WKE

PROJECT ID: 3742-03-71

WITH:

COUNTY: VARIOUS

SEPTEMBER 2026

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 = 48

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3742-03-71		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

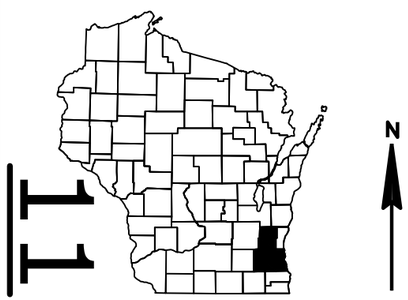
PLAN OF PROPOSED IMPROVEMENT

FY27 SER TREE CLEARING PROJECT

VARIOUS SER COUNTIES

VARIOUS HIGHWAYS
SOUTHEAST REGION WIDE

STATE PROJECT NUMBER
3742-03-71



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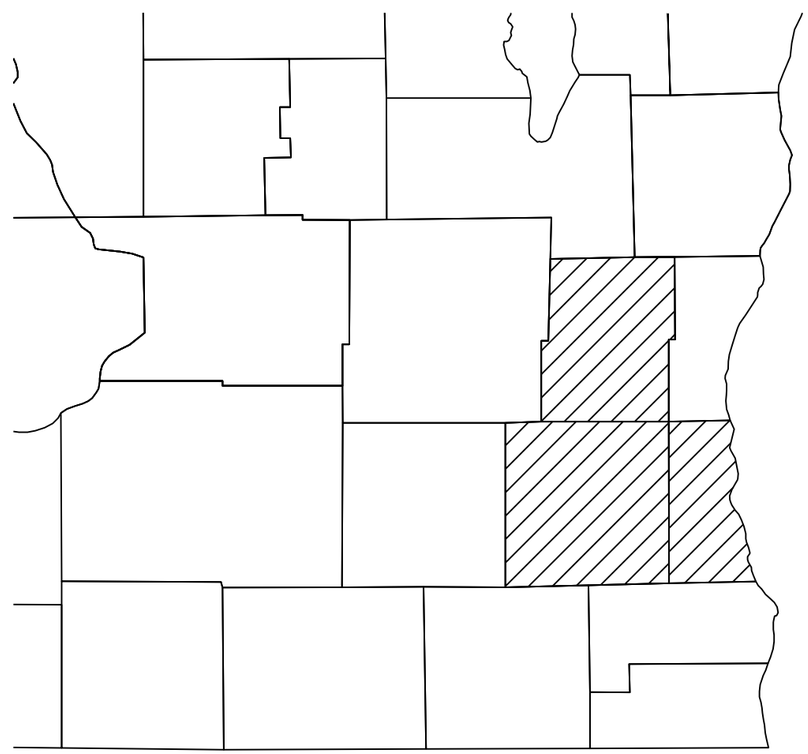

DESIGN DESIGNATION

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

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 (300'EB')
EXISTING CULVERT
PROPOSED CULVERT (Box or Pipe)
COMBUSTIBLE FLUIDS (CAUTION)
MARSH AREA
WOODED OR SHRUB AREA

PROFILE

GRADE LINE
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
SPECIAL DITCH (LABEL)
GRADE ELEVATION (95.36)
CULVERT (Profile View)

UTILITIES

ELECTRIC — E
FIBER OPTIC — FO
GAS — G
SANITARY SEWER — SAN
STORM SEWER — SS
TELEPHONE — T
WATER — W
UTILITY PEDESTAL
POWER POLE
TELEPHONE POLE

LAYOUT

SCALE 0 — 1 MI

TOTAL NET LENGTH OF CENTERLINE =

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), {NAME} COUNTY, NAD83 (YEAR), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (YEAR). GPS DERIVED ELEVATIONS ARE BASED ON GEOID XX.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	VARIOUS
Designer	WISDOT
Project Manager	JON GILL
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	JANET CANNON

APPROVED FOR THE DEPARTMENT

DATE: 7/22/2026 (Signature)

E

2

ORDER OF SECTION 2 DETAIL SHEETS

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PROJECT OVERVIEW
CONSTRUCTION DETAILS

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STANDARD ABBREVIATIONS

ABUT	ABUTMENT	LT	LEFT
AC	ACRE	LHF	LEFT HAND FORWARD
AGG	AGGREGATE	L	LENGTH OF CURVE
AH	AHEAD	LF	LINEAR FOOT
∠	ANGLE	LC	LONG CHORD OF CURVE
AADT	ANNUAL AVERAGE DAILY TRAFFIC	LS	LUMP SUM
AEW	APRON ENDWALL	MGAL	ONE THOUSAND GALLONS
ASPH	ASPHALTIC	MH	MANHOLE
BK	BACK	ML OR M/L	MATCH LINE
BC	BACK OF CURB	NOM	NOMINAL
BAD	BASE AGGREGATE DENSE	NC	NORMAL CROWN
BL OR B/L	BASE LINE	NB	NORTHBOUND
BM	BENCH MARK	NO	NUMBER
CB	CATCH BASIN	OD	OUTSIDE DIAMETER
CL OR C/L	CENTER LINE	PAVT	PAVEMENT
Δ	CENTRAL ANGLE OR DELTA	PLE	PERMANENT LIMITED EASEMENT
CE	COMMERCIAL ENTRANCE	PC	POINT OF CURVATURE
CONC	CONCRETE	PI	POINT OF INTERSECTION
CSW	CONCRETE SIDEWALK	PT	POINT OF TANGENCY
CONST	CONSTRUCTION	PCC	PORTLAND CEMENT CONCRETE
CP	CONTROL POINT	LB	POUND
CO	COUNTY	PSI	POUNDS PER SQUARE INCH
CTH	COUNTY TRUCK HIGHWAY	PE	PRIVATE ENTRANCE
CY	CUBIC YARD	PROJ	PROJECT
CP	CULVERT PIPE	PL	PROPERTY LINE
CPCA	CULVERT PIPE CORRUGATED ALUMINUM	PRW	PROPOSED RIGHT OF WAY
CPCPE	CULVERT PIPE CORRUGATED POLYETHYLENE	R	RADIUS
CPCPP	CULVERT PIPE CORRUGATED POLYPROPYLENE	RL OR R/L	REFERENCE LINE
CPCS	CULVERT PIPE CORRUGATED STEEL	REQD	REQUIRED
CPCSAC	CULVERT PIPE CORRUGATED STEEL ALUMINUM COATED	RT	RIGHT
CPCSPC	CULVERT PIPE CORRUGATED STEEL POLYMER COATED	RHF	RIGHT HAND FORWARD
CPRC	CULVERT PIPE REINFORCED CONCRETE	R/W	RIGHT OF WAY
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL	RD	ROAD
CPS	CULVERT PIPE SALVAGED	RDWY	ROADWAY
CPT	CULVERT PIPE TEMPORARY	SHLDR	SHOULDER
C & G	CURB AND GUTTER	SW	SIDEWALK
D	DEGREE OF CURVE	SB	SOUTHBOUND
DHV	DESIGN HOUR VOLUME	SPECS	SPECIFICATIONS
DIA	DIAMETER	SF	SQUARE FEET
DD	DIRECTIONAL DISTRIBUTION	SY	SQUARE YARD
DE	DRAINAGE EASEMENT	SDD	STANDARD DETAIL DRAWINGS
DWY	DRIVEWAY	STH	STATE TRUNK HIGHWAY
EA	EACH	STA	STATION
EB	EASTBOUND	SSPC	STORM SEWER PIPE COMPOSITE
EL OR ELEV	ELEVATION	SSCPE	STORM SEWER PIPE CORRUGATED POLYETHYLENE
EMB	EMBANKMENT	SSCPP	STORM SEWER PIPE CORRUGATED POLYPROPYLENE
EW	ENDWALL	SSPNRC	STORM SEWER PIPE NON-REINFORCED CONCRETE
EAT	ENERGY ABSORBING TERMINAL	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
ESALS	EQUIVALENT SINGLE AXLE LOADS	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
EXC	EXCAVATION	SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
EBS	EXCAVATION BELOW SUBGRADE	SE	SUPERELEVATION
EXIST	EXISTING	SL OR S/L	SURVEY LINE
FERT	FERTILIZER	TEMP	TEMPORARY
FE	FIELD ENTRANCE	TI	TEMPORARY INTEREST
FL OR F/L	FLOW LINE	TLE	TEMPORARY LIMITED EASEMENT
FT	FOOT	TC	TOP OF CURB
FTMS	FREE TRAFFIC MANAGEMENT SYSTEM	TL OR T/L	TRANSIT LINE
HES	HIGH EARLY STRENGTH	T	TRUCKS (PERCENT OF)
HE	HIGHWAY EASEMENT	TYP	TYPICAL
CWT	HUNDRED WEIGHT	USH	UNITED STATES HIGHWAY
IN DIA	INCH DIAMETER	VAR	VARIABLE
INL	INLET	VC	VERTICAL CURVE
ID	INSIDE DIAMETER	VPC	VERTICAL POINT OF CURVATURE
INTERS	INTERSECTION	VPI	VERTICAL POINT OF INTERSECTION
IH	INTERSTATE HIGHWAY	VPT	VERTICAL POINT OF TANGENCY
INV	INVERT	W	WEST
JT	JOINT	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.

CONTRACTOR WILL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS, OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKER IS TO BE WITH THE APPROVAL OF THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT APPROXIMATE LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER. MAINTAIN EROSION CONTROL MEASURES UNTIL SUCH A TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS OR WATERWAYS.

DIGGERS HOTLINE
Dial 811 or (800)242-8511
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TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES
BEFORE YOU DIG IN WISCONSIN

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Level 3 Communications LLC - Communication Line
715 2nd St. N
Minneapolis, MN 55401
ryan.heikkila@lumen.com

DNR CONTACT
Craig Webster
Wisconsin Department of Natural Resources
141 NW Barstow ST, Room 180
Waukesha, WI 53188
Phone: (262) 574-2141
Cell: (414) 303-3011
Craig.Webster@Wi.Gov

DIGGERS HOTLINE
Dial 811 or (800) 242-8511
www.DiggersHotline.com

2

UTILITY CONTACTS

*FOR INFORMATION ONLY

AT&T - WISCONSIN (COMMUNICATION LINE)
WILL SCHROEDER
435 S 95TH STREET
MILWAUKEE, WI 53214
PHONE: 414-379-7522
EMAIL: WS3060@ATT.COM

CITY OF GLENDALE (SEWER)
CHARLIE IMIG
5909 N MILWAUKEE RIVER PARKWAY
GLENDALE, WI 53209
PHONE: 414-228-1746
EMAIL: C.IMIG@GLENDALE-WI.GOV

CITY OF GLENDALE (WATER)
CHARLIE IMIG
5909 N MILWAUKEE RIVER PARKWAY
GLENDALE, WI 53209
PHONE: 414-228-1746
EMAIL: C.IMIG@GLENDALE-WI.GOV

EVERSTREAM (COMMUNICATION LINE)
ABBY STEIN
324 E WISCONSIN AVENUE, SUITE 730
MILWAUKEE, WI 53202
PHONE: 414-442-9427
EMAIL: ASTEIN@EVERSTREAM.NET

MILWAUKEE METROPOLITAN SEWERAGE DISTRICT (SEWER)
JEREMY METZ
260 W SEEBOTH STREET
MILWAUKEE, WI 53204
PHONE: 414-225-2241
EMAIL: JMETZ@MMSD.COM

SPECTRUM (COMMUNICATION LINE)
BRYAN JANKOWSKI
1320 N DR. MARTIN LUTHER KING JR DRIVE
MILWAUKEE, WI 53203
PHONE: 414-239-5880
EMAIL: BRYAN.JANKOWSKI@CHARTER.COM

VILLAGE OF BROWN DEER (SEWER)
MATTHEW MAEDERER
8717 N 43RD STREET
BROWN DEER, WI 53209
PHONE: 414-357-0120
EMAIL: MMAEDERER@BROWNDEERWI.ORG

VILLAGE OF BROWN DEER (WATER)
MIRANDA DURBIN
4800 W GREEN BROOK DRIVE
BROWN DEER, WI 53223
PHONE: 414-374-1903
MIRANDA.DURBIN@CITYWATERUSA.COM

VILLAGE OF RIVER HILLS (SEWER)
CRAIG SCHROEDER
7650 N PHEASANT LANE
RIVER HILLS, WI 53217
PHONE: 414-352-0080
EMAIL: CSCHROEDER@RIVERHILLSWI.GOV

WE ENERGIES (ELECTRICITY)
LAUREL RICE
500 S 116TH STREET
WEST ALLIS, WI 53214
PHONE: 414-410-5218
EMAIL: LAUREL.RICE1@WE-ENERGIES.COM

WE ENERGIES (GAS)
JEANNETTE SCHULTZ
500 S 116TH STREET
WEST ALLIS, WI 53214
PHONE: 414-365-6421
EMAIL: JEANNETTE.SCHULTZ@WE-ENERGIES.COM

NON-UTILITY CONTACTS

MILWAUKEE COUNTY DOT
SIGNALS
DANIEL MURPHY
10930 W LAPHAM STREET
WEST ALLIS, WI 53214
PHONE: 414-257-5934
EMAIL: DANIEL.MURPHY
@MILWAUKEECOUNTYWI.GOV

WISDOT
SINGALS
JOYCE MURPHY
PHONE: 262-548-5933
EMAIL: JOYCE.MURPHY@DOT.WI.GOV

MILWAUKEE COUNTY DOT
KEVIN KENT
HIGHWAY SUPERINTENDENT
10320 W WATERTOWN PLANK ROAD, 1ST FLOOR
WAUWATOSA, WI 53226
PHONE: 262-257-6580
EMAIL: KEVIN.KENT@MILWAUKEE COUNTYWI.GOV

MILWAUKEE COUNTY DOT
ANDREA WEDDLE-HENNING
DIRECTOR OF TRANSPORTATION ENGINEERING
10930 W LAPHAM STREET
WEST ALLIS, WI 53214
PHONE: 414-257-5934
EMAIL: ANDREA.WEDDLE-HENNING
@MILWAUKEE COUNTYWI.GOV

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

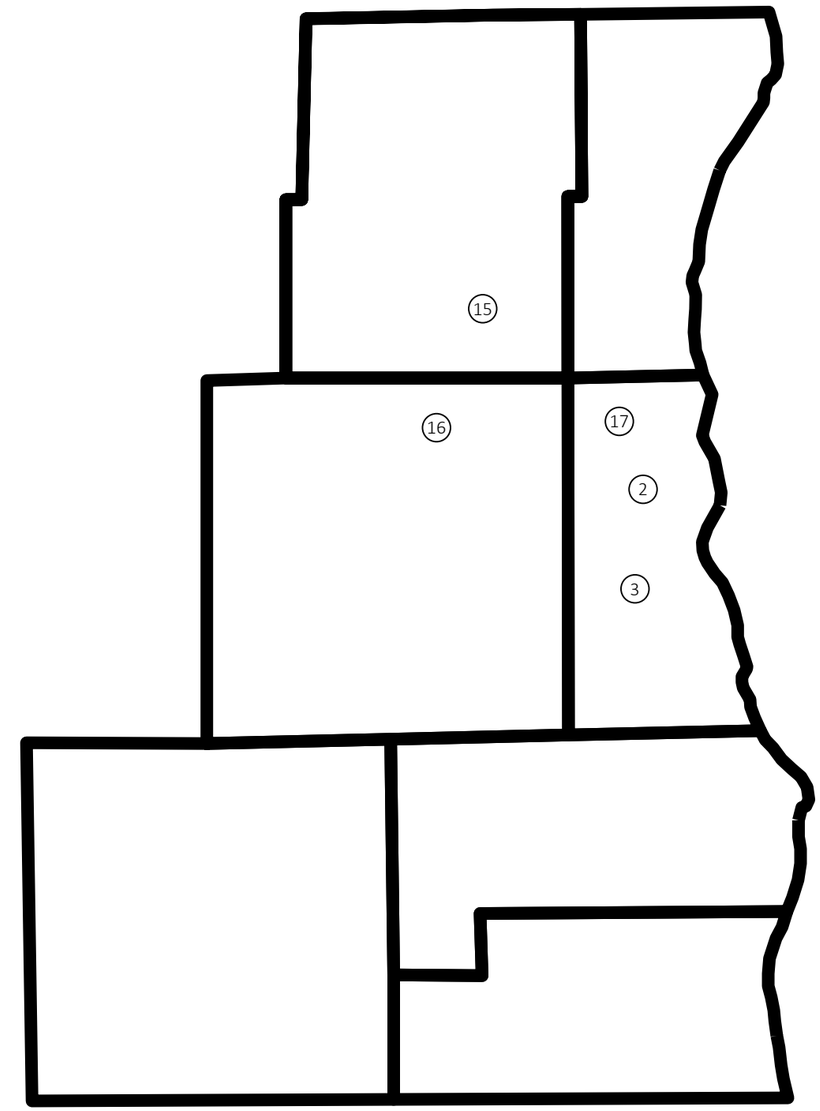
SEWRPC CONTACT

ANDY TRAEGER (CONSTRUCTION COORDINATOR)
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
(262) 953-4296
ATRAEGER@SEWRPC.ORG

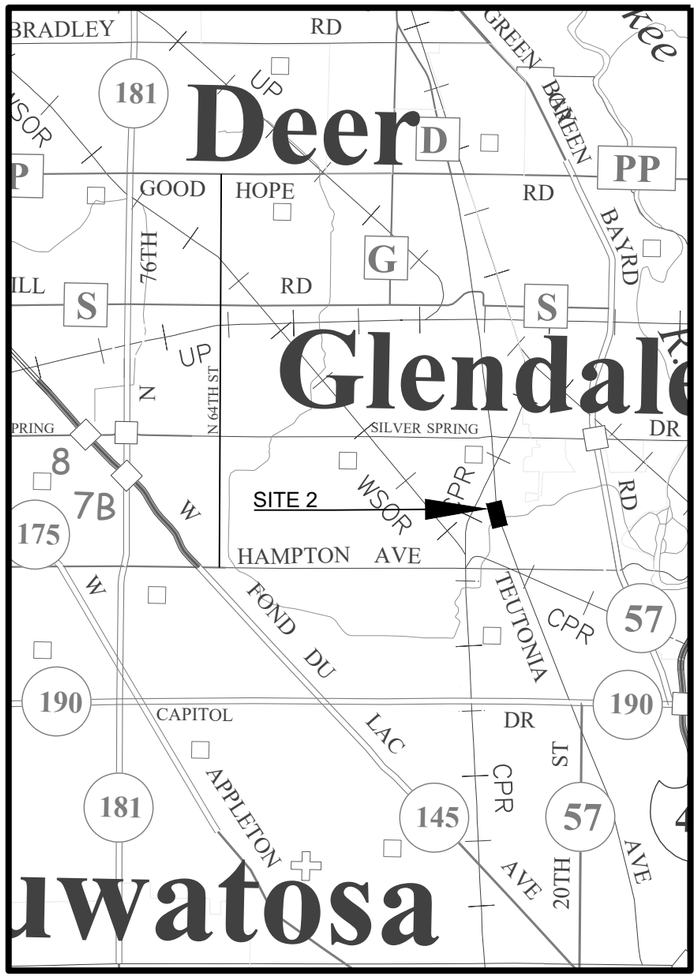
WISCONSIN DNR LIAISON

RYAN PAPPAS
SE REGION HEADQUARTERS
1027 W ST. PAUL AVENUE
MILWAUKEE, WI 53233
(414) 750-7495
RYAN.PAPPAS@WISCONSIN.GOV

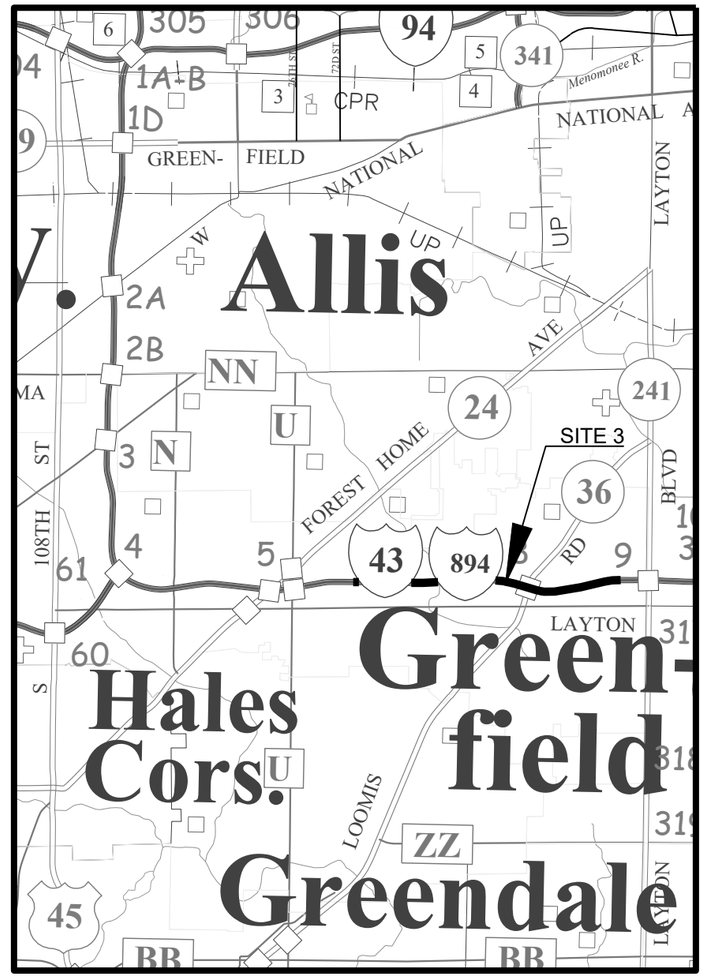
Site	CONSTRUCTION ID	ROUTE	COUNTY
2	2080-05-71	LOC STR	MILWAUKEE
3	1090-10-71	IH 041	MILWAUKEE
15	2475-08-71	STH 145	WASHINGTON
16	2370-00-76	STH 164	WAUKESHA
17	2565-03-73	STH 57	MILWAUKEE



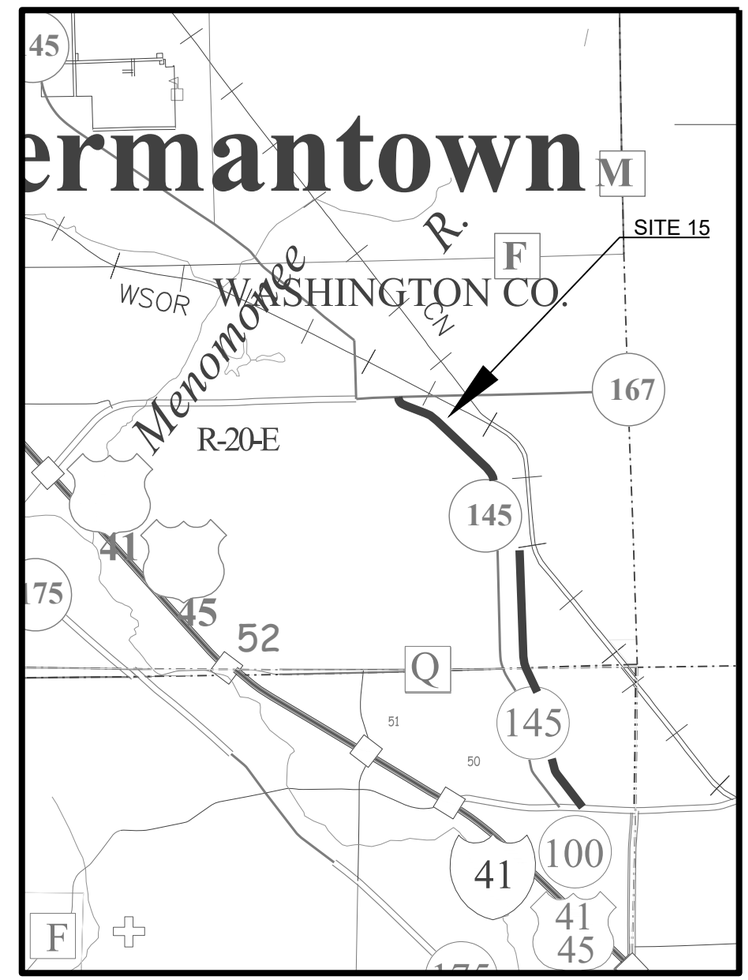
SITE 2
MILWAUKEE COUNTY
LINCOLN CREEK BRIDGE



SITE 3
MILWAUKEE COUNTY
IH 41



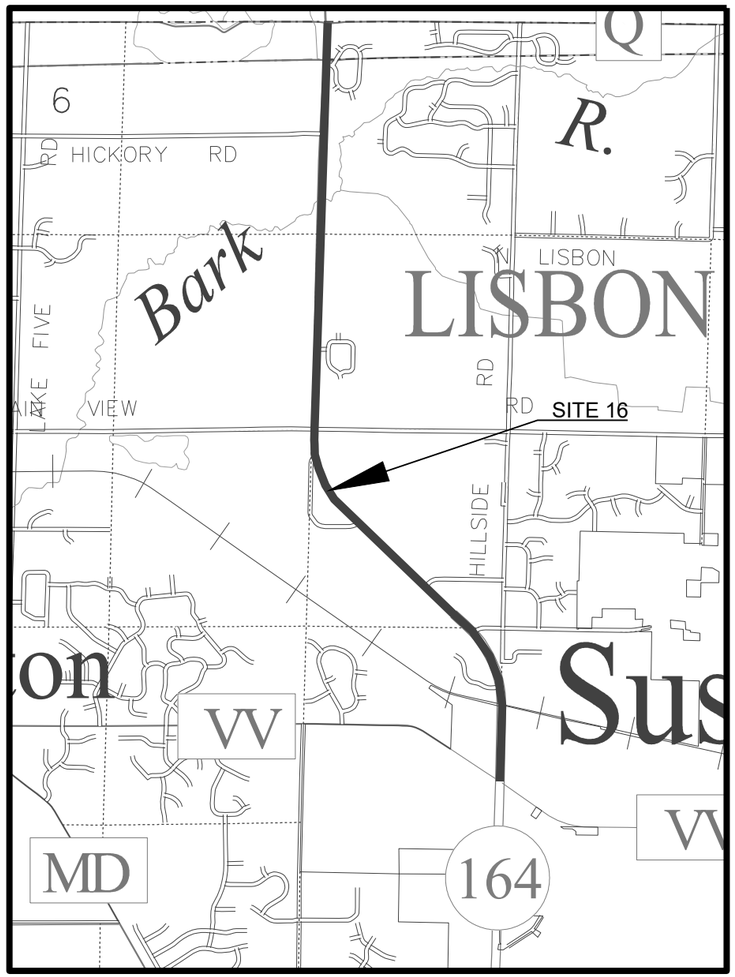
SITE 15
WASHINGTON COUNTY
STH 145



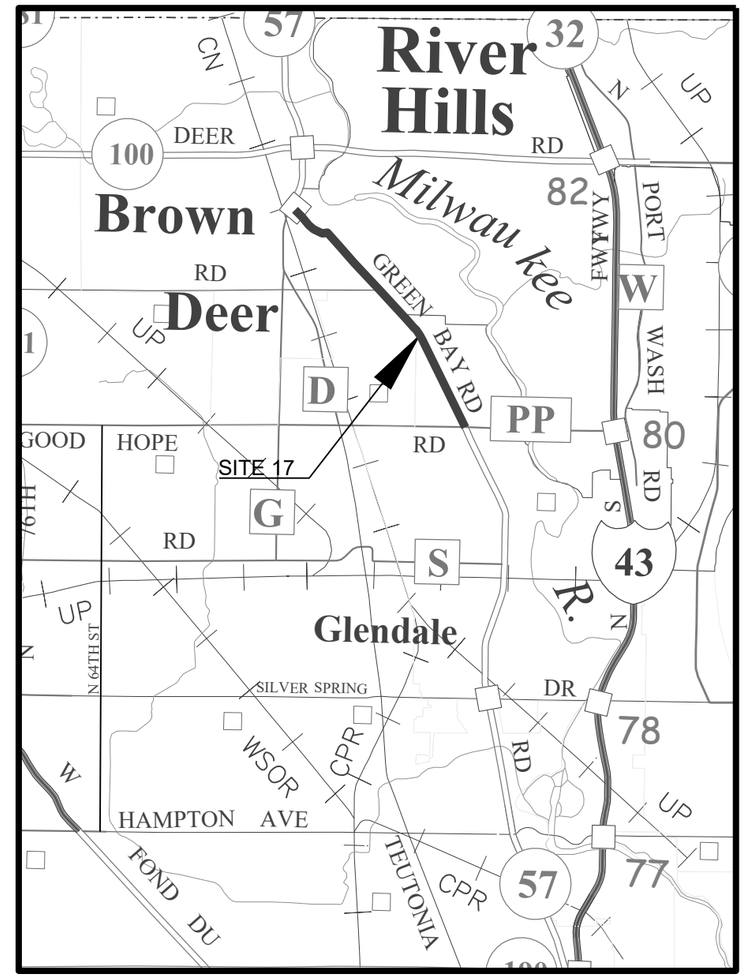
PROJECT NO: 3742-03-71	HWY: VARIOUS	COUNTY: VARIOUS	PROJECT OVERVIEW	SHEET 9	E

FILE NAME : N:\PDS\C3D\37420301\SHEETS\020202-PO.DWG
LAYOUT NAME - 01
PLOT DATE : 5/28/2026 1:47 PM
PLOT BY : BASS, ZORRIS L
PLOT NAME :
PLOT SCALE : #########
WISDOT/CADDS SHEET 42

SITE 16
WAUKESHA COUNTY
STH 164



SITE 17
MILWAUKEE COUNTY
STH 57



N

Estimate Of Quantities

3742-03-71

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	131.000	131.000
0004	201.0120	Clearing	ID	68.000	68.000
0006	204.0170	Removing Fence	LF	170.000	170.000
0008	213.0100	Finishing Roadway (project) 01. 3742-03-71	EACH	1.000	1.000
0010	616.0600.S	Fence Temporary	LF	150.000	150.000
0012	618.0100	Maintenance and Repair of Haul Roads (project) 01. 3742-03-71	EACH	1.000	1.000
0014	628.1504	Silt Fence	LF	100.000	100.000
0016	628.1520	Silt Fence Maintenance	LF	100.000	100.000
0018	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0020	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0022	628.7555	Culvert Pipe Checks	EACH	4.000	4.000
0024	628.7570	Rock Bags	EACH	5.000	5.000
0026	643.1050	Traffic Control Signs PCMS	DAY	100.000	100.000
0028	SPV.0045	Special 01. Traffic Control - Lane Closure	DAY	5.000	5.000
0030	SPV.0045	Special 02. Traffic Control - Shoulder Closure	DAY	7.000	7.000
0032	SPV.0045	Special 03. Traffic Control - Ramp Closure	DAY	2.000	2.000
0034	SPV.0045	Special 04. Traffic Control - Pedestrian Accommodation	DAY	2.000	2.000
0036	SPV.0060	Special 01. Frozen Ground Erosion Control	EACH	1.000	1.000
0038	SPV.0060	Special 02. Semi-Frozen Ground Erosion Control	EACH	1.000	1.000
0040	SPV.0060	Special 03. Thawed Ground Erosion Control	EACH	1.000	1.000
0042	SPV.0060	Special 04. Site Mobilization	EACH	5.000	5.000
0044	SPV.0060	Special 05. Semi-Permanent Restoration	EACH	1.000	1.000

3

TREE REMOVAL

SITE	LOCATION	STATION	TO	STATION	OFFSET	201.0105 CLEARING STA	201.0120 CLEARING ID	REMARKS
2	N TEUTONIA AVE	9+10	-	10+90	LT/RT	2	-	
		11+00	-	11+85	LT/RT	1	-	
					SUBTOTAL	3	0	SITE 2 FOR INFORMATION ONLY
3	IH4 1NB/43 SB/849 WB	150EW'+05	-	174'EW'+70	LT/RT	26	-	
	IH41 SB/43 NB/894 EB	230'EWE' +85	-	256'EWE'+72	LT/RT	28	-	
					SUBTOTAL	54	0	SITE 3 FOR INFORMATION ONLY
15	STH 145		25+51		LT	-	8	
			25+52		LT	-	8	
		45+25	-	46+60	LT/RT	2	-	
			45+53		LT	-	12	
		108+00	-	108+75	LT/RT	1	-	
		180+25	-	180+50	LT/RT	1	-	
					SUBTOTAL	4	28	SITE 15 FOR INFORMATION ONLY
16	STH 164	465+50	-	466+25	LT	2	-	
		486+05	-	489+40	RT	4	-	
		512+45	-	514+00	LT/RT	2	-	
			514+30		LT	-	20	
		515+00	-	515+50	RT	2		
			518+90		LT	-	20	
		520+45		521+50	LT	2	-	
		598+25		598+65	RT	2	-	
	PLAINVIEW ROAD	2+00	-	3+00	LT	1	-	
		3+60	-	4+05	LT	2		
					SUBTOTAL	17	40	SITE 16 FOR INFORMATION ONLY
17	STH 57	31+70	-	32+05	RT	2	-	
		34+15	-	34+30	RT	1	-	
		35+95	-	36+60	RT	2	-	
		37+20	-	37+75	RT	1	-	
		39+00	-	44+75	RT	6	-	
		45+10	-	54+05	RT	10	-	
		55+80	-	64+95	RT	10	-	
		65+60	-	72+95	RT	8	-	
		73+85	-	75+25	LT	3	-	
		94+30	-	96+45	LT	3	-	
		97+60	-	98+10	LT	2	-	
		133+50	-	136+85	LT	4	-	
		138+80	-	138+99	LT	1	-	
					SUBTOTAL	53	0	SITE 17 FOR INFORMATION ONLY
					TOTAL	131	68	TOTAL FOR INFORMATION ONLY

3

TRAFFIC CONTROL

SITE	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	SPV.0045.01 TRAFFIC CONTROL - LANE CLOSURE DAY	SPV.0045.02 TRAFFIC CONTROL - SHOULDER CLOSURE DAY	SPV.0045.03 TRAFFIC CONTROL - RAMP CLOSURE DAY	SPV.0045.04 PEDESTRIAN ACCOMODATION DAY
2	-	2	-	-	2
3	-	2	2	2	-
15	-	1	1	-	-
16	-	-	2	-	-
17	-	-	2	-	-
UNDISTRIBUTED	100	-	-	-	-
TOTAL	100	5	7	2	2

*FOR INFORMATION ONLY

MISCELLANEOUS

SITE	204.0170 REMOVING FENCE LF	213.0100.01 FINISHING ROADWAY (01. 3742-03-70) EACH	616.0600.S FENCE TEMPORARY LF	SPV.0060.04 SITE MOBLIZATION EACH
2	-	-	-	1
3	150	-	150	1
15	-	-	-	1
16	-	-	-	1
17	20	-	-	1
UNDISTRIBUTED	-	1	-	-
TOTAL	170	1	150	5

*FOR INFORMATION ONLY

3

EROSION CONROL

SITE	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	SPV.0060.01 FROZEN GROUND EROSION CONTROL EACH	SPV.0060.02 SEMI-FROZEN GROUND EROSION CONTROL EACH	SPV.0060.03 THAWED GROUND EROSION CONTROL EACH	SPV.0060.05 SEMI-PERMANENT RESTORATION EACH
2	-	-	1	-	-	-	-	-	-	-
3	-	-	1	-	-	-	-	-	-	-
15	-	-	1	-	4	-	-	-	-	1
16	-	-	1	-	-	-	-	-	-	-
17	-	-	1	-	-	-	-	-	-	-
UNDISTRIBUTED	100	100	-	5	-	5	1*	1*	1*	-
TOTAL 0010	100	100	5	5	4	5	1*	1*	1*	1

*DEPENDENT ON FIELD CONDITIONS; ONE EROSION CONTROL ITEM PAID PER SITE

*FOR INFORMATION ONLY

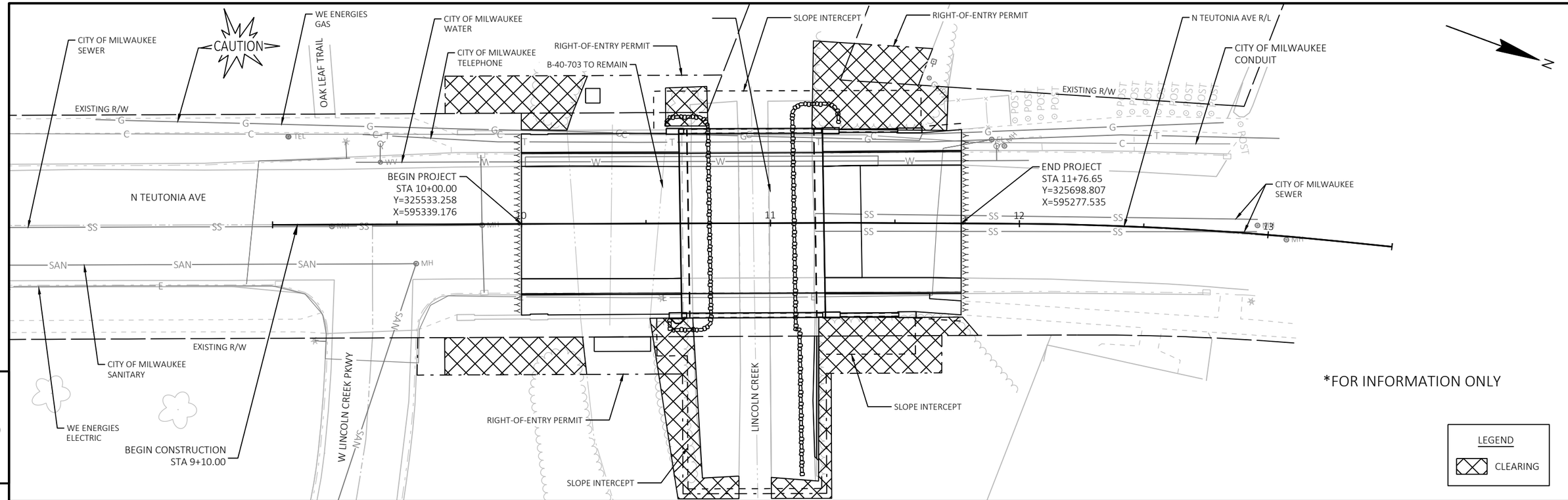
3

MAXIMUM, EXPECTED, AND MINIMUM QUANTITIES

	201.0105	201.0120	204.0170	616.0600.S	628.1504	628.1520	628.1905	628.1910	628.7555	628.7570	643.1050	SPV.0045.01	SPV.0045.02
	CLEARING	CLEARING	REMOVING FENCE	FENCE TEMPORARY	SILT FENCE	SILT FENCE MAINTENANCE	MOBILIZATIONS EROSION CONTROL	MOBILIZATIONS EMERGENCY EROSION CONTROL	CULVERT PIPE CHECKS	ROCK BAGS	TRAFFIC CONTROL SIGNS PCMS	TRAFFIC CONTROL - LANE CLOSURE	TRAFFIC CONTROL - SHOULDER CLOSURE
	STA	ID	LF	LF	LF	LF	EACH	EACH	EACH	EACH	DAY	DAY	DAY
MINIMUM	20	10	75	75	0	0	2	0	0	0	0	4	2
EXPECTED	131	68	170	150	100	100	5	5	4	5	100	5	7
MAXIMUM	250	200	500	500	200	200	6	6	6	6	200	12	10

MAXIMUM, EXPECTED, AND MINIMUM QUANTITIES

	SPV.0045.03	SPV.0045.04	SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.05
	TRAFFIC CONTROL - RAMP CLOSURE	TRAFFIC CONTROL - PEDESTRIAN ACCOMMODATION	FROZEN GROUND EROSION CONTROL	SEMI-FROZEN GROUND EROSION CONTROL	THAWED GROUND EROSION CONTROL	SITE MOBILIZATION	SEMI-PERMANENT RESTORATION
LOCATION	DAY	DAY	EACH	EACH	EACH	EACH	EACH
MINIMUM	1	1	0	0	0	1	0
EXPECTED	2	2	1	1	1	5	1
MAXIMUM	5	5	10	10	10	10	10



5

5

PROJECT NO: 3742-03-71	HWY: N TEUTONIA AVE	COUNTY: MILWAUKEE	CLEARING PLAN - SITE 2	SHEET 15	E

FILE NAME : K:\201682_TEUTONIA AVE BRIDGE\3.0 DELIVERABLES\3.02 ROADWAY\AUTOCAD\SHEETSOTHER\050101-PP-TREE CLEARING PLAN.DWG
LAYOUT NAME - 01
PLOT DATE : 3/13/2026 9:20 AM PLOT BY : WESTERN, JACOB PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

*FOR INFORMATION ONLY

N

W. ALLERTON AVE.

S. 67TH ST.

S. 64TH ST.

S. 68TH ST

EXISTING R/W

NOISE BARRIER
N-40-XX1

WETLAND BOUNDARY

12 14 16 18 20 22

IH 41 NB/43 SB/894 WB

150'EW' 152'EW' 154'EW' 156'EW' 158'EW' 160'EW' 162'EW'

IH 41 SB/43 NB/894 EB

PI 149+52.01'EW'

32

EXISTING R/W

MATCHLINE 163'EW'+00

5

5

REMOVAL LEGEND

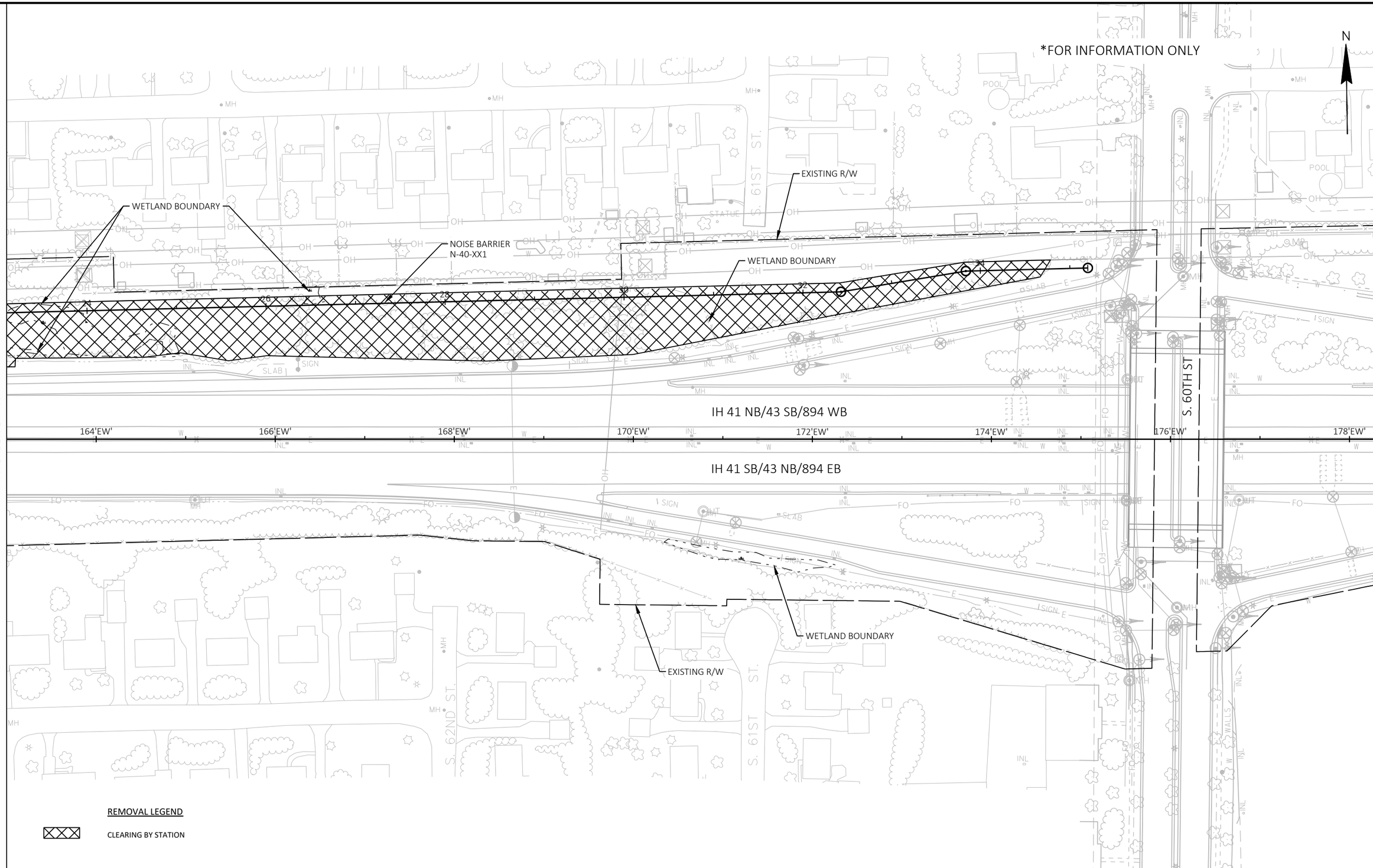
CLEARING BY STATION

PROJECT NO: 3742-03-71	HWY: IH 41	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 3	SHEET 16	E

FILE NAME : C:\PW_WORKDIR\JACOBS-US-VA-PW-02\D0312392\10901001-021101-RM.DWG
LAYOUT NAME - 03

PLOT DATE : 3/4/2026 12:33 AM PLOT BY : PACZOCHA, PAM PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



PROJECT NO: 3742-03-71	HWY: IH 41	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 3	SHEET 17	E

FILE NAME : C:\PW_WORKDIR\JACOBS-US-VA-PW-02\D0312392\10901001-021101-RM.DWG
LAYOUT NAME - 04
PLOT DATE : 3/4/2026 9:59 AM
PLOT BY : PACZOCHA, PAM
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

*FOR INFORMATION ONLY

STH 36/W. LOOMIS RD

EP: 229+47.79'EW'
BP: 229+47.79'EW'

IH 41 NB/43 SB/894 WB

IH 41 SB/43 NB/894 EB

PC: 234+74.23'EWE'

PT: 243+83.78'EWE'

MATCHLINE STA 244+00EWE

230'EWE'
232'EWE'
234'EWE'
236'EWE'
238'EWE'
240'EWE'
242'EWE'

12
14
16
18
20
22

NOISE BARRIER
N-40-XX2

EXISTING R/W

REMOVAL LEGEND

CLEARING BY STATION

REMOVING FENCE

5

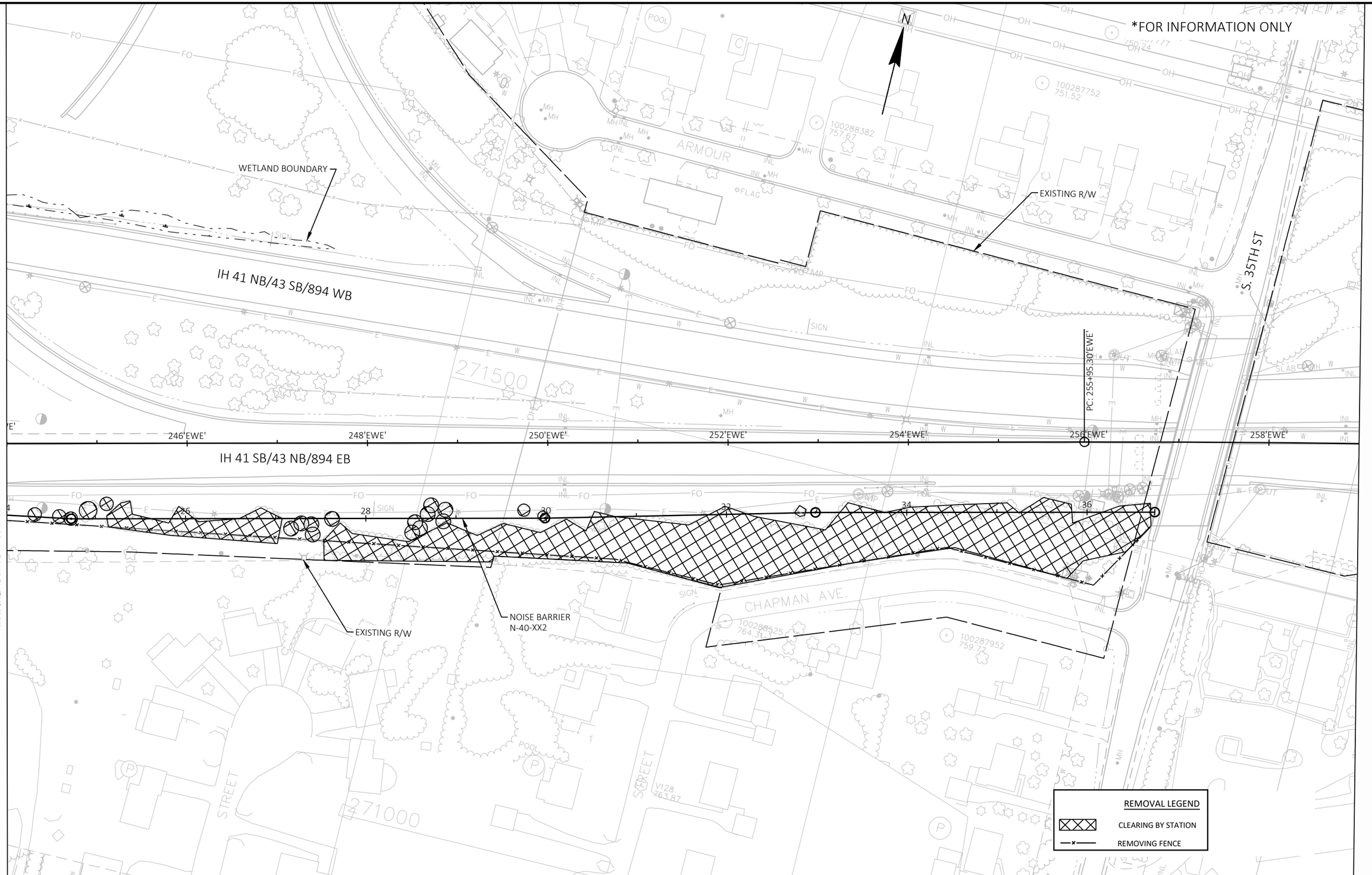
5

PROJECT NO: 3742-03-71	HWY: IH 41	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 3	SHEET 18	E

FILE NAME : C:\PW_WORKDIR\JACOBS-US-VA-PW-02\D0312392\10901001-021101-RM.DWG
LAYOUT NAME - 09

PLOT DATE : 3/4/2026 10:25 AM PLOT BY : PACZOCHA, PAM PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3742-03-71	HWY: IH 41	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 3	SHEET 19	E

FILE NAME : C:\PW_WORKDIR\JACOBS-US-VA-PW-02\D0312392\10901001-021101-RM.DWG
LAYOUT NAME - 10
PLOT DATE : 3/4/2026 10:31 AM
PLOT BY : PACZOCHA, PAM
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

*FOR INFORMATION ONLY

N

RUSSELL W HAEFEMEYER

JENNIFER L RENO

BONNIE LN

MVS HOLDINGS LLC

SLOPE INTERCEPT (TYP.)

STH 145/FOND DU LAC AVE

R/W

TLE

PLE

22 24 26 28 30 32 34 36

BEGIN CONSTRUCTION
BEGIN PROJECT
STA 21+49.00
Y=95,083.551
X=390,682.586

WASTE MANAGEMENT OF WI

5

5

WARREN STREET INDUSTRIAL LLC

WARREN ST

WASTE MANAGEMENT OF WISCONSIN

N

HIGHWAY EASEMENT

SLOPE INTERCEPT (TYP.)

R/W

STH 145/FOND DU LAC AVE

MATCH LINE 36+50

38 40 42 44 46 48 50

MATCH LINE 51+50

HIGHWAY EASEMENT

R/W

WASTE MANAGEMENT OF WI INC

WASTE MANAGEMENT OF WI

LEGEND

CLEARING

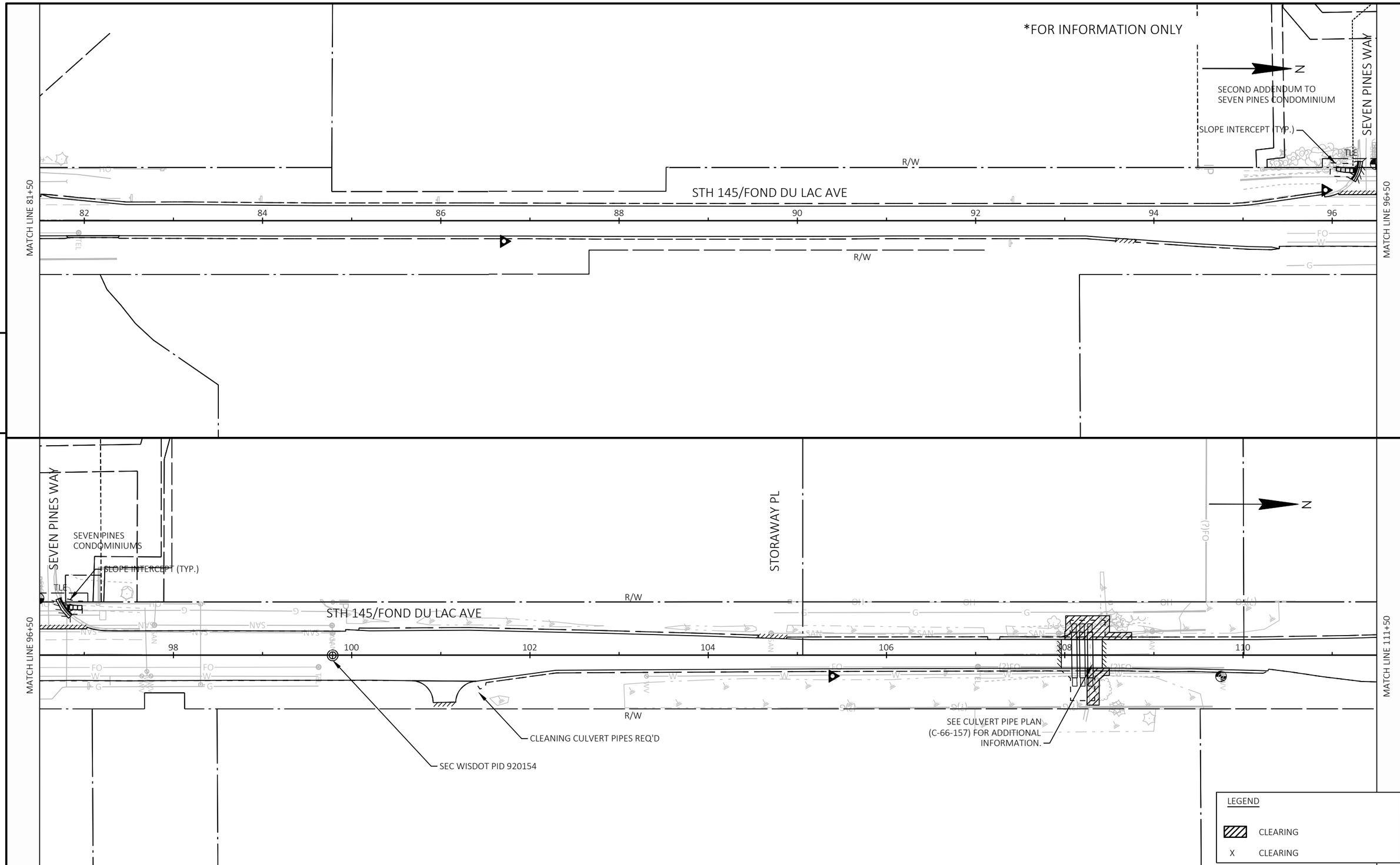
X CLEARING

PROJECT NO: 3742-03-71	HWY: STH 145	COUNTY: WASHINGTON/WAUKESHA	CLEARING PLANS - SITE 15	SHEET 20	E

FILE NAME : S:\MIL\2000--2099\2089\022\DRAWINGS\CAD\24750871\SHEETS\050201-PN.DWG
LAYOUT NAME - 050201-pn

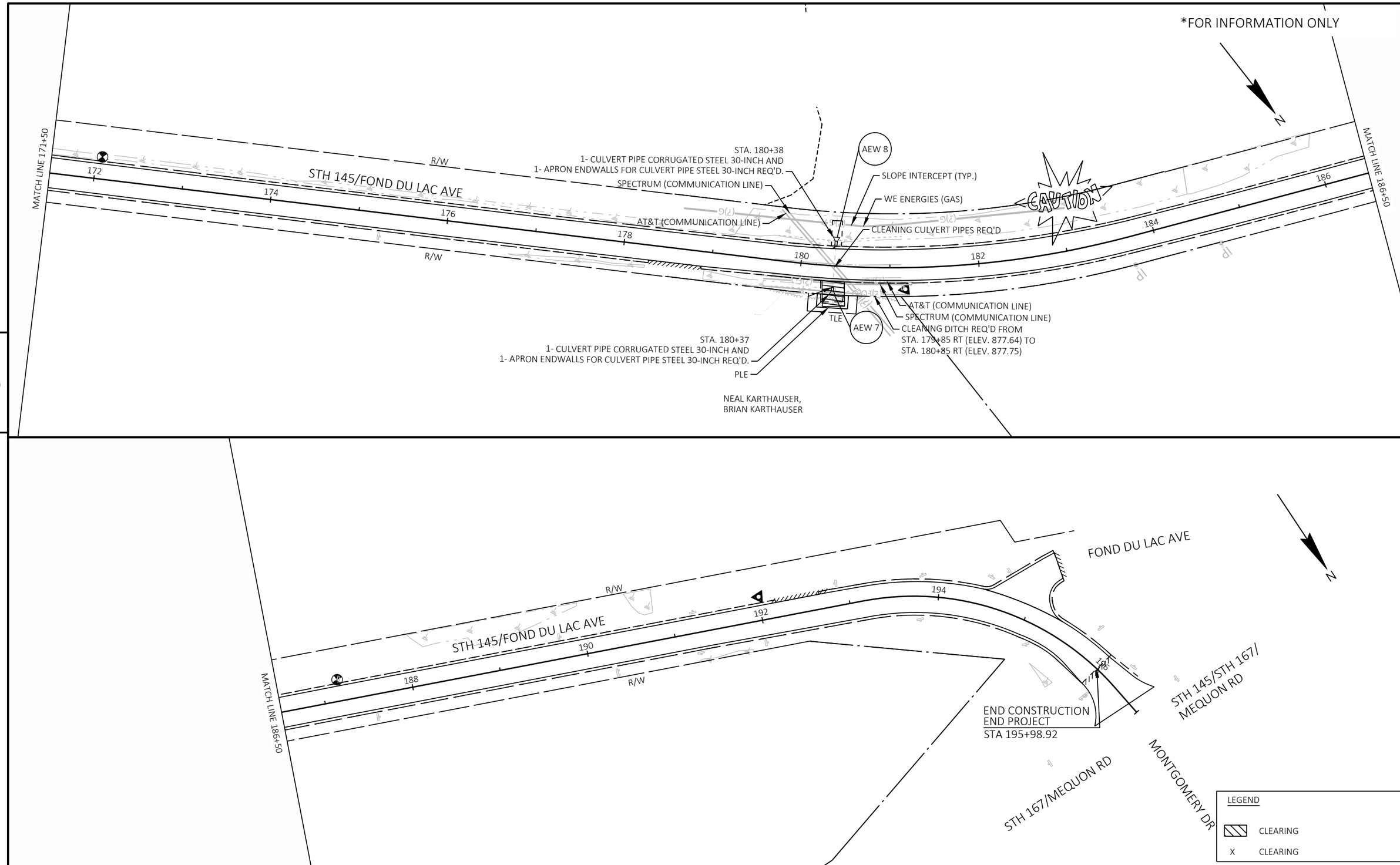
PLOT DATE : 5/6/2025 2:40 PM PLOT BY : OVERSTREET, JOELY PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3742-03-71	HWY: STH 145	COUNTY: WASHINGTON/WAUKESHA	CLEARING PLANS - SITE 15	SHEET 21	E

FILE NAME : S:\MIL\2000--2099\2089\022\DRAWINGS\CAD\24750871\SHEETS\050201-PN.DWG
LAYOUT NAME - 050203-pn
PLOT DATE : 5/6/2025 2:40 PM
PLOT BY : OVERSTREET, JOELY
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3742-03-71	HWY: STH 145	COUNTY: WASHINGTON/WAUKESHA	CLEARING PLANS - SITE 15	SHEET 22	E

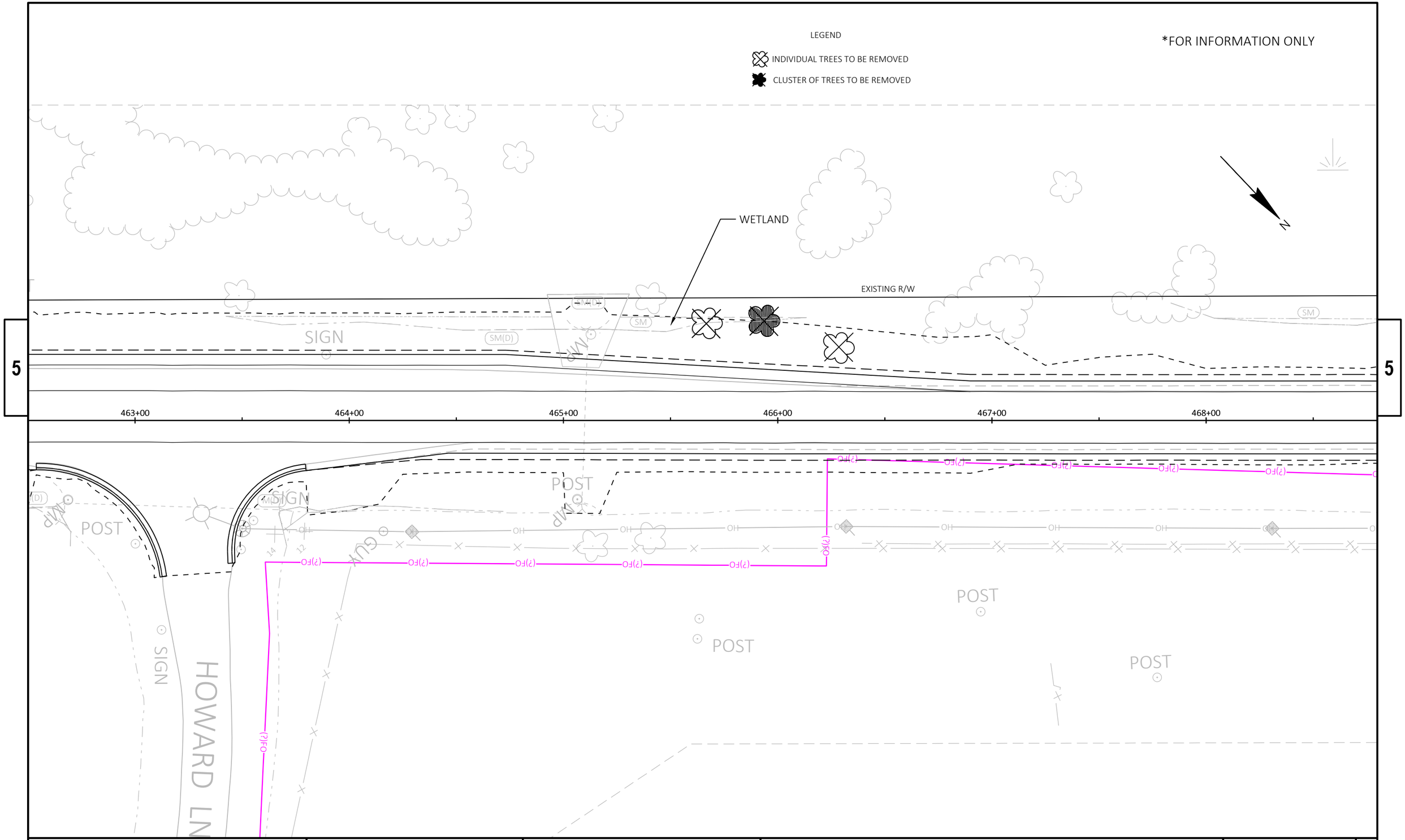
FILE NAME : S:\MIL\2000--2099\2089\022\DRAWINGS\CAD\24750871\SHEETS\050201-PN.DWG
LAYOUT NAME - 050206-pn
PLOT DATE : 5/6/2025 2:40 PM PLOT BY : OVERSTREET, JOELY PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

LEGEND

INDIVIDUAL TREES TO BE REMOVED

CLUSTER OF TREES TO BE REMOVED

*FOR INFORMATION ONLY

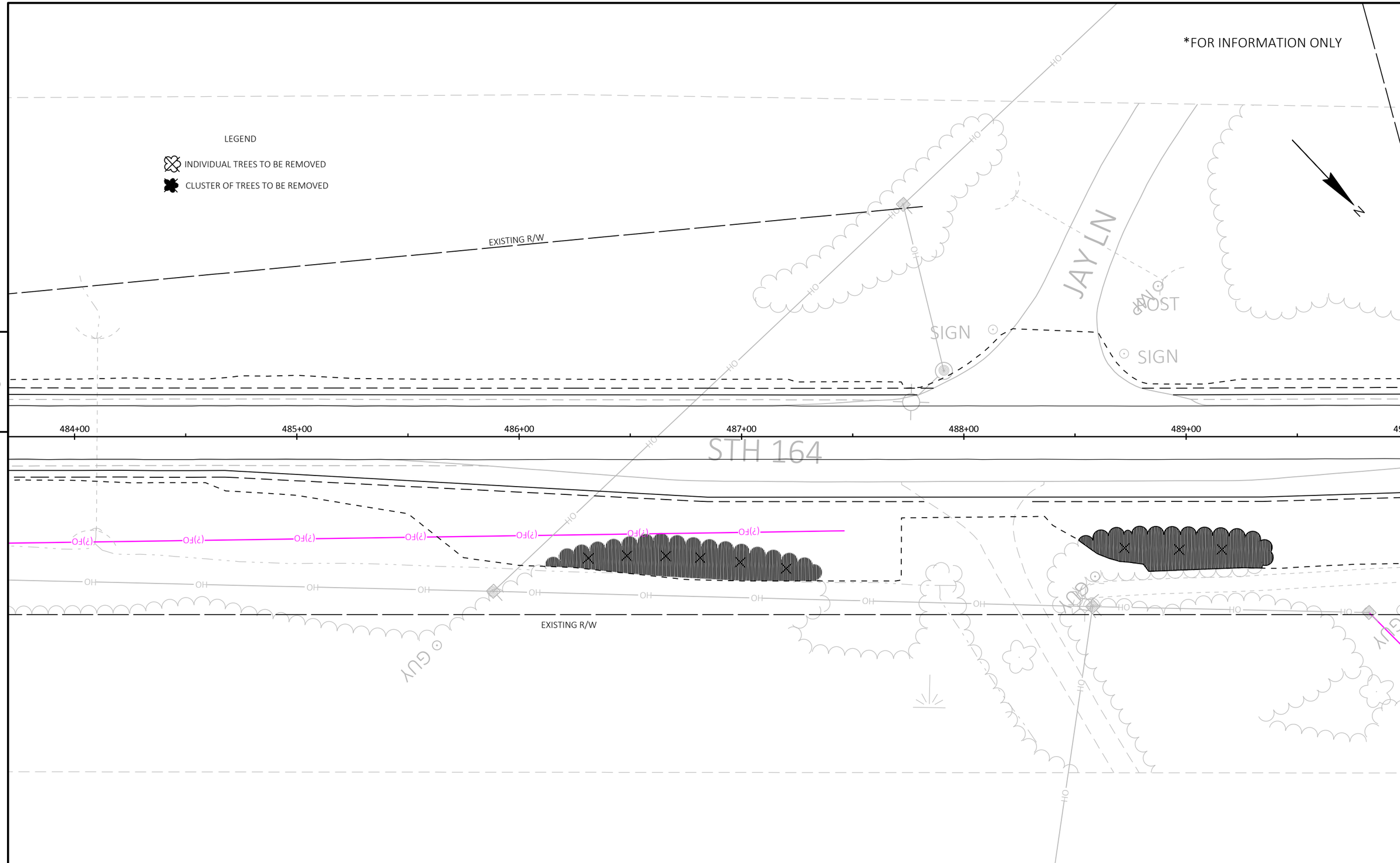


PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 23	E

FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 01

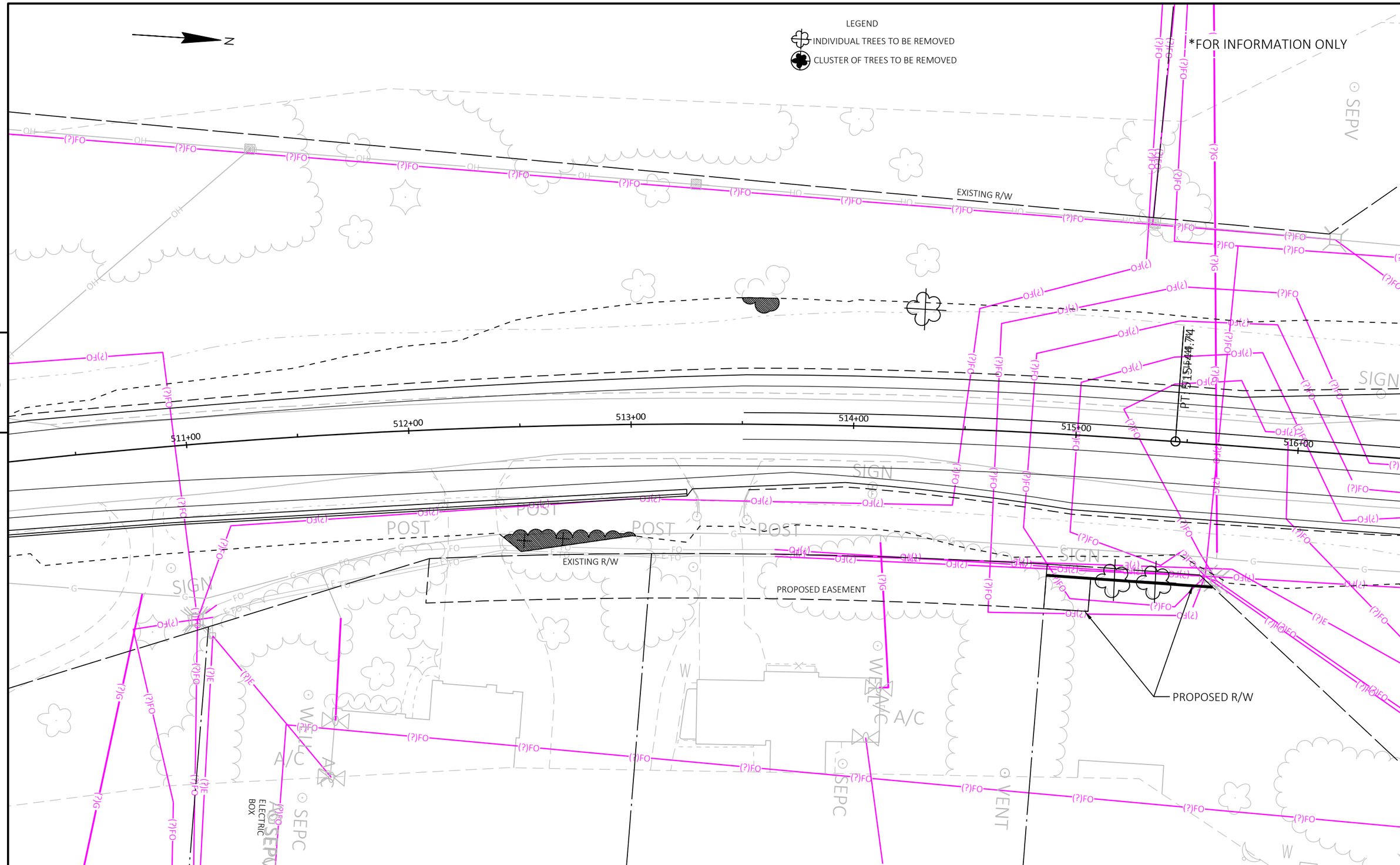
PLOT DATE : 6/11/2026 11:49 AM PLOT BY : MARSHALL, DAWN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 24	E

FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 02
PLOT DATE : 6/11/2026 10:50 AM
PLOT BY : MARSHALL, DAWN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 25	E

FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 03
PLOT DATE : 6/11/2026 10:50 AM
PLOT BY : MARSHALL, DAWN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

*FOR INFORMATION ONLY

N

EXISTING R/W

EXISTING R/W

STH 164

516+00

517+00

518+00

519+00

520+00

521+00

5+50.00

6+00.00

6+50.00

7+00.00

7+50.00

8+00.00

8+50.00

9+00.00

LEGEND

INDIVIDUAL TREES TO BE REMOVED

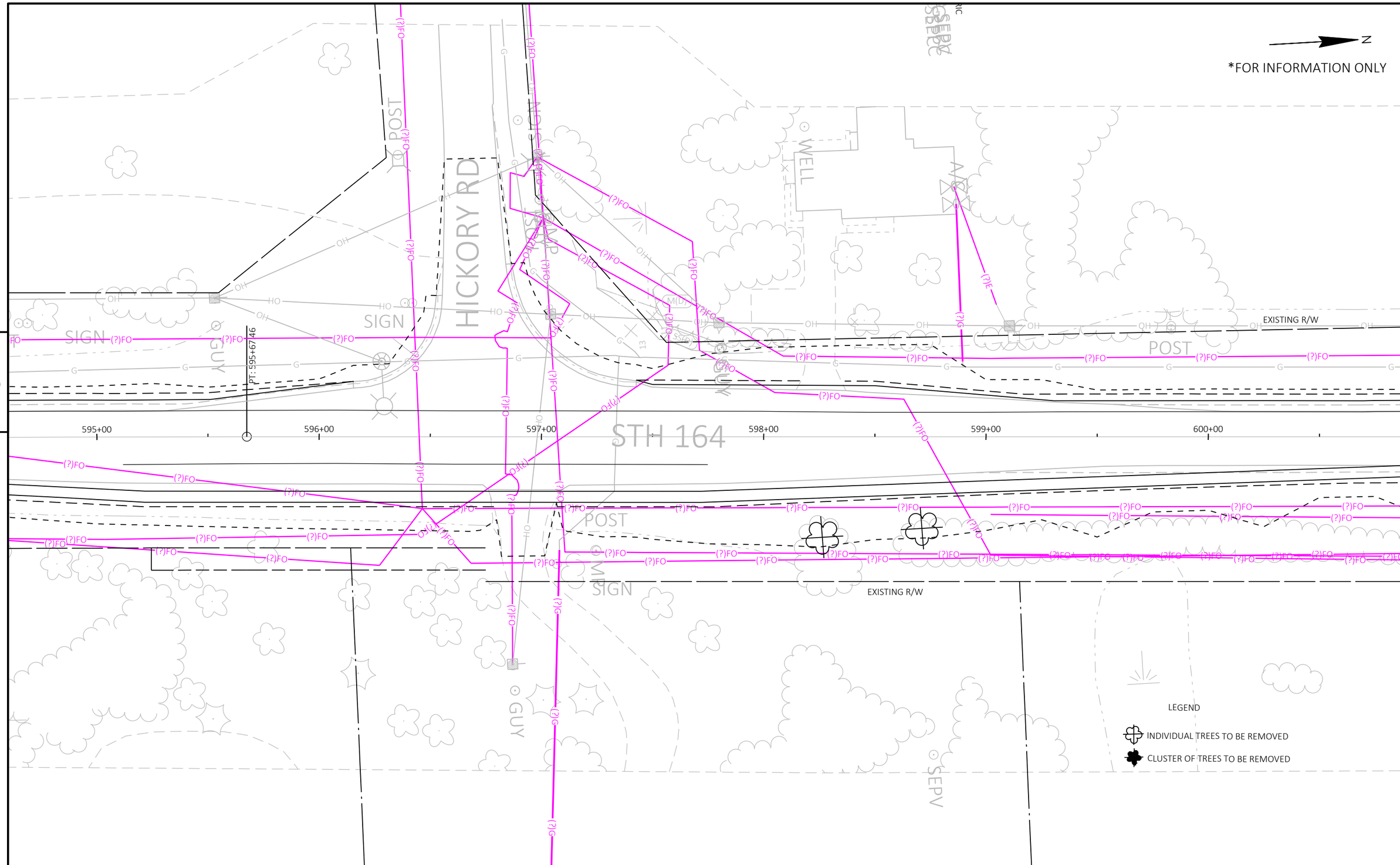
CLUSTER OF TREES TO BE REMOVED

PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 26	E

FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 04

PLOT DATE : 6/11/2026 10:51 AM PLOT BY : MARSHALL, DAWN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 27	E

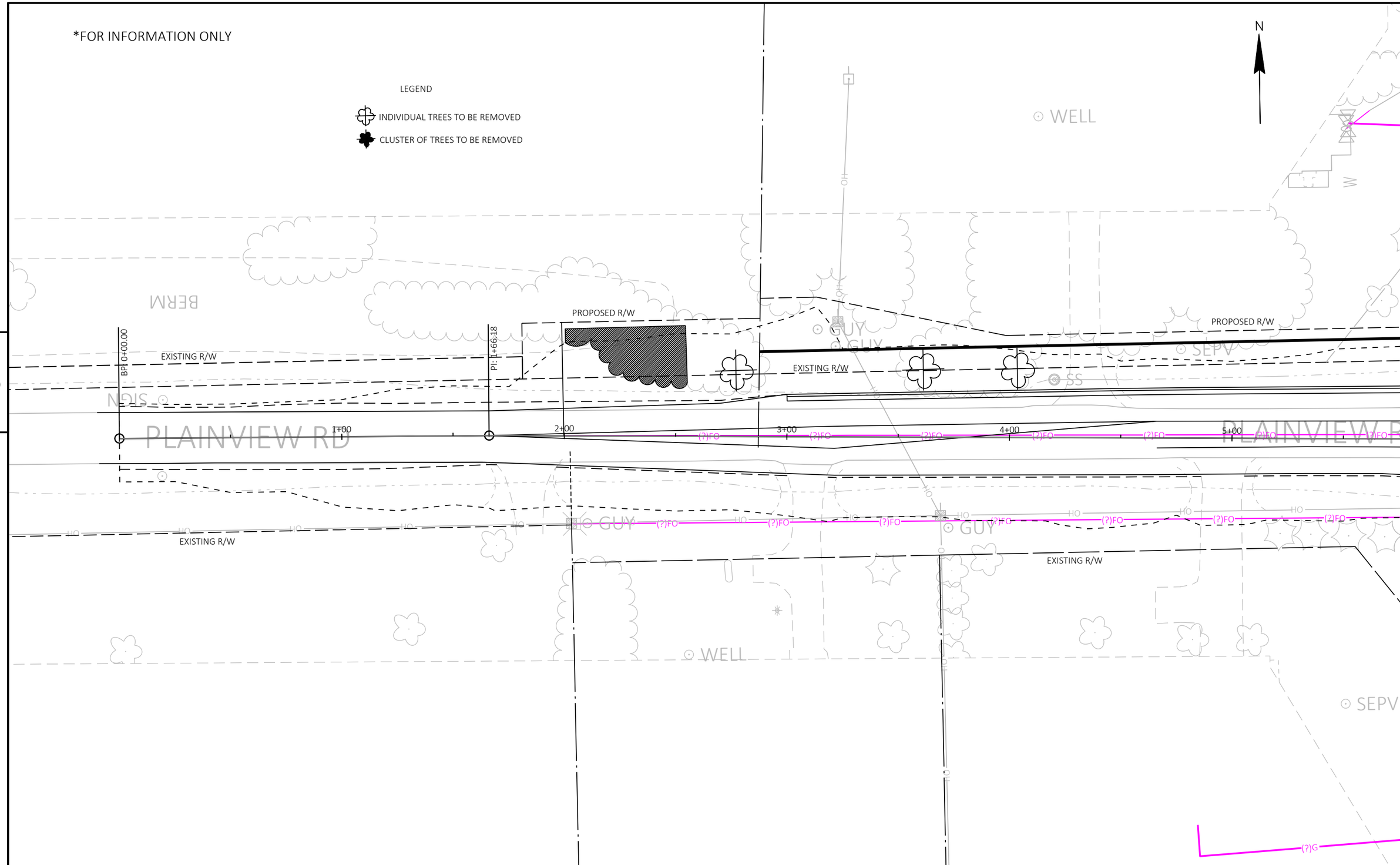
FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 05
PLOT DATE : 6/24/2026 4:02 PM
PLOT BY : BASS, ZORRIS L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

*FOR INFORMATION ONLY

LEGEND

INDIVIDUAL TREES TO BE REMOVED

CLUSTER OF TREES TO BE REMOVED



PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 28	E

FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 06
PLOT DATE : 6/11/2026 10:51 AM
PLOT BY : MARSHALL, DAWN L
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

*FOR INFORMATION ONLY

LEGEND

INDIVIDUAL TREES TO BE REMOVED

CLUSTER OF TREES TO BE REMOVED

N

5

PROPOSED R/W

EXISTING R/W

9+00

10+00

11+00

12+00

13+00

14+00

BP: 13+20.50

EP: 14+36.55

PLAINVIEW RD

SIGN

GUY

WELL

EXISTING R/W

PROPOSED EASEMENT

EXISTING R/W

PROJECT NO: 3742-03-71	HWY: STH 164	COUNTY: WAUKESHA	CLEARING PLANS - SITE 16	SHEET 29	E

FILE NAME : N:\PDS\C3D\23700005\SHEETSOTHER\23700076_TREECLEARING.DWG
LAYOUT NAME - 07

PLOT DATE : 6/11/2026 10:51 AM PLOT BY : MARSHALL, DAWN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

*FOR INFORMATION ONLY

CTH PP/GOOD HOPE RD

BEGIN PROJECT
STA 33+00.00
Y=339,782.489
X=598,231.990

BEGIN CONSTRUCTION
STA 30+64.38

TCF BANK

CITY OF GLENDALE (SANITARY)

AT&T (COMMUNICATION)

WE ENERGIES (ELECTRIC)

CITY OF GLENDALE (WATER)

WE ENERGIES (GAS)

WETLAND BOUNDARY (TYP.)

JOHN M. FLYNN REVOCABLE TRUST

CHARLES COLLINS

JOAN E. HERSCHBERG

ROBERT F. STEINGART

CONSTRUCT PE
STA. 41+73.64 LT

STH 57/GREEN BAY AVE

CAUTION

SLOPE INTERCEPT (TYP.)

CITY OF GLENDALE (SANITARY)

GLENDALE GPS
DO NOT DISTURB

CHARTER (COMMUNICATION)

JAIME ENSALDO LOPEZ

GERALDINE JONES-MANTYH

NANCY J. HINKES

DAVID BARNA

SILVIA ILEANA RAMIREZ SUAREZ

THERESA LA LICATA REVOC. TRUST

REMOVING FENCE REQ'D

EXCAVATION STONE PILES AND STONE FENCES REQ'D

FAIRLANE AVE

STEVEN FOX

RICHARD A BROCK

ERIC K. BUCHMANN

RICHARD J. HOLLAND

CONSTRUCT CE
STA. 33+30.63 RT

CONSTRUCT PE
STA. 34+13.80 RT

CONSTRUCT PE
STA. 35+08.88 RT

CONSTRUCT PE
STA. 38+51.39 RT

LEGEND
CLEARING

MATCH LINE 43+00

5

CONSTRUCT PE
STA. 43+70.36 LT

HEMLOCK RD

VOGELER LIVING TRUST

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

DANIEL S MULCAHY

RANDAL N. & JANET G. ARNOLD

JAMES E. BURACZEWSKI

WE ENERGIES (ELECTRIC)

AT&T (COMMUNICATION)

CITY OF GLENDALE (WATER)

THOMAS A. GENSKE

MICHAEL J. SEBERN

DAVID & DANA ROBBINS

WENDING DR

JIAJIE TONG

TODD A. FELDBRUEGGE

STH 57/GREEN BAY AVE

PATRICK A. WILLIS

STEFAN C. KARTMAN

FLOYD A. HARRIS

KAREN DOTSON

KAREN G. WOOD

MICHELLE N. SOLOMON

RICHARD K. MUELLER

JACK R. EDELSTEIN

MICHAEL P. & PHYLLIS A. MC DEVITT

JOSEPH W. & WENDY G. SCHERWENKA

ALVIN D. & MARTHA A. STARAL

LISA WEBER

REMOVING FENCE REQ'D (WITHIN R/W)

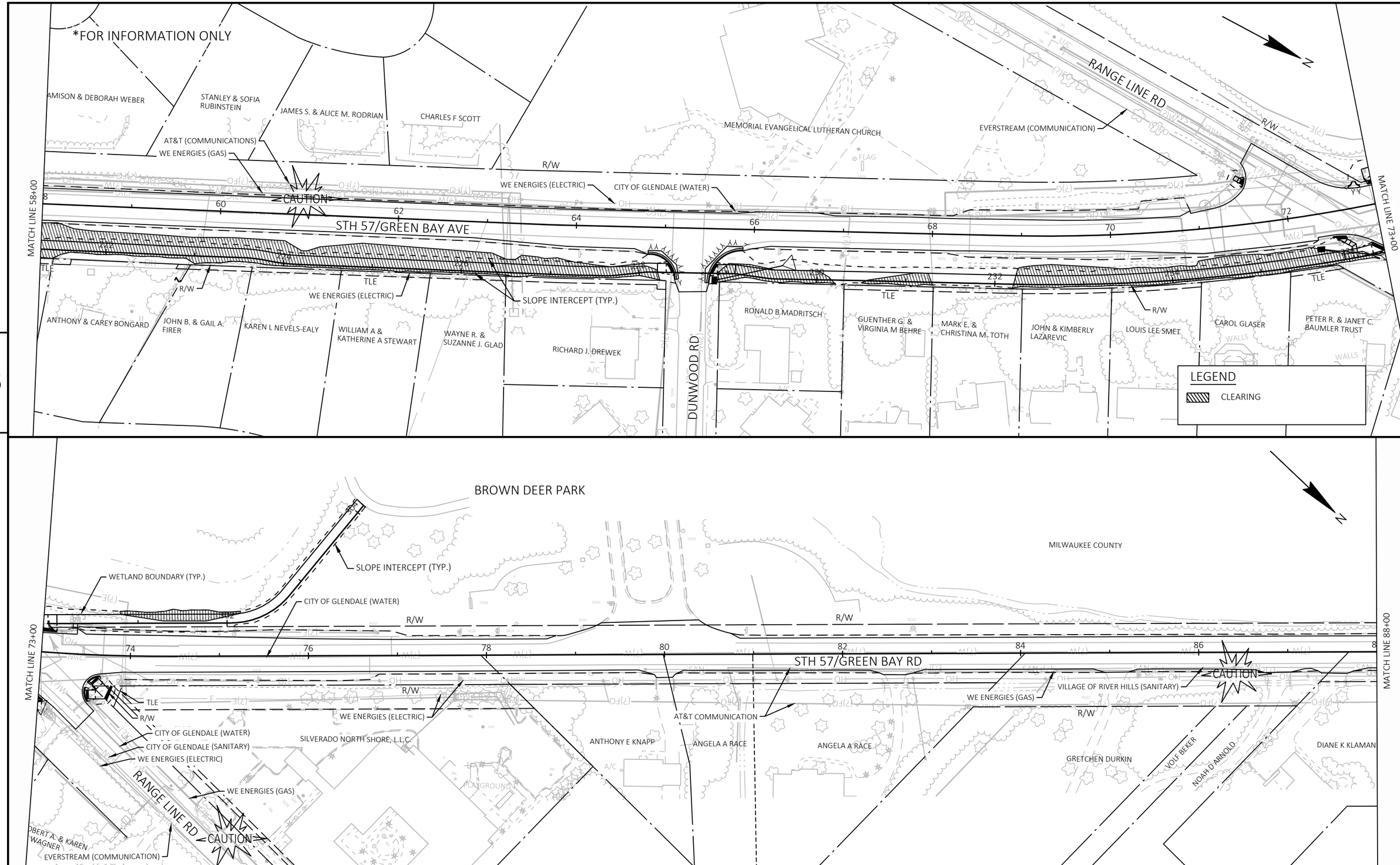
EXCAVATION STONE PILES AND STONE FENCES REQ'D (WITHIN R/W)

ABANDONED CISTERN TO REMAIN

MATCH LINE 58+00

PROJECT NO: 3742-03-71	HWY: STH 57	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 17	SHEET 30	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021061-cd
PLOT DATE : 4/29/2026 1:25 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 3742-03-71	HWY: STH 57	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 17	SHEET 31	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021062-cd
PLOT DATE : 4/29/2026 1:26 PM PLOT BY : SADOWSKI, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

*FOR INFORMATION ONLY

VILLAGE OF RIVER HILLS (SANITARY)
HAI YUN LU
MGS GUARDRAIL 3 REQ'D SEE GUARDRAIL LAYOUT DETAILS FOR ADDITIONAL INFORMATION
ODIN P PAYNE
ODIN D PAYNE
BARBARA M NEVILLE
VILLAGE OF BROWN DEER (WATER)
PELICAN LN
CITY OF GLENDALE (WATER)
R/W
SLOPE INTERCEPT (TYP.)
MATCH LINE 88+00
MATCH LINE 103+00
90
92
94
96
98
100
102
STH 57/GREEN BAY RD
CAUTION
AT&T (COMMUNICATION)
VILLAGE F RIVER HILLS (SANITARY)
PRECISE UNDERGROUND (COMMUNICATION)
NICK AND KATHERINE WOODS
BRADLEY D VOLLMER
TLE
STRUCTURE C-40-078 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)
SLOPE INTERCEPT (TYP.)
WE ENERGIES (GAS)
WE ENERGIES (ELECTRIC)
AT&T (COMMUNICATION)
WETLAND BOUNDARY (TYP.)
SCOTT A KAMELLE
SAQIB MASROOR
EVERSTREAM (COMMUNICATION)
BRADLEY RD
AT&T (COMMUNICATION)
LEGEND
CLEARING
5
5
THEODORA SKODRAS
ALFRED E MOSES
BRUCE B WILLKOMM
JUDITH MASZK
SHARONDA Y SHARP
PARBS WILLIAM E & PATRICIA E REV TRUST
TRACY L APPS
MR RAMON VELAZQUEZ
JONATHAN J KRAVIT
AMBER B SCHOELLER
ANTHONY LAWRENCE
DARRYL E SMITH
TIFFANIE ACEVEDO
RICHMOND IZARD MINISTRIES INC
MARGARET M KOCH
EMMANUEL IGWIKE
KURT SIMANDL
WE ENERGIES (GAS)
SERVICE RD
CAUTION
VILLAGE OF BROWN DEER (WATER)
104
106
108
110
112
114
116
STH 57/GREEN BAY RD
WE ENERGIES (ELECTRIC)
SLOPE INTERCEPT (TYP.)
SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION
TLE
WETLAND BOUNDARY (TYP.)
RICHARD W HORSFIELD
RICHARD A PAULSEN
DARRELL L HINES

PROJECT NO: 3742-03-71	HWY: STH 57	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 17	SHEET 32	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021063-cd
PLOT DATE : 4/29/2026 1:26 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

*FOR INFORMATION ONLY

MATCH LINE 118+00

MICHAEL L HOWELL

37TH ST

R/W

MELVIN EHNERT

WE ENERGIES (GAS)

KIRCHHOFF AVE

VILLAGE OF BROWN DEER (WATER)

DAVID W RIVERS

PAVEL BORDETSKY

REM WISCONSIN II, INC

CEDARBURG RD

SHAHROOZ

WETLAND BOUNDARY (TYP.)

TLE

120

122

124

126

128

130

132

STH 57/GREEN BAY RD

CAUTION

WE ENERGIES (ELECTRIC)

SLOPE INTERCEPT (TYP.)

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

AT&T (COMMUNICATION)

MATCH LINE 133+00

PAUL AYERS

ROBERT C BRUNNER ESTATE

LEGEND

CLEARING

5

5

FARAHBAKHSH

JAMES A KOSICK

RIVER REVITALIZATION FOUNDATION INC

SEE CONSTRUCTION DETAILS-SOUTHBRANCH CREEK FOR ADDITIONAL INFORMATION

END CONSTRUCTION
STA 140+46.72

CTH D/TEUTONIA AVE

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

VILLAGE OF BROWN DEER (WATER)

WE ENERGIES (GAS)

STRUCTURE B-40-155 (SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION)

134

136

138

140

142

144

CAUTION

STH 57/GREEN BAY RD

MATCH LINE 133+00

WE ENERGIES (ELECTRIC)

GREEN BAY CT

SEE STORM SEWER PLAN FOR ADDITIONAL INFORMATION

END PROJECT
STA 137+81.52

PROJECT NO: 3742-03-71	HWY: STH 57	COUNTY: MILWAUKEE	CLEARING PLANS - SITE 17	SHEET 33	E

FILE NAME : S:\MIL\2000--2099\2089\027\DRAWINGS\CAD\AUTOCAD\25650303\SHEETS\021061-CD.DWG
LAYOUT NAME - 021064-cd
PLOT DATE : 4/29/2026 1:26 PM
PLOT BY : SADOWSKI, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

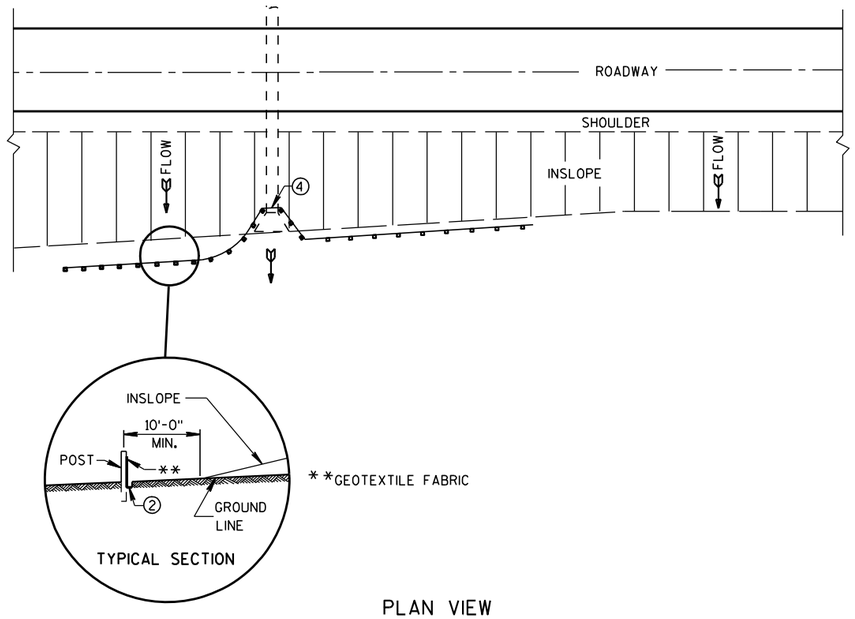
WISDOT/CADDS SHEET 42

Standard Detail Drawing List

08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
15C02-10D	ON RAMP LANE CLOSURE
15C02-10E	OFF RAMP LANE CLOSURE
15C02-10G	TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D12-16A	TRAFFIC CONTROL, LANE CLOSURE
15D16-07	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D27-05	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-05	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-12C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-12K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D49-05	TRAFFIC CONTROL, SYSTEM RAMP CLOSURE

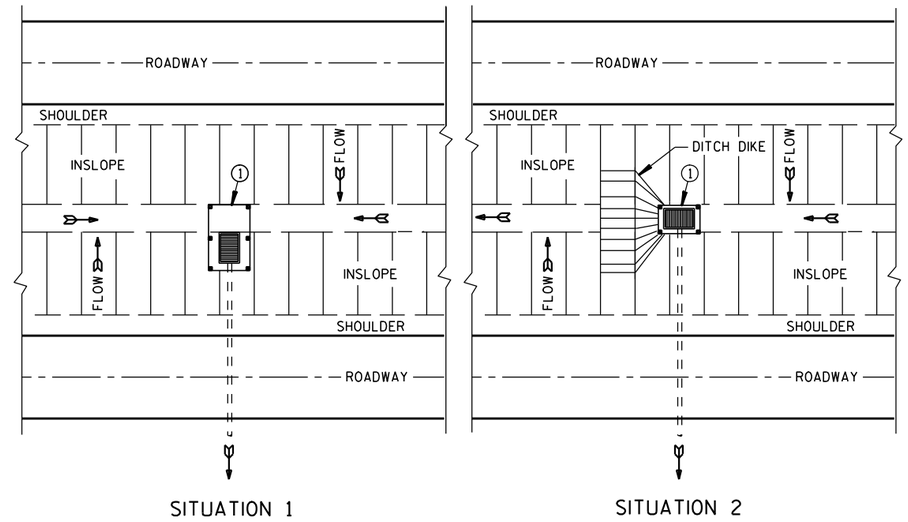
6

6



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

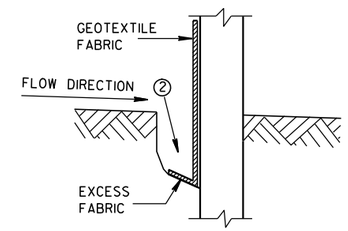
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

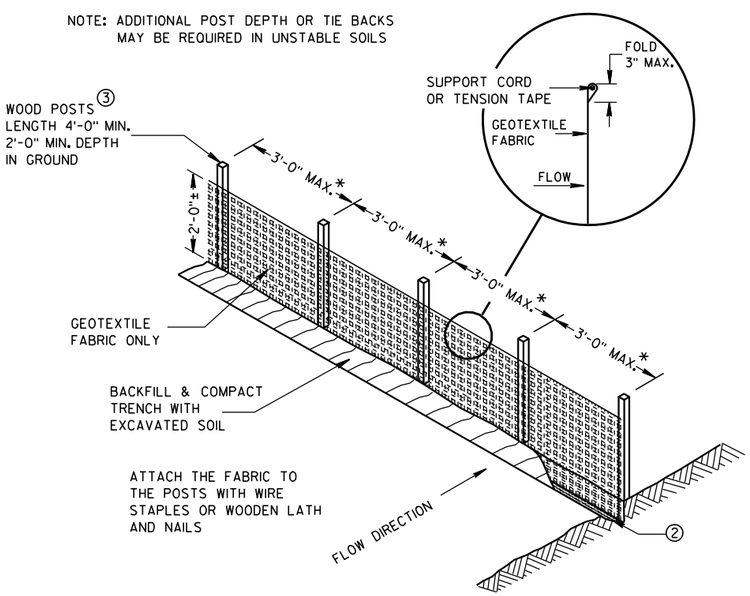
④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES. B) HOOK THE END OF EACH SILT FENCE LENGTH.



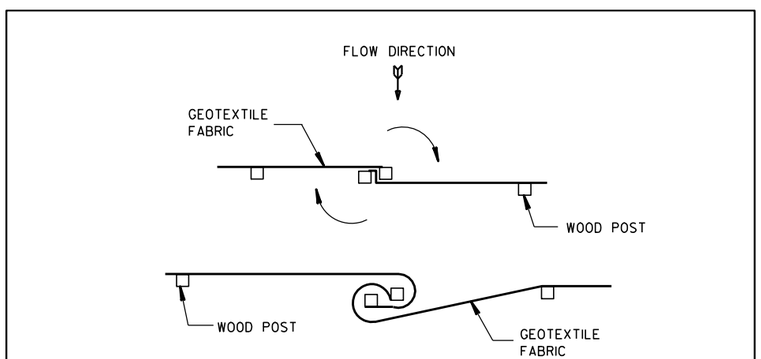
TRENCH DETAIL

NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

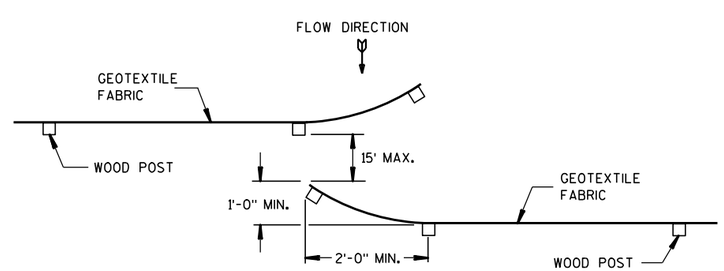


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

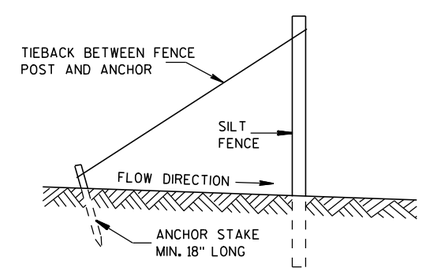


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

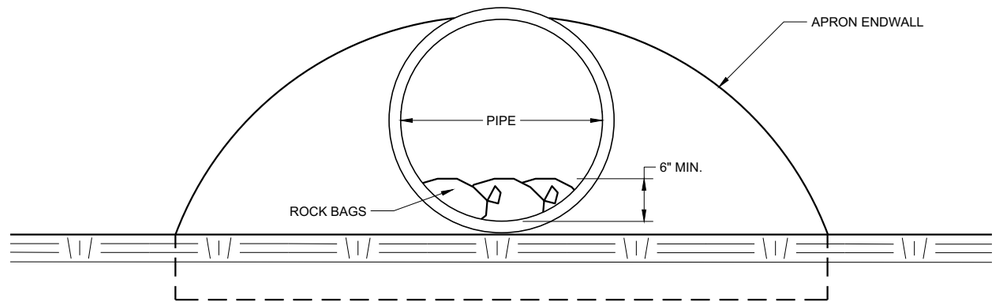
SILT FENCE
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 4-29-05 /S/ Beth Cann----- DATE CHIEF ROADWAY DEVELOP ENGINEER FHWA

6

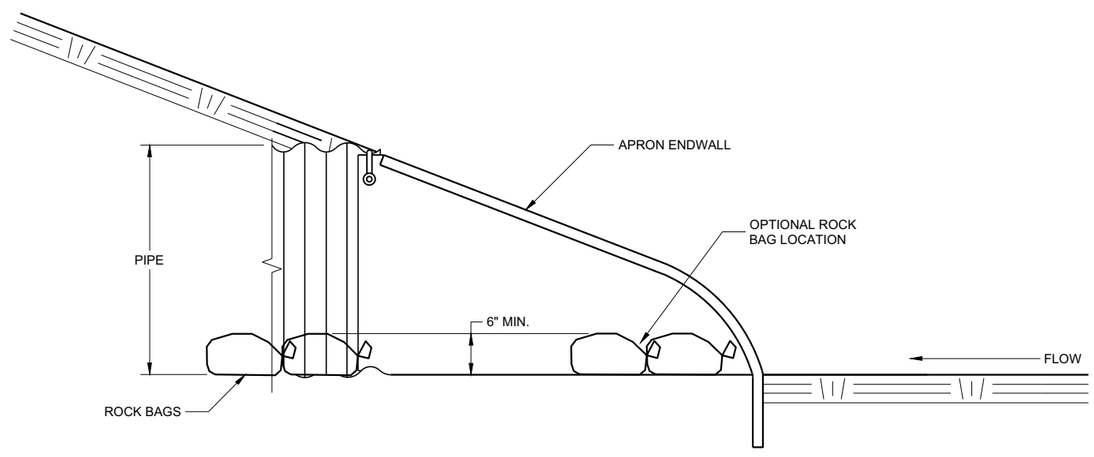
6

S.D.D. 8 E 9-6

S.D.D. 8 E 9-6



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Daniel Schave — EROSION CONTROL ENGI
FHWA

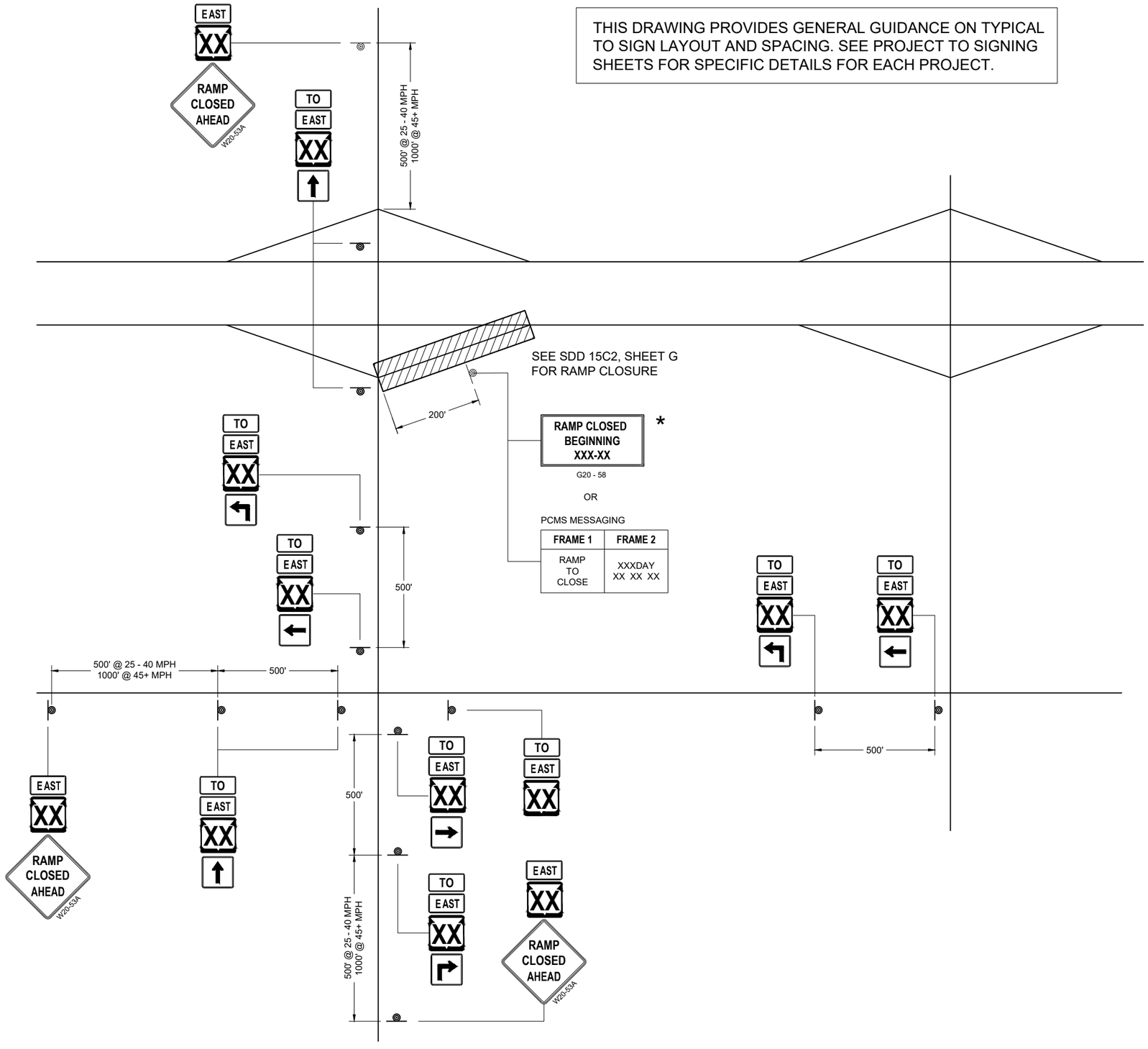
6

6

SDD 08E15 - 01

SDD 08E15 - 01

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL TO SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



LEGEND

SIGN ON PERMANENT SUPPORT

TO EAST — MO4 - 5, M3 - X

XX M1 - 6 OR XX M1 - 4 OR INTERSTATE XX M1 - 1

M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE TO ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND TO SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:
- M3 - X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 1, M1 - 4, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).
- W20 - 53A SHALL BE 48" X 48"

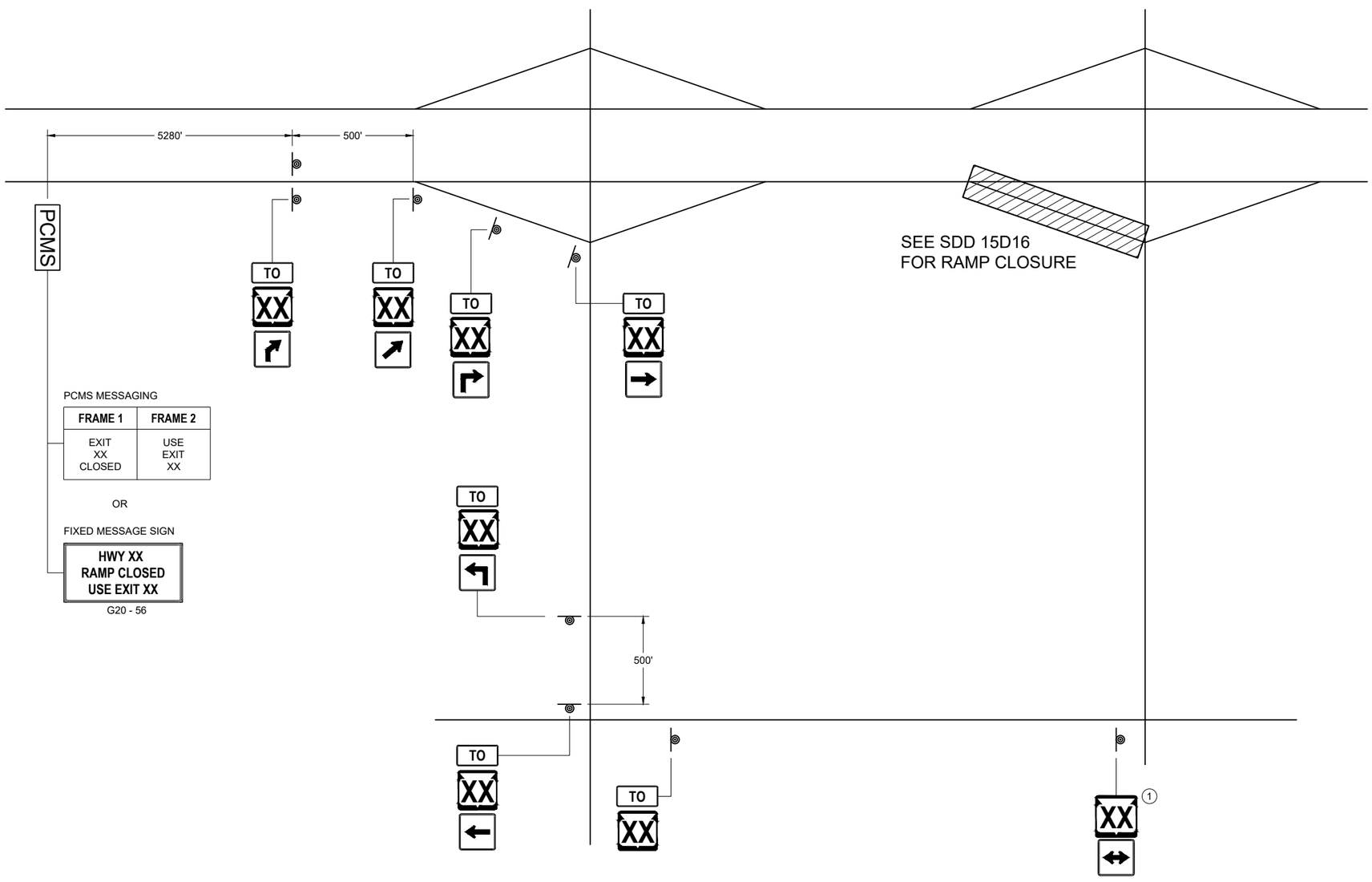
* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

ON RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL "TO" MO-4 SIGN LAYOUT AND SPACING. SEE PROJECT TO SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.



PCMS MESSAGING

FRAME 1	FRAME 2
EXIT XX CLOSED	USE EXIT XX

OR

FIXED MESSAGE SIGN

HWY XX
RAMP CLOSED
USE EXIT XX

G20 - 56

LEGEND

SIGN ON PERMANENT SUPPORT

PCMS PORTABLE CHANGEABLE MESSAGE SIGN

TO MO4 - 5

XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A

M05 - 1 OR M05 - 2 OR M06 - 1 OR M06 - 2 OR M06 - 4

GENERAL NOTES

SEE SDD 15D16 "TRAFFIC CONTROL, EXIT RAMP CLOSURE" DETAIL FOR TRAFFIC CONTROL AT EXIT RAMP CLOSURE.

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

IF THERE ARE ANY ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE "TO" MO-4 ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT TO SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND "TO" MO-4 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL " IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOW:

- MO4 - 5 SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS).
- M1 - 4, M1 - 5A, AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS).
- MO5 - 1, MO5 - 2, AND MO6 - 1, SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS).

(1) ONLY ADD IF THERE ARE NO EXISTING ROUTE MARKERS FOR THE INTERSECTING ROADWAY.

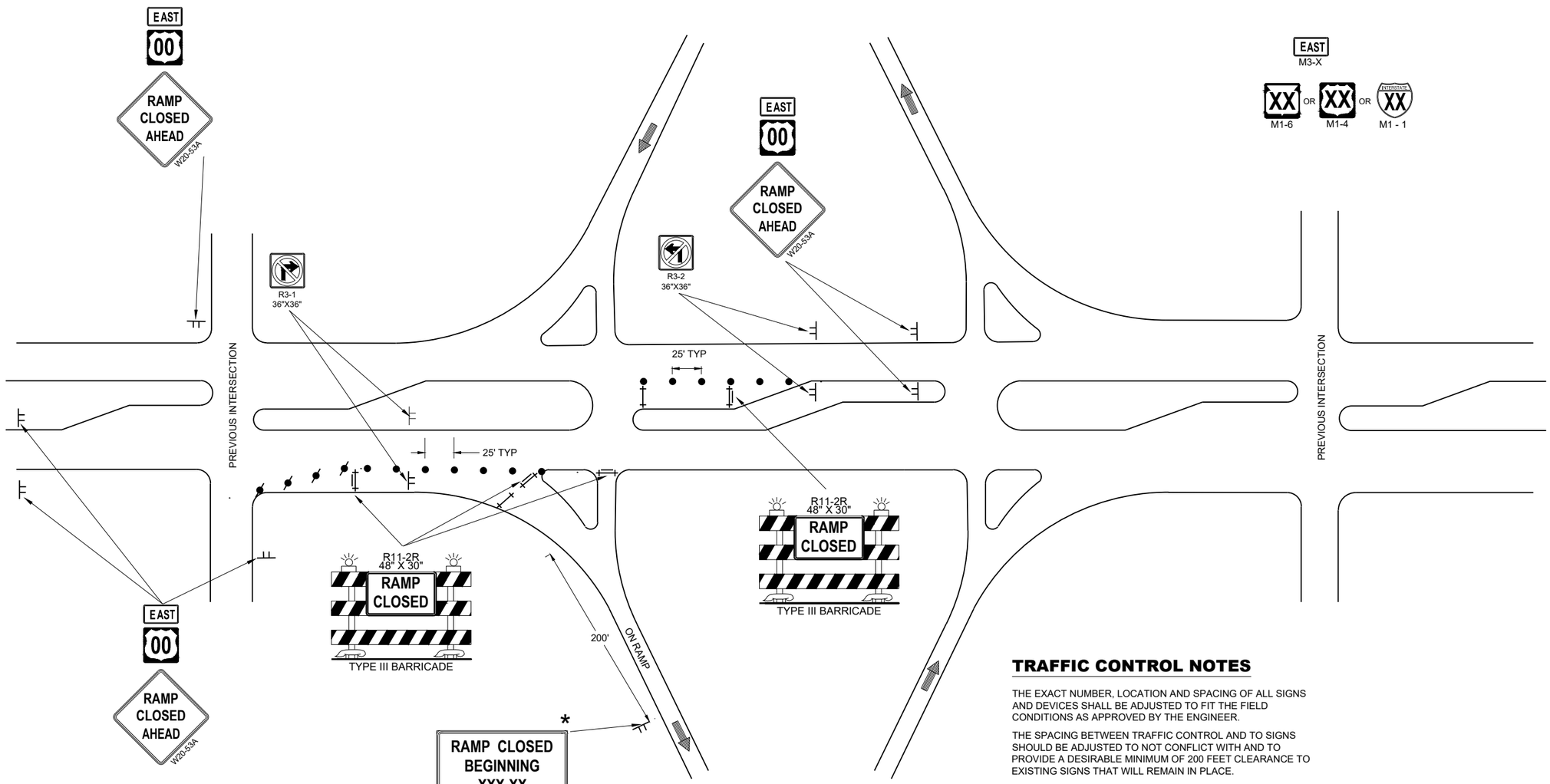
OFF RAMP LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

6
SDD 15C02-10e



OR

PCMS MESSAGING

FRAME 1	FRAME 2
RAMP TO CLOSE	XXX DAY XX XX XX

LEGEND

- ● TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL NOTES

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

THE SPACING BETWEEN TRAFFIC CONTROL AND TO SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT SHALL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

SIGN SIZES SHALL BE AS FOLLOWS:
- · M3–X SHALL BE 24"x24" (36" x18" IF NEEDED TO MATCH EXISTING SIGNS)
- · M1-1, M1-4, AND M1-6 SHALL BE 24"x24" (36"x36" IF NEEDED TO MATCH EXISTING SIGNS)
- · W20-53A SHALL BE 48"X48"

* PLACE "RAMP CLOSED BEGINNING" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR LAYOUT.

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE

TRAFFIC CONTROL FOR ENTRANCE RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

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SDD 15C02-10g

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

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

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR 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 APPROVED BY THE ENGINEER.

FLAGGING

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

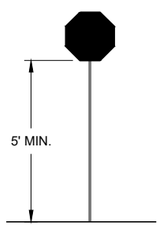
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

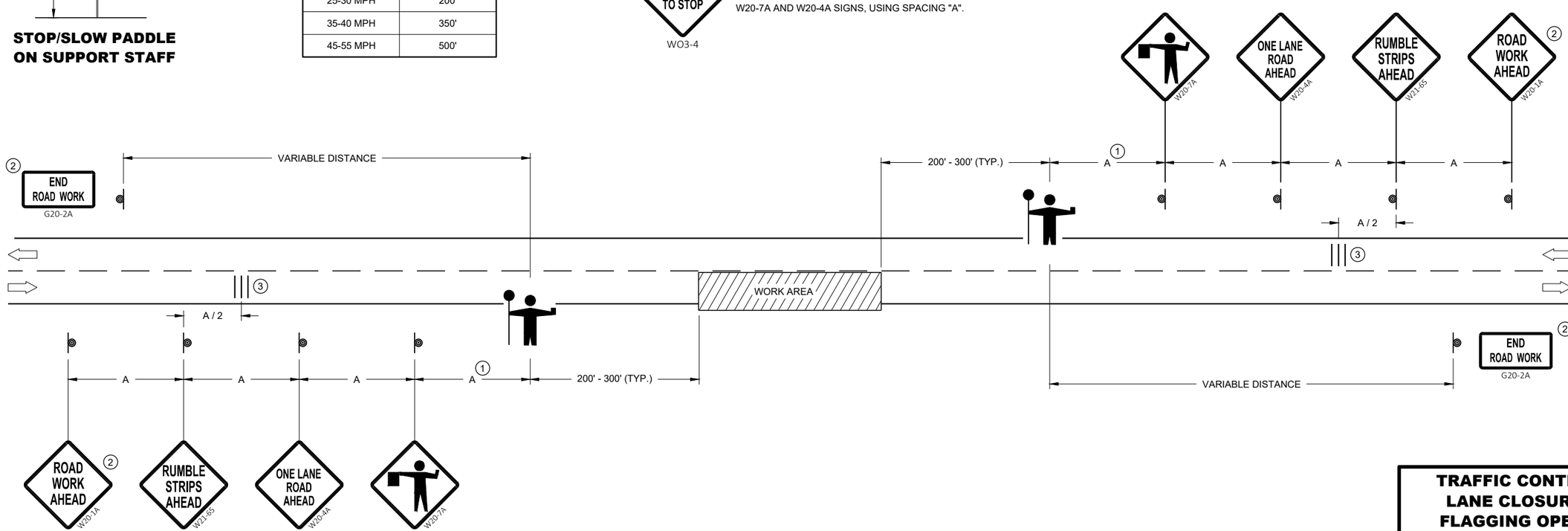


STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

6

SDD 15C12 - 09a

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.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

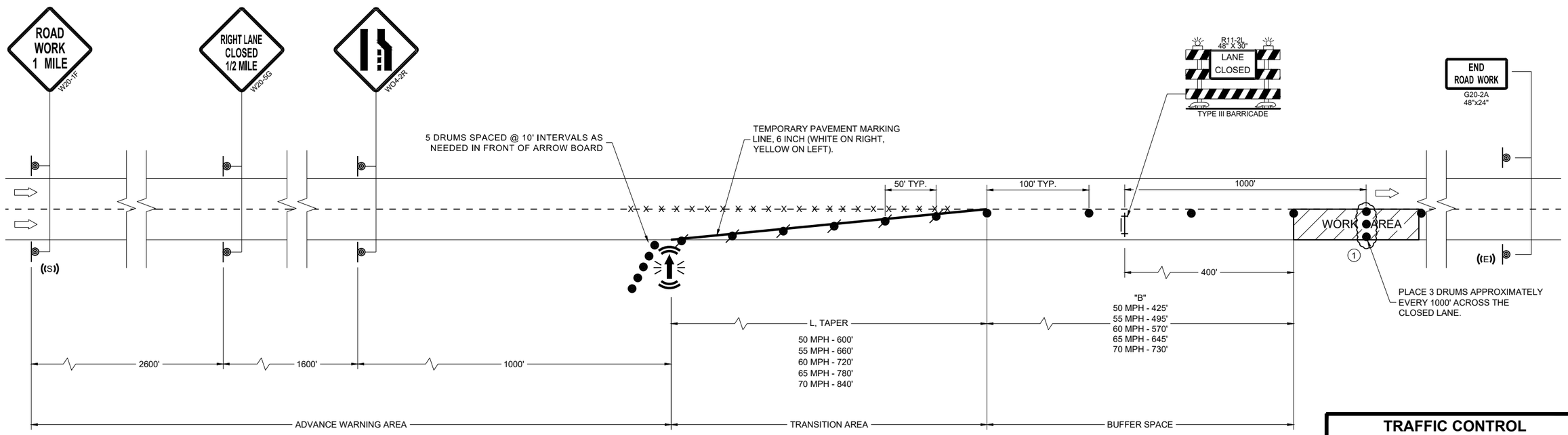
ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

(1) DRUMS IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 /S/ Andrew Heidtke
DATE ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

SDD 15D12-16a

6

SDD 15D12-16a

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

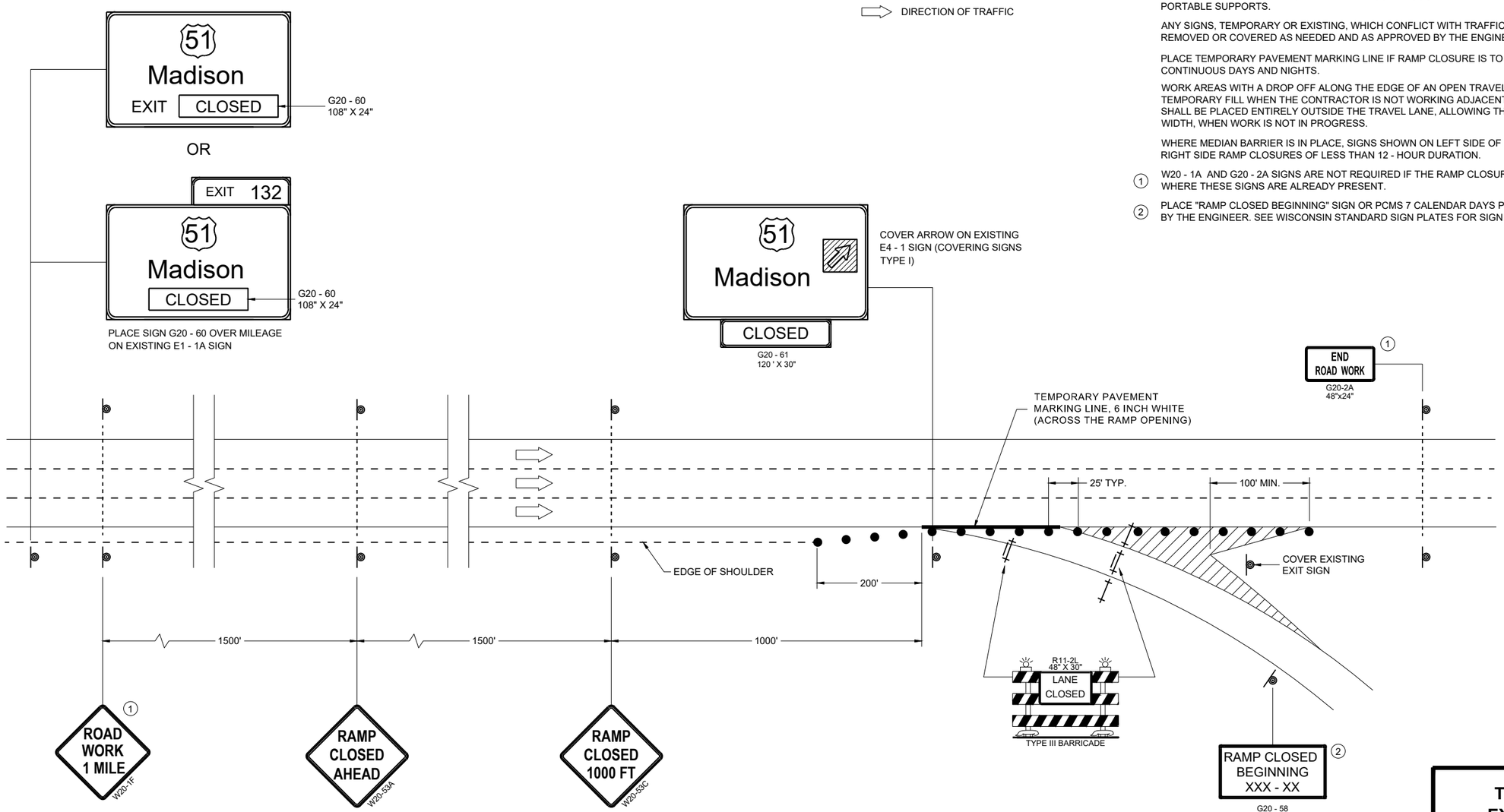
ANY SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

PLACE TEMPORARY PAVEMENT MARKING LINE IF RAMP CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROP OFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12 - HOUR DURATION.

1. W20 - 1A AND G20 - 2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.
2. PLACE "RAMP CLOSED BEGINNING" SIGN OR PCMS 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.



TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025 — DATE
/S/ Andrew Heidtke — <position>

FHWA

6
SDD 15D16-07

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- CONNECTED ARROW BOARD
- WORK AREA
- ((S)) WZ START LOCATION MARKER
- ((E)) WZ END LOCATION MARKER

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

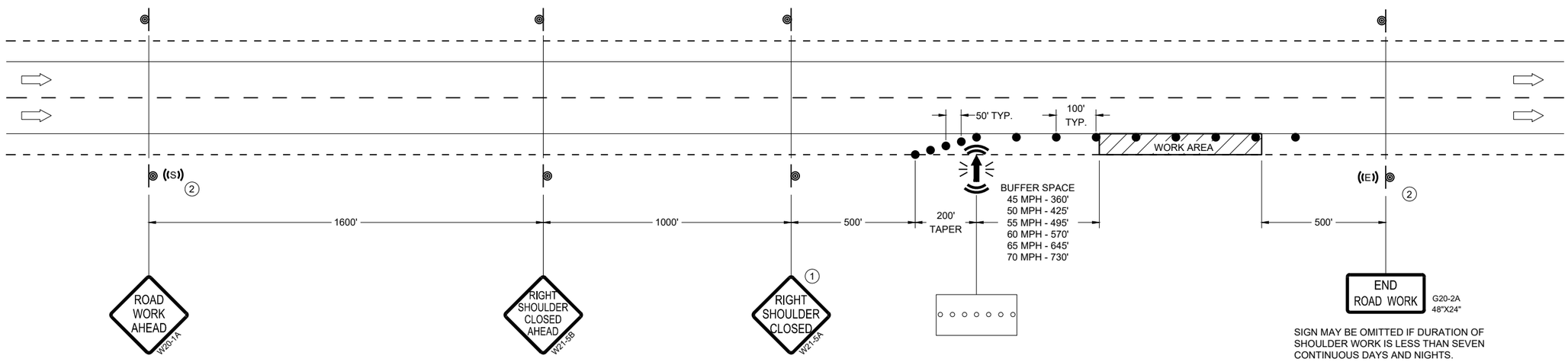
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

(1) FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR THE W21-5A SIGN MAY BE OMITTED.

(2) IF ALREADY PRESENT WITHIN PROJECT , DO NOT INCLUDE ADDITIONAL DEVICE.



TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Noveber 2025 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6
SDD 15D27-05

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

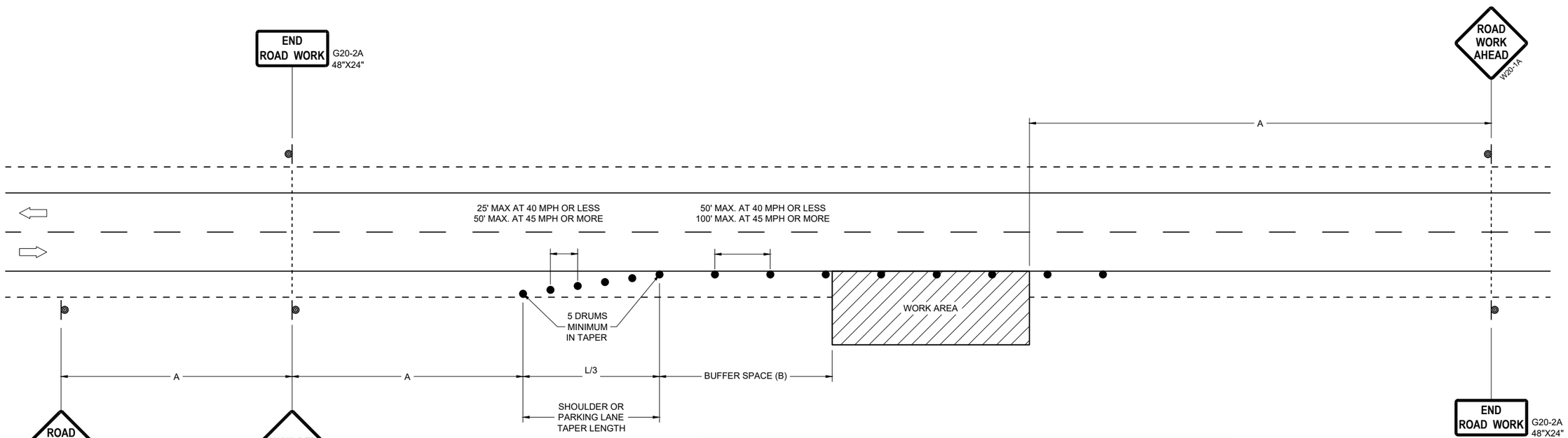
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



OR
IF TRAFFIC CONTROL DEVICES
ENCROACH ONTO TRAVELED WAY, USE

ROAD NARROWS
WO5-1

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	155
30	200'	15	20	25	30	35	40	200
35	350'	20	27	34	40	47	54	250
40	350'	26	35	44	53	62	70	305
45	500'	45	59	74	89	104	119	360
50	500'	50	66	83	99	116	132	425
55	500'	54	73	91	109	127	145	495

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

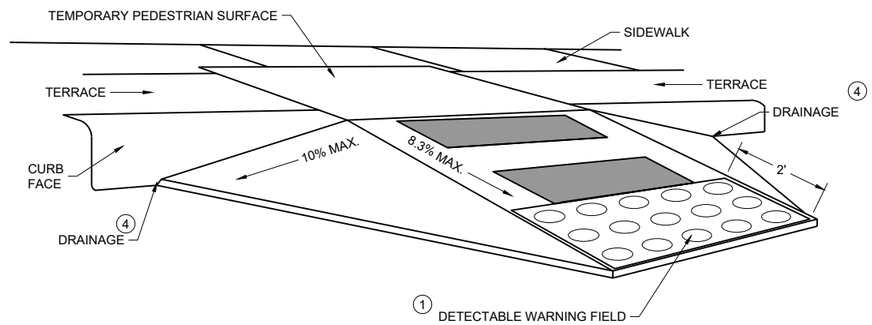
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2025
DATE

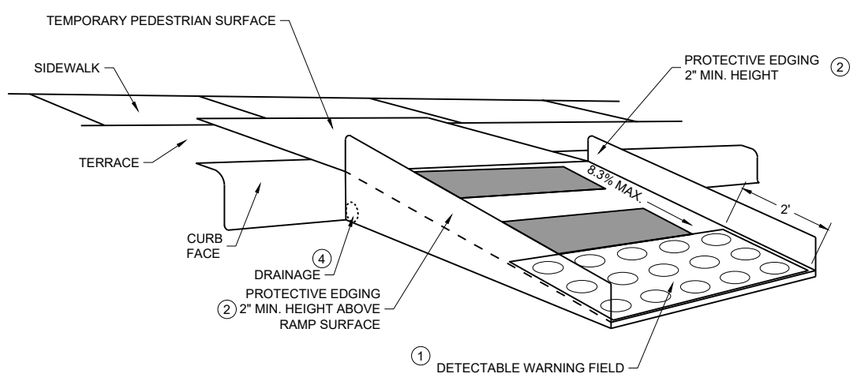
/S/ ANDREW HEIDTKE
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

6
SDD 15D28-05



WITH SIDE APRON 5



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

6

SDD 15D30-12c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

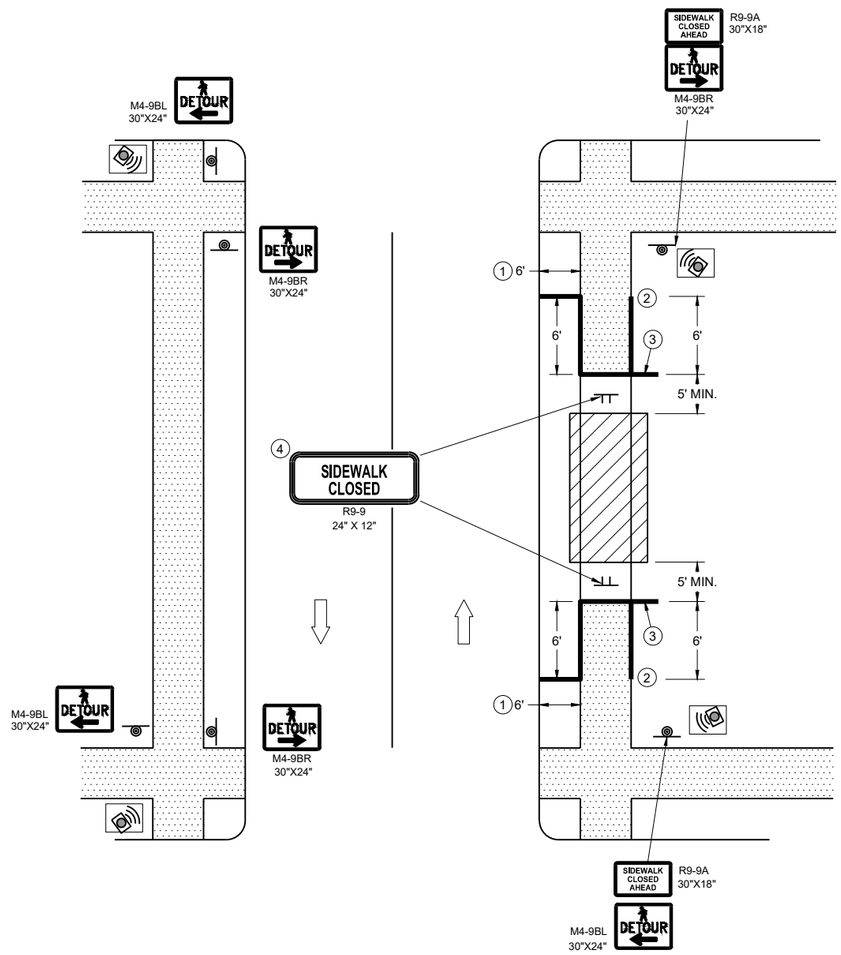
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12c

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- CONNECTED ARROW BOARD
- (S) WZ START LOCATION MARKER
- (E) WZ END LOCATION MARKER

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED SIGNS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

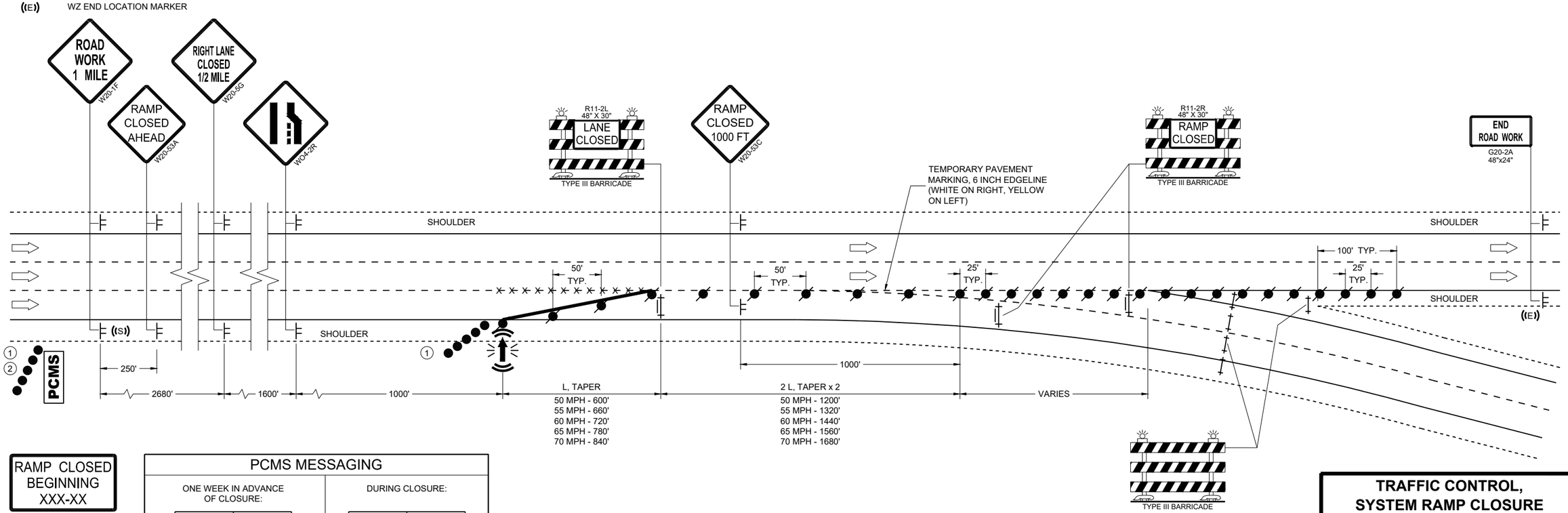
WHEN A RAMP INTERSECTS THE FACILITY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

REMOVE ALL ARROW BOARDS AND DEVICES BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS.

REFER TO SDD 15C2 FOR SETTING DETOUR SIGNAGE.

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

1. 5 DRUMS SPACED AT 10 FOOT INTERVALS.
2. DURING THE PRE-WARNING PERIOD, PLACE THE PCMS AT THE SYSTEM RAMP THAT IS TO BE CLOSED. DURING CLOSURE PERIOD, PLACE PCMS OR FMS AT LAST AVAILABLE EXIT IN ADVANCE OF SYSTEM RAMP CLOSURE. IF DYNAMIC MESSAGE SIGNS (DMS) ARE AVAILABLE, COORDINATE POTENTIAL SIGN MESSAGES WITH THE TRAFFIC MANAGEMENT CENTER (TMC).



SEE SDD 15C2 (SHEET "b"), DETAIL "D" "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" PLACE BARRICADES TO FULLY SEAL OFF ROAD

RAMP CLOSED
BEGINNING
XXX-XX
G20-58

PCMS MESSAGING

ONE WEEK IN ADVANCE OF CLOSURE:

FRAME 1	FRAME 2
RAMP TO CLOSE	XXXDAY XX XX XX

DURING CLOSURE:

FRAME 1	FRAME 2
HWY XX RAMP CLOSED	USE ALT ROUTE

TRAFFIC CONTROL, SYSTEM RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

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SDD 15D49-05

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