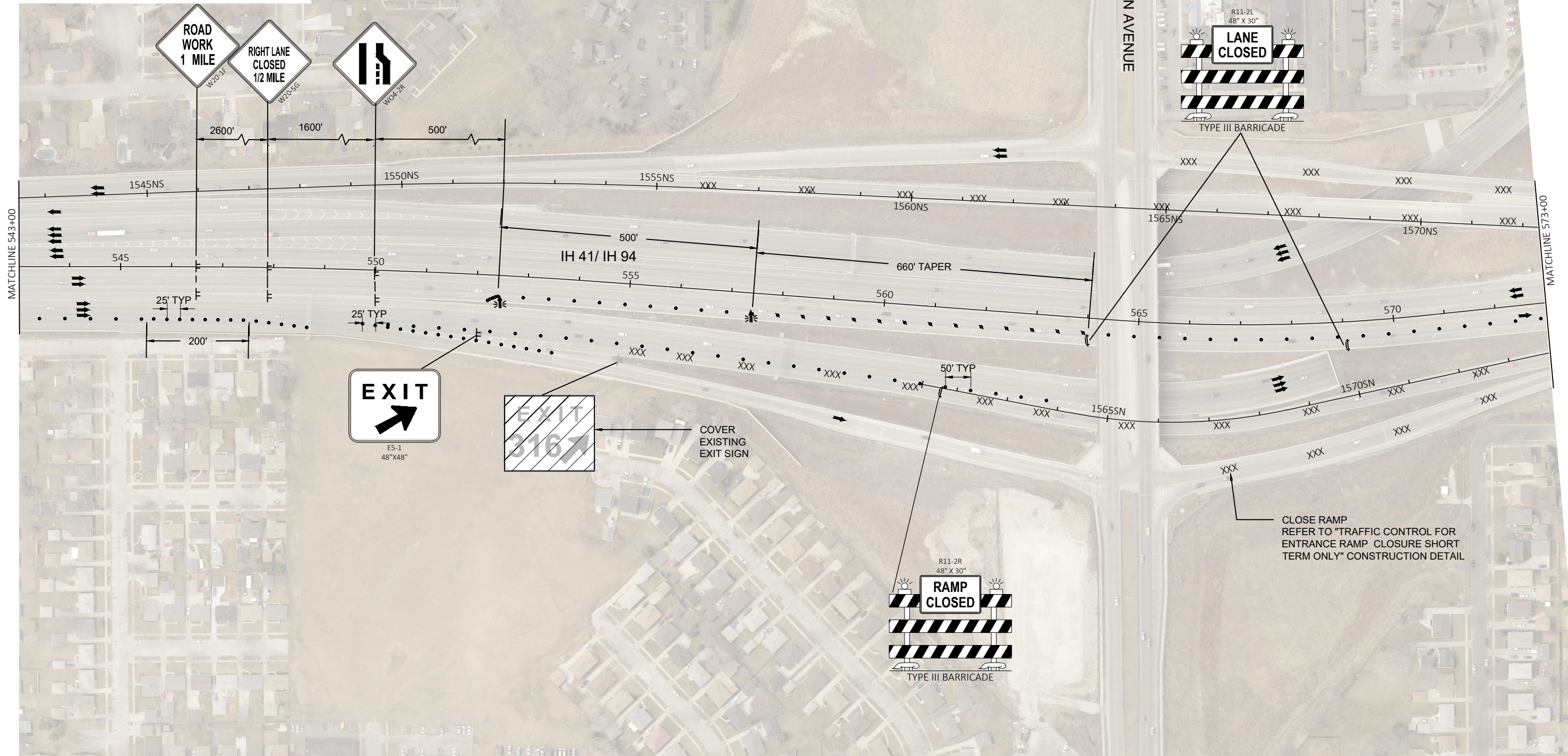
TRAFFIC CONTROL - STAGE 2

SHEET

E

LEGEND	
	WORK AREA
	TYPE III BARRICADE
	TYPE III BARRICADE WITH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE SIGN
XXX	RAMP CLOSURE

MATCHLINE 543+00



PROJECT NO: 1030-15-70

HWY: IH 94

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 2

SHEET

E

FILE NAME : N:\PDS\C3D\10301500\SHEETSPLAN\025003_TC - STAGE 2.DWG
LAYOUT NAME - 025002

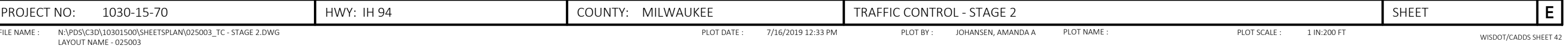
PLOT DATE : 7/16/2019 9:14 AM

PLOT BY : JOHANSEN, AMANDA A

PLOT NAME :











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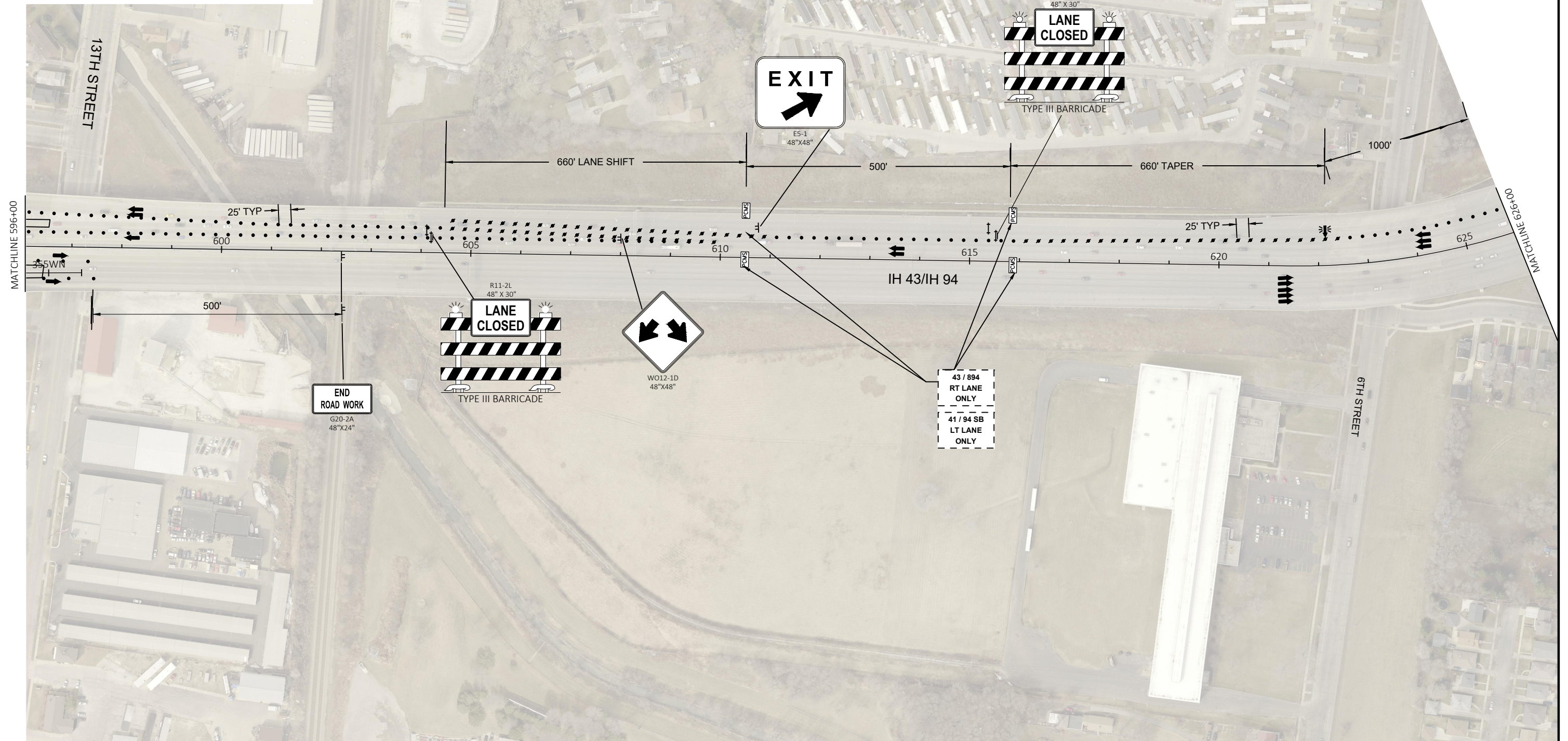
WISDOT/CADDs SHEET 42





LEGEND

	WORK AREA
	TYPE III BARRICADE
	TYPE III BARRICADE WITH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE SIGN
	RAMP CLOSURE



PROJECT NO: 1030-15-70

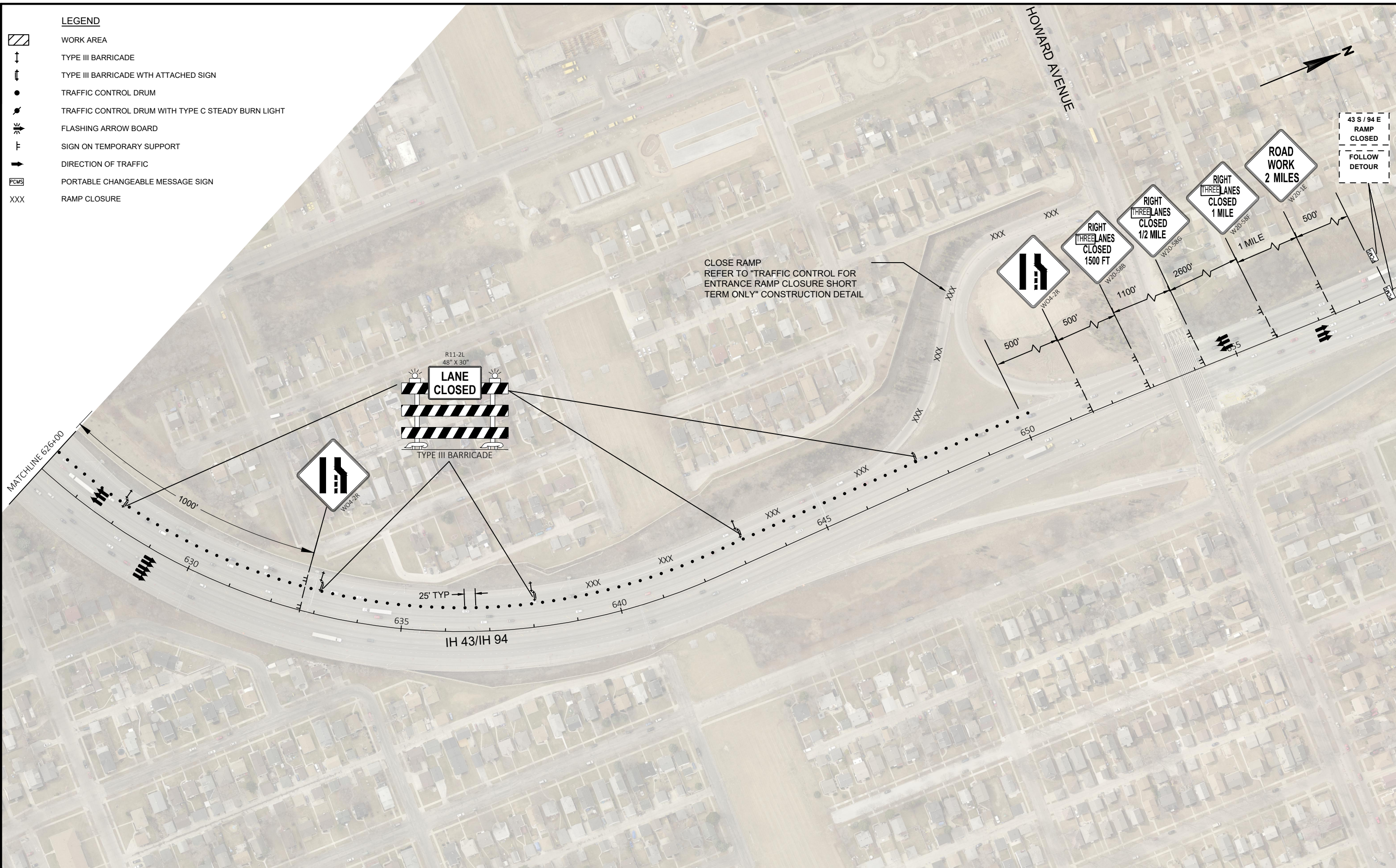
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



COUNTY: MILWAUKEE

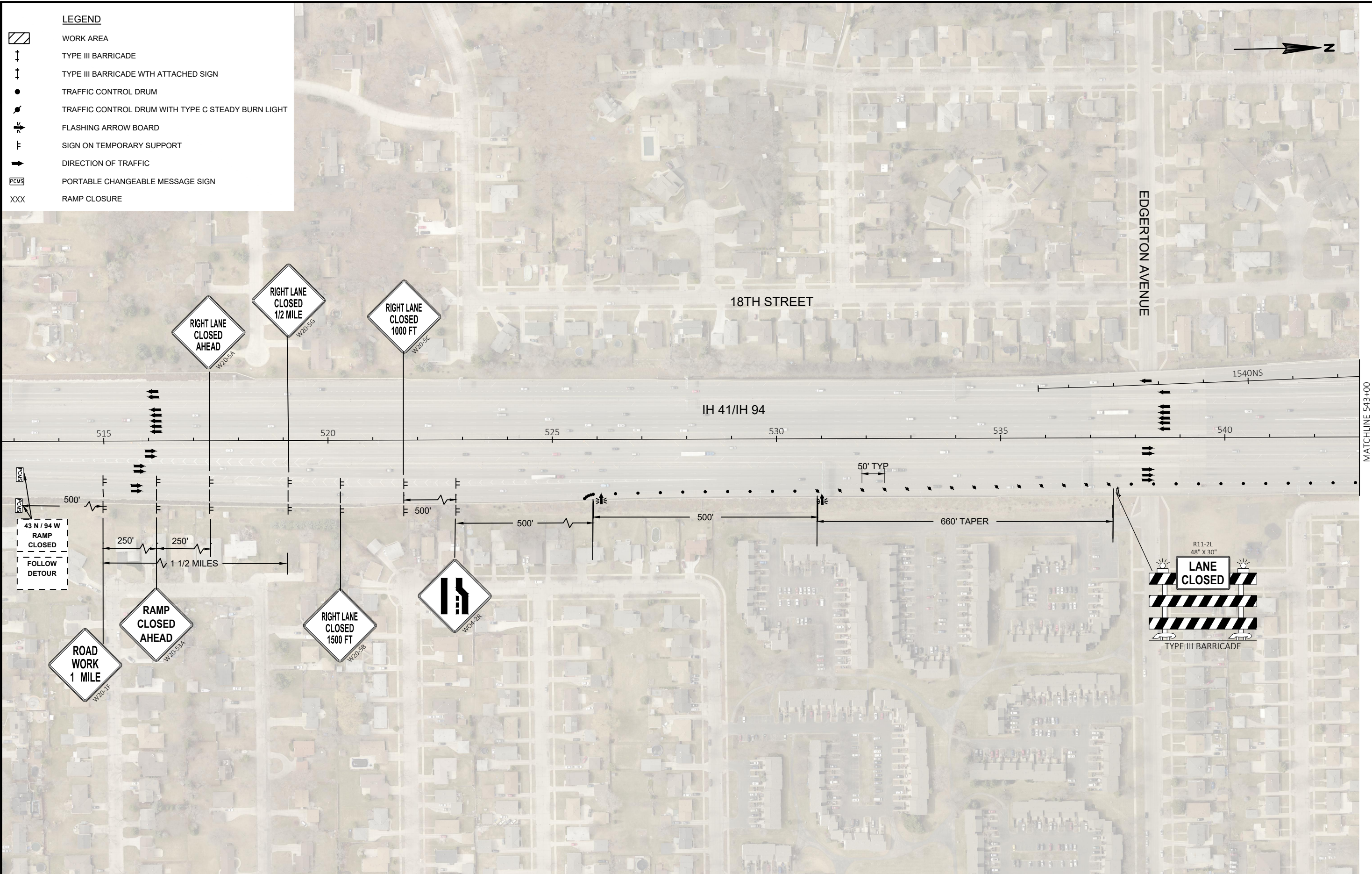
TRAFFIC CONTROL - STAGE 2

SHEET

E



LEGEND	
	WORK AREA
	TYPE III BARRICADE
	TYPE III BARRICADE WTH ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
	FLASHING ARROW BOARD
	SIGN ON TEMPORARY SUPPORT
	DIRECTION OF TRAFFIC
	PORTABLE CHANGEABLE MESSAGE SIGN
XXX	RAMP CLOSURE



PROJECT NO: 1030-15-70

HWY: IH 94

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 3

SHEET

E

FILE NAME : N:\PDS\C3D\10301500\SHEETPLAN\025005_TC - STAGE 3.DWG
LAYOUT NAME - 025001

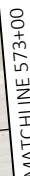
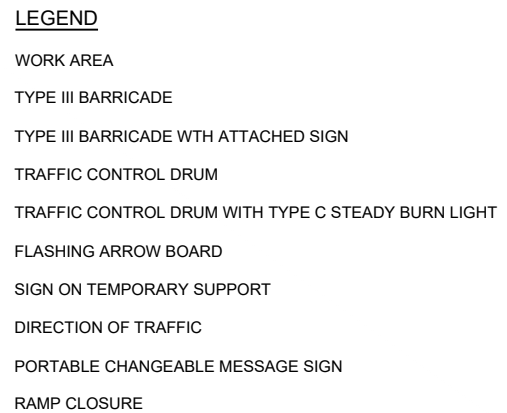
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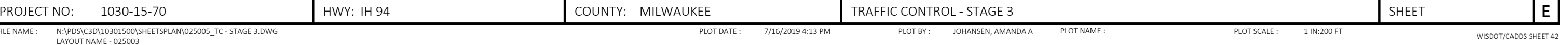
PLOT BY : MERLINE, HILARY ANN

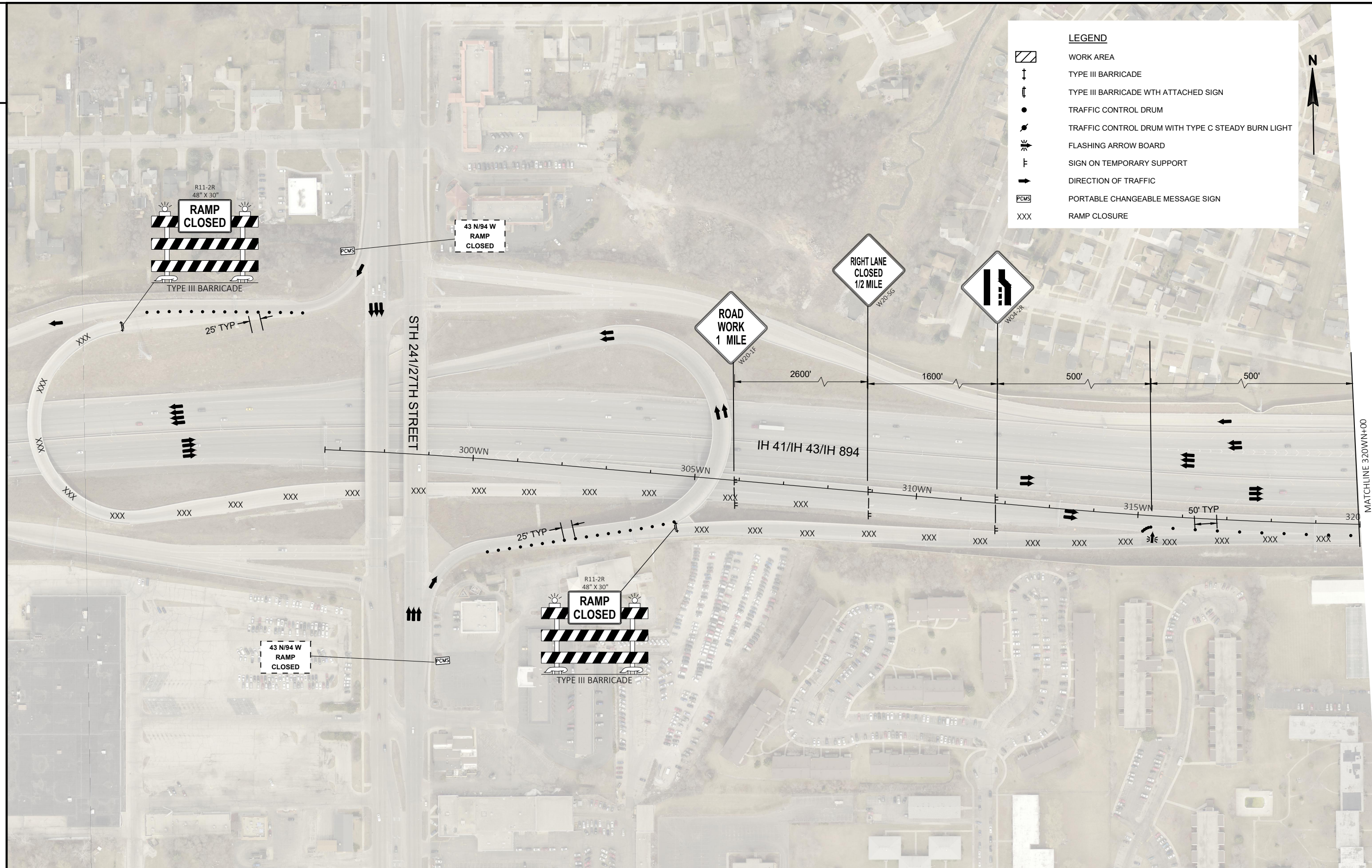
PLOT NAME :

PLOT SCALE : 1 IN:200 FT











WISDOT/CADDs SHEET 42

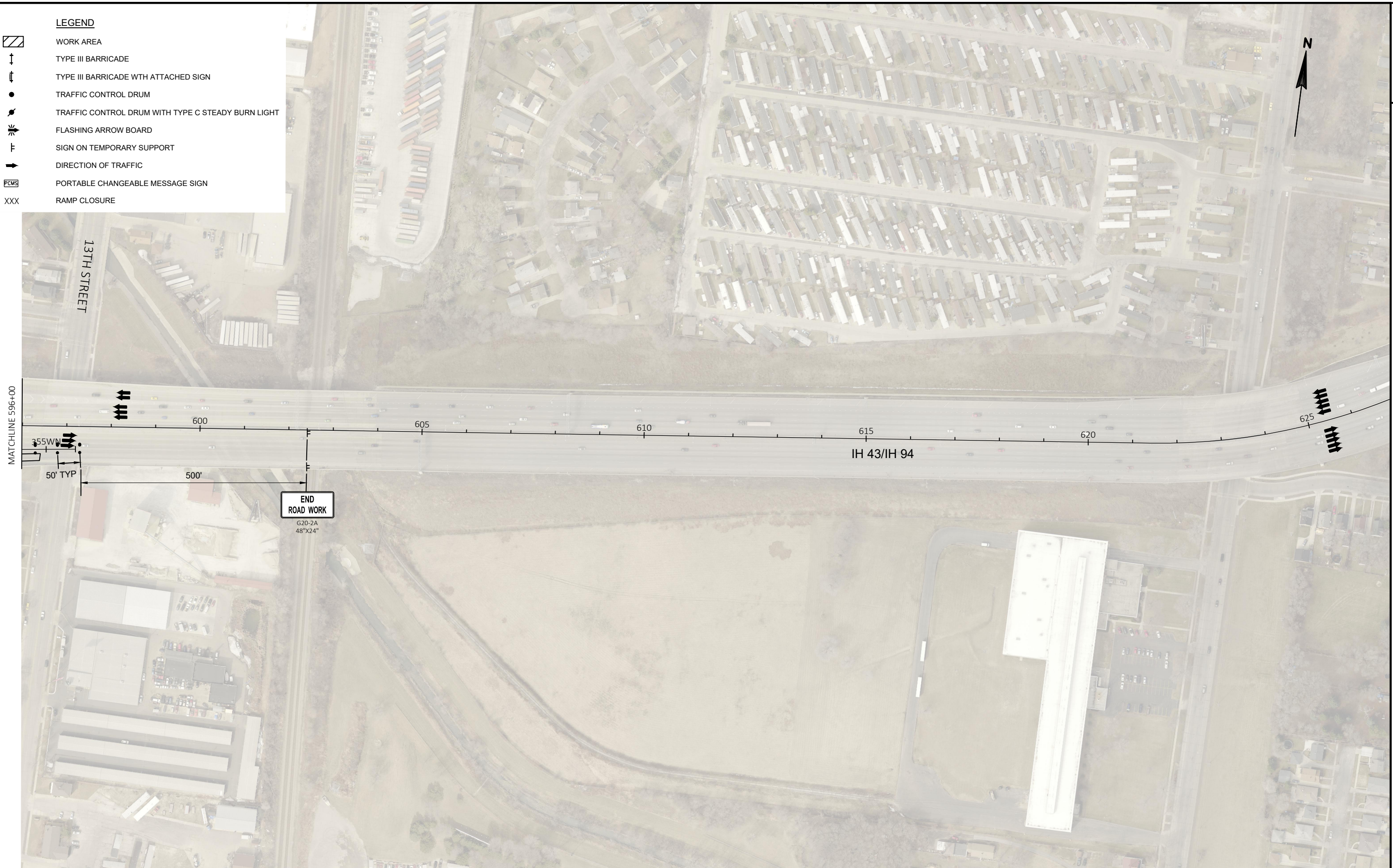






LEGEND

-  WORK AREA
-  TYPE III BARRICADE
-  TYPE III BARRICADE WTH ATTACHED SIGN
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
-  FLASHING ARROW BOARD
-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  RAMP CLOSURE



PROJECT NO: 1030-15-70

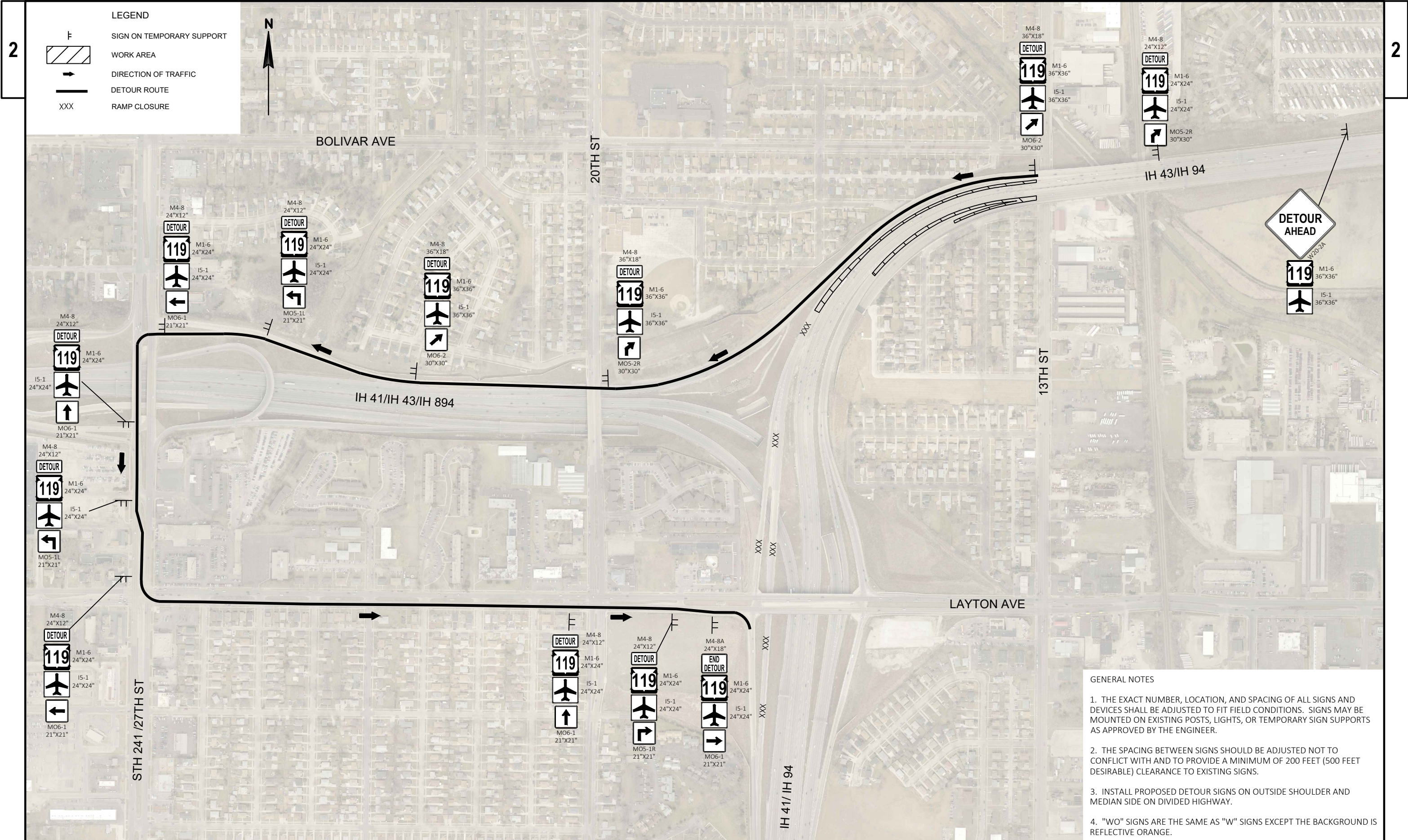
HWY: IH 94

COUNTY: MILWAUKEE

TRAFFIC CONTROL - STAGE 3

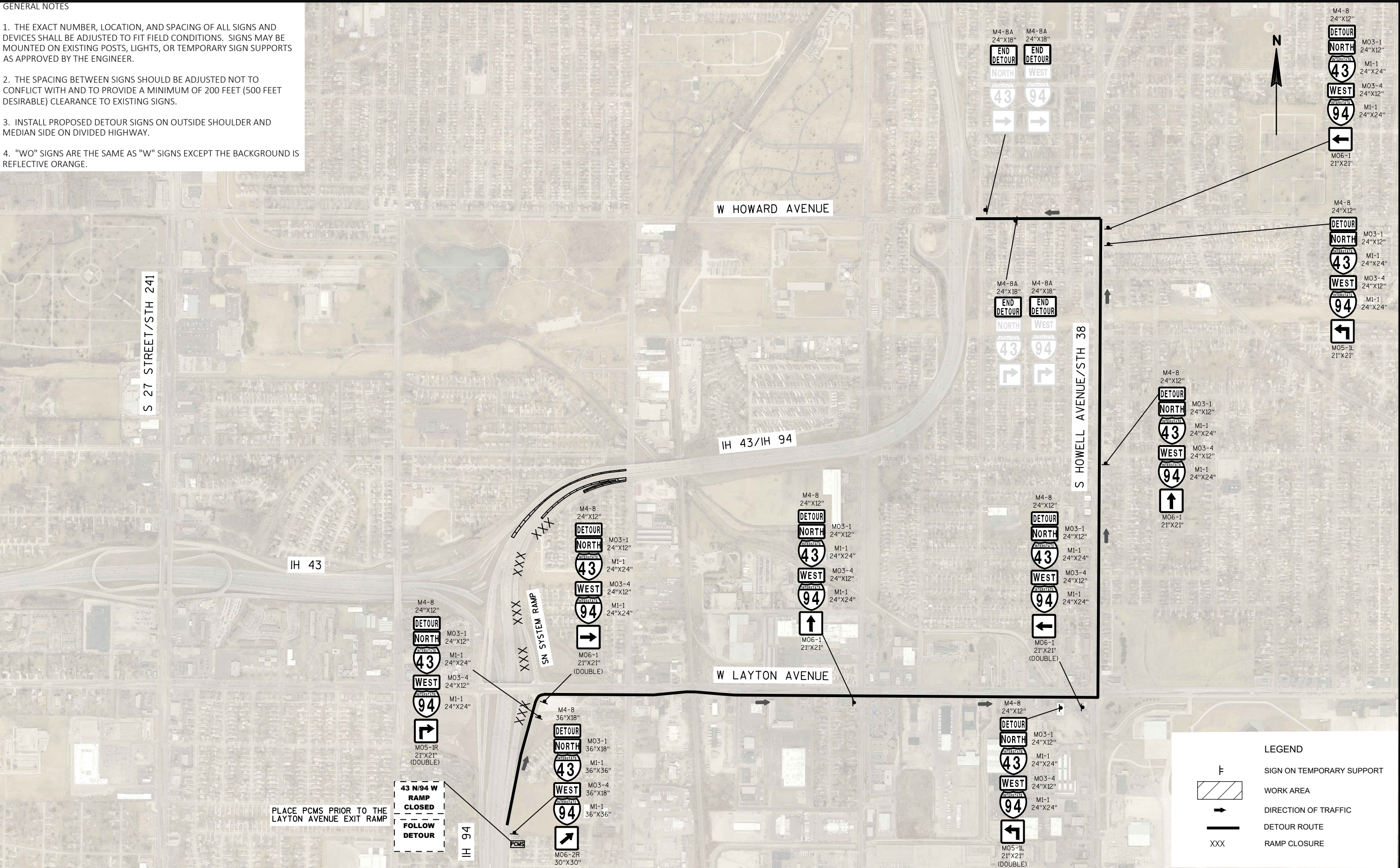
SHEET

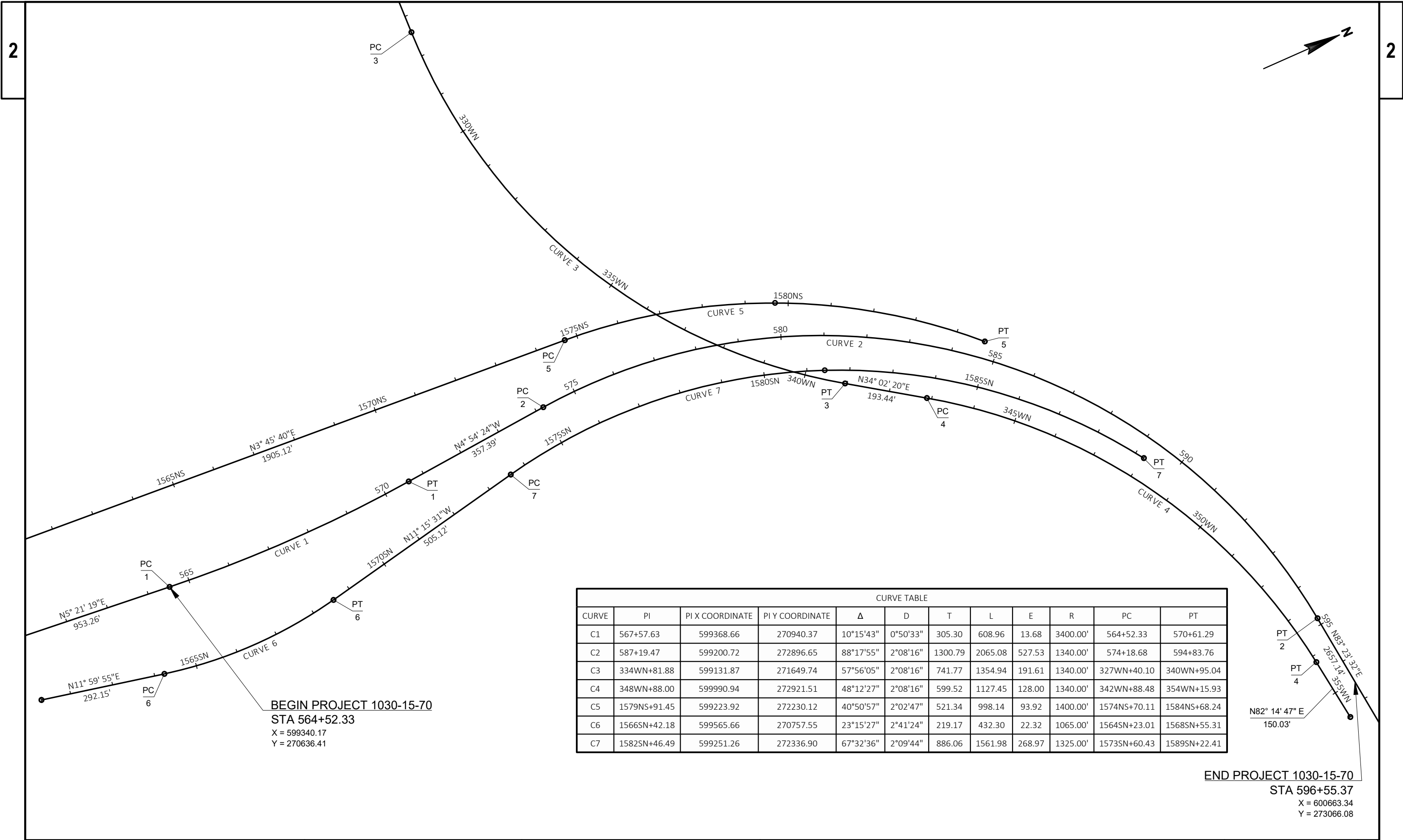
E



- GENERAL NOTES
1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS. SIGNS MAY BE MOUNTED ON EXISTING POSTS, LIGHTS, OR TEMPORARY SIGN SUPPORTS AS APPROVED BY THE ENGINEER.
 2. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED NOT TO CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.
 3. INSTALL PROPOSED DETOUR SIGNS ON OUTSIDE SHOULDER AND MEDIAN SIDE ON DIVIDED HIGHWAY.
 4. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.

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CURVE TABLE											
CURVE	PI	PI X COORDINATE	PI Y COORDINATE	Δ	D	T	L	E	R	PC	PT
C1	567+57.63	599368.66	270940.37	10°15'43"	0°50'33"	305.30	608.96	13.68	3400.00'	564+52.33	570+61.29
C2	587+19.47	599200.72	272896.65	88°17'55"	2°08'16"	1300.79	2065.08	527.53	1340.00'	574+18.68	594+83.76
C3	334WN+81.88	599131.87	271649.74	57°56'05"	2°08'16"	741.77	1354.94	191.61	1340.00'	327WN+40.10	340WN+95.04
C4	348WN+88.00	599990.94	272921.51	48°12'27"	2°08'16"	599.52	1127.45	128.00	1340.00'	342WN+88.48	354WN+15.93
C5	1579NS+91.45	599223.92	272230.12	40°50'57"	2°02'47"	521.34	998.14	93.92	1400.00'	1574NS+70.11	1584NS+68.24
C6	1566SN+42.18	599565.66	270757.55	23°15'27"	2°41'24"	219.17	432.30	22.32	1065.00'	1564SN+23.01	1568SN+55.31
C7	1582SN+46.49	599251.26	272336.90	67°32'36"	2°09'44"	886.06	1561.98	268.97	1325.00'	1573SN+60.43	1589SN+22.41

BEGIN PROJECT 1030-15-70
STA 564+52.33
X = 599340.17
Y = 270636.41

END PROJECT 1030-15-70
STA 596+55.37
X = 600663.34
Y = 273066.08

EROSION CONTROL							
CATEGORY	LOCATION	STATION	TO	STATION	628.7010	628.7570	628.7555
					INLET	ROCK	CULVERT
					PROTECTION TYPE B EACH	BAGS EACH	PIPE CHECKS EACH
1000	IH 94	564+52	-	596+55	47	141	1
	RAMP SN	1585+43SN	-	1589+22SN	4	12	1
	RAMP NS	1581+52NS	-	1584+68NS	3	9	1
	RAMP WN	349+90WN	-	354+88WN	--	--	1
	UNDISTRIBUTED				14	41	1
TOTAL					68	203	5

MOBILIZATIONS				
CATEGORY	PROJECT	619.1000	628.1905	628.1910
		MOBILIZATION	MOBILIZATIONS	MOBILIZATIONS
		EACH	EROSION CONTROL	EROSION CONTROL
1000	1030-15-70	1	3	3
	TOTAL	1	3	3

HIGH FRICTION SURFACE TREATMENT							
							SPV.0180.0001
							RESIN BINDER
							HIGH FRICTION
							SURFACE TREATMENT
CATEGORY	STAGE	LOCATION	STATION	TO	STATION	OFFSET	SY
1000	1	IH 94 NB	564+52	-	596+55	RT	10,091
		IH 94 SB	564+52	-	596+55	LT	10,323
STAGE 1 TOTAL							20,414
	2	RAMP NS/IH 94	1581NS+52	-	596+55	LT	3,075
		RAMP SN/RAMP WN	1585SN+43	-	354WN+90	RT/LT	2,860
STAGE 2 TOTAL							5,935
	3	RAMP WN	349WN+88	-	354WN+87	RT	863
TOTAL							27,212

PAVEMENT MARKING ITEMS													
				646.1020		646.1555		646.3555		646.7120		646.7220	
				MARKING LINE EPOXY		MARKING LINE GROOVED CONTRAST PERMANENT TAPE		MARKING LINE GROOVED CONTRAST PERMANENT TAPE		MARKING DIAGONAL EPOXY		MARKING CHEVRON EPOXY	
				4-INCH		4-INCH		8-INCH		12-INCH		24-INCH	
						12.5 FT LINE 37.5 FT SKIP		3 FT LINE 9 FT SKIP					
CATEGORY	LOCATION	STATION	TO	STATION	WHITE LF	YELLOW LF	WHITE LF	WHITE LF	WHITE LF	WHITE LF	YELLOW LF	WHITE LF	
1000	IH 43/94 NB	564+00	-	604+50	2,052	3,550	1,100		1,478	--	278	506	503
	IH 43/94 SB	564+00	-	604+50	3,747	4,069	1,775		2,271	24	523	574	701
	RAMP NS	1580NS+99	-	1584NS+68	378	--	100		369	--	55	--	128
	RAMP SN	1584SN+93	-	590+91	569	--	--		593	--	84	--	210
	RAMP WN	349WN+28	-	599+71	869	--	225		625	--	145	--	256
SUBTOTAL					7,615	7,619	3,200		5,336	24	1,085	1,080	1,798
TOTAL					15,234		3,200		5,360		2,165		1,798

FINISHING ROADWAY		
CATEGORY	PROJECT	213.0100
		FINISHING ROADWAY
		PROJECT (1030-15-70)
1000	1030-15-70	1
	TOTAL	1

FIELD OFFICE		
CATEGORY	LOCATION	642.5401
		FIELD OFFICE
		TYPE D
1000	PROJECT	1
	TOTAL	1

TEMPORARY PAVEMENT MARKING ITEMS

		646.1020		650.1555		649.0250	
		TEMPORARY MARKING LINE EPOXY 4-INCH		TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 4-INCH		TEMPORARY MARKING LINE REMOVABLE CONTRAST TAPE 8-INCH	
				12.5 FT LINE 37.5 FT SKIP		3 FT LINE 9 FT SKIP	
CATEGORY	LOCATION	STATION	TO STATION	WHITE LF	YELLOW LF	WHITE LF	WHITE LF
1000	IH 43/94 NB			2,052	3,550	1,100	1,478
	IH 43/94 SB			3,747	4,069	1,775	2,271
	RAMP SN			378	--	100	369
	RAMP NS			569	--	--	593
	RAMP WN			869	--	225	625
SUBTOTAL				7,615	7,619	3,200	5,336
TOTAL				15,234		3,200	5,360

TRAFFIC CONTROL

			SPV.0060.0001	SPV.0060.0002	SPV.0060.0003
			TRAFFIC CONTROL CLOSE-OPEN FREEWAY ENTRANCE RAMP EACH	TRAFFIC CONTROL FULL FREEWAY CLOSURE EACH	TRAFFIC CONTROL CLOSE-OPEN FREEWAY TO FREEWAY SYSTEM RAMP EACH
CATEGORY	STAGE	LOCATION			
1000	1	IH 94	--	8	--
		STH 241 ENTRANCE RAMPS	8	--	--
	2	NS SYSTEM RAMP	--	--	3
		SN SYSTEM RAMP	--	--	3
		LAYTON AVENUE ENTRANCE RAMP	3	--	--
		STH 241 ENTRANCE RAMPS	6	--	--
		HOWARD AVENUE ENTRACE RAMP	3	--	--
	3	SN SYSTEM RAMP	--	--	3
		LAYTON AVENUE ENTRANCE RAMP	3	--	--
		STH 241 ENTRANCE RAMPS	6	--	--
		TOTAL	29	8	9

TRAFFIC CONTROL

		643.0300		643.0420		643.0705		643.0715		643.0800		643.0900				643.0920		643.1050	
		TRAFFIC CONTROL DRUMS		TRAFFIC CONTROL BARRICADES TYPE III		TRAFFIC CONTROL WARNING LIGHTS TYPE A		TRAFFIC CONTROL WARNING LIGHTS TYPE C		TRAFFIC CONTROL ARROW BOARDS		TRAFFIC CONTROL SIGNS (DETOUR)				TRAFFIC CONTROL COVERING SIGNS TYPE II		TRAFFIC CONTROL SIGNS PCMS	
CATEGORY	STAGE	LOCATION	STAGE DURATION DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS
1000	1	IH 94	4	292	1,168	14	56	28	112	59	236	4	16	41	164	--	--	--	--
		RAMP WN		120	480	8	32	16	64	14	56	2	8	16	64	--	--	--	--
	2	IH 94	3	538	1,614	29	87	58	174	102	306	5	15	79	237	109	327	3	3
		RAMP WN		120	360	8	24	16	48	14	42	2	6	16	48	--	--	--	--
	3	IH 94	3	161	483	4	12	8	24	28	84	4	12	27	81	51	153	3	3
		RAMP WN		119	357	7	21	14	42	14	42	2	6	15	45	--	--	--	--
	UNDISTRIBUTED				1,116		58		116		192		16		160		120		2
	TOTAL				5,578		290		580		958		79		1,399		8		156

TRAFFIC CONTROL

		643.5000
		TRAFFIC CONTROL EACH
CATEGORY	LOCATION	
1000	PROJECT 1030-15-70	1
	TOTAL	1

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a "PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

- a. With the plan open in Acrobat, select Document > Insert Pages.
- b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
- c. In the Insert dialog box, choose After for Location and Last page for Page.
- d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

- a. Go to the last sheet of the plan.
- b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

- a. Select File > Save As and save the PDF.

TO REMOVE PRELIMINARY SHEET NUMBERS

DRAFT