GRE APRIL 2026

PROJECT ID: 9995-05-73

COUNTY: MARINETTE

28

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 = 238



N

DESIGN DESIGNATION 9995-05-72

A.A.D.T.	2026	=	1,710
A.A.D.T.	2046	=	1,900
D.H.V.		=	
D.D.		=	50/50
T.		=	7.8%
DESIGN SPEED		=	30 MPH
ESALS		=	220,000

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 (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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

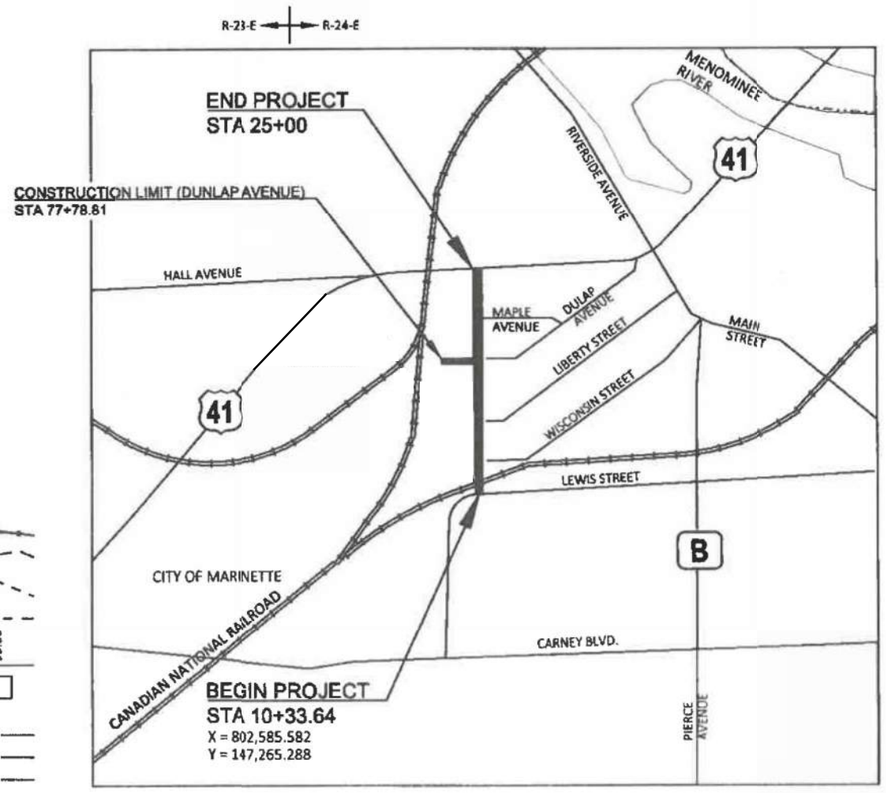
PLAN OF PROPOSED IMPROVEMENT

C MARINETTE, MADISON AVENUE

HALL AVENUE TO LEWIS STREET

LOCAL STREET
MARINETTE COUNTY

STATE PROJECT NUMBER
9995-05-73



LAYOUT

SCALE 0 1000 FT

TOTAL NET LENGTH OF CENTERLINE = 0.278 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), MARINETTE COUNTY, NAD83 (2011), 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 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
~~9995-05-73~~	WISC 2026147	1

ACCEPTED FOR
CITY OF MARINETTE
Date 7.29.2025 B. A. Miller
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY
GRAEF
115 S. Adams Blvd. Suite 301 Green Bay, WI 54301
WISCONSIN
ANDREW K. SCHULTZ
41695
GREEN BAY, WI
PROFESSIONAL ENGINEER
DATE 7-29-25
(Professional Engineer) (Signature)
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GRAEF
Designer	GRAEF
Project Manager	ERIK BRATTLUND
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	KIMBERLY SLEZAK

APPROVED FOR THE DEPARTMENT
DATE: 7/28/2025 Erik Brattlund
(Signature)

E

F. E NAME: X:\GR\2023\20230179\DESIGN\TRANSPORTATION\SHEETS\PLAN\010101-TI.DWG PLOT DATE: 7/29/2025 8:23 AM PLOT BY SCHULTZ, ANDREW K. PLOT NAME:

2

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.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 115 LBS/SY/IN.

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.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

CURB AND GUTTER PLAN GRADES ARE AT THE FLANGE LINE UNLESS OTHERWISE NOTED.

PIPE AND INLET ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS

UTILITIES CONTACTS

BRIGHTSPEED
COMMUNICATIONS LINE
SCOTT HEINZELMAN
144 N PEARL STREET
BERLIN, WI 54923
PHONE: 980-376-1563
EMAIL: SCOTT.HEINZELMAN@BRIGHTSPEED.COM

CITY OF MARINETTE
SANITARY SEWER
CHRIS LUITZE
1905 HALL AVENUE
MARINETTE, WI 54143
PHONE: 715-732-5134
EMAIL: CLUITZE@MARINETTE.WI.US

CITY OF MARINETTE
WATER
WARREN HOWARD
501 WATER STREET
MARINETTE, WI 54143
PHONE: 715-732-5180
EMAIL: WHOWARD@MARINETTE.WI.US

SPECTRUM
COMMUNICATIONS LINE
DAVE BERGSTROM
2580 W MASON STREET
GREEN BAY, WI 54303
PHONE: 920-378-3648
EMAIL: DAVE.BERGSTROM@CHARTER.COM

WISCONSIN PUBLIC SERVICE CORPORATION
ELECTRICITY
CASEY GERONDALE
2850 S ASHLAND AVENUE
GREEN BAY, WI 54304
PHONE: 920-680-1989
EMAIL: UTILITIESRELOCATION@WISCONSINPUBLICSERVICE.COM

WISCONSIN PUBLIC SERVICE CORPORATION
GAS/PETROLEUM
STEVE BONECK
134 MacARTHUR DRIVE
COLEMAN, WI 54112
PHONE: 920-606-3338
EMAIL: STEVE.BONECK@WISCONSINPUBLICSERVICE.COM

STANDARD ABBREVIATIONS

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

DESIGN PROJECT LEADER

ANDREW SCHULTZ, P.E.
GRAEF
116 SOUTH ADAMS STREET, SUITE 201
GREEN BAY, WI 54301
PHONE: 920-405-3809
EMAIL: ANDREW.SCHULTZ@GRAEF-USA.COM

WISCONSIN DNR LIAISON

JIM DOPERALSKI, JR.
NORTHEAST REGION
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
PHONE: 920-412-0165
EMAIL: JAMES.DOPERALSKI@WISCONSIN.GOV

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

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS:	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIPTURF:	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPETURF:			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT:	.70 - .95											
CONCRETE:	.80 - .95											
BRICK:	.70 - .80											
DRIVES, WALKS:	.75 - .85											
ROOFS:	.75 - .95											
GRAVEL ROADS, SHOULDERS:	.40 - .60											

TOTAL PROJECT AREA = 2.55 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.55 ACRES

2

WATER MAIN NOTES

CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING INVERTS PRIOR TO INSTALLATION OF PROPOSED UTILITIES.

BUILDING LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES. CONTRACTOR SHALL CONNECT NEW LATERAL TO THE EXISTING LATERAL AT THE RIGHT-OF-WAY.

CONTRACTOR SHALL CENTER ONE FULL LENGTH OF WATER PIPE ON SEWER AT WATER MAIN CROSSINGS, THAT BOTH JOINTS WILL BE AS FAR FROM SEWER AS POSSIBLE.

PIPE LENGTHS AND INVERTS ARE TO CENTER OF STRUCTURES.

CONTRACTOR SHALL MAINTAIN WATER SERVICE AT ALL TIMES.

SANITARY SEWER NOTES

CONTRACTOR SHALL VERIFY ELEVATION OF EXISTING INVERTS PRIOR TO INSTALLATION OF PROPOSED UTILITIES.

BUILDING LATERALS SHALL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL AND STATE PLUMBING CODES. CONTRACTOR SHALL CONNECT NEW LATERAL TO THE EXISTING LATERAL AT THE RIGHT-OF-WAY.

PIPE LENGTHS AND INVERTS ARE TO CENTER OF STRUCTURES.

CONTRACTOR SHALL EXPOSE EXITING SANITARY SEWER AT ALL LOCATIONS PRIOR TO START OF CONSTRUCTION TO VERIFY THE EXACT LOCATION AND INVERT OF EXISTING SEWER. ANY DISCREPANCIES SHALL BE REPORTED TO ALLOW DESIGN MODIFICATIONS AS REQUIRED.

LOCATION AND DEPTH OF PROPOSED SEWER LATERALS ON PLANS ARE APPROXIMATE. FINAL LOCATION OF LATERALS SHALL BE DETERMINED IN THE FIELD AND SHALL BE INCIDENTAL TO CONTRACT PRICE. ANY DAMAGE TO EXISTING WATER SERVICES DURING CONSTRUCTION SHALL BE REPAIRED AND IS INCIDENTAL TO SANITARY SEWER INSTALLATION.

ALL SANITARY ELEVATIONS ON PLANS ARE INVERT ELEVATIONS AND DIMENSIONS ARE TO CENTER OF STRUCTURE.

CONSTRUCT ALL SEWER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, LATEST EDITION - INCLUDING ADDENDUMS.

ALL RIM ELEVATIONS ARE APPROXIMATE, AND SHALL BE VERIFIED IN THE FIELD DURING CONSTRUCTION.

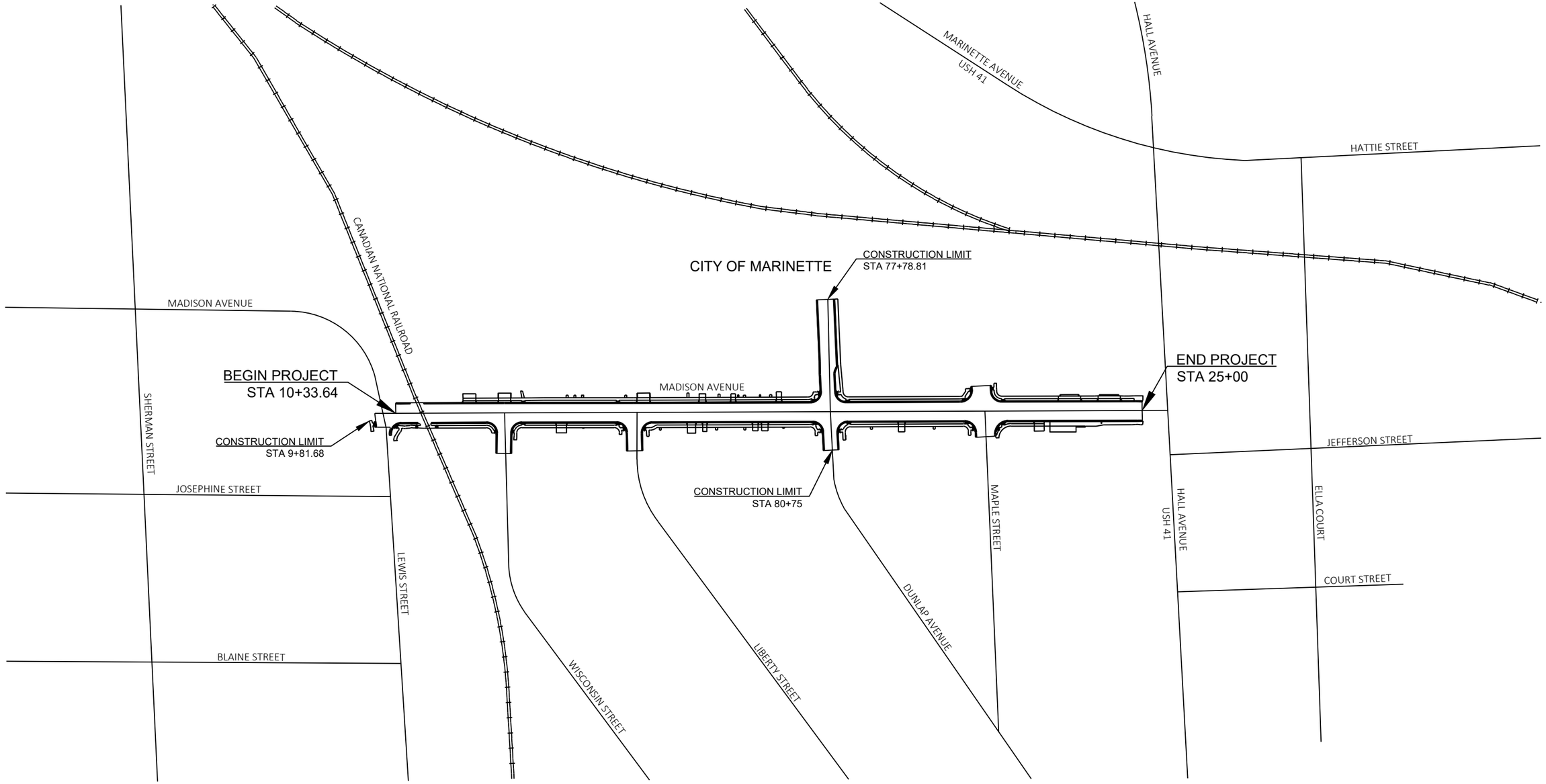
BYPASS PUMPING SHALL BE INCIDENTAL TO SANITARY SEWER CONSTRUCTION.

ALL MANHOLES ARE 48-INCH DIAMETER, UNLESS INDICATED OTHERWISE ON THE DRAWINGS. 5 FOOT STUB TO CONNECT TO EXISTING PIPE IS CONSIDERED INCIDENTAL.

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

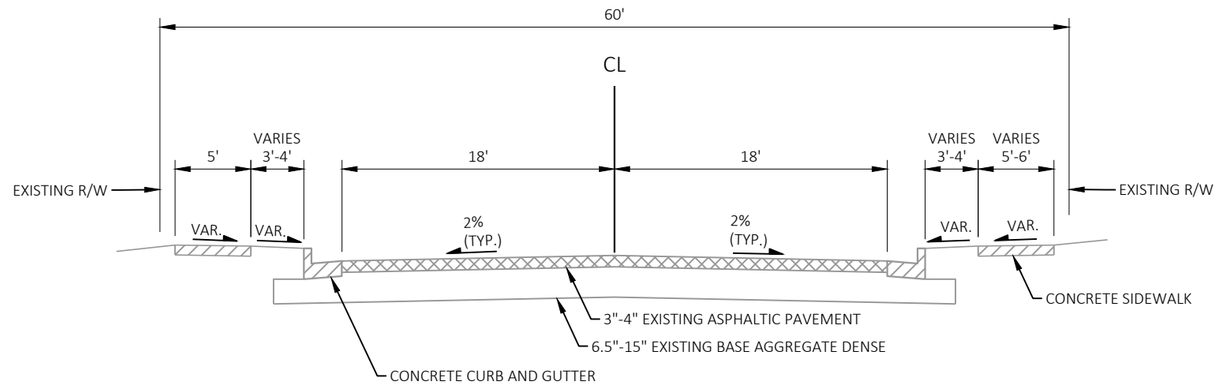
2

N



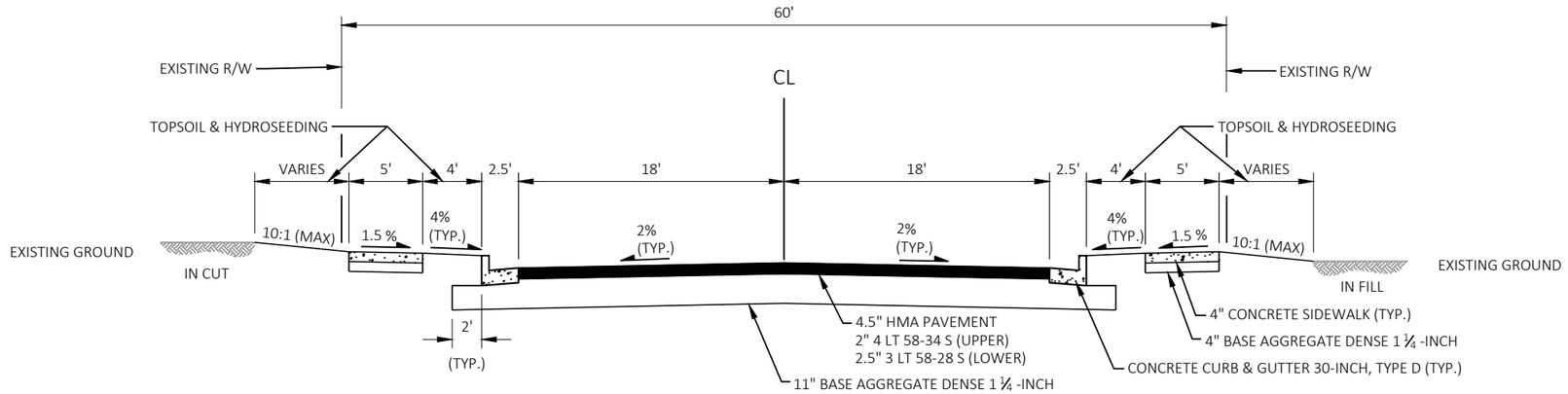
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PROJECT OVERVIEW	SHEET 4	E

2



EXISTING TYPICAL SECTION - MADISON AVENUE

STA 10+34 - 25+00

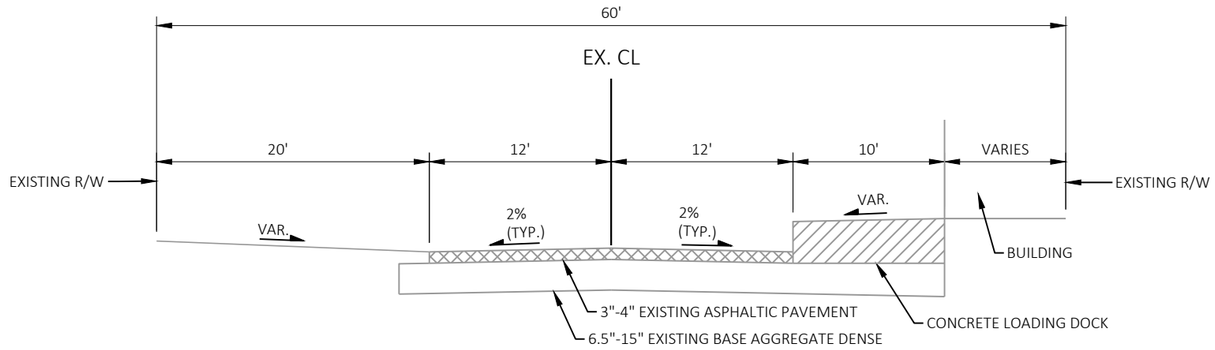


FINISHED TYPICAL SECTION - MADISON AVENUE

STA 10+34 - 25+00

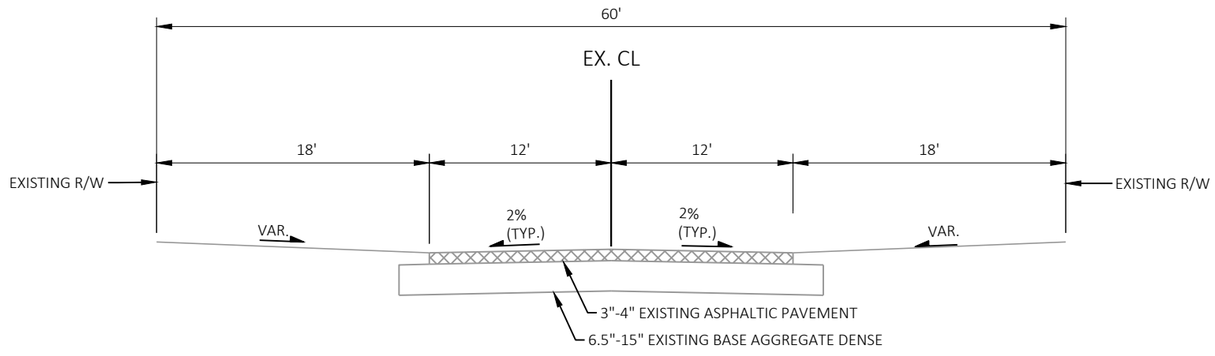
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TYPICAL SECTIONS	SHEET 5	E

2



EXISTING TYPICAL SECTION - DUNLAP AVENUE

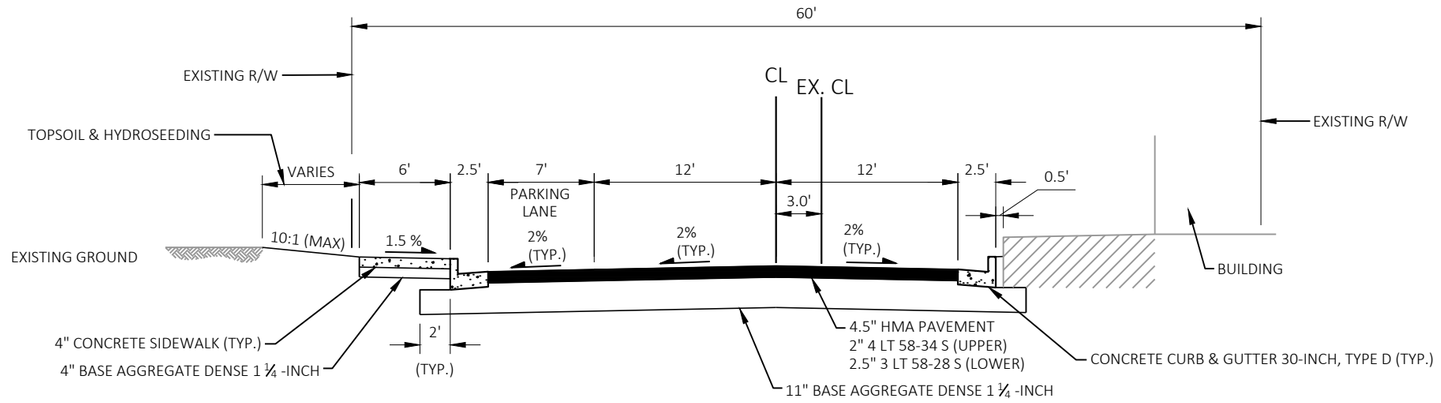
STA 77+79 - 78+87



EXISTING TYPICAL SECTION - DUNLAP AVENUE

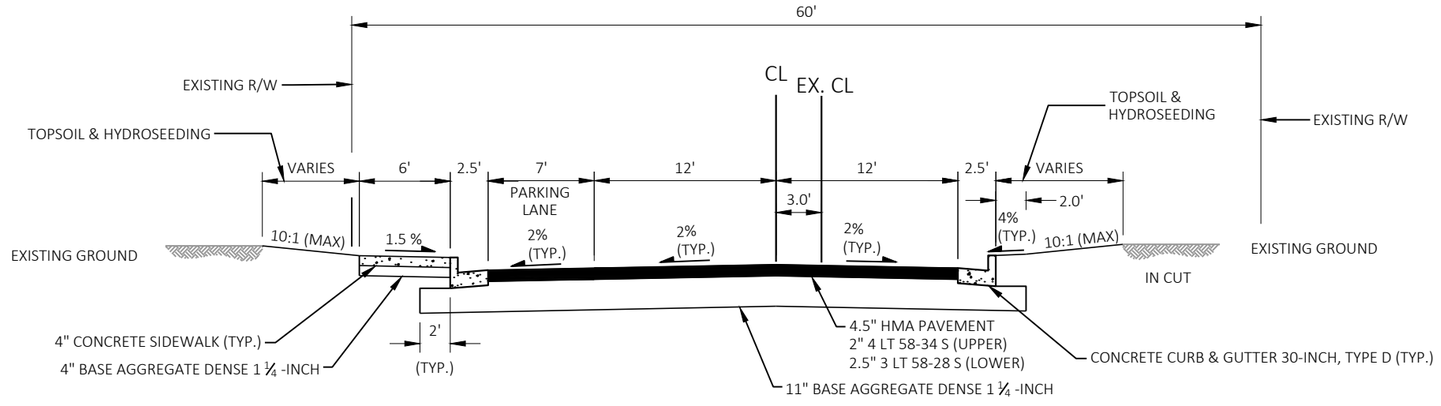
STA 78+87 - 79+34

2



FINISHED TYPICAL SECTION - DUNLAP AVENUE

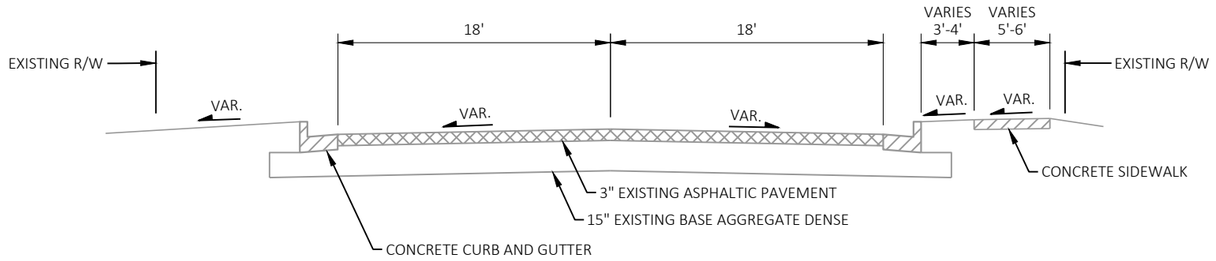
STA 77+79 - 78+87



FINISHED TYPICAL SECTION - DUNLAP AVENUE

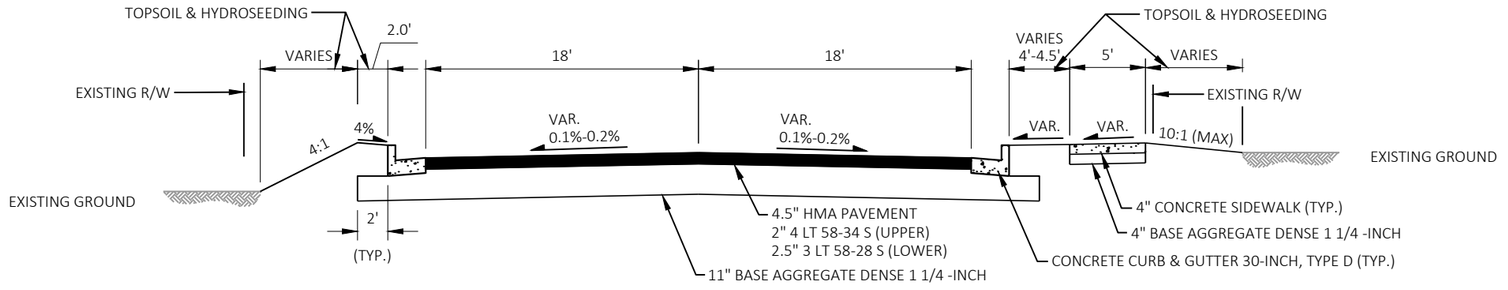
STA 78+87 - 79+09

2



EXISTING TYPICAL SECTION
AT RAILROAD CROSSING

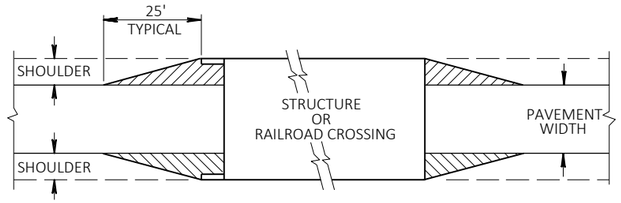
NOTE:
ASPHALT PAVE OVER EXISTING RAILROAD TIMBERS
WHILE PROTECTING THE FLANGE WAY.



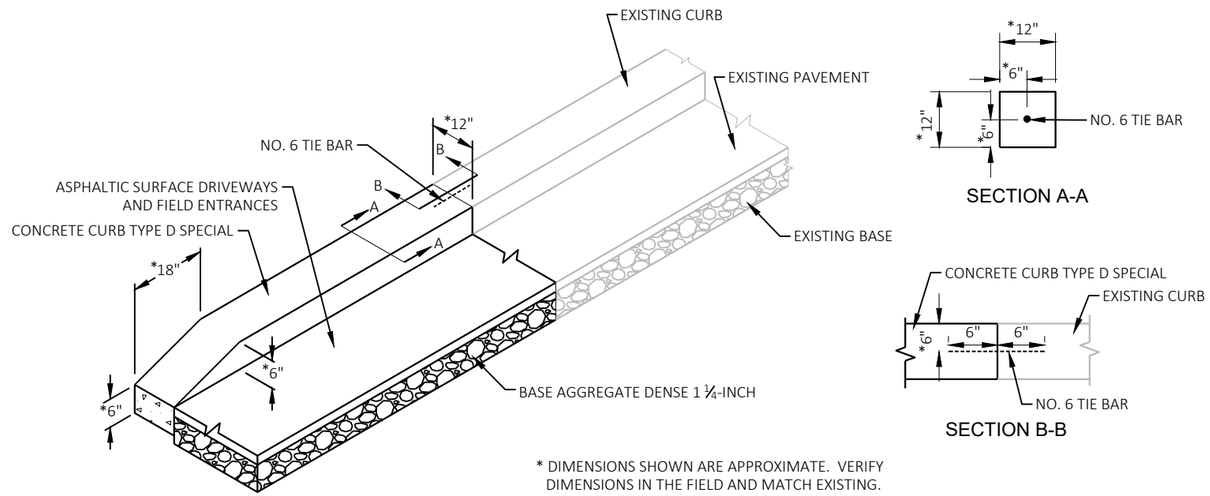
FINISHED TYPICAL SECTION
AT RAILROAD CROSSING

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TYPICAL SECTIONS	SHEET 8	E

2



DETAIL FOR ASPHALTIC SURFACE TAPERS AT
STRUCTURES AND R.R. CROSSINGS

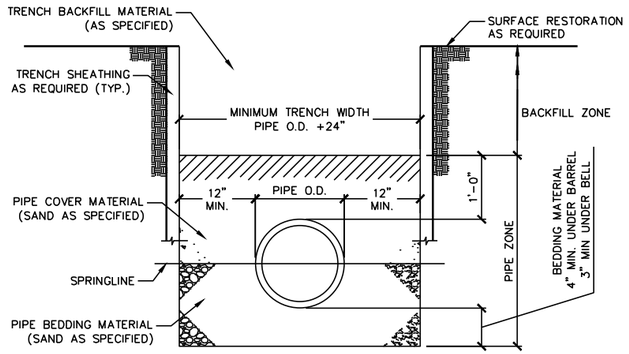


SECTION A-A

SECTION B-B

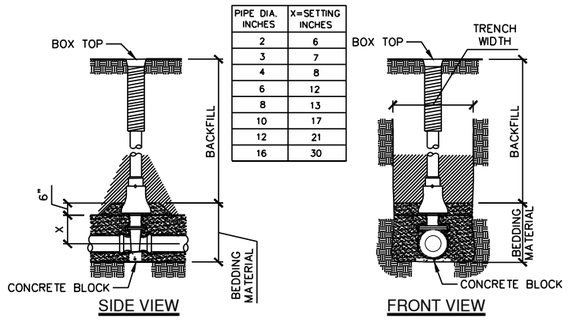
* DIMENSIONS SHOWN ARE APPROXIMATE. VERIFY
DIMENSIONS IN THE FIELD AND MATCH EXISTING.

CONCRETE CURB TYPE D SPECIAL



WATER MAIN TRENCH AND LATERAL DETAIL

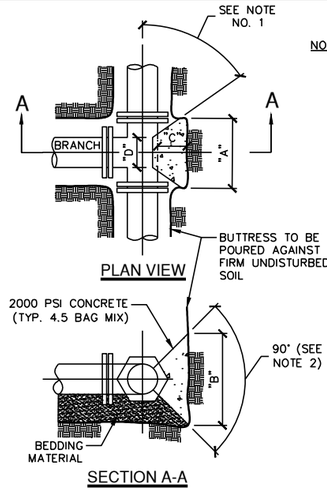
SCALE N.T.S.



PIPE DIA. INCHES	X=SETTING INCHES
2	6
3	7
4	8
6	12
8	13
10	17
12	21
16	30

STANDARD GATE VALVE BOX SETTING DETAIL

SCALE N.T.S.



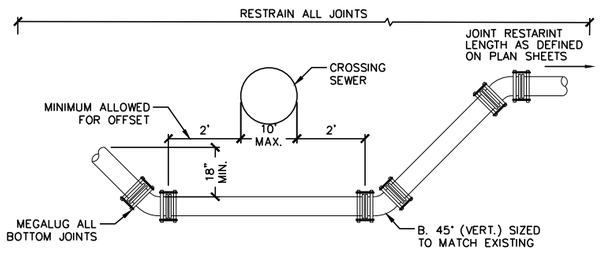
NOTES:
1. DIMENSION "C" SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45 DEGREES.
2. CONCRETE SHOULD BEAR ON THIS QUADRANT OF PIPE AS A MINIMUM.
3. DIMENSION "D" SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHALL NOT COVER MECHANICAL JOINTS.
4. BUTTRESS DIMENSIONS ARE BASED ON A SOIL RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI.

BUTTRESS DIMENSIONS				
B.D.	"A"	"B"	"C"	"D"
6"	1'-3"	1'-0"	SEE NOTE NO. 1	SEE NOTE NO. 3
8"	1'-6"	1'-4"		
12"	2'-3"	2'-0"		
16"	3'-2"	2'-6"		
20"	4'-0"	3'-0"		
24"	5'-3"	3'-4"		
30"	6'-3"	4'-3"		

B.D. = BRANCH DIAMETER

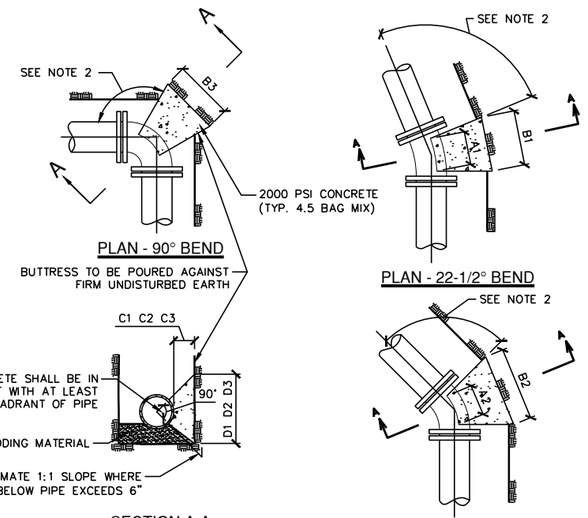
CONCRETE BUTTRESS FOR TEES

SCALE N.T.S.



WATER MAIN VERTICAL OFFSET

SCALE N.T.S.

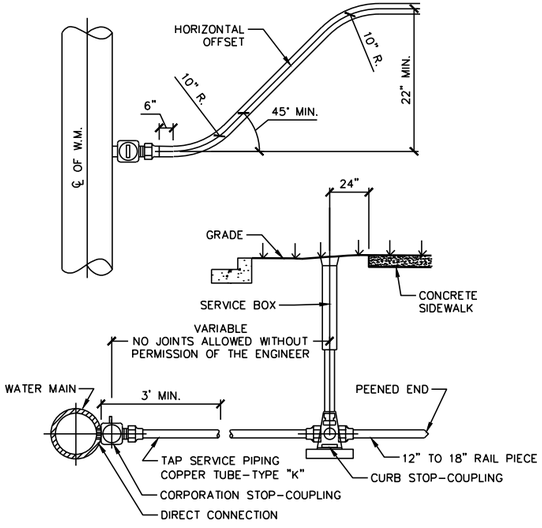


BUTTRESS DIMENSIONS						
PIPE SIZE	22-1/2° BENDS		45° BENDS		90° BENDS	
	B1	D1	B2	D2	B3	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-4"	1'-2"
8"	1'-0"	1'-0"	1'-4"	1'-2"	1'-10"	1'-6"
12"	1'-4"	1'-4"	1'-10"	1'-10"	2'-8"	2'-3"
16"	1'-10"	1'-8"	2'-6"	2'-4"	3'-10"	2'-10"
20"	2'-4"	2'-0"	3'-3"	2'-10"	5'-0"	3'-4"
24"	2'-10"	2'-4"	4'-0"	3'-3"	6'-4"	3'-10"
30"	3'-6"	3'-0"	5'-4"	3'-10"	8'-0"	4'-8"

NOTES:
1. DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
2. DIMENSIONS C1, C2, C3, SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45 DEGREES.
3. DIMENSIONS A1, A2, A3, SHOULD BE AS LARGE AS POSSIBLE BUT CONCRETE SHALL NOT COVER WITH M.J. BOLTS.
4. SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.

CONCRETE BUTTRESS FOR BENDS

SCALE N.T.S.

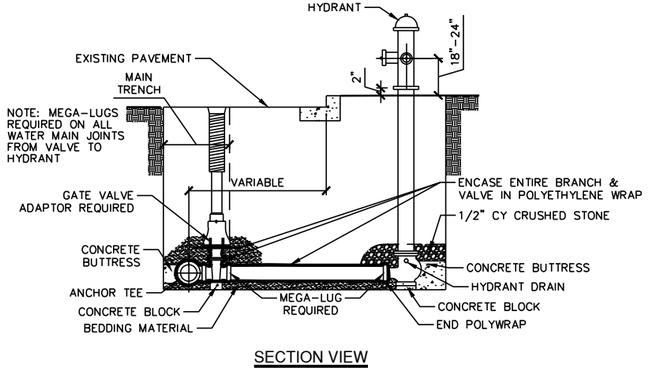


SERVICE PIPE	CORP. STOP	CURB STOP	SERVICE BOX
3/4"	3/4"	3/4"	2 1/2"
* 2"	1 1/2"x2"	2"	3"

* FOR A 2" SERVICE PIPE, CORP. STOP FOR A 6" WATER MAIN REQUIRES A TAP WITH A CLAMP.

SERVICE LATERAL

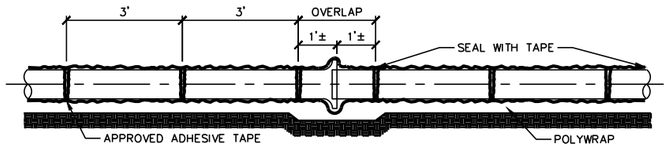
SCALE N.T.S.



STANDARD HYDRANT SETTINGS

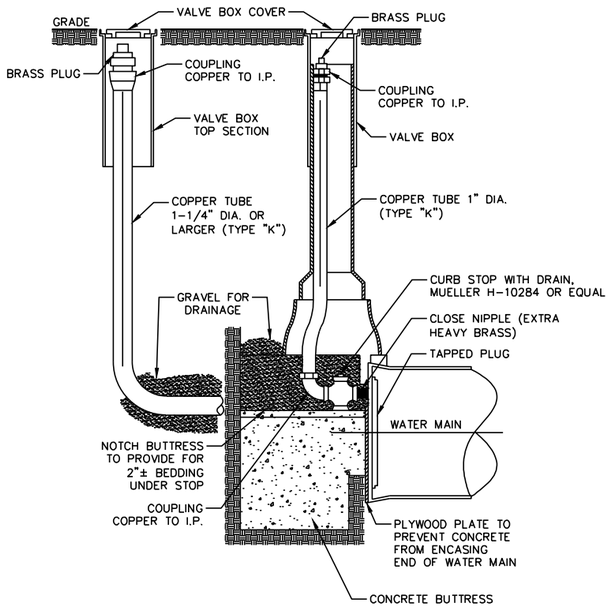
SCALE N.T.S.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CONSTRUCTION DETAILS	SHEET 10	E



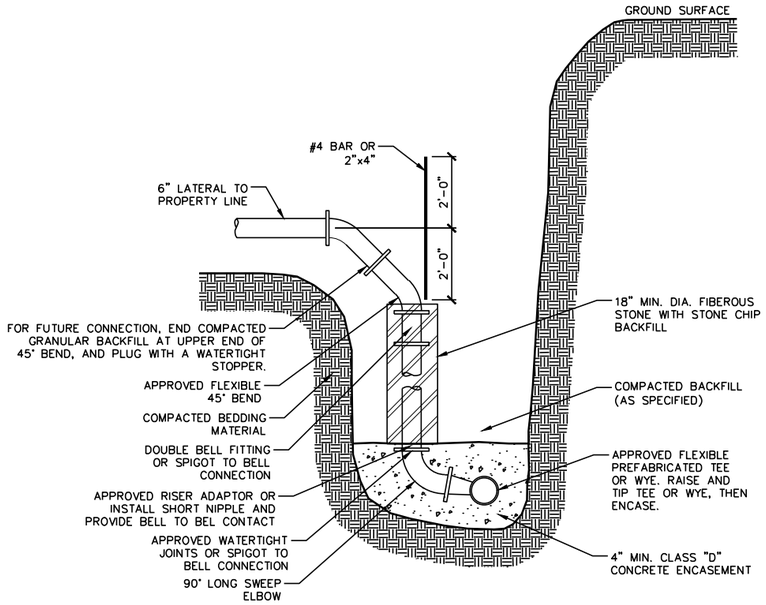
POLYETHYLENE WRAP

SCALE N.T.S.



PLUG WITH AIR VENT INCLUDING CONCRETE BUTTRESS

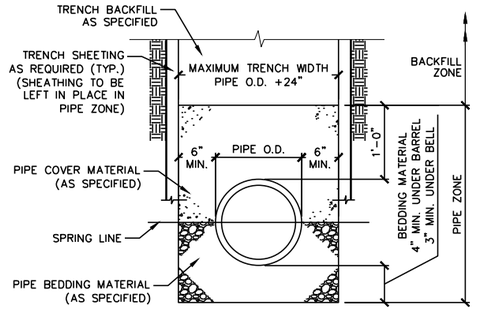
SCALE N.T.S.



NOTE: ENCASE ALL RISERS IN AN ENVELOPE OF 6" BEDDING MATERIAL IN A 18" DIA. FIBEROUS TUBE.

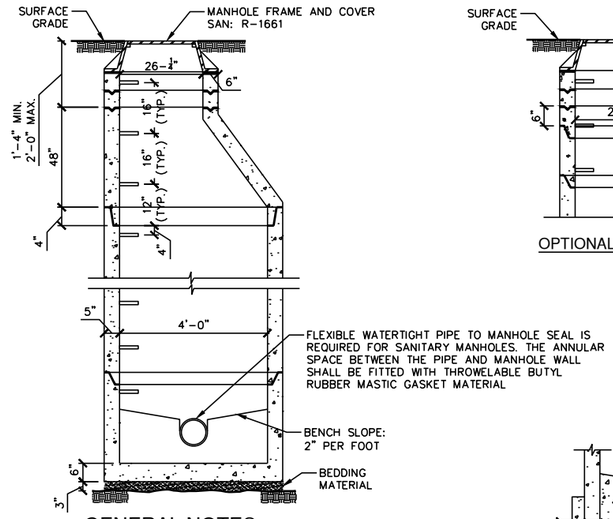
RISER DETAIL

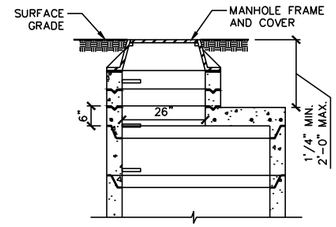
SCALE N.T.S.



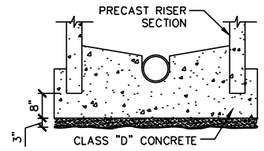
CLASS "B" BEDDING DETAIL FOR SANITARY SEWER

SCALE N.T.S.





OPTIONAL FLAT-TOP SECTION



OPTIONAL POURED BASE

GENERAL NOTES

FLAT TOP SLAB MAY BE USED FOR 5'-0" AND 6'-0" DIA. MANHOLES.

PRECAST CONCRETE ADJUSTING RINGS TO BE REINFORCED WITH ONE LINE OF STEEL CENTERED WITHIN THE RING. WHERE NECESSARY RINGS SHALL BE GROOVED TO RECEIVE STEP.

CONCRETE AND STEEL REINFORCEMENT SHALL CONFORM TO DESIGNATION C-478 REQUIREMENTS OF ASTM SPECIFICATIONS.

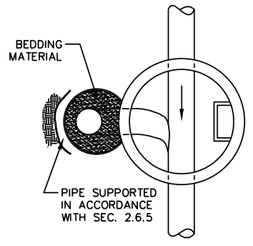
JOINTS SHALL BE WATERTIGHT AND SHALL BE MADE USING RUBBER GASKETS OR BUTYL RUBBER MASTIC MATERIAL.

AREA OF CIRCUMFERENTIAL STEEL = 0.12 SQ. INCH PER LINEAL FOOT.

3" BEDDING MATERIAL REQUIRED UNDER BASE. MANHOLES TO BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL.

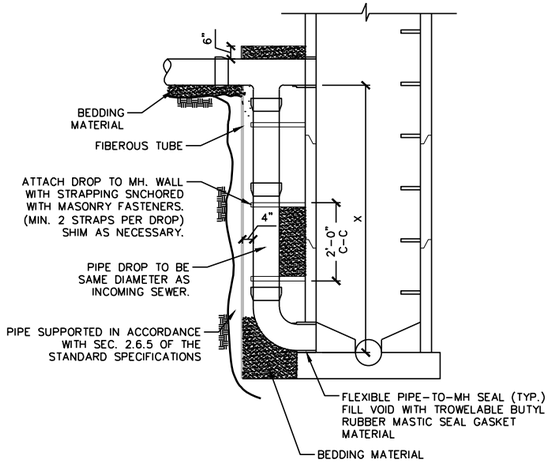
PRECAST MANHOLE

SCALE N.T.S.



PLAN VIEW

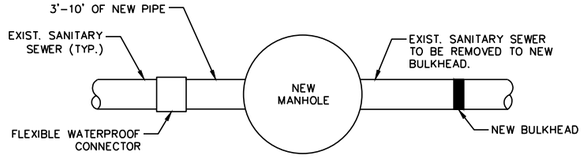
NOTE:
WHENEVER "X" IS GREATER THAN 2 FT., AN OUTSIDE DROP MUST BE CONSTRUCTED AS SHOWN.



SECTION VIEW

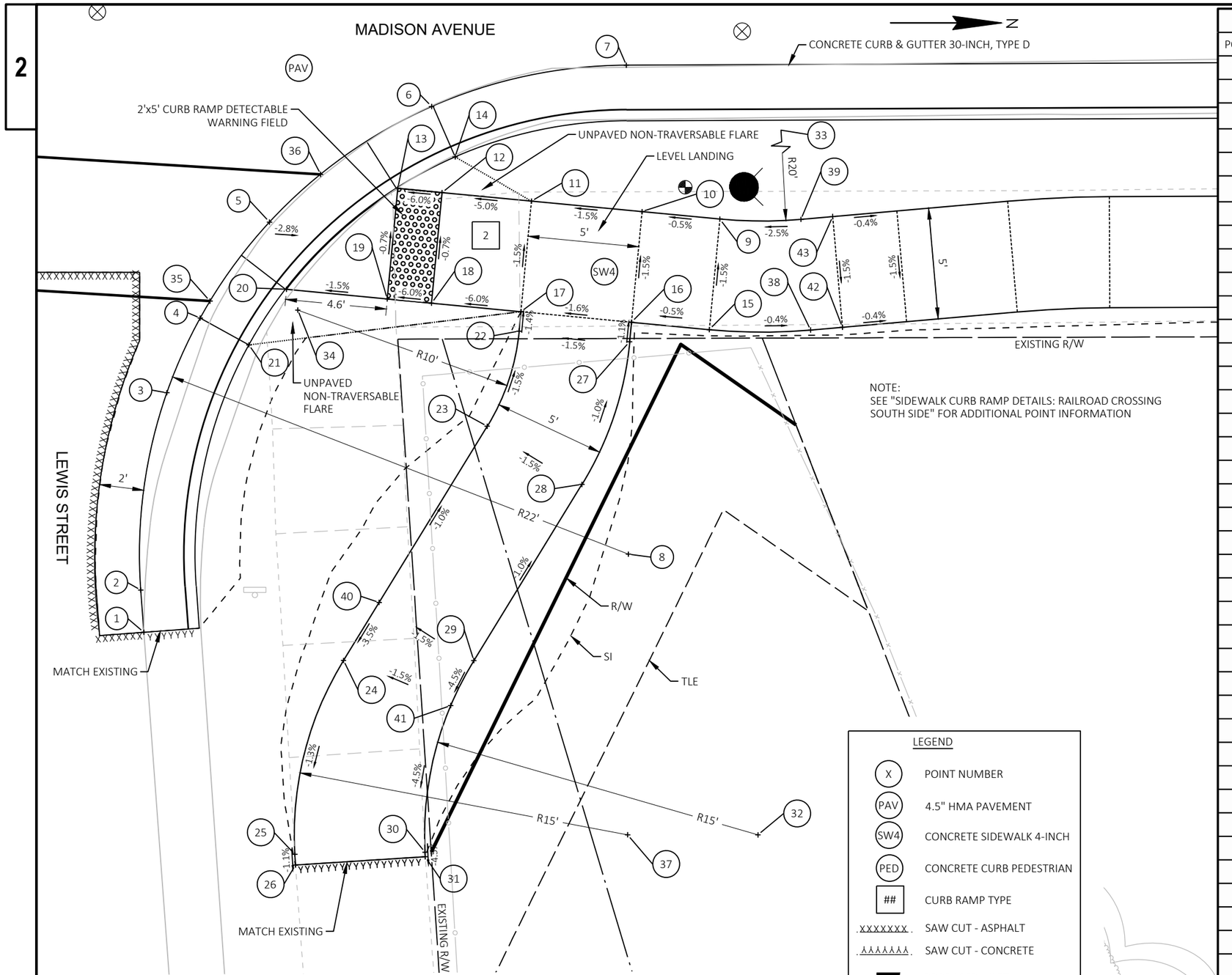
SANITARY MANHOLE WITH OUTSIDE DROP

SCALE N.T.S.



NEW MANHOLE CONNECTION TO EXISTING PIPE

SCALE N.T.S.



MADISON AVE. & LEWIS ST. NE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
1	10+22.84	43.43 RT	50+44.69	13.00 LT	147254.54	802629.02	596.07	FLANGE
2	10+22.70	41.53 RT	50+42.79	13.00 LT	147254.40	802627.12	596.08	PC
3	10+23.91	32.65 RT	50+34.02	14.82 LT	147255.60	802618.24	596.11	1/4 PT
4	10+25.43	29.30 RT	50+30.78	16.57 LT	147257.11	802614.89	596.13	
5	10+28.56	24.99 RT	50+26.95	20.01 LT	147260.24	802610.58	596.15	MID PT
6	10+35.88	19.82 RT	50+22.95	27.77 LT	147267.55	802605.40	596.19	1/4 PT
7	10+44.65	18.00 RT	50+22.17	36.68 LT	147276.32	802603.57	596.22	PT
8	10+44.65	40.00 RT	50+42.79	35.00 LT	147276.35	802625.57	0.00	RADIUS
9	10+52.48	27.25 RT	50+30.61	43.70 LT	147280.51	802610.50	596.51	PT
10	10+45.33	24.59 RT	50+27.77	36.75 LT	147277.00	802610.16	596.50	GRADE BREAK
11	10+40.35	24.09 RT	50+27.01	31.83 LT	147272.03	802609.67	596.42	GRADE BREAK
12	10+36.33	23.69 RT	50+26.37	27.86 LT	147268.01	802609.27	596.22	GRADE BREAK
13	10+34.34	23.50 RT	50+26.04	25.89 LT	147266.02	802609.08	596.10	
14	10+36.93	22.09 RT	50+25.02	28.59 LT	147268.60	802607.67	596.61	
15	10+49.60	31.34 RT	50+34.49	40.54 LT	147280.02	802615.48	596.59	PC
16	10+44.83	29.57 RT	50+32.39	35.91 LT	147276.52	802615.13	596.57	GRADE BREAK
17	10+39.86	29.07 RT	50+31.55	30.98 LT	147271.54	802614.64	596.50	GRADE BREAK
18	10+35.84	28.67 RT	50+30.87	26.99 LT	147267.52	802614.25	596.26	
19	10+33.85	28.47 RT	50+30.54	25.02 LT	147265.53	802614.05	596.14	GRADE BREAK
20	10+29.32	28.02 RT	50+29.77	20.53 LT	147261.00	802613.61	596.06	
21	10+27.61	30.51 RT	50+32.14	18.66 LT	147259.30	802616.10	596.55	
22	10+39.77	29.95 RT	50+32.42	30.83 LT	147271.45	802615.52	596.51	PC
23	10+38.32	34.22 RT	50+36.58	29.09 LT	147270.01	802619.80	596.58	PT
24	10+31.81	44.73 RT	50+46.61	21.86 LT	147263.52	802630.31	596.56	PC
25	10+29.59	53.45 RT	50+55.16	19.04 LT	147261.30	802639.03	596.45	PT
26	10+29.61	53.93 RT	50+55.64	19.03 LT	147261.33	802639.52	596.44	
27	10+44.75	30.44 RT	50+33.26	35.76 LT	147276.43	802616.01	596.58	PC
28	10+42.57	36.85 RT	50+39.50	33.14 LT	147274.26	802622.42	596.65	PT
29	10+37.67	44.76 RT	50+47.05	27.71 LT	147269.38	802630.34	596.74	PC
30	10+35.44	53.38 RT	50+55.50	24.89 LT	147267.16	802638.96	596.34	PT
31	10+35.45	53.58 RT	50+55.70	24.88 LT	147267.17	802639.16	596.33	
32	10+50.43	52.66 RT	50+55.81	39.88 LT	147282.14	802638.22	0.00	RADIUS
33	10+43.84	39.52 RT	50+42.25	34.23 LT	147282.46	802590.60	0.00	RADIUS
34	10+29.82	28.95 RT	50+30.74	20.97 LT	147261.50	802614.54	596.24	RADIUS
35	10+25.87	28.54 RT	50+30.05	17.06 LT	147257.56	802614.13	596.13	FLANGE
36	10+30.87	22.85 RT	50+25.20	22.49 LT	147262.54	802608.44	596.16	FLANGE
37	10+44.56	52.63 RT	50+55.38	34.04 LT	147276.28	802638.19	0.00	RADIUS
38	10+53.16	33.85 RT	50+37.24	43.91 LT	147284.58	802615.51	596.57	PT
39	10+56.04	29.76 RT	50+33.36	47.07 LT	147284.15	802610.52	596.60	PT
40	10+33.42	42.13 RT	50+44.13	23.65 LT	147265.12	802627.71	596.67	GRADE BREAK
41	10+36.63	46.78 RT	50+48.99	26.52 LT	147268.33	802632.36	596.64	
42	10+61.33	39.61 RT	50+43.55	51.67 LT	147286.01	802615.38	596.57	GRADE BREAK
43	10+64.21	35.52 RT	50+39.67	54.82 LT	147285.58	802610.40	596.64	GRADE BREAK

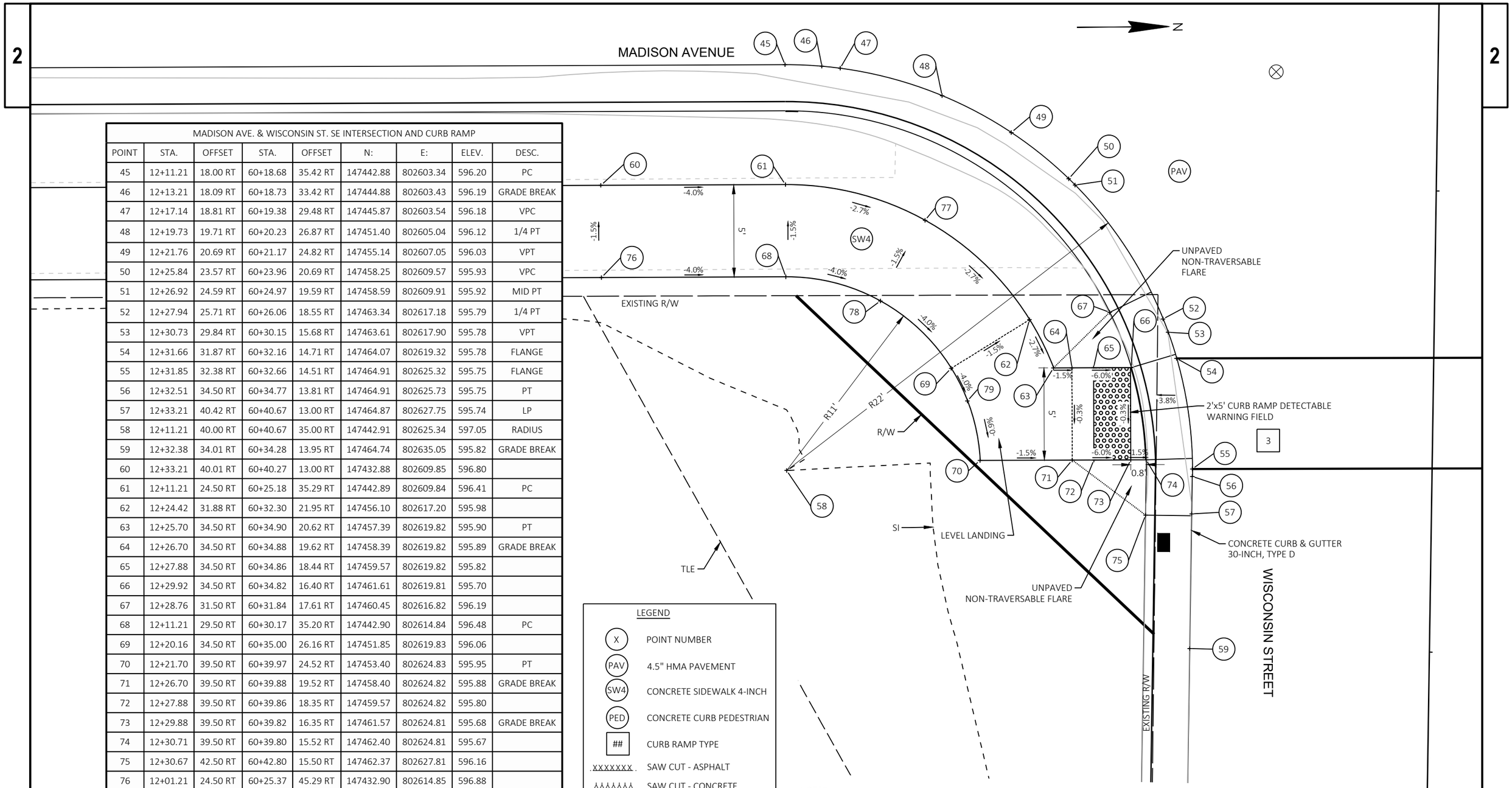
LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- AAAAAAA — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND LEWIS STREET ALIGNMENT.
5. SEE "PLAN DETAILS", "PLAN AND PROFILE SHEETS" AND "SIDEWALK CURB RAMP DETAILS" FOR ADDITIONAL INFORMATION.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & LEWIS ST. NE QUAD	SHEET 13	E

MADISON AVE. & WISCONSIN ST. SE INTERSECTION AND CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
45	12+11.21	18.00 RT	60+18.68	35.42 RT	147442.88	802603.34	596.20	PC
46	12+13.21	18.09 RT	60+18.73	33.42 RT	147444.88	802603.43	596.19	GRADE BREAK
47	12+17.14	18.81 RT	60+19.38	29.48 RT	147445.87	802603.54	596.18	VPC
48	12+19.73	19.71 RT	60+20.23	26.87 RT	147451.40	802605.04	596.12	1/4 PT
49	12+21.76	20.69 RT	60+21.17	24.82 RT	147455.14	802607.05	596.03	VPT
50	12+25.84	23.57 RT	60+23.96	20.69 RT	147458.25	802609.57	595.93	VPC
51	12+26.92	24.59 RT	60+24.97	19.59 RT	147458.59	802609.91	595.92	MID PT
52	12+27.94	25.71 RT	60+26.06	18.55 RT	147463.34	802617.18	595.79	1/4 PT
53	12+30.73	29.84 RT	60+30.15	15.68 RT	147463.61	802617.90	595.78	VPT
54	12+31.66	31.87 RT	60+32.16	14.71 RT	147464.07	802619.32	595.78	FLANGE
55	12+31.85	32.38 RT	60+32.66	14.51 RT	147464.91	802625.32	595.75	FLANGE
56	12+32.51	34.50 RT	60+34.77	13.81 RT	147464.91	802625.73	595.75	PT
57	12+33.21	40.42 RT	60+40.67	13.00 RT	147464.87	802627.75	595.74	LP
58	12+11.21	40.00 RT	60+40.67	35.00 RT	147442.91	802625.34	597.05	RADIUS
59	12+32.38	34.01 RT	60+34.28	13.95 RT	147464.74	802635.05	595.82	GRADE BREAK
60	12+33.21	40.01 RT	60+40.27	13.00 RT	147432.88	802609.85	596.80	
61	12+11.21	24.50 RT	60+25.18	35.29 RT	147442.89	802609.84	596.41	PC
62	12+24.42	31.88 RT	60+32.30	21.95 RT	147456.10	802617.20	595.98	
63	12+25.70	34.50 RT	60+34.90	20.62 RT	147457.39	802619.82	595.90	PT
64	12+26.70	34.50 RT	60+34.88	19.62 RT	147458.39	802619.82	595.89	GRADE BREAK
65	12+27.88	34.50 RT	60+34.86	18.44 RT	147459.57	802619.82	595.82	
66	12+29.92	34.50 RT	60+34.82	16.40 RT	147461.61	802619.81	595.70	
67	12+28.76	31.50 RT	60+31.84	17.61 RT	147460.45	802616.82	596.19	
68	12+11.21	29.50 RT	60+30.17	35.20 RT	147442.90	802614.84	596.48	PC
69	12+20.16	34.50 RT	60+35.00	26.16 RT	147451.85	802619.83	596.06	
70	12+21.70	39.50 RT	60+39.97	24.52 RT	147453.40	802624.83	595.95	PT
71	12+26.70	39.50 RT	60+39.88	19.52 RT	147458.40	802624.82	595.88	GRADE BREAK
72	12+27.88	39.50 RT	60+39.86	18.35 RT	147459.57	802624.82	595.80	
73	12+29.88	39.50 RT	60+39.82	16.35 RT	147461.57	802624.81	595.68	GRADE BREAK
74	12+30.71	39.50 RT	60+39.80	15.52 RT	147462.40	802624.81	595.67	
75	12+30.67	42.50 RT	60+42.80	15.50 RT	147462.37	802627.81	596.16	
76	12+01.21	24.50 RT	60+25.37	45.29 RT	147432.90	802614.85	596.88	
77	12+01.21	29.50 RT	60+30.36	45.20 RT	147450.45	802611.80	596.20	
78	12+16.34	30.83 RT	60+31.41	30.05 RT	147448.02	802616.17	596.27	
79	12+21.11	36.49 RT	60+36.97	25.17 RT	147452.72	802621.60	595.98	GRADE BREAK

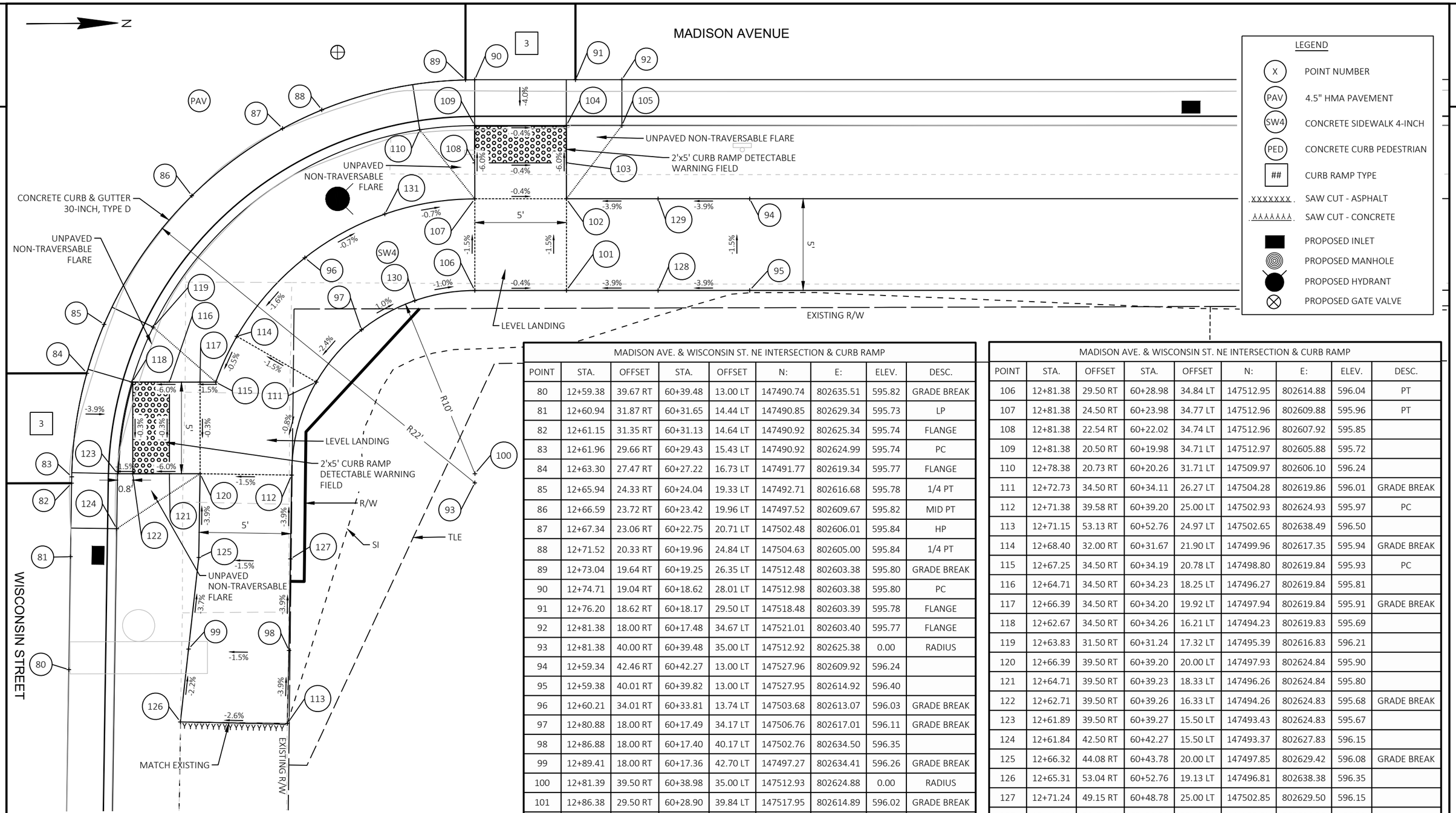


LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- ΔΔΔΔΔΔΔ — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND WISCONSIN STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & WISCONSIN ST. SE QUAD	SHEET 14	E



NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND WISCONSIN STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

MADISON AVE. & WISCONSIN ST. NE INTERSECTION & CURB RAMP

POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
80	12+59.38	39.67 RT	60+39.48	13.00 LT	147490.74	802635.51	595.82	GRADE BREAK
81	12+60.94	31.87 RT	60+31.65	14.44 LT	147490.85	802629.34	595.73	LP
82	12+61.15	31.35 RT	60+31.13	14.64 LT	147490.92	802625.34	595.74	FLANGE
83	12+61.96	29.66 RT	60+29.43	15.43 LT	147490.92	802624.99	595.74	PC
84	12+63.30	27.47 RT	60+27.22	16.73 LT	147491.77	802619.34	595.77	FLANGE
85	12+65.94	24.33 RT	60+24.04	19.33 LT	147492.71	802616.68	595.78	1/4 PT
86	12+66.59	23.72 RT	60+23.42	19.96 LT	147497.52	802609.67	595.82	MID PT
87	12+67.34	23.06 RT	60+22.75	20.71 LT	147502.48	802606.01	595.84	HP
88	12+71.52	20.33 RT	60+19.96	24.84 LT	147504.63	802605.00	595.84	1/4 PT
89	12+73.04	19.64 RT	60+19.25	26.35 LT	147512.48	802603.38	595.80	GRADE BREAK
90	12+74.71	19.04 RT	60+18.62	28.01 LT	147512.98	802603.38	595.80	PC
91	12+76.20	18.62 RT	60+18.17	29.50 LT	147518.48	802603.39	595.78	FLANGE
92	12+81.38	18.00 RT	60+17.48	34.67 LT	147521.01	802603.40	595.77	FLANGE
93	12+81.38	40.00 RT	60+39.48	35.00 LT	147512.92	802625.38	0.00	RADIUS
94	12+59.34	42.46 RT	60+42.27	13.00 LT	147527.96	802609.92	596.24	
95	12+59.38	40.01 RT	60+39.82	13.00 LT	147527.95	802614.92	596.40	
96	12+60.21	34.01 RT	60+33.81	13.74 LT	147503.68	802613.07	596.03	GRADE BREAK
97	12+80.88	18.00 RT	60+17.49	34.17 LT	147506.76	802617.01	596.11	GRADE BREAK
98	12+86.88	18.00 RT	60+17.40	40.17 LT	147502.76	802634.50	596.35	
99	12+89.41	18.00 RT	60+17.36	42.70 LT	147497.27	802634.41	596.26	GRADE BREAK
100	12+81.39	39.50 RT	60+38.98	35.00 LT	147512.93	802624.88	0.00	RADIUS
101	12+86.38	29.50 RT	60+28.90	39.84 LT	147517.95	802614.89	596.02	GRADE BREAK
102	12+86.38	24.50 RT	60+23.90	39.77 LT	147517.96	802609.89	595.94	GRADE BREAK
103	12+86.38	22.54 RT	60+21.94	39.74 LT	147517.96	802607.93	595.82	
104	12+86.38	20.50 RT	60+19.90	39.71 LT	147517.97	802605.89	595.70	
105	12+89.41	20.50 RT	60+19.86	42.74 LT	147521.00	802605.90	596.19	

MADISON AVE. & WISCONSIN ST. NE INTERSECTION & CURB RAMP

POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
106	12+81.38	29.50 RT	60+28.98	34.84 LT	147512.95	802614.88	596.04	PT
107	12+81.38	24.50 RT	60+23.98	34.77 LT	147512.96	802609.88	595.96	PT
108	12+81.38	22.54 RT	60+22.02	34.74 LT	147512.96	802607.92	595.85	
109	12+81.38	20.50 RT	60+19.98	34.71 LT	147512.97	802605.88	595.72	
110	12+78.38	20.73 RT	60+20.26	31.71 LT	147509.97	802606.10	596.24	
111	12+72.73	34.50 RT	60+34.11	26.27 LT	147504.28	802619.86	596.01	GRADE BREAK
112	12+71.38	39.58 RT	60+39.20	25.00 LT	147502.93	802624.93	595.97	PC
113	12+71.15	53.13 RT	60+52.76	24.97 LT	147502.65	802638.49	596.50	
114	12+68.40	32.00 RT	60+31.67	21.90 LT	147499.96	802617.35	595.94	GRADE BREAK
115	12+67.25	34.50 RT	60+34.19	20.78 LT	147498.80	802619.84	595.93	PC
116	12+64.71	34.50 RT	60+34.23	18.25 LT	147496.27	802619.84	595.81	
117	12+66.39	34.50 RT	60+34.20	19.92 LT	147497.94	802619.84	595.91	GRADE BREAK
118	12+62.67	34.50 RT	60+34.26	16.21 LT	147494.23	802619.83	595.69	
119	12+63.83	31.50 RT	60+31.24	17.32 LT	147495.39	802616.83	596.21	
120	12+66.39	39.50 RT	60+39.20	20.00 LT	147497.93	802624.84	595.90	
121	12+64.71	39.50 RT	60+39.23	18.33 LT	147496.26	802624.84	595.80	
122	12+62.71	39.50 RT	60+39.26	16.33 LT	147494.26	802624.83	595.68	GRADE BREAK
123	12+61.89	39.50 RT	60+39.27	15.50 LT	147493.43	802624.83	595.67	
124	12+61.84	42.50 RT	60+42.27	15.50 LT	147493.37	802627.83	596.15	
125	12+66.32	44.08 RT	60+43.78	20.00 LT	147497.85	802629.42	596.08	GRADE BREAK
126	12+65.31	53.04 RT	60+52.76	19.13 LT	147496.81	802638.38	596.35	
127	12+71.24	49.15 RT	60+48.78	25.00 LT	147502.85	802629.50	596.15	
128	12+75.20	31.64 RT	60+31.21	28.70 LT	147522.95	802614.90	596.21	
129	12+72.11	27.72 RT	60+27.33	25.54 LT	147522.96	802609.90	596.13	
130	12+96.38	29.50 RT	60+28.75	49.84 LT	147509.68	802615.42	596.07	
131	12+96.38	24.50 RT	60+23.75	49.76 LT	147508.05	802610.69	596.00	

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & WISCONSIN ST. NE QUAD	SHEET 15	E

2

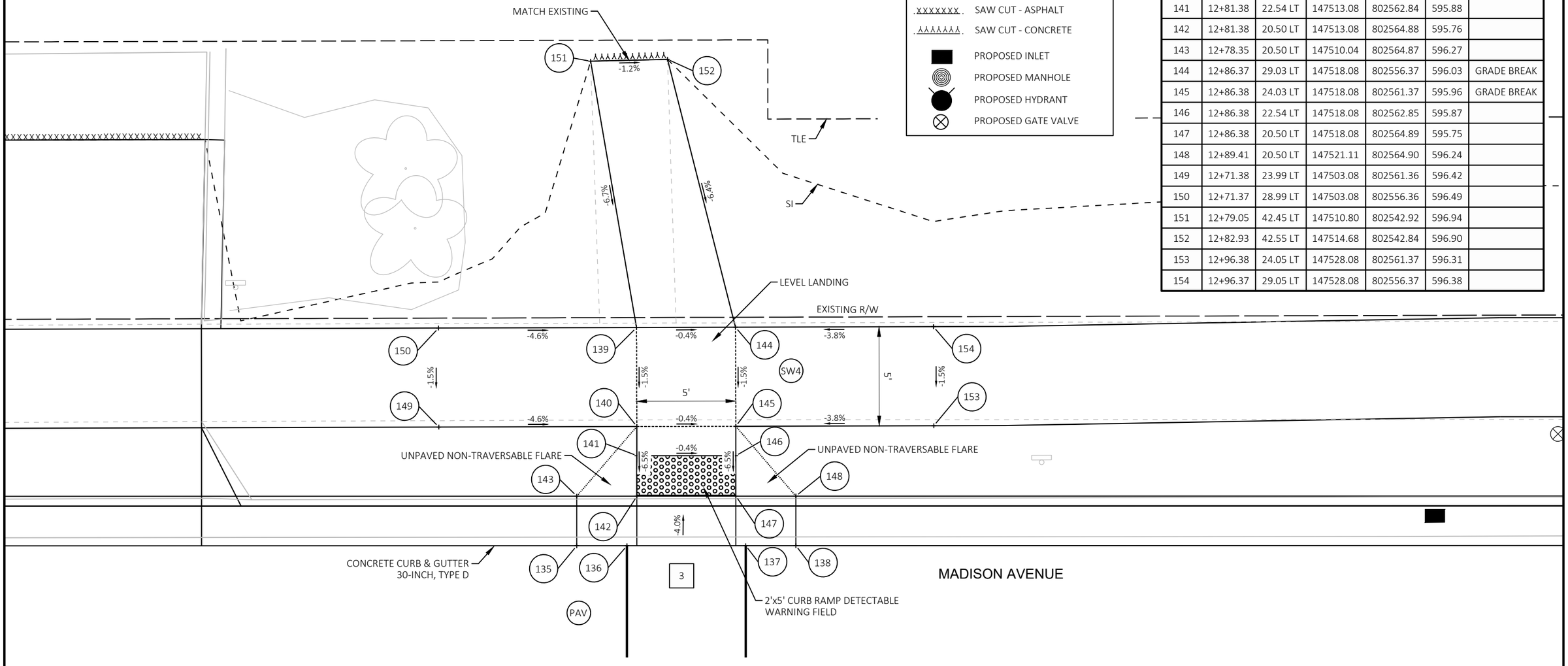
NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

N

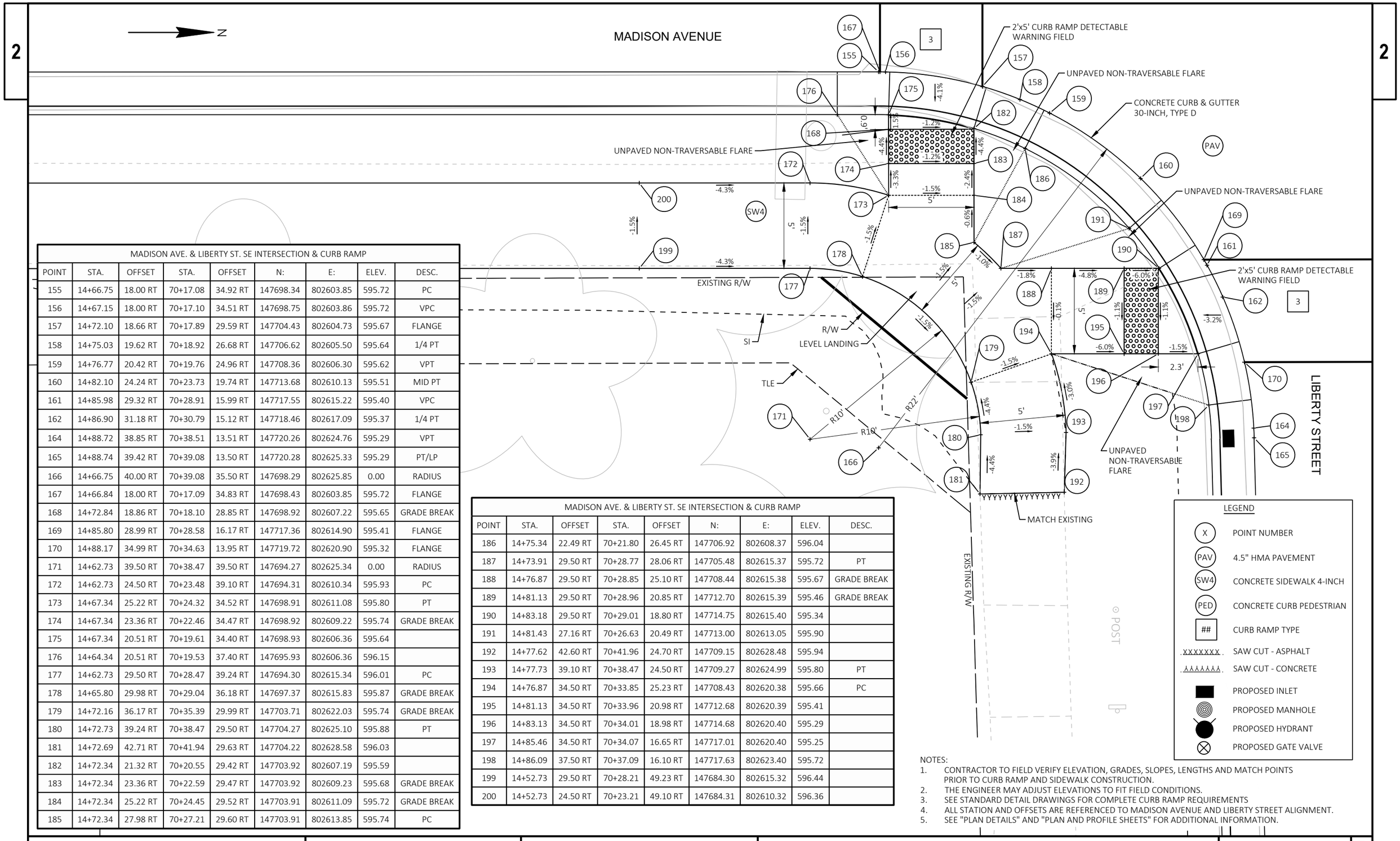
LEGEND

X	POINT NUMBER
PAV	4.5" HMA PAVEMENT
SW4	CONCRETE SIDEWALK 4-INCH
PED	CONCRETE CURB PEDESTRIAN
##	CURB RAMP TYPE
XXXXXXX	SAW CUT - ASPHALT
AAAAAAA	SAW CUT - CONCRETE
	PROPOSED INLET
	PROPOSED MANHOLE
	PROPOSED HYDRANT
	PROPOSED GATE VALVE

MADISON AVE. & WISCONSIN ST. WEST SIDE CURB RAMP						
POINT	STA.	OFFSET	N:	E:	ELEV.	DESC.
135	12+78.35	18.00 LT	147510.04	802567.37	595.85	FLANGE
136	12+80.88	18.00 LT	147512.57	802567.38	595.84	FLANGE
137	12+86.88	18.00 LT	147518.57	802567.39	595.82	FLANGE
138	12+89.41	18.00 LT	147521.10	802567.40	595.82	FLANGE
139	12+81.37	29.01 LT	147513.08	802556.37	596.04	GRADE BREAK
140	12+81.38	24.01 LT	147513.08	802561.37	595.97	GRADE BREAK
141	12+81.38	22.54 LT	147513.08	802562.84	595.88	
142	12+81.38	20.50 LT	147513.08	802564.88	595.76	
143	12+78.35	20.50 LT	147510.04	802564.87	596.27	
144	12+86.37	29.03 LT	147518.08	802556.37	596.03	GRADE BREAK
145	12+86.38	24.03 LT	147518.08	802561.37	595.96	GRADE BREAK
146	12+86.38	22.54 LT	147518.08	802562.85	595.87	
147	12+86.38	20.50 LT	147518.08	802564.89	595.75	
148	12+89.41	20.50 LT	147521.11	802564.90	596.24	
149	12+71.38	23.99 LT	147503.08	802561.36	596.42	
150	12+71.37	28.99 LT	147503.08	802556.36	596.49	
151	12+79.05	42.45 LT	147510.80	802542.92	596.94	
152	12+82.93	42.55 LT	147514.68	802542.84	596.90	
153	12+96.38	24.05 LT	147528.08	802561.37	596.31	
154	12+96.37	29.05 LT	147528.08	802556.37	596.38	



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CURB RAMP DETAILS: MADISON AVE. & WISCONSIN ST. WEST SIDE	SHEET 16	E



MADISON AVE. & LIBERTY ST. SE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
155	14+66.75	18.00 RT	70+17.08	34.92 RT	147698.34	802603.85	595.72	PC
156	14+67.15	18.00 RT	70+17.10	34.51 RT	147698.75	802603.86	595.72	VPC
157	14+72.10	18.66 RT	70+17.89	29.59 RT	147704.43	802604.73	595.67	FLANGE
158	14+75.03	19.62 RT	70+18.92	26.68 RT	147706.62	802605.50	595.64	1/4 PT
159	14+76.77	20.42 RT	70+19.76	24.96 RT	147708.36	802606.30	595.62	VPT
160	14+82.10	24.24 RT	70+23.73	19.74 RT	147713.68	802610.13	595.51	MID PT
161	14+85.98	29.32 RT	70+28.91	15.99 RT	147717.55	802615.22	595.40	VPC
162	14+86.90	31.18 RT	70+30.79	15.12 RT	147718.46	802617.09	595.37	1/4 PT
164	14+88.72	38.85 RT	70+38.51	13.51 RT	147720.26	802624.76	595.29	VPT
165	14+88.74	39.42 RT	70+39.08	13.50 RT	147720.28	802625.33	595.29	PT/LP
166	14+66.75	40.00 RT	70+39.08	35.50 RT	147698.29	802625.85	0.00	RADIUS
167	14+66.84	18.00 RT	70+17.09	34.83 RT	147698.43	802603.85	595.72	FLANGE
168	14+72.84	18.86 RT	70+18.10	28.85 RT	147698.92	802607.22	595.65	GRADE BREAK
169	14+85.80	28.99 RT	70+28.58	16.17 RT	147717.36	802614.90	595.41	FLANGE
170	14+88.17	34.99 RT	70+34.63	13.95 RT	147719.72	802620.90	595.32	FLANGE
171	14+62.73	39.50 RT	70+38.47	39.50 RT	147694.27	802625.34	0.00	RADIUS
172	14+62.73	24.50 RT	70+23.48	39.10 RT	147694.31	802610.34	595.93	PC
173	14+67.34	25.22 RT	70+24.32	34.52 RT	147698.91	802611.08	595.80	PT
174	14+67.34	23.36 RT	70+22.46	34.47 RT	147698.92	802609.22	595.74	GRADE BREAK
175	14+67.34	20.51 RT	70+19.61	34.40 RT	147698.93	802606.36	595.64	
176	14+64.34	20.51 RT	70+19.53	37.40 RT	147695.93	802606.36	596.15	
177	14+62.73	29.50 RT	70+28.47	39.24 RT	147694.30	802615.34	596.01	PC
178	14+65.80	29.98 RT	70+29.04	36.18 RT	147697.37	802615.83	595.87	GRADE BREAK
179	14+72.16	36.17 RT	70+35.39	29.99 RT	147703.71	802622.03	595.74	GRADE BREAK
180	14+72.73	39.24 RT	70+38.47	29.50 RT	147704.27	802625.10	595.88	PT
181	14+72.69	42.71 RT	70+41.94	29.63 RT	147704.22	802628.58	596.03	
182	14+72.34	21.32 RT	70+20.55	29.42 RT	147703.92	802607.19	595.59	
183	14+72.34	23.36 RT	70+22.59	29.47 RT	147703.92	802609.23	595.68	GRADE BREAK
184	14+72.34	25.22 RT	70+24.45	29.52 RT	147703.91	802611.09	595.72	GRADE BREAK
185	14+72.34	27.98 RT	70+27.21	29.60 RT	147703.91	802613.85	595.74	PC

MADISON AVE. & LIBERTY ST. SE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
186	14+75.34	22.49 RT	70+21.80	26.45 RT	147706.92	802608.37	596.04	
187	14+73.91	29.50 RT	70+28.77	28.06 RT	147705.48	802615.37	595.72	PT
188	14+76.87	29.50 RT	70+28.85	25.10 RT	147708.44	802615.38	595.67	GRADE BREAK
189	14+81.13	29.50 RT	70+28.96	20.85 RT	147712.70	802615.39	595.46	GRADE BREAK
190	14+83.18	29.50 RT	70+29.01	18.80 RT	147714.75	802615.40	595.34	
191	14+81.43	27.16 RT	70+26.63	20.49 RT	147713.00	802613.05	595.90	
192	14+77.62	42.60 RT	70+41.96	24.70 RT	147709.15	802628.48	595.94	
193	14+77.73	39.10 RT	70+38.47	24.50 RT	147709.27	802624.99	595.80	PT
194	14+76.87	34.50 RT	70+33.85	25.23 RT	147708.43	802620.38	595.66	PC
195	14+81.13	34.50 RT	70+33.96	20.98 RT	147712.68	802620.39	595.41	
196	14+83.13	34.50 RT	70+34.01	18.98 RT	147714.68	802620.40	595.29	
197	14+85.46	34.50 RT	70+34.07	16.65 RT	147717.01	802620.40	595.25	
198	14+86.09	37.50 RT	70+37.09	16.10 RT	147717.63	802623.40	595.72	
199	14+52.73	29.50 RT	70+28.21	49.23 RT	147684.30	802615.32	596.44	
200	14+52.73	24.50 RT	70+23.21	49.10 RT	147684.31	802610.32	596.36	

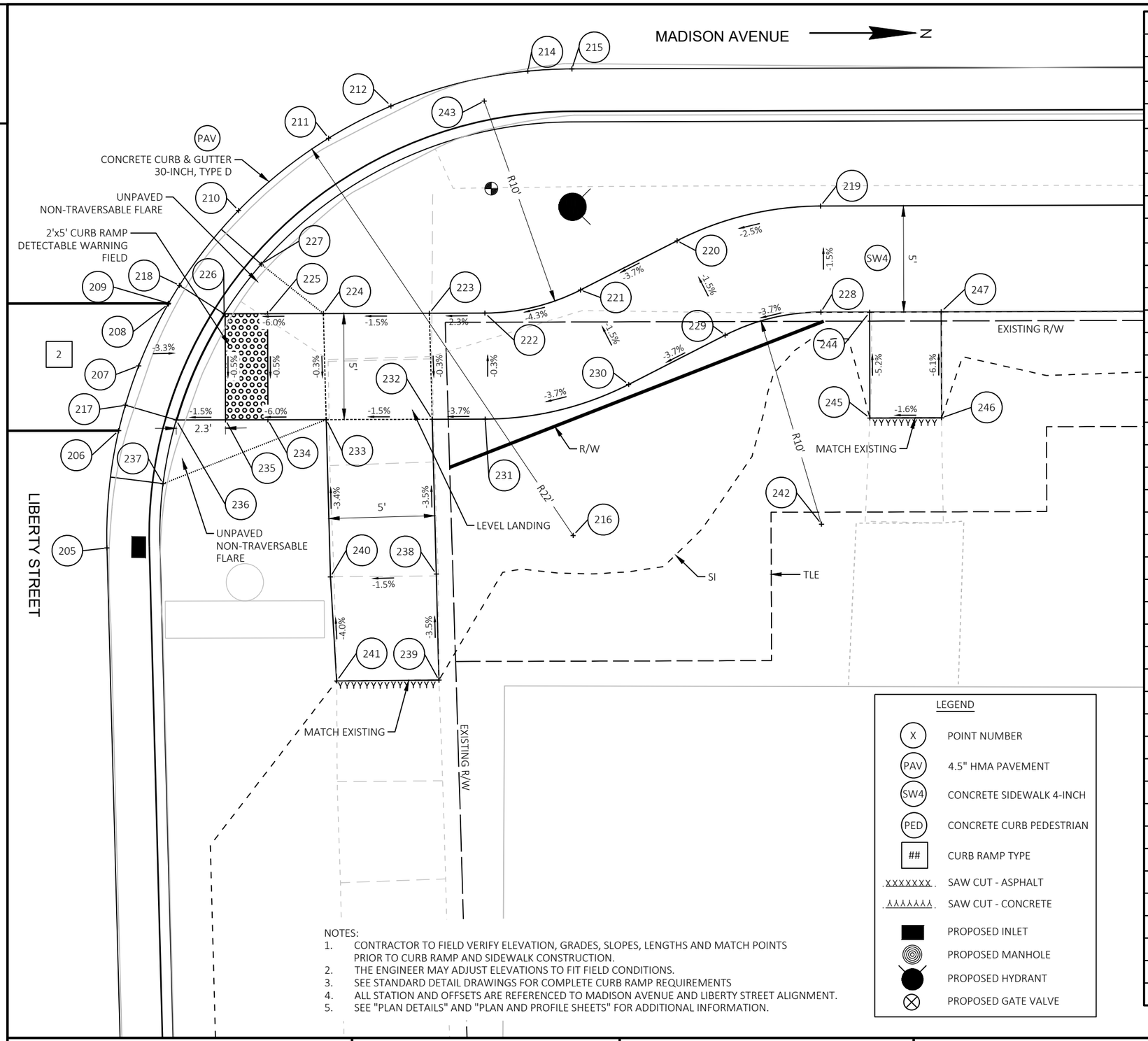
LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- XXXXXXX — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND LIBERTY STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & LIBERTY ST. SE QUAD	SHEET 17	E



MADISON AVE. & LIBERTY ST. NE INTERSECTION AND CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
205	15+15.67	40.52 RT	70+40.85	13.50 LT	147747.32	802626.46	595.30	PC/VPC
206	15+15.73	38.24 RT	70+38.57	13.62 LT	147747.89	802620.93	595.34	FLANGE
207	15+16.12	35.55 RT	70+35.90	14.07 LT	147748.84	802617.88	595.37	1/4 PT
208	15+17.19	31.94 RT	70+32.31	15.23 LT	147750.23	802614.98	595.39	GRADE BREAK
209	15+17.70	30.83 RT	70+31.21	15.76 LT	147750.26	802614.93	595.39	FLANGE
210	15+21.92	24.63 RT	70+25.11	20.13 LT	147753.57	802610.57	595.48	MID PT
211	15+26.18	21.23 RT	70+21.82	24.47 LT	147757.83	802607.17	595.58	VPC
212	15+29.12	19.72 RT	70+20.38	27.45 LT	147760.77	802605.66	595.62	1/4 PT
214	15+35.59	18.10 RT	70+18.91	33.94 LT	147767.23	802604.04	595.68	VPT
215	15+37.66	18.00 RT	70+18.86	36.02 LT	147769.31	802603.94	595.68	PT
216	15+37.66	40.00 RT	70+40.85	35.50 LT	147769.31	802625.94	596.63	RADIUS
217	15+16.24	34.99 RT	70+35.34	14.20 LT	147748.20	802619.73	595.35	FLANGE
218	15+18.61	28.99 RT	70+29.40	16.72 LT	147750.77	802614.09	595.41	
219	15+49.37	24.50 RT	70+25.64	47.58 LT	147781.02	802610.44	596.30	PT
220	15+42.60	26.12 RT	70+27.09	40.77 LT	147774.25	802612.05	596.13	PC
221	15+38.04	28.42 RT	70+29.29	36.15 LT	147769.69	802614.36	595.94	PT
222	15+33.53	29.50 RT	70+30.26	31.62 LT	147765.17	802615.44	595.74	PC
223	15+30.91	29.50 RT	70+30.20	29.00 LT	147762.56	802615.44	595.68	GRADE BREAK
224	15+25.91	29.50 RT	70+30.08	24.00 LT	147757.56	802615.44	595.61	GRADE BREAK
225	15+23.28	29.50 RT	70+30.02	21.37 LT	147754.93	802615.44	595.45	
226	15+21.23	29.50 RT	70+29.97	19.32 LT	147752.88	802615.44	595.33	
227	15+22.98	27.16 RT	70+27.67	21.13 LT	147754.63	802613.10	595.88	
228	15+49.37	29.50 RT	70+30.63	47.46 LT	147781.02	802615.44	596.38	PT
229	15+44.86	30.58 RT	70+31.60	42.92 LT	147776.51	802616.51	596.20	PC
230	15+40.30	32.88 RT	70+33.80	38.30 LT	147771.94	802618.82	596.02	PT
231	15+33.53	34.50 RT	70+35.26	31.50 LT	147765.17	802620.44	595.76	PC
232	15+31.03	34.50 RT	70+35.20	29.00 LT	147762.68	802620.44	595.66	GRADE BREAK
233	15+26.03	34.50 RT	70+35.08	24.00 LT	147757.67	802620.44	595.59	GRADE BREAK
234	15+23.28	34.50 RT	70+35.01	21.25 LT	147754.93	802620.44	595.43	
235	15+21.28	34.50 RT	70+34.97	19.25 LT	147752.93	802620.44	595.31	GRADE BREAK
236	15+18.95	34.50 RT	70+34.91	16.93 LT	147750.60	802620.44	595.27	
237	15+18.32	37.50 RT	70+37.90	16.23 LT	147749.97	802623.44	595.74	
238	15+31.20	41.80 RT	70+42.50	29.00 LT	147762.85	802627.74	595.92	
239	15+31.31	46.80 RT	70+47.50	28.99 LT	147762.96	802632.74	596.09	
240	15+26.20	41.92 RT	70+42.50	24.00 LT	147757.85	802627.86	595.84	GRADE BREAK
241	15+26.49	46.82 RT	70+47.41	24.17 LT	147758.14	802632.76	596.04	
242	15+49.37	39.50 RT	70+40.63	47.22 LT	147781.02	802625.44	0.00	RADIUS
243	15+33.53	19.50 RT	70+20.26	31.85 LT	147765.17	802605.44	595.62	RADIUS
244	15+51.67	29.52 RT	70+30.71	49.76 LT	147783.32	802615.45	596.39	
245	15+51.67	34.50 RT	70+35.69	49.64 LT	147783.32	802620.44	596.65	
246	15+55.05	34.50 RT	70+35.77	53.02 LT	147786.70	802620.44	596.70	
247	15+55.05	29.50 RT	70+30.77	53.13 LT	147786.70	802615.44	596.40	

LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- AAAAAAA — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND LIBERTY STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & LIBERTY ST. NE QUAD	SHEET 18	E

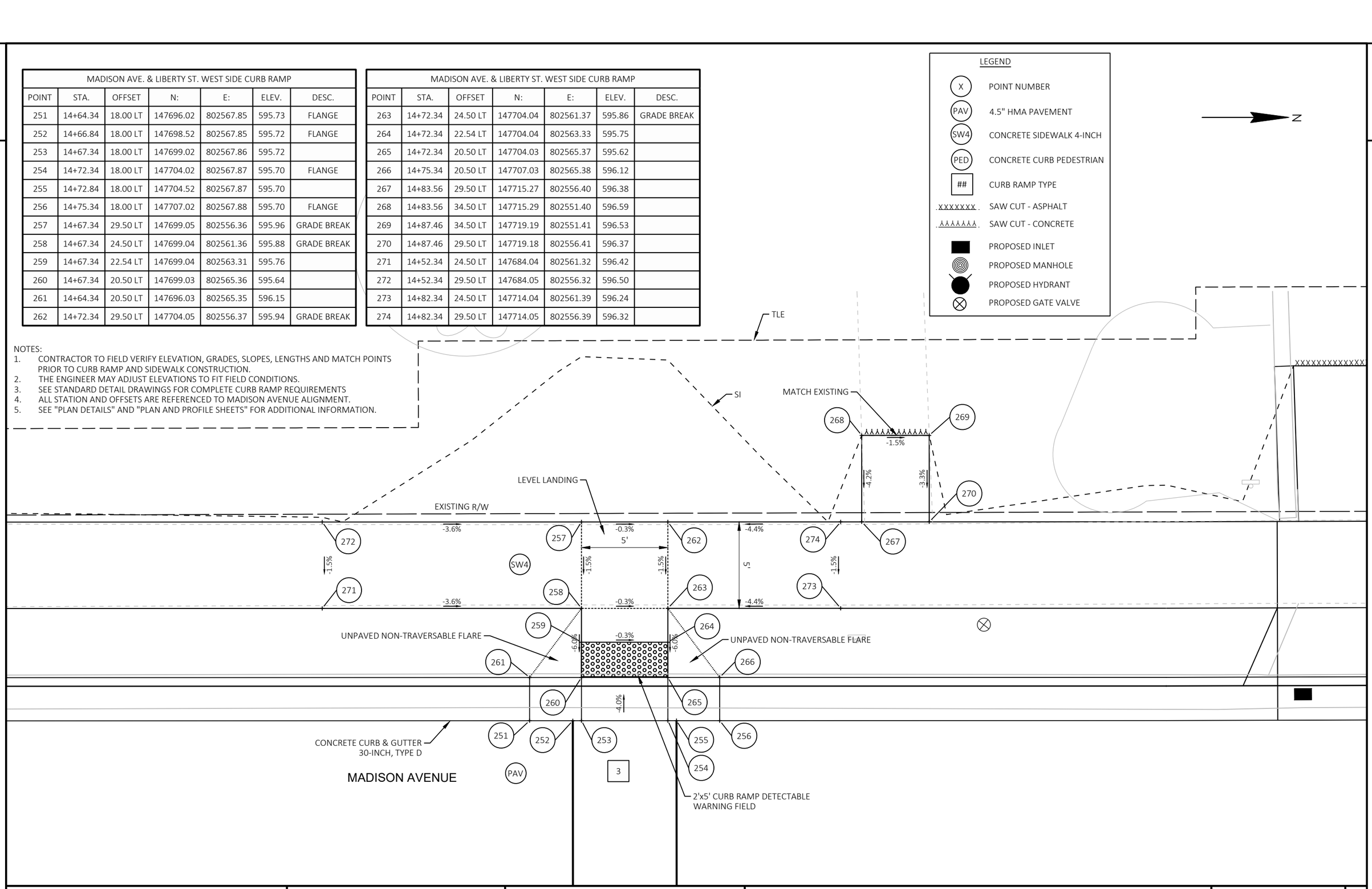
MADISON AVE. & LIBERTY ST. WEST SIDE CURB RAMP						
POINT	STA.	OFFSET	N:	E:	ELEV.	DESC.
251	14+64.34	18.00 LT	147696.02	802567.85	595.73	FLANGE
252	14+66.84	18.00 LT	147698.52	802567.85	595.72	FLANGE
253	14+67.34	18.00 LT	147699.02	802567.86	595.72	
254	14+72.34	18.00 LT	147704.02	802567.87	595.70	FLANGE
255	14+72.84	18.00 LT	147704.52	802567.87	595.70	
256	14+75.34	18.00 LT	147707.02	802567.88	595.70	FLANGE
257	14+67.34	29.50 LT	147699.05	802556.36	595.96	GRADE BREAK
258	14+67.34	24.50 LT	147699.04	802561.36	595.88	GRADE BREAK
259	14+67.34	22.54 LT	147699.04	802563.31	595.76	
260	14+67.34	20.50 LT	147699.03	802565.36	595.64	
261	14+64.34	20.50 LT	147696.03	802565.35	596.15	
262	14+72.34	29.50 LT	147704.05	802556.37	595.94	GRADE BREAK

MADISON AVE. & LIBERTY ST. WEST SIDE CURB RAMP						
POINT	STA.	OFFSET	N:	E:	ELEV.	DESC.
263	14+72.34	24.50 LT	147704.04	802561.37	595.86	GRADE BREAK
264	14+72.34	22.54 LT	147704.04	802563.33	595.75	
265	14+72.34	20.50 LT	147704.03	802565.37	595.62	
266	14+75.34	20.50 LT	147707.03	802565.38	596.12	
267	14+83.56	29.50 LT	147715.27	802556.40	596.38	
268	14+83.56	34.50 LT	147715.29	802551.40	596.59	
269	14+87.46	34.50 LT	147719.19	802551.41	596.53	
270	14+87.46	29.50 LT	147719.18	802556.41	596.37	
271	14+52.34	24.50 LT	147684.04	802561.32	596.42	
272	14+52.34	29.50 LT	147684.05	802556.32	596.50	
273	14+82.34	24.50 LT	147714.04	802561.39	596.24	
274	14+82.34	29.50 LT	147714.05	802556.39	596.32	

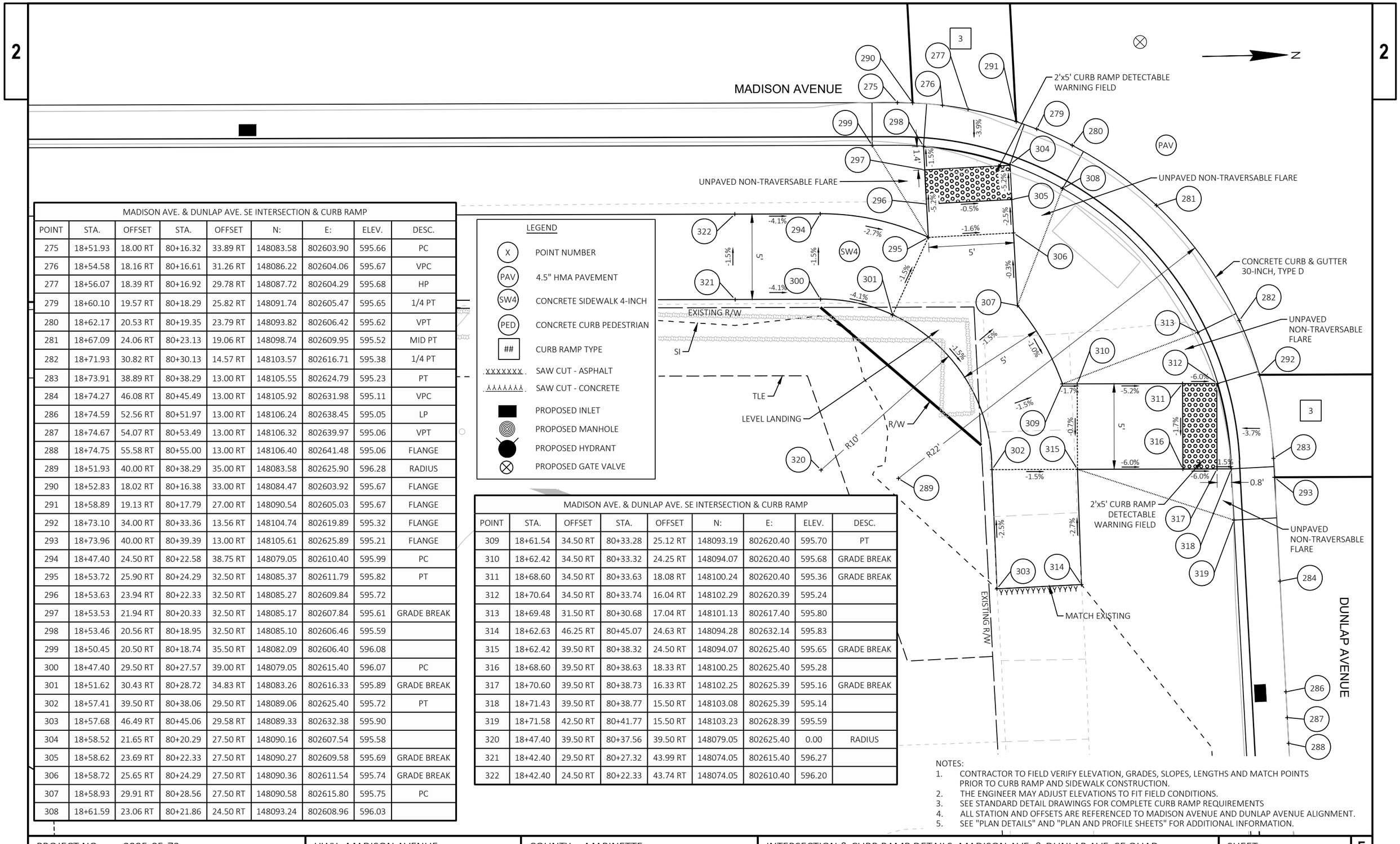
NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- ΛΛΛΛΛΛΛ — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & LIBERTY ST. WEST SIDE	SHEET 19	E



MADISON AVE. & DUNLAP AVE. SE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
275	18+51.93	18.00 RT	80+16.32	33.89 RT	148083.58	802603.90	595.66	PC
276	18+54.58	18.16 RT	80+16.61	31.26 RT	148086.22	802604.06	595.67	VPC
277	18+56.07	18.39 RT	80+16.92	29.78 RT	148087.72	802604.29	595.68	HP
279	18+60.10	19.57 RT	80+18.29	25.82 RT	148091.74	802605.47	595.65	1/4 PT
280	18+62.17	20.53 RT	80+19.35	23.79 RT	148093.82	802606.42	595.62	VPT
281	18+67.09	24.06 RT	80+23.13	19.06 RT	148098.74	802609.95	595.52	MID PT
282	18+71.93	30.82 RT	80+30.13	14.57 RT	148103.57	802616.71	595.38	1/4 PT
283	18+73.91	38.89 RT	80+38.29	13.00 RT	148105.55	802624.79	595.23	PT
284	18+74.27	46.08 RT	80+45.49	13.00 RT	148105.92	802631.98	595.11	VPC
286	18+74.59	52.56 RT	80+51.97	13.00 RT	148106.24	802638.45	595.05	LP
287	18+74.67	54.07 RT	80+53.49	13.00 RT	148106.32	802639.97	595.06	VPT
288	18+74.75	55.58 RT	80+55.00	13.00 RT	148106.40	802641.48	595.06	FLANGE
289	18+51.93	40.00 RT	80+38.29	35.00 RT	148083.58	802625.90	596.28	RADIUS
290	18+52.83	18.02 RT	80+16.38	33.00 RT	148084.47	802603.92	595.67	FLANGE
291	18+58.89	19.13 RT	80+17.79	27.00 RT	148090.54	802605.03	595.67	FLANGE
292	18+73.10	34.00 RT	80+33.36	13.56 RT	148104.74	802619.89	595.32	FLANGE
293	18+73.96	40.00 RT	80+39.39	13.00 RT	148105.61	802625.89	595.21	FLANGE
294	18+47.40	24.50 RT	80+22.58	38.75 RT	148079.05	802610.40	595.99	PC
295	18+53.72	25.90 RT	80+24.29	32.50 RT	148085.37	802611.79	595.82	PT
296	18+53.63	23.94 RT	80+22.33	32.50 RT	148085.27	802609.84	595.72	
297	18+53.53	21.94 RT	80+20.33	32.50 RT	148085.17	802607.84	595.61	GRADE BREAK
298	18+53.46	20.56 RT	80+18.95	32.50 RT	148085.10	802606.46	595.59	
299	18+50.45	20.50 RT	80+18.74	35.50 RT	148082.09	802606.40	596.08	
300	18+47.40	29.50 RT	80+27.57	39.00 RT	148079.05	802615.40	596.07	PC
301	18+51.62	30.43 RT	80+28.72	34.83 RT	148083.26	802616.33	595.89	GRADE BREAK
302	18+57.41	39.50 RT	80+38.06	29.50 RT	148089.06	802625.40	595.72	PT
303	18+57.68	46.49 RT	80+45.06	29.58 RT	148089.33	802632.38	595.90	
304	18+58.52	21.65 RT	80+20.29	27.50 RT	148090.16	802607.54	595.58	
305	18+58.62	23.69 RT	80+22.33	27.50 RT	148090.27	802609.58	595.69	GRADE BREAK
306	18+58.72	25.65 RT	80+24.29	27.50 RT	148090.36	802611.54	595.74	GRADE BREAK
307	18+58.93	29.91 RT	80+28.56	27.50 RT	148090.58	802615.80	595.75	PC
308	18+61.59	23.06 RT	80+21.86	24.50 RT	148093.24	802608.96	596.03	

LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- ΔΔΔΔΔΔΔ — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

MADISON AVE. & DUNLAP AVE. SE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
309	18+61.54	34.50 RT	80+33.28	25.12 RT	148093.19	802620.40	595.70	PT
310	18+62.42	34.50 RT	80+33.32	24.25 RT	148094.07	802620.40	595.68	GRADE BREAK
311	18+68.60	34.50 RT	80+33.63	18.08 RT	148100.24	802620.40	595.36	GRADE BREAK
312	18+70.64	34.50 RT	80+33.74	16.04 RT	148102.29	802620.39	595.24	
313	18+69.48	31.50 RT	80+30.68	17.04 RT	148101.13	802617.40	595.80	
314	18+62.63	46.25 RT	80+45.07	24.63 RT	148094.28	802632.14	595.83	
315	18+62.42	39.50 RT	80+38.32	24.50 RT	148094.07	802625.40	595.65	GRADE BREAK
316	18+68.60	39.50 RT	80+38.63	18.33 RT	148100.25	802625.40	595.28	
317	18+70.60	39.50 RT	80+38.73	16.33 RT	148102.25	802625.39	595.16	GRADE BREAK
318	18+71.43	39.50 RT	80+38.77	15.50 RT	148103.08	802625.39	595.14	
319	18+71.58	42.50 RT	80+41.77	15.50 RT	148103.23	802628.39	595.59	
320	18+47.40	39.50 RT	80+37.56	39.50 RT	148079.05	802625.40	0.00	RADIUS
321	18+42.40	29.50 RT	80+27.32	43.99 RT	148074.05	802615.40	596.27	
322	18+42.40	24.50 RT	80+22.33	43.74 RT	148074.05	802610.40	596.20	

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND DUNLAP AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

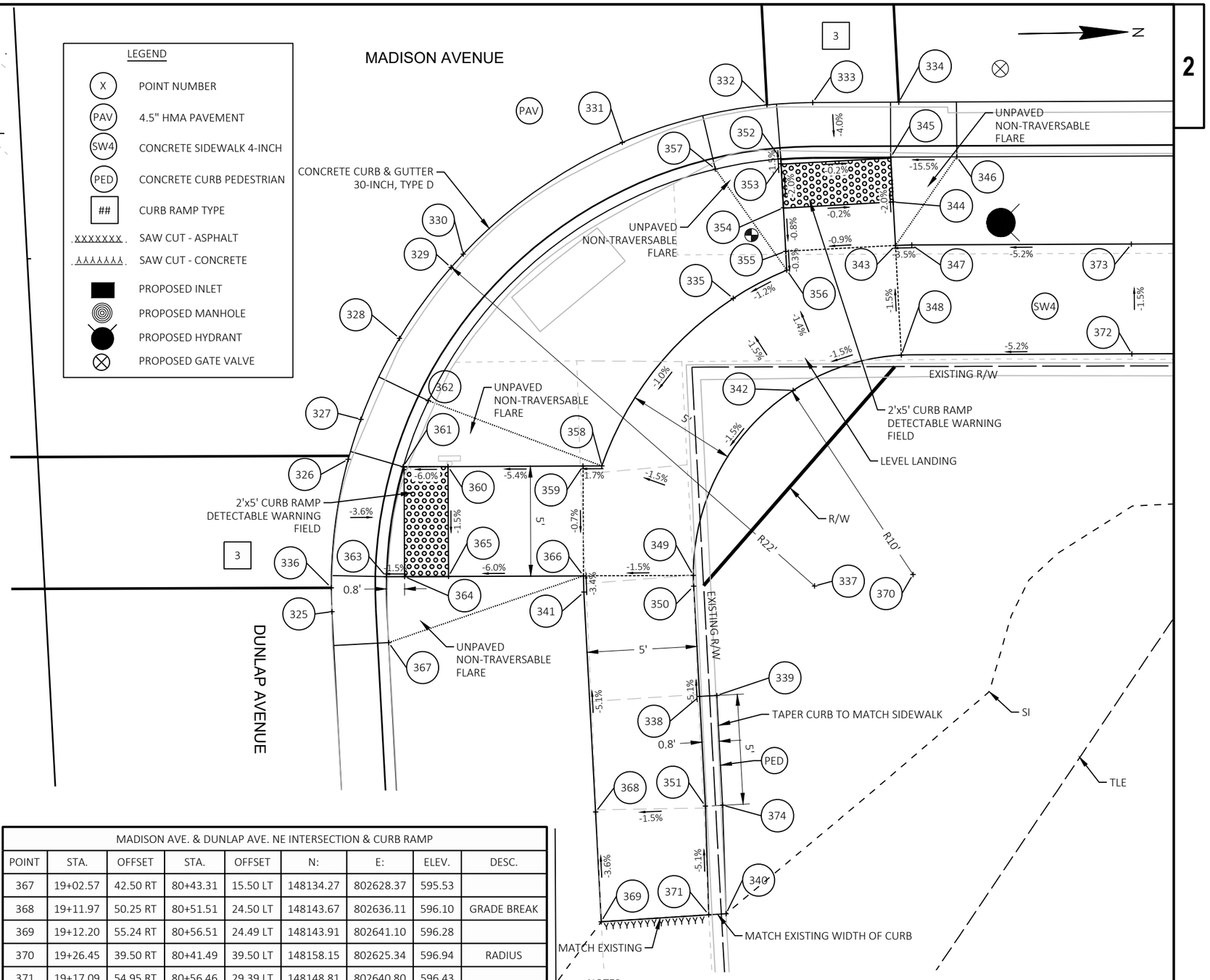
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & DUNLAP AVE. SE QUAD	SHEET 20	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 08
PLOT DATE : 2/18/2026 11:10 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

MADISON AVE. & DUNLAP AVE. NE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
325	19+00.00	41.08 RT	80+41.77	13.00 LT	148131.69	802626.96	595.12	PC
326	19+00.76	34.15 RT	80+34.89	14.10 LT	148132.45	802620.03	595.22	VPC
327	19+01.35	32.34 RT	80+33.10	14.78 LT	148133.04	802618.21	595.26	1/4 PT
328	19+01.76	31.32 RT	80+32.11	15.23 LT	148134.80	802614.53	595.39	VPT
329	19+03.12	28.66 RT	80+29.51	16.73 LT	148137.16	802611.30	595.54	VPC
330	19+05.49	25.43 RT	80+26.41	19.25 LT	148137.71	802610.70	595.57	MID PT
331	19+06.05	24.84 RT	80+25.85	19.84 LT	148144.97	802605.64	595.76	1/4 PT
332	19+09.19	22.09 RT	80+23.26	23.11 LT	148151.56	802603.95	595.80	FLANGE
333	19+13.31	19.78 RT	80+21.15	27.34 LT	148153.64	802603.85	595.80	PT
334	19+13.55	19.67 RT	80+21.06	27.59 LT	148157.56	802603.84	595.79	FLANGE
335	19+20.33	18.06 RT	80+19.78	34.43 LT	148150.00	802612.75	595.71	GRADE BREAK
336	19+21.97	18.00 RT	80+19.80	36.08 LT	148131.67	802625.87	595.13	FLANGE
337	19+21.97	40.00 RT	80+41.77	35.00 LT	148153.67	802625.85	596.37	RADIUS
338	18+99.97	40.00 RT	80+40.69	13.03 LT	148148.41	802630.86	595.92	
339	19+00.81	34.00 RT	80+34.73	14.16 LT	148149.20	802630.82	595.92	BACK OF CURB
340	19+19.89	18.10 RT	80+19.79	34.00 LT	148149.60	802640.75	597.10	BACK OF CURB
341	19+25.90	18.00 RT	80+19.99	40.00 LT	148143.17	802626.10	595.59	GRADE BREAK
342	19+28.52	18.00 RT	80+20.12	42.62 LT	148152.71	802616.94	595.79	
343	19+25.72	24.52 RT	80+26.49	39.50 LT	148157.39	802610.36	595.79	GRADE BREAK
344	19+25.61	22.54 RT	80+24.51	39.49 LT	148157.29	802608.38	595.75	
345	19+25.52	20.50 RT	80+22.47	39.50 LT	148157.19	802606.34	595.71	
346	19+28.52	20.50 RT	80+22.62	42.50 LT	148160.19	802606.34	596.20	
347	19+26.45	29.50 RT	80+31.50	39.99 LT	148158.13	802610.34	595.86	GRADE BREAK
348	19+25.96	29.52 RT	80+31.50	39.50 LT	148157.64	802615.35	595.87	PT
349	19+16.45	39.50 RT	80+41.00	29.51 LT	148148.15	802625.35	595.64	GRADE BREAK
350	19+16.47	39.99 RT	80+41.49	29.50 LT	148148.16	802625.84	595.66	PC
351	19+16.96	50.00 RT	80+51.51	29.50 LT	148148.67	802635.85	596.18	
352	19+20.51	20.55 RT	80+22.28	34.50 LT	148152.18	802606.40	595.72	
353	19+20.52	20.80 RT	80+22.52	34.49 LT	148152.19	802606.63	595.72	GRADE BREAK
354	19+20.62	22.80 RT	80+24.52	34.50 LT	148152.30	802608.63	595.76	GRADE BREAK
355	19+20.72	24.76 RT	80+26.49	34.50 LT	148152.40	802610.61	595.75	GRADE BREAK
356	19+20.76	25.62 RT	80+27.35	34.50 LT	148152.44	802611.47	595.75	PT
357	19+17.53	21.01 RT	80+22.59	31.50 LT	148149.20	802606.86	596.20	
358	19+12.31	34.50 RT	80+35.80	25.62 LT	148144.00	802620.36	595.61	PC
359	19+11.45	34.50 RT	80+35.76	24.76 LT	148143.14	802620.36	595.60	GRADE BREAK
360	19+05.31	34.50 RT	80+35.46	18.63 LT	148137.00	802620.37	595.27	
361	19+03.27	34.50 RT	80+35.36	16.58 LT	148134.95	802620.37	595.15	
362	19+04.42	31.50 RT	80+32.42	17.89 LT	148136.11	802617.37	595.73	
363	19+02.48	39.50 RT	80+40.31	15.55 LT	148134.17	802625.37	595.06	
364	19+03.31	39.50 RT	80+40.35	16.38 LT	148135.00	802625.37	595.07	GRADE BREAK
365	19+05.31	39.50 RT	80+40.45	18.38 LT	148137.00	802625.37	595.19	
366	19+11.45	39.50 RT	80+40.75	24.52 LT	148143.15	802625.36	595.56	GRADE BREAK

LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- ΔΔΔΔΔΔΔ — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE



MADISON AVE. & DUNLAP AVE. NE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
367	19+02.57	42.50 RT	80+43.31	15.50 LT	148134.27	802628.37	595.53	
368	19+11.97	50.25 RT	80+51.51	24.50 LT	148143.67	802636.11	596.10	GRADE BREAK
369	19+12.20	55.24 RT	80+56.51	24.49 LT	148143.91	802641.10	596.28	
370	19+26.45	39.50 RT	80+41.49	39.50 LT	148158.15	802625.34	596.94	RADIUS
371	19+17.09	54.95 RT	80+56.46	29.39 LT	148148.81	802640.80	596.43	
372	19+36.45	29.50 RT	80+32.00	49.98 LT	148168.13	802615.33	596.42	
373	19+36.45	24.50 RT	80+27.00	50.22 LT	148168.13	802610.33	596.34	
374	0+00.00	0.00	0+00.00	0.00	148149.46	802635.81	596.52	BACK OF CURB

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND DUNLAP AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & DUNLAP AVE. NE QUAD	SHEET 21	E

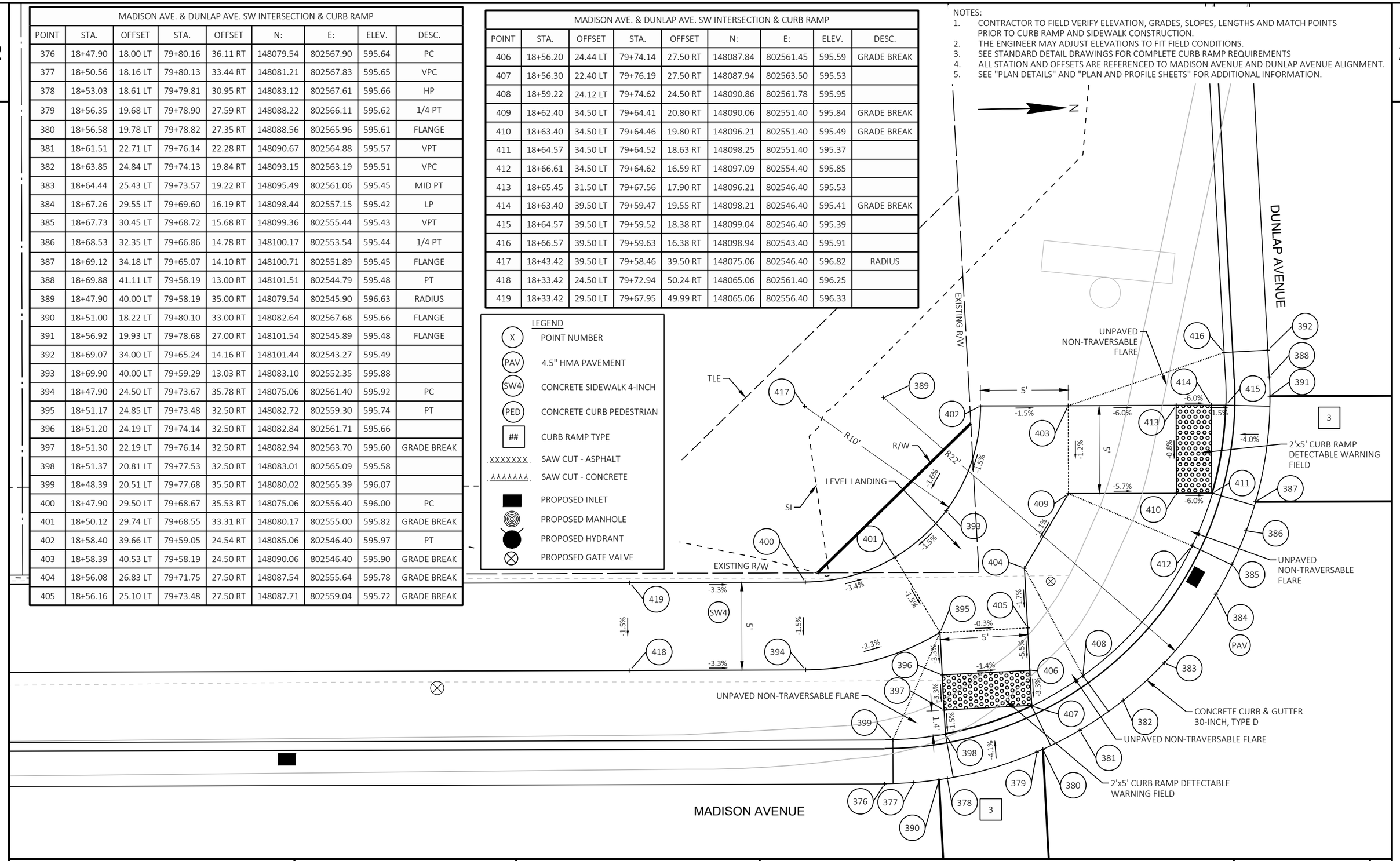
MADISON AVE. & DUNLAP AVE. SW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
376	18+47.90	18.00 LT	79+80.16	36.11 RT	148079.54	802567.90	595.64	PC
377	18+50.56	18.16 LT	79+80.13	33.44 RT	148081.21	802567.83	595.65	VPC
378	18+53.03	18.61 LT	79+79.81	30.95 RT	148083.12	802567.61	595.66	HP
379	18+56.35	19.68 LT	79+78.90	27.59 RT	148088.22	802566.11	595.62	1/4 PT
380	18+56.58	19.78 LT	79+78.82	27.35 RT	148088.56	802565.96	595.61	FLANGE
381	18+61.51	22.71 LT	79+76.14	22.28 RT	148090.67	802564.88	595.57	VPT
382	18+63.85	24.84 LT	79+74.13	19.84 RT	148093.15	802563.19	595.51	VPC
383	18+64.44	25.43 LT	79+73.57	19.22 RT	148095.49	802561.06	595.45	MID PT
384	18+67.26	29.55 LT	79+69.60	16.19 RT	148098.44	802557.15	595.42	LP
385	18+67.73	30.45 LT	79+68.72	15.68 RT	148099.36	802555.44	595.43	VPT
386	18+68.53	32.35 LT	79+66.86	14.78 RT	148100.17	802553.54	595.44	1/4 PT
387	18+69.12	34.18 LT	79+65.07	14.10 RT	148100.71	802551.89	595.45	FLANGE
388	18+69.88	41.11 LT	79+58.19	13.00 RT	148101.51	802544.79	595.48	PT
389	18+47.90	40.00 LT	79+58.19	35.00 RT	148079.54	802545.90	596.63	RADIUS
390	18+51.00	18.22 LT	79+80.10	33.00 RT	148082.64	802567.68	595.66	FLANGE
391	18+56.92	19.93 LT	79+78.68	27.00 RT	148101.54	802545.89	595.48	FLANGE
392	18+69.07	34.00 LT	79+65.24	14.16 RT	148101.44	802543.27	595.49	
393	18+69.90	40.00 LT	79+59.29	13.03 RT	148083.10	802552.35	595.88	
394	18+47.90	24.50 LT	79+73.67	35.78 RT	148075.06	802561.40	595.92	PC
395	18+51.17	24.85 LT	79+73.48	32.50 RT	148082.72	802559.30	595.74	PT
396	18+51.20	24.19 LT	79+74.14	32.50 RT	148082.84	802561.71	595.66	
397	18+51.30	22.19 LT	79+76.14	32.50 RT	148082.94	802563.70	595.60	GRADE BREAK
398	18+51.37	20.81 LT	79+77.53	32.50 RT	148083.01	802565.09	595.58	
399	18+48.39	20.51 LT	79+77.68	35.50 RT	148080.02	802565.39	596.07	
400	18+47.90	29.50 LT	79+68.67	35.53 RT	148075.06	802556.40	596.00	PC
401	18+50.12	29.74 LT	79+68.55	33.31 RT	148080.17	802555.00	595.82	GRADE BREAK
402	18+58.40	39.66 LT	79+59.05	24.54 RT	148085.06	802546.40	595.97	PT
403	18+58.39	40.53 LT	79+58.19	24.50 RT	148090.06	802546.40	595.90	GRADE BREAK
404	18+56.08	26.83 LT	79+71.75	27.50 RT	148087.54	802555.64	595.78	GRADE BREAK
405	18+56.16	25.10 LT	79+73.48	27.50 RT	148087.71	802559.04	595.72	GRADE BREAK

MADISON AVE. & DUNLAP AVE. SW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
406	18+56.20	24.44 LT	79+74.14	27.50 RT	148087.84	802561.45	595.59	GRADE BREAK
407	18+56.30	22.40 LT	79+76.19	27.50 RT	148087.94	802563.50	595.53	
408	18+59.22	24.12 LT	79+74.62	24.50 RT	148090.86	802561.78	595.95	
409	18+62.40	34.50 LT	79+64.41	20.80 RT	148090.06	802551.40	595.84	GRADE BREAK
410	18+63.40	34.50 LT	79+64.46	19.80 RT	148096.21	802551.40	595.49	GRADE BREAK
411	18+64.57	34.50 LT	79+64.52	18.63 RT	148098.25	802551.40	595.37	
412	18+66.61	34.50 LT	79+64.62	16.59 RT	148097.09	802554.40	595.85	
413	18+65.45	31.50 LT	79+67.56	17.90 RT	148096.21	802546.40	595.53	
414	18+63.40	39.50 LT	79+59.47	19.55 RT	148098.21	802546.40	595.41	GRADE BREAK
415	18+64.57	39.50 LT	79+59.52	18.38 RT	148099.04	802546.40	595.39	
416	18+66.57	39.50 LT	79+59.63	16.38 RT	148098.94	802543.40	595.91	
417	18+43.42	39.50 LT	79+58.46	39.50 RT	148075.06	802546.40	596.82	RADIUS
418	18+33.42	24.50 LT	79+72.94	50.24 RT	148065.06	802561.40	596.25	
419	18+33.42	29.50 LT	79+67.95	49.99 RT	148065.06	802556.40	596.33	

LEGEND

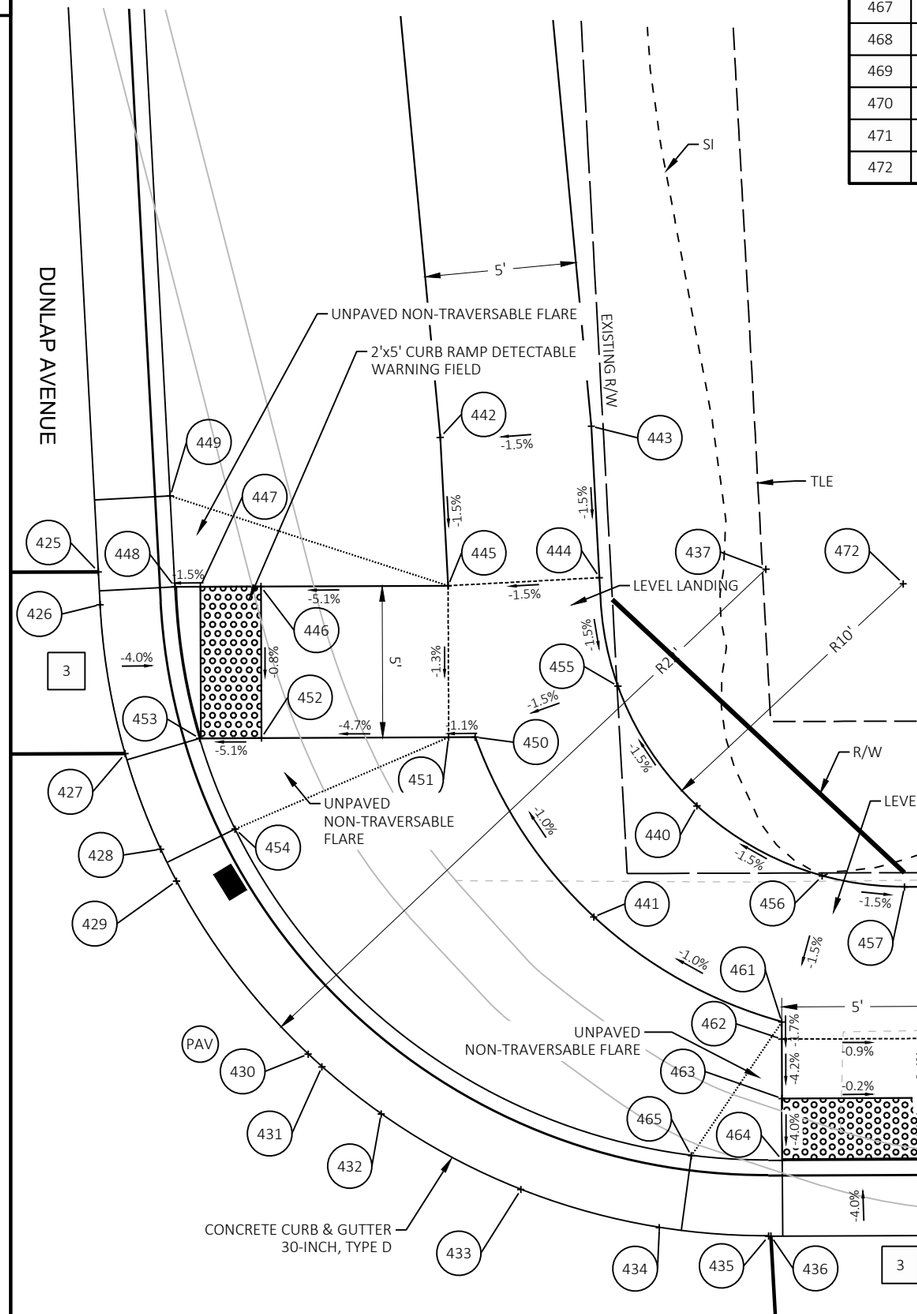
- (X) POINT NUMBER
- (PAV) 4.5" HMA PAVEMENT
- (SW4) CONCRETE SIDEWALK 4-INCH
- (PED) CONCRETE CURB PEDESTRIAN
- [##] CURB RAMP TYPE
- XXXXXXX SAW CUT - ASPHALT
- AAAAAAA SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND DUNLAP AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & DUNLAP AVE. SW QUAD	SHEET 22	E

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND DUNLAP AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

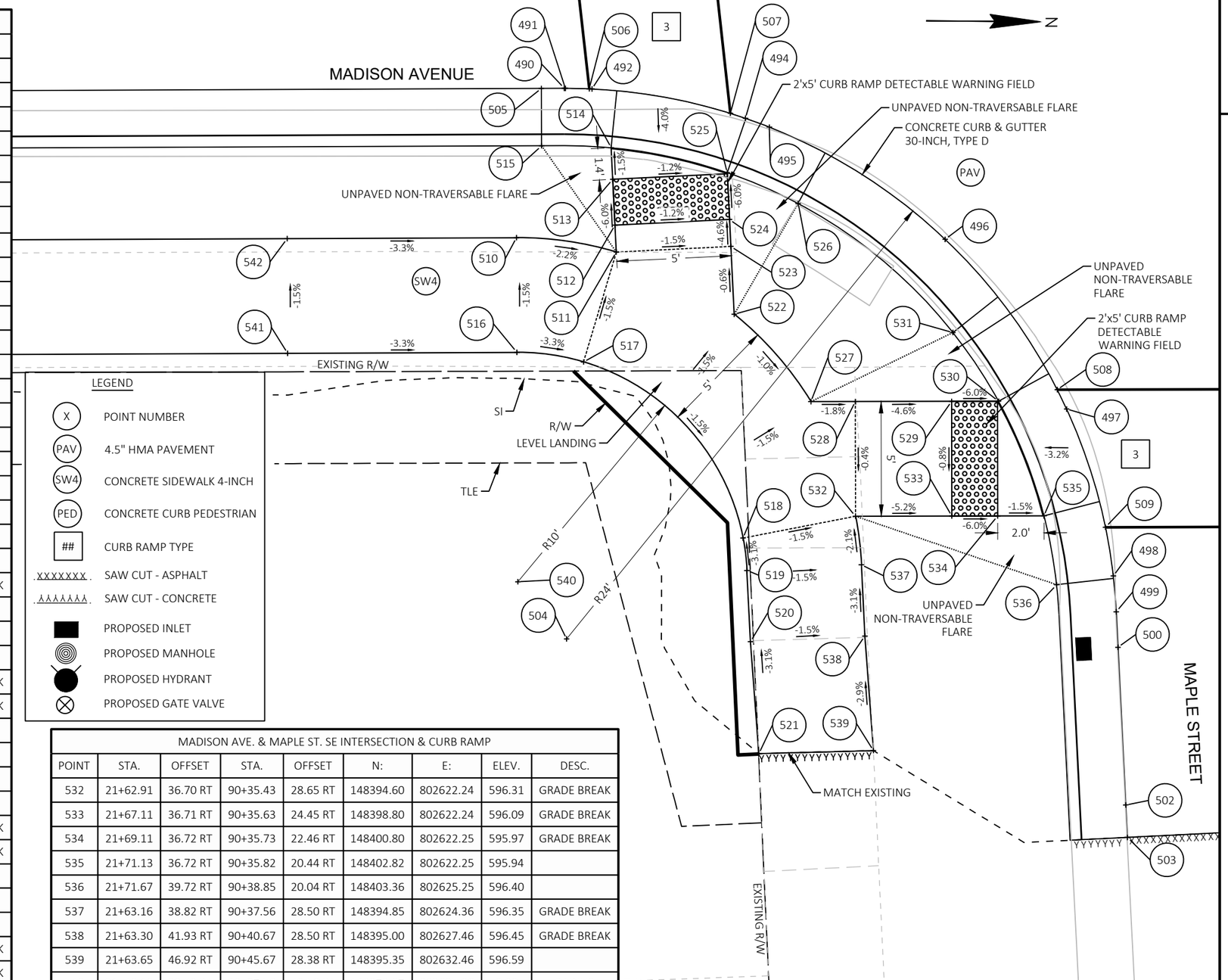


MADISON AVE. & DUNLAP AVE. NW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
465	19+15.50	20.67 LT	79+80.86	31.52 LT	148147.12	802565.19	596.22	
466	19+23.50	24.50 LT	79+77.42	39.70 LT	148155.11	802561.34	595.85	GRADE BREAK
467	19+23.50	22.54 LT	79+79.38	39.60 LT	148155.12	802563.30	595.80	
468	19+23.50	20.50 LT	79+81.42	39.50 LT	148155.12	802565.34	595.72	
469	19+26.51	20.50 LT	79+81.57	42.50 LT	148158.12	802565.34	596.21	
470	19+28.50	24.50 LT	79+77.67	44.69 LT	148160.11	802561.34	596.03	
471	19+33.50	24.50 LT	79+77.91	49.68 LT	148170.12	802561.32	596.41	
472	19+22.57	39.50 LT	79+62.39	39.50 LT	148154.16	802546.34	0.00	

MADISON AVE. & DUNLAP AVE. NW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
425	18+96.06	38.92 LT	79+61.67	13.00 LT	148127.60	802545.88	595.47	FLANGE
426	18+97.12	33.18 LT	79+67.46	13.78 LT	148127.66	802546.96	595.46	PC
427	18+98.04	30.84 LT	79+69.84	14.57 LT	148128.47	802551.87	595.44	FLANGE
428	18+98.17	30.56 LT	79+70.13	14.69 LT	148129.63	802555.03	595.42	1/4 PT
429	18+99.73	27.79 LT	79+72.96	16.12 LT	148130.15	802556.08	595.42	LP
430	19+02.87	24.07 LT	79+76.84	19.07 LT	148134.48	802561.80	595.53	MID PT
431	19+03.70	23.32 LT	79+77.63	19.86 LT	148134.93	802562.22	595.55	VPT
432	19+04.47	22.68 LT	79+78.30	20.60 LT	148136.89	802563.78	595.63	VPC
433	19+08.72	20.07 LT	79+81.12	24.72 LT	148141.49	802566.29	595.76	1/4 PT
434	19+09.87	19.57 LT	79+81.67	25.84 LT	148146.05	802567.56	595.80	VPT
435	19+13.45	18.48 LT	79+82.94	29.36 LT	148149.66	802567.85	595.81	PT/HP
436	19+18.04	18.00 LT	79+83.65	33.92 LT	148149.74	802567.85	595.81	FLANGE
437	19+18.04	40.00 LT	79+61.67	35.00 LT	148149.63	802545.85	0.00	RADIUS
438	18+95.89	42.38 LT	79+58.21	13.00 LT	148155.74	802567.84	595.80	FLANGE
439	18+96.01	40.00 LT	79+60.59	13.00 LT	148158.12	802567.84	595.79	FLANGE
440	18+96.87	34.00 LT	79+66.62	13.56 LT	148147.33	802553.65	595.90	
441	19+18.12	18.00 LT	79+83.65	34.00 LT	148143.92	802557.31	595.83	
442	19+24.13	18.00 LT	79+83.95	40.00 LT	148138.89	802541.47	595.89	
443	19+26.51	18.00 LT	79+84.06	42.38 LT	148143.88	802541.12	595.96	
444	19+12.54	39.75 LT	79+61.66	29.50 LT	148144.13	802546.11	595.89	PC
445	19+07.55	39.50 LT	79+61.66	24.50 LT	148139.14	802546.36	595.81	GRADE BREAK
446	19+01.37	39.50 LT	79+61.35	18.33 LT	148132.96	802546.37	595.50	
447	18+99.37	39.50 LT	79+61.26	16.33 LT	148130.96	802546.37	595.40	GRADE BREAK
448	18+98.54	39.50 LT	79+61.21	15.50 LT	148130.13	802546.38	595.39	
449	18+98.39	42.50 LT	79+58.21	15.50 LT	148129.98	802543.38	595.90	
450	19+08.43	34.50 LT	79+66.69	25.13 LT	148140.02	802551.36	595.76	PC
451	19+07.55	34.50 LT	79+66.65	24.25 LT	148139.15	802551.36	595.75	GRADE BREAK
452	19+01.37	34.50 LT	79+66.35	18.09 LT	148132.97	802551.37	595.46	GRADE BREAK
453	18+99.33	34.50 LT	79+66.25	16.04 LT	148130.93	802551.37	595.36	
454	19+00.49	31.50 LT	79+69.30	17.05 LT	148132.09	802554.37	595.84	
455	19+13.14	36.17 LT	79+65.26	29.92 LT	148144.74	802549.69	595.83	GRADE BREAK
456	19+19.86	29.87 LT	79+71.88	36.32 LT	148151.46	802555.97	595.98	GRADE BREAK
457	19+22.57	29.50 LT	79+72.38	39.01 LT	148154.17	802556.34	595.93	PT
458	19+23.50	29.50 LT	79+72.43	39.94 LT	148155.11	802556.34	595.92	GRADE BREAK
459	19+28.50	29.50 LT	79+72.67	44.94 LT	148160.11	802556.34	596.11	
460	19+33.50	29.50 LT	79+72.92	49.93 LT	148170.11	802556.33	596.48	
461	19+18.50	25.06 LT	79+76.62	34.73 LT	148150.11	802560.79	595.90	PT
462	19+18.50	24.50 LT	79+77.18	34.70 LT	148150.11	802561.35	595.89	GRADE BREAK
463	19+18.50	22.54 LT	79+79.13	34.61 LT	148150.12	802563.31	595.81	GRADE BREAK
464	19+18.50	20.50 LT	79+81.17	34.51 LT	148150.12	802565.35	595.73	

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & DUNLAP AVE. NW QUAD	SHEET 23	E

MADISON AVE. & MAPLE ST. SE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
490	21+50.29	18.00 RT	90+16.18	40.41 RT	148381.96	802603.55	596.34	PC
491	21+50.33	18.00 RT	90+16.18	40.37 RT	148382.00	802603.55	596.34	VPC
492	21+51.49	18.03 RT	90+16.26	39.21 RT	148383.16	802603.58	596.34	HP
494	21+58.18	19.34 RT	90+17.87	32.59 RT	148389.85	802604.88	596.30	VPT
495	21+59.22	19.72 RT	90+18.30	31.57 RT	148390.89	802605.27	596.29	1/4 PT
496	21+66.87	24.65 RT	90+23.57	24.15 RT	148398.55	802610.18	596.18	MID PT
497	21+72.14	32.07 RT	90+31.22	19.22 RT	148403.82	802617.59	596.07	1/4 PT
498	21+74.14	39.35 RT	90+38.59	17.55 RT	148405.84	802624.87	595.98	VPC
499	21+74.27	40.91 RT	90+40.15	17.50 RT	148405.96	802626.43	595.97	PT
500	21+74.34	42.46 RT	90+41.70	17.50 RT	148406.03	802627.98	595.96	LP
502	21+74.65	49.34 RT	90+48.58	17.50 RT	148406.35	802634.86	596.05	VPT
503	21+74.71	50.75 RT	90+50.00	17.50 RT	148406.42	802636.27	596.09	FLANGE
504	21+50.29	42.00 RT	90+40.15	41.50 RT	148381.99	802627.55	0.00	RADIUS
505	21+49.29	18.00 RT	90+16.13	41.41 RT	148380.95	802603.55	596.34	FLANGE
506	21+51.38	18.02 RT	90+16.25	39.33 RT	148383.04	802603.58	596.34	FLANGE
507	21+57.53	19.12 RT	90+17.62	33.23 RT	148389.19	802604.66	596.31	FLANGE
508	21+71.73	31.22 RT	90+30.36	19.59 RT	148403.42	802616.75	596.08	FLANGE
509	21+73.81	37.23 RT	90+36.45	17.79 RT	148405.50	802622.75	596.01	FLANGE
510	21+48.18	24.50 RT	90+22.57	42.82 RT	148379.85	802610.06	596.57	PC
511	21+52.53	25.15 RT	90+23.42	38.50 RT	148384.20	802610.70	596.47	PT
512	21+52.48	23.97 RT	90+22.24	38.50 RT	148384.15	802609.52	596.40	
513	21+52.39	21.97 RT	90+20.24	38.50 RT	148384.06	802607.52	596.28	GRADE BREAK
514	21+52.32	20.60 RT	90+18.86	38.50 RT	148383.99	802606.15	596.26	
515	21+49.29	20.60 RT	90+18.72	41.53 RT	148380.96	802606.05	596.76	
516	21+48.18	29.50 RT	90+27.57	43.05 RT	148379.86	802615.06	596.64	PC
517	21+51.08	29.93 RT	90+28.13	40.17 RT	148382.76	802615.48	596.55	GRADE BREAK
518	21+58.00	37.64 RT	90+36.14	33.60 RT	148389.69	802623.18	596.38	GRADE BREAK
519	21+58.17	39.05 RT	90+37.56	33.50 RT	148389.86	802624.59	596.43	PT
520	21+58.31	42.15 RT	90+40.67	33.50 RT	148390.00	802627.70	596.52	
521	21+58.66	47.03 RT	90+45.56	33.37 RT	148390.36	802632.58	596.68	
522	21+57.66	27.88 RT	90+26.38	33.50 RT	148389.34	802613.42	596.41	PC
523	21+57.52	24.92 RT	90+23.42	33.50 RT	148389.20	802610.46	596.39	GRADE BREAK
524	21+57.47	23.74 RT	90+22.24	33.50 RT	148389.14	802609.29	596.34	GRADE BREAK
525	21+57.38	21.70 RT	90+20.20	33.50 RT	148389.05	802607.25	596.22	
526	21+60.47	23.06 RT	90+21.69	30.48 RT	148392.14	802608.60	596.67	
527	21+60.99	31.70 RT	90+30.35	30.35 RT	148392.67	802617.24	596.36	PT
528	21+62.92	31.70 RT	90+30.44	28.41 RT	148394.61	802617.24	596.33	GRADE BREAK
529	21+67.12	31.71 RT	90+30.64	24.22 RT	148398.81	802617.24	596.13	GRADE BREAK
530	21+69.17	31.72 RT	90+30.73	22.17 RT	148400.85	802617.25	596.01	
531	21+67.19	28.71 RT	90+27.64	24.01 RT	148398.87	802614.24	596.56	



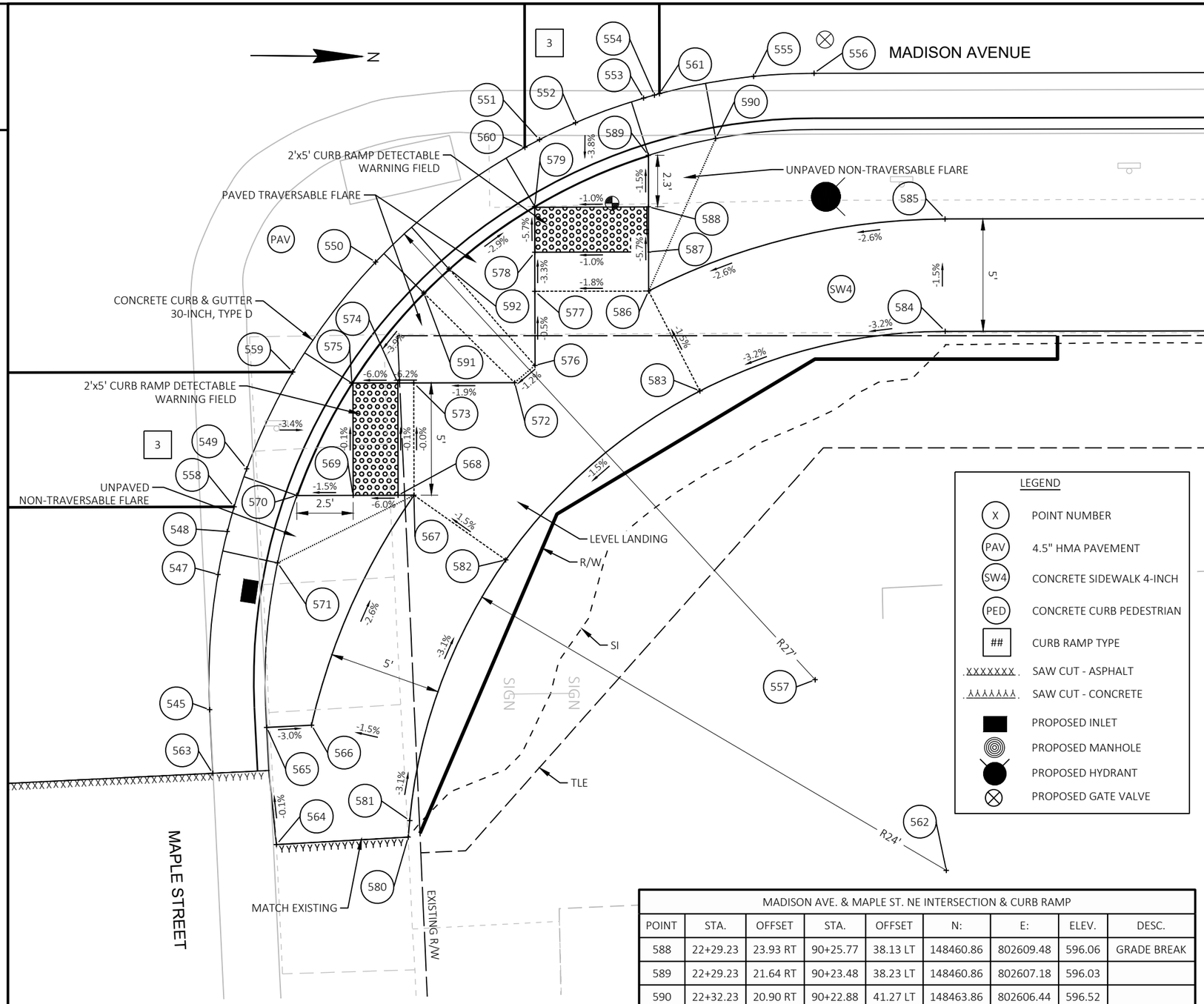
LEGEND

X	POINT NUMBER
PAV	4.5" HMA PAVEMENT
SW4	CONCRETE SIDEWALK 4-INCH
PED	CONCRETE CURB PEDESTRIAN
##	CURB RAMP TYPE
XXXXXXX	SAW CUT - ASPHALT
XXXXXXX	SAW CUT - CONCRETE
	PROPOSED INLET
	PROPOSED MANHOLE
	PROPOSED HYDRANT
	PROPOSED GATE VALVE

MADISON AVE. & MAPLE ST. SE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
532	21+62.91	36.70 RT	90+35.43	28.65 RT	148394.60	802622.24	596.31	GRADE BREAK
533	21+67.11	36.71 RT	90+35.63	24.45 RT	148398.80	802622.24	596.09	GRADE BREAK
534	21+69.11	36.72 RT	90+35.73	22.46 RT	148400.80	802622.25	595.97	GRADE BREAK
535	21+71.13	36.72 RT	90+35.82	20.44 RT	148402.82	802622.25	595.94	
536	21+71.67	39.72 RT	90+38.85	20.04 RT	148403.36	802625.25	596.40	
537	21+63.16	38.82 RT	90+37.56	28.50 RT	148394.85	802624.36	596.35	GRADE BREAK
538	21+63.30	41.93 RT	90+40.67	28.50 RT	148395.00	802627.46	596.45	GRADE BREAK
539	21+63.65	46.92 RT	90+45.67	28.38 RT	148395.35	802632.46	596.59	
540	21+48.18	39.50 RT	90+37.56	43.50 RT	148379.87	802625.06	0.00	RADIUS
541	21+38.18	29.50 RT	90+27.12	53.04 RT	148369.86	802615.07	596.97	
542	21+38.18	24.50 RT	90+22.12	52.81 RT	148369.85	802610.07	596.90	

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND MAPLE STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & MAPLE ST. SE QUAD	SHEET 24	E



MADISON AVE. & MAPLE ST. NE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
588	22+29.23	23.93 RT	90+25.77	38.13 LT	148460.86	802609.48	596.06	GRADE BREAK
589	22+29.23	21.64 RT	90+23.48	38.23 LT	148460.86	802607.18	596.03	
590	22+32.23	20.90 RT	90+22.88	41.27 LT	148463.86	802606.44	596.52	
591	22+19.22	27.75 RT	90+29.11	27.94 LT	148450.84	802613.28	596.13	BACK OF CURB
592	22+20.35	26.68 RT	90+28.10	29.12 LT	148451.97	802612.22	596.14	BACK OF CURB

MADISON AVE. & MAPLE ST. NE INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
545	22+09.65	46.28 RT	90+47.16	17.50 LT	148441.25	802631.81	596.01	PC/VPC
547	22+10.03	40.26 RT	90+41.17	18.17 LT	148441.64	802625.79	595.96	LP
548	22+10.45	38.35 RT	90+39.28	18.68 LT	148442.06	802623.88	595.97	VPT
549	22+11.32	35.56 RT	90+36.54	19.68 LT	148442.93	802621.09	595.98	1/4 PT
550	22+17.08	26.37 RT	90+27.62	25.87 LT	148448.70	802611.90	596.04	MID PT
551	22+24.39	20.93 RT	90+22.54	33.43 LT	148456.01	802606.47	596.09	VPC
552	22+25.99	20.18 RT	90+21.87	35.06 LT	148457.61	802605.72	596.10	1/4 PT
553	22+29.03	19.09 RT	90+20.92	38.15 LT	148460.65	802604.63	596.11	VPI
554	22+29.51	18.96 RT	90+20.81	38.64 LT	148461.13	802604.50	596.11	HP
555	22+33.93	18.13 RT	90+20.20	43.09 LT	148465.55	802603.68	596.10	VPT
556	22+36.62	18.00 RT	90+20.19	45.78 LT	148468.24	802603.55	596.09	PT
557	22+36.62	45.00 RT	90+47.16	44.50 LT	148468.22	802630.55	0.00	RADIUS
558	22+10.75	37.25 RT	90+38.20	19.03 LT	148442.36	802622.78	595.97	FLANGE
559	22+13.38	31.25 RT	90+32.33	21.94 LT	148444.99	802616.78	596.01	FLANGE
560	22+23.73	21.27 RT	90+22.85	32.76 LT	148455.36	802606.81	596.09	FLANGE
561	22+29.73	18.89 RT	90+20.76	38.86 LT	148461.36	802604.44	596.11	FLANGE
562	22+42.44	53.50 RT	90+55.93	49.92 LT	148474.04	802639.05	0.00	RADIUS
563	22+09.78	49.11 RT	90+50.00	17.50 LT	148441.38	802634.64	596.07	FLANGE
564	22+12.61	52.29 RT	90+53.31	20.18 LT	148444.21	802637.82	596.46	
565	22+12.19	47.07 RT	90+48.08	20.00 LT	148443.79	802632.60	596.45	
566	22+14.18	46.98 RT	90+48.08	22.00 LT	148445.79	802632.51	596.39	PC
567	22+18.77	36.75 RT	90+38.08	27.06 LT	148450.38	802622.29	596.10	PT
568	22+18.06	36.75 RT	90+38.05	26.35 LT	148449.67	802622.29	596.06	
569	22+16.06	36.75 RT	90+37.95	24.35 LT	148447.67	802622.28	595.94	GRADE BREAK
570	22+13.55	36.75 RT	90+37.83	21.85 LT	148445.16	802622.28	595.90	
571	22+12.68	39.75 RT	90+40.79	20.84 LT	148444.29	802625.28	596.38	
572	22+23.26	31.75 RT	90+33.30	31.78 LT	148454.87	802617.29	596.18	GRADE BREAK
573	22+18.77	31.75 RT	90+33.08	27.30 LT	148450.38	802617.29	596.10	GRADE BREAK
574	22+18.06	31.75 RT	90+33.05	26.59 LT	148449.67	802617.29	596.05	GRADE BREAK
575	22+16.01	31.75 RT	90+32.95	24.54 LT	148447.62	802617.28	595.93	
576	22+24.17	30.98 RT	90+32.57	32.73 LT	148455.78	802616.52	596.20	GRADE BREAK
577	22+24.17	27.68 RT	90+29.28	32.89 LT	148455.78	802613.22	596.18	GRADE BREAK
578	22+24.17	25.95 RT	90+27.54	32.97 LT	148455.79	802611.49	596.13	GRADE BREAK
579	22+24.17	23.90 RT	90+25.50	33.06 LT	148455.79	802609.44	596.00	
580	22+18.48	51.97 RT	90+53.27	26.05 LT	148450.08	802637.51	596.59	
581	22+18.55	51.24 RT	90+52.54	26.16 LT	148450.15	802636.77	596.56	PC
582	22+22.85	39.64 RT	90+41.16	31.00 LT	148454.46	802625.18	596.18	GRADE BREAK
583	22+31.51	32.13 RT	90+34.07	40.01 LT	148463.13	802617.68	596.35	GRADE BREAK
584	22+42.44	29.50 RT	90+31.96	51.05 LT	148474.06	802615.05	596.71	PT
585	22+42.44	24.50 RT	90+26.96	51.29 LT	148474.06	802610.05	596.64	PT
586	22+29.23	27.68 RT	90+29.52	37.95 LT	148460.85	802613.23	596.28	PC
587	22+29.23	25.94 RT	90+27.78	38.03 LT	148460.85	802611.49	596.18	

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND MAPLE STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

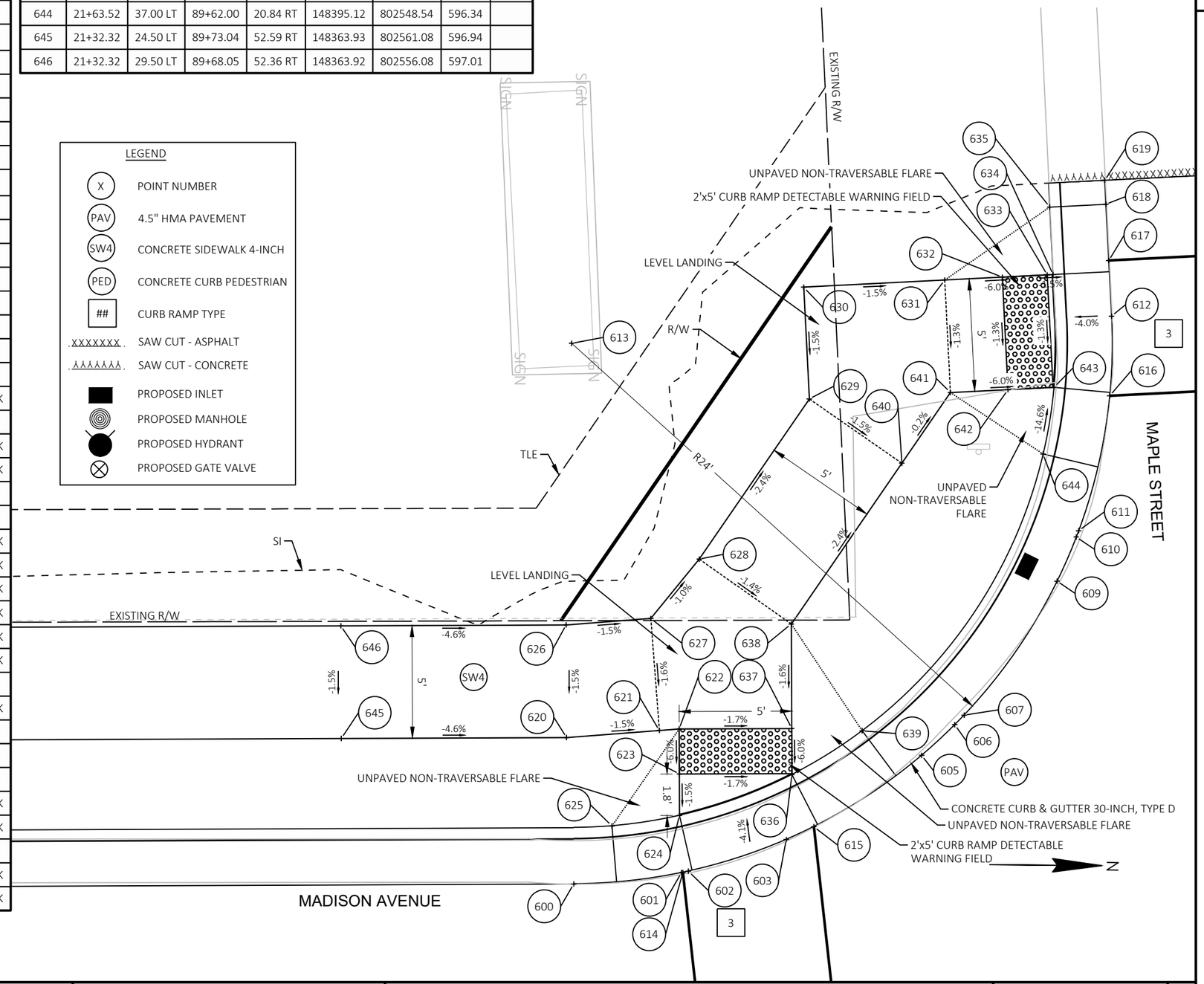
MADISON AVE. & MAPLE ST. SW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
600	21+42.61	18.00 LT	89+80.01	42.61 RT	148374.23	802567.56	596.33	PC
601	21+47.39	18.48 LT	89+79.75	37.82 RT	148379.01	802567.08	596.33	VPC
602	21+47.70	18.55 LT	89+79.70	37.50 RT	148379.32	802567.01	596.33	HP
603	21+52.05	19.93 LT	89+78.51	33.09 RT	148383.67	802565.62	596.30	1/4 PT
605	21+58.08	23.65 LT	89+75.08	26.90 RT	148389.69	802561.89	596.12	VPT
606	21+59.55	25.00 LT	89+73.80	25.36 RT	148391.16	802560.54	596.05	VPC
607	21+59.97	25.42 LT	89+73.40	24.92 RT	148391.58	802560.12	596.02	MID PT
609	21+64.12	31.35 LT	89+67.66	20.50 RT	148395.72	802554.18	595.90	LP
610	21+64.98	33.31 LT	89+65.75	19.55 RT	148396.58	802552.22	595.91	VPT
611	21+65.09	33.59 LT	89+65.48	19.43 RT	148396.69	802551.94	595.91	1/4 PT
612	21+66.59	43.11 LT	89+56.04	17.50 RT	148398.17	802542.42	596.01	PT
613	21+42.61	42.00 LT	89+56.04	41.50 RT	148374.20	802543.56	0.00	RADIUS
614	21+47.46	18.49 LT	89+79.74	37.74 RT	148379.08	802567.06	596.33	FLANGE
615	21+53.28	20.50 LT	89+78.01	31.84 RT	148384.89	802565.05	596.28	FLANGE
616	21+66.49	39.57 LT	89+59.57	17.76 RT	148398.08	802545.96	595.98	FLANGE
617	21+66.47	45.58 LT	89+53.57	17.50 RT	148398.05	802539.96	596.05	FLANGE
618	21+66.36	48.07 LT	89+51.07	17.50 RT	148397.94	802537.46	596.09	FLANGE
619	21+66.31	49.14 LT	89+50.00	17.50 RT	148397.89	802536.39	596.10	FLANGE
620	21+42.32	24.50 LT	89+73.50	42.60 RT	148373.93	802561.06	596.48	GRADE BREAK
621	21+46.44	24.80 LT	89+73.40	38.47 RT	148378.05	802560.76	596.41	
622	21+47.32	24.86 LT	89+73.37	37.59 RT	148378.93	802560.70	596.40	GRADE BREAK
623	21+47.32	22.86 LT	89+75.37	37.68 RT	148378.93	802562.70	596.28	GRADE BREAK
624	21+47.32	21.02 LT	89+77.21	37.77 RT	148378.93	802564.54	596.25	
625	21+44.32	20.57 LT	89+77.52	40.79 RT	148375.93	802564.99	596.75	
626	21+42.32	29.50 LT	89+68.51	42.37 RT	148373.92	802556.06	596.55	GRADE BREAK
627	21+46.08	29.77 LT	89+68.41	38.60 RT	148377.68	802555.79	596.49	GRADE BREAK
628	21+48.24	32.39 LT	89+65.89	36.32 RT	148379.84	802553.16	596.46	GRADE BREAK
629	21+53.15	39.49 LT	89+59.04	31.08 RT	148384.75	802546.06	596.26	GRADE BREAK
630	21+52.93	44.45 LT	89+54.07	31.08 RT	148384.51	802541.10	596.33	GRADE BREAK
631	21+59.19	44.74 LT	89+54.07	24.81 RT	148390.77	802540.80	596.24	GRADE BREAK
632	21+61.74	44.86 LT	89+54.07	22.26 RT	148393.33	802540.68	596.08	
633	21+63.74	44.95 LT	89+54.07	20.26 RT	148395.32	802540.59	595.96	GRADE BREAK
634	21+64.00	44.96 LT	89+54.07	20.00 RT	148395.58	802540.57	595.96	
635	21+63.86	47.96 LT	89+51.07	20.00 RT	148395.44	802537.58	596.51	
636	21+52.32	22.81 LT	89+75.65	32.69 RT	148383.93	802562.74	596.19	
637	21+52.32	24.86 LT	89+73.60	32.60 RT	148383.93	802560.69	596.32	GRADE BREAK
638	21+52.32	29.50 LT	89+68.97	32.38 RT	148383.92	802556.05	596.39	GRADE BREAK
639	21+55.44	24.75 LT	89+73.86	29.48 RT	148387.05	802560.80	596.59	
640	21+57.25	36.62 LT	89+62.09	27.12 RT	148388.84	802548.93	596.18	GRADE BREAK
641	21+59.42	39.74 LT	89+59.07	24.81 RT	148391.01	802545.80	596.17	GRADE BREAK

MADISON AVE. & MAPLE ST. SW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
642	21+61.97	39.86 LT	89+59.07	22.26 RT	148393.56	802545.68	596.02	
643	21+64.01	39.96 LT	89+59.07	20.22 RT	148395.60	802545.58	595.90	
644	21+63.52	37.00 LT	89+62.00	20.84 RT	148395.12	802548.54	596.34	
645	21+32.32	24.50 LT	89+73.04	52.59 RT	148363.93	802561.08	596.94	
646	21+32.32	29.50 LT	89+68.05	52.36 RT	148363.92	802556.08	597.01	

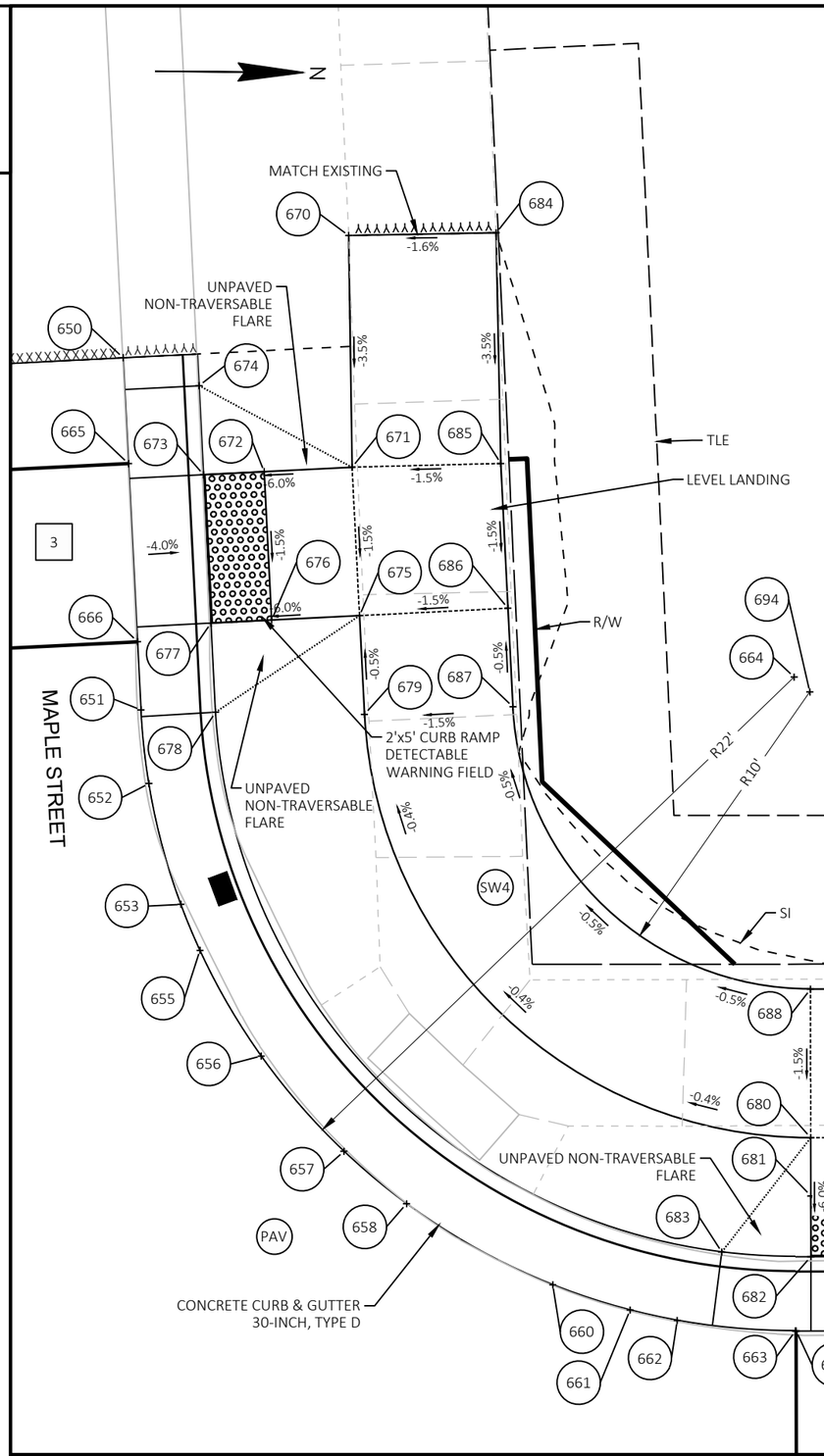
LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- ΛΛΛΛΛΛΛ — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND MAPLE STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & MAPLE ST. SW QUAD	SHEET 26	E



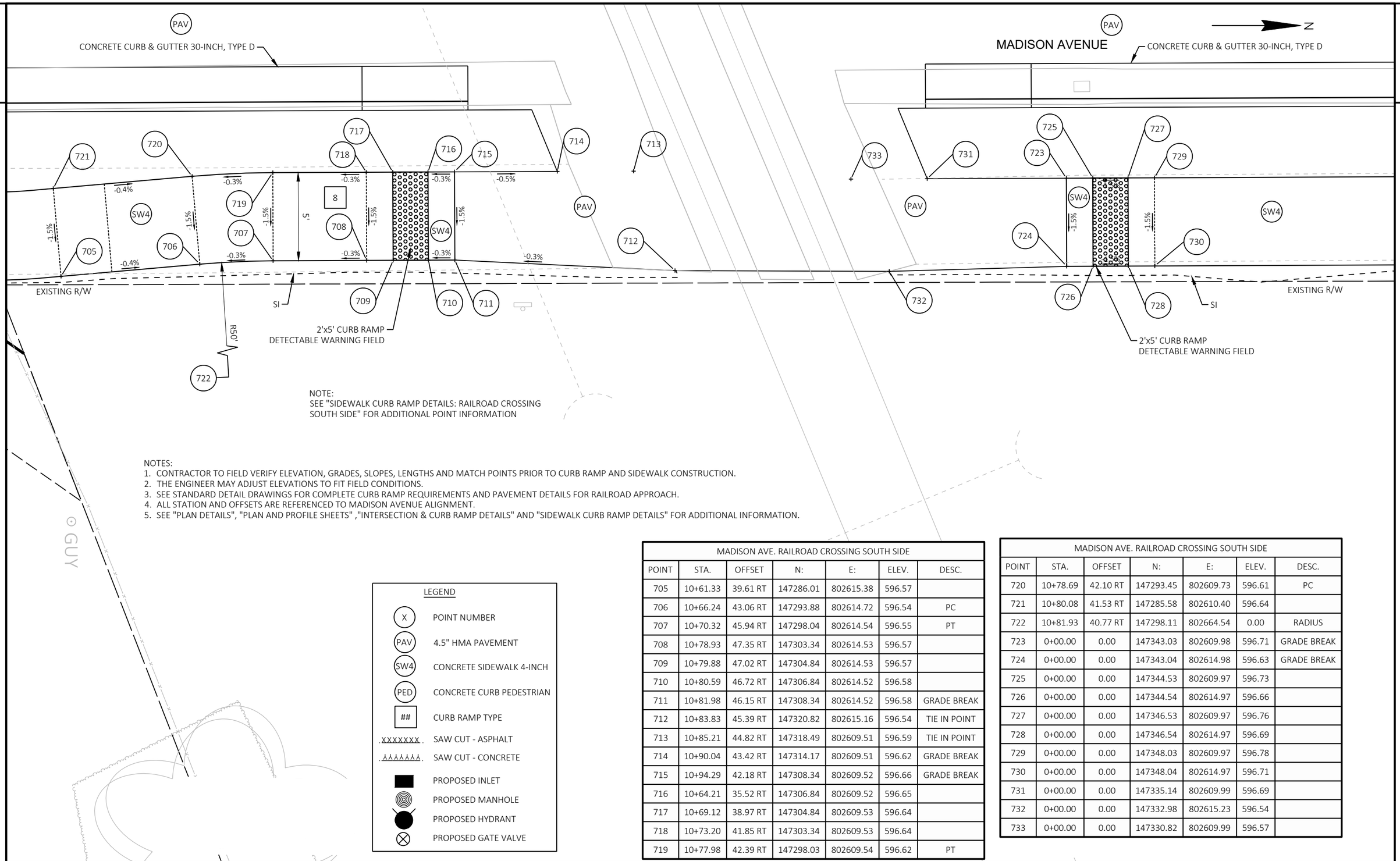
MADISON AVE. & MAPLE ST. NW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
650	22+01.16	50.79 LT	89+50.00	17.50 LT	148432.85	802534.73	596.13	FLANGE
651	22+01.73	38.94 LT	89+61.86	17.50 LT	148433.41	802546.58	595.95	PC
652	22+02.00	36.46 LT	89+64.35	17.64 LT	148433.67	802549.06	595.91	VPC
653	22+03.07	32.39 LT	89+68.46	18.51 LT	148434.73	802553.13	595.88	LP
655	22+03.70	30.85 LT	89+70.04	19.08 LT	148435.37	802554.68	595.89	1/4 PT
656	22+05.76	27.28 LT	89+73.70	20.95 LT	148437.42	802558.24	595.94	VPT
657	22+08.53	24.07 LT	89+77.04	23.57 LT	148440.19	802561.45	596.03	MID PT
658	22+10.63	22.31 LT	89+78.90	25.59 LT	148442.30	802563.22	596.09	VPC
660	22+15.55	19.57 LT	89+81.88	30.36 LT	148447.21	802565.96	596.16	1/4 PT
661	22+18.15	18.71 LT	89+82.86	32.92 LT	148449.80	802566.82	596.17	HP
662	22+19.73	18.36 LT	89+83.28	34.48 LT	148451.39	802567.17	596.17	VPT
663	22+23.71	18.00 LT	89+83.84	38.44 LT	148455.37	802567.54	596.15	PT
664	22+23.71	40.00 LT	89+61.86	39.50 LT	148455.38	802545.54	0.00	RADIUS
665	22+01.33	47.23 LT	89+53.57	17.50 LT	148433.02	802538.29	596.07	FLANGE
666	22+01.62	41.23 LT	89+59.57	17.50 LT	148433.30	802544.29	595.98	FLANGE
667	22+23.73	18.00 LT	89+83.84	38.46 LT	148455.39	802567.54	596.15	FLANGE
668	22+29.73	18.00 LT	89+84.13	44.46 LT	148461.39	802567.54	596.12	FLANGE
669	22+32.23	18.00 LT	89+84.25	46.95 LT	148463.89	802567.55	596.11	FLANGE
670	22+08.75	54.89 LT	89+46.27	25.28 LT	148440.44	802530.64	596.56	
671	22+08.85	47.09 LT	89+54.07	25.00 LT	148440.53	802538.44	596.29	GRADE BREAK
672	22+05.89	46.95 LT	89+54.07	22.04 LT	148437.58	802538.58	596.11	
673	22+03.86	46.85 LT	89+54.07	20.00 LT	148435.54	802538.68	595.99	
674	22+03.71	49.84 LT	89+51.07	20.00 LT	148435.39	802535.68	596.53	
675	22+09.09	42.09 LT	89+59.07	25.00 LT	148440.77	802543.43	596.21	GRADE BREAK

MADISON AVE. & MAPLE ST. NW INTERSECTION & CURB RAMP								
POINT	STA.	OFFSET	STA.	OFFSET	N:	E:	ELEV.	DESC.
676	22+06.14	41.95 LT	89+59.07	22.04 LT	148437.81	802543.57	596.03	
677	22+04.10	41.85 LT	89+59.07	20.00 LT	148435.77	802543.67	595.91	
678	22+04.24	38.86 LT	89+62.07	20.00 LT	148435.92	802546.67	596.35	
679	22+09.25	38.78 LT	89+62.39	25.00 LT	148440.93	802546.75	596.23	PC
680	22+24.23	24.50 LT	89+77.37	39.28 LT	148455.90	802561.04	596.31	PT
681	22+24.23	22.54 LT	89+79.33	39.18 LT	148455.89	802563.00	596.19	
682	22+24.23	20.50 LT	89+81.37	39.08 LT	148455.89	802565.04	596.07	
683	22+21.23	20.66 LT	89+81.06	36.09 LT	148452.89	802564.88	596.56	
684	22+13.71	54.97 LT	89+46.43	30.24 LT	148445.40	802530.56	596.64	
685	22+13.85	47.21 LT	89+54.19	30.00 LT	148445.53	802538.32	596.36	GRADE BREAK
686	22+14.08	42.34 LT	89+59.07	30.00 LT	148445.76	802543.20	596.29	GRADE BREAK
687	22+14.25	39.02 LT	89+62.39	30.00 LT	148445.92	802546.51	596.30	PC
688	22+24.23	29.50 LT	89+72.38	39.52 LT	148455.90	802556.04	596.38	PT
689	22+29.23	29.50 LT	89+72.62	44.51 LT	148460.90	802556.04	596.36	GRADE BREAK
690	22+29.23	24.50 LT	89+77.61	44.27 LT	148460.90	802561.04	596.29	GRADE BREAK
691	22+29.23	22.54 LT	89+79.57	44.18 LT	148460.89	802563.00	596.17	
692	22+29.23	20.50 LT	89+81.61	44.08 LT	148460.89	802565.04	596.05	
693	22+32.23	20.50 LT	89+81.75	47.07 LT	148463.89	802565.05	596.53	
694	22+24.23	39.50 LT	89+62.39	40.00 LT	148455.91	802546.04	0.00	RADIUS
695	22+39.23	24.50 LT	89+78.10	54.26 LT	148470.90	802561.05	596.65	
696	22+39.23	29.50 LT	89+73.10	54.50 LT	148470.90	802556.05	596.73	

LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- XXXXXXX — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE AND MAPLE STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.



NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS AND PAVEMENT DETAILS FOR RAILROAD APPROACH.
4. ALL STATION AND OFFSETS ARE REFERENCED TO MADISON AVENUE ALIGNMENT.
5. SEE "PLAN DETAILS", "PLAN AND PROFILE SHEETS" ,"INTERSECTION & CURB RAMP DETAILS" AND "SIDEWALK CURB RAMP DETAILS" FOR ADDITIONAL INFORMATION.

LEGEND

X	POINT NUMBER
PAV	4.5" HMA PAVEMENT
SW4	CONCRETE SIDEWALK 4-INCH
PED	CONCRETE CURB PEDESTRIAN
##	CURB RAMP TYPE
XXXXXXX	SAW CUT - ASPHALT
XXXXXXX	SAW CUT - CONCRETE
	PROPOSED INLET
	PROPOSED MANHOLE
	PROPOSED HYDRANT
	PROPOSED GATE VALVE

MADISON AVE. RAILROAD CROSSING SOUTH SIDE

POINT	STA.	OFFSET	N:	E:	ELEV.	DESC.
705	10+61.33	39.61 RT	147286.01	802615.38	596.57	
706	10+66.24	43.06 RT	147293.88	802614.72	596.54	PC
707	10+70.32	45.94 RT	147298.04	802614.54	596.55	PT
708	10+78.93	47.35 RT	147303.34	802614.53	596.57	
709	10+79.88	47.02 RT	147304.84	802614.53	596.57	
710	10+80.59	46.72 RT	147306.84	802614.52	596.58	
711	10+81.98	46.15 RT	147308.34	802614.52	596.58	GRADE BREAK
712	10+83.83	45.39 RT	147320.82	802615.16	596.54	TIE IN POINT
713	10+85.21	44.82 RT	147318.49	802609.51	596.59	TIE IN POINT
714	10+90.04	43.42 RT	147314.17	802609.51	596.62	GRADE BREAK
715	10+94.29	42.18 RT	147308.34	802609.52	596.66	GRADE BREAK
716	10+64.21	35.52 RT	147306.84	802609.52	596.65	
717	10+69.12	38.97 RT	147304.84	802609.53	596.64	
718	10+73.20	41.85 RT	147303.34	802609.53	596.64	
719	10+77.98	42.39 RT	147298.03	802609.54	596.62	PT

MADISON AVE. RAILROAD CROSSING SOUTH SIDE

POINT	STA.	OFFSET	N:	E:	ELEV.	DESC.
720	10+78.69	42.10 RT	147293.45	802609.73	596.61	PC
721	10+80.08	41.53 RT	147285.58	802610.40	596.64	
722	10+81.93	40.77 RT	147298.11	802664.54	0.00	RADIUS
723	0+00.00	0.00	147343.03	802609.98	596.71	GRADE BREAK
724	0+00.00	0.00	147343.04	802614.98	596.63	GRADE BREAK
725	0+00.00	0.00	147344.53	802609.97	596.73	
726	0+00.00	0.00	147344.54	802614.97	596.66	
727	0+00.00	0.00	147346.53	802609.97	596.76	
728	0+00.00	0.00	147346.54	802614.97	596.69	
729	0+00.00	0.00	147348.03	802609.97	596.78	
730	0+00.00	0.00	147348.04	802614.97	596.71	
731	0+00.00	0.00	147335.14	802609.99	596.69	
732	0+00.00	0.00	147332.98	802615.23	596.54	
733	0+00.00	0.00	147330.82	802609.99	596.57	

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	SIDEWALK CURB RAMP DETAILS: RAILROAD CROSSING	SHEET 28	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\021116-ID.DWG
LAYOUT NAME - 16
PLOT DATE : 2/20/2026 2:02 PM
PLOT BY : ENGLES, BRIAN
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

N

LEGEND

- X — POINT NUMBER
- PAV — 4.5" HMA PAVEMENT
- SW4 — CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- ## — CURB RAMP TYPE
- XXXXXXX — SAW CUT - ASPHALT
- AAAAAAA — SAW CUT - CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- PROPOSED HYDRANT
- PROPOSED GATE VALVE

MADISON AVE. RAILROAD CROSSING NORTH SIDE						
POINT	STA.	OFFSET	N:	E:	ELEV.	DESC.
752	50+14.26	13.06	147225.93	802601.55	595.78	PC
753	50+19.21	12.97	147226.64	802606.13	595.79	FLANGE
754	50+25.72	13.01	147227.24	802612.18	595.86	FLANGE
755	50+26.45	13.02	147227.28	802612.87	595.87	PT
756	50+26.39	15.52	147224.79	802613.02	596.23	
757	50+23.14	15.47	147224.56	802610.03	595.73	
758	50+17.59	15.49	147223.95	802604.95	595.70	
759	50+14.34	15.56	147223.47	802601.99	596.12	
760	50+22.46	18.51	147221.47	802609.73	595.84	
761	50+17.09	17.44	147221.96	802604.75	595.80	
762	50+22.22	19.56	147220.40	802609.62	595.90	GRADE BREAK
763	50+16.44	19.94	147219.39	802604.50	595.87	GRADE BREAK
764	50+27.75	19.23	147221.20	802614.56	595.98	
765	50+33.89	18.45	147222.40	802620.47	596.09	
766	50+34.10	24.18	147216.70	802621.09	596.25	
767	50+28.40	24.20	147216.29	802615.53	596.06	GRADE BREAK
768	50+22.72	24.54	147215.50	802610.59	595.97	GRADE BREAK
769	50+16.78	24.93	147214.49	802605.47	595.95	GRADE BREAK
770	50+11.08	25.35	147213.34	802600.60	596.11	
771	50+10.89	20.15	147218.44	802599.59	595.98	
772	50+16.83	18.48	147220.89	802604.65	595.85	GRADE BREAK
773	50+22.90	16.55	147223.46	802609.92	595.74	GRADE BREAK
774	50+21.04	112.96	147127.48	802619.07	0.00	RADIUS

NOTES:
1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
3. SEE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSETS ARE REFERENCED TO LEWIS STREET ALIGNMENT.
5. SEE "PLAN DETAILS" AND "PLAN AND PROFILE SHEETS" FOR ADDITIONAL INFORMATION.

MADISON AVENUE
10+00
50+00
EXISTING R/W
UNPAVED NON-TRAVERSABLE FLARE
CONCRETE CURB & GUTTER 30-INCH, TYPE D
LEWIS STREET
PAV
7B
TLE
LEVEL LANDING
2'x5' CURB RAMP DETECTABLE WARNING FIELD
R/W
R100'
SI
PT: 50+29.42
UNPAVED NON-TRAVERSABLE FLARE
EXISTING R/W
5'
-2.6%
-2.0%
-2.3%
-1.5%
-5.0%
-4.0%
-0.9%
-1.8%
-3.4%
-2.7%

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	INTERSECTION & CURB RAMP DETAILS: LEWIS ST. AND MADISON AVE. SOUTH	SHEET 29	E

NOTE:
PAVE OVER THE RAILROAD TIMBERS WHILE PROTECTING THE FLANGE WAY.

BEGIN CONSTRUCTION
STA 9+92
MATCH EXISTING
SAW CUT REQ'D

PC: 49+67.38
N68°10'14"E
BP: 9+79.62
N0°04'41"W
PT: 50+29.42
N85°56'43"E
EP: 50+97.48

PI STA = 49+98.65
Y = 147238.280
X = 802583.517
DELTA = 17°46'28" RT
D = 28°38'52"
T = 31.27'
L = 62.04'
R = 200.00'
PC STA = 49+67.38
PT STA = 50+29.42

LEWIS STREET

MADISON AVENUE

WISCONSIN STREET

EXISTING R/W

MATCH LINE STA. 12+75

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & LEWIS ST. SOUTH" FOR ADDITIONAL INFORMATION

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & LEWIS ST. NE QUAD" FOR ADDITIONAL INFORMATION

SEE "SIDEWALK CURB RAMP DETAILS: RAILROAD CROSSING" FOR ADDITIONAL INFORMATION

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & WISCONSIN ST. SE QUAD" FOR ADDITIONAL INFORMATION

END CONSTRUCTION
STA 60+80
MATCH EXISTING
SAW CUT REQ'D

LEGEND

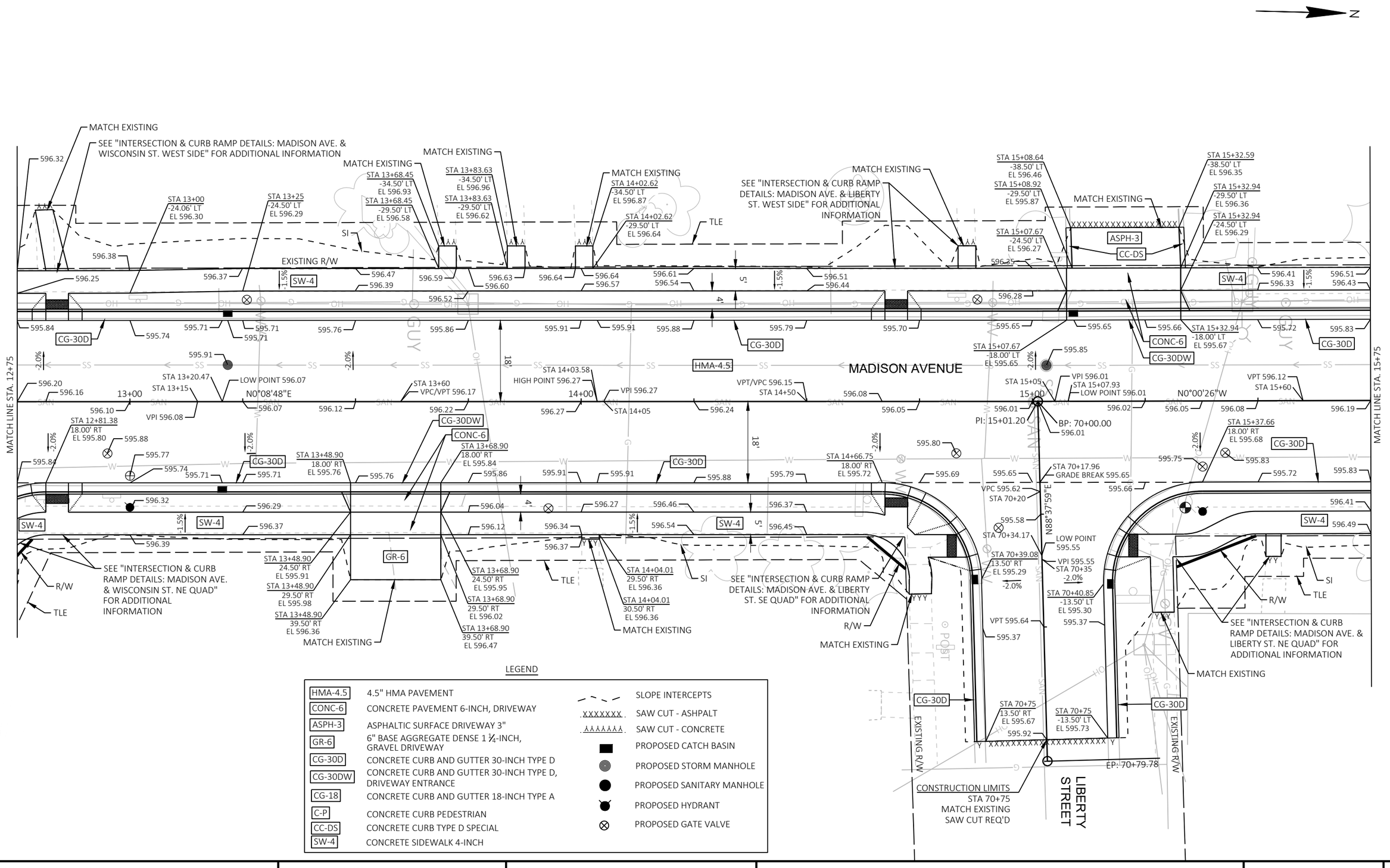
HMA-4.5	4.5" HMA PAVEMENT
CONC-6	CONCRETE PAVEMENT 6-INCH, DRIVEWAY
ASPH-3	ASPHALTIC SURFACE DRIVEWAY 3"
GR-6	6" BASE AGGREGATE DENSE 1 ¼-INCH, GRAVEL DRIVEWAY
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-30DW	CONCRETE CURB AND GUTTER 30-INCH TYPE D, DRIVEWAY ENTRANCE
CG-18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
C-P	CONCRETE CURB PEDESTRIAN
CC-DS	CONCRETE CURB TYPE D SPECIAL
SW-4	CONCRETE SIDEWALK 4-INCH

SLOPE INTERCEPTS
SAW CUT - ASHPALT
SAW CUT - CONCRETE
PROPOSED CATCH BASIN
PROPOSED STORM MANHOLE
PROPOSED SANITARY MANHOLE
PROPOSED HYDRANT
PROPOSED GATE VALVE

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN DETAILS:	SHEET 30 E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 01
PLOT DATE : 2/20/2026 2:11 PM
PLOT BY : ENGLES, BRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

2

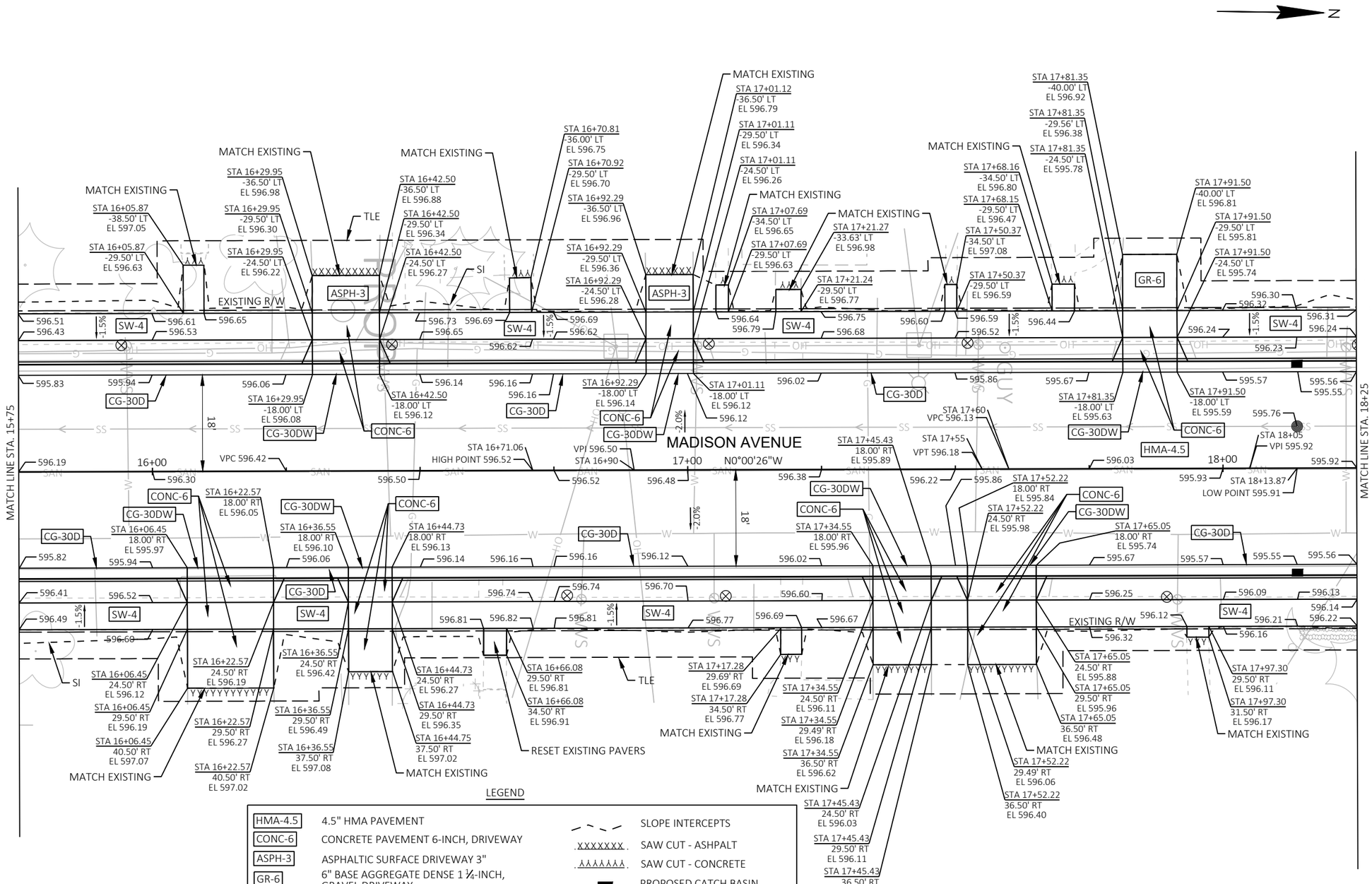


LEGEND

HMA-4.5	4.5" HMA PAVEMENT
CONC-6	CONCRETE PAVEMENT 6-INCH, DRIVEWAY
ASPH-3	ASPHALTIC SURFACE DRIVEWAY 3"
GR-6	6" BASE AGGREGATE DENSE 1 ¼-INCH, GRAVEL DRIVEWAY
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CG-30DW	CONCRETE CURB AND GUTTER 30-INCH TYPE D, DRIVEWAY ENTRANCE
CG-18	CONCRETE CURB AND GUTTER 18-INCH TYPE A
C-P	CONCRETE CURB PEDESTRIAN
CC-DS	CONCRETE CURB TYPE D SPECIAL
SW-4	CONCRETE SIDEWALK 4-INCH
	SLOPE INTERCEPTS
XXXXXXX	SAW CUT - ASHPALT
ΛΛΛΛΛΛΛ	SAW CUT - CONCRETE
	PROPOSED CATCH BASIN
	PROPOSED STORM MANHOLE
	PROPOSED SANITARY MANHOLE
	PROPOSED HYDRANT
	PROPOSED GATE VALVE

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN DETAILS:	SHEET 31	E

2

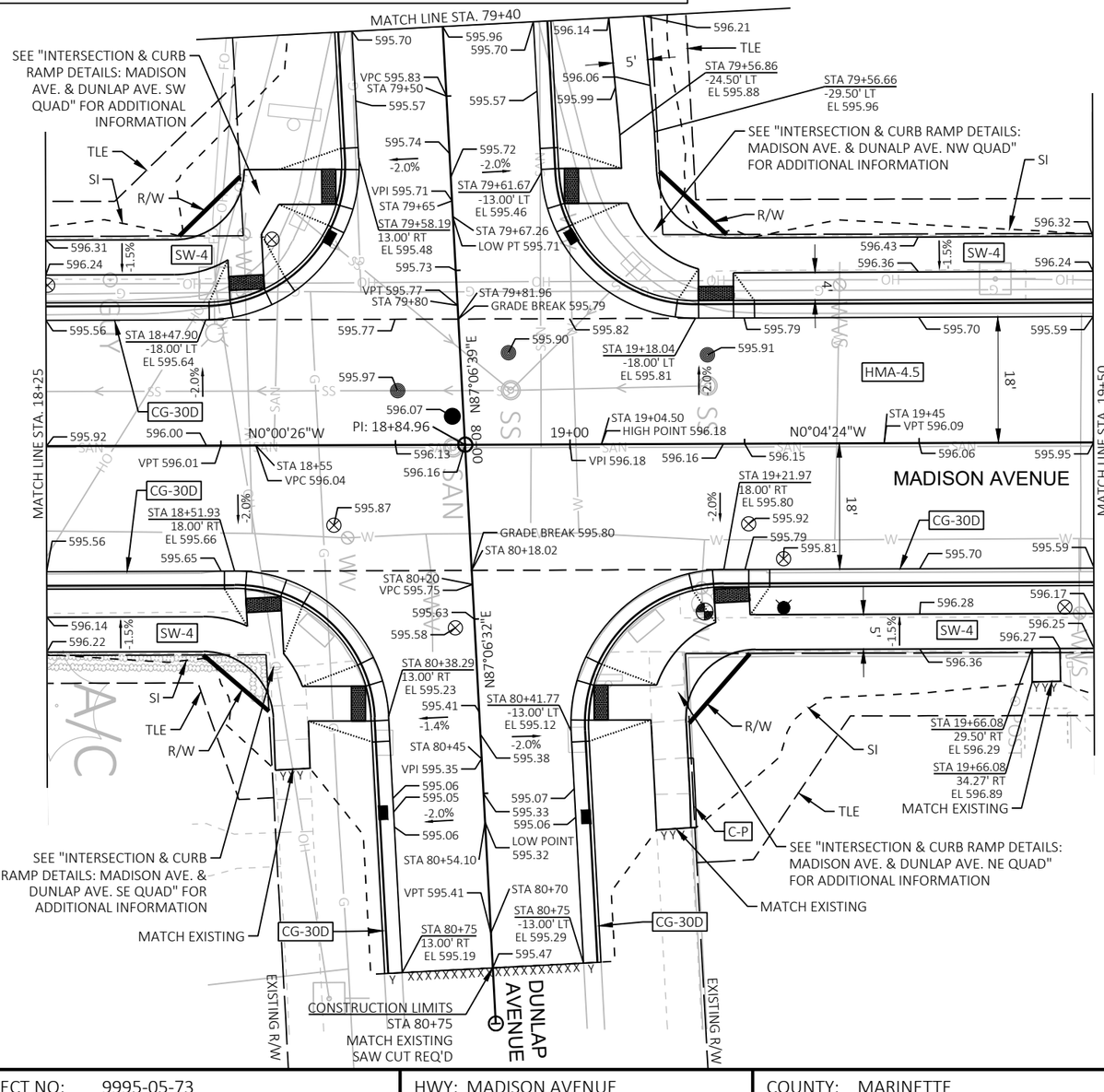


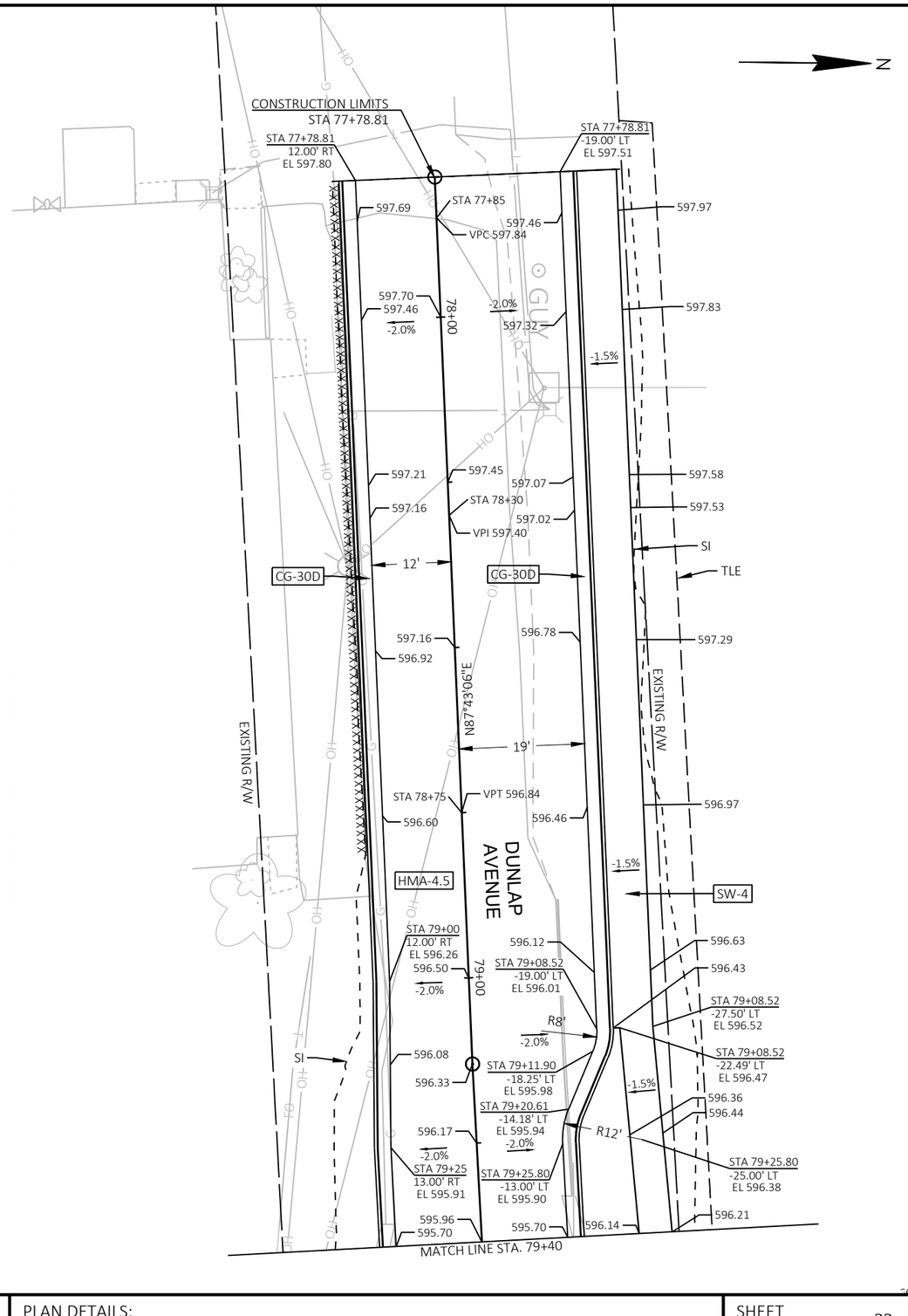
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN DETAILS:	SHEET 32	E

2

LEGEND

HMA-4.5	4.5" HMA PAVEMENT		SLOPE INTERCEPTS
CONC-6	CONCRETE PAVEMENT 6-INCH, DRIVEWAY	XXXXXXX	SAW CUT - ASHPALT
ASPH-3	ASPHALTIC SURFACE DRIVEWAY 3"	XXXXXXX	SAW CUT - CONCRETE
GR-6	6" BASE AGGREGATE DENSE 1 ¼-INCH, GRAVEL DRIVEWAY		PROPOSED CATCH BASIN
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D		PROPOSED STORM MANHOLE
CG-30DW	CONCRETE CURB AND GUTTER 30-INCH TYPE D, DRIVEWAY ENTRANCE		PROPOSED SANITARY MANHOLE
CG-18	CONCRETE CURB AND GUTTER 18-INCH TYPE A		PROPOSED HYDRANT
C-P	CONCRETE CURB PEDESTRIAN		PROPOSED GATE VALVE
CC-DS	CONCRETE CURB TYPE D SPECIAL		
SW-4	CONCRETE SIDEWALK 4-INCH		





PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN DETAILS:	SHEET 33 E

2

LEGEND

HMA-4.5	4.5" HMA PAVEMENT		SLOPE INTERCEPTS
CONC-6	CONCRETE PAVEMENT 6-INCH, DRIVEWAY	XXXXXXX	SAW CUT - ASHPALT
ASPH-3	ASPHALTIC SURFACE DRIVEWAY 3"	AAAAAAA	SAW CUT - CONCRETE
GR-6	6" BASE AGGREGATE DENSE 1 ¼-INCH, GRAVEL DRIVEWAY		PROPOSED CATCH BASIN
CG-30D	CONCRETE CURB AND GUTTER 30-INCH TYPE D		PROPOSED STORM MANHOLE
CG-30DW	CONCRETE CURB AND GUTTER 30-INCH TYPE D, DRIVEWAY ENTRANCE		PROPOSED SANITARY MANHOLE
CG-18	CONCRETE CURB AND GUTTER 18-INCH TYPE A		PROPOSED HYDRANT
C-P	CONCRETE CURB PEDESTRIAN		PROPOSED GATE VALVE
CC-DS	CONCRETE CURB TYPE D SPECIAL		
SW-4	CONCRETE SIDEWALK 4-INCH		

N

MADISON AVENUE

MAPLE STREET

MATCH LINE STA. 19+50

MATCH LINE STA. 22+50

BP: 89+14.06

BP: 90+00.00

EP: 90+74.55

PI: 21+86.10

EP: 90+00.00

N87°16'46"E

N87°19'43"E

EXISTING R/W

CONSTRUCTION LIMITS
STA 89+50
MATCH EXISTING
SAW CUT REQ'D

MATCH EXISTING

STA 89+50
-17.50' LT
EL 596.13

STA 89+50
17.50' RT
EL 596.10

596.33

596.29

STA 89+60
VPC 596.26

-1.6%

-1.7%

STA 89+56.04
17.50' RT
EL 596.01

596.25

STA 89+68.27

LOW PT 596.23

VPI 596.24
STA 89+70

596.25

STA 89+80

GRADE BREAK 596.31

VPT 596.29

STA 89+81.98

596.33

596.44

596.27

STA 22+01.73
-38.94' LT
EL 595.95

STA 22+24.23
-18.00' LT
EL 596.15

596.71

596.64

596.02

596.61

596.69

596.67

596.66

596.63

596.51

596.38

STA 21+42.61
-18.00' LT
EL 596.33

STA 21+10
VPC 596.58

VPI 596.70
STA 21+60

STA 21+60.21
HIGH POINT 596.70

STA 22+10
VPT 596.58

STA 22+36.62
18.00' RT
EL 596.09

596.26

596.12

596.47

STA 21+50.98
18.01' RT
EL 596.34

STA 90+18.02

GRADE BREAK 596.30

596.26

596.33

STA 90+20
VPC 596.28

596.24

596.60

596.68

LOW PT 596.22

VPI 596.22

STA 90+32.05

STA 90+35

STA 90+47.16
-17.50' LT
EL 596.01

STA 90+50
-17.50' LT
EL 596.07

STA 90+50
17.50' RT
EL 596.09

596.35

END CONSTRUCTION
STA 90+50
MATCH EXISTING
SAW CUT REQ'D

MATCH EXISTING

MATCH EXISTING

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & MAPLE ST. SW QUAD" FOR ADDITIONAL INFORMATION

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & MAPLE ST. NW QUAD" FOR ADDITIONAL INFORMATION

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. &MAPLE ST. SE QUAD" FOR ADDITIONAL INFORMATION

SEE "INTERSECTION & CURB RAMP DETAILS: MADISON AVE. & MAPLE ST. NE QUAD" FOR ADDITIONAL INFORMATION

596.32
596.24
596.39
596.32
596.51
596.44
596.64
596.56
596.76
596.68
596.88
596.80
596.99
596.91
595.57
595.59
595.68
595.67
595.79
595.92
596.04
596.17
596.28
596.07
596.03
596.15
596.28
596.40
596.53
596.64
596.70
595.74
595.59
595.57
595.67
595.79
596.04
596.17
596.28
596.17
596.25
596.32
596.50
596.57
596.62
596.70
596.75
596.82
596.86
596.94
596.79
596.47
596.24
596.22
596.35

SW-4
GR-6
HMA-4.5
CG-30D
CG-30DW
CONC-6

-1.5%
-2.0%

STA 20+21.02
18.00' RT
EL 595.77

STA 20+33.71
18.00' RT
EL 595.84

STA 20+21.02
24.50' RT
EL 595.92

STA 20+33.71
24.50' RT
EL 595.98

STA 20+21.02
29.50' RT
EL 595.99

STA 20+33.71
29.50' RT
EL 596.06

STA 20+21.02
39.50' RT
EL 596.87

STA 20+33.71
39.50' RT
EL 596.74

STA 20+89.15
29.50' RT
EL 596.77

STA 20+89.15
34.50' RT
EL 596.75

20+00
21+00
22+00

GUY POLE

SAN

GAS

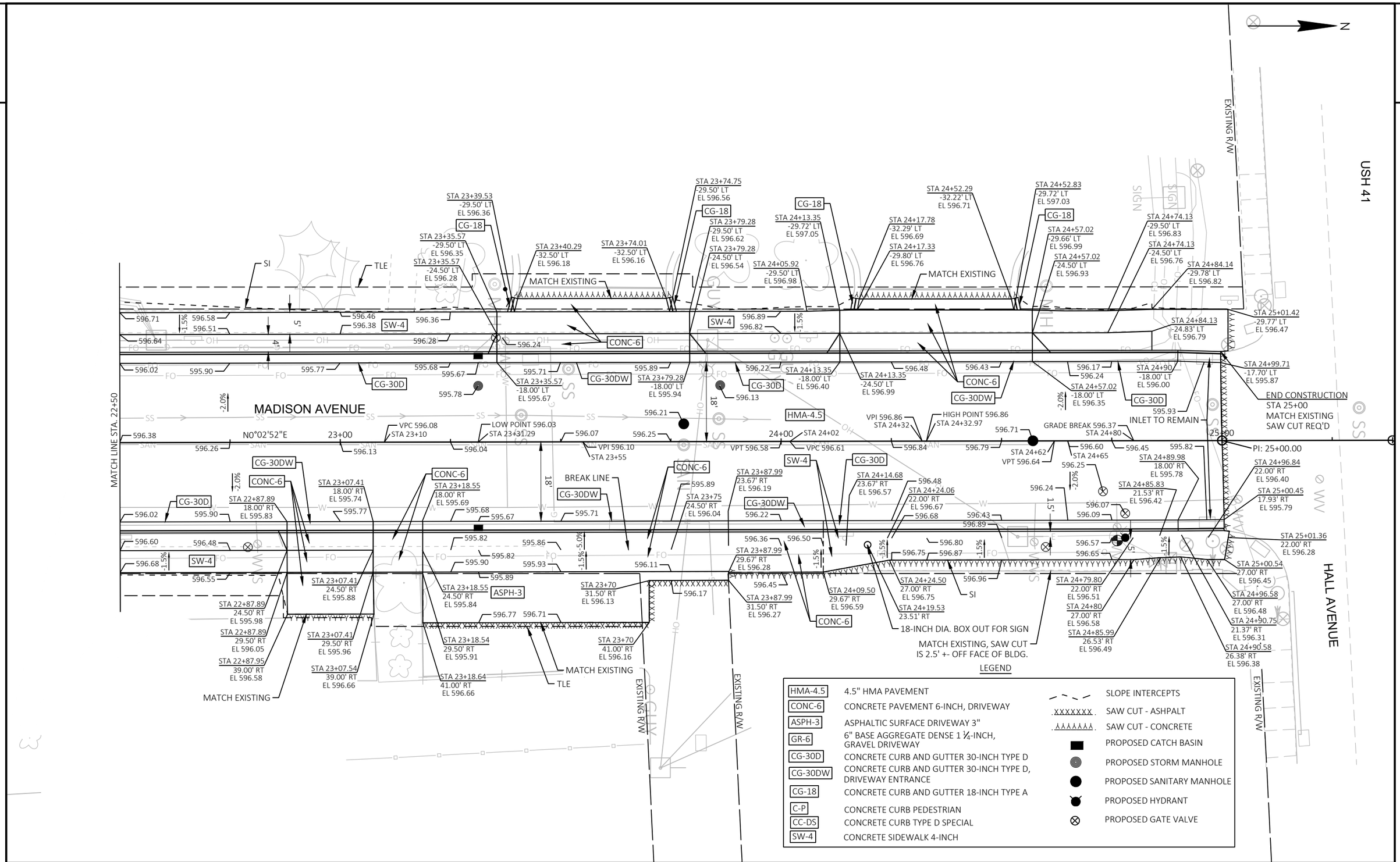
GUY

EXISTING R/W

SI
TLE
R/W

PROJECT NO: 9995-05-73 | HWY: MADISON AVENUE | COUNTY: MARINETTE | PLAN DETAILS: | SHEET 34 E

2



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN DETAILS:	SHEET 35	E

2

N

LEGEND

- HYDROSEEDING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- SURFACE WATER FLOW

EXISTING R/W

TLE

SI

10+00 11+00 12+00 13+00 14+00 15+00

MADISON AVENUE

LEWIS STREET

WISCONSIN STREET

LIBERTY STREET

R/W

EXISTING R/W

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	EROSION CONTROL:	SHEET 36	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 01

PLOT DATE : 2/20/2026 2:14 PM PLOT BY : ENGLES, BRIAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

LEGEND

- HYDROSEEDING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- SURFACE WATER FLOW

DUNLAP AVENUE

MADISON AVENUE

EXISTING R/W

TLE

SI

R/W

16+00 17+00 18+00 19+00 20+00 21+00

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	EROSION CONTROL	SHEET 37	E

2

LEGEND

- HYDROSEEDING
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION
- A B C — INLET PROTECTION TYPE
- SURFACE WATER FLOW

N

EXISTING R/W

EXISTING R/W

EXISTING R/W

USH 41

HALL AVENUE

MADISON AVENUE

MAPLE STREET

21+00

22+00

23+00

24+00

25+00

TLE

SI

R/W

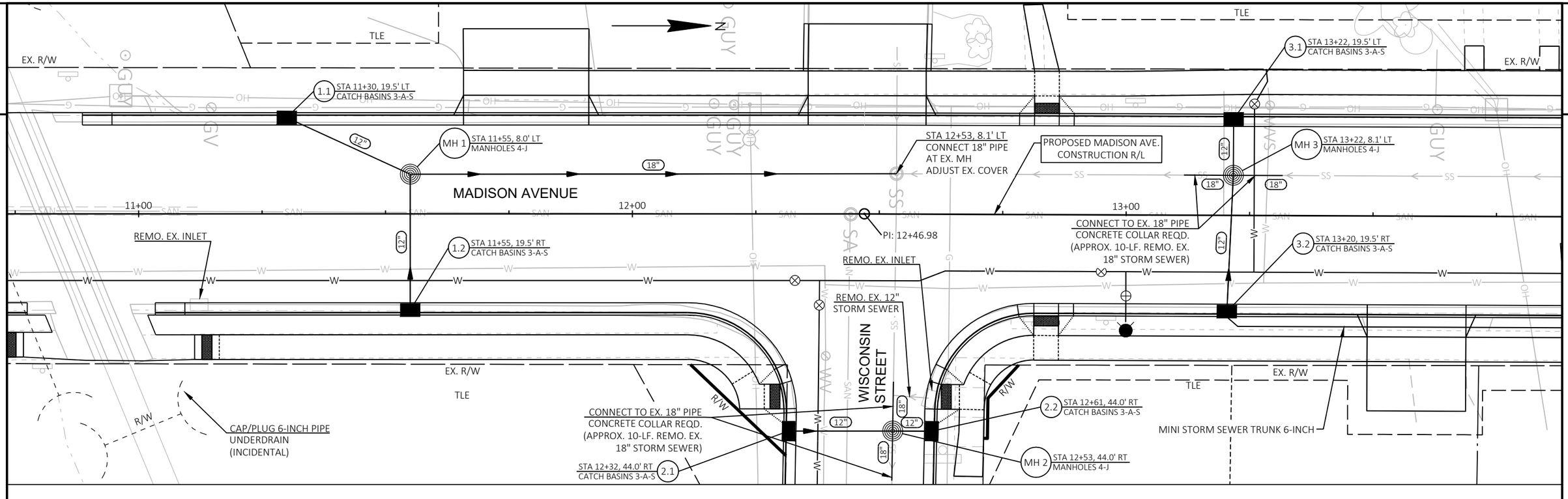
A

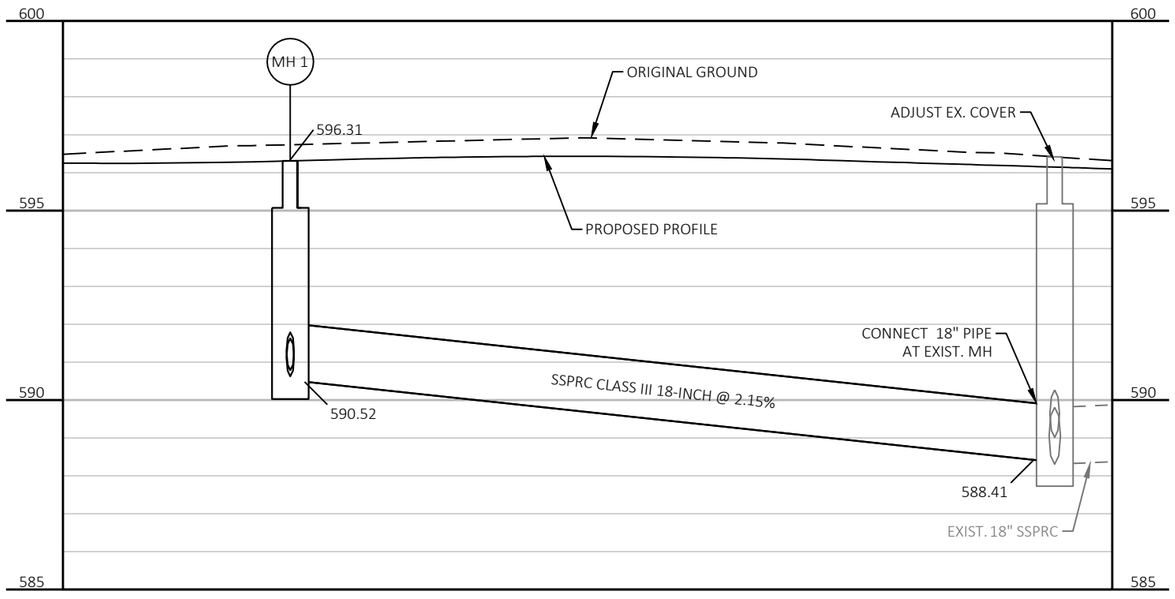
B

C

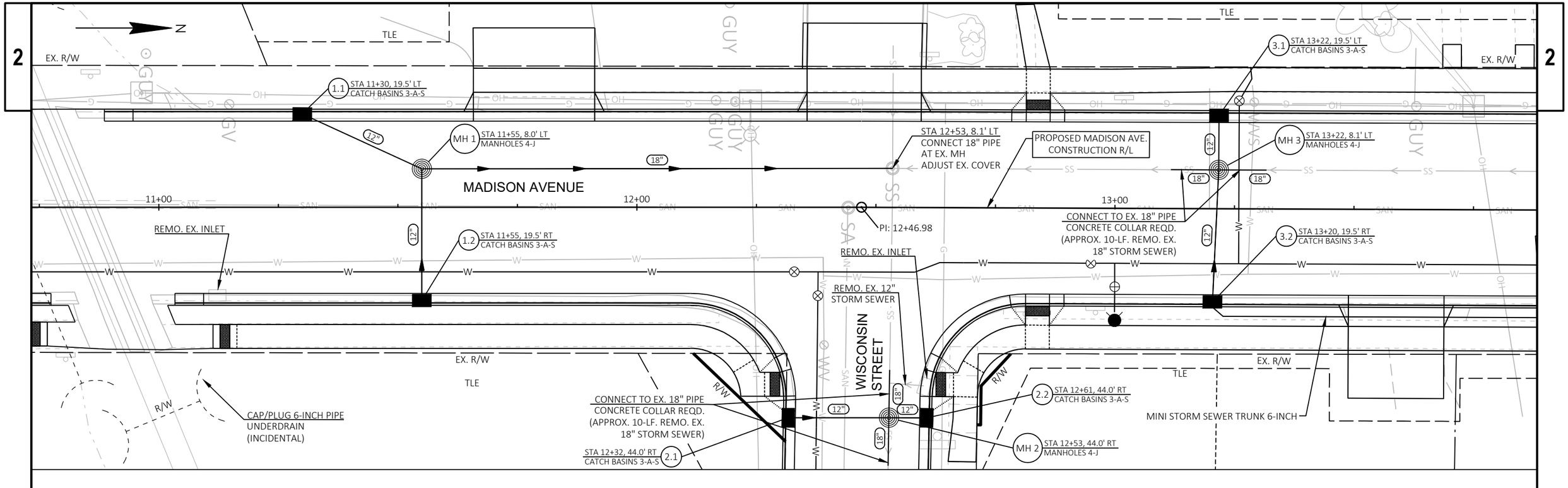
EXISTING R/W

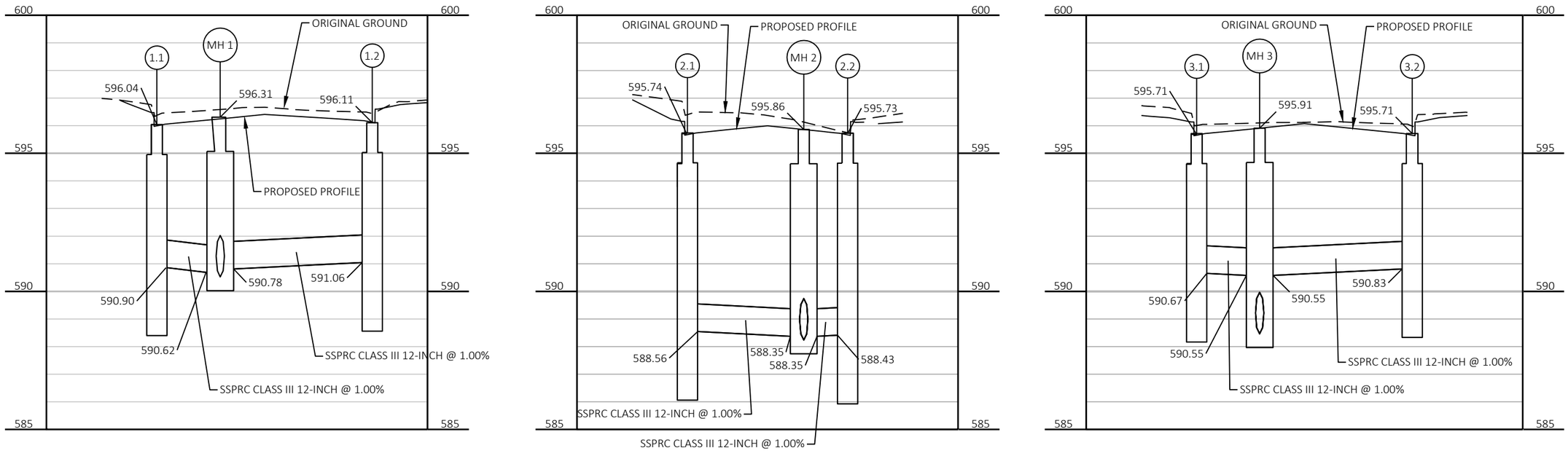
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	EROSION CONTROL:	SHEET 38	E





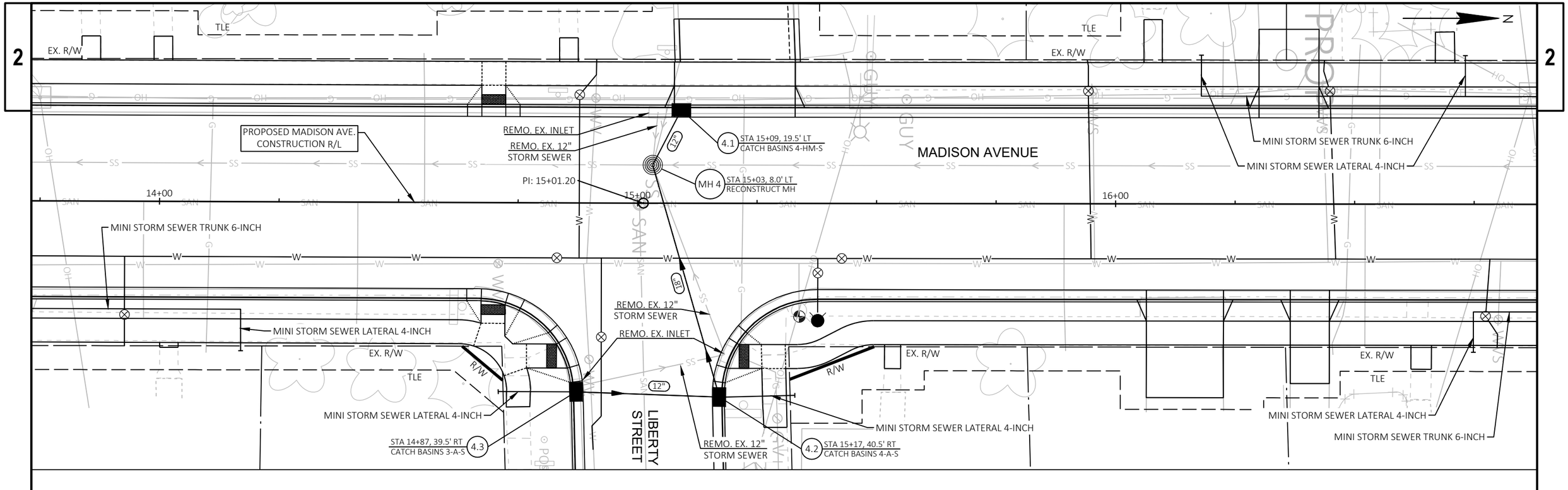
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 39	E

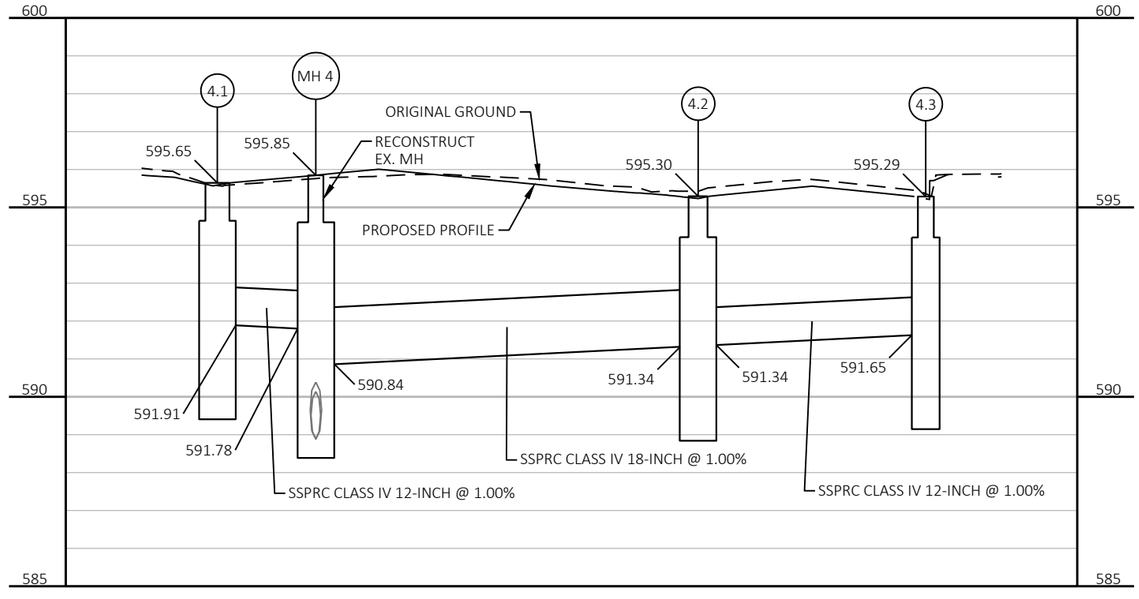




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 40	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 01-B
PLOT DATE : 2/20/2026 2:19 PM
PLOT BY : ENGLES, BRIAN
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 41

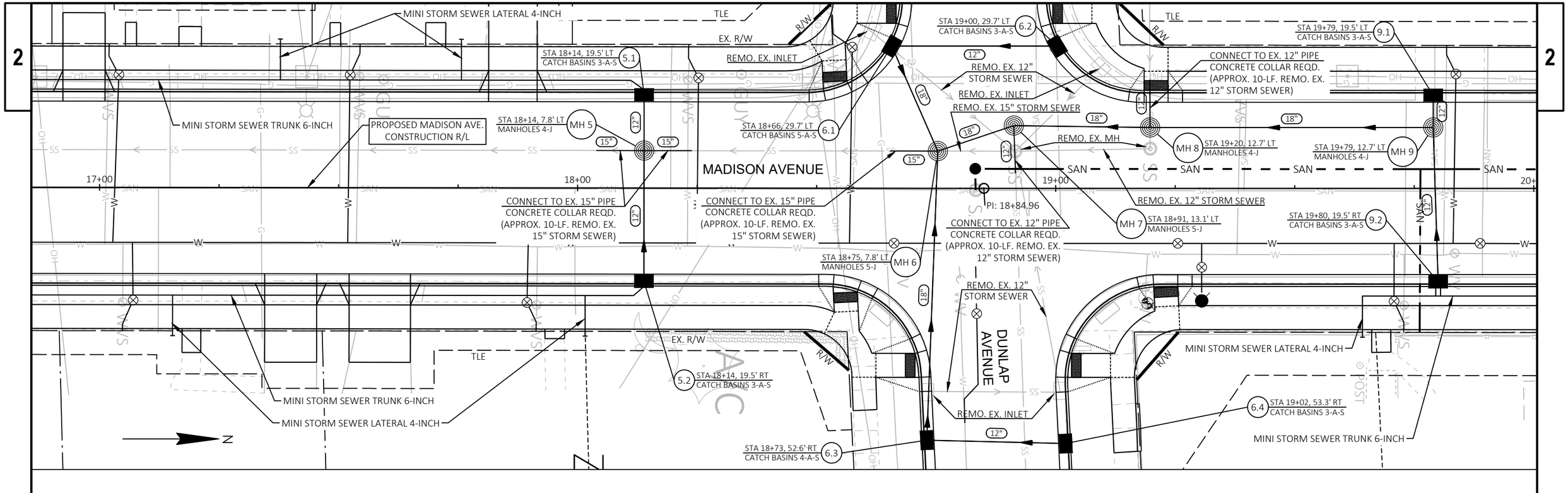


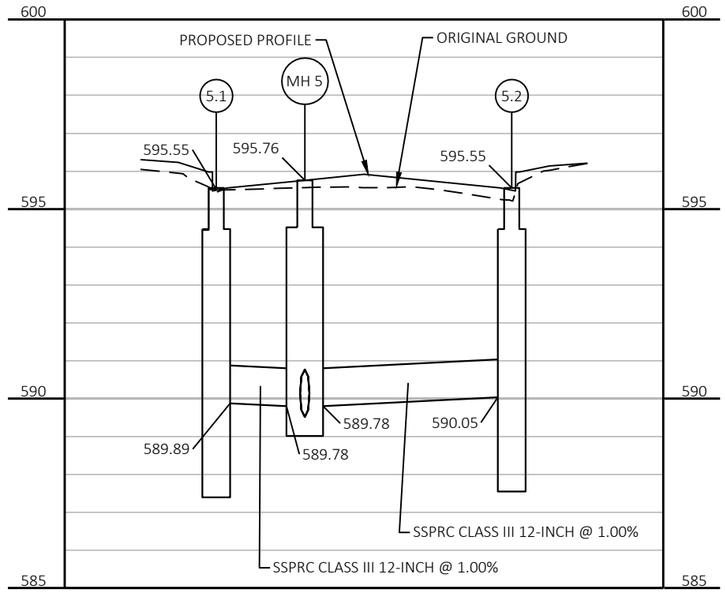


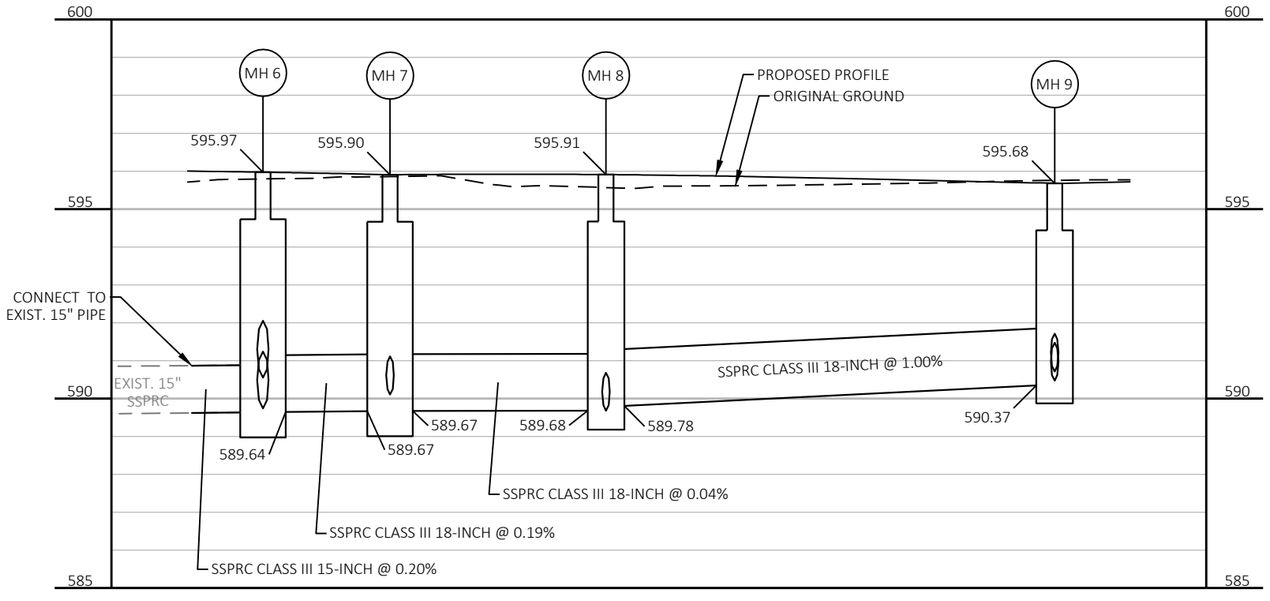
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 41	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 02

PLOT DATE : 2/19/2026 7:20 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

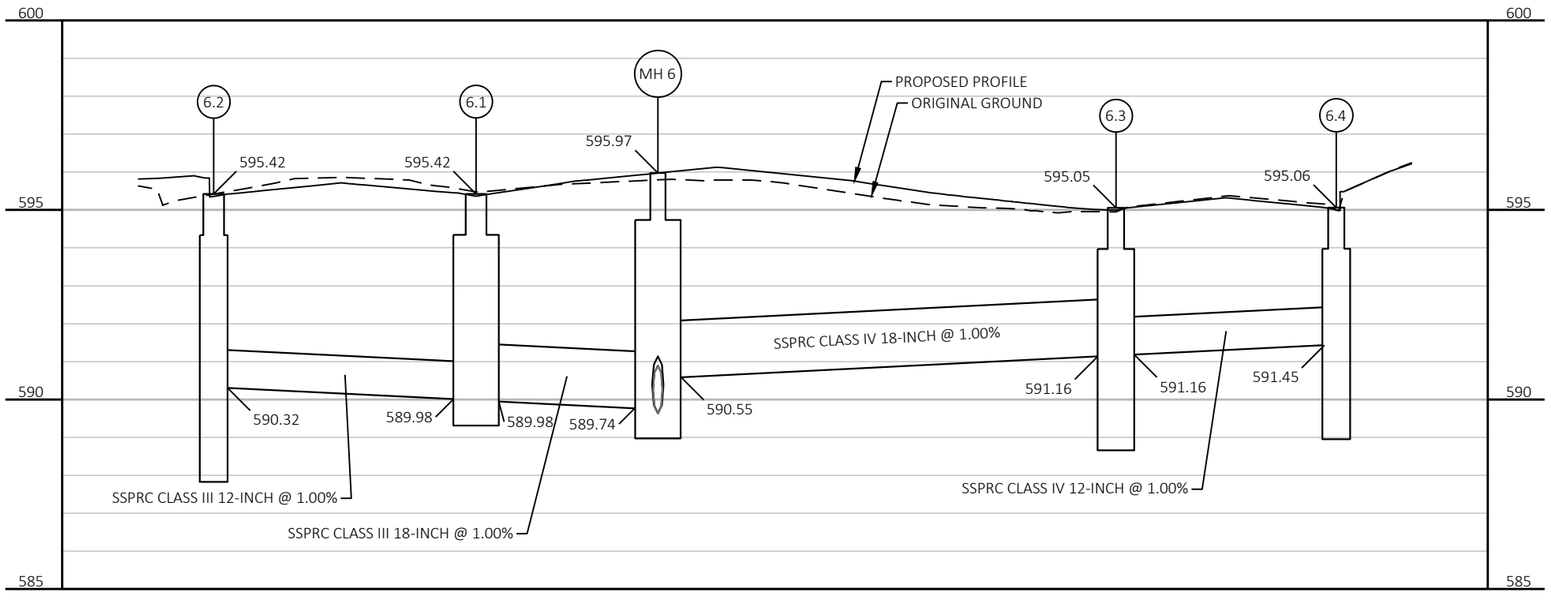


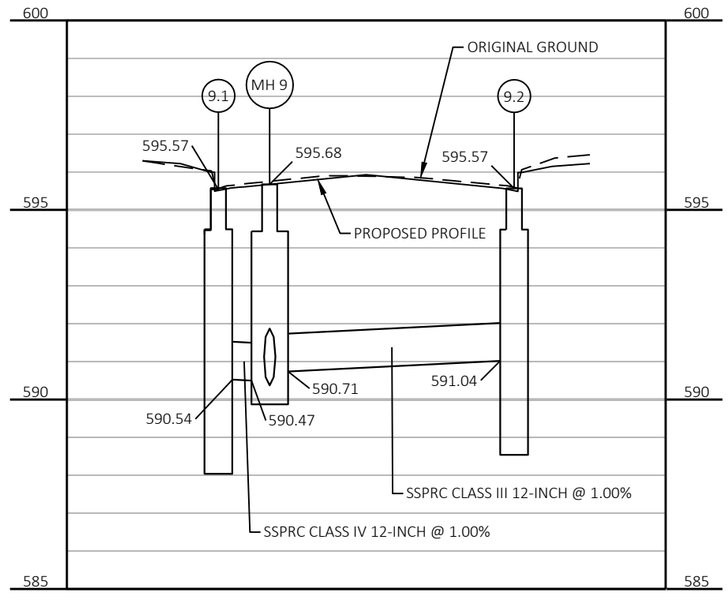




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 42	E

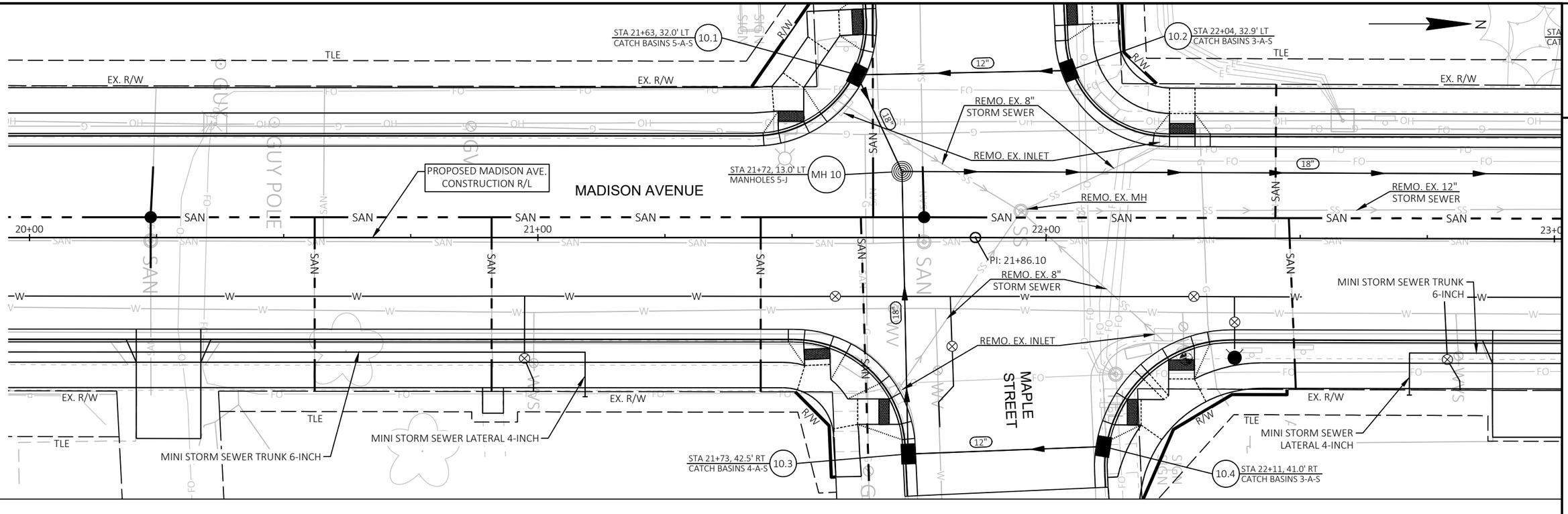
MINI STORM SEWER LATERAL 4-INCH
TLE
EX. R/W
REMO. EX. INLET
STA 18+14, 19.5' LT
CATCH BASINS 3-A-S
5.1
STA 19+00, 29.7' LT
CATCH BASINS 3-A-S
6.2
STA 19+79, 19.5' LT
CATCH BASINS 3-A-S
9.1
CONNECT TO EX. 12" PIPE
CONCRETE COLLAR REQD.
(APPROX. 10-LF. REMO. EX.
12" STORM SEWER)
REMO. EX. 12"
STORM SEWER
REMO. EX. INLET
REMO. EX. 15" STORM SEWER
MINI STORM SEWER TRUNK 6-INCH
PROPOSED MADISON AVE.
CONSTRUCTION R/L
STA 18+14, 7.8' LT
MANHOLES 4-J
MH 5
STA 18+66, 29.7' LT
CATCH BASINS 5-A-S
6.1
REMO. EX. MH
MH 8
STA 19+20, 12.7' LT
MANHOLES 4-J
STA 19+79, 12.7' LT
MANHOLES 4-J
MH 9
MADISON AVENUE
17+00
18+00
19+00
PI: 18+84.96
CONNECT TO EX. 15" PIPE
CONCRETE COLLAR REQD.
(APPROX. 10-LF. REMO. EX.
15" STORM SEWER)
CONNECT TO EX. 15" PIPE
CONCRETE COLLAR REQD.
(APPROX. 10-LF. REMO. EX.
15" STORM SEWER)
REMO. EX. 12" STORM SEWER
MH 7
STA 18+91, 13.1' LT
MANHOLES 5-J
STA 19+80, 19.5' RT
CATCH BASINS 3-A-S
9.2
STA 18+75, 7.8' LT
MANHOLES 5-J
MH 6
CONNECT TO EX. 12" PIPE
CONCRETE COLLAR REQD.
(APPROX. 10-LF. REMO. EX.
12" STORM SEWER)
REMO. EX. 12"
STORM SEWER
DUNLAP
AVENUE
EX. R/W
TLE
5.2
STA 18+14, 19.5' RT
CATCH BASINS 3-A-S
MINI STORM SEWER LATERAL 4-INCH
MINI STORM SEWER TRUNK 6-INCH
MINI STORM SEWER LATERAL 4-INCH
REMO. EX. INLET
6.4
STA 19+02, 53.3' RT
CATCH BASINS 3-A-S
STA 18+73, 52.6' RT
CATCH BASINS 4-A-S
6.3
MINI STORM SEWER TRUNK 6-INCH

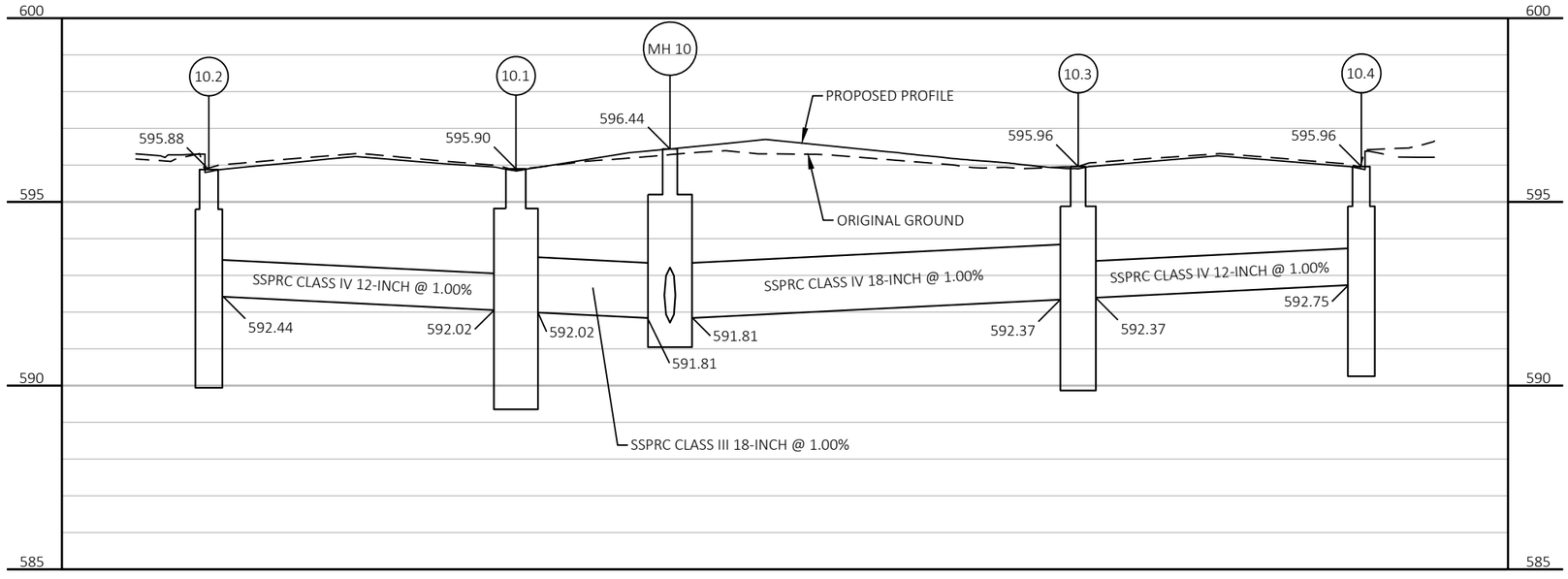




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 43	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 03-B
PLOT DATE : 2/19/2026 7:21 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 41

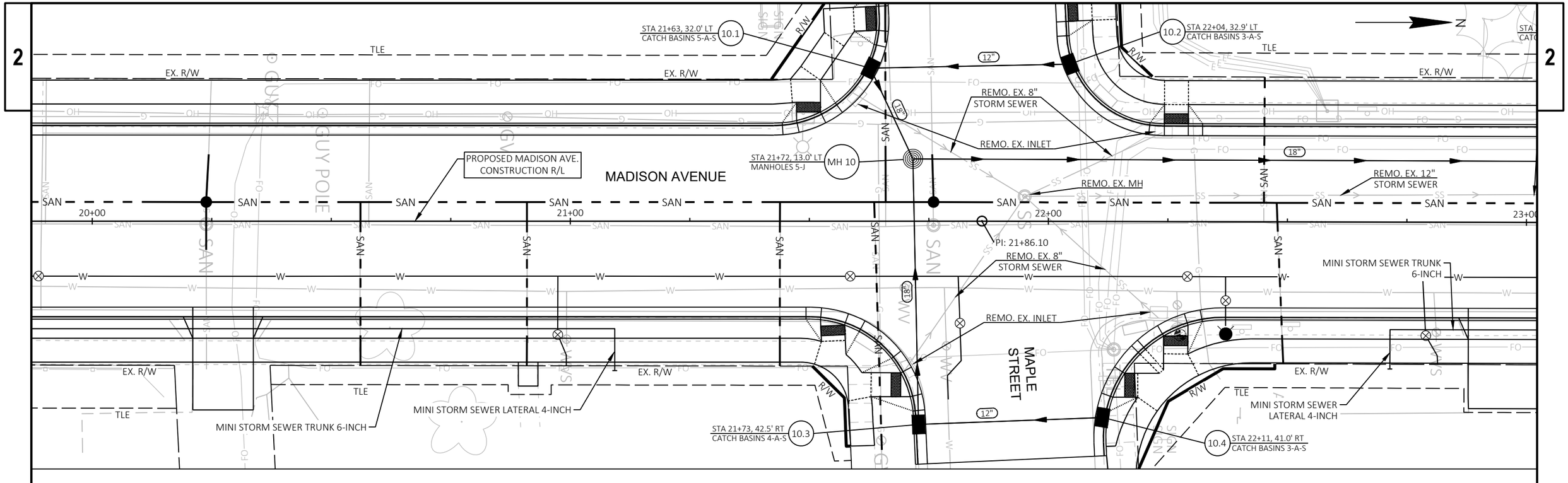


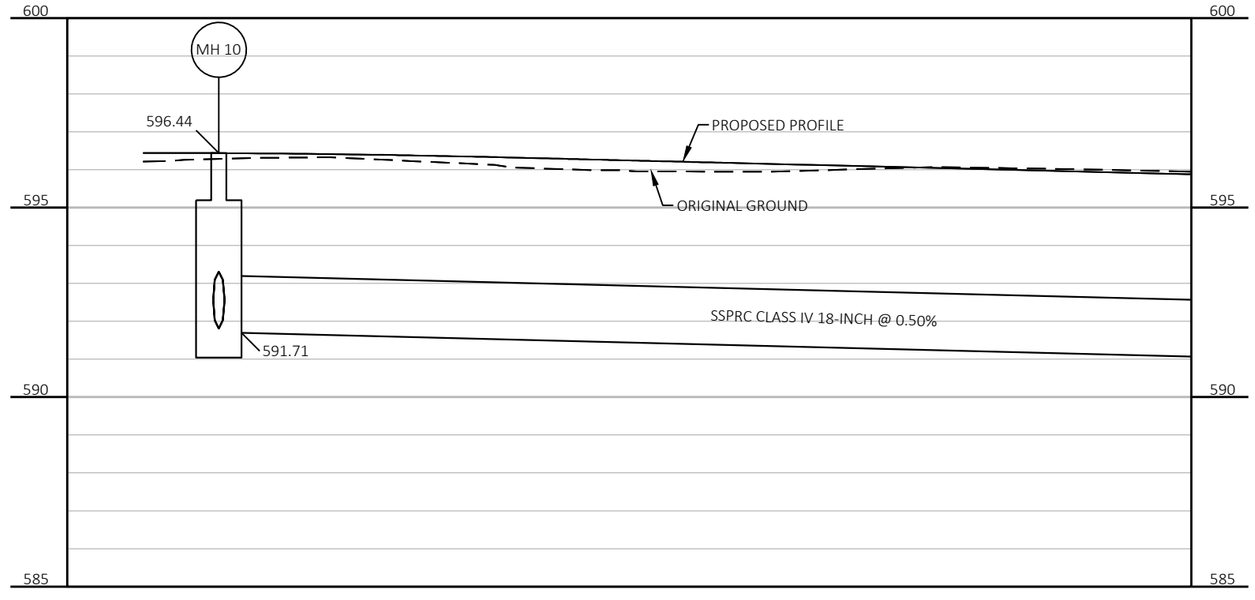


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 44	E

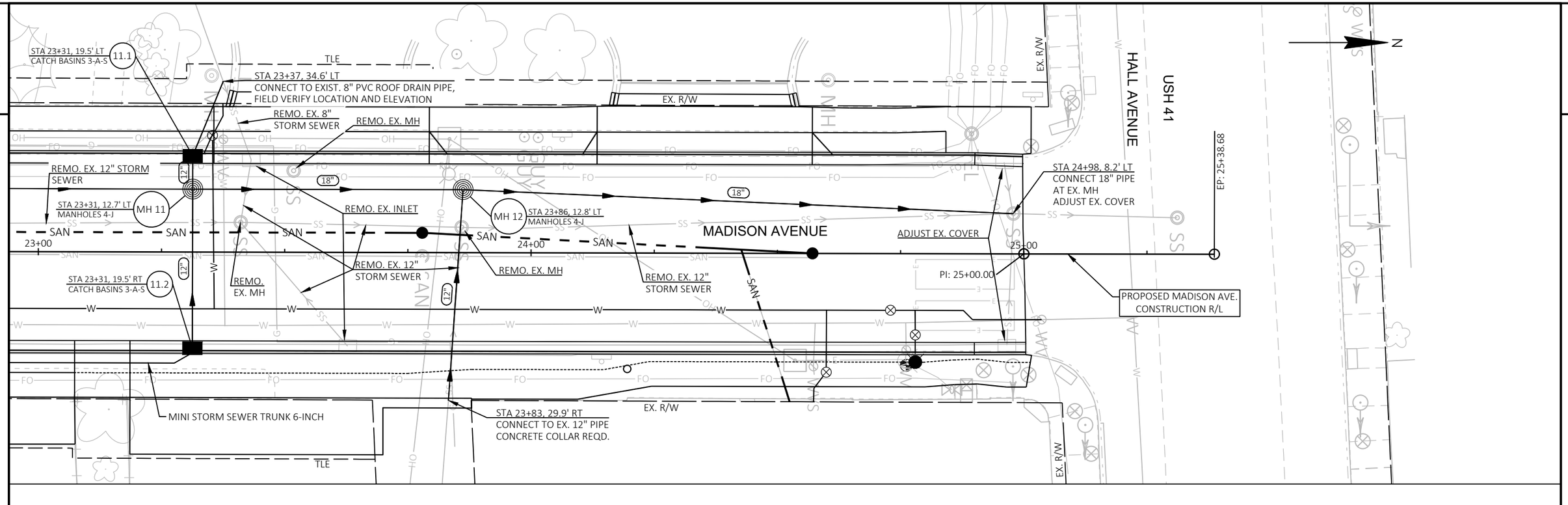
FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 04

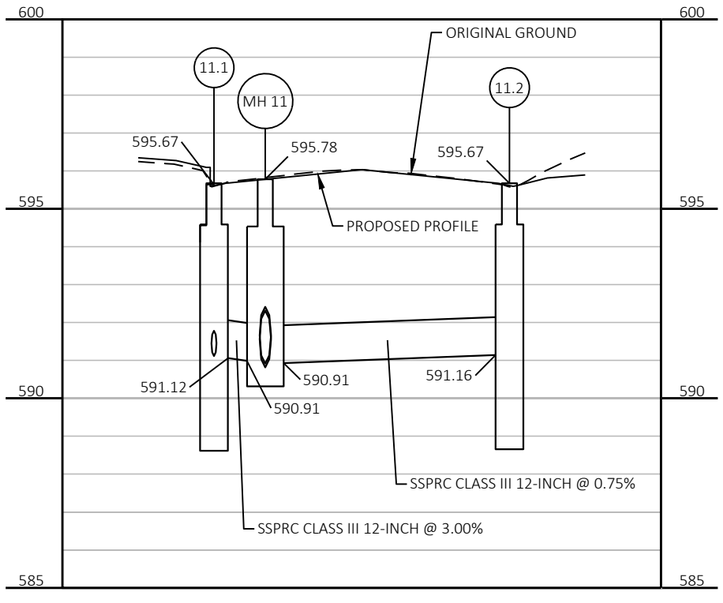
PLOT DATE : 2/19/2026 7:22 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:20 FT

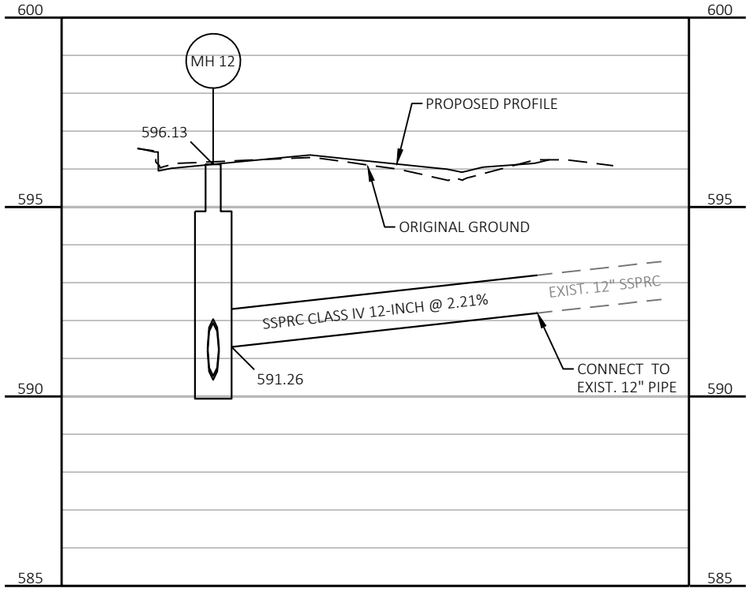




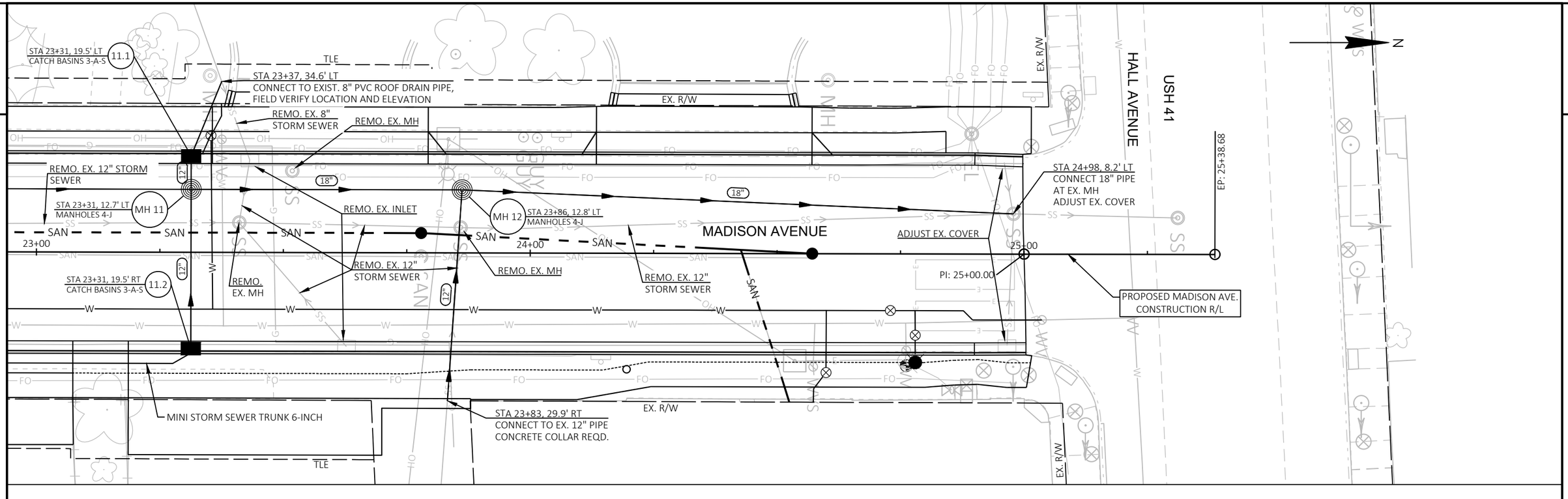
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 45	E

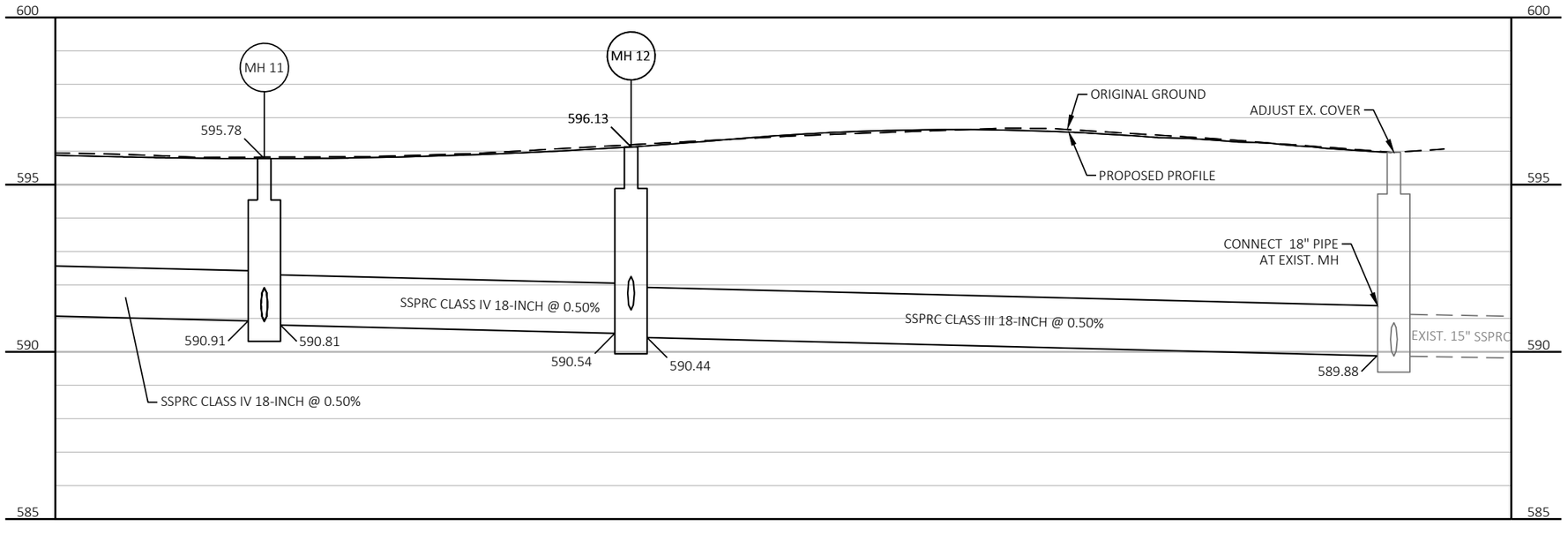




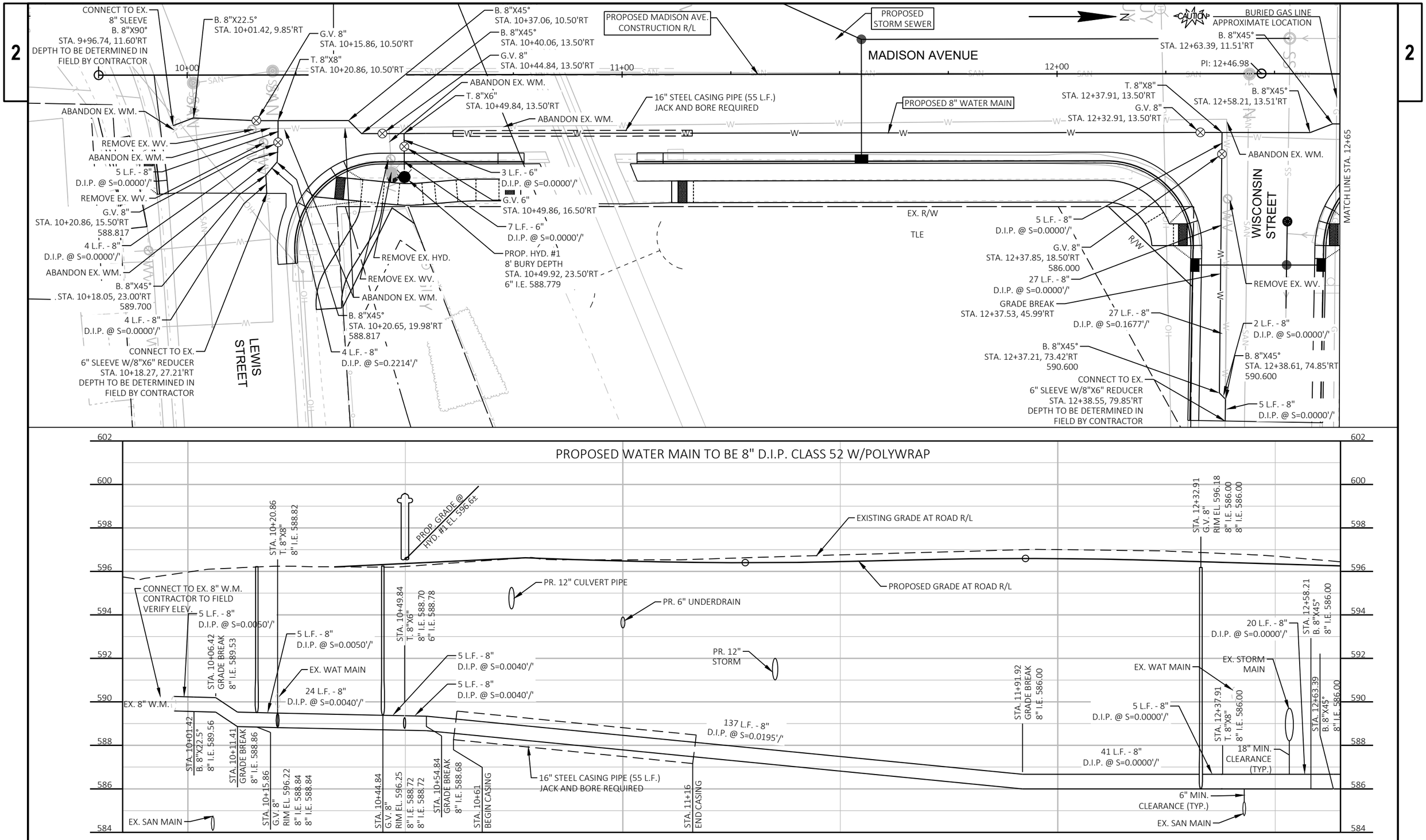


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 46	E

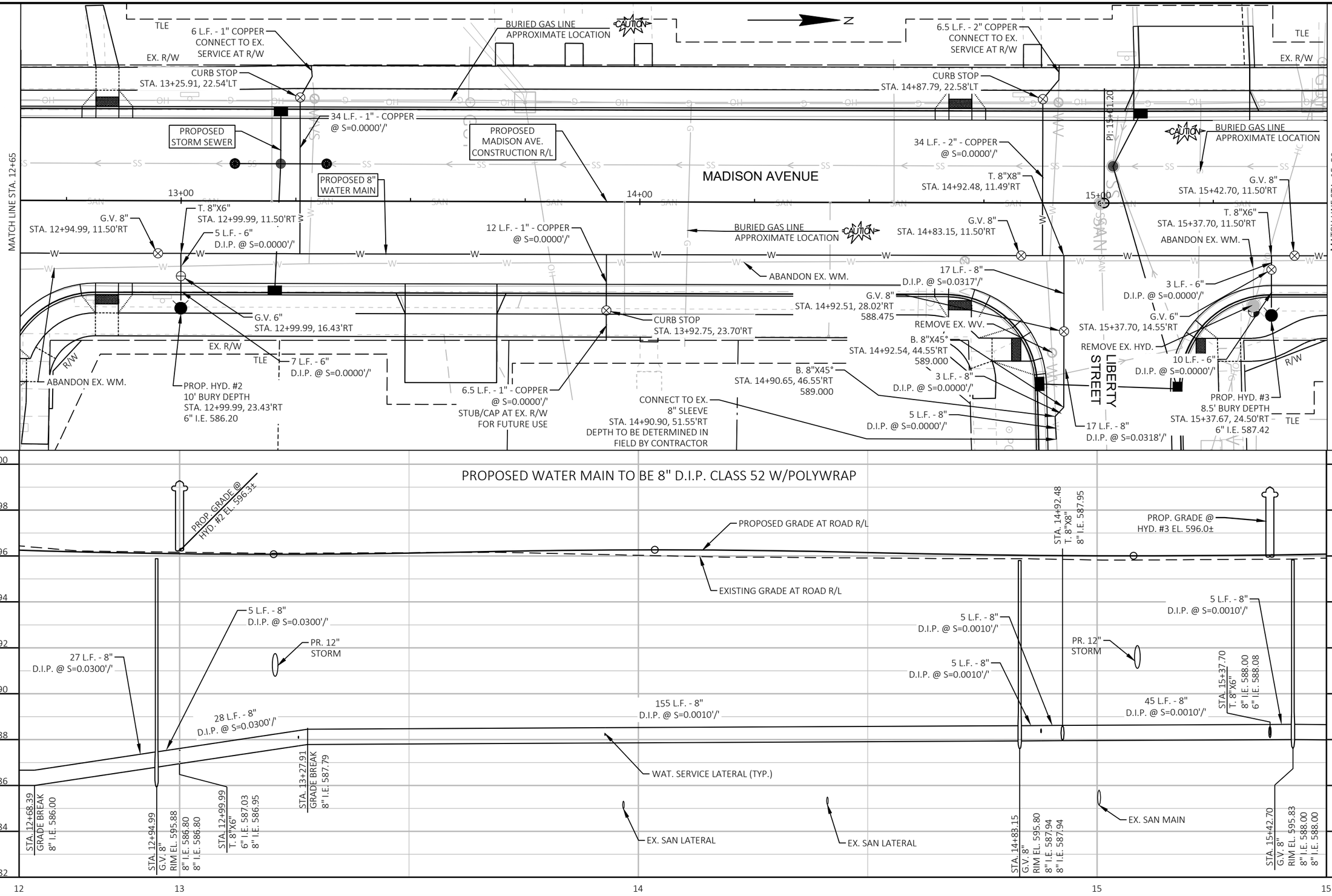




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	STORM SEWER	SHEET 47	E



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	WATER MAIN	SHEET 48	E



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	WATER MAIN	SHEET 49	E

2

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

CURB STOP STA. 15+94.26, 23.56'LT

TLE

EX. R/W

35 L.F. - 1" - COPPER @ S=0.0000'/'

MATCH LINE STA. 15+50

16+00

ABANDON EX. WM.

PROPOSED 8" WATER MAIN

ABANDON EX. WM.

EX. R/W

TLE

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

CURB STOP STA. 16+43.20, 23.81'LT

35 L.F. - 1" - COPPER @ S=0.0000'/'

BURIED GAS LINE APPROXIMATE LOCATION

CAUTION

ABANDON EX. LAT.

ABANDON EX. WM.

12 L.F. - 1" - COPPER @ S=0.0000'/'

CURB STOP STA. 16+77.39, 23.41'RT

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

MADISON AVENUE

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

CURB STOP STA. 17+04.00, 23.53'LT

35 L.F. - 1" - COPPER @ S=0.0000'/'

17+00

PROPOSED MADISON AVE. CONSTRUCTION R/L

12 L.F. - 1" - COPPER @ S=0.0000'/'

ABANDON EX. WM.

CURB STOP STA. 17+07.03, 23.59'RT

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

CURB STOP STA. 17+52.36, 23.54'LT

35 L.F. - 1" - COPPER @ S=0.0000'/'

BURIED GAS LINE APPROXIMATE LOCATION

CAUTION

ABANDON EX. WM.

12 L.F. - 1" - COPPER @ S=0.0000'/'

6 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

N

TLE

6.5 L.F. - 1" COPPER CONNECT TO EX. SERVICE AT R/W

CURB STOP STA. 18+25.25, 23.02'LT

EX. R/W

34 L.F. - 1" - COPPER @ S=0.0000'/'

PROPOSED STORM SEWER

18+00

MATCH LINE STA. 18+25

ABANDON EX. WM.

EX. R/W

TLE

CURB STOP STA. 17+89.43, 23.97'RT

602

600

598

596

594

592

590

588

586

584

PROPOSED WATER MAIN TO BE 8" D.I.P. CLASS 52 W/POLYWRAP

PROPOSED GRADE AT ROAD R/L

EXISTING GRADE AT ROAD R/L

PR. 12" STORM

18" MIN. (TYP.)

323 L.F. - 8" D.I.P. @ S=0.0015'/'

WAT. SERVICE LATERAL (TYP.)

6" MIN. CLEARANCE (TYP.)

EX. SAN LATERAL

EX. SAN LATERAL

EX. SAN LATERAL

EX. SAN LATERAL

15

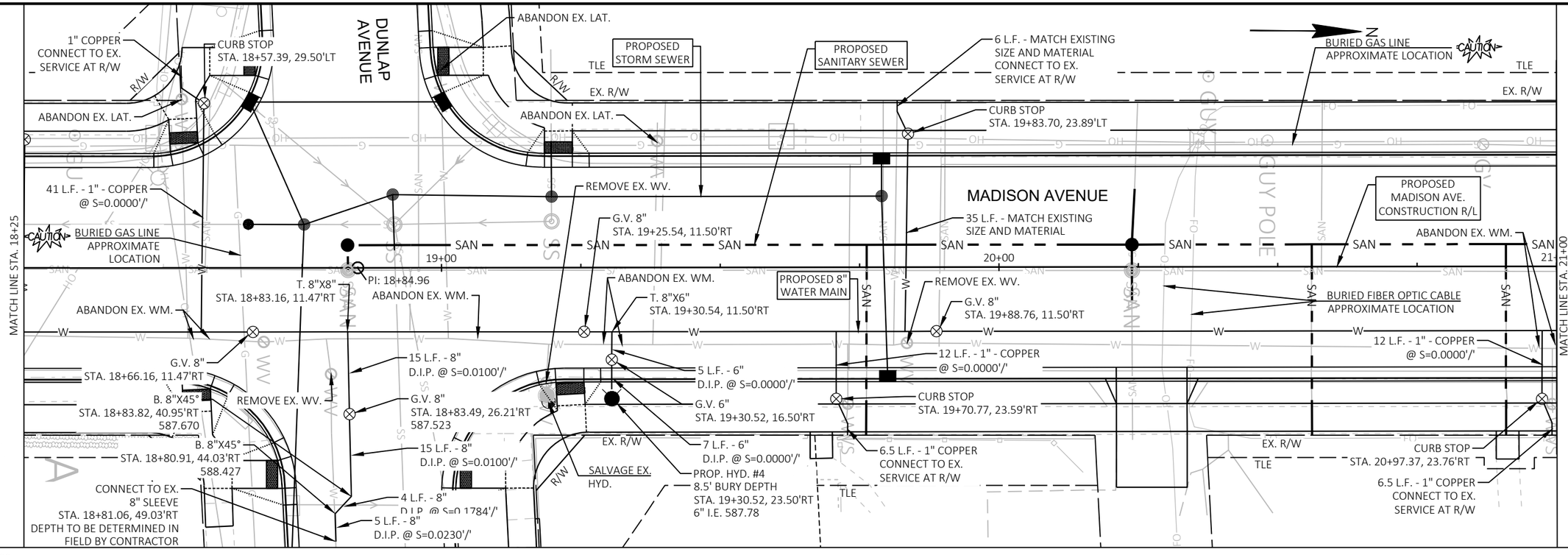
16

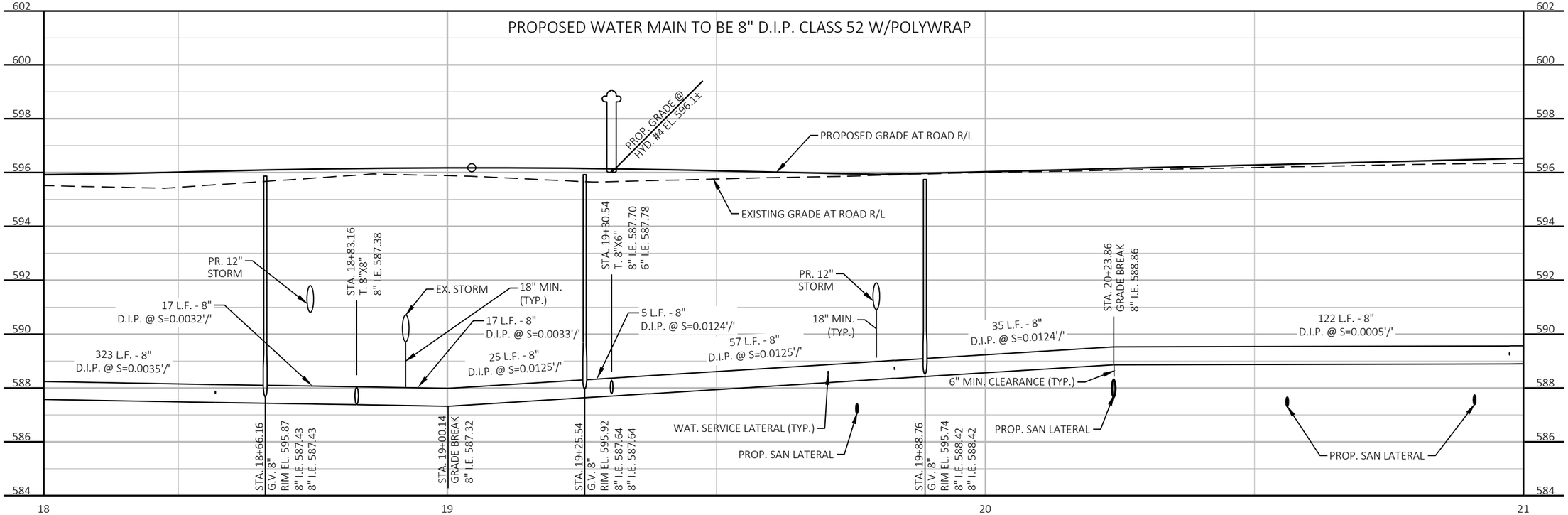
17

18

18

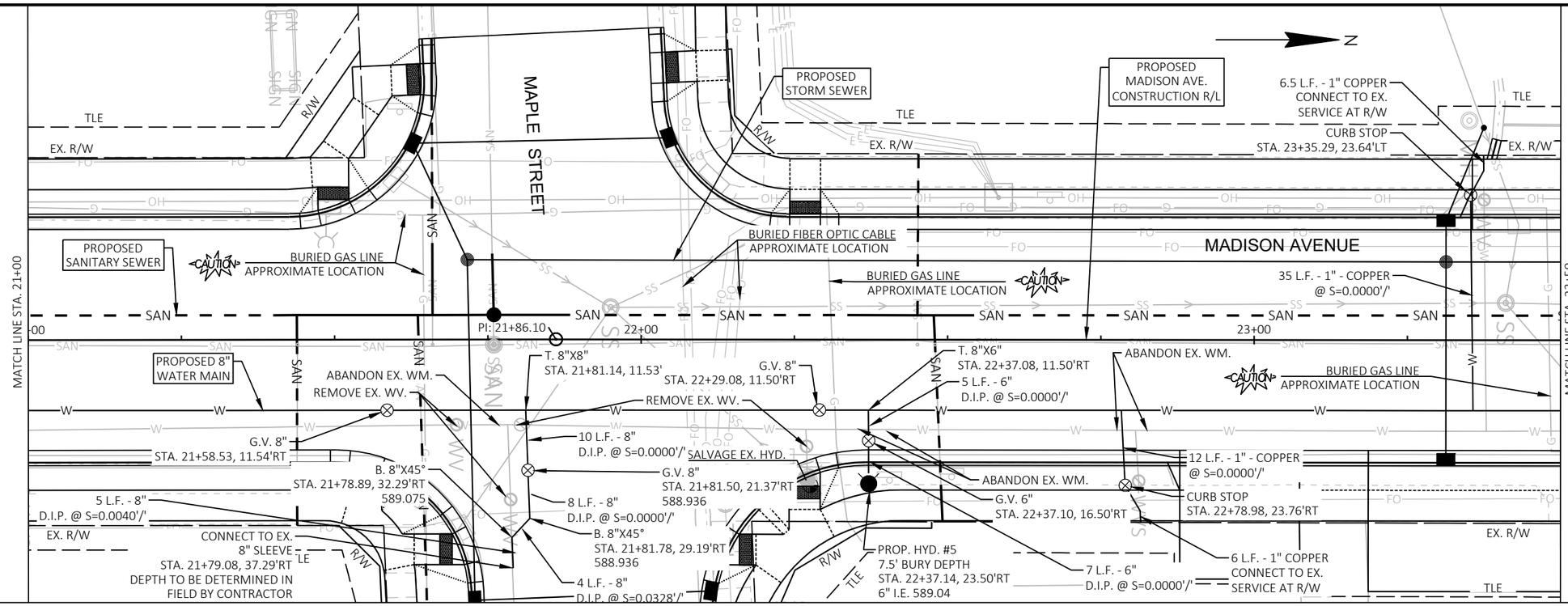
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	WATER MAIN	SHEET 50	E

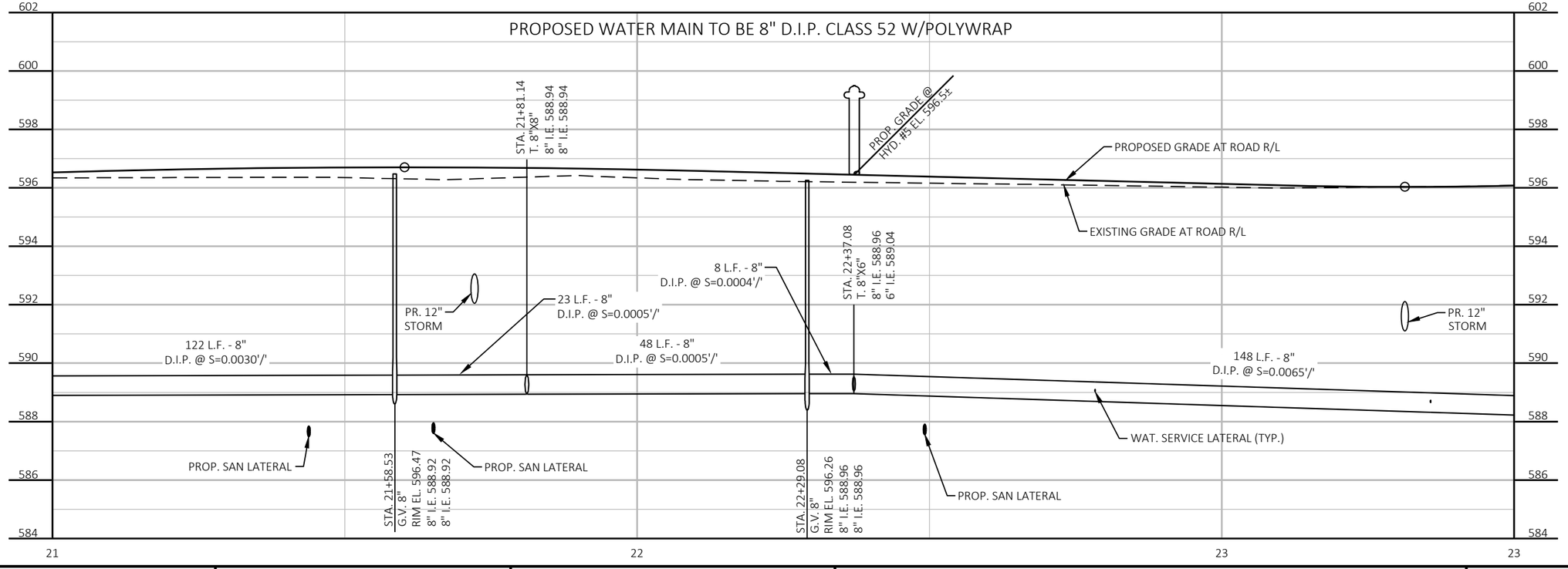




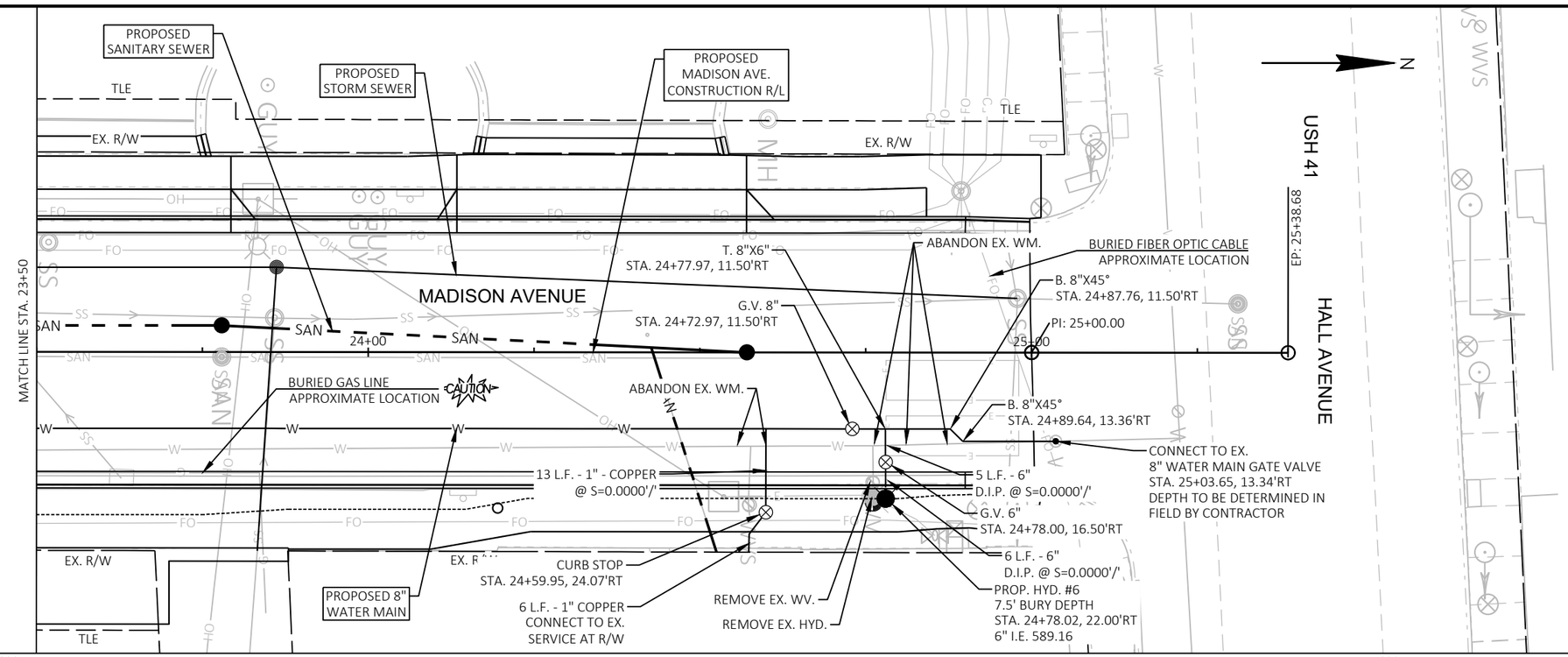
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	WATER MAIN	SHEET 51	E

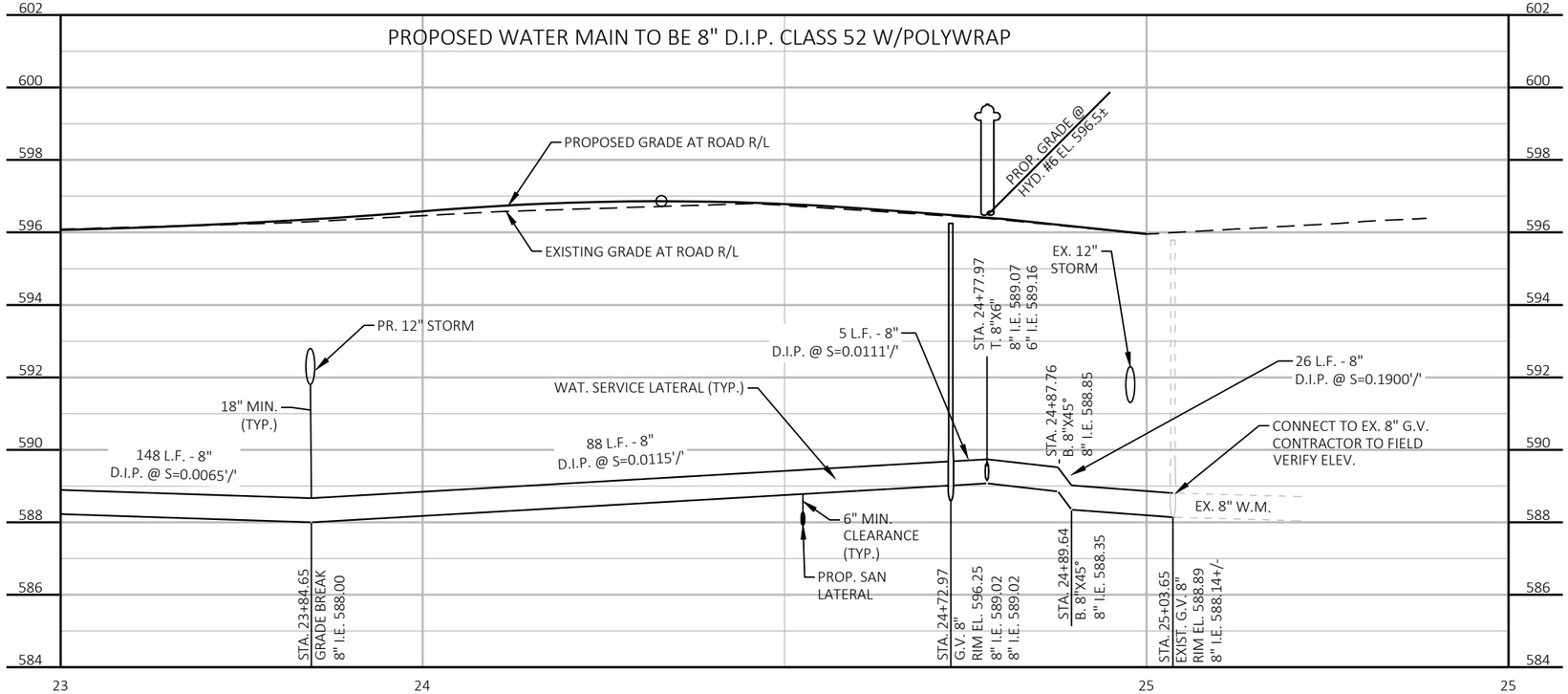
2





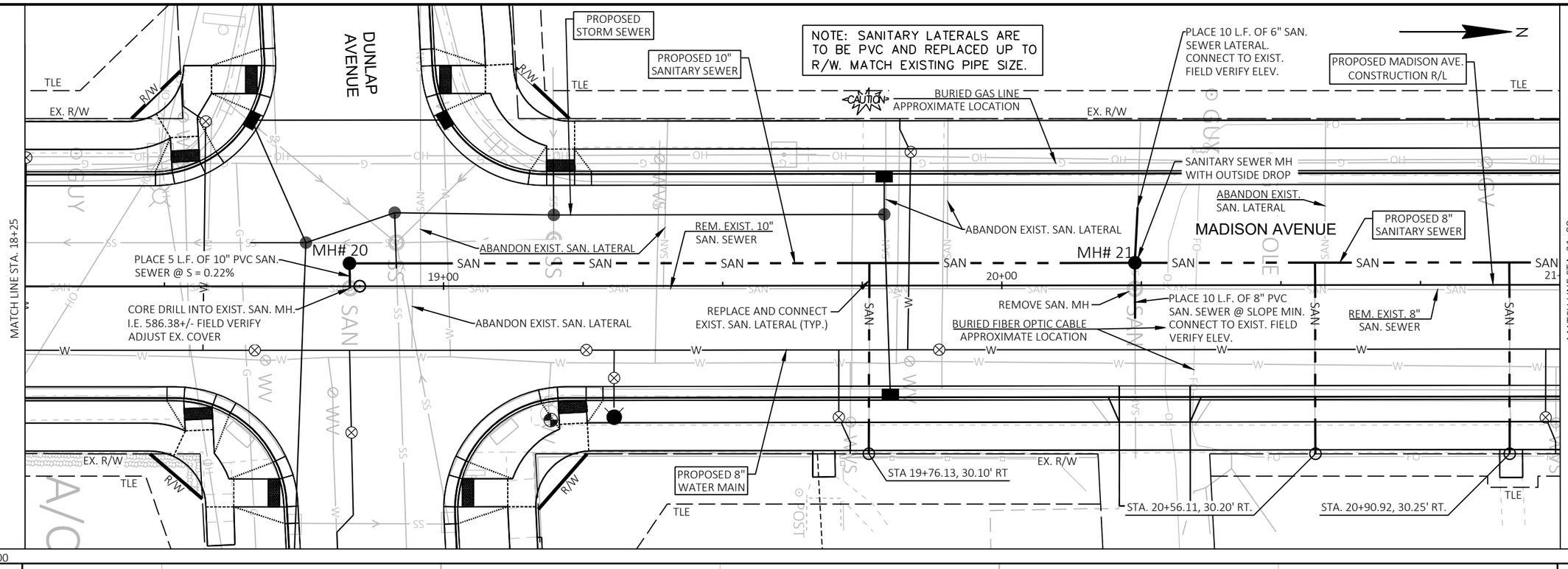
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	WATER MAIN	SHEET 52 E

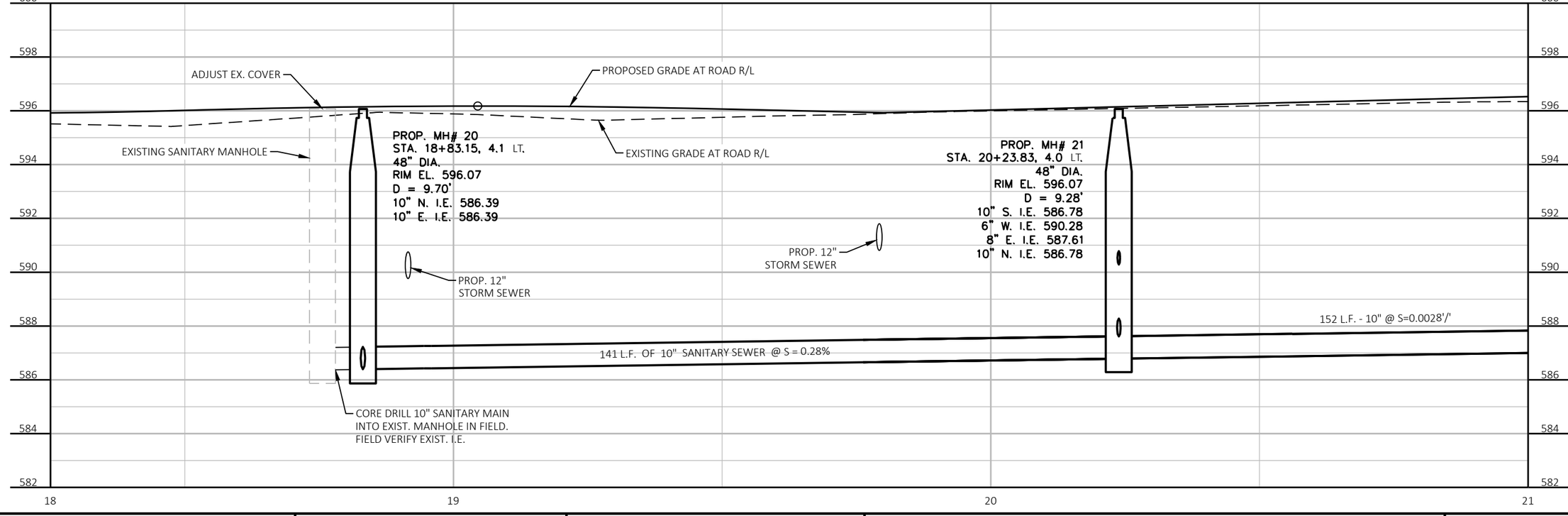




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	WATER MAIN	SHEET 53 E

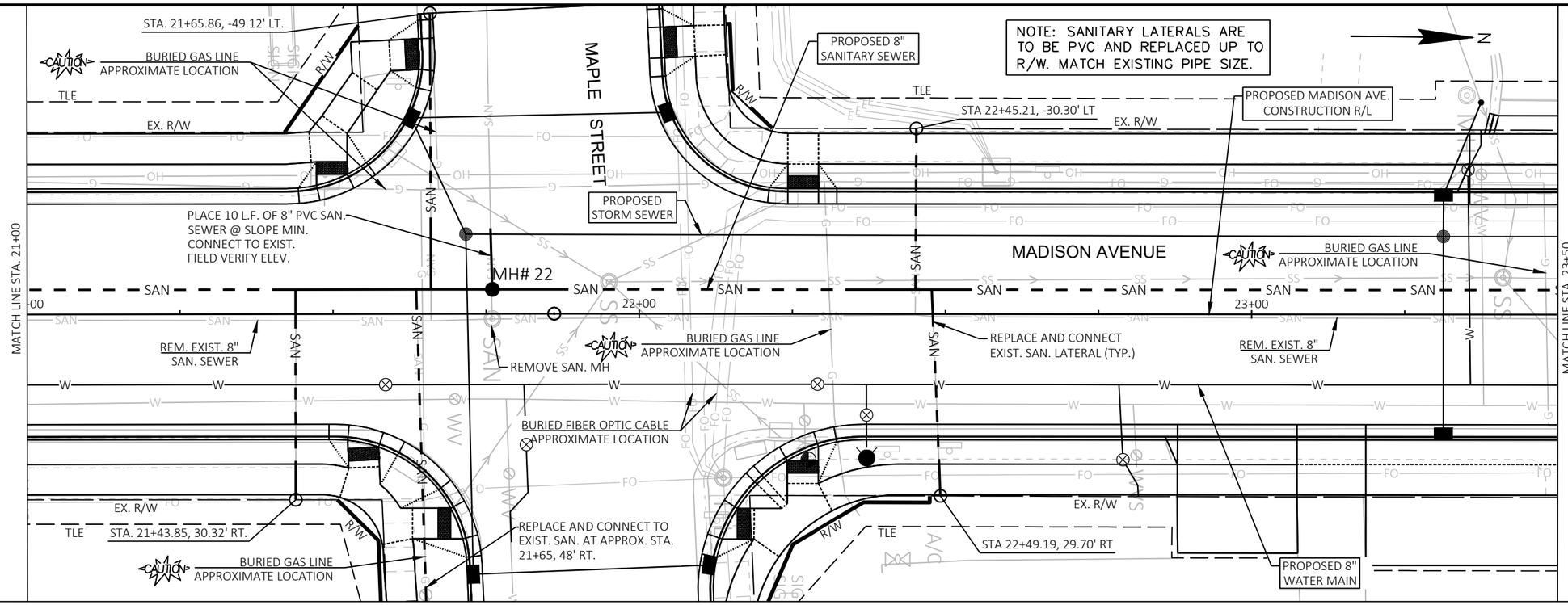
2

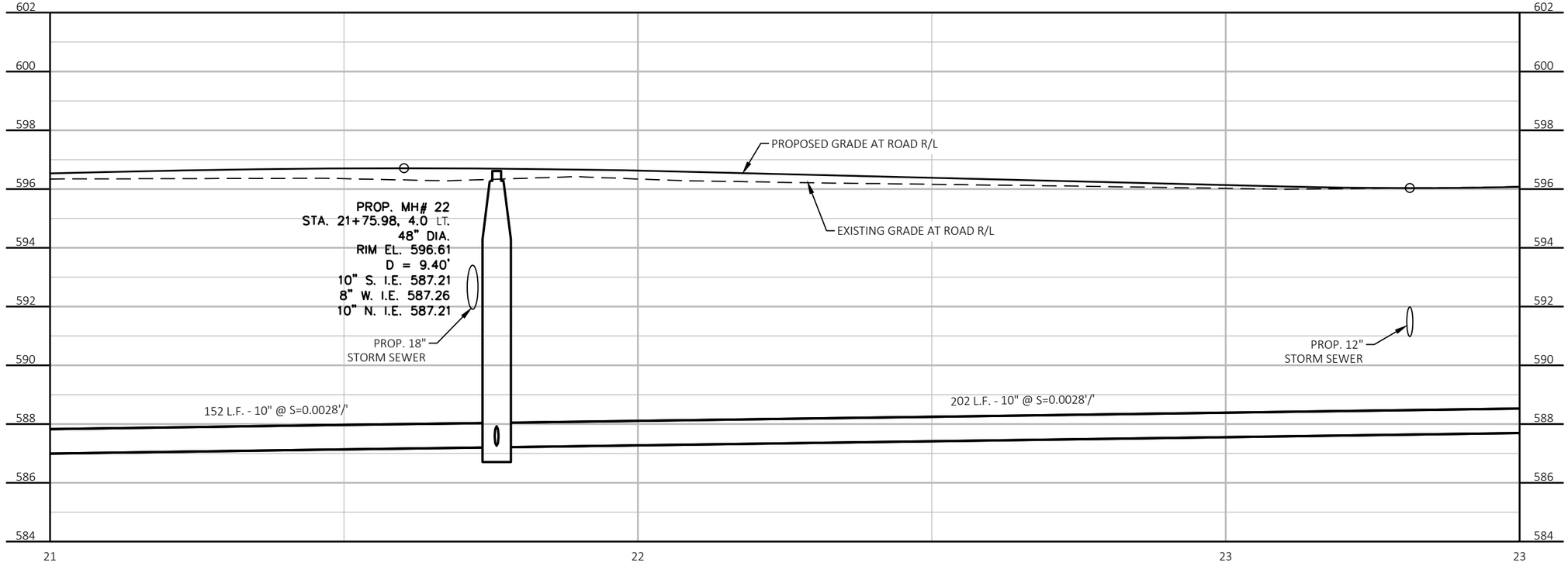




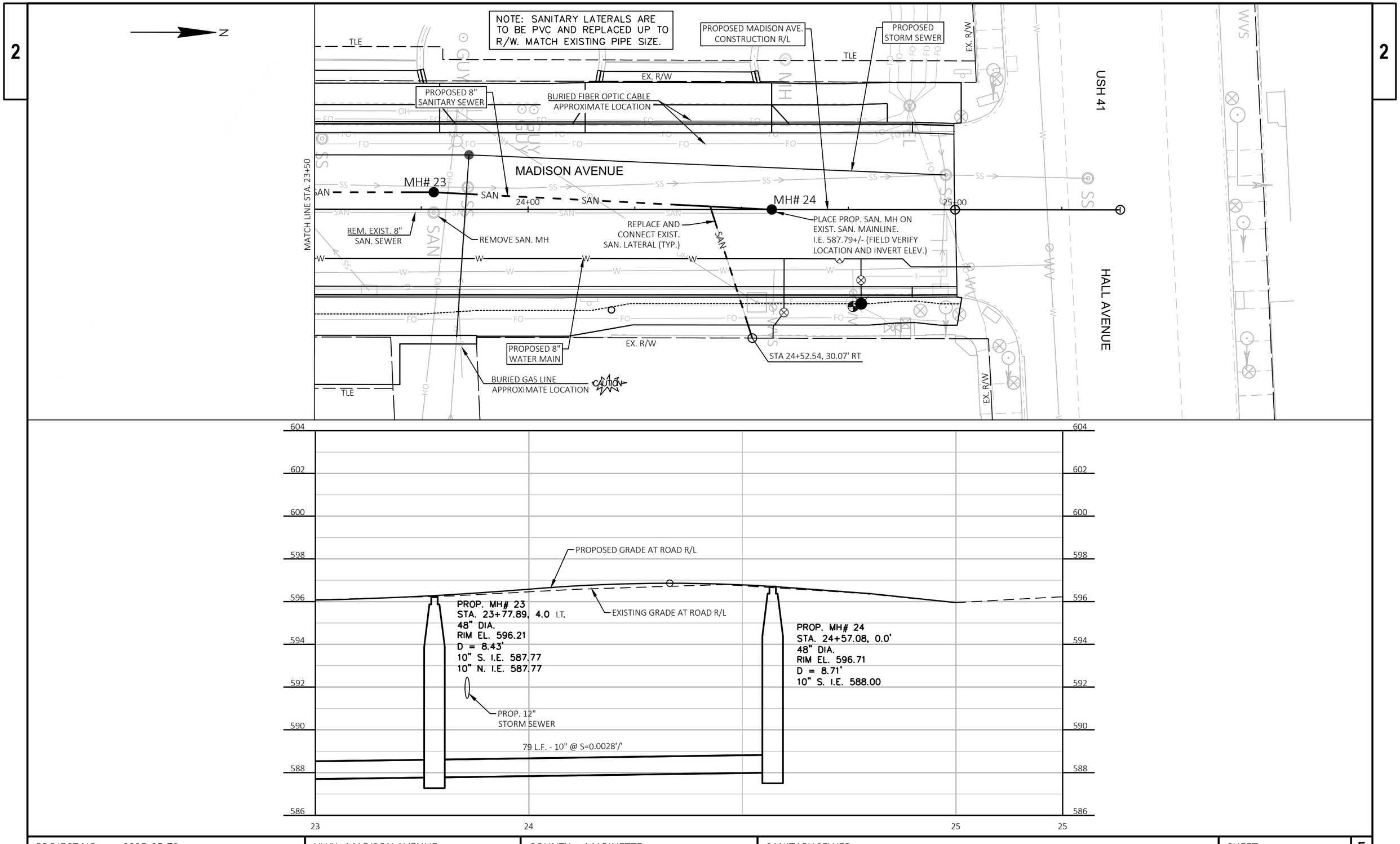
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	SANITARY SEWER	SHEET 54	E

2

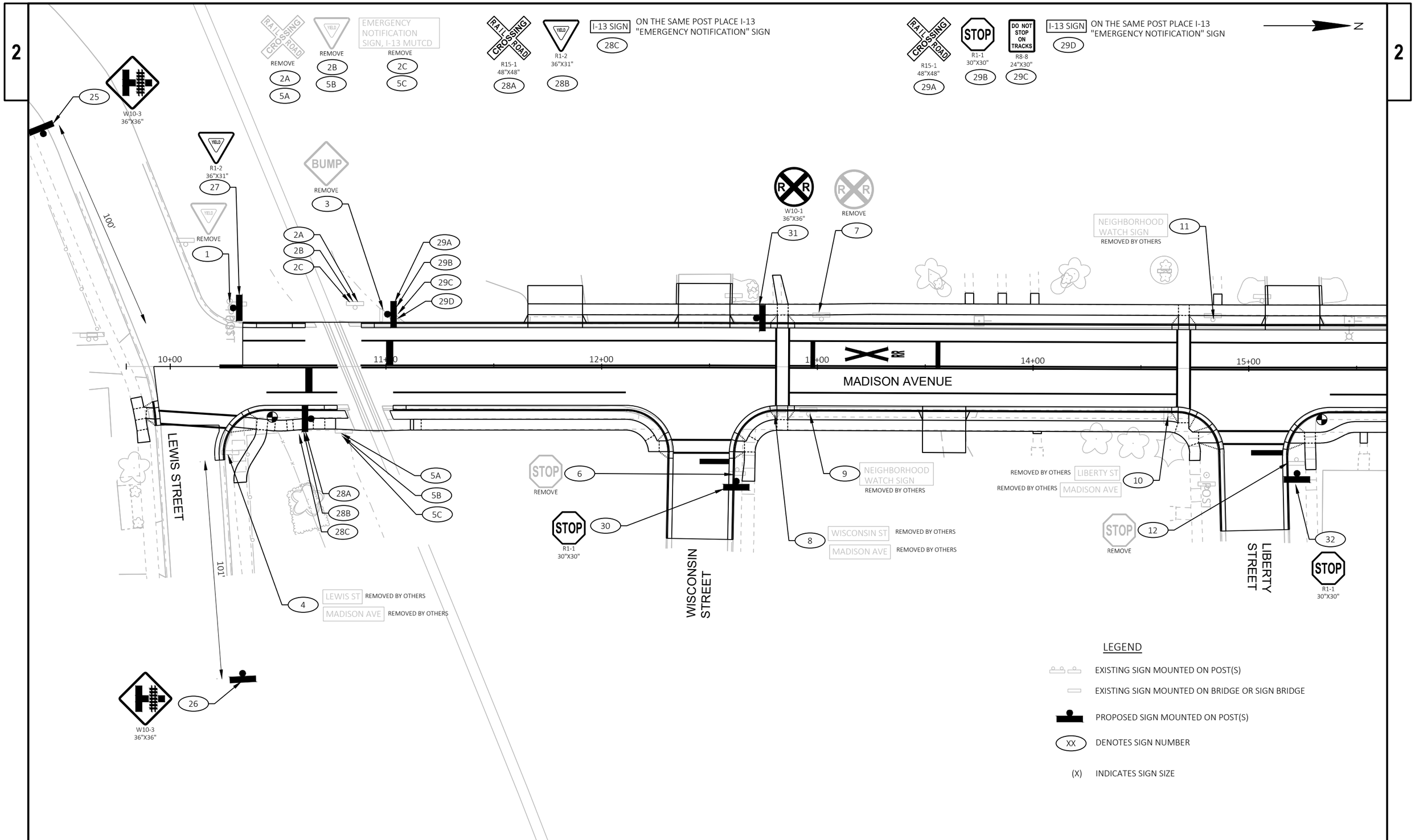




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	SANITARY SEWER	SHEET 55	E



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	SANITARY SEWER	SHEET 56	E



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PERMANENT SIGNING:	SHEET 57	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 01

PLOT DATE : 2/20/2026 2:22 PM PLOT BY : ENGLES, BRIAN PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

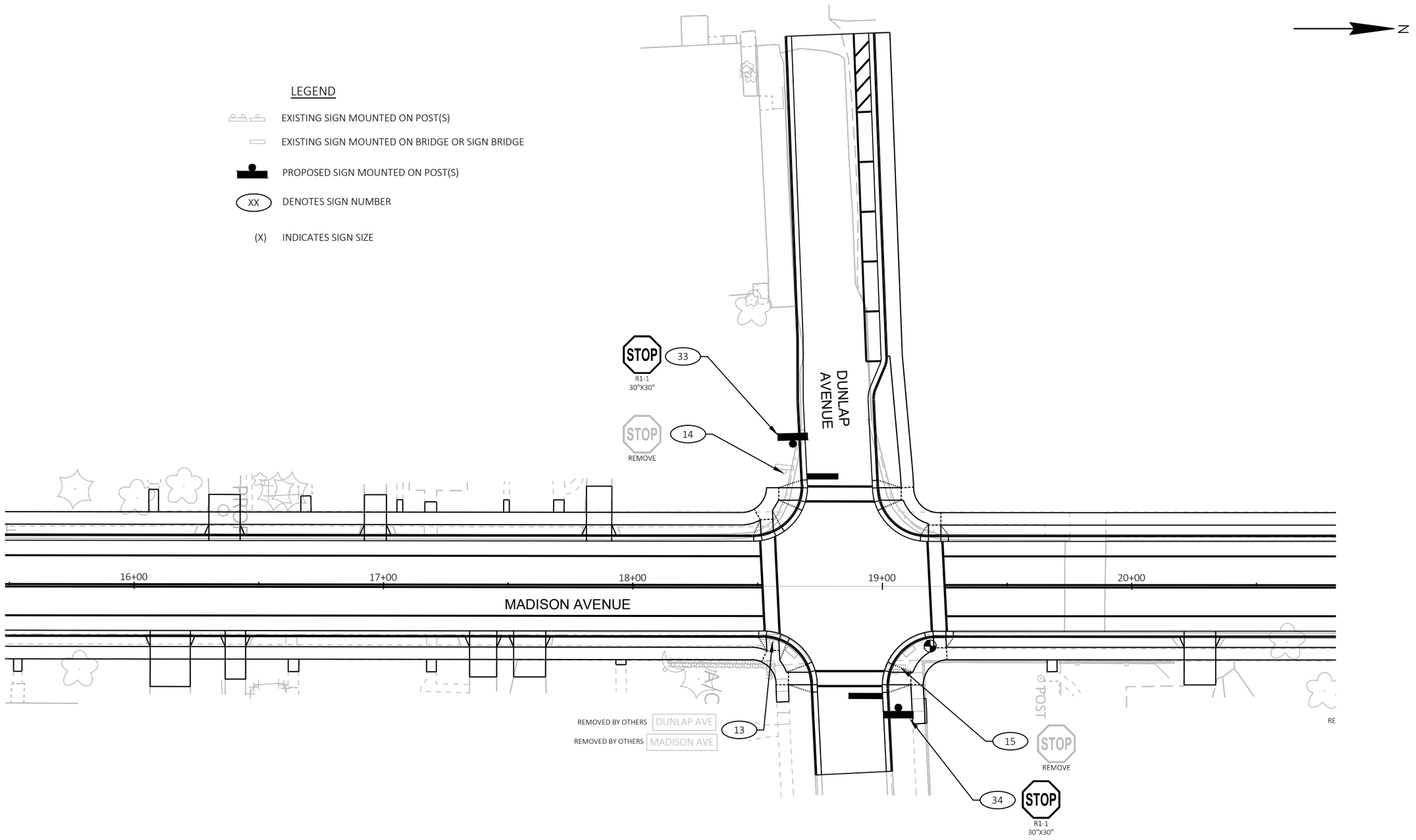
EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

XX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PERMANENT SIGNING:	SHEET 58	E

2

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

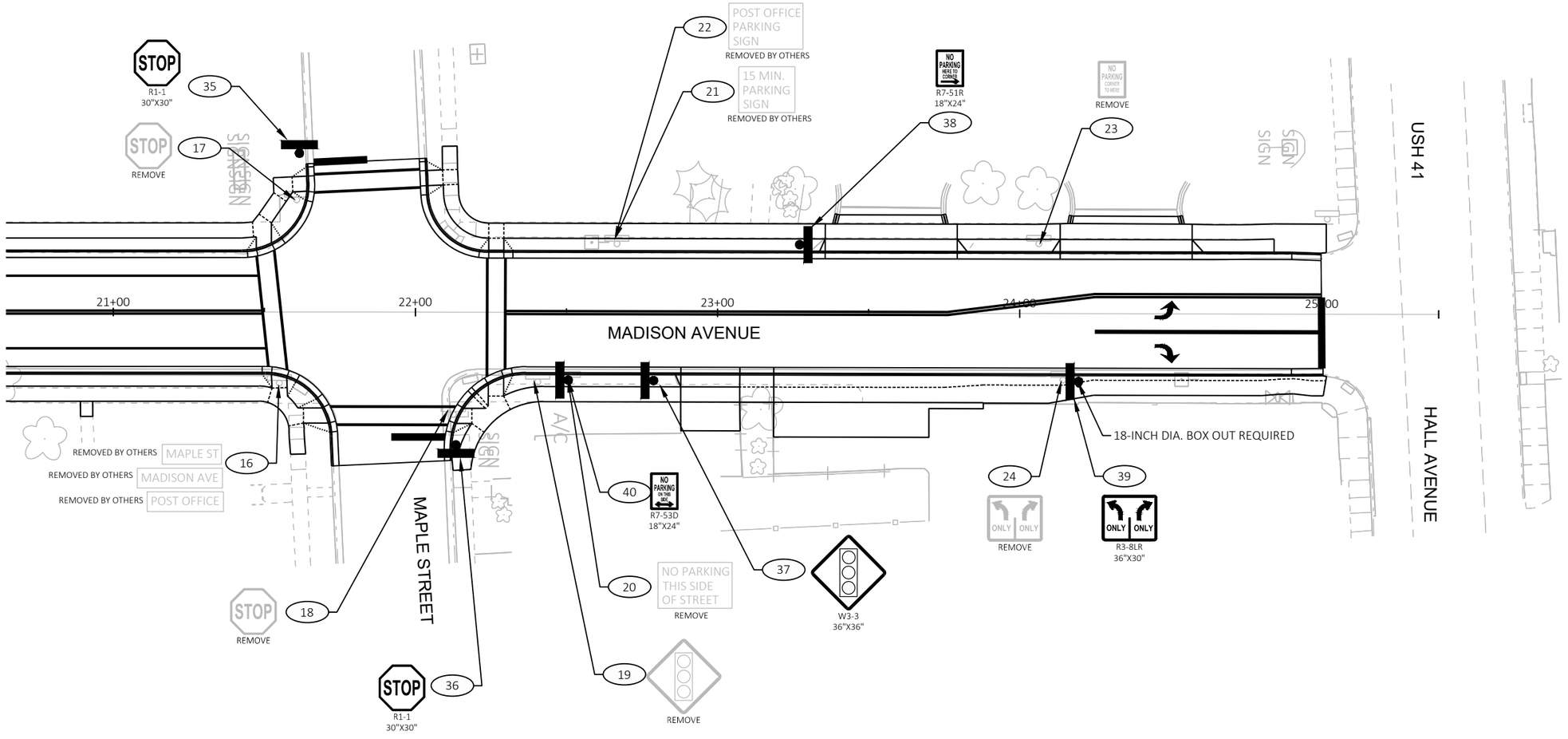
EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

XX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

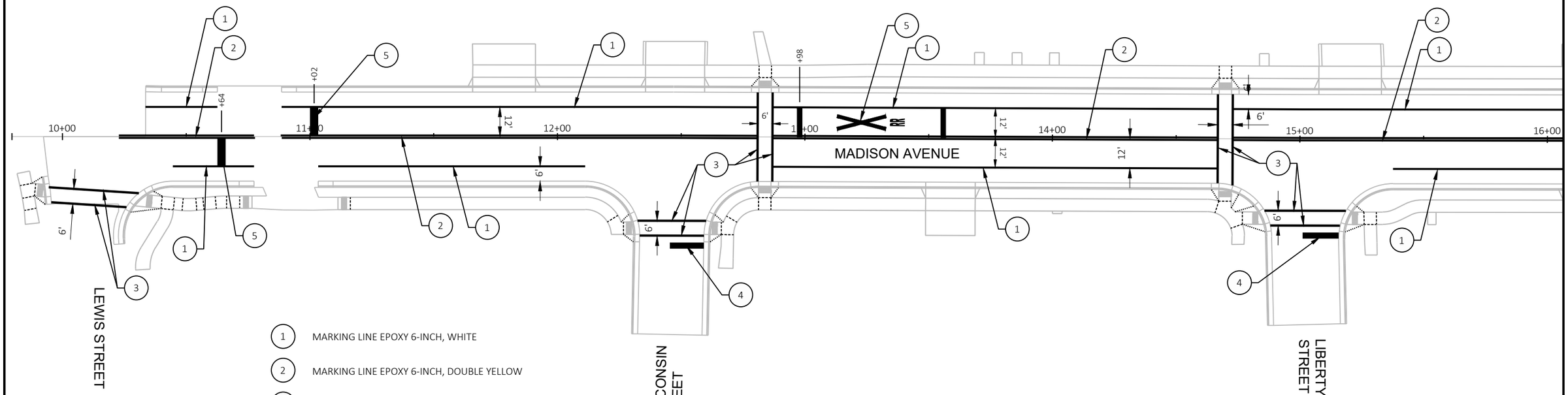
N



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PERMANENT SIGNING:	SHEET 59	E

2

N



1. MARKING LINE EPOXY 6-INCH, WHITE
2. MARKING LINE EPOXY 6-INCH, DOUBLE YELLOW
3. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
4. MARKING STOP LINE EPOXY 18-INCH, WHITE
5. MARKING RAILROAD CROSSING EPOXY
6. MARKING LINE EPOXY 4-INCH, WHITE
7. MARKING LINE EPOXY 10-INCH, WHITE
8. MARKING ARROW EPOXY, TYPE 2

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PAVEMENT MARKING:	SHEET 60	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 01
PLOT DATE : 2/20/2026 2:23 PM
PLOT BY : ENGLES, BRIAN
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

1 MARKING LINE EPOXY 6-INCH, WHITE

2 MARKING LINE EPOXY 6-INCH, DOUBLE YELLOW

3 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE

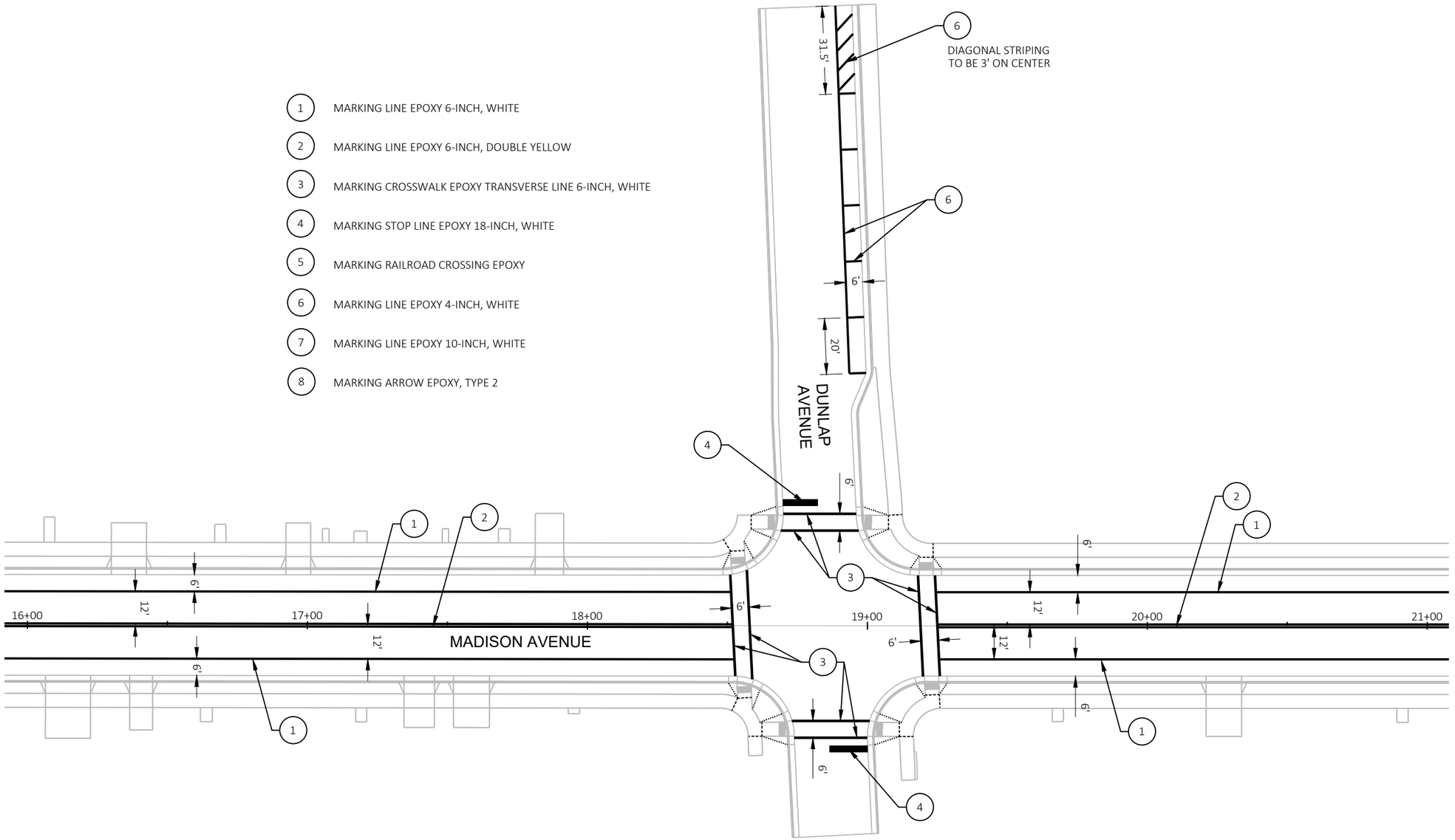
4 MARKING STOP LINE EPOXY 18-INCH, WHITE

5 MARKING RAILROAD CROSSING EPOXY

6 MARKING LINE EPOXY 4-INCH, WHITE

7 MARKING LINE EPOXY 10-INCH, WHITE

8 MARKING ARROW EPOXY, TYPE 2



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PAVEMENT MARKING:	SHEET 61	E

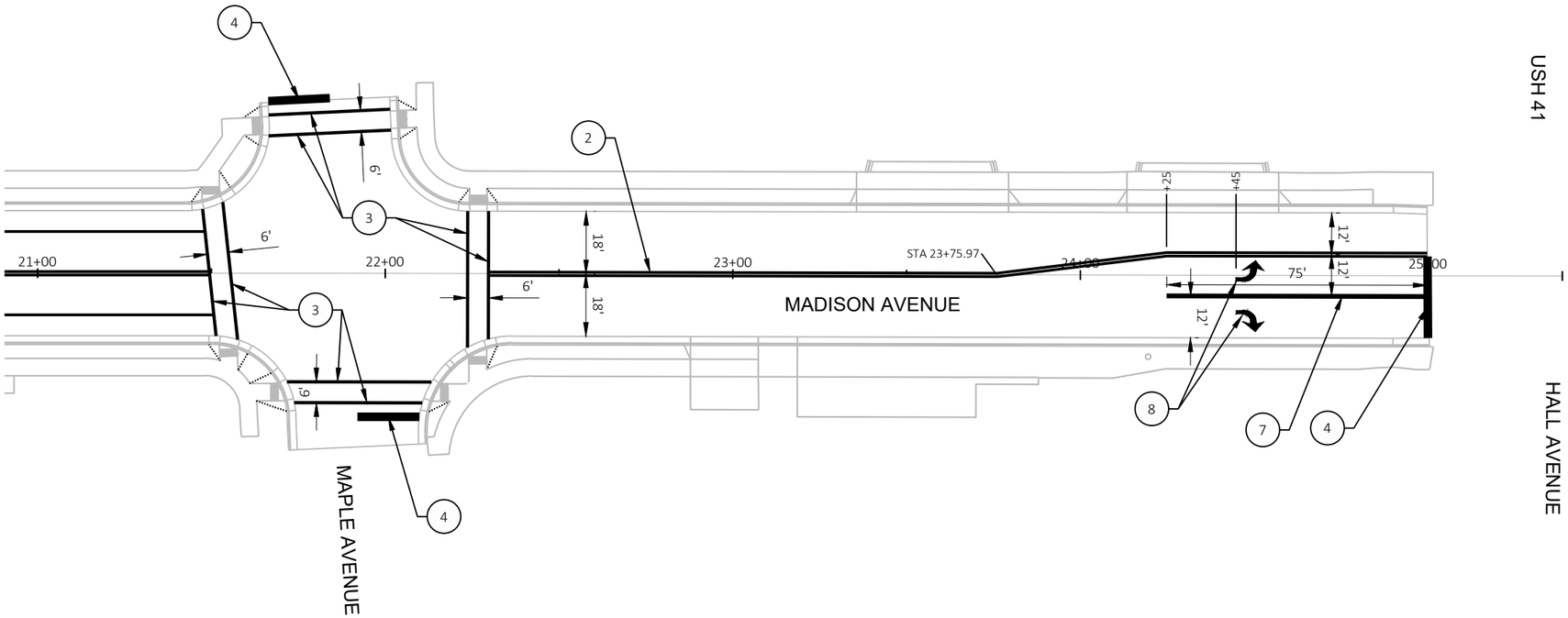
FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02

PLOT DATE : 2/19/2026 9:40 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

1. MARKING LINE EPOXY 6-INCH, WHITE
2. MARKING LINE EPOXY 6-INCH, DOUBLE YELLOW
3. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
4. MARKING STOP LINE EPOXY 18-INCH, WHITE
5. MARKING RAILROAD CROSSING EPOXY
6. MARKING LINE EPOXY 4-INCH, WHITE
7. MARKING LINE EPOXY 10-INCH, WHITE
8. MARKING ARROW EPOXY, TYPE 2



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PAVEMENT MARKING:	SHEET 62	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 03

PLOT DATE : 2/19/2026 9:41 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

(1) REFER TO S.D.D. "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" (DETAIL D, ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW). USED FOR CLOSURE OF LEWIS STREET AT MADISON AVENUE INTERSECTION FOR UTILITY WORK. ALSO USED FOR THE CLOSURE OF MADISON AVENUE ONLY AT LEWIS STREET INTERSECTION.

(2) REFER TO S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES", (DETAIL 4, CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

(3) REFER TO S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC". (TYPICAL SIDE ROAD WARNING SIGN DETAIL). USED WHEN ONLY MADISON AVENUE IS CLOSED AT THE LEWIS STREET INTERSECTION.

(4) REFER TO S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION". USED FOR CONSTRUCTION OF MAPLE STREET INTERSECTION.

(5) REFER TO S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS". USED FOR PEDESTRIAN DETOUR/TRAFFIC CONTROL.

(6) REFER TO S.D.D. "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY". USED FOR TEMPORARY PEDESTRIAN CROSSINGS NEAR DUNLAP AVENUE INTERSECTION AND LEWIS STREET INTERSECTION.

NOTE:

INSTALL PORTABLE CHANGEABLE MESSAGE SIGN TWO WEEKS PRIOR TO MADISON AVE. CLOSURE INFORMING THE PUBLIC OF ROADWAY CLOSURE. MESSAGE TO BE DETERMINED BY ENGINEER.

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

ALL SIGNS 48"X48" UNLESS OTHERWISE NOTED.

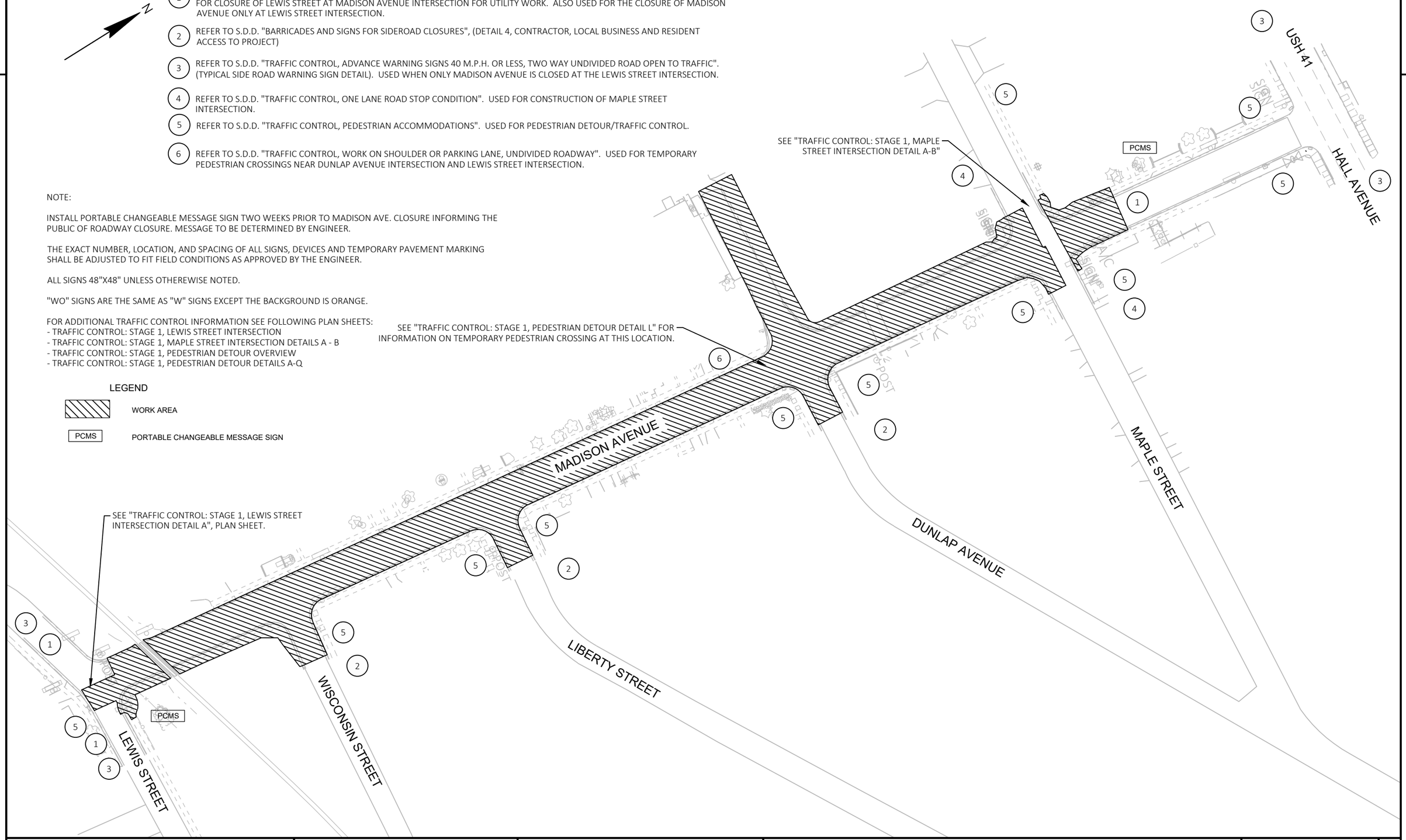
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, LEWIS STREET INTERSECTION
- TRAFFIC CONTROL: STAGE 1, MAPLE STREET INTERSECTION DETAILS A - B
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR DETAILS A-Q

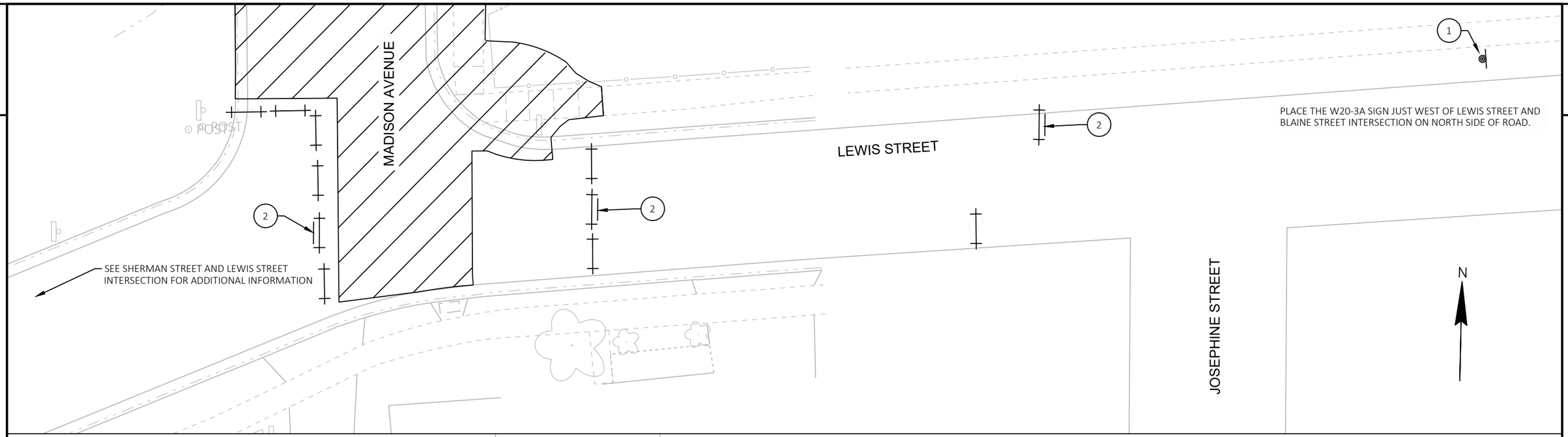
LEGEND

WORK AREA

PCMS — PORTABLE CHANGEABLE MESSAGE SIGN



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1 OVERVIEW	SHEET 63	E



NOTE:

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

ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

REFER TO FOLLOWING S.D.D.
-"BARRICADES AND SIGNS FOR MAINLINE CLOSURES AND VARIOUS CLOSURES", (DETAIL D ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW).

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
-TRAFFIC CONTROL: STAGE 1 OVERVIEW
-TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- WORK AREA



1



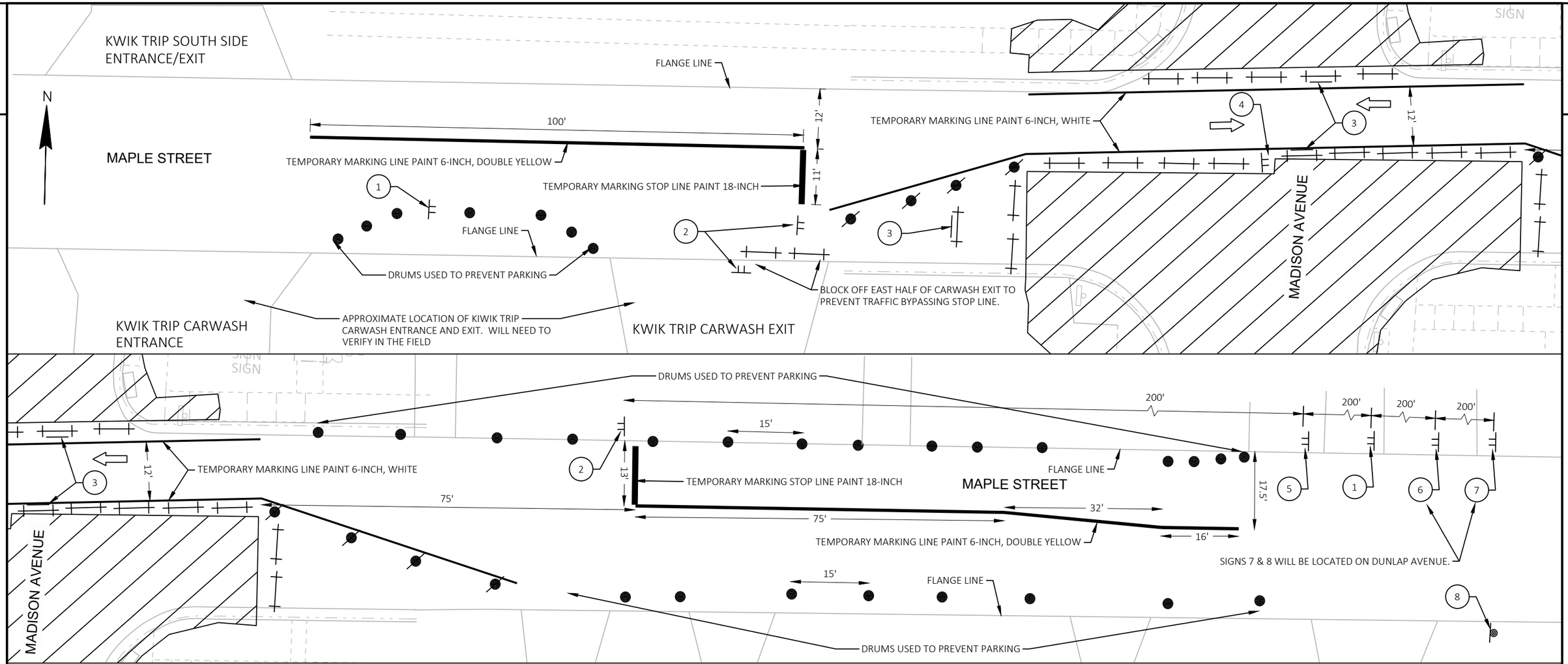
R11-2
48"X30"

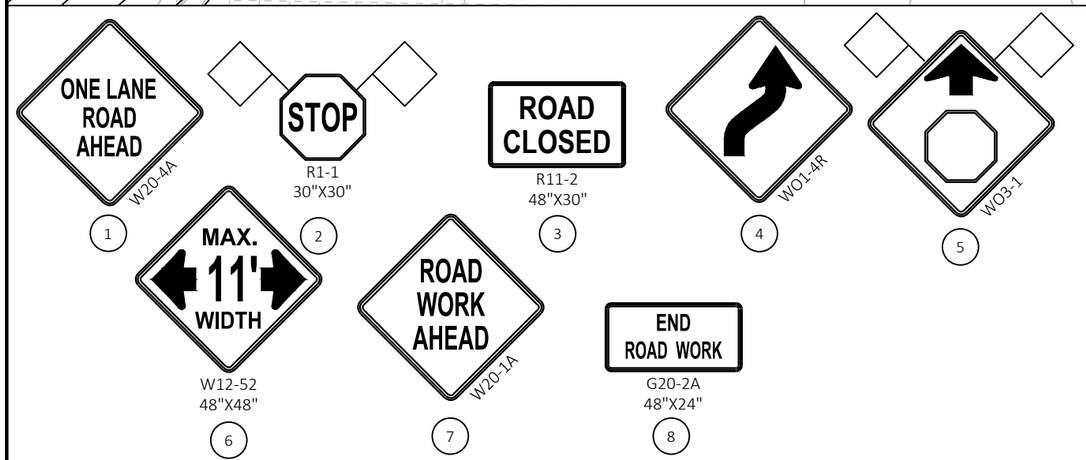
2



3

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, LEWIS STREET INTERSECTION	SHEET 64	E





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

ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

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

REFER TO FOLLOWING S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
-TRAFFIC CONTROL: STAGE 1 OVERVIEW
-TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, MAPLE STREET INTERSECTION DETAIL A	SHEET 65	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\025003_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 2/19/2026 9:51 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

KWIK TRIP SOUTH SIDE ENTRANCE/EXIT

FLANGE LINE

15'

N

MADISON AVENUE

MAPLE STREET

100'

60'

TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW

TEMPORARY MARKING STOP LINE PAINT 18-INCH

15'

11'

TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

12'

15'

FLANGE LINE

DRUMS USED TO PREVENT PARKING

BLOCK OFF EAST HALF OF CARWASH EXIT TO PREVENT TRAFFIC BYPASSING STOP LINE.

KWIK TRIP CARWASH ENTRANCE

APPROXIMATE LOCATION OF KIWIK TRIP CARWASH ENTRANCE AND EXIT. WILL NEED TO VERIFY IN THE FIELD

KWIK TRIP CARWASH EXIT

DRUMS USED TO PREVENT PARKING

200'

200'

200'

200'

MADISON AVENUE

15'

21'

TEMPORARY MARKING STOP LINE PAINT 18-INCH

MAPLE STREET

FLANGE LINE

100'

SIGNS 7 & 8 WILL BE LOCATED ON DUNLAP AVENUE.

75'

TEMPORARY MARKING LINE PAINT 6-INCH, WHITE

12'

TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW

32'

15'

16'

13'

15'

FLANGE LINE

DRUMS USED TO PREVENT PARKING

ONE LANE ROAD AHEAD
W20-4A
1

STOP
R1-1
30"X30"
2

ROAD CLOSED
R11-2
48"X30"
3

WO1-4R
4

WO3-1
5

MAX. 11' WIDTH
W12-52
48"X48"
6

ROAD WORK AHEAD
W20-1A
7

END ROAD WORK
G20-2A
48"X24"
8

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

ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

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

REFER TO FOLLOWING S.D.D. "TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
-TRAFFIC CONTROL: STAGE 1 OVERVIEW
-TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, MAPLE STREET INTERSECTION DETAIL B	SHEET 66	E

2

1. REFER TO S.D.D. "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" (DETAIL D, ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW).
2. REFER TO S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC". (TYPICAL SIDE ROAD WARNING SIGN DETAIL)
3. REFER TO S.D.D. "TRAFFIC CONTROL, SHOULDER CLOSURE OR PARKNG LANE, UNDIVIDED ROADWAY".
4. REFER TO S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS". USED FOR PEDESTRIAN DETOUR/TRAFFIC CONTROL.

NOTE:

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

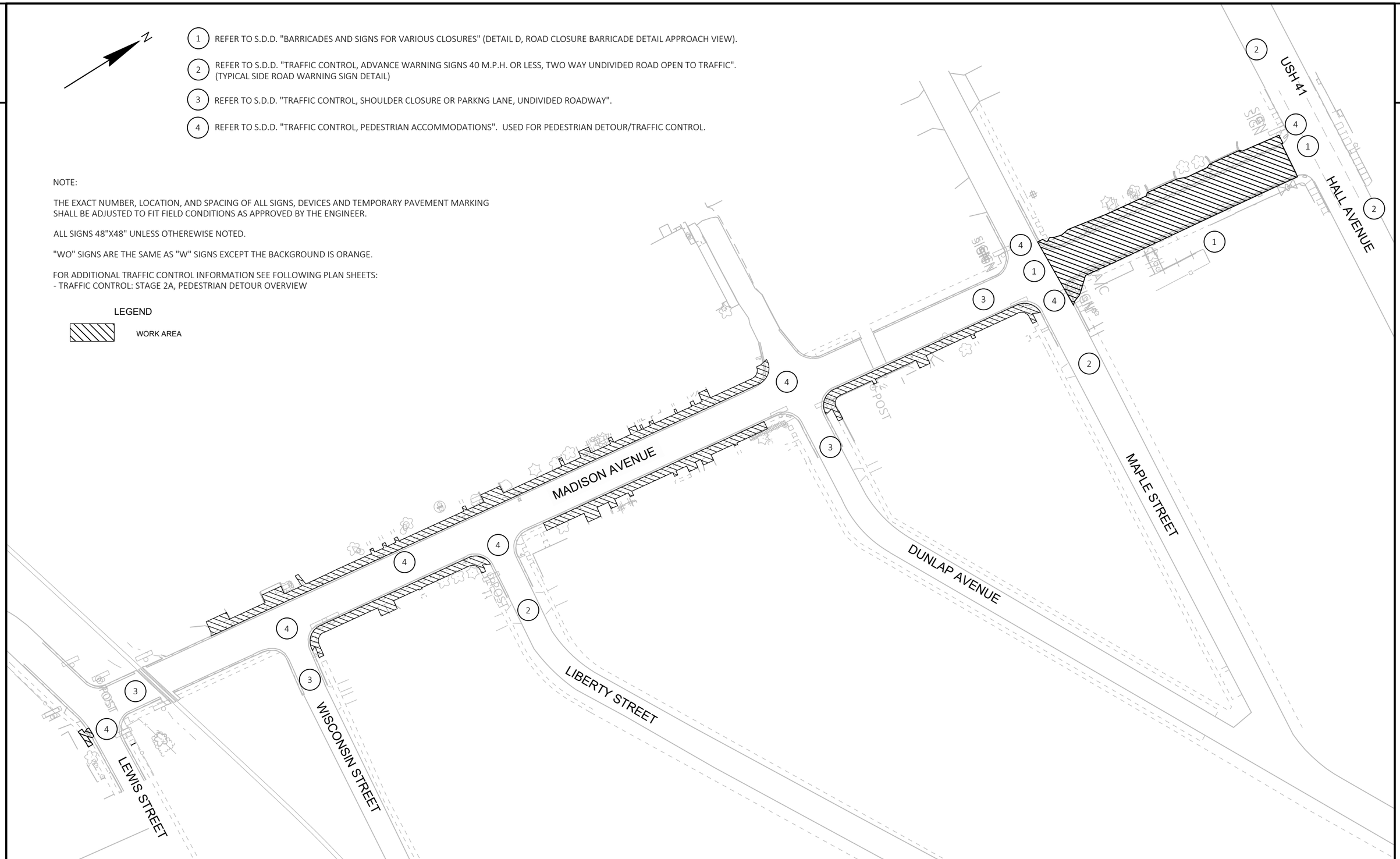
ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

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

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW

LEGEND

WORK AREA



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A OVERVIEW	SHEET 67	E

2

(1) REFER TO S.D.D. "BARRICADES AND SIGNS FOR VARIOUS CLOSURES" (DETAIL D, ROAD CLOSURE BARRICADE DETAIL APPROACH VIEW).

(2) REFER TO S.D.D. "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC". (TYPICAL SIDE ROAD WARNING SIGN DETAIL)

(3) REFER TO S.D.D. "TRAFFIC CONTROL, SHOULDER CLOSURE OR PARKNG LANE, UNDIVIDED ROADWAY".

(4) REFER TO S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS". USED FOR PEDESTRIAN DETOUR/TRAFFIC CONTROL.

NOTE:

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

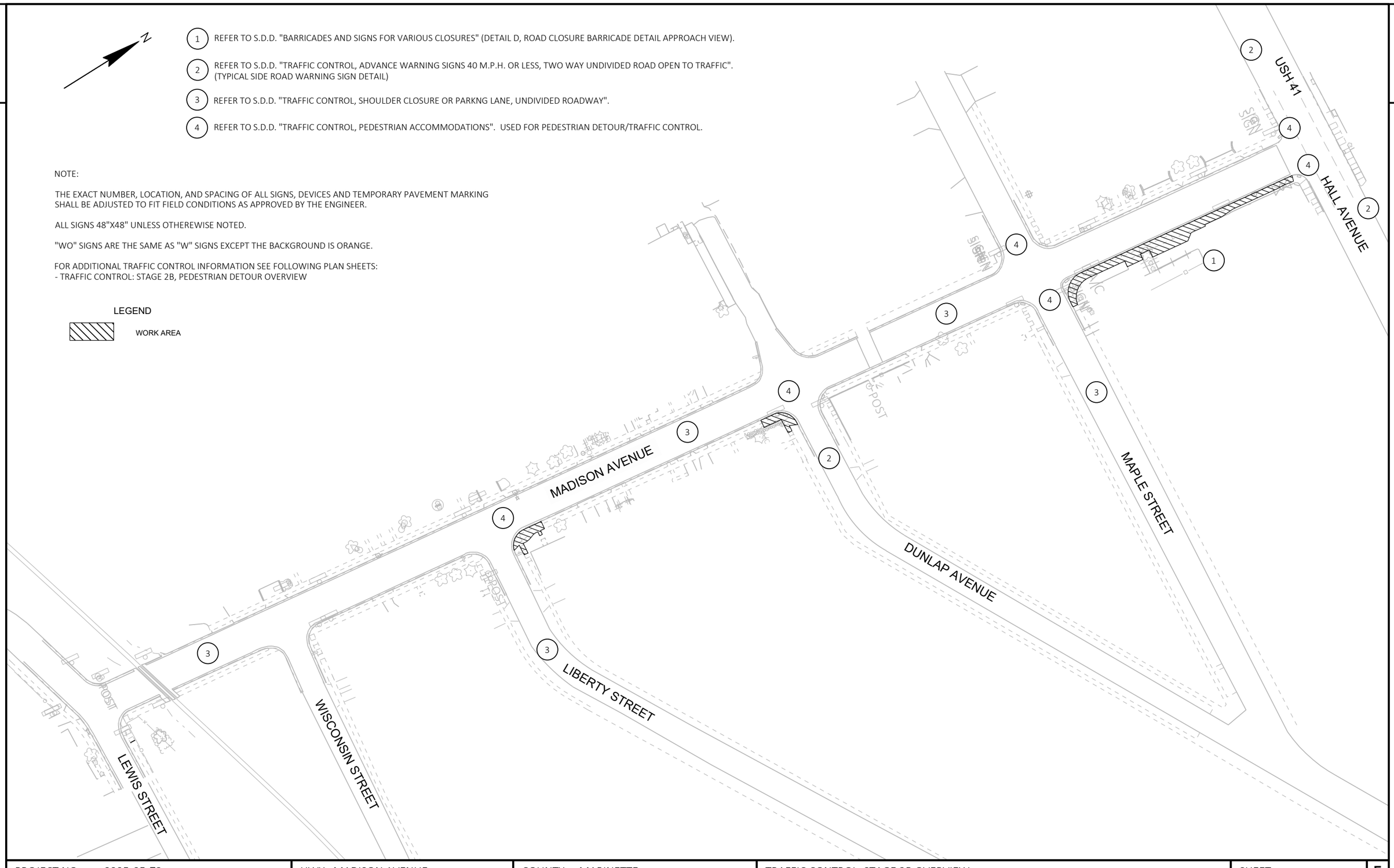
ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

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

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR OVERVIEW

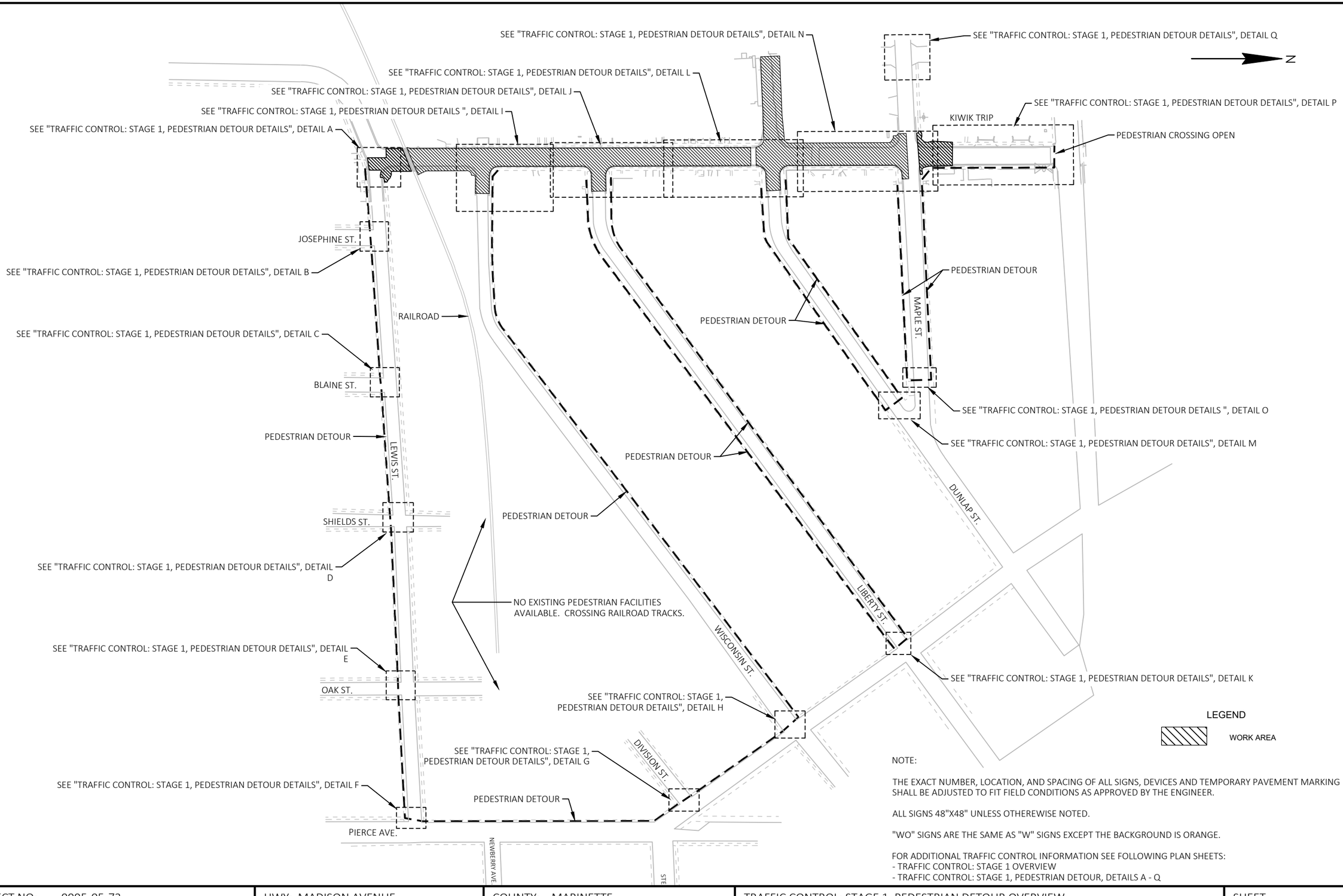
LEGEND

WORK AREA



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2B OVERVIEW	SHEET 68	E

2



NOTE:

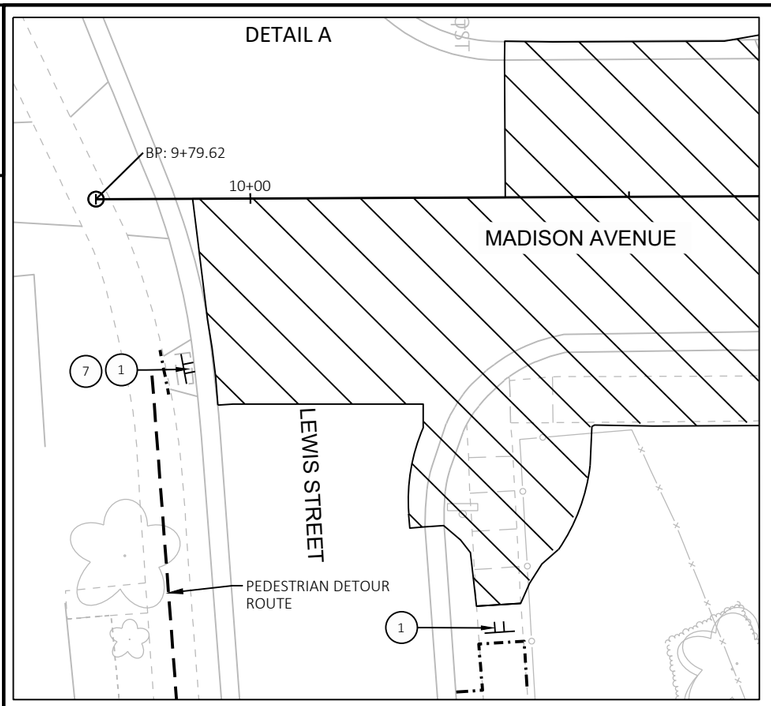
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND TEMPORARY PAVEMENT MARKING SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

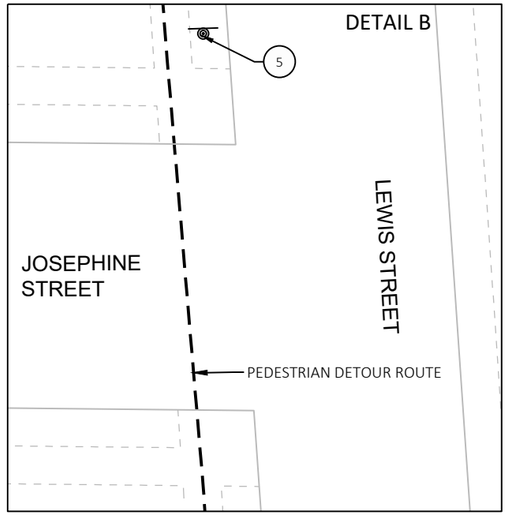
ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

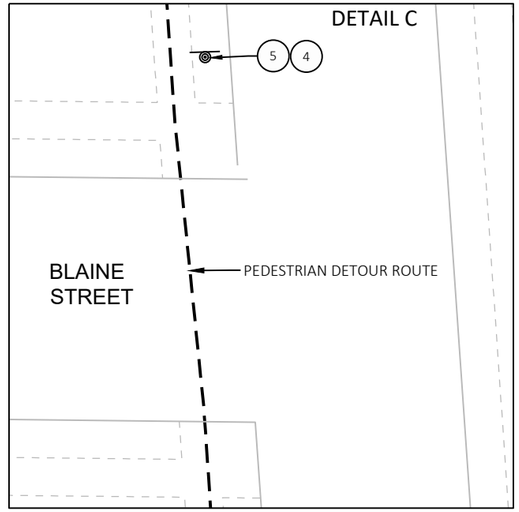
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

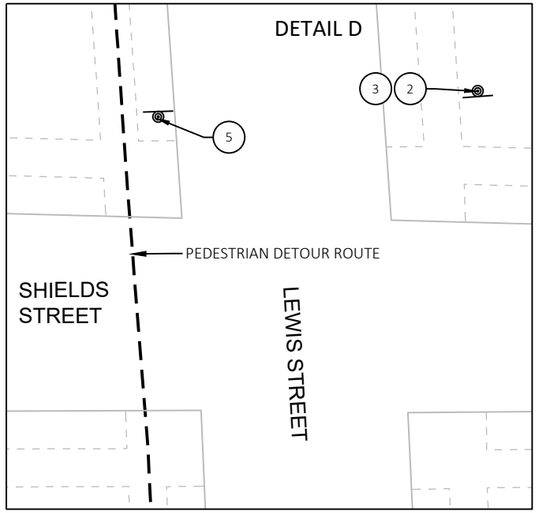
FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1 OVERVIEW
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR, DETAILS A - Q

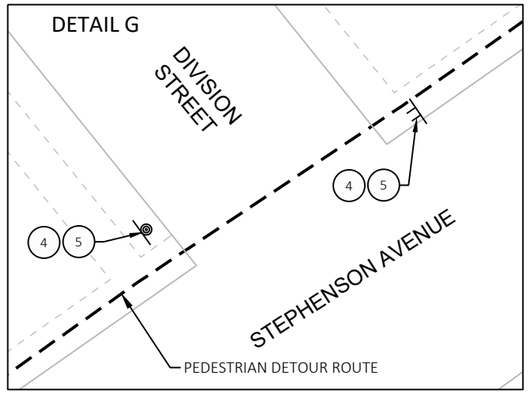
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW	SHEET 69	E











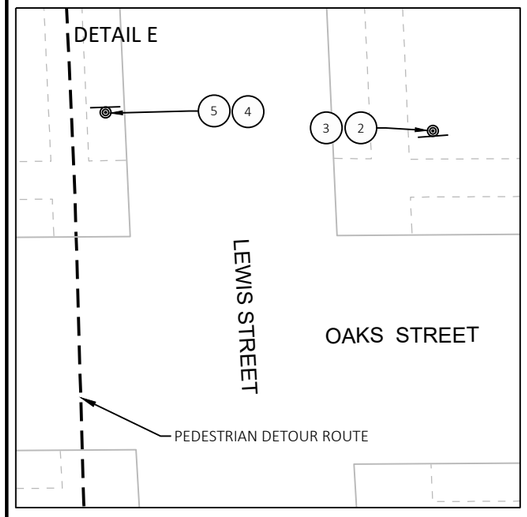
N

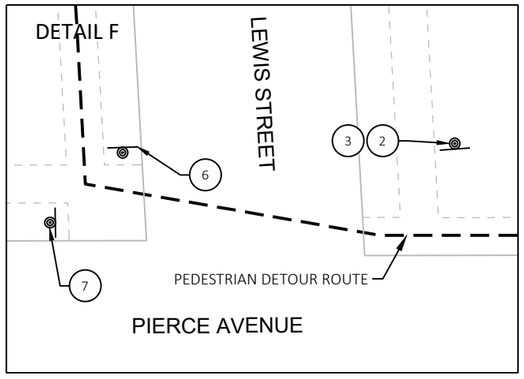
NOTE:

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1 OVERVIEW





LEGEND

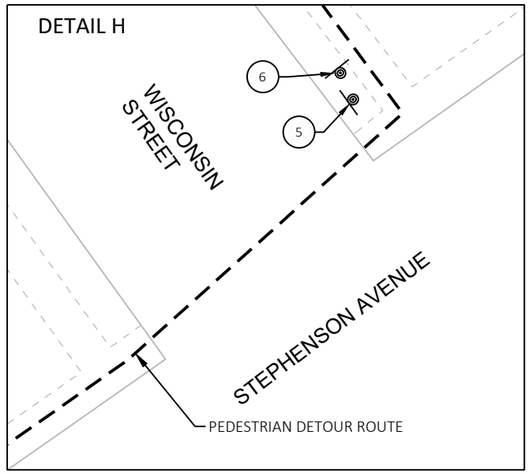
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- WORK AREA

SIDEWALK CLOSED	SIDEWALK CLOSED AHEAD		DETOUR AHEAD	DETOUR	DETOUR	DETOUR
R9-9 24"X12"	R9-9A 30"X18"	M4-60L 30"X24"	M4-9BA 30"X24"	M4-9RA 30"X24"	M4-9BL 30"X24"	M4-9BR 30"X24"
1	2	3	4	5	6	7

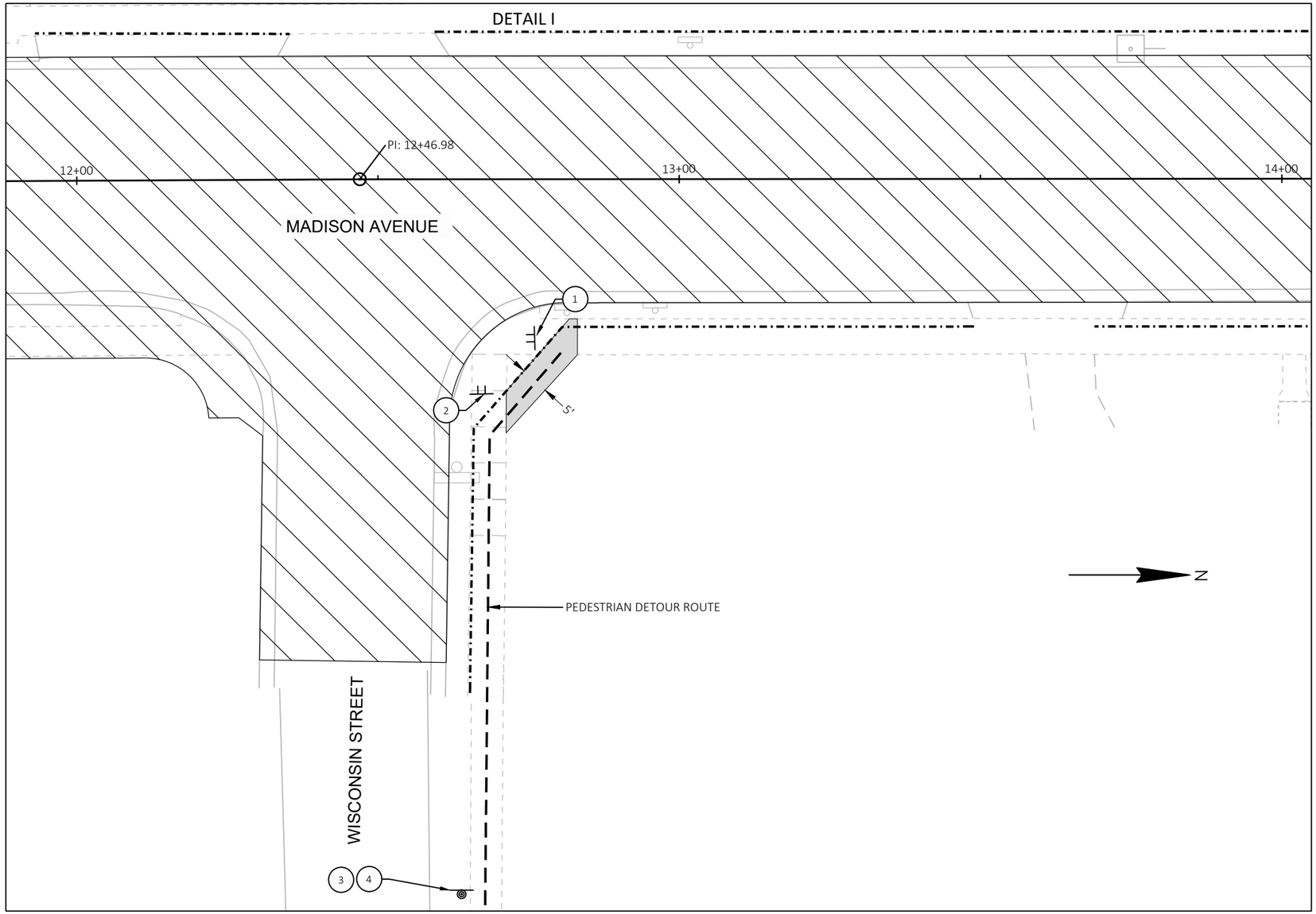
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR DETAILS	SHEET 70	E

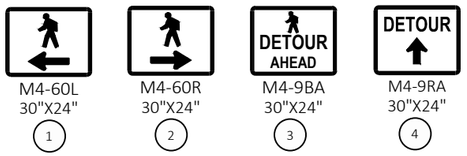
FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\026002_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 2/19/2026 9:56 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

DETAIL H

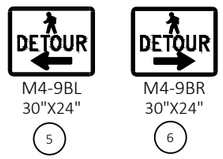


DETAIL I





M4-60L 30"X24" (1)
M4-60R 30"X24" (2)
M4-9BA 30"X24" (3)
M4-9RA 30"X24" (4)



M4-9BL 30"X24" (5)
M4-9BR 30"X24" (6)

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- WORK AREA
- TEMPORARY PEDESTRIAN SURFACE MATTING

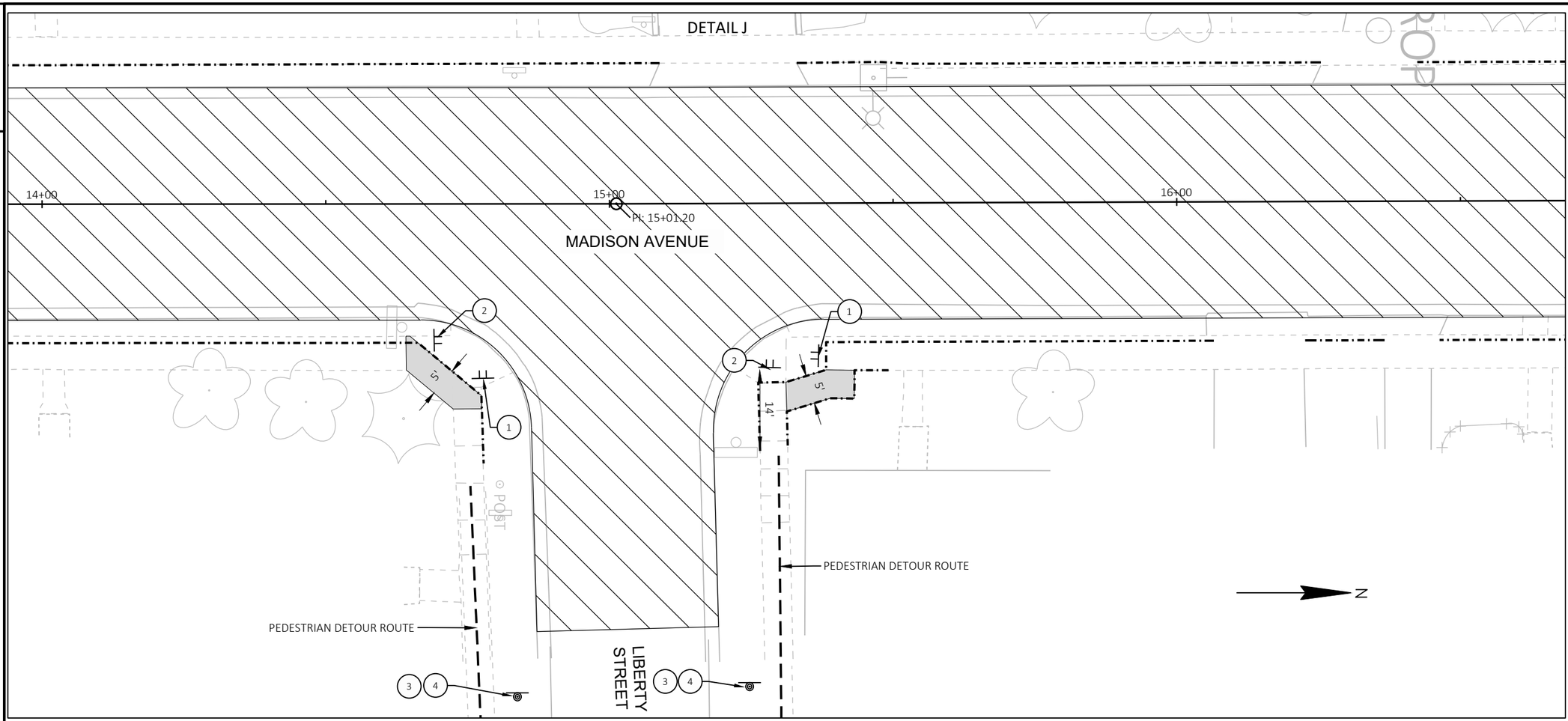
NOTE:

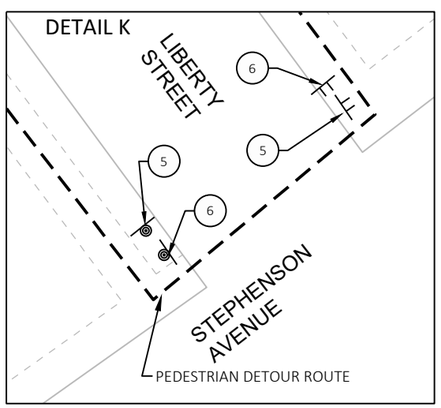
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND TEMPORARY PAVEMENT MARKING SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

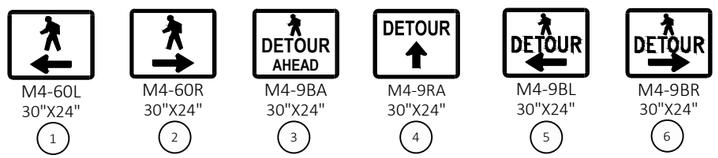
REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1 OVERVIEW

2







M4-60L 30"X24" (1)	M4-60R 30"X24" (2)	M4-9BA 30"X24" (3)	M4-9RA 30"X24" (4)	M4-9BL 30"X24" (5)	M4-9BR 30"X24" (6)

NOTE:

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1 OVERVIEW

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- WORK AREA
- TEMPORARY PEDESTRIAN SURFACE MATTING

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR DETAILS	SHEET 72	E

DETAIL L

TEMPORARY MARKING CROSSWALK PAINT 6-INCH, WHITE

5'

17+00

18+00

PI: 18+84.96

19+00

MADISON AVENUE

DUNLAP AVENUE

PEDESTRIAN DETOUR ROUTE

PEDESTRIAN DETOUR ROUTE

N

DETAIL M

PEDESTRIAN DETOUR ROUTE

DUNLAP AVENUE

MAPLE STREET

WO11-2
48"X48"
1

AHEAD
WO16-9P
24"X12"
2

WO16-7L
24"X12"
3

M4-60L
30"X24"
4

M4-60R
30"X24"
5

M4-60D
30"X24"
6

DETOUR AHEAD
M4-9BA
30"X24"
7

DETOUR
M4-9RA
30"X24"
8

DETOUR
M4-9BL
30"X24"
9

DETOUR
M4-9BR
30"X24"
10

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

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
-"TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1 OVERVIEW

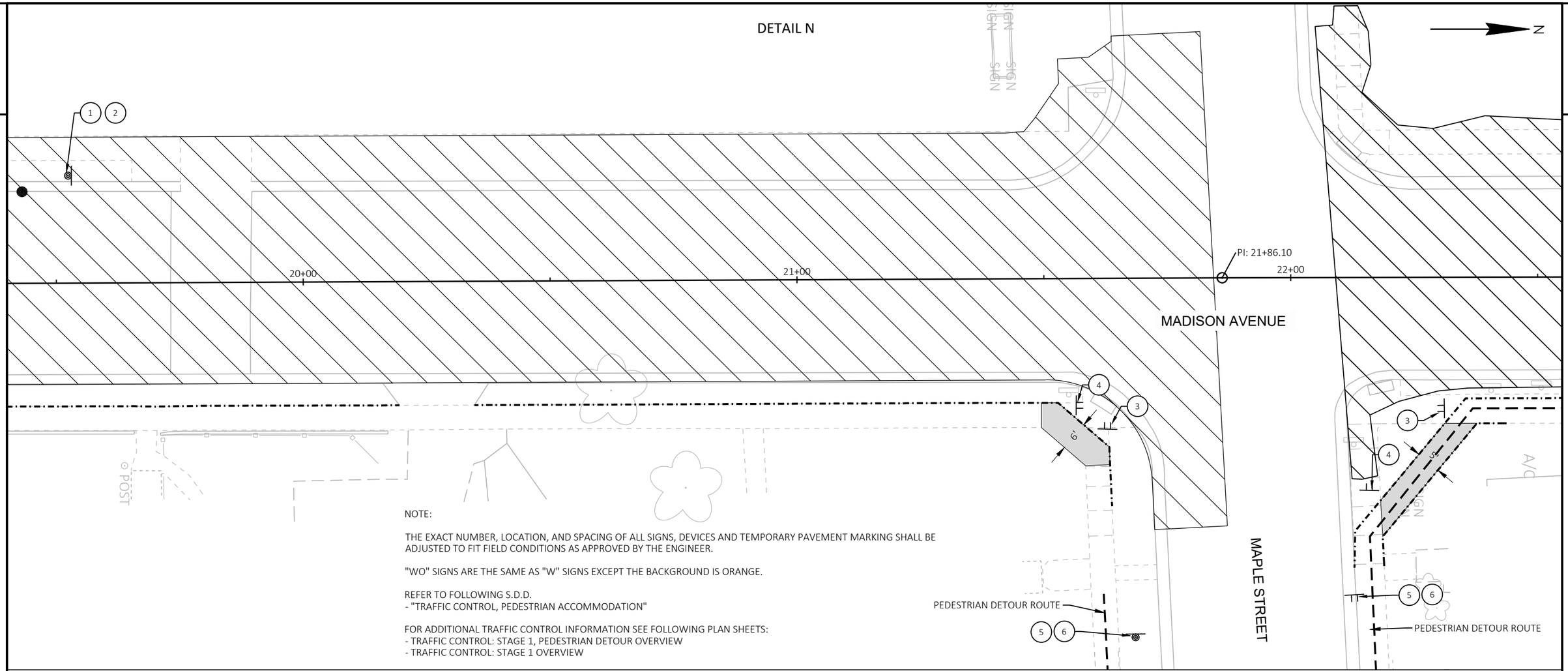
LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TEMPORARY PEDESTRIAN BARRICADE
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY DETECTABLE WARNING FIELD

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR DETAILS	SHEET 73	E

2

DETAIL N



NOTE:

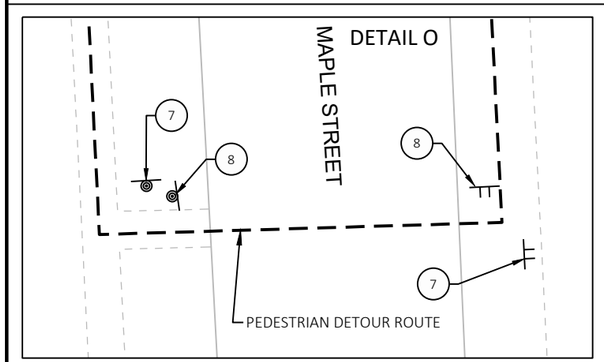
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND TEMPORARY PAVEMENT MARKING SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1 OVERVIEW

DETAIL O





WO11-2
48"X48"
1



WO16-9P
24"X12"
2



M4-60L
30"X24"
3



M4-60R
30"X24"
4



M4-9BA
30"X24"
5



M4-9RA
30"X24"
6



M4-9BL
30"X24"
7

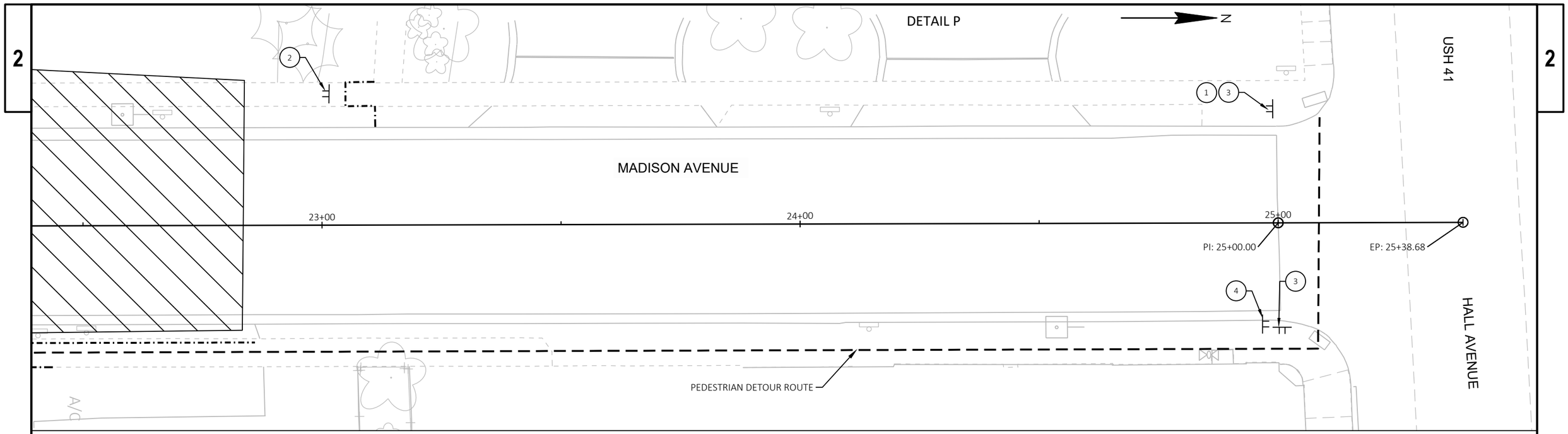


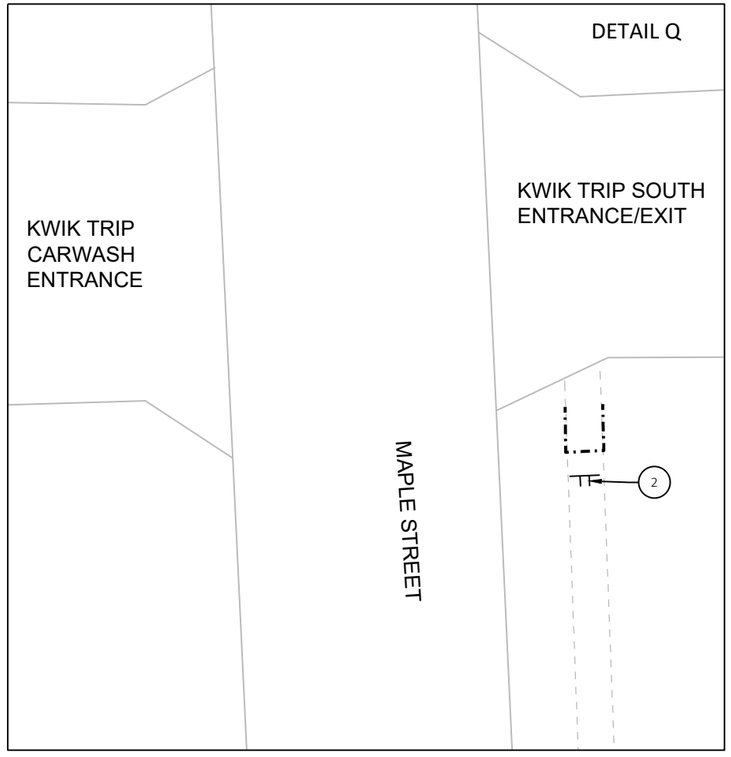
M4-9BR
30"X24"
8

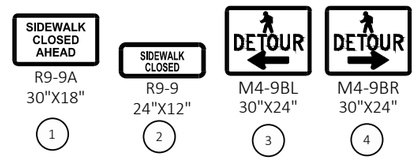
LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TEMPORARY PEDESTRIAN BARRICADE
- WORK AREA
- TEMPORARY PEDESTRIAN SURFACE MATTING

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR DETAILS	SHEET 74	E







LEGEND

- SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- WORK AREA

NOTE:

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 1 OVERVIEW

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 1, PEDESTRIAN DETOUR DETAILS	SHEET 75	E

NOTE:

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

ALL SIGNS 48"X48" UNLESS OTHEREWISE NOTED.

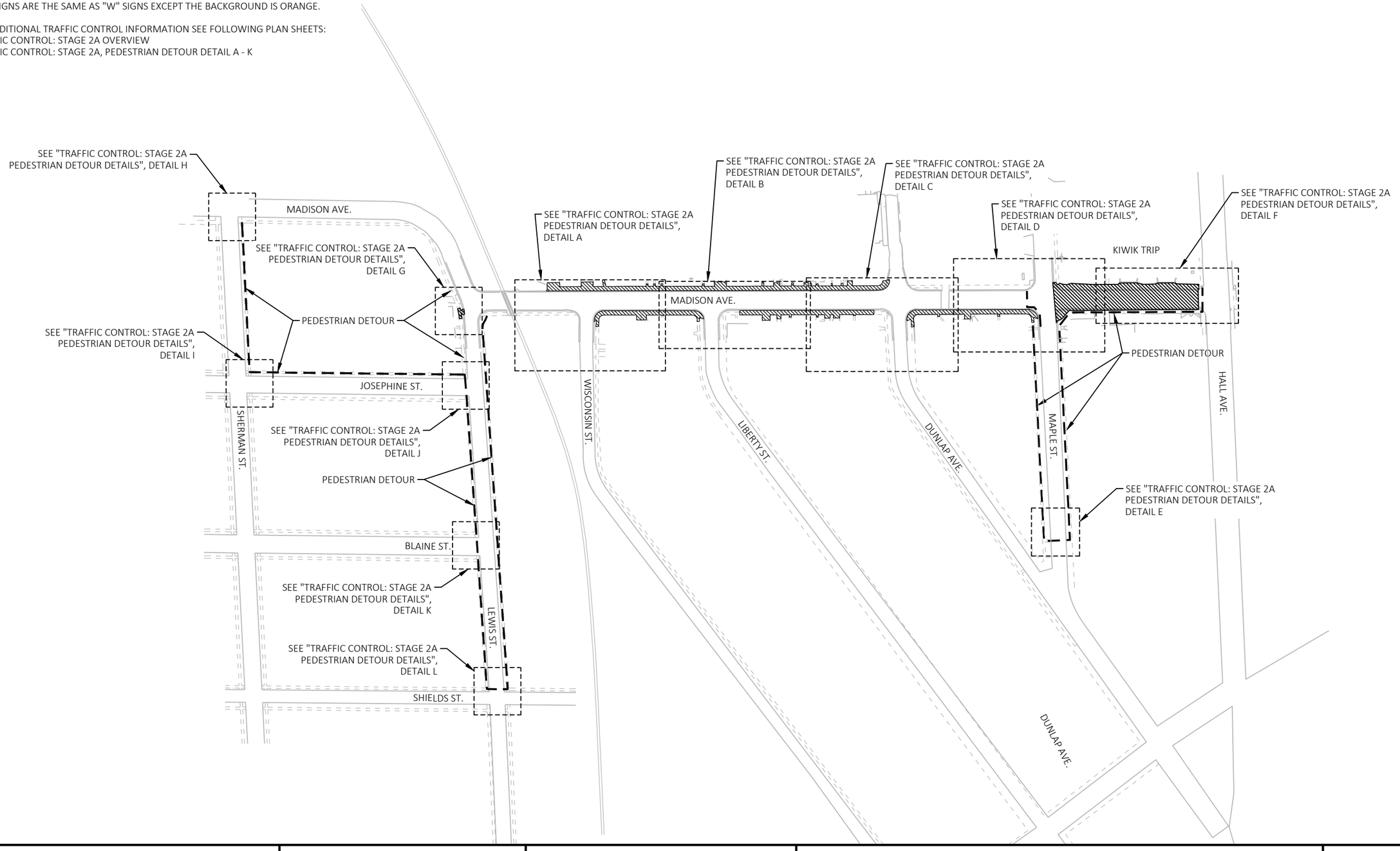
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A OVERVIEW
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAIL A - K

LEGEND

WORK AREA

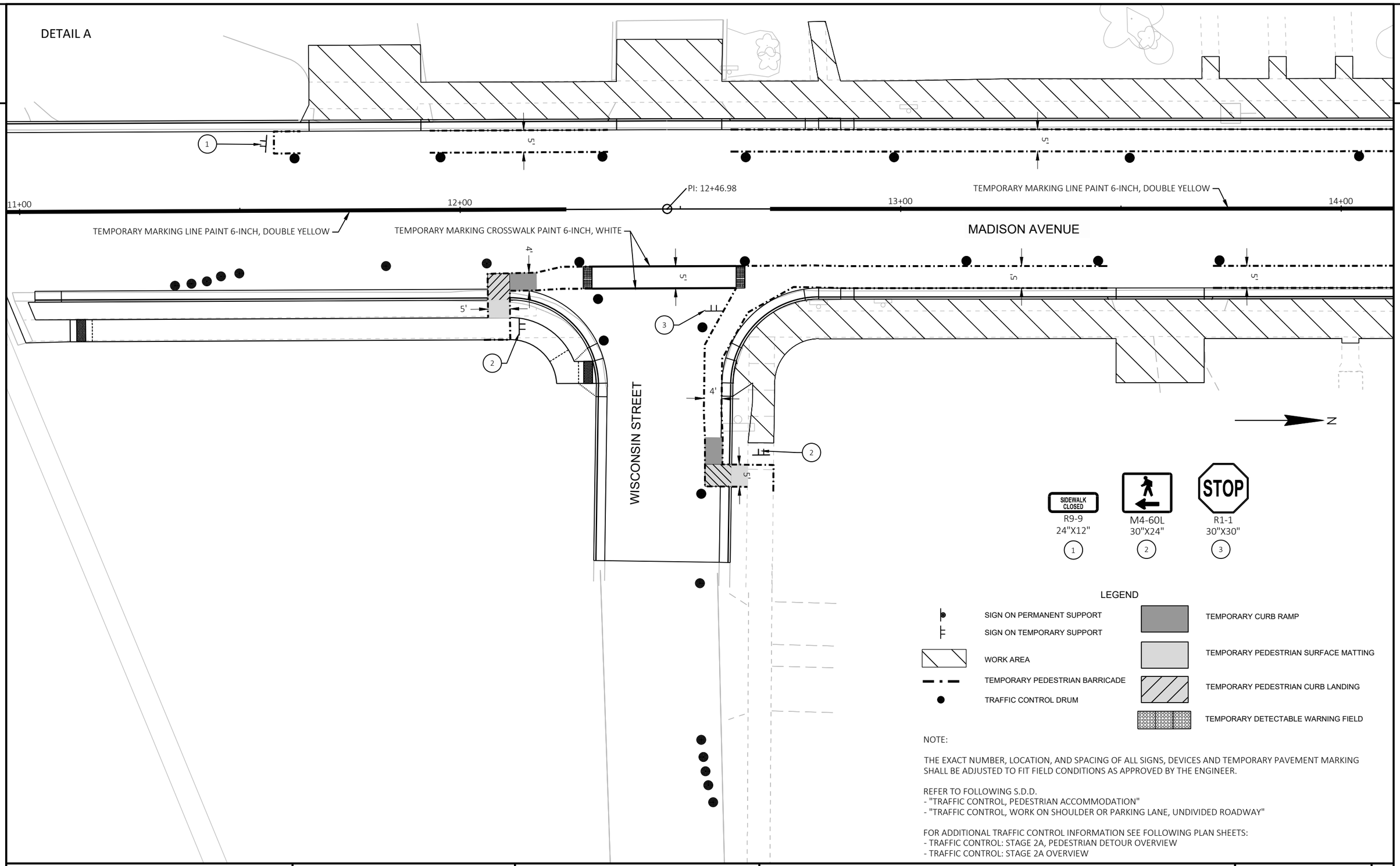
N



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW	SHEET 76	E

2

DETAIL A



SIDEWALK CLOSED
R9-9
24"X12"
1

M4-60L
30"X24"
2

STOP
R1-1
30"X30"
3

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

NOTE:

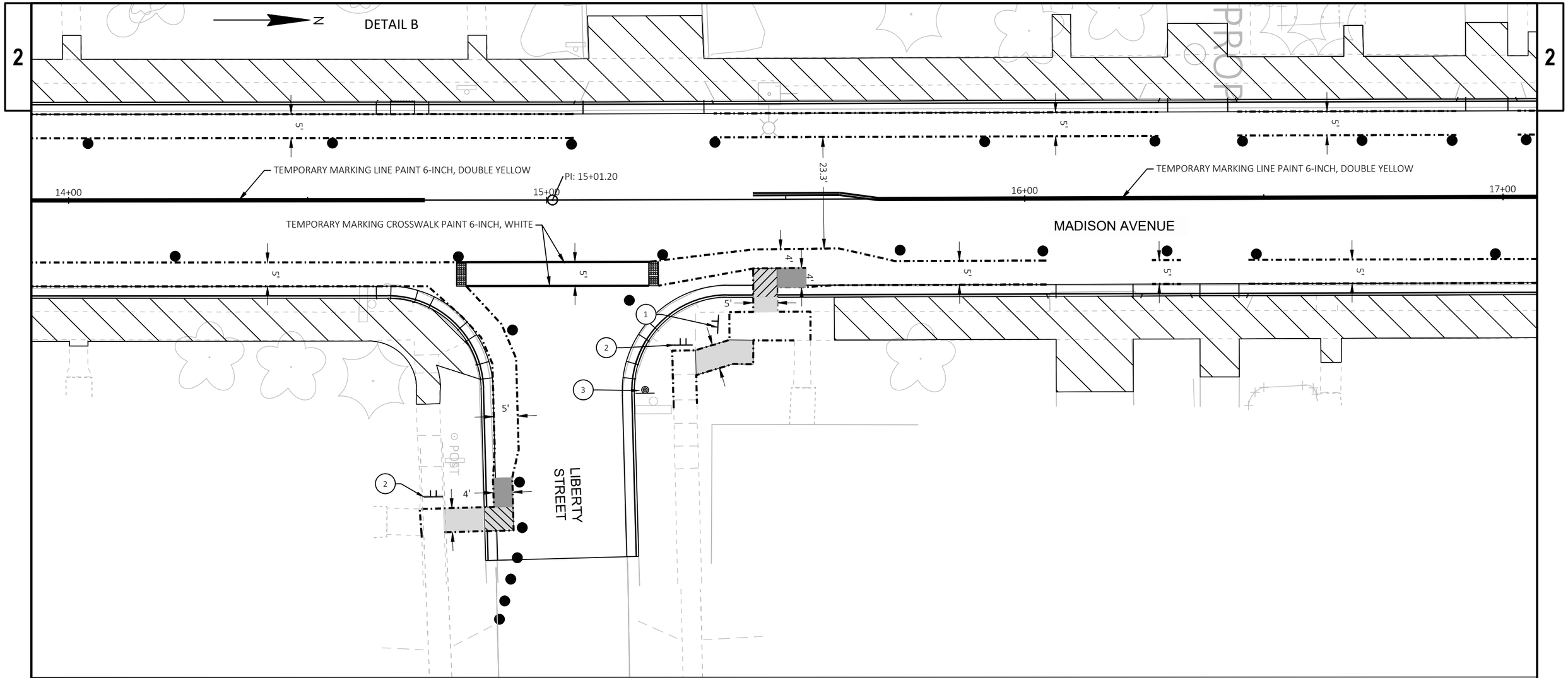
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND TEMPORARY PAVEMENT MARKING SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2A OVERVIEW

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAILS	SHEET 77	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\026004_TC.DWG
LAYOUT NAME - 01
PLOT DATE : 2/19/2026 9:59 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42



M4-60L
30"X24"
1

M4-60R
30"X24"
2

STOP
R1-1
30"X30"
3

NOTE:

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2A OVERVIEW

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAILS	SHEET 78	E

DETAIL C

N

MADISON AVENUE

17+00 18+00 19+00 20+00

TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW

TEMPORARY MARKING CROSSWALK PAINT 6-INCH, WHITE

PI: 18+84.96

TEMPORARY MARKING CROSSWALK PAINT 6-INCH, WHITE

TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW

DUNLAP AVENUE

POST


WO11-2
48"X48"
1



WO16-9P
24"X12"
2


WO16-7L
24"X12"
3



R9-9
24"X12"
4



R1-1
30"X30"
5


M4-60L
30"X24"
6

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

NOTE:

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

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2A OVERVIEW

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAILS	SHEET 79	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\026004_TC.DWG
LAYOUT NAME - 03
PLOT DATE : 2/19/2026 10:00 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

N

DETAIL D

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

NOTE:

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

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2A OVERVIEW

PLACE DRUMS TO PREVENT PARKING, FROM KIWK TRIP CARWASH EXIT TO CROSSWALK

MADISON AVENUE

5'

TEMPORARY MARKING CROSSWALK PAINT 6-INCH, WHITE

PI: 21+86.10

20+00 21+00 22+00 23+00

TEMPORARY MARKING LINE PAINT 6-INCH, DOUBLE YELLOW

PEDESTRIAN DETOUR ROUTE

PEDESTRIAN DETOUR ROUTE

PEDESTRIAN DETOUR ROUTE

MAPLE STREET

PLACE DRUMS TO PREVENT PARKING

MAPLE STREET

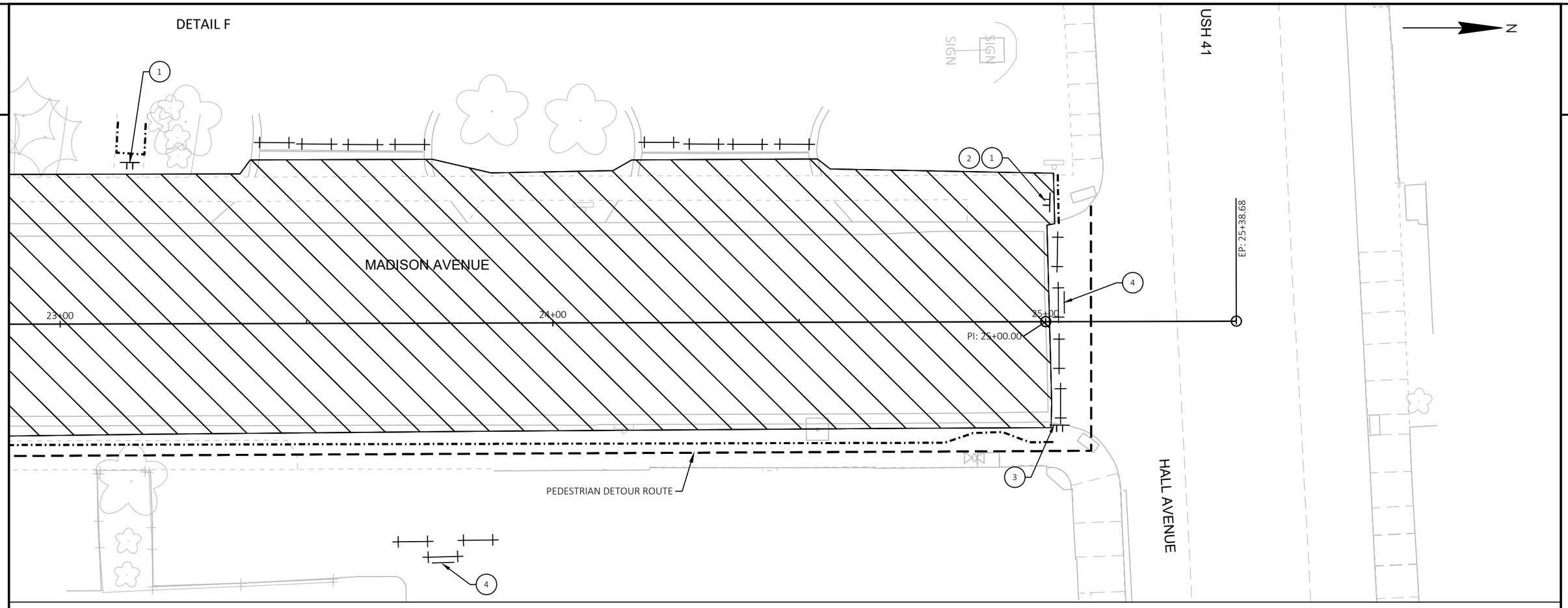
DETAIL E

PEDESTRIAN DETOUR ROUTE

WO11-2 48"X48" (1)	WO16-9P 24"X12" (2)	WO16-7L 24"X12" (3)	R1-1 30"X30" (4)	M4-60L 30"X24" (5)	M4-60R 30"X24" (6)	M4-9BL 30"X24" (7)	M4-9BR 30"X24" (8)
WO5-1 48"X48" (9)	M4-9BA 30"X24" (10)	M4-9RA 30"X24" (11)	R9-9 24"X12" (12)	R11-2 48"X30" (13)			

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAILS	SHEET 80	E

DETAIL F



SIGN ON PERMANENT SUPPORT

SIGN ON TEMPORARY SUPPORT

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

TRAFFIC CONTROL DRUM

TYPE III BARRICADE

TYPE III BARRICADE WTH ATTACHED SIGN

SIDEWALK CLOSED	DETOUR	DETOUR	ROAD CLOSED
R9-9 24"X12" (1)	M4-9BL 30"X24" (2)	M4-9BR 30"X24" (3)	R11-2 48"X30" (4)

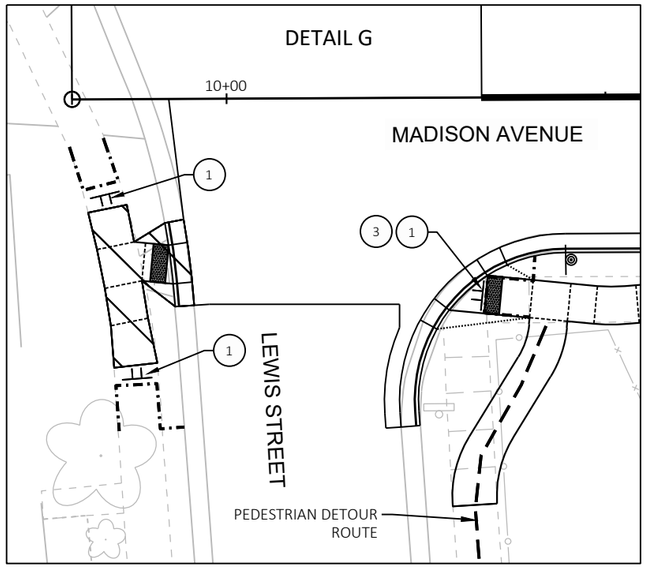
NOTE:

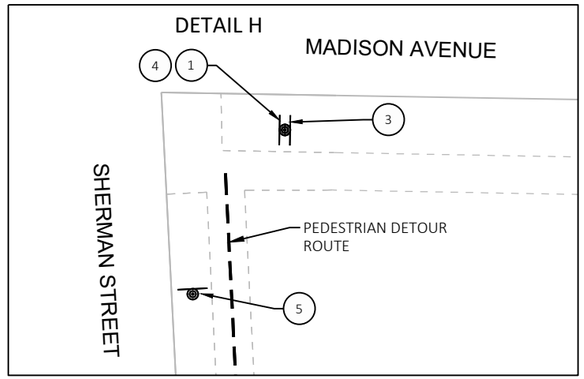
THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS, DEVICES AND TEMPORARY PAVEMENT MARKING SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

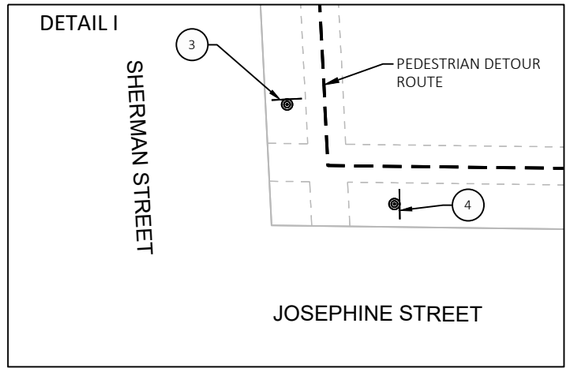
REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"

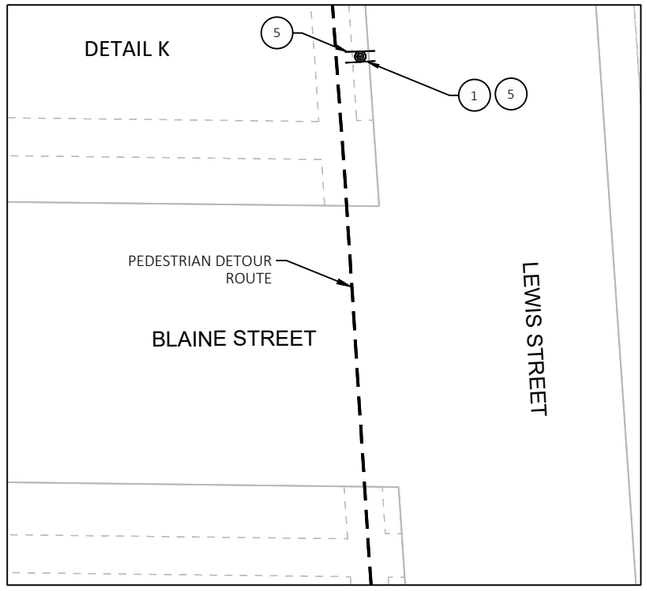
FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2A OVERVIEW

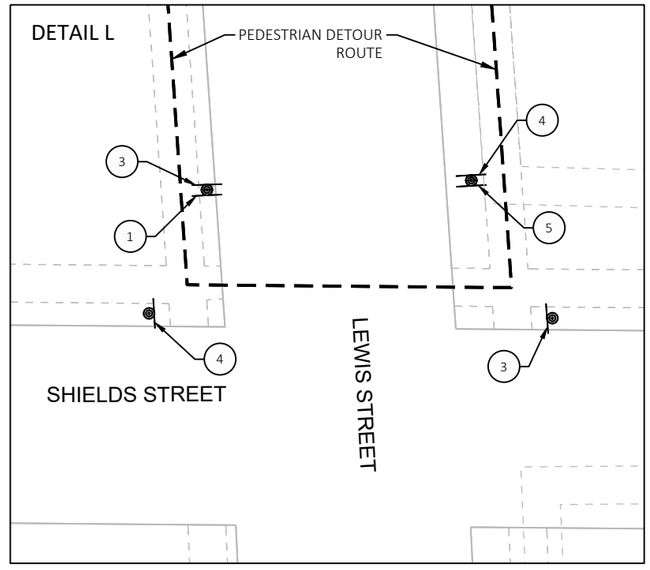
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAILS	SHEET 81	E

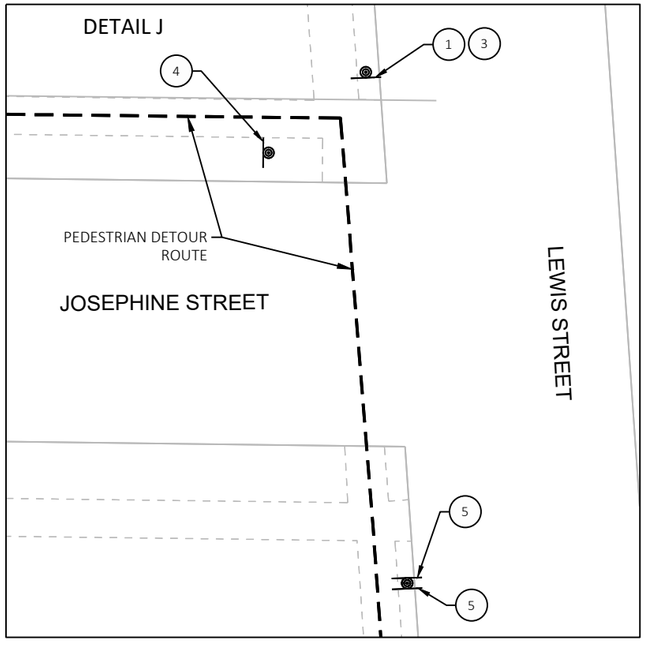












LEGEND

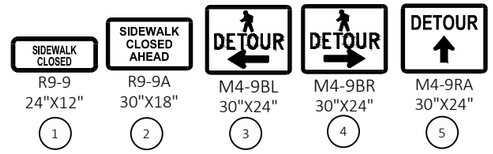
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE

NOTE:

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2A OVERVIEW



R9-9 24"X12"	R9-9A 30"X18"	M4-9BL 30"X24"	M4-9BR 30"X24"	M4-9RA 30"X24"
1	2	3	4	5

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2A, PEDESTRIAN DETOUR DETAILS	SHEET 82	E

NOTE:

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

ALL SIGNS 48"X48" UNLESS OTHERWISE NOTED.

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

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2B OVERVIEW
- TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR DETAIL A - D

LEGEND

WORK AREA

N

SEE "TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR", DETAIL A

SEE "TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR", DETAIL B

SEE "TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR", DETAIL D

KIWIK TRIP

HALL AVE.

LEWIS ST.

WISCONSIN ST.

LIBERTY ST.

DUNLAP AVE.

MAPLE ST.

SEE "TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR", DETAIL C

RAILROAD

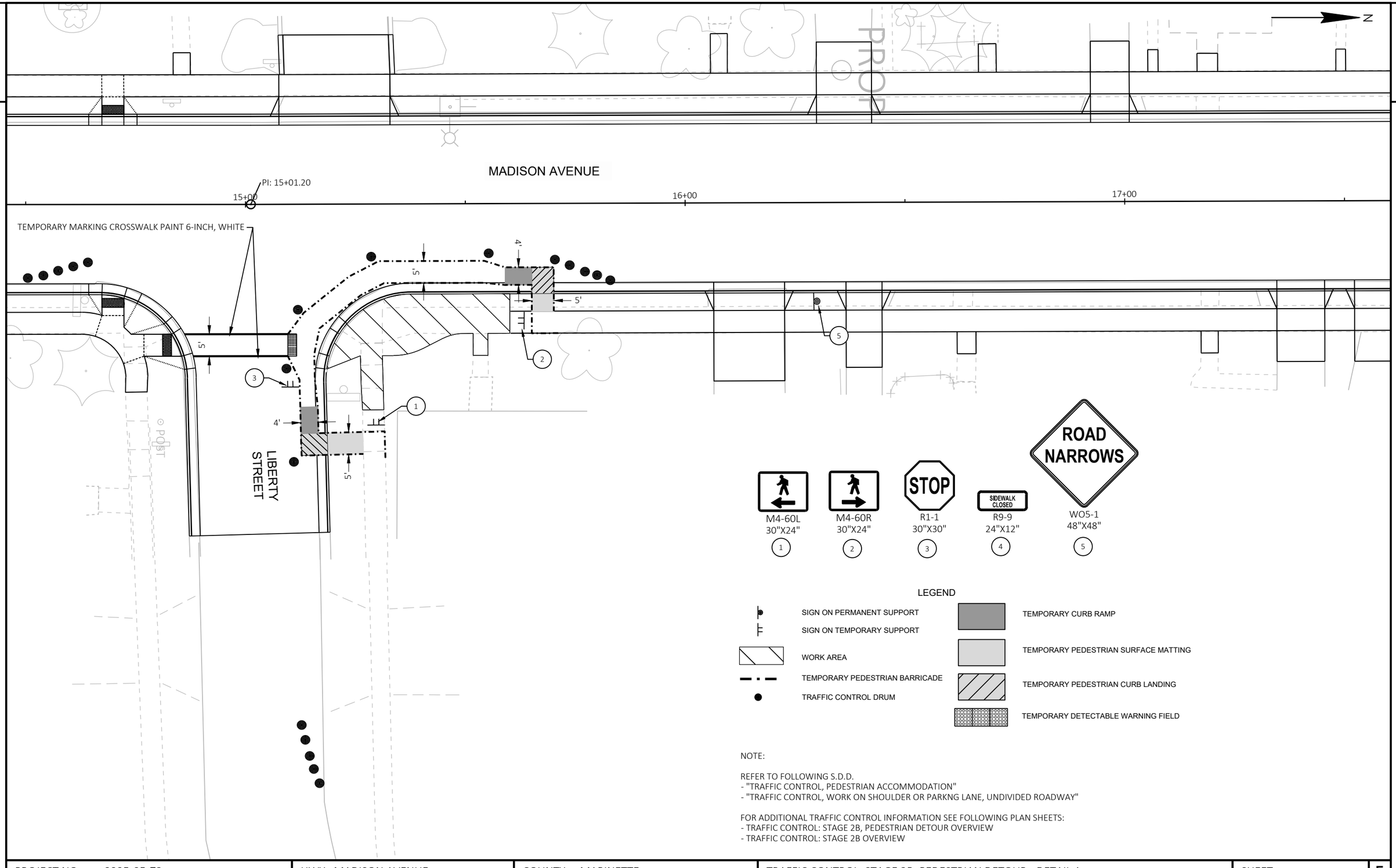
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR OVERVIEW	SHEET 83	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\026005_TC.DWG
LAYOUT NAME - 01

PLOT DATE : 2/19/2026 10:02 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

PROOF



LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

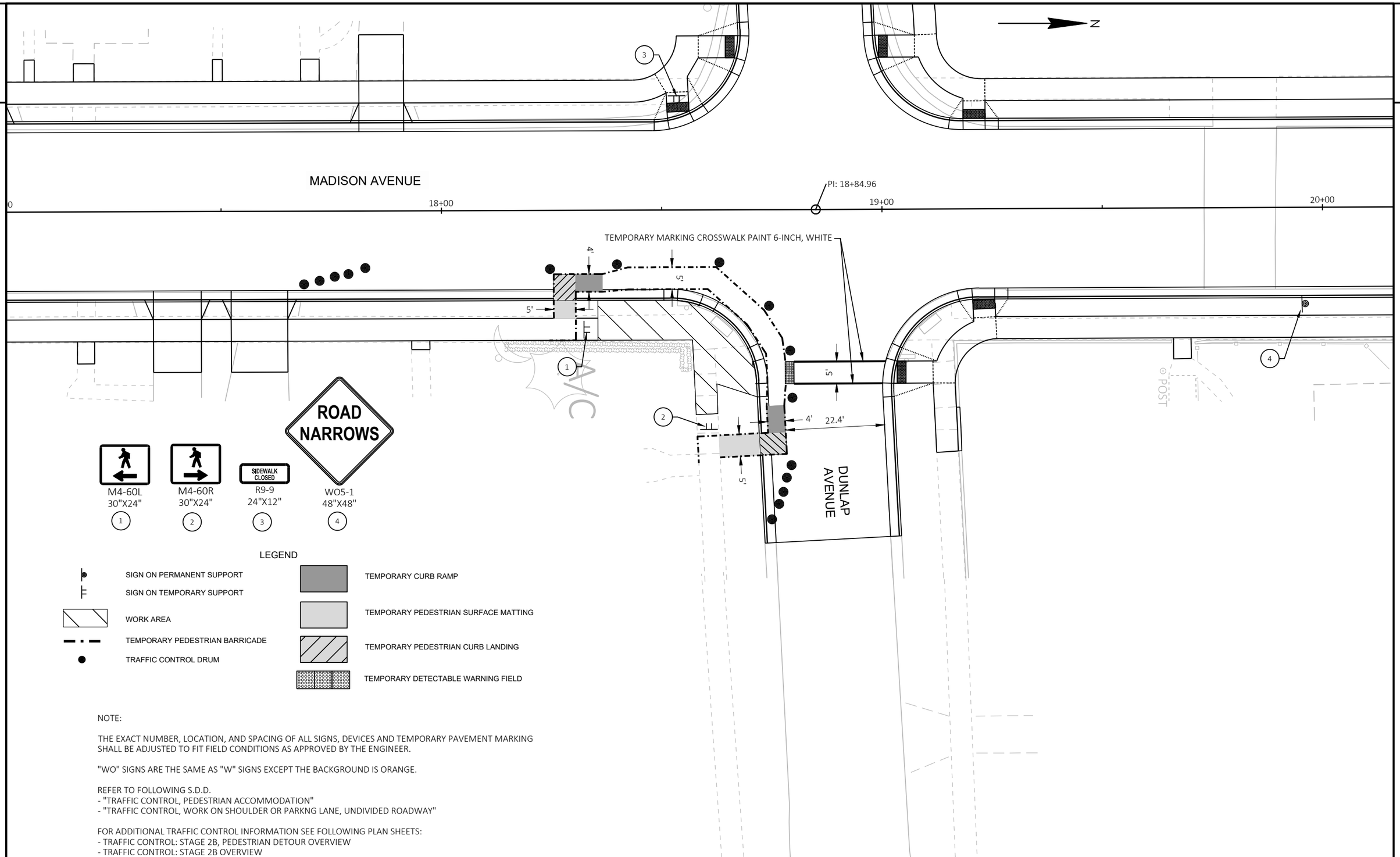
NOTE:

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKNG LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2B OVERVIEW

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR - DETAIL A	SHEET 84	E

2



LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

NOTE:

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

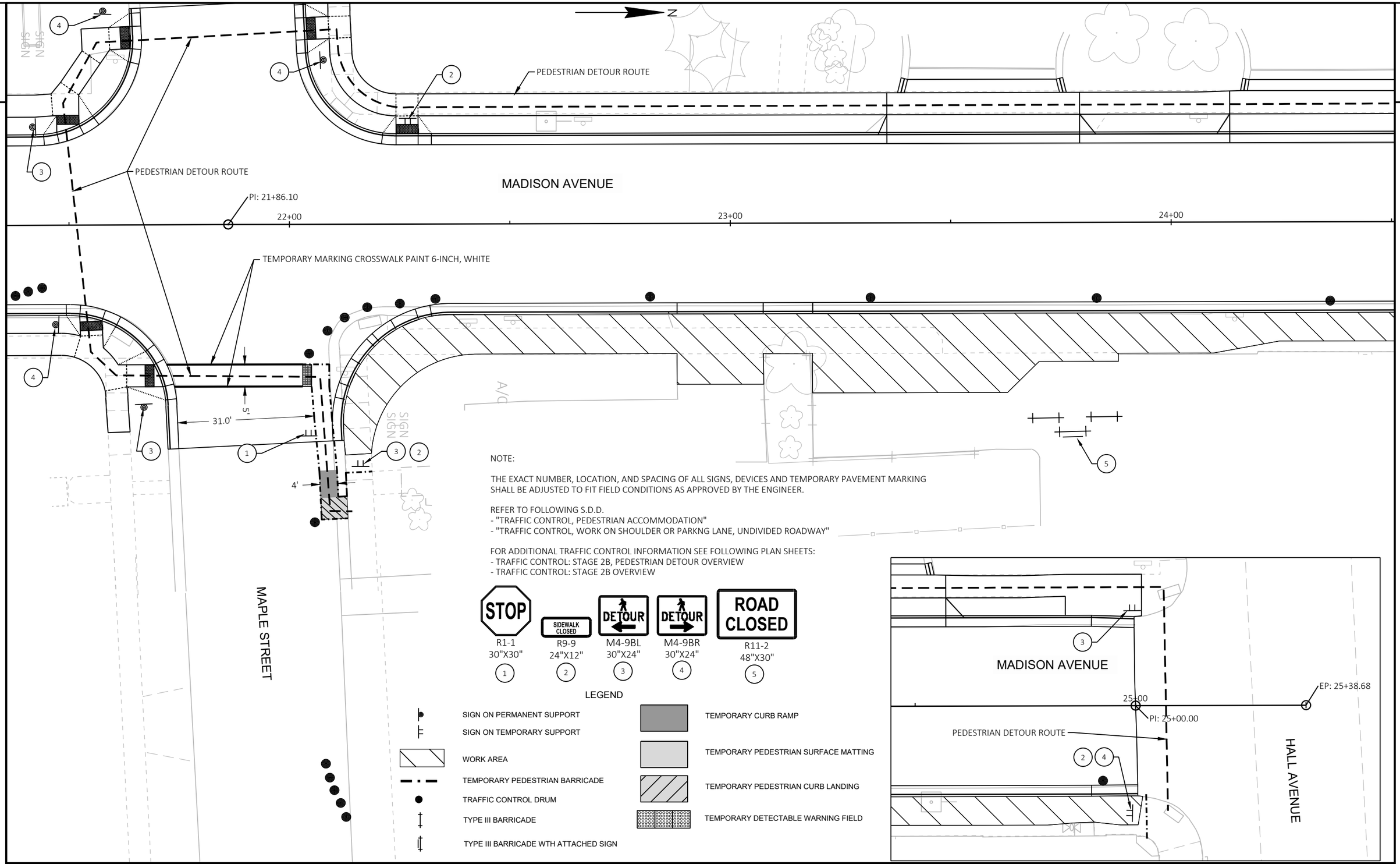
"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKNG LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2B OVERVIEW

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR - DETAIL B	SHEET 85	E

2



NOTE:

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

REFER TO FOLLOWING S.D.D.
- "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION"
- "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKNG LANE, UNDIVIDED ROADWAY"

FOR ADDITIONAL TRAFFIC CONTROL INFORMATION SEE FOLLOWING PLAN SHEETS:
- TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR OVERVIEW
- TRAFFIC CONTROL: STAGE 2B OVERVIEW

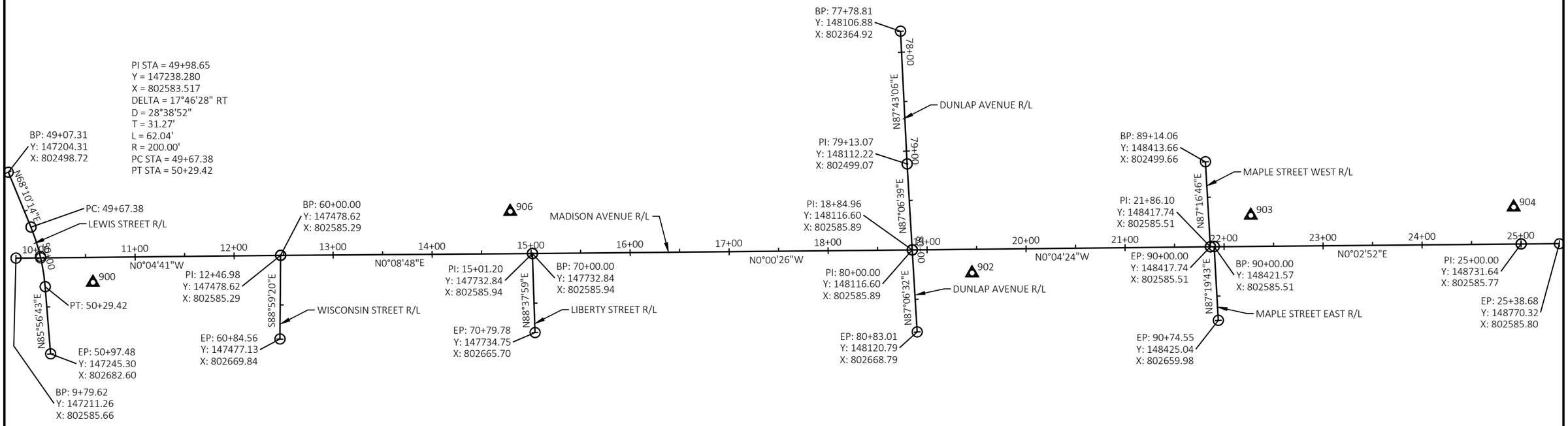
LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TYPE III BARRICADE WTH ATTACHED SIGN
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB LANDING
- TEMPORARY DETECTABLE WARNING FIELD

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	TRAFFIC CONTROL: STAGE 2B, PEDESTRIAN DETOUR - DETAIL C	SHEET 86	E

2

HORIZONTAL CONTROL POINTS			
POINT NAME	Y COORDS	X COORDS	DESCRIPTION
900	147288.758	802610.773	CP X
902	148176.835	802609.718	CP 1/2" RBR GRAEF CAP
903	148458.840	802554.325	CP 1/2" RBR GRAEF CAP
904	148724.457	802548.425	CP 1/2" RBR GRAEF CAP
906	147710.909	802543.225	CP 1/2" RBR GRAEF CAP



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	ALIGNMENT DIAGRAM	SHEET 87	E

Estimate Of Quantities

9995-05-73

Line	Item	Item Description	Unit	Total	Qty
0002	201.0220	Grubbing	ID	14.000	14.000
0004	203.0100	Removing Small Pipe Culverts	EACH	1.000	1.000
0006	204.0100	Removing Concrete Pavement	SY	538.000	538.000
0008	204.0130	Removing Curb	LF	128.000	128.000
0010	204.0150	Removing Curb & Gutter	LF	3,171.000	3,171.000
0012	204.0155	Removing Concrete Sidewalk	SY	1,535.000	1,535.000
0014	204.0170	Removing Fence	LF	87.000	87.000
0016	204.0185	Removing Masonry	CY	1.200	1.200
0018	204.0190	Removing Surface Drains	EACH	1.000	1.000
0020	204.0210	Removing Manholes	EACH	6.000	6.000
0022	204.0220	Removing Inlets	EACH	15.000	15.000
0024	204.0245	Removing Storm Sewer (size) 01. 8-Inch	LF	173.000	173.000
0026	204.0245	Removing Storm Sewer (size) 02. 12-Inch	LF	673.000	673.000
0028	204.0245	Removing Storm Sewer (size) 03. 15-Inch	LF	46.000	46.000
0030	204.0245	Removing Storm Sewer (size) 04. 18-Inch	LF	40.000	40.000
0032	205.0100	Excavation Common	CY	4,750.000	4,750.000
0034	213.0100	Finishing Roadway (project) 01. 9995-05-73	EACH	1.000	1.000
0036	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	6,200.000	6,200.000
0038	416.0610	Drilled Tie Bars	EACH	4.000	4.000
0040	455.0605	Tack Coat	GAL	554.000	554.000
0042	460.2000	Incentive Density HMA Pavement	DOL	1,320.000	1,320.000
0044	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,139.000	1,139.000
0046	460.5244	HMA Pavement 4 LT 58-34 S	TON	910.000	910.000
0048	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	29.000	29.000
0050	520.8000	Concrete Collars for Pipe	EACH	10.000	10.000
0052	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	12.000	12.000
0054	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	3,472.000	3,472.000
0056	601.0600	Concrete Curb Pedestrian	LF	10.000	10.000
0058	602.0405	Concrete Sidewalk 4-Inch	SF	13,807.000	13,807.000
0060	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	280.000	280.000
0062	602.0810	Concrete Driveway 6-Inch	SY	466.000	466.000
0064	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	289.000	289.000
0066	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	30.000	30.000
0068	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	401.000	401.000
0070	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	203.000	203.000
0072	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	381.000	381.000
0074	611.0420	Reconstructing Manholes	EACH	1.000	1.000
0076	611.0530	Manhole Covers Type J	EACH	11.000	11.000
0078	611.0535	Manhole Covers Type J-Special	EACH	5.000	5.000
0080	611.0603	Inlet Covers Type A-S	EACH	22.000	22.000
0082	611.0636	Inlet Covers Type HM-S	EACH	1.000	1.000
0084	611.1003	Catch Basins 3-FT Diameter	EACH	17.000	17.000
0086	611.1004	Catch Basins 4-FT Diameter	EACH	4.000	4.000
0088	611.1005	Catch Basins 5-FT Diameter	EACH	2.000	2.000
0090	611.2004	Manholes 4-FT Diameter	EACH	8.000	8.000
0092	611.2005	Manholes 5-FT Diameter	EACH	3.000	3.000
0094	611.8110	Adjusting Manhole Covers	EACH	2.000	2.000
0096	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0098	618.0100	Maintenance and Repair of Haul Roads (project) 01. 9995-05-73	EACH	1.000	1.000

Estimate Of Quantities

9995-05-73

Line	Item	Item Description	Unit	Total	Qty
0100	619.1000	Mobilization	EACH	1.000	1.000
0102	624.0100	Water	MGAL	59.000	59.000
0104	625.0100	Topsoil	SY	2,208.000	2,208.000
0106	628.1504	Silt Fence	LF	156.000	156.000
0108	628.1520	Silt Fence Maintenance	LF	156.000	156.000
0110	628.1905	Mobilizations Erosion Control	EACH	16.000	16.000
0112	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0114	628.7005	Inlet Protection Type A	EACH	22.000	22.000
0116	628.7010	Inlet Protection Type B	EACH	1.000	1.000
0118	628.7015	Inlet Protection Type C	EACH	37.000	37.000
0120	630.0500	Seed Water	MGAL	48.000	48.000
0122	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	13.000	13.000
0124	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	1.000	1.000
0126	637.2210	Signs Type II Reflective H	SF	62.520	62.520
0128	637.2230	Signs Type II Reflective F	SF	34.070	34.070
0130	638.2602	Removing Signs Type II	EACH	15.000	15.000
0132	638.3000	Removing Small Sign Supports	EACH	12.000	12.000
0134	642.5201	Field Office Type C	EACH	1.000	1.000
0136	643.0300	Traffic Control Drums	DAY	11,091.000	11,091.000
0138	643.0420	Traffic Control Barricades Type III	DAY	6,304.000	6,304.000
0140	643.0705	Traffic Control Warning Lights Type A	DAY	7,678.000	7,678.000
0142	643.0715	Traffic Control Warning Lights Type C	DAY	1,440.000	1,440.000
0144	643.0900	Traffic Control Signs	DAY	5,803.000	5,803.000
0146	643.1050	Traffic Control Signs PCMS	DAY	28.000	28.000
0148	643.3165	Temporary Marking Line Paint 6-Inch	LF	3,410.000	3,410.000
0150	643.3305	Temporary Marking Crosswalk Paint 6-inch	LF	663.000	663.000
0152	643.3805	Temporary Marking Stop Line Paint 18-Inch	LF	44.000	44.000
0154	643.5000	Traffic Control	EACH	1.000	1.000
0156	644.1440	Temporary Pedestrian Surface Matting	SF	1,187.000	1,187.000
0158	644.1601	Temporary Pedestrian Curb Ramp	DAY	14.000	14.000
0160	644.1605	Temporary Pedestrian Detectable Warning Field	SF	160.000	160.000
0162	644.1810	Temporary Pedestrian Barricade	LF	6,041.000	6,041.000
0164	646.1020	Marking Line Epoxy 4-Inch	LF	170.000	170.000
0166	646.2020	Marking Line Epoxy 6-Inch	LF	4,468.000	4,468.000
0168	646.4020	Marking Line Epoxy 10-Inch	LF	75.000	75.000
0170	646.5020	Marking Arrow Epoxy	EACH	3.000	3.000
0172	646.5320	Marking Railroad Crossing Epoxy	EACH	1.000	1.000
0174	646.6120	Marking Stop Line Epoxy 18-Inch	LF	115.000	115.000
0176	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	882.000	882.000
0178	650.4000	Construction Staking Storm Sewer	EACH	34.000	34.000
0180	650.4500	Construction Staking Subgrade	LF	1,945.000	1,945.000
0182	650.5000	Construction Staking Base	LF	1,945.000	1,945.000
0184	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	3,494.000	3,494.000
0186	650.9000	Construction Staking Curb Ramps	EACH	28.000	28.000
0188	650.9500	Construction Staking Sidewalk (project) 01. 9995-05-73	EACH	1.000	1.000
0190	650.9911	Construction Staking Supplemental Control (project) 01. 9995-05-73	EACH	1.000	1.000
0192	650.9920	Construction Staking Slope Stakes	LF	1,966.000	1,966.000
0194	690.0150	Sawing Asphalt	LF	681.000	681.000
0196	690.0250	Sawing Concrete	LF	445.000	445.000

Estimate Of Quantities

9995-05-73

Line	Item	Item Description	Unit	Total	Qty
0198	999.1501.S	Crack and Damage Survey	EACH	2.000	2.000
0200	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0202	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
0204	SPV.0035	Special 01. Trench Undercut	CY	345.000	345.000
0206	SPV.0035	Special 02. Trench Undercut Backfill	CY	345.000	345.000
0208	SPV.0060	Special 01. Abandoning Water Main	EACH	45.000	45.000
0210	SPV.0060	Special 02. Abandoning Water Laterals	EACH	3.000	3.000
0212	SPV.0060	Special 03. Removing Water Valve Boxes	EACH	14.000	14.000
0214	SPV.0060	Special 04. Removing Hydrants	EACH	3.000	3.000
0216	SPV.0060	Special 05. Salvaging Hydrants	EACH	2.000	2.000
0218	SPV.0060	Special 06. 6-Inch Hydrant 7'-6" Bury	EACH	2.000	2.000
0220	SPV.0060	Special 07. 6-Inch Hydrant 8' Bury	EACH	1.000	1.000
0222	SPV.0060	Special 08. 6-Inch Hydrant 8'-6" Bury	EACH	2.000	2.000
0224	SPV.0060	Special 09. 6-Inch Hydrant 10' Bury	EACH	1.000	1.000
0226	SPV.0060	Special 10. Curb Stop and Box 1-Inch	EACH	15.000	15.000
0228	SPV.0060	Special 11. Curb Stop and Box 2-Inch	EACH	2.000	2.000
0230	SPV.0060	Special 12. Gate Valve and Box 6-Inch	EACH	6.000	6.000
0232	SPV.0060	Special 13. Gate Valve and Box 8-Inch	EACH	17.000	17.000
0234	SPV.0060	Special 14. Service Tap 1-Inch	EACH	16.000	16.000
0236	SPV.0060	Special 15. Service Tap 2-Inch	EACH	2.000	2.000
0238	SPV.0060	Special 16. Water Main Tie In 6-Inch	EACH	2.000	2.000
0240	SPV.0060	Special 17. Water Main Tie In 8-Inch	EACH	5.000	5.000
0242	SPV.0060	Special 18. Adjusting Sanitary Manhole Covers	EACH	4.000	4.000
0244	SPV.0060	Special 19. Abandoning Sanitary Sewer Laterals	EACH	6.000	6.000
0246	SPV.0060	Special 20. Removing Sanitary Manholes	EACH	3.000	3.000
0248	SPV.0060	Special 21. Sanitary Sewer Wye	EACH	9.000	9.000
0250	SPV.0060	Special 22. Mini Storm Sewer Wye 6"x4"	EACH	13.000	13.000
0252	SPV.0060	Special 23. Core and Seal 4-Inch	EACH	4.000	4.000
0254	SPV.0060	Special 24. Core and Seal 6-Inch	EACH	4.000	4.000
0256	SPV.0060	Special 25. Reconnecting Storm Sewer Lateral STA 23+37	EACH	1.000	1.000
0258	SPV.0060	Special 26. Adjusting Water Valve Boxes	EACH	1.000	1.000
0260	SPV.0090	Special 01. Water Main Class 52 Ductile Iron Pipe with Polywrap 6-Inch	LF	71.000	71.000
0262	SPV.0090	Special 02. Water Main Class 52 Ductile Iron Pipe with Polywrap 8-Inch	LF	1,615.000	1,615.000
0264	SPV.0090	Special 03. Water Lateral 1-Inch	LF	493.000	493.000
0266	SPV.0090	Special 04. Water Lateral 2-Inch	LF	83.000	83.000
0268	SPV.0090	Special 05. Removing Sanitary Sewer 8-Inch	LF	454.000	454.000
0270	SPV.0090	Special 06. Removing Sanitary Sewer 10-Inch	LF	141.000	141.000
0272	SPV.0090	Special 07. Sanitary Sewer PVC SDR-35 8-Inch	LF	20.000	20.000
0274	SPV.0090	Special 08. Sanitary Sewer PVC SDR-35 10-Inch	LF	579.000	579.000
0276	SPV.0090	Special 09. Sanitary Sewer Lateral PVC Schedule 40	LF	335.000	335.000
0278	SPV.0090	Special 10. Mini Storm Sewer Lateral 4-Inch	LF	132.000	132.000
0280	SPV.0090	Special 11. Mini Storm Sewer Trunk 6-Inch	LF	638.000	638.000
0282	SPV.0090	Special 12. Salvaging and Resetting Landscape Timbers	LF	44.000	44.000
0284	SPV.0090	Special 13. Concrete Curb Type D Special	LF	38.000	38.000
0286	SPV.0090	Special 14. Water Main Class 52 Ductile Iron Pipe 8-IN, Casing Pipe 16-IN, Jack and Bore	LF	55.000	55.000
0288	SPV.0165	Special 01. Resetting Existing Brick Pavers	SF	22.000	22.000
0290	SPV.0180	Special 01. Hydroseeding	SY	2,208.000	2,208.000
0292	SPV.0195	Special 01. Water Main Fittings	TON	1.010	1.010

9995-05-73

Line	Item	Item Description	Unit	Total	Qty
0294	SPV.0200	Special 01. Sanitary Sewer Manholes 4-FT Diameter	VF	33.300	33.300
0296	SPV.0200	Special 02. Sanitary Sewer Manholes 4-FT Diameter With Outside Drop	VF	8.600	8.600

CLEARING & GRUBBING

STATION	201.0220 GRUBBING ID
CATEGORY 0010	
MADISON AVE	
202 RT	14
TOTALS	14

REMOVING CURB

STATION TO STATION	204.0130 REMOVING CURB LF
CATEGORY 0010	
MADISON AVE	
1235 LT	9
120 LT	9
1509 LT	9
1533 LT	9
1930 19 RT	3
1971 2017 RT	4
DUNLAP AVE	
8047 8057 LT	10
TOTAL	128

REMOVING CURB & GUTTER

STATION TO STATION	204.0150 REMOVING CURB & GUTTER LF
CATEGORY 0010	
MADISON AVE	
1023 1082 RT	73
1034 108 LT	33
1083 1102 LT	20
1098 1198 RT	99
1109 1841 LT	732
1278 14 RT	188
1537 1847 RT	309
1928 2152 RT	224
1928 2144 LT	21
2222 2500 RT	279
2224 2500 RT	27
LEWIS ST	
5014 502 RT	11
WISCONSIN ST	
018 080 LT	8
020 080 RT	84
LIBERTY ST	
7017 7075 RT	8
7019 7075 LT	..
DUNLAP AVE	
7934 7983 LT	2
7937 7979 RT	5Ā
801 8075 RT	72
8020 8075 LT	72
MAPLE ST	
8950 8980 LT	43
8950 8984 RT	41
9017 9050 RT	42
9020 9050 LT	37
TOTAL	3171

REMOVING CONCRETE SIDEWALK

STATION TO STATION	204.0155 REMOVING CONCRETE SIDEWALK SY
CATEGORY 0010	
MADISON AVE	
1034 1090 RT	3Ā
1099 1227 RT	9
1192 123 LT	23
1259 1509 LT	149
1277 1349 RT	48
1374 1472 RT	5
1533 129 LT	4
1538 107 RT	47
142 192 LT	35
145 1735 RT	5
1701 1781 LT	59
1745 1754 RT	5
175 1857 RT	0
1791 1858 LT	42
1908 211 LT	233
191 2021 RT	59
2035 2158 RT	70
221 233 LT	66
2222 2284 RT	41
2379 2413 LT	19
2410 2502 RT	5
2457 2501 LT	33
LEWIS ST	
502 505 LT	18
5010 5035 RT	15
WISCONSIN ST	
021 053 LT	22
LIBERTY ST	
7020 7042 RT	14
7022 7047 LT	20
DUNLAP AVE	
8020 8045 RT	17
8023 8057 LT	19
MAPLE ST	
894 8979 LT	18
9021 904 RT	15
9022 9053 LT	24
TOTAL	1535

REMOVING CONCRETE PAVEMENT

STATION TO STATION	204.0100 REMOVING CONCRETE PAVEMENT SY	REMARKS
CATEGORY 0010		
MADISON AVE		
11 1194 LT	28	CONCRETE DRIVEWAY REMOVAL
1233 122 LT	25	CONCRETE DRIVEWAY REMOVAL
1348 1374 RT	24	CONCRETE DRIVEWAY REMOVAL
1507 1535 LT	25	CONCRETE DRIVEWAY REMOVAL
105 148 RT	9	CONCRETE DRIVEWAY REMOVAL
124 144 LT	1	CONCRETE DRIVEWAY REMOVAL
190 1705 LT	12	CONCRETE DRIVEWAY REMOVAL
1730 1747 RT	23	CONCRETE DRIVEWAY REMOVAL
1750 178 RT	24	CONCRETE DRIVEWAY REMOVAL
1779 1795 LT	13	CONCRETE DRIVEWAY REMOVAL
201 2037 RT	17	CONCRETE DRIVEWAY REMOVAL
2284 2411 RT	145	CONCRETE DRIVEWAY REMOVAL
2331 2383 LT	59	CONCRETE DRIVEWAY REMOVAL
2411 241 LT	58	CONCRETE DRIVEWAY REMOVAL
TOTAL	538	

REMOVING FENCE

STATION TO STATION	204.0170 REMOVING FENCE LF
CATEGORY 0010	
MADISON AVE	
1035 1050 RT	15
1971 2015 RT	50
LEWIS ST	
5034 505 LT	22
TOTAL	87

REMOVING MASONRY

STATION TO STATION	204.0185 REMOVING MASONRY CY
CATEGORY 0010	
MADISON AVE	
1917 1930 RT	0.Ā
DUNLAP AVE	
8032 8047 LT	0.Ā
TOTAL	1.2

REMOVING SURFACE DRAINS

STATION TO STATION	204.0190 REMOVING SURFACE DRAINS EACH
CATEGORY 0010	
MADISON AVE	
1102 1109 LT	1
TOTAL	1

REMOVING MANHOLES

STATION	204.0210 REMOVING MANHOLES EACH
CATEGORY 0010	
MADISON AVENUE	
18+2 8 LT	1
1+20 8 LT	1
21+5 5 LT	1
23+41 LT	1
23+52 1 LT	1
23+8 5 LT	1
TOTAL	.

REMOVING STORM SEWER

STATION TO STATION	204.0245.01 8-INCH LF	204.0245.02 12-INCH LF	204.0245.03 15-INCH LF	204.0245.04 18-INCH LF
CATEGORY 0010				
MADISON AVE.				
12+53 - 13+32 LT RT	-	7	-	40
14+8 - 15+18 LT RT	-	8Ā	-	-
18+04 - 1+20 LT RT	-	1ĀĀ	4Ā	-
21+0 - 22+24 LT RT	15Ā	-	-	-
21+5 - 23+41 LT	-	14Ā	-	-
23+3 - 23+3 LT RT	1Ā	4Ā	-	-
23+41 - 23+8 LT	-	45	-	-
23+8 RT	-	35	-	-
23+8 - 24+8 LT	-	112	-	-
TOTALS	13	3	4Ā	40

REMOVING INLETS

STATION	204.0220 REMOVING INLETS EACH
CATEGORY 0010	
MADISON AVE	
11+12 20 RT	1
15+04 20 LT	1
22+23 20 RT	1
22+24 20 LT	1
23+43 20 LT	1
23+3 20 RT	1
WISCONSIN ST	
0+38 15 LT	1
LIBERTY ST	
0+32 18 LT	1
0+38 1 RT	1
DUNLAP AVE	
+5 23 RT	1
+5 2 LT	1
80+41 15 RT	1
80+43 15 LT	1
MAPLE ST	
8+2 2 RT	1
0+30 21 RT	1
TOTAL	15

DIVISION	CATEGORY	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION CUT (1)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (2)	AVAILABLE MATERIAL (3)	UNEXPANDED FILL	EXPANDED FILL (4) FACTOR 1.25	MASS ORDINATE +/- (5)	WASTE	COMMENT
DIVISION 1											
	0010										
		10+22.0/25+00.00	MADISON AVE	4113	102	308	1Ā	20	30	30	
		0+40./0+80.00	WISCONSIN ST	83	1Ā	67	0	0	67	67	
		0+40.85/0+5.00	LIBERTY ST	0	14	5Ā	0	0	5Ā	5Ā	
		+25.81/+58.1	DUNLAP AVE (WEST)	81	14	67	0	0	67	67	
		80+41./80+5.00	DUNLAP AVE (EAST)	3	1Ā	4Ā	0	0	4Ā	4Ā	
CATEGORY 0010 TOTALS				4410	108	3324	1Ā	20	3304	3304	
	0020										
		+8.81/+25.81	DUNLAP AVE (WEST)	340	43	2ĀĀ	0	0	2ĀĀ	2ĀĀ	
CATEGORY 0020 TOTALS				340	43	2ĀĀ	0	0	2ĀĀ	2ĀĀ	
DIVISION 1 SUBTOTALS				450	112	321	1Ā	20	301	301	
GRAND TOTAL				450	112	321	1Ā	20	301	301	
TOTAL COMMON EXC				450							

NOTESĀ
(1) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(2) SALVAGED/UNUSABLE PAVEMENT MATERIAL
(3) AVAILABLE MATERIAL CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
(4) EXPANDED FILL FACTOR 1.25
(5) THE MASS ORDINATE + OR - TY CALCULATED FOR THE DIVISION. PLUS UANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
() FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

BASE AGGREGATE DENSE 1 1/4-INCH

STATION TO STATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON ROADWAY	TON SIDEWALK	TON DRIVEWAYS
CATEGORY 0010			
MADISON AVE			
2 - 108 LT RT	220	12	-
10 - 124 LT RT	48	15	32
124 - 1501 LT RT	...	65	14
1501 - 1885 LT RT	113	85	61
1885 - 210 LT RT	26	8	9
210 - 2500 LT RT	26	5Ā	108
WISCONSIN ST			
6023 - 6080 LT RT	145	-	-
LIBERTY ST			
023 - 05 LT RT	13Ā	-	-
DNLAP AVE			
26 - LT RT	133	-	-
8023 - 805 LT RT	134	-	-
MAPLE ST			
850 - 88 LT RT	2	-	-
023 - 050 LT RT	5	-	-
SBTOTALS	5245	314	224
CATEGORY 0010 SBTOTAL		583	
CATEGORY 0020			
DNLAP AVE			
- 26 LT RT	36	21	-
SBTOTALS	36	21	0
CATEGORY 0020 SBTOTAL		41Ā	
TOTAL		6200	

DRILLED TIE BARS

STATION	416.0610 DRILLED TIE BARS EACH
MADISON AVE	
1234 LT	1
1260 LT	1
1508 LT	1
1534 LT	1
TOTALS	4

HMA PAVEMENT

STATION TO STATION	460.5223 3 LT 58-28 S TON	460.5244 4 LT 58-34 S TON	465.0120 DRIVEWAYS AND FIELD ENTRANCES TON	455.0605 TACK COAT GAL
CATEGORY 0010				
MADISON AVE				
1023 - 1083 LT RT	44	35	-	22
1083 - 124 LT RT	3	4	9	45
124 - 1501 LT RT	146	11Ā	-	1
1501 - 1885 LT RT	221	1ĀĀ	7	10Ā
1885 - 210 LT RT	15	140	-	85
210 - 2500 LT RT	18	143	12	8Ā
WISCONSIN ST				
6000 - 6085 LT RT	2Ā	23	-	14
LIBERTY ST				
000 - 080 LT RT	28	22	-	14
DNLAP AVE				
26 - 8083 LT RT	54	43	-	26
MAPLE ST				
850 - 050 LT RT	44	35	-	21
NDISTRIBTED	51	40	1	25
CATEGORY 0010 SBTOTAL	1063	84Ā	2Ā	51Ā
CATEGORY 0020				
DNLAP AVE				
- 26 LT RT	2	58	-	35
NDISTRIBTED	4	3	-	2
CATEGORY 0020 SBTOTAL	6	61	0	3Ā
TOTAL	1140	13	2Ā	554

3

CONCRETE CURB & GUTTER

STATION TO STATION	601.0405 18-INCH TYPE A LF	601.0411 30-INCH TYPE D LF	601.0600 CURB PEDESTRIAN LF	650.5500* CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
CATEGORY 0010				
MADISON AVENUE				
10+23 - 10+83 LT & RT	-	96	-	96
10+83 - 12+47 LT & RT	-	266	-	266
12+47 - 15+01 LT & RT	-	439	-	439
15+01 - 18+85 LT & RT	-	661	-	661
18+85 - 21+90 LT & RT	-	453	-	453
21+90 - 25+00 LT & RT	12	540	-	552
LEWIS STREET				
50+14 - 50+26 RT	-	11	-	11
WISCONSIN STREET				
60+00 - 60+85 LT & RT	-	143	-	143
LIBERTY STREET	-	-	-	-
70+00 - 70+80 LT & RT	-	133	-	133
DUNLAP AVENUE	-	-	-	-
79+26 - 80+83 LT & RT	-	266	10	276
MAPLE STREET	-	-	-	-
89+50 - 90+50 LT & RT	-	170	-	170
CATEGORY 0010 SUBTOTAL	12	3,178	10	3,200
CATEGORY 0020				
DUNLAP AVENUE				
77+79 - 79+26 LT & RT	-	294	-	294
CATEGORY 0020 SUBTOTAL	0	294	0	294
TOTAL	12	3,472	10	3,494

*QUANTITIES LISTED ELSEWHERE

CURB RAMP DETECTABLE WARNING FIELD YELLOW

STATION TO STATION	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF
CATEGORY 0010	
MADISON AVENUE	
10+29 - 10+85 RT	20
11+11 - 12+47 LT & RT	20
12+47 - 15+01 LT & RT	60
15+01 - 18+85 LT & RT	50
18+85 - 21+90 LT & RT	80
21+90 - 25+00 LT & RT	40
LEWIS STREET	
50+17 - 50+25 RT	10
TOTALS	280

CONCRETE SIDEWALK

STATION TO STATION	602.0405 4-INCH SF
CATEGORY 0010	
MADISON AVE	
10+29 - 10+85 RT	366
11+11 - 12+47 LT & RT	841
12+47 - 15+01 LT & RT	2,625
15+01 - 18+85 LT & RT	3,439
18+85 - 21+90 LT & RT	3,151
21+90 - 25+00 LT & RT	2,391
LEWIS ST	
50+10 - 50+35 RT	130
CATEGORY 0010 SUBTOTAL	12,943
CATEGORY 0020	
DUNLAP AVE	
77+79 - 79+26 LT & RT	864
CATEGORY 0020 SUBTOTAL	864
TOTAL	13,807

CONCRETE DRIVEWAY

STATION TO STATION	602.0810 6-INCH SY
CATEGORY 0010	
MADISON AVE	
10+23 - 10+83 LT & RT	-
10+83 - 12+47 LT & RT	48
12+47 - 15+01 LT & RT	21
15+01 - 18+85 LT & RT	130
18+85 - 21+90 LT & RT	13
21+90 - 25+00 LT & RT	254
TOTALS	466

3

3

STORM SEWER PIPES

FROM	-	TO	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	INLET ELEVATION	DISCHARGE ELEVATION	SLOPE FT/FT
				LF	LF	LF	LF	LF	LF			
1.1	-	MH 1	LCL-MADISONAVE	-	28	-	-	-	-	590.90	590.63	0.0100
1.2	-	MH 1	LCL-MADISONAVE	-	28	-	-	-	-	591.06	590.78	0.0100
2.1	-	MH 2	LCL-MADISONAVE	-	21	-	-	-	-	588.56	588.35	0.0100
2.2	-	MH 2	LCL-MADISONAVE	-	8	-	-	-	-	588.43	588.35	0.0100
3.1	-	MH 3	LCL-MADISONAVE	-	11	-	-	-	-	590.67	590.55	0.0100
3.2	-	MH 3	LCL-MADISONAVE	-	28	-	-	-	-	590.83	590.55	0.0100
4.1	-	MH 4	LCL-MADISONAVE	-	-	-	-	13	-	591.91	591.78	0.0100
4.2	-	MH 4	LCL-MADISONAVE	-	-	-	-	-	50	591.34	590.84	0.0100
4.3	-	4.2	LCL-MADISONAVE	-	-	-	-	30	-	591.65	591.34	0.0100
5.1	-	MH 5	LCL-MADISONAVE	-	12	-	-	-	-	589.89	589.78	0.0100
5.2	-	MH 5	LCL-MADISONAVE	-	27	-	-	-	-	590.05	589.78	0.0100
6.1	-	MH 6	LCL-MADISONAVE	-	-	-	24	-	-	589.98	589.74	0.0100
6.2	-	6.1	LCL-MADISONAVE	-	35	-	-	-	-	590.32	589.98	0.0100
6.3	-	MH 6	LCL-MADISONAVE	-	-	-	-	-	60	591.16	590.55	0.0100
6.4	-	6.3	LCL-MADISONAVE	-	-	-	-	29	-	591.45	591.16	0.0100
9.1	-	MH 9	LCL-MADISONAVE	-	-	-	-	7	-	590.54	590.47	0.0100
9.2	-	MH 9	LCL-MADISONAVE	-	32	-	-	-	-	591.04	590.71	0.0100
10.1	-	MH 10	LCL-MADISONAVE	-	-	-	21	-	-	592.02	591.81	0.0100
10.2	-	10.1	LCL-MADISONAVE	-	-	-	-	42	-	592.44	592.02	0.0100
10.3	-	MH 10	LCL-MADISONAVE	-	-	-	-	-	56	592.37	591.81	0.0100
10.4	-	10.3	LCL-MADISONAVE	-	-	-	-	39	-	592.75	592.37	0.0100
11.1	-	MH 11	LCL-MADISONAVE	-	7	-	-	-	-	591.12	590.91	0.0300
11.2	-	MH 11	LCL-MADISONAVE	-	32	-	-	-	-	591.16	590.91	0.0075
EX. PIPE W.	-	MH 8	LCL-MADISONAVE	1	10	-	-	-	-	589.72	589.68	-
EX. PIPE E.	-	MH 12	LCL-MADISONAVE	1	-	-	-	43	-	592.20	591.26	-
EX. PIPE E.	-	MH 7	LCL-MADISONAVE	1	10	-	-	-	-	590.16	590.11	-
EX. PIPE W.	-	MH 2	LCL-MADISONAVE	1	-	-	10	-	-	588.25	588.24	-
EX. PIPE N.	-	MH 3	LCL-MADISONAVE	1	-	-	10	-	-	588.49	588.46	-
EX. PIPE N.	-	MH 5	LCL-MADISONAVE	1	-	10	-	-	-	589.54	589.52	-
MH 1	-	EX. MH	LCL-MADISONAVE	-	-	-	99	-	-	590.52	588.41	0.0215
MH 2	-	EX. PIPE E.	LCL-MADISONAVE	1	-	-	10	-	-	588.24	588.23	-
MH 3	-	EX. PIPE N.	LCL-MADISONAVE	1	-	-	10	-	-	588.46	588.44	-
MH 5	-	EX. PIPE S.	LCL-MADISONAVE	1	-	10	-	-	-	589.52	589.50	-
MH 6	-	EX. PIPE S.	LCL-MADISONAVE	1	-	10	-	-	-	589.64	589.62	-
MH 7	-	MH 6	LCL-MADISONAVE	-	-	-	17	-	-	589.67	589.64	0.0019
MH 8	-	MH 7	LCL-MADISONAVE	-	-	-	29	-	-	589.68	589.67	0.0004
MH 9	-	MH 8	LCL-MADISONAVE	-	-	-	59	-	-	590.37	589.78	0.0100
MH 10	-	MH 11	LCL-MADISONAVE	-	-	-	-	-	160	591.71	590.91	0.0050
MH 11	-	MH 12	LCL-MADISONAVE	-	-	-	-	-	55	590.81	590.54	0.0050
MH 12	-	EX. MH	LCL-MADISONAVE			-	112	-	-	590.44	589.88	0.0050
			TOTALS	10	289	30	401	203	381			

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	611.0603 INLET COVERS TYPE A-S EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.1003 CATCH BASINS 3-FT DIAMETER EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
1.1	11+30.00	19.50' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	596.04	588.90	6.06
1.2	11+55.00	19.50' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	596.11	589.06	5.97
2.1	12+31.64	43.99' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.74	586.56	8.10
2.2	12+60.82	43.95' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.73	586.43	8.22
3.1	13+21.69	19.50' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.71	588.67	5.96
3.2	13+20.47	19.50' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.71	588.83	5.80
4.1	15+09.14	19.50' LT	LCL-MADISONAVE	-		1	-	1	-	-	-	1	595.65	589.91	4.74
4.2	15+17.17	40.49' RT	LCL-MADISONAVE	-	1	-	-	1	-	-	-	1	595.30	589.34	4.87
4.3	14+87.24	39.46' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.29	589.65	4.56
5.1	18+13.87	19.50' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.55	587.89	6.58
5.2	18+13.87	19.50' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.55	588.05	6.42
6.1	18+65.65	29.73' LT	LCL-MADISONAVE	-	1	-	-	-	1	-	-	1	595.42	589.98	4.57
6.2	19+00.32	29.75' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.42	588.32	6.01
6.3	18+73.10	52.64' RT	LCL-MADISONAVE	-	1	-	-	1	-	-	-	1	595.05	589.16	4.81
6.4	19+02.10	53.32' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.06	589.45	4.53
9.1	19+78.94	19.50' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.57	588.54	5.95
9.2	19+80.00	19.50' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.57	589.04	5.45
10.1	21+62.78	32.02' LT	LCL-MADISONAVE	-	1	-	-	-	1	-	-	1	595.90	590.02	4.80
10.2	22+04.47	32.91' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.88	590.44	4.36
10.3	21+72.84	42.53' RT	LCL-MADISONAVE	-	1	-	-	1	-	-	-	1	595.96	590.37	4.51
10.4	22+11.43	41.01' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.96	590.75	4.13
11.1	23+31.29	19.50' LT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.67	589.12	5.47
11.2	23+31.29	19.50' RT	LCL-MADISONAVE	-	1	-	1	-	-	-	-	1	595.67	589.16	5.43
MH 1	11+55.00	8.00' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	596.31	590.53	4.55
MH 2	12+52.87	43.98' RT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	595.86	588.24	6.59
MH 3	13+21.68	8.10' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	595.91	588.47	6.41
MH 5	18+13.87	7.82' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	595.76	589.52	5.19
MH 6	18+75.32	7.79' LT	LCL-MADISONAVE	1	-	-	-	-	-	-	1	1	595.97	589.64	5.30
MH 7	18+91.23	13.14' LT	LCL-MADISONAVE	1	-	-	-	-	-	-	1	1	595.90	589.67	5.20
MH 8	19+19.73	12.72' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	595.91	589.68	5.20
MH 9	19+78.95	12.74' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	595.68	590.37	4.27
MH 10	21+71.66	13.02' LT	LCL-MADISONAVE	1	-	-	-	-	-	-	1	1	596.44	591.71	3.69
MH 11	23+31.29	12.73' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	595.78	590.81	3.93
MH 12	23+86.17	12.76' LT	LCL-MADISONAVE	1	-	-	-	-	-	1	-	1	596.13	590.44	4.66
			TOTALS	11	22	1	17	4	2	8	3	34			

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE
**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION
***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE SUMP. FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE
****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

RECONSTRUCTING AND ADJUSTING STORM SEWER

	STATION	611.0420 RECONSTRUCTING MANHOLES EACH	611.8110 ADJUSTING MANOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
CATEGORY 0010				
MADISON AVENUE				
	12+53, 8' LT	-	1	-
	15+03, 8' LT	1	-	-
	24+96, 18' LT	-	-	1
	24+97, 19' RT	-	-	1
	24+98, 8' LT	-	1	-
	TOTALS	1	2	2

3

EROSION CONTROL MOBILIZATIONS

STATION TO STATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
MADISON AVENE		
99950570	15	3
NDISTRIBTED	1	1
TOTALS	16	4

SEEDING

STATION TO STATION	SPV.0180.01 HYDROSEEDING SY	630.0500 SEED WATER MGAL
CATEGORY 0010		
MADISON AVENE		
982 1095 RT	53	1
1033 1069 LT	19	0
1100 1247 RT	115	3
1079 1247 LT	65	1
1247 1501 RT	159	4
1247 1501 LT	191	4
1501 1885 RT	239	5
1501 1885 LT	220	5
1885 2190 RT	259	6
1885 2186 LT	217	5
2190 2288 RT	47	1
2186 2501 LT	116	3
NDISTRIBTED	425	10
CATEGORY 0010 SBTOTALS	2126	48
CATEGORY 0020		
DNLAP AVENE		
7779 7926 LT RT	66	-
NDISTRIBTED	16	-
CATEGORY 0020 SBTOTALS	82	0
TOTALS	2208	48

SILT FENCE

STATION TO STATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
CATEGORY 0010		
MADISON AVENE		
1025 1095 RT	28	28
1033 1069 LT	35	35
1079 1139 LT	62	62
NDISTRIBTED	31	31
TOTALS	156	156

INLET PROTECTION

STATION TO STATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH
CATEGORY 0010			
MADISON AVENE			
1112 RT	.	-	1
1130 LT	1	-	1
1155 RT	1	-	1
1321 LT RT	2	-	2
1503 LT	-	-	1
1509 LT	1	-	1
1814 LT RT	2	-	2
1909 LT	-	-	1
1979 LT RT	2	-	2
2158 LT	-	-	1
2224 LT RT	-	-	2
2331 LT RT	2	-	2
2343 LT	-	-	1
2363 RT	-	-	1
2382 RT	-	1	-
2496 LT RT	-	-	2
WISCONSIN STREET			
6037 LT	-	-	1
6043 LT RT	2	-	2
LIBERTY STREET			
7032 LT	-	-	1
7040 LT RT	2	-	2
DNLAP AVENE			
7966 RT	-	-	1
7969 LT RT	2	-	2
8043 LT RT	-	-	2
8053 LT RT	2	-	2
MAPLE STREET			
8967 LT RT	2	-	2
9030 RT	-	-	1
9041 LT RT	2	-	2
TOTALS	22	1	37

TOPSOIL

STATION TO STATION	625.0100 TOPSOIL SY
CATEGORY 0010	
MADISON AVENE	
982 1095 RT	53
1033 1069 LT	19
1100 1247 RT	115
1079 1247 LT	65
1247 1501 RT	159
1247 1501 LT	191
1501 1885 RT	239
1501 1885 LT	220
1885 2190 RT	259
1885 2186 LT	217
2190 2288 RT	47
2186 2501 LT	116
NDISTRIBTED	425
CATEGORY 0010 SBTOTALS	2126
CATEGORY 0020	
DNLAP AVENE	
7779 7926 LT RT	66
NDISTRIBTED	16
CATEGORY 0020 SBTOTALS	82
TOTALS	2208

WATER

STATION TO STATION	624.0100 WATER MGAL
CATEGORY 0010	
MADISON AVENE	
982 1087 LT RT	2
1079 1247 LT RT	5
1247 1501 LT RT	9
1501 1885 LT RT	13
1885 2190 LT RT	10
2190 2500 LT RT	11
WISCONSIN STREET	
6023 6080 LT RT	1
LIBERTY STREET	
7023 7075 LT RT	1
DNLAP AVENE	
7926 7977 LT RT	1
8023 8075 LT RT	1
MAPLE STREET	
8950 8978 LT RT	1
9023 9050 LT RT	1
CATEGORY 0010 SBTOTALS	55
CATEGORY 0020	
DNLAP AVENE	
7779 7926 LT RT	4
CATEGORY 0020 SBTOTALS	4
TOTALS	59

PERMANENT SIGNING

STATION	LOCATION	SIGN NO.	SIGN CODE	SIZE IN	SIZE X	SIZE IN	HEIGHT FT	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	POST HEIGHT LF	634.0614 POSTS WOOD 4x6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH X 16-FT EACH	REMARKS
CATEGORY 0010															
MADISON AVENUE															
10+31	LT	1	R1-2	36	X	31	2.6	1	1	-	-	-	-	-	
10+87	LT	2A	R15-1	48	X	48	3.6	-	-	-	-	-	-	-	SIGN AND POST REMOVED BY OTHERS
		2B	R1-2	36	X	36	3	1	-	-	-	-	-	-	
		2C	I-13	12	X	9	0.75	-	-	-	-	-	-	-	EMERGENCY NOTIFICATION SIGN, REMOVED BY OTHERS
10+98	LT	3	W8-1	30	X	30	2.5	1	-	-	-	-	-	-	SIGN ATTACHED TO POWER POLE
10+27	RT	4	EX. SIGN					-	-	-	-	-	-	-	LEWIS ST/MADISON AVE, STREET SIGN AND POST REMOVED BY OTHERS
10+81	RT	5A	R15-1	48	X	48	3.6	-	-	-	-	-	-	-	SIGN AND POST REMOVED BY OTHERS
		5B	R1-2	36	X	31	2.6	1	-	-	-	-	-	-	
		5C	I-13	12	X	9	0.75	-	-	-	-	-	-	-	EMERGENCY NOTIFICATION SIGN, REMOVED BY OTHERS
12+63	RT	6	R1-1	30	X	30	2.5	1	1	-	-	-	-	-	
13+02	LT	7	W10-1	36	X	36	3	1	1	-	-	-	-	-	
12+81	RT	8	EX. SIGN					-	-	-	-	-	-	-	WISCONSIN ST/MADISON AVE, STREET SIGN AND POST REMOVED BY OTHERS
12+96	RT	9	EX. SIGN					-	-	-	-	-	-	-	NEIGHBORHOOD WATCH, SIGN AND POST REMOVED BY OTHERS
14+63	RT	10	EX. SIGN					-	-	-	-	-	-	-	LIBERTY ST/MADISON AVE, STREET SIGN AND POST REMOVED BY OTHERS
14+86	LT	11	EX. SIGN					-	-	-	-	-	-	-	NEIGHBORHOOD WATCH, SIGN AND POST REMOVED BY OTHERS
15+22	RT	12	R1-1	30	X	30	2.5	1	1	-	-	-	-	-	
18+55	RT	13	EX. SIGN					-	-	-	-	-	-	-	DUNLAP AVE/MADISON AVE, STREET SIGN AND POST REMOVED BY OTHERS
18+60	LT	14	R1-1	30	X	30	2.5	1	1	-	-	-	-	-	
19+06	RT	15	R1-1	30	X	30	2.5	1	1	-	-	-	-	-	
21+55	RT	16	EX. SIGN					-	-	-	-	-	-	-	MAPLE ST/MADISON AVE, STREET SIGN AND POST REMOVED BY OTHERS
21+61	LT	17	R1-1	30	X	30	2.5	1	1	-	-	-	-	-	
22+13	RT	18	R1-1	30	X	30	2.5	1	1	-	-	-	-	-	
22+41	RT	19	W3-3	36	X	36	4.2	1	1	-	-	-	-	-	
22+51	RT	20	EX. SIGN					1	1	-	-	-	-	-	
22+66	LT	21	EX. SIGN					-	-	-	-	-	-	-	15 MIN PARKING SIGN, SIGN AND POST REMOVED BY OTHERS
		22	EX. SIGN					-	-	-	-	-	-	-	POST OFFICE SIGN, ON SAME POST AS SIGN 21, SIGN REMOVED BY OTHERS
24+07	LT	23	R7-51	18	X	24	2	1	1	-	-	-	-	-	
24+14	RT	24	R3-8	36	X	30	3	1	1	-	-	-	-	-	
		25	W10-3	36	X	36	4.2	-	-	-	9	14	1	-	SEE PERMANENT SIGNING PLAN SHEET FOR LOCATION
		26	W10-3	36	X	36	4.2	-	-	-	9	14	1	-	SEE PERMANENT SIGNING PLAN SHEET FOR LOCATION
10+31	LT	27	R1-2	36	X	31	2.6	-	-	3.88	-	13.93	1	-	
10+64	RT	28A	R15-1	48	X	48	3.6	-	-	-	-	-	-	-	SIGN AND POST PLACED BY OTHERS
		28B	R1-2	36	X	31	2.6	-	-	3.88	-	-	-	-	SIGN PLACED ON SAME POST AS R15-1 CROSSBUCK SIGN
		28C	I-13	12	X	9	0.75	-	-	-	-	-	-	-	SIGN PLACED BY OTHERS
11+01	LT	29A	R15-1	48	X	48	3.6	-	-	-	-	-	-	-	SIGN AND POST PLACED BY OTHERS
		29B	R1-1	30	X	30	2.5	-	-	5.18	-	-	-	-	SIGN PLACED ON SAME POST AS R15-1 CROSSBUCK SIGN
		29C	R8-8	24	X	30	2.5	-	-	5	-	-	-	-	SIGN PLACED ON SAME POST AS R15-1 CROSSBUCK SIGN
		29D	I-13	12	X	9	0.75	-	-	-	-	-	-	-	SIGN PLACED BY OTHERS
12+63	RT	30	R1-1	30	X	30	2.5	-	-	5.18	-	13.75	1	-	
12+71	LT	31	W10-1	36	X	36	3	-	-	-	7.07	14	1	-	SIGN AND POST LOCATION DETERMINED BY RAILROAD, PLACE AS SHOWN ON PLANS
15+22	RT	32	R1-1	30	X	30	2.5	-	-	5.18	-	13.75	1	-	
18+64	LT	33	R1-1	30	X	30	2.5	-	-	5.18	-	13.75	1	-	
19+06	RT	34	R1-1	30	X	30	2.5	-	-	5.18	-	13.75	1	-	
21+62	LT	35	R1-1	30	X	30	2.5	-	-	5.18	-	13.75	1	-	
22+14	RT	36	R1-1	30	X	30	2.5	-	-	5.18	-	13.75	1	-	
22+78	RT	37	W3-3	36	X	36	4.2	-	-	-	9	15.45	-	1	
23+28	LT	38	R7-51R	18	X	24	2	-	-	3	-	13.25	1	-	
24+19	RT	39	R3-8LR	36	X	30	2.5	-	-	7.5	-	13.75	1	-	POST NEEDS TO HAVE AN 18-INCH DIA. BOX OUT
22+51	RT	40	R7-53D	18	X	24	2	-	-	3	-	15.45	1	-	
						TOTALS		15	12	62.52	34.07		13	1	

3

TRAFFIC CONTROL

LOCATION	DURATION DAYS	643.0300* TRAFFIC CONTROL DRUMS EACH	643.0300* TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900* TRAFFIC CONTROL SIGNS EACH	643.0900* TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
CATEGORY 0010													
MADISON AVENUE													
STAGE 1 LEWIS ST. INTERSECTION	7	-	-	13	91	18	126	-	-	7	49		
STAGE 1	90	99	8,910	60	5,400	72	6,480	16	1,440	44	3,960	2	28
STAGE 2A	36	51	1,836	22	792	29	1,044	-	-	42	1,512	-	-
STAGE 2B	7	34	238	3	21	4	28	-	-	20	140	-	-
TOTALS	140	184	10,984	98	6,304	123	7,678	16	1,440	113	5,661	2	28

*QUANTITIES LISTED ELSEWHERE

TEMPORARY MARKING LINE

LOCATION	643.3165 PAINT 6-INCH (WHITE) LF	643.3165 PAINT 6-INCH (YELLOW) LF	643.3805 STOP LINE PAINT 18-INCH LF
CATEGORY 0010			
MADISON AVENUE			
STAGE 1 MAPLE ST NORTH	300	444	22
STAGE 1 MAPLE ST SOUTH	284	494	22
STAGE 2A	-	1,888	-
STAGE 2B	-	-	-
SUBTOTALS	584	2,826	44
TOTALS	3,410		44

MARKING OTHER

STATION TO STATION	646.5020 ARROW EPOXY TYPE 2 EACH	646.5320 RAILROAD CROSSING EPOXY EACH	646.6120 STOP LINE EPOXY 18-INCH LF	646.7420 CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF
CATEGORY 0010				
MADISON AVENUE				
9+93 - 10+77	-	-	-	67
10+88 - 12+47	-	-	-	-
12+47 - 15+01	1	1	-	145
15+01 - 18+85	-	-	-	75
18+85 - 21+88	-	-	-	149
21+88 - 25+00	2	-	23	76
WISCONSIN STREET				
60+34 - 60+44	-	-	14	54
LIBERTY STREET				
70+28 - 70+39	-	-	15	59
DUNLAP AVENUE				
70+54 - 70+66	-	-	13	54
80+33 - 80+45	-	-	14	54
MAPLE STREET				
89+49 - 89+59	-	-	18	70
90+30 - 90+42	-	-	18	79
CATEGORY 0010 SUBTOTAL	3	1	115	882
CATEGORY 0020				
DUNLAP AVENUE				
77+79 - 79+26	-	-	-	-
CATEGORY 0020 SUBTOTAL	0	0	0	0
TOTALS	3	1	115	882

MARKING LINE

STATION TO STATION	646.1020 EPOXY 4-INCH (WHITE) LF	646.2020 EPOXY 6-INCH (WHITE) LF	646.2020 EPOXY 6-INCH (YELLOW) LF	646.4020 EPOXY 10-INCH (WHITE) LF
CATEGORY 0010				
MADISON AVENUE				
9+93 - 10+77	-	62	110	-
10+88 - 12+47	-	266	318	-
12+47 - 15+01	-	422	484	-
15+01 - 18+85	-	665	702	-
18+85 - 21+88	-	449	450	-
21+88 - 25+00	-	-	540	75
WISCONSIN STREET				
60+34 - 60+44	-	-	-	-
LIBERTY STREET				
70+28 - 70+39	-	-	-	-
DUNLAP AVENUE				
70+54 - 70+66	-	-	-	-
80+33 - 80+45	-	-	-	-
MAPLE STREET				
89+49 - 89+59	-	-	-	-
90+30 - 90+42	-	-	-	-
CATEGORY 0010 SUBTOTAL	0	1,864	2,604	75
CATEGORY 0020				
DUNLAP AVENUE				
77+79 - 79+26	170	-	-	-
CATEGORY 0020 SUBTOTAL	170	0	0	0
SUBTOTALS	170	1,864	2,604	75
TOTALS	170	4,468		75

TEMPORARY PEDESTRIAN FACILITIES

STAGE	DURATION DAYS	643.0300* TRAFFIC CONTROL DRUMS EACH	643.0300* TRAFFIC CONTROL DRUMS DAY	643.0900* TRAFFIC CONTROL SIGNS EACH	643.0900* TRAFFIC CONTROL SIGNS DAY	643.3305 TEMPORARY MARKING CROSSWALK PAINT 6-INCH (WHITE) LF	644.1440 SURFACE MATTING SF	644.1601 CURB RAMP EACH	644.1601 CURB RAMP DAY	644.1605 DETECTABLE WARNING FIELD SF	644.1810 PEDESTRIAN BARRICADE LF
CATEGORY 0010 MADISON AENUE											
STAGE 1											
MADISON AE. LEWIS ST.	1	-	-	3	3	-	-	-	-	-	8
LEWIS ST. OSEPHINE ST.	1	-	-	1	1	-	-	-	-	-	-
LEWIS ST. BLAINE ST.	1	-	-	.	2	-	-	-	-	-	-
LEWIS ST. SHIELDS ST.	1	-	-	3	3	-	-	-	-	-	-
LEWIS ST. OAK ST.	1	-	-	2	2	-	-	-	-	-	-
LEWIS ST. PIERCE AE.	1	-	-	2	2	-	-	-	-	-	-
STEPHENSON AE. DIISION ST.	1	-	-	4	4	-	-	-	-	-	-
STEPHENSON AE. WISCONSIN ST.	1	-	-	2	2	-	-	-	-	-	-
STEPHENSON AE. LIBERTY ST.	1	-	-	4	4	-	-	-	-	-	-
DUNLAP ST MAPLE ST. SOUTH	1	-	-	4	4	-	-	-	-	-	-
DUNLAP ST MAPLE ST. NORTH	1	-	-	4	4	-	-	-	-	-	-
99 - 14	1	-	-	-	-	-	-	-	-	-	4Ā
14 - 1501	1	-	-	8	8	-	160	-	-	-	510
1501 - 1884	1	9	9	16	16	60	154	2	2	0	648
1884 - 186	1	5	5	10	10	-	15	-	-	-	89
186 - 500	1	-	-	9	9	-	15	-	-	-	15Ā
MAPLE ST. SOUTH OF KWIK TRIP	1	-	-	1	1	-	-	-	-	-	1Ā
	STAGE 1 SUBTOTALS	14	14	5	5	60	614	2	2	0	1691
STAGE AÈ											
DUNLAP ST MAPLE ST NORTH	1	-	-	4	4	-	-	-	-	-	-
99 - 14	1	6	6	2	2	66	0	1	1	10	16Ā
14 - 1501	1	0	0	2	2	6	61	2	2	0	113
1501 - 1884	1	8	8	3	3	140	154	2	2	30	1301
1884 - 186	1	13	13	6	6	14	8Ā	2	2	50	60
186 - 500	1	-	-	11	11	-	15	-	-	-	406
MADISON AE. LEWIS ST.	1	-	-	4	4	-	-	-	-	-	58
MADISON AE. SHERMAN ST.	1	-	-	4	4	-	-	-	-	-	-
SHERMAN ST. OSEPHINE ST.	1	-	-	2	2	-	-	-	-	-	-
OSEPHINE ST. LEWIS ST.	1	-	-	5	5	-	-	-	-	-	-
BLAINE ST. LEWIS ST.	1	-	-	3	3	-	-	-	-	-	-
SHIELDS ST. LEWIS ST.	1	-	-	5	5	-	-	-	-	-	-
	STAGE A SUBTOTALS	6Ā	6Ā	51	51	456	44Ā	7	7	110	3815
STAGE B											
99 - 14	1	-	-		-	-	-	-	-	-	-
14 - 1501	1	-	-		-	46	-	-	-	-	-
1501 - 1884	1	0	0		4	41	16	4	4	0	440
1884 - 186	1	-	-		4	60	-	-	-	-	-
186 - 500	1	6	6		8	-	-	1	1	10	95
	STAGE B SUBTOTALS	6	6		16	14Ā	16	5	5	30	535
	TOTALS		10Ā		14Ā	663	118		14	160	6041

*QUANTITIES LISTED ELSEWHERE

3

SAWING

STATION TO STATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
CATEGORY 0010 MADISON AVENUE		
9+82 - 10+83 LT & RT	169	27
10+83 - 12+47 LT & RT	98	2
12+47 - 15+01 LT & RT	-	20
15+01 - 18+85 LT & RT	46	85
18+85 - 21+90 LT & RT	-	8
21+90 - 25+00 LT & RT	117	236
WISCONSIN ST	-	-
60+17 - 60+80 LT & RT	26	11
LIBERTY ST	-	-
70+00 - 70+75 LT & RT	27	15
DUNLAP AVE	-	-
79+34 - 80+75 LT & RT	26	15
MAPLE ST	-	-
89+50 - 90+50 LT & RT	70	26
CATEGORY 0010 SUBTOTAL	579	445
CATEGORY 0020 DUNLAP AVENUE		
77+79 - 79+26	102	-
CATEGORY 0020 SUBTOTAL	102	0
TOTALS	681	445

REMOVING WATER VALVE BOXES

STATION	SPV.0060.03 REMOVING WATER VALVE BOXES EACH
CATEGORY 0020 MADISON AVENUE	
10+15 RT	1
10+17 RT	1
10+46 RT	1
12+39 RT	1
14+90 RT	1
18+80 RT	1
19+18 RT	1
19+39 RT	1
19+83 RT	1
21+70 RT	1
21+78 RT	1
21+80 RT	1
22+27 RT	1
24+76 RT	1
TOTALS	14

CRACK AND DAMAGE SURVEY

LOCATION	999.1501.S CRACK AND DAMAGE SURVEY EACH
CATEGORY 0010 HALL AVENUE	
2029 HALL AVENUE	1
CATEGORY 0020 DUNLAP AVENUE	
1905 DUNLAP AVENUE	1
TOTALS	2

ABANDONING WATER MAIN AND LATERALS

STATION TO STATION	SPV.0060.01 ABANDONING WATER MAIN EACH	SPV.0060.02 ABANDONING WATER LATERALS EACH
CATEGORY 0020 MADISON AVENUE		
9+93 - 10+83	7	-
10+83 - 12+47	1	-
12+47 - 15+01	5	-
15+01 - 18+84	15	1
18+84 - 21+86	8	2
21+86 - 25+00	9	-
TOTALS	45	3

FIRE HYDRANTS

STATION	SPV.0060.06 6-INCH HYDRANT 7'-6" BURY EACH	SPV.0060.07 6-INCH HYDRANT 8'-0" BURY EACH	SPV.0060.08 6-INCH HYDRANT 8'-6" BURY EACH	SPV.0060.09 6-INCH HYDRANT 10'-0" BURY EACH
CATEGORY 0020 MADISON AVENUE				
10+50, 23.5' RT	-	1	-	-
13+00, 23.5' RT	-	-	-	1
15+38, 24.5' RT	-	-	1	-
19+31, 23.5' RT	-	-	1	-
22+37, 23.5' RT	1	-	-	-
24+78, 22' RT	1	-	-	-
TOTALS	2	1	2	1

CONSTRUCTION STAKING

ITEM	QUANTITY	UNIT	DESCRIPTION
CATEGORY 0010 MADISON AVENUE			
650.4500	1,798	LF	CONSTRUCTION STAKING SUBGRADE
650.5000	1,798	LF	CONSTRUCTION STAKING BASE
650.9000	28	EACH	CONSTRUCTION STAKING CURB RAMPS
650.9500	0.90	EACH	CONSTRUCTION STAKING SIDEWALK (PROJECT)
650.9911	1	EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT)
650.9920	1,819	LF	CONSTRUCTION STAKING SLOPE STAKES
CATEGORY 0020 DUNLAP AVENUE			
650.4500	147	LF	CONSTRUCTION STAKING SUBGRADE
650.5000	147	LF	CONSTRUCTION STAKING BASE
650.9500	0.10	EACH	CONSTRUCTION STAKING SIDEWALK (PROJECT)
650.9920	147	LF	CONSTRUCTION STAKING SLOPE STAKES

TRENCH UNDERCUT

STATION TO STATION	SPV.0035.01 TRENCH UNDERCUT CY	SPV.0035.02 TRENCH UNDERCUT BACKFILL CY
CATEGORY 0020 MADISON AVE		
UNDISTRIBUTED	345	345
TOTALS	345	345

REMOVING OR SALVAGING HYDRANTS

STATION	SPV.0060.04 REMOVING HYDRANTS EACH	SPV.0060.05 SALVAGING HYDRANTS EACH
CATEGORY 0020 MADISON AVENUE		
10+46 RT	1	-
15+33 RT	1	-
19+18 RT	-	1
22+27 RT	-	1
24+76 RT	1	-
TOTALS	3	2

3

3

3

WATER LATERAL SUMMARY

STATION	SPV.0060.10 CURB STOP AND BOX 1-INCH EACH	SPV.0060.11 CURB STOP AND BOX 2-INCH EACH	SPV.0060.14 SERVICE TAP 1-INCH EACH	SPV.0060.15 SERVICE TAP 2-INCH EACH	SPV.0090.03 WATER LATERAL 1-INCH LF	SPV.0090.04 WATER LATERAL 2-INCH LF
CATEGORY 0020						
MADISON AVENUE						
13+26, LT	1	-	1	-	41	-
13+93, RT	1	-	1	-	19	-
14+88, LT	-	1	-	1	-	42
15+94, LT	1	-	1	-	45	-
16+43, LT	1	-	1	-	45	-
16+77, RT	1	-	1	-	16	-
17+04, LT	-	-	1	-	45	-
17+07, RT	1	-	1	-	16	-
17+52, LT	1	-	1	-	45	-
17+89, RT	1	-	1	-	15	-
18+25, LT	1	-	1	-	45	-
18+57, LT	1	-	1	-	44	-
19+71, RT	1	-	1	-	19	-
19+84, LT	-	1	-	1	-	41
20+97, RT	1	-	1	-	19	-
22+79, RT	1	-	1	-	18	-
23+35, LT	1	-	1	-	42	-
24+60, RT	1	-	1	-	19	-
TOTALS	15	2	16	2	493	83

WATER VALVES

STATION	SPV.0060.12 GATE VALVE AND BOX 6-INCH EACH	SPV.0060.13 GATE VALVE AND BOX 8-INCH EACH
CATEGORY 0020		
MADISON AVENUE		
10+16, 10.5' RT	-	1
10+21, 15.5' RT	-	1
10+45, 13.5' RT	-	1
10+50, 16.5' RT	1	-
12+33, 13.5' RT	-	1
12+38, 18.5' RT	-	1
12+95, 11.5' RT	-	1
13+00, 16.5' RT	1	-
14+83, 11.5' RT	-	1
14+93, 28' RT	-	1
15+38, 14.5' RT	1	-
15+43, 11.5' RT	-	1
18+66, 14.5' RT	-	1
18+83, 26' RT	-	1
19+26, 11.5' RT	-	1
19+31, 16.5' RT	1	-
19+88, 11.5' RT	-	1
21+59, 11.5' RT	-	1
21+82, 29' RT	-	1
22+29, 11.5' RT	-	1
22+37, 16.5' RT	1	-
24+73, 11.5' RT	-	1
24+78, 16.5' RT	1	-
TOTALS	6	17

WATER MAIN TIE IN

STATION	SPV.0060.16 WATER MAIN TIE IN 6-INCH EACH	SPV.0060.17 WATER MAIN TIE IN 8-INCH EACH
CATEGORY 0020		
MADISON AVENUE		
9+97, 11.6' RT	-	1
10+18, 27.2' RT	1	-
12+39, 79.9' RT	1	-
14+90, 51.6' RT	-	1
18+81, 49.0' RT	-	1
21+79, 37.3' RT	-	1
25+04, 13.3' RT	-	1
TOTALS	2	5

ADJUSTING SANITARY MANHOLE COVERS

STATION	SPV.0060.18 ADJUSTING SANITARY MANHOLE COVERS EACH
CATEGORY 0020	
MADISON AVENUE	
10+01	1
12+44	1
15+00	1
18+83	1
TOTALS	4

ABANDONING SANITARY SEWER LATERALS

STATION	SPV.0060.19 ABANDONING SANITARY SEWER LATERALS EACH
CATEGORY 0020	
MADISON AVENUE	
18+94, RT	1
18+96, LT	1
19+39, LT	1
19+79, LT	1
19+90, LT	1
20+58, LT	1
TOTALS	6

REMOVING SANITARY MANHOLES

STATION	SPV.0060.20 REMOVING SANITARY MANHOLES EACH
CATEGORY 0020	
MADISON AVENUE	
20+24, 1' RT	1
21+76, 1' RT	1
23+78, 1' RT	1
TOTAL	3

RECONNECTING STORM SEWER LATERAL STA 23+37

STATION	SPV.0060.25 RECONNECTING STORM SEWER LATERAL STA 23+37 EACH
CATEGORY 0010	
MADISON AVENUE	
23+37, LT	1
TOTALS	1

ADJUSTING WATER VALVE BOXES

STATION	SPV.0060.26 ADJUSTING WATER VALVE BOXES EACH
CATEGORY 0020	
MADISON AVENUE	
25+04, RT	1
TOTALS	1

WATER MAIN DUCTILE IRON

STATION TO STATION	LOCATION	SPV.0090.01 WATER MAIN CLASS 52 DUCTILE IRON PIPE WITH POLYWRAP 6-INCH LF	SPV.0090.02 WATER MAIN CLASS 52 DUCTILE IRON PIPE WITH POLYWRAP 8-INCH LF	SPV.0090.14 WATER MAIN CLASS 52 DUCTILE IRON PIPE 8-IN, CASING PIPE 16-INCH, JACK AND BORE LF
CATEGORY 0020				
MADISON AVENUE				
9+97 - 12+38	MAINLINE	-	182	55
12+38 - 14+88	MAINLINE	-	251	-
14+88 - 18+80	MAINLINE	-	383	-
18+80 - 21+79	MAINLINE	-	262	-
21+79 - 25+04	MAINLINE	-	346	-
STA. 10+21	LEWIS ST. TIE IN	-	17	-
STA. 10+50	HYDRANT LEAD	10	-	-
STA. 12+38	WISCONSIN ST. TIE IN	-	67	-
STA. 13+00	HYDRANT LEAD	13	-	-
STA. 14+88	LIBERTY ST. TIE IN	-	41	-
STA. 15+38	HYDRANT LEAD	13	-	-
STA. 18+80	DUNLAP AVE. TIE IN	-	39	-
STA. 19+31	HYDRANT LEAD	12	-	-
STA. 21+79	MAPLE ST. TIE IN	-	27	-
STA. 22+37	HYDRANT LEAD	12	-	-
STA. 24+78	HYDRANT LEAD	11	-	-
TOTALS		71	1,615	55

3

REMOVING SANITARTY SEWER

STATION TO STATION	SPV.0090.05 REMOVING SANITARY SEWER 8-INCH LF	SPV.0090.06 REMOVING SANITARY SEWER 10-INCH LF
CATEGORY 0020		
MADISON AVENUE		
18+83 - 20+24	-	141
20+24 - 21+76	152	-
21+76 - 23+78	202	-
23+78 - 24+57	79	-
20+24, RT	6	-
21+76, LT	15	-
TOTALS	454	141

SANITARY SEWER SUMMARY

STATION TO STATION	SPV.0090.07 SANITARY SEWER PVC SDR 35 8-INCH LF	SPV.0090.08 SANITARY SEWER PVC SDR 35 10-INCH LF
CATEGORY 0020		
MADISON AVENUE		
18+83 - 20+24	-	141
20+24 - 21+76	-	152
21+76 - 23+78	-	202
23+78 - 24+57	-	79
18+83	-	5
20+24	10	-
21+76	10	-
TOTALS	20	579

SANITARY LATERAL SUMMARY

STATION	LOCATION	SPV.0090.09 SANITARY SEWER LATERAL PVC SCHEDULE 40 LF	SPV.0060.21 SANITARY SEWER WYE EACH
CATEGORY 0020			
MADISON AVENUE			
19+76	RT	34	1
20+24	LT	10	-
20+56	RT	34	1
20+91	RT	34	1
21+44	RT	34	1
21+65	RT	52	1
21+66	LT	45	1
22+45	LT	26	1
22+50	RT	34	1
24+52	RT	32	1
TOTALS		335	9

MINI STORM SEWER SUMMARY

STATION TO STATION	LOCATION	SPV.0090.10 MINI STORM SEWER LATERAL 4-INCH LF	SPV.0090.11 MINI STORM SEWER TRUNK 6-INCH LF	SPV.0060.22 MINI STORM SEWER WYE 6"X4" EACH	SPV.0060.23 CORE AND SEAL 4-INCH EACH	SPV.0060.24 CORE AND SEAL 6-INCH EACH
CATEGORY 0020						
MADISON AVENUE						
13+20 - 14+17	RT	-	97	-	-	-
13+20	RT	-	-	-	-	1
14+17	RT	9	-	1	-	-
14+71 - 14+86	RT	15	-	-	-	-
14+86	RT	-	-	-	1	-
15+18 - 15+33	RT	15	-	-	-	-
15+18	RT	-	-	-	1	-
16+18 - 18+14	LT	-	196	-	-	-
16+18	LT	9	-	1	-	-
16+73	LT	9	-	1	-	-
18+14	LT	-	-	-	-	1
16+75 - 18+14	RT	-	140	-	-	-
16+75	RT	9	-	1	-	-
17+15	RT	9	-	1	-	-
17+38	LT	9	-	1	-	-
17+76	LT	9	-	1	-	-
18+02	RT	9	-	1	-	-
18+14	RT	-	-	-	-	1
19+64 - 21+09	RT	-	145	-	-	-
19+64	RT	9	-	1	-	-
19+80	RT	4	-	2	2	-
21+09	RT	9	-	1	-	-
22+72 - 23+31	RT	-	60	-	-	-
22+72	RT	8	-	1	-	-
23+31	RT	-	-	-	-	1
TOTALS		132	638	13	4	4

3

SALVAGING AND RESETTING LANDSCAPE TIMBERS

STATION TO STATION	SPV.0090.12 SALVAGING AND RESETTING LANDSCAPE TIMBERS LF
CATEGORY 0010	
MADISON AVENUE	
23+07 - 23+18 RT	44
TOTALS	44

RESETTING EXISTING BRICK PAVERS

STATION TO STATION	SPV.0165.01 RESETTING EXISTING BRICK PAVERS SF
CATEGORY 0010	
MADISON AVENUE	
16+62 - 16+66 RT	22
TOTALS	22

CONCRETE CURB TYPE D SPECIAL

STATION	SPV.0090.13 CONCRETE CURB TYPE D SPECIAL LF	650.5500* CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
CATEGORY 0010		
MADISON AVENUE		
12+34 LT	10	10
12+60 LT	10	10
15+08 LT	9	9
15+34 LT	9	9
TOTALS	38	38

*QUANTITIES LISTED ELSEWHERE

WATER MAIN FITTINGS

STATION	8" X 8" TEE EACH	8" X 6" TEE EACH	8" X 6" REDUCER EACH	8" 22.5 DEG. BEND EACH	8" 45 DEG. BEND EACH
CATEGORY 0020					
MADISON AVENUE					
9+97, 11.5' RT	-	-	-	-	-
10+01, 10' RT	-	-	-	1	-
10+18, 23.0' RT	-	-	-	-	1
10+18, 27.0' RT	-	-	1	-	-
10+21, 20.0' RT	-	-	-	-	1
10+21, 10.5' RT	1	-	-	-	-
10+37, 10.5' RT	-	-	-	-	1
10+40, 13.5' RT	-	-	-	-	1
10+50, 13.5' RT	-	1	-	-	-
12+38, 13.5' RT	1	-	-	-	-
12+37, 73.4' RT	-	-	-	-	1
12+39, 74.8' RT	-	-	-	-	1
12+39, 79.9 RT	-	-	1	-	-
12+58, 13.5' RT	-	-	-	-	1
12+63, 11.5' RT	-	-	-	-	1
13+00, 11.5' RT	-	1	-	-	-
14+92, 11.5' RT	1	-	-	-	-
14+93, 44.5' RT	-	-	-	-	1
14+90, 46.5' RT	-	-	-	-	1
15+38, 11.5' RT	-	1	-	-	-
18+83, 11.5' RT	1	-	-	-	-
18+84, 41' RT	-	-	-	-	1
18+81, 44' RT	-	-	-	-	1
19+31, 11.5' RT	-	1	-	-	-
21+81, 11.5' RT	1	-	-	-	-
21+82, 29' RT	-	-	-	-	1
21+79, 32' RT	-	-	-	-	1
22+37, 11.5' RT	-	1	-	-	-
24+78, 11.5' RT	-	1	-	-	-
24+88, 11.5' RT	-	-	-	-	1
24+90, 13.5' RT	-	-	-	-	1
TOTALS	5	6	2	1	16
WEIGHT PER EACH (LBS)	85	80	40	59	59
TOTAL WEIGHT (LBS)	425	480	80	59	944

SPV.0195.01
WATER MAIN FITTINGS
TOTAL TONS = 1.02

SANITARY SEWER MANHOLES

STRUCTURE NUMBER	STATION	SPV.0200.01 SANITARY SEWER MANHOLES 4-FT DIAMETER VF	SPV.0200.02 SANITARY SEWER MANHOLES 4-FT DIAMETER WITH OUTSIDE DROP VF	611.0535 MANHOLE COVERS TYPE J - SPECIAL EACH	RIM ELEVATION	INVERT ELEVATION
CATEGORY 0020						
MADISON AVENUE						
20	18+83, 4.1' LT	8.9	-	1	596.07	586.39
21	20+24, 4.0' LT	-	8.6	1	596.07	586.78
22	21+76, 4.0' LT	8.7	-	1	596.61	587.21
23	23+78, 4.0' LT	7.7	-	1	596.21	587.77
24	24+57, 0.0' LT	8.0	-	1	596.71	588.00
	TOTALS	33.3	8.6	5		

MANHOLE COVERS ARE PAID SEPERATELY AND ARE NOT INCLUDED IN THE VERTICAL HEIGHT OF THE NEW MANHOLES.
MANHOLES WILL BE MEASURED BY THE VERTICAL FOOT FROM THE BOTTOM PIPE INVERT TO THE BOTTOM OF THE CASTING.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR TIE LINE
PROPERTY LINE — P.L.
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE — CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN — SIGN
OFF-PREMISE SIGN — #1-25 — SIGN

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE	■	□
TELEPHONE POLE	●	⌀
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)	⧓	⧒

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25 — UTILITY NUMBER 40
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
ELECTRIC TOWER	☒

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM		
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GRID NORTH	GN		
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ /DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), MARINETTE COUNTY, NAD 83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 1" X 24" IRON PIPES), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FILED/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

ALL RIGHT OF WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS, AND/OR EXISTING OCCUPATIONAL LINES.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE CITY OF MARINETTE.

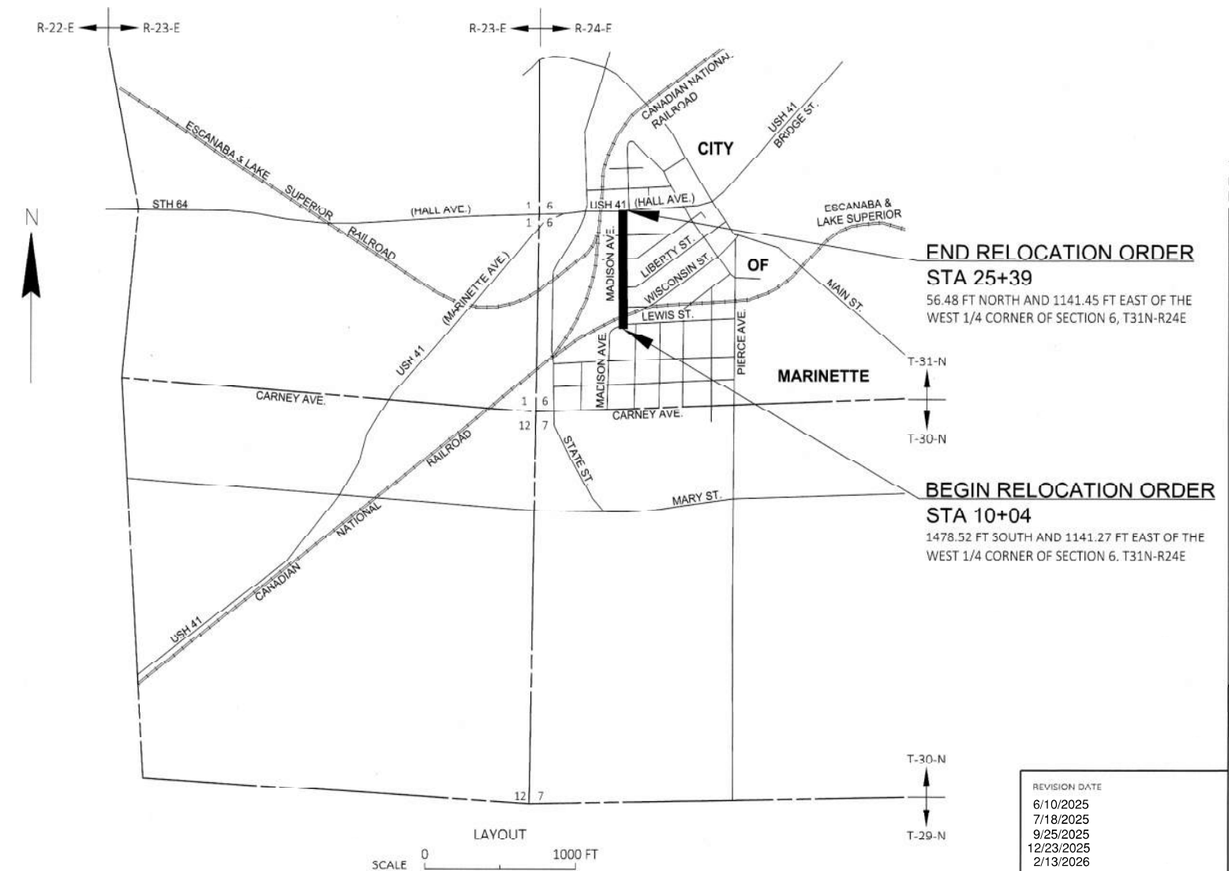
PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE DETAIL SHEETS.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.



TOTAL NET LENGTH OF CENTERLINE = 0.291 MI

R/W PROJECT NUMBER 9995-05-72	SHEET NUMBER	TOTAL SHEETS
CONSTRUCTION PROJECT NUMBER 9995-05-73	4.01	5

PLAT OF RIGHT OF WAY REQUIRED FOR

MADISON AVENUE
LEWIS STREET - HALL AVENUE (U.S.H. '41')

MADISON AVENUE	MARINETTE COUNTY

THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

ORIGINAL PLANS PREPARED BY

GRAEF

116 S ADAMS STREET, SUITE 201
GREEN BAY, WI 54301

WISCONSIN TROY M. COLLINS S-2995 GREEN BAY, WI LAND SURVEYOR

12/13/24 (Date) Troy M. Collins (Signature)

CITY OF MARINETTE

APPROVED FOR THE CITY OF MARINETTE

DATE: 12/16/24 (Signature)

(Printed Name)

REVISION DATE
6/10/2025
7/18/2025
9/25/2025
12/23/2025
2/13/2026

FILE NAME : X:\GB\2023\20230179\SURVEY\SHEETSPLAN\040101_RT.DWG
PLOT DATE : 12/13/2024 8:18 AM
PLOT BY : COLLINS, TROY
PLOT NAME :

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY OF MARINETTE.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (S.F.)			TLE S.F.	HE S.F.
				NEW	EXISTING	TOTAL		
1	4.03	ROCKET HOMES, LLC	FEE & TLE	74	0	74	60	0
2	4.03	SAULT SAINT MARIE BRIDGE COMPANY	HE & TLE	0	0	0	670	181
3	4.03	DOUGLAS E. WAGNER AND KAREN M. WAGNER	TLE	0	0	0	673	0
4	4.03, 4.04	MARINETTE APTS., LLC	TLE	0	0	0	3,876	0
5	4.03, 4.04	DOUGLAS KLEINKE AND BETH A. KLEINKE	FEE & TLE	31	0	31	947	0
6	4.04	DONELLE M. BEHLING TRUST, DATED SEPTEMBER 5, 2021	FEE & TLE	30	0	30	267	0
7	4.04	KRISSIA VANEGAS	FEE & TLE	61	0	61	406	0
8	4.04	SCOTT D. TEBO AND SUZANNE M. TEBO	TLE	0	0	0	550	0
9	4.04	KIM M. SEBERO	TLE	0	0	0	537	0
10	4.04	JAMES E. BAUER AND CHRISTY L. BAUER	TLE	0	0	0	342	0
11	4.04	WILLIAM L. URBANIAK AND HERTA M. URBANIAK TRUST, DATED NOVEMBER 18, 2002	TLE	0	0	0	706	0
12	4.04	KEVIN L. MINZLOFF AND STACIE A. MINZLOFF	TLE	0	0	0	459	0
13	4.04	MATTHEW VARNES AND ANGELICA VARNES	TLE	0	0	0	453	0
14	4.04	DOBBS, LLC	TLE	0	0	0	572	0
15	4.04	AMANDA M. JOHNSTON	FEE & TLE	36	0	36	713	0
16	4.04	CAROL J. CUBALCHINI REVOCABLE TRUST, DATED JUNE 9, 2016	FEE & TLE	39	0	39	385	0
17	4.04, 4.05	KWIK TRIP, LLC	FEE & TLE	183	0	183	3,854	0
18	4.04, 4.05	GT718, LLC	FEE & TLE	46	0	46	1,183	0
19	4.05	DEBORAH A. GILL AND LARRY A. GILL JR.	FEE & TLE	36	0	36	547	0
20	4.05	KUNESH INVESTMENT CORPORATION	FEE & TLE	166	0	166	1,298	0
21	4.03	PEGGY K. GORSKI LIVING TRUST AUGUST 14, 2018	FEE & TLE	43	0	43	182	0
22	4.03	BETTY J. GILBERT	FEE & TLE	82	0	82	110	0

UTILITY INTEREST TABLE

UTILITY NUMBER	PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	RECORDING INFORMATION
100	17	WISCONSIN PUBLIC SERVICE - ELECTRIC	RELEASE OF RIGHTS	DOC. #816089
101	4,16,17,19	BRIGHTSPEED	RELEASE OF RIGHTS	NO EASEMENT OF RECORD
102	4	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS	NO EASEMENT OF RECORD

4

SECTION LINE
1180.75'

S00°41'22"W
1406.04'
2644.81'

T30N R24E S12 S1 S7 S6

COMPUTED
POSITION PER SECTION SUMMARY FILE NO. 30-551
DATED 6/3/97, COUNTY SURVEYOR'S OFFICE
Y=146069.546
X=801412.528

5341
FOUND ALUMINUM
CAP IN CONCRETE
Y=148714.165
X=801444.354

T30N R24E S16 S1 S9 S8

PLAT OF SURVEY
DATED 12-15-95
S-1546
MAP NO. 068237

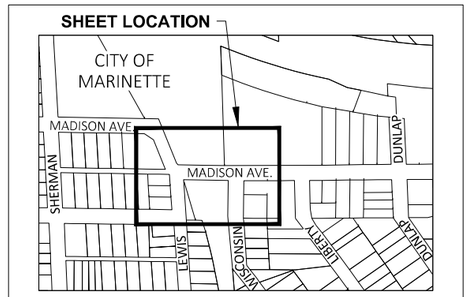
ALTA SURVEY
DATED 9-21-16
S-2692

PARCEL 1 R/W COURSE TABLE		
LINE	BEARING	DISTANCE
100-148	N73°27'42"E	14.32'
148-150	S63°39'36"E	10.44'
150-151	S86°25'40"W	23.13'
151-100	N00°00'03"E	2.00'

PARCEL 2 R/W COURSE TABLE		
LINE	BEARING	DISTANCE
103-104	S89°10'34"E	18.41'
104-105	S43°33'26"W	26.72'
105-103	N00°00'03"E	19.63'

R/W STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	10+36.32	30.28'
103	12+31.40	30.55'
104	12+31.11	48.96'
105	12+11.77	30.53'
106	12+71.52	30.51'
107	12+78.37	30.49'
108	12+72.17	37.22'
109	12+72.07	45.38'
110	12+71.34	45.37'
148	10+40.37	44.01'
149	10+47.05	30.57'
150	10+35.73	53.37'
151	10+34.32	30.28'
158	50+02.20	22.77'
159	50+26.46	24.57'
160	50+01.14	26.72'

SHEET LOCATION



BLOCK 10

CITY

PARCEL 21 R/W COURSE TABLE		
LINE	BEARING	DISTANCE
158-159	N86°25'40"E	21.45'
159-160	S75°54'34"W	22.16'
160-158	N01°07'22"E	4.06'

50'
49+07.31
N69°10'14"E = R/L
PL
MADISON AVE.
S89°16'48"E
1158.98'
2663.68'

BEGIN RELOCATION ORDER
STA 10+04
Y = 147235.643
X = 802585.622

PC: 49+67.38

UNPLATTED LANDS

GILBERT'S SECOND ADDITION

BLOCK 8

N. LUDINGTON CO'S THIRD ADDITION

11+20.63
34.60' LT
11+22.67
29.60' LT
11+60.73
43.54' LT
11+60.73
34.54' LT
12+88
43.53' LT
12+88
39.53' LT
TLE (2,426 SF)
5'
14'
10'

IP 229
IP 228
PL

PI: 10+04.62 / 50+00.00
Y: 147236.263
X: 802585.621

MADISON AVE.

29.60'
S89°55'19"W

PI: 12+46.98
Y: 147478.622
X: 802585.291

50+00.89
27.66' RT
S17°50'31"E
22.27'
N00°04'41"W = R/L
32.32'
11+00
86.35'
12+00
124.31'
13+00
31.38'
N00°08'48"E = R/L
14+00
60'

IP 243
IP 242
IP 231
PL

PI STA = 49+98.65
Y = 147238.280
X = 802583.517
DELTA = 17°46'28" RT
D = 28°38'52"
T = 31.27'
L = 62.04'
R = 200.00'
PC STA = 49+67.38
Y = 147226.651
X = 802554.486
PT STA = 50+29.42
Y = 147240.491
X = 802614.712
DB = N68°10'14"E
DA = N85°56'43"E

PT: 50+29.42
50+50.52
24.79' RT
50+50.07
29.79' RT
5'
PL

N88°12'09"E
SECTION LINE

LOT 4 | LOT 3 | LOT 2 | LOT 1

BLOCK 1

PLAT OF SURVEY
DATED 4-12-10
S-1546
MAP NO. 071579

GILBERT'S SECOND ADDITION

IP 251
IP 230

LEWIS ST.

N85°56'43"E = R/L
50+97.48

10+36.34
63.38' RT
10+48.94
38.02' RT
10+55.43
42.60' RT
N89°55'19"E
30.28'
N00°00'03"E
161.05'

100 151 148 150 149 161 162 22 1

IP 232
PL

UNPLATTED LANDS

LOT 13

PLAT OF SURVEY
DATED 2-13-12
S-1546
MAP NO. 072252

CHARLES E. SHIELDS' FIRST ADDITION
BLOCK 1

IP 248

SW-SW

OF

PARCEL 22 R/W COURSE TABLE		
LINE	BEARING	DISTANCE
100-161	N00°00'03"E	14.40'
161-162	N68°56'04"E	4.19'
162-149	S35°05'10"W	6.32'
149-148	S63°39'36"E	15.01'
148-100	S73°27'42"W	14.32'

FOUND MONUMENT TABLE			
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER			
POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
226	147500.93	802765.37	1" IRON PIPE
227	147502.28	802671.78	3/4" REBAR W/CAP
228	147426.69	802556.28	1" IRON PIPE
229	147354.47	802556.33	1/2" REBAR 1546 CAP
230	147223.39	802732.10	1" IRON PIPE
231	147204.78	802592.26	1" IRON PIPE OUTSIDE DIAMETER
232	147265.98	802615.50	SPIKE
242	147127.93	802590.63	1" IRON PIPE
243	147084.03	802589.73	1/2" REBAR LEANING NORTH
248	147275.36	802764.24	1/2" REBAR
251	147135.19	802730.71	1" IRON PIPE

BASIS OF EXISTING RIGHT-OF-WAY	
ROUTE	BASIS
MADISON AVE.	PLAT OF SURVEY 6-12-90 (S-1783)
LEWIS ST.	PLAT OF SURVEY 2-13-12 (S-1546)
WISCONSIN ST.	PLAT OF SURVEY 7-22-04 (S-1783) SAMSON'S FIRST ADDITION

T30N R24E S7 S6 S18 S19

5342
FOUND BRASS CAP
Y=146153.097
X=804074.898

12+00.23
30.51' RT
12+28.59
81.83' RT
12+30.59
81.86' RT
105 103 104 2

106 107 108 109 110 5

12+82.46
33.48' RT
TLE (840 SF)
3'
12+71.23
55.40' RT
12+72.23
55.41' RT
S89°51'12"E
30.49'

13+45
33.32' RT
13+72.31
35.25' RT
13+45
44.25' RT
13+72.31
44.25' RT
5'

WISCONSIN ST.
40'

LOT 4 | LOT 3 | LOT 2

IP 227
PL

PLAT OF SURVEY
DATED 7-22-04
S-1783
MAP NO. 068232

N. LUDINGTON CO'S THIRD ADDITION

BLOCK 7

MARINETTE

PARCEL 5 R/W COURSE TABLE		
LINE	BEARING	DISTANCE
106-107	N00°00'03"E	6.85'
107-108	S47°10'26"E	9.14'
108-109	S89°10'34"E	8.17'
109-110	S00°49'26"W	0.73'
110-106	N89°10'34"W	14.86'

SHEET 4.04

MATCHLINE STA. 14+00

REVISION DATE			
6/10/2025	12/23/2025 N.C.		
7/18/2025 N.C.	2/13/2026		
9/25/2025			

DATE 12/5/2024

GRID FACTOR N/A

SCALE, FEET
0 20 40

HWY: MADISON AVE.

COUNTY: MARINETTE

R/W PROJECT NUMBER 9995-05-72

CONSTRUCTION PROJECT NUMBER 9995-05-73

PLAT SHEET 4.03

PS&E SHEET 109

E

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 4.03

PLOT DATE : 2/17/2026 10:10 AM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

1639.77'

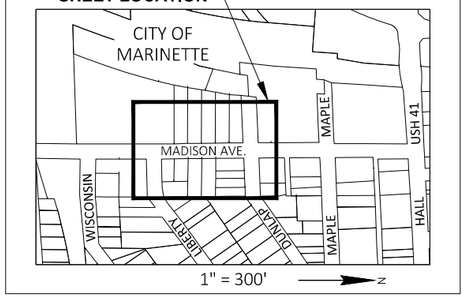
SECTION LINE S00°41'22"W 2644.81'

1005.04'

T 30 N R 24 E — 1 12 6 7

COMPUTED
POSITION PER SECTION SUMMARY FILE NO. 30-551
DATED 6/3/97, COUNTY SURVEYOR'S OFFICE
Y=146069.546
X=801412.528

SHEET LOCATION



FOUND MONUMENT TABLE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER

POINT	Y (NORTHING)	X (EASTING)	DESCRIPTION
216	148084.98	802555.87	1" IRON PIPE
218	147921.62	802555.80	1" IRON PIPE
219	147809.98	802555.38	1" IRON PIPE OUTSIDE DIAMETER
220	147763.20	802615.83	3/4" REBAR
221	147867.21	802615.67	3/4" REBAR RLS 1783 CAP
222	148088.01	802615.85	3/4" REBAR RLS 1783 CAP
223	147813.17	802615.86	3/4" REBAR RLS 1783 CAP
225	147703.28	802615.64	3/4" REBAR RLS 1783 CAP
236	148104.25	802344.41	1" IRON PIPE
237	148105.83	802374.42	MAG NAIL
238	148135.82	802376.58	1" IRON PIPE
239	147867.31	802555.87	RAILROAD SPIKE
240	147812.87	802555.97	1/2" REBAR RLS 15246 CAP

R/W STATION & OFFSET TABLE

POINT	STATION	OFFSET
111	14+71.72	30.00'
112	14+71.93	37.13'
113	14+63.39	30.02'
114	15+31.66	29.93'
115	15+49.51	29.93'
116	15+31.85	36.77'
117	18+56.38	29.98'
118	18+56.80	38.07'
119	18+47.41	29.98'
120	18+53.31	-30.02'
121	18+44.12	-30.03'
122	18+52.88	-38.52'
123	19+13.42	-29.98'
124	19+12.97	-39.03'
125	19+22.57	-29.97'
126	19+16.43	30.02'
127	19+25.66	30.03'
128	19+17.40	39.97'

BASIS OF EXISTING RIGHT-OF-WAY

ROUTE	BASIS
MADISON AVE.	PLAT OF SURVEY 6-12-90 (S-1783) PLAT OF SURVEY 8-9-17 (S-1546)
LIBERTY ST.	PLAT OF SURVEY 11-28-22 (S-1783)
DUNLAP AVE.	CSM #4536

CITY

4

SHEET 4.03

BLOCK 8

PLAT OF SURVEY
DATED 12-15-95
S-1546
MAP NO. 068237

ALTA SURVEY
DATED 9-21-16
S-2692

LOT 6

BLOCK 5

LOT 5

N. LUDINGTON CO'S THIRD ADDITION

LOT 4

PLAT OF SURVEY
DATED 6-12-90
S-1783
MAP NO. 068213

LOT 3

NW-SW

LOT 2

LOT 1

BLDG.

DUNLAP AVE.

SLOPE INTERCEPT

5341
FOUND ALUMINUM CAP IN CONCRETE
Y=148714.165
X=801444.354

T 30 N R 24 E — 1 12 6 7

4

SHEET 4.05

1183.69'
1153.67'

TLE (1,450 SF)

14+07.90 39.84' LT
14+07.91 34.84' LT
14+57.90 39.96' LT
14+57.91 34.96' LT
15+03 43.07' LT
15+03 40.07' LT
15+38 43.07' LT
15+38 35.07' LT
16+01 43.06' LT
16+01 35.06' LT
17+45 37.04' LT
17+03 43.05' LT
17+03 37.05' LT
17+76 43.03' LT
17+76 39.50' LT
17+45 39.50' LT
17+96 43.03' LT
17+96 35.03' LT
18+34.91 35.03' LT
18+52.20 51.79' LT
19+03.45 229.41' LT
19+08.47 229.04' LT
19+18.18 34.98' LT

FEE (41 SF)

TLE (1,364 SF)

TLE (1,027 SF)

MADISON AVE.

N00°08'48"E = R/L
N00°00'26"W = R/L
N00°04'24"W = R/L

14+00 — 37.53' — 15+00 — 48.31' — 16+00 — 342.92' — 17+00 — 297.89' — 18+00 — 37.61' — 19+00 — 40.70' — 20+00

PI: 15+01.21
Y: 147732.845
X: 802585.942

PI: 18+84.97
Y: 148116.605
X: 802585.893

S89°18'38"E 30.02'
N89°59'34"E 29.93'
S89°59'34"W 30.03'
N89°59'34"E 29.98'
S89°55'36"W 30.03'
S89°55'36"W 29.97'

MATCHLINE STA. 14+00

MATCHLINE STA. 20+00

TLE (107 SF)

14+61.59 35.03' RT
14+72.14 43.80' RT
15+32.10 45.92' RT
15+47 38.93' RT
15+47 45.93' RT
15+60 34.93' RT
15+60 38.93' RT
16+01 34.94' RT
16+01 42.94' RT
16+31 42.94' RT 40.50' RT
16+47 34.95' RT 40.50' RT
17+12 34.96' RT 38.96' RT
17+34 38.96' RT 41.96' RT
17+70 41.96' RT 33.96' RT
18+46.62 33.97' RT
18+52.44 50.70' RT
18+57.43 50.44' RT
19+26.05 59.56' RT
19+17.92 59.96' RT
19+40 39.05' RT

LOT 1
LOT 2
LOT 3
LOT 4
LOT 5
LOT 6

LOT 1
CSM #4536
DOC. #873790

PLAT OF SURVEY
DATED 11-28-22
S-1783
MAP NO. 076342

BLOCK 7

LIBERTY ST.

BLOCK 6

N. LUDINGTON CO'S THIRD ADDITION

MARINETTE

BLOCK 3

DUNLAP AVE.

PARCEL 16 R/W COURSE TABLE

LINE	BEARING	DISTANCE
120-121	S00°00'03"W	9.19'
121-122	N44°07'43"W	12.20'
122-120	N87°03'44"E	8.50'

PARCEL 17 R/W COURSE TABLE

LINE	BEARING	DISTANCE
123-124	S87°03'44"W	9.06'
124-125	N43°15'47"E	13.20'
125-123	S00°00'03"W	9.15'

PARCEL 6 R/W COURSE TABLE

LINE	BEARING	DISTANCE
111-112	N88°24'55"E	7.13'
112-113	S39°53'19"W	11.11'
113-111	N00°00'03"E	8.33'

PARCEL 7 R/W COURSE TABLE

LINE	BEARING	DISTANCE
114-115	N00°00'03"E	17.85'
115-116	S21°10'31"E	18.94'
116-114	S88°24'55"W	6.84'

PARCEL 15 R/W COURSE TABLE

LINE	BEARING	DISTANCE
117-118	N87°03'44"E	8.10'
118-119	S40°44'08"W	12.39'
119-117	N00°00'03"E	8.98'

PARCEL 18 R/W COURSE TABLE

LINE	BEARING	DISTANCE
126-127	N00°00'03"E	9.24'
127-128	S48°44'11"E	13.23'
128-126	S87°03'44"W	9.96'

REVISION DATE			
6/10/2025	12/23/2025		
7/18/2025 N.C.	2/13/2026		
9/25/2025 N.C.			

DATE 12/5/2024

GRID FACTOR N/A

SCALE, FEET 0 20 40

HWY: MADISON AVE.

COUNTY: MARINETTE

R/W PROJECT NUMBER 9995-05-72

CONSTRUCTION PROJECT NUMBER 9995-05-73

PLAT SHEET 4.04

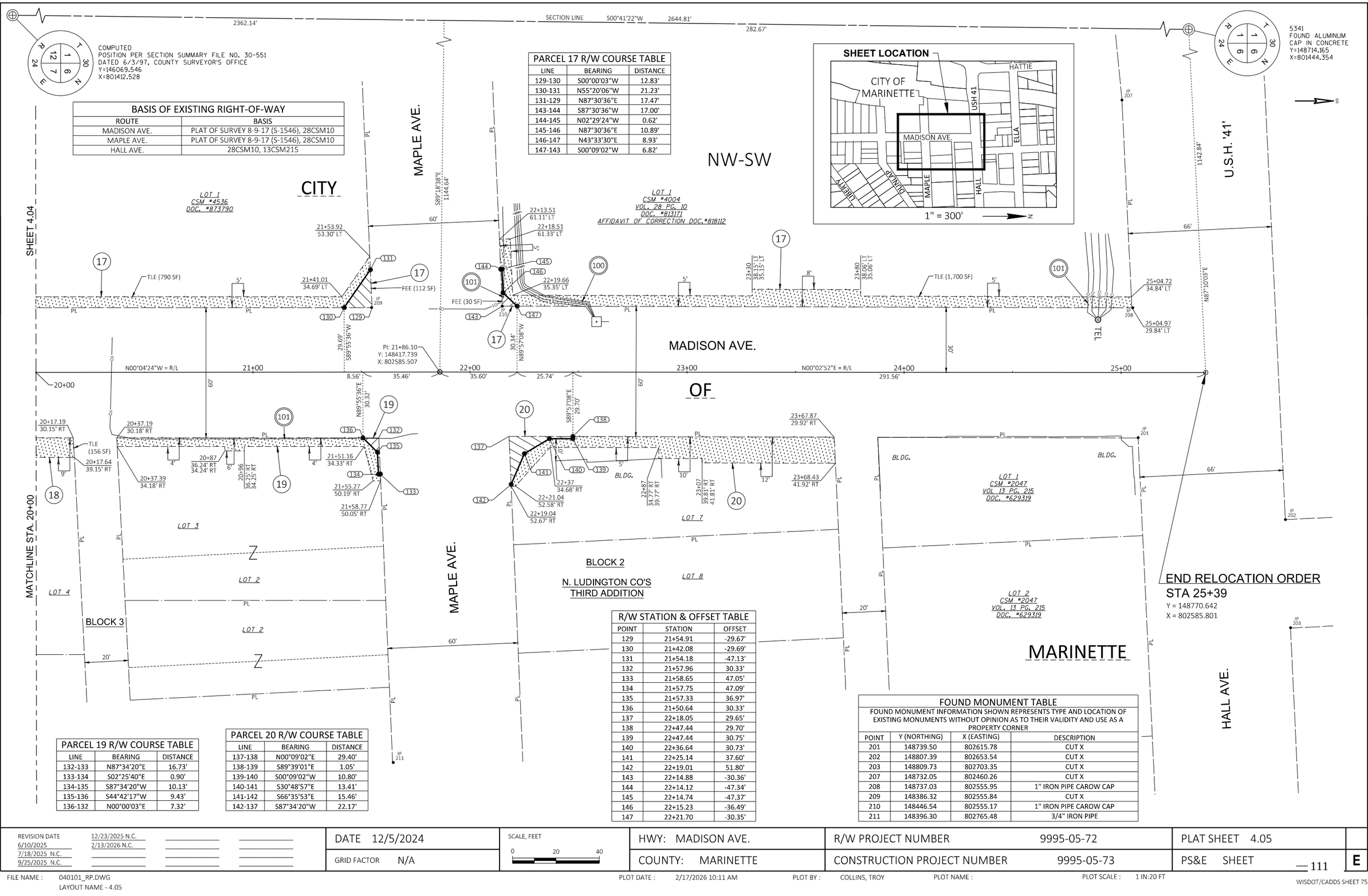
PS&E SHEET 110

E

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 4.04

PLOT DATE : 2/17/2026 10:11 AM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 75



REVISION DATE 12/23/2025 N.C.	DATE 12/5/2024	SCALE, FEET 0 20 40	HWY: MADISON AVE.	R/W PROJECT NUMBER 9995-05-72	PLAT SHEET 4.05
6/10/2025 2/13/2026 N.C.	GRID FACTOR N/A		COUNTY: MARINETTE	CONSTRUCTION PROJECT NUMBER 9995-05-73	PS&E SHEET 111 E
7/18/2025 N.C.					
9/25/2025 N.C.					

FILE NAME : 040101_RP.DWG
LAYOUT NAME - 4.05
PLOT DATE : 2/17/2026 10:11 AM PLOT BY : COLLINS, TROY PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 75

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
1000	10+47	598.10	TAG BOLT

PC: 49+67.38
EX. R/W
BRIGHTSPEED COMMUNICATIONS
BP: 9+79.62
WPS GAS LINE CAUTION
CITY OF MARINETTE SANITARY
REMOVE EX. SURFACE DRAIN
SLOPE INTERCEPTS (TYP.)
TLE
25.47'
23.99'
PROPOSED MADISON AVE. CONSTRUCTION R/L
MADISON AVENUE
WPS ELECTRIC
ADJUST EX. STORM SEWER MANHOLE
PI: 12+46.98
BP: 60+00.00
CITY OF MARINETTE WATER
MATCH LINE STA. 12+75
EX. R/W
R/W
TLE
PT: 50+29.42
BM 1000
REMOVE FENCE
SLOPE INTERCEPTS (TYP.)
BEGIN PROJECT STA 10+33.64
LEWIS STREET
WPS ELECTRIC
EX. R/W
SLOPE INTERCEPTS (TYP.)
WISCONSIN STREET

NOTE:
PAVE OVER THE RAILROAD TIMBERS WHILE PROTECTING THE FLANGE WAY.

10+00 11+00 12+00 12+75

STA 10+33.64 EL 596.21
STA 10+77.61 EL 596.63
STA 10+88.42 EL 596.55
VCL = 60.00
K = 52.65
LP STA 11+28.15 LP EL 596.40
VPC STA 11+65.00 VPC EL 596.52
VPI STA 11+95.00 VPI EL 596.67
VPT STA 12+25.00 VPT EL 596.49
VCL = 90.00
K = 84.11
ORIGINAL GROUND
PROPOSED PROFILE
0.95%
-0.72%
-0.63%
0.51%
-0.60%
HP STA 11+92.57 HP EL 596.59
VPC STA 10+95.00 VPC EL 596.51
VPI STA 11+25.00 VPI EL 596.32
VPT STA 11+55.00 VPT EL 596.47
VCL = 60.00
K = 54.05
VPC STA 12+70.00 VPC EL 596.22
600 598 596 594 592
EXISTING ELEV. PROPOSED ELEV.
595.97 596.23 596.36 596.53 596.48 596.76 596.45 597.00 596.59 596.70 596.34 596.27 596.20

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MADISON AVENUE	SHEET 112	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 01
PLOT DATE : 2/20/2026 2:25 PM PLOT BY : ENGLES, BRIAN PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 44

MATCH LINE STA. 12+75

MATCH LINE STA. 15+75

5

5

N

TLE

TLE

EX. R/W

EX. R/W

BRIGHTSPEED COMMUNICATIONS

CHARTER COMMUNICATIONS

SLOPE INTERCEPTS (TYP.)

TLE

23.95'

BRIGHTSPEED COMMUNICATIONS

CHARTER COMMUNICATIONS

EX. R/W

PROPOSED MADISON AVE. CONSTRUCTION R/L

WPS GAS LINE CAUTION

WPS ELECTRIC

CITY OF MARINETTE STORM

MADISON AVENUE

13+00

14+00

15+00

PI: 15+01.20

BP: 70+00.00

WPS GAS LINE CAUTION

CITY OF MARINETTE SANITARY

CITY OF MARINETTE WATER

REMOVE EX. WATER VALVE

REMOVE EX. HYD.

BM 1001

EX. R/W

EX. R/W

TLE

20.00'

R/W

TLE

SLOPE INTERCEPTS (TYP.)

REMOVE EX. INL

R/W

TLE

LIBERTY STREET

SLOPE INTERCEPTS (TYP.)

TLE

BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
1001	15+34	598.41	NORTHEAST BOLT

600 12+75 13+00 14+00 15+00 15+75 600

VCL = 90.00

K = 84.11

VCL = 110.00

K = 115.71

598

596

594

592

LP STA 13+20.47
LP EL 596.07

VPC STA 13+60.00
VPC EL 596.17

VPI STA 14+05.00
VPI EL 596.38

VPT STA 14+50.00
VPT EL 596.15

LP STA 15+07.93
LP EL 596.01

PROPOSED PROFILE

ORIGINAL GROUND

VPI STA 13+15.00
VPI EL 595.95

VPT STA 13+60.00
VPT EL 596.17

HP STA 14+03.58
HP EL 596.27

VPC STA 14+50.00
VPC EL 596.15

VPI STA 15+05.00
VPI EL 595.88

VPT STA 15+60.00
VPT EL 596.12

VCL = 90.00

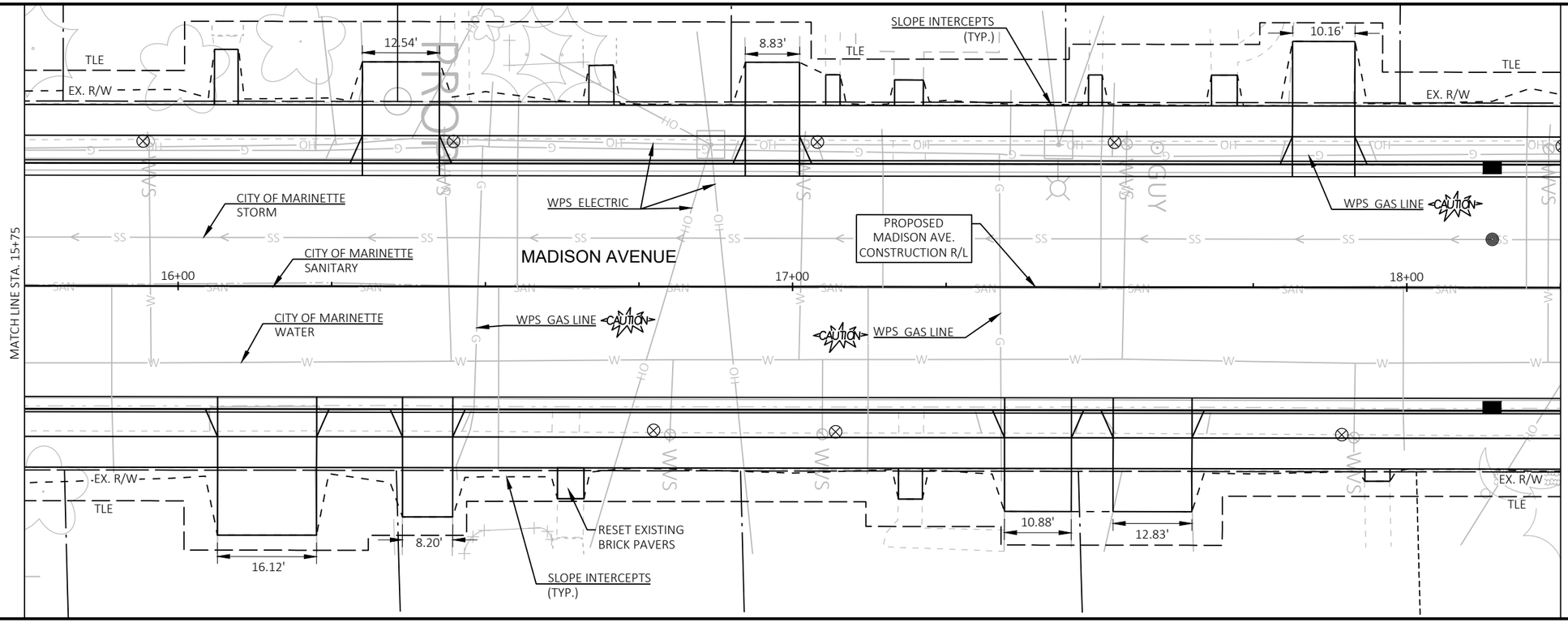
K = 92.72

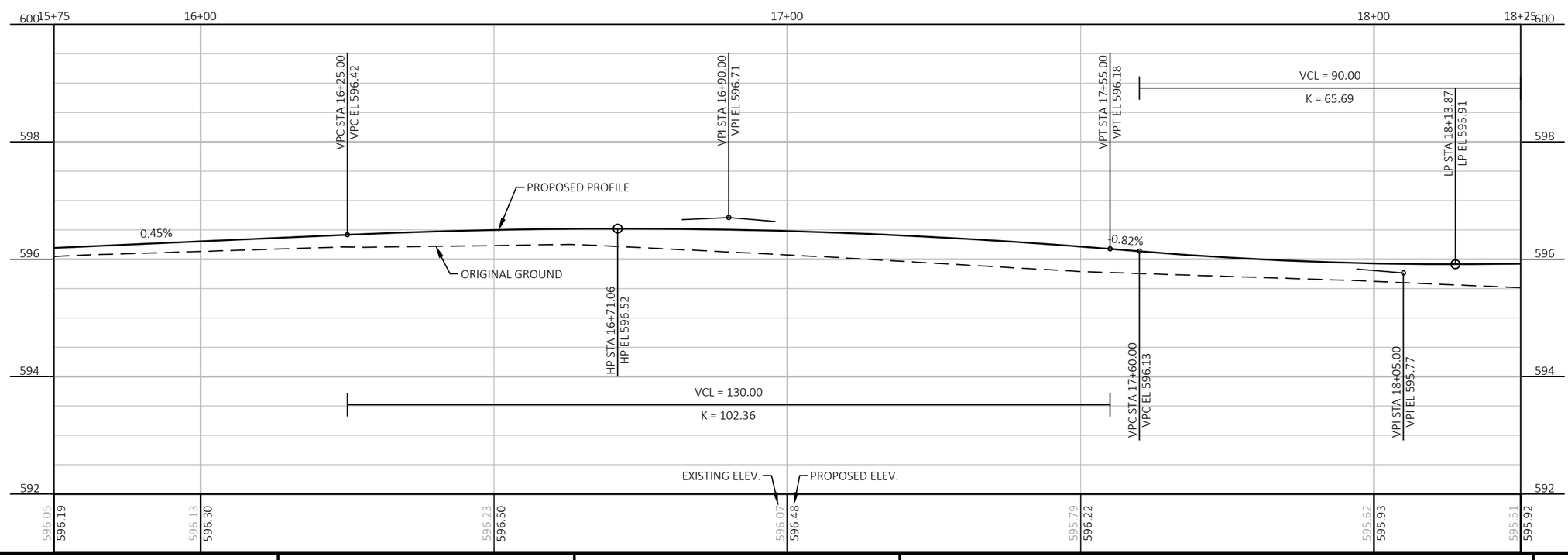
EXISTING ELEV.

PROPOSED ELEV.

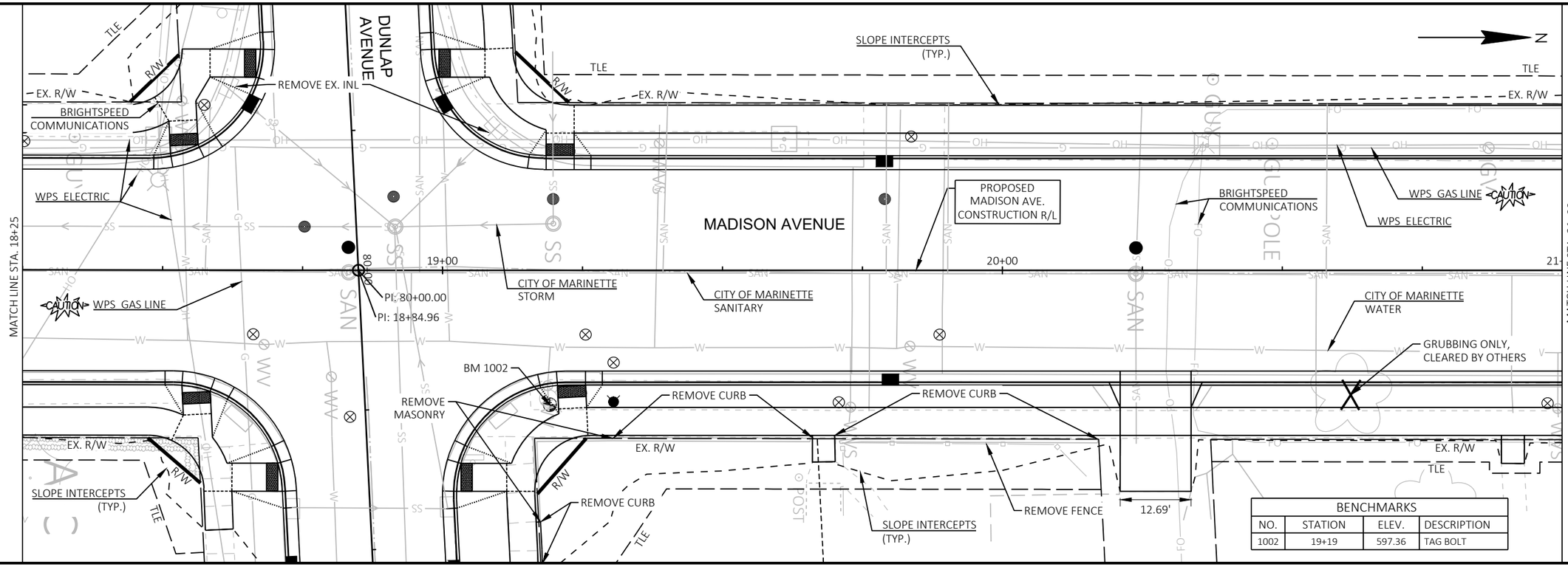
596.27 596.20 596.16 596.10 596.15 596.12 596.03 596.27 595.91 596.15 595.83 596.01 595.91 596.08 596.05 596.19

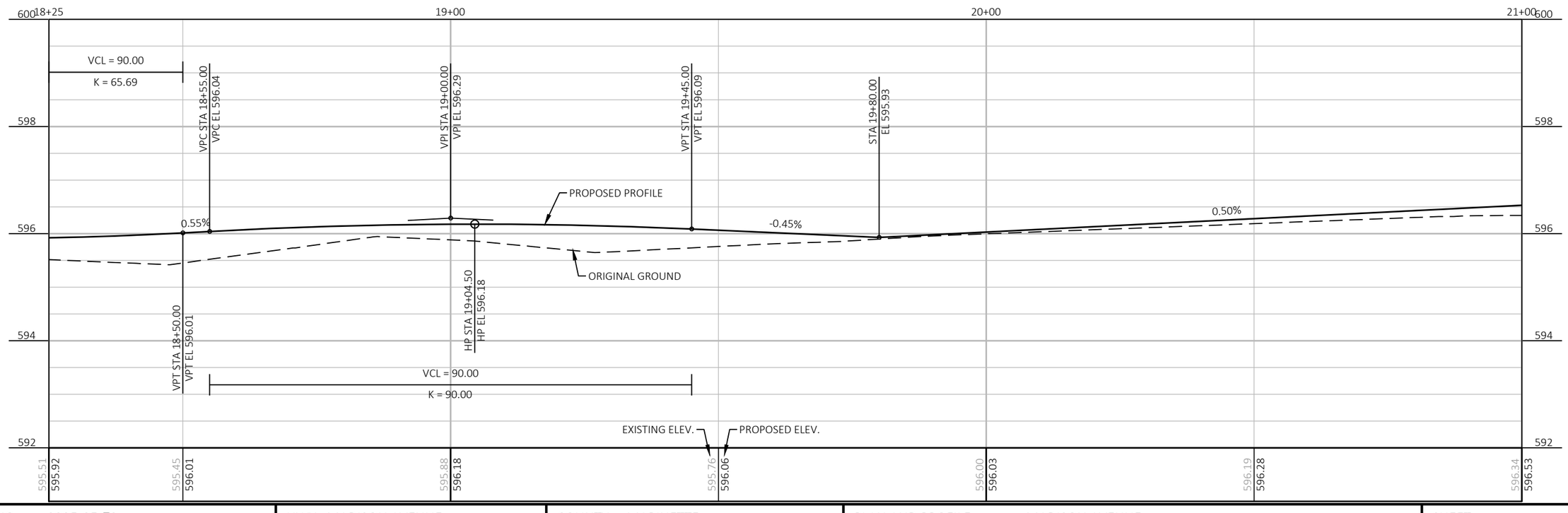
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MADISON AVENUE	SHEET 113 E





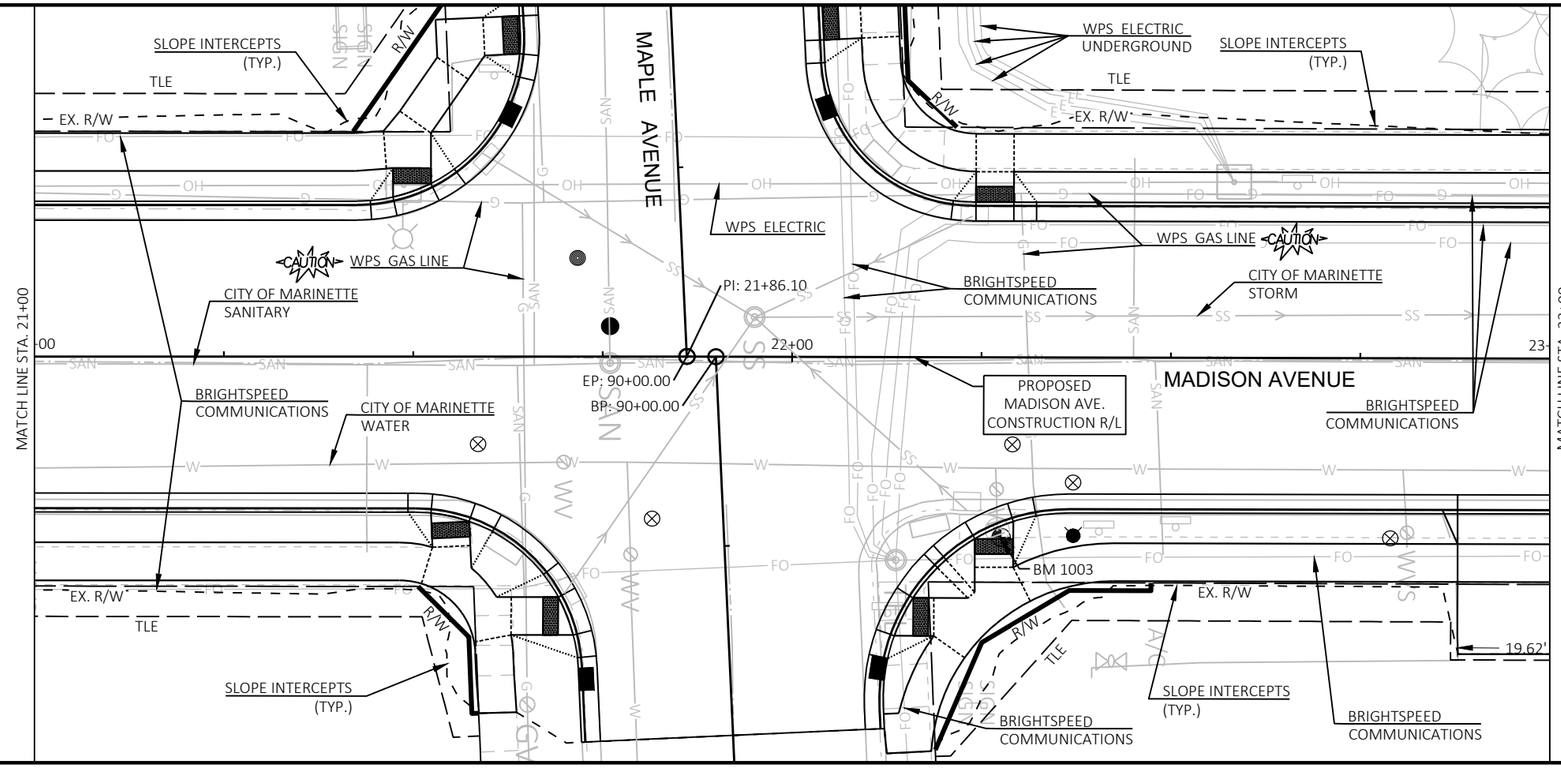
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MADISON AVENUE	SHEET 114	E

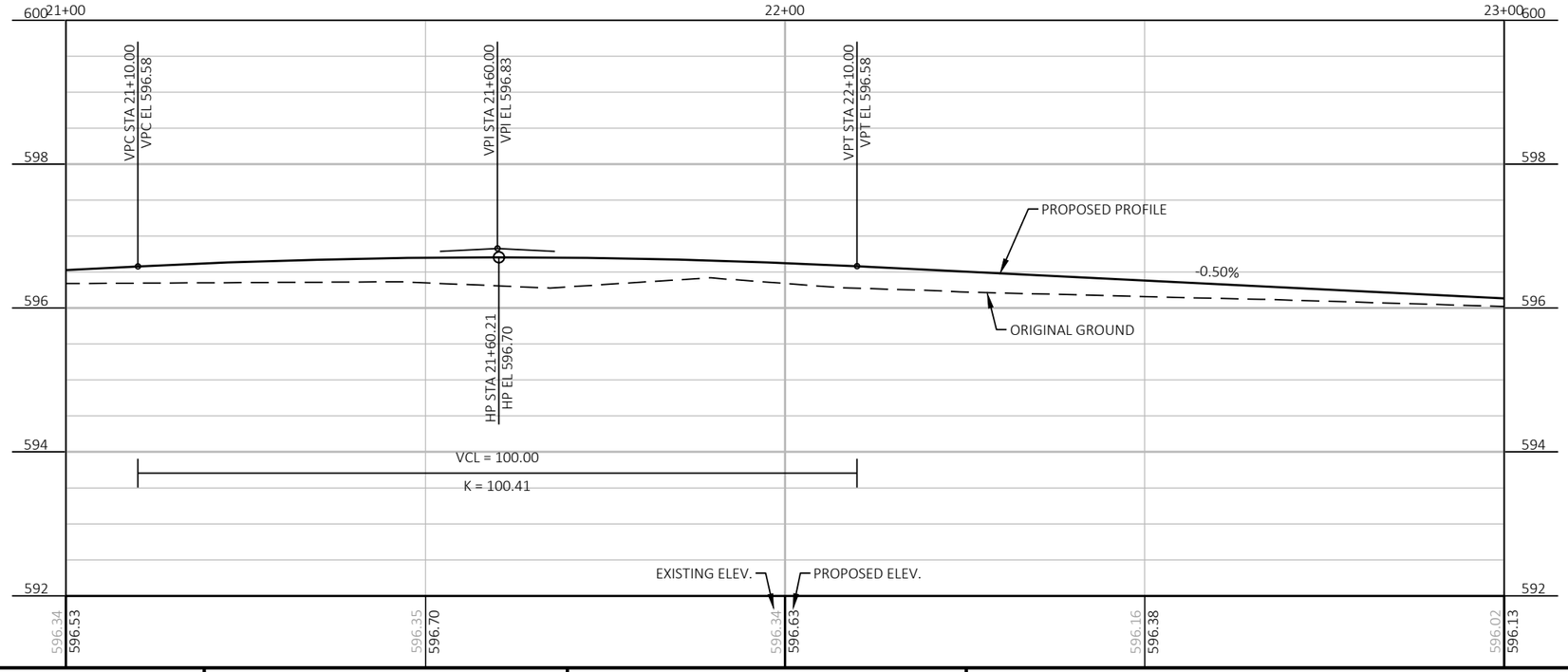




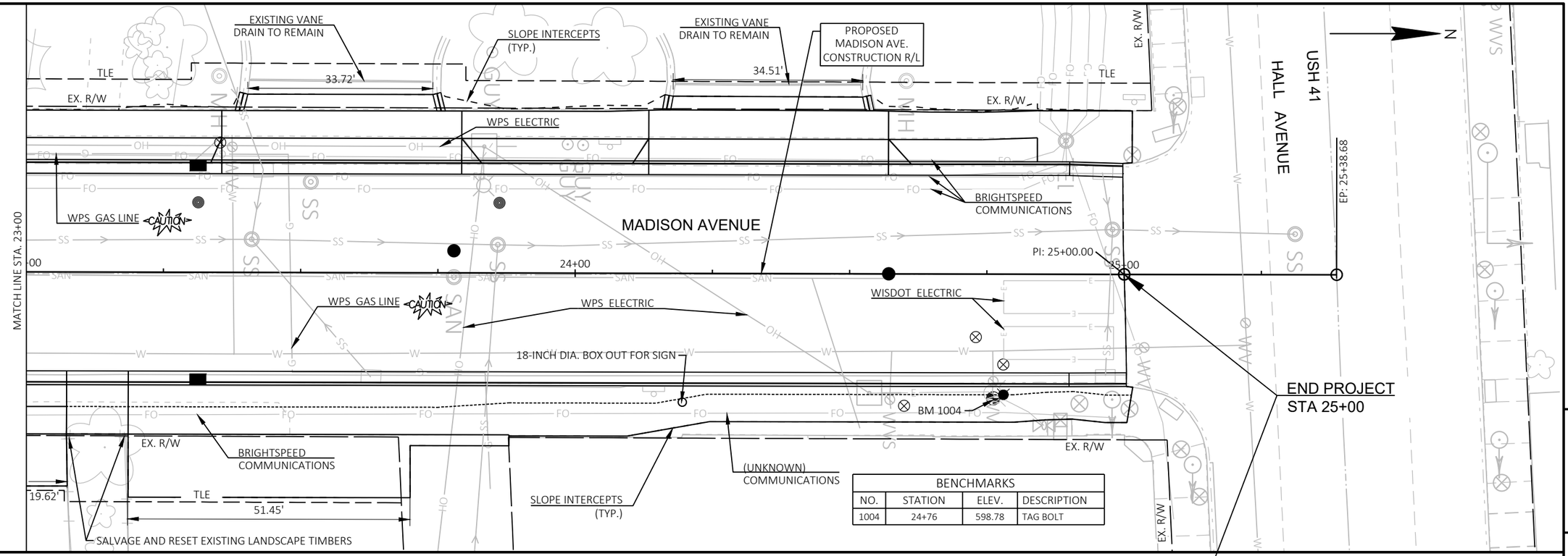
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MADISON AVENUE	SHEET 115	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 04
PLOT DATE : 2/19/2026 10:10 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 44

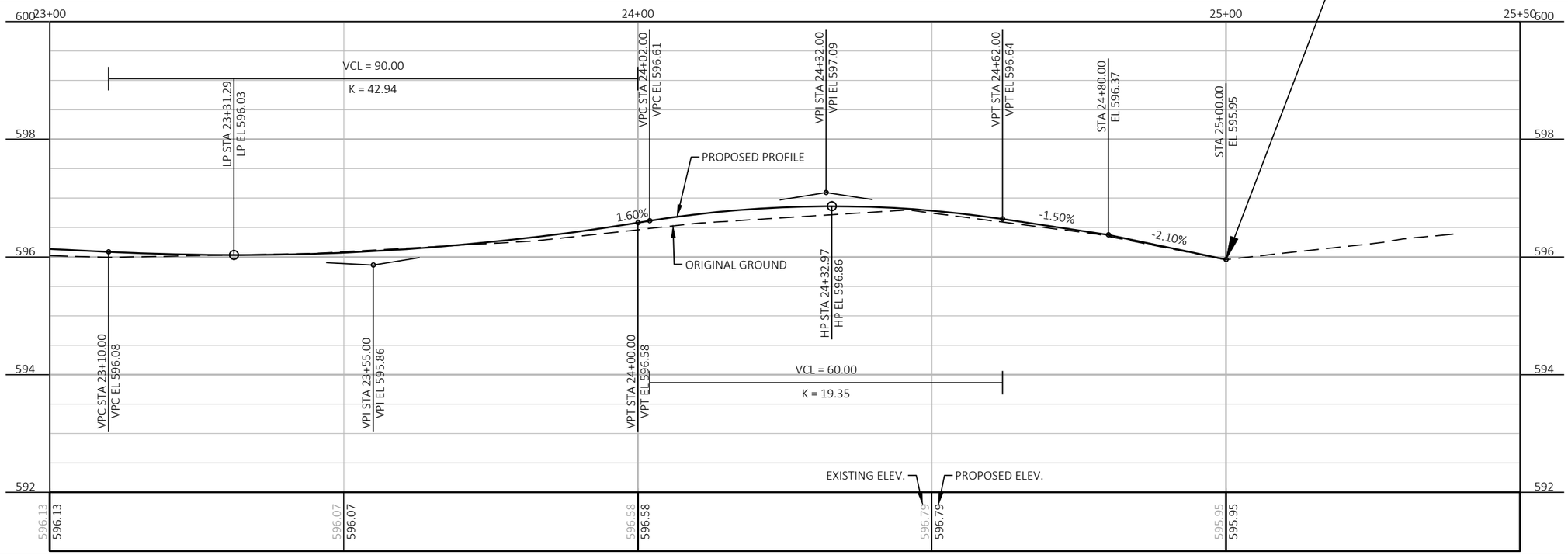




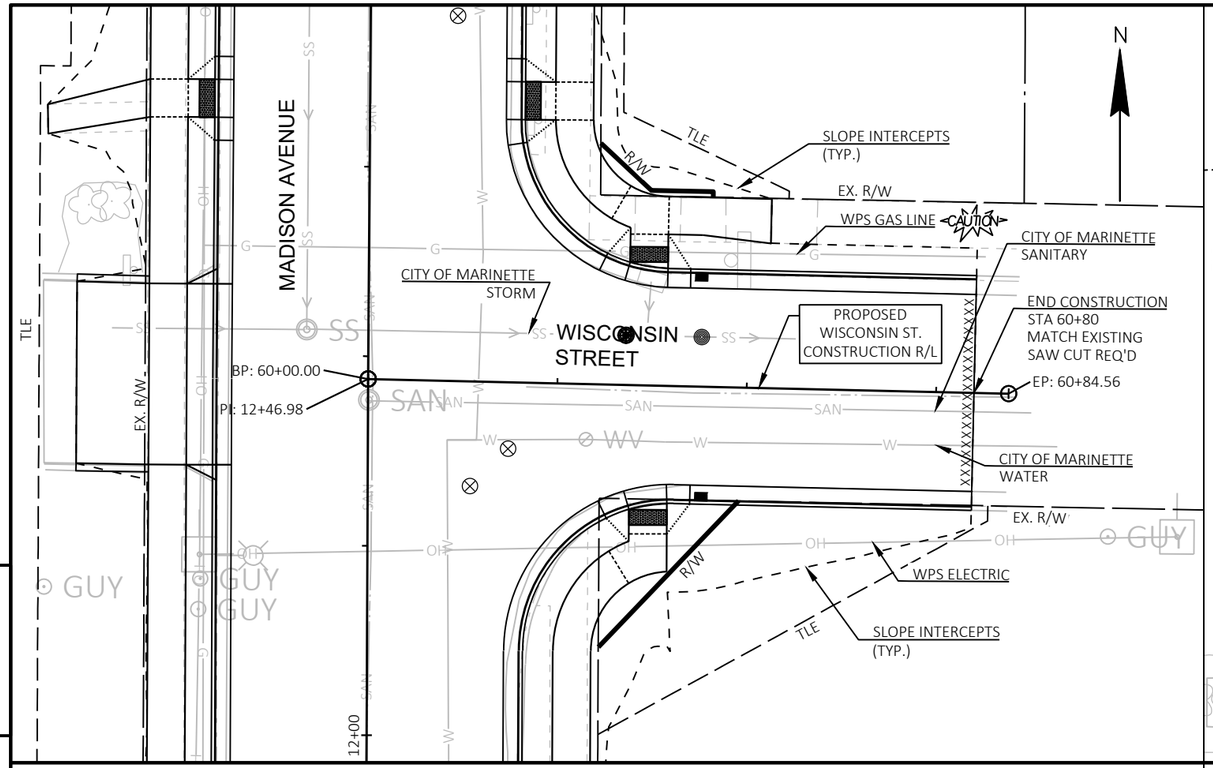
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MADISON AVENUE	SHEET 116	E

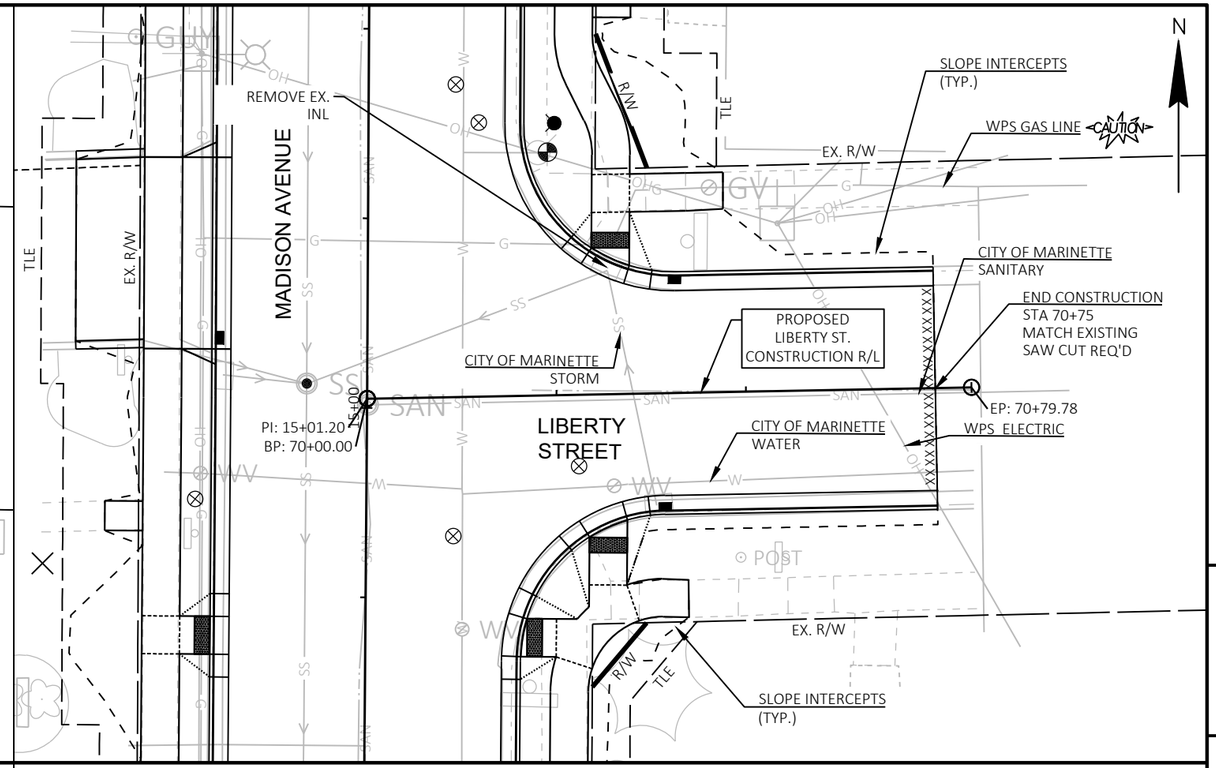


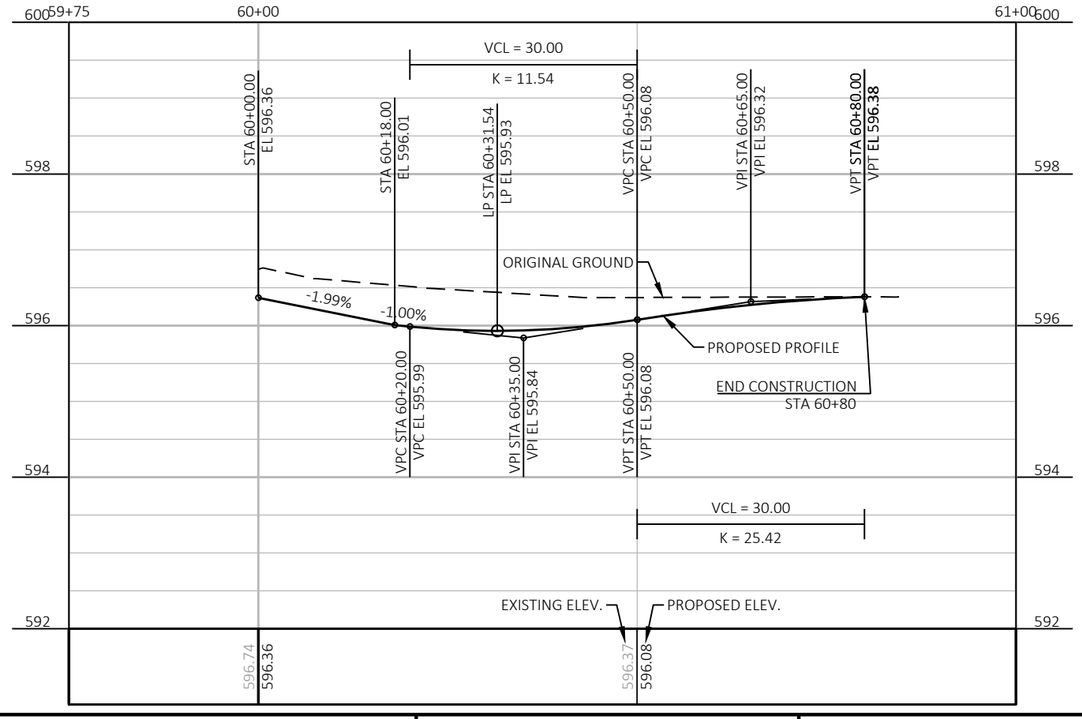
BENCHMARKS			
NO.	STATION	ELEV.	DESCRIPTION
1004	24+76	598.78	TAG BOLT

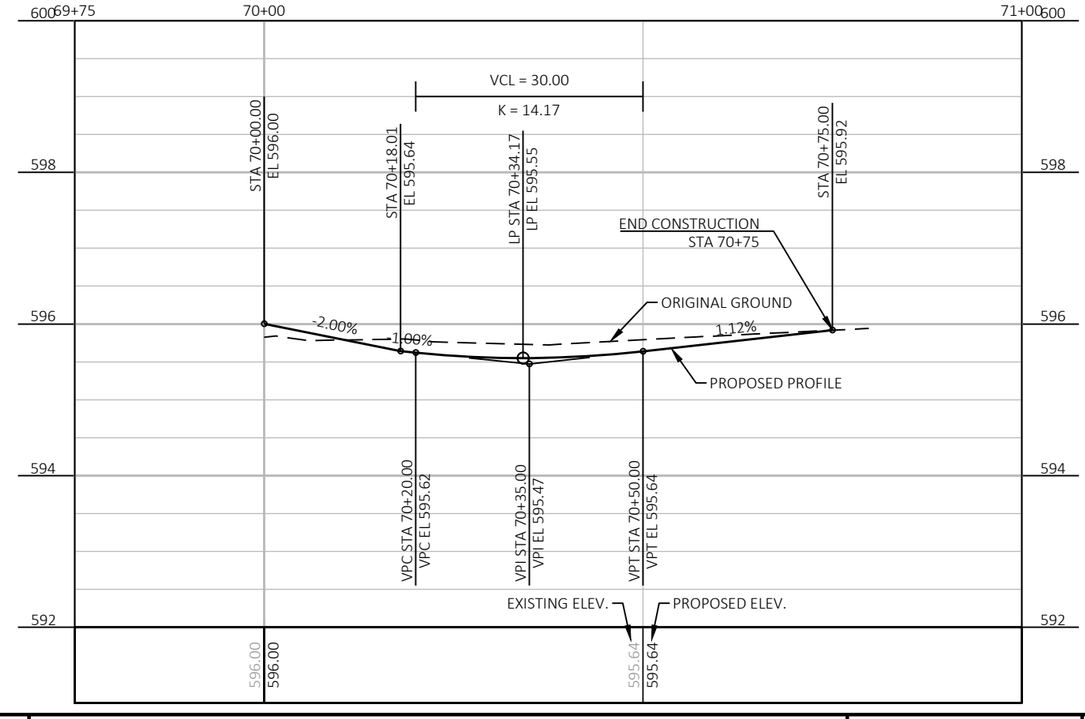


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MADISON AVENUE	SHEET 117	E

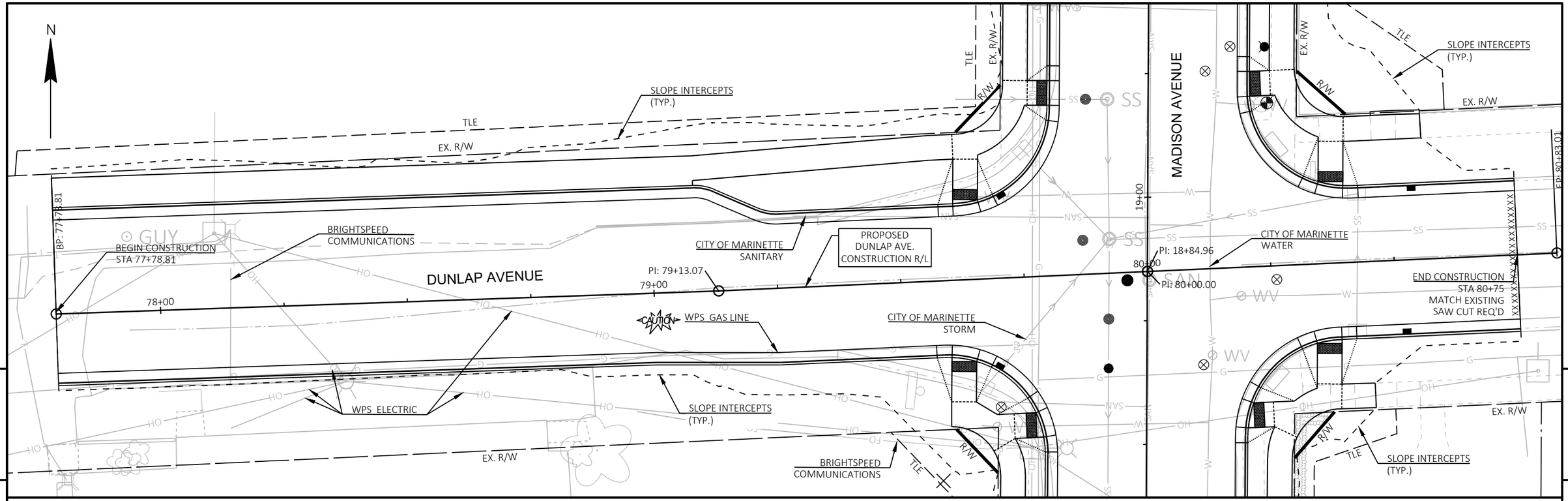


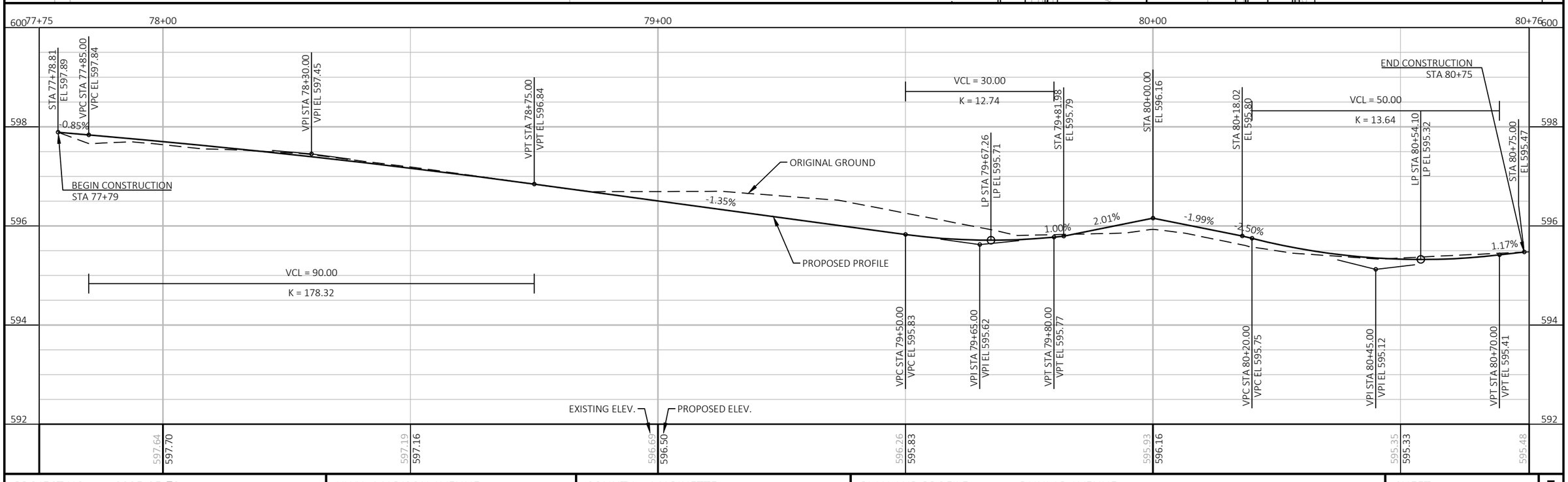




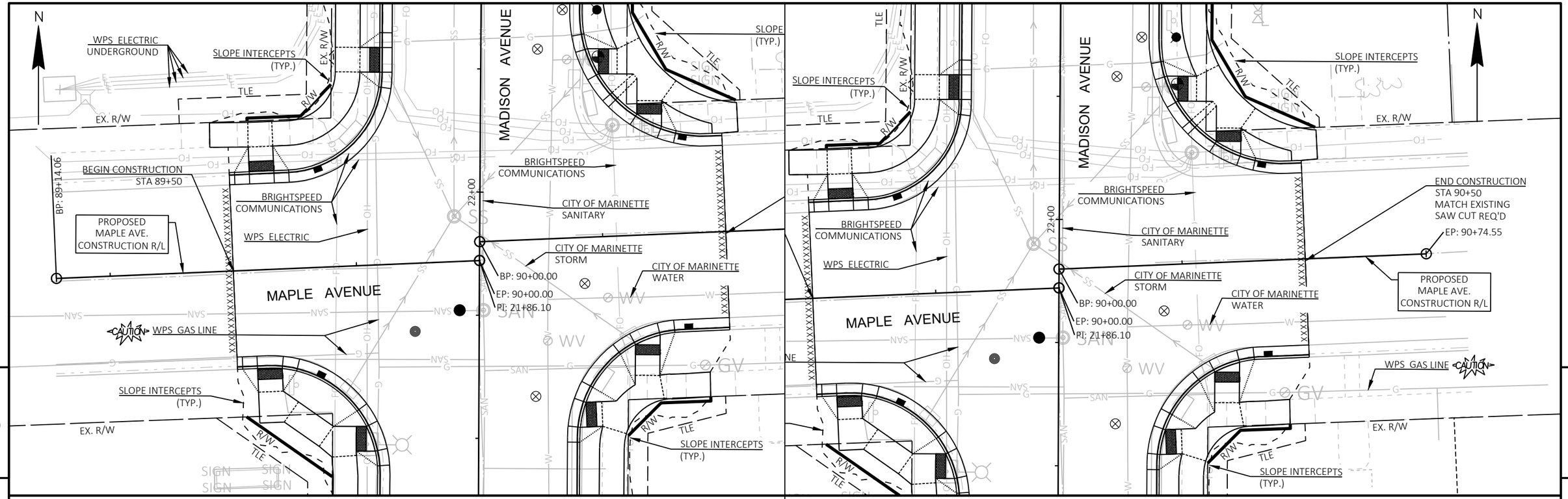


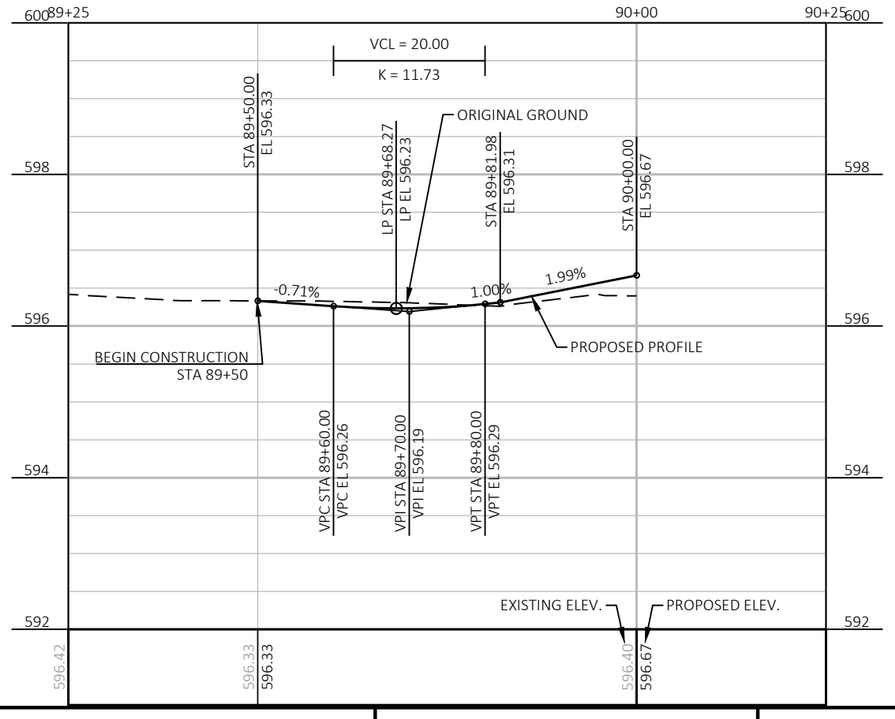
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: WISCONSIN STREET & LIBERTY STREET	SHEET 118	E

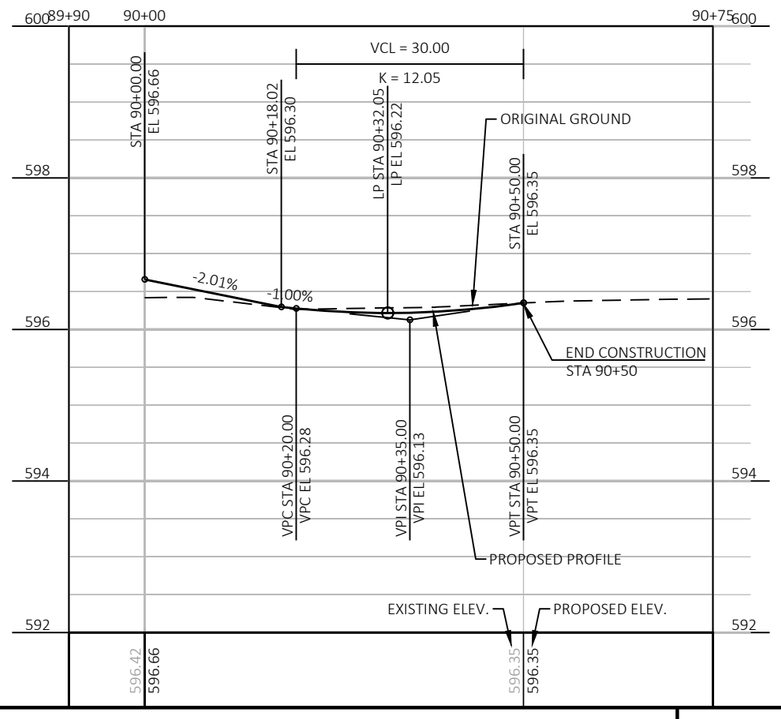




PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: DUNLAP AVENUE	SHEET 119	E





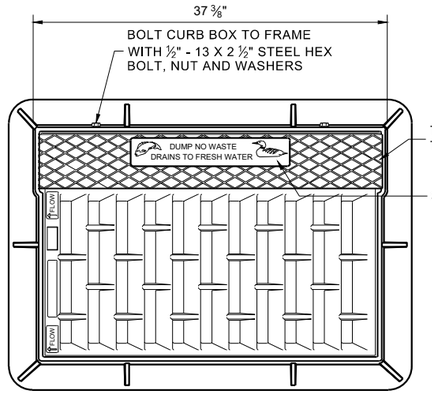


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	PLAN AND PROFILE: MAPLE AVENUE	SHEET 120	E

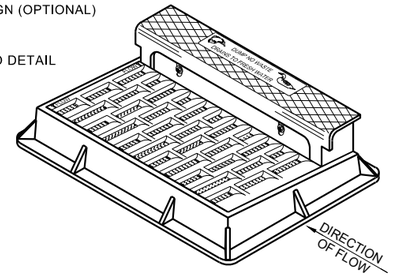
Standard Detail Drawing List

08A05-22A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-22C	INLET COVERS TYPE F, HM, HM-S, S, T, HM-GJ & HM-GJ-S
08A05-22E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-03	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08D01-24A	CONCRETE CURB & GUTTER
08D01-24B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-05	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13B01-11A	PAVEMENT DETAILS FOR RAILROAD APPROACH
13B01-11B	TYPICAL SECTIONS FOR RAILWAY APPROACH
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-16C	PAVEMENT MARKING ARROWS
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D32-07	TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION

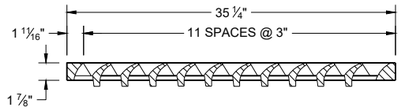
6

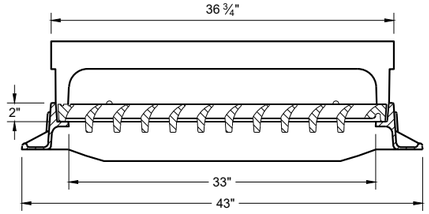


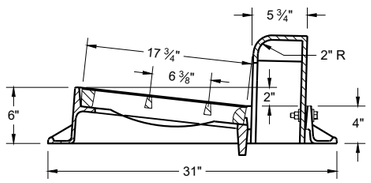
NOTE: EITHER CASTING IS ACCEPTABLE

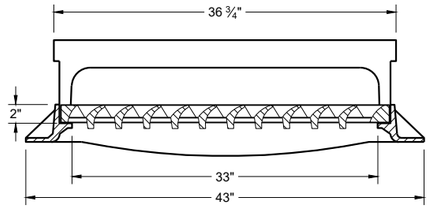


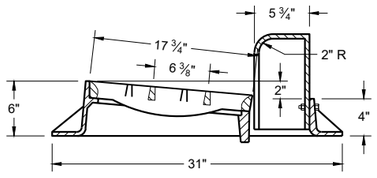
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"







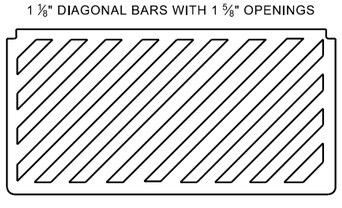




TYPE "H"

NOTE: EITHER CASTING IS ACCEPTABLE

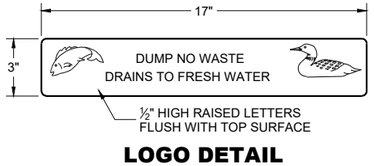
1 ⅛" DIAGONAL BARS WITH 1 ⅝" OPENINGS



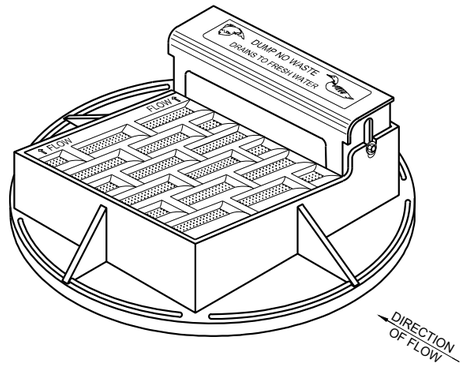
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35" X 17 ¾" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

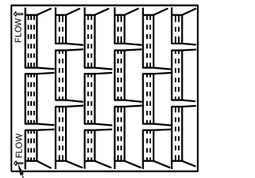


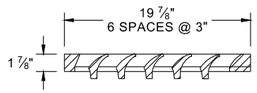
LOGO DETAIL

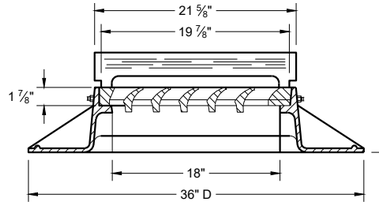


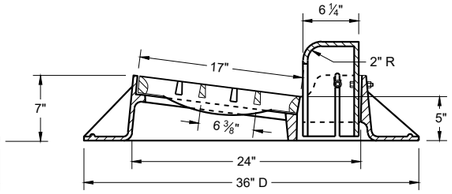
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

NOTE: EITHER CASTING IS ACCEPTABLE



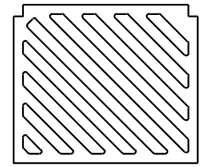






TYPE "A"

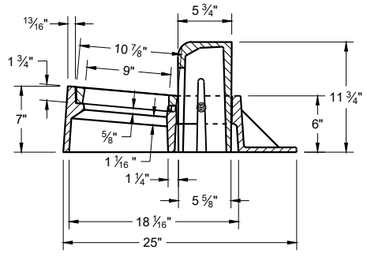
1" DIAGONAL BARS
WITH 1 ½" OPENINGS



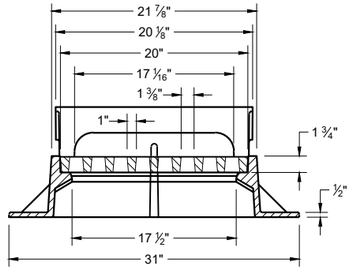
SPECIAL GRATE FOR TYPE "A" COVER

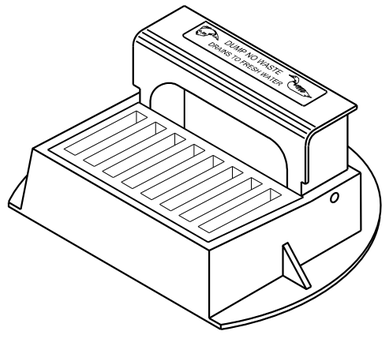
(MEASURES 19 ¾" X 17" X 1 ⅞")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "Z"





GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

INLET COVERS
TYPES A, H, A-S, H-S AND Z

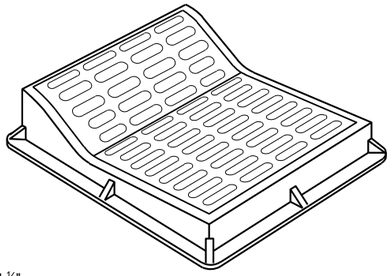
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

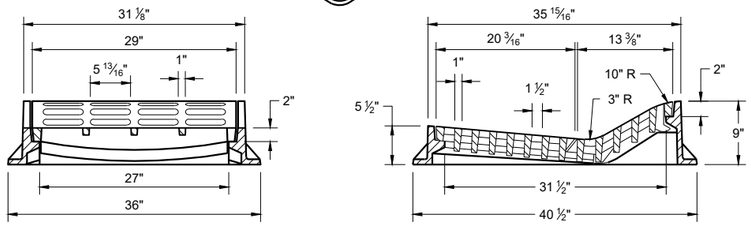
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

GENERAL NOTES

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

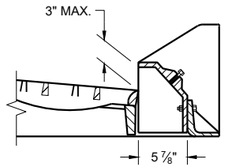
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.





TYPE "F"

USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"

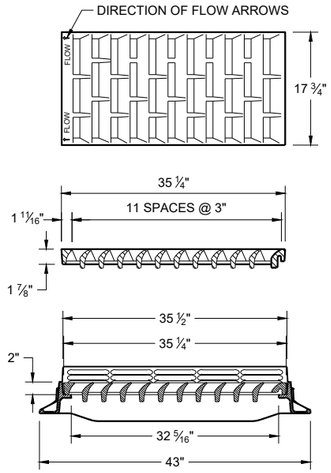


ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

USE WITH TYPES "G" AND "J" CONCRETE CURB AND GUTTER, 30 INCH
NOTED AS TYP "HM-GJ" ON DRAINAGE TABLE

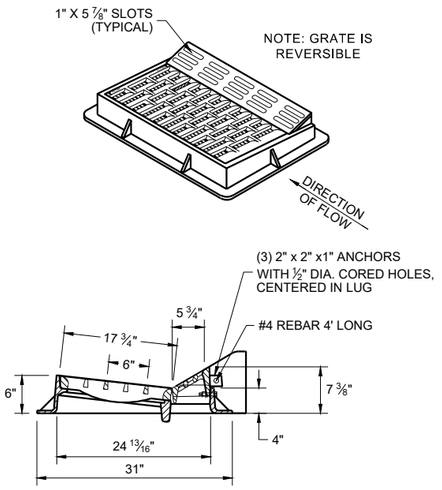
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.



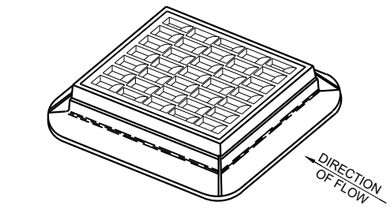
TYPE "HM"

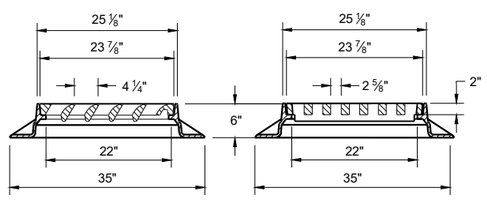
USE WITH TYPES "A" AND "D" CONCRETE CURB AND GUTTER, 36"



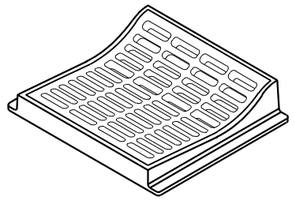
NOTE:
SPECIAL GRATE FOR THE TYPE "H" COVER MAY ALSO BE USED FOR THE TYPE "HM-GJ" COVER.

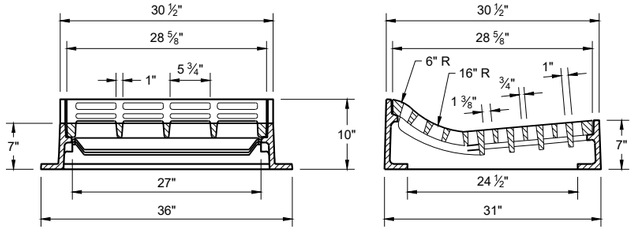
NOTED AS TYPE HM-GJ-S ON THE DRAINAGE TABLE.





TYPE "S"





TYPE "T"

USE WITH TYPES "R" AND "T" CONCRETE CURB AND GUTTER, 36"

INLET COVERS
TYPES F, HM, HM-S, S, T, HM-GJ AND HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

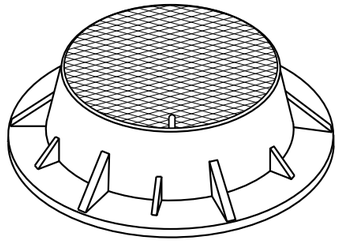
6
SDD 08A05-22c

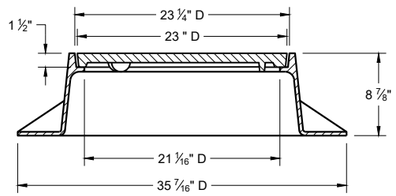
GENERAL NOTES

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

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

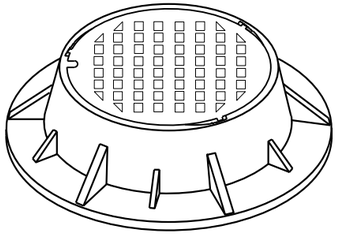
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

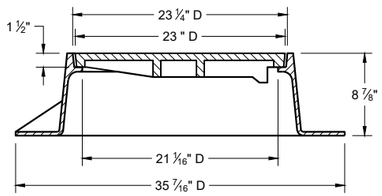




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

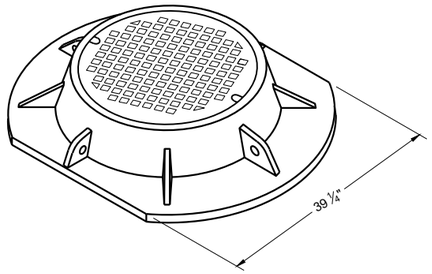


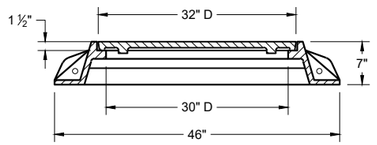


TYPE "J" SPECIAL

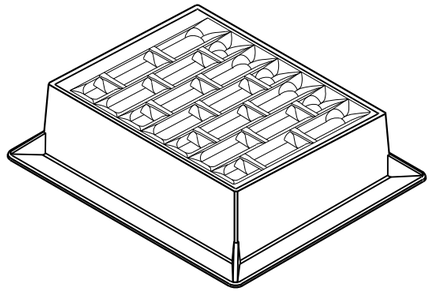
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

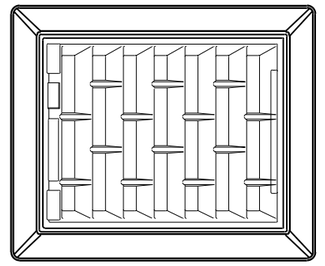
NOTE: EITHER CASTING IS ACCEPTABLE

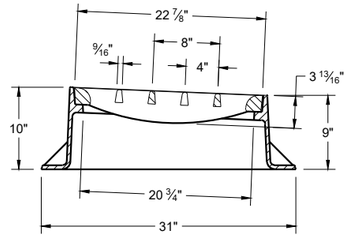


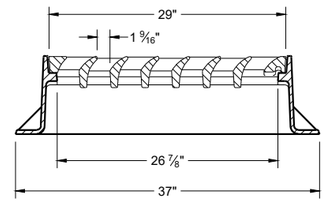


TYPE "K"

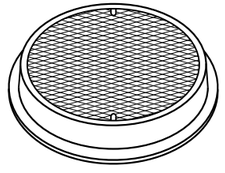


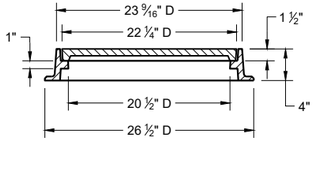




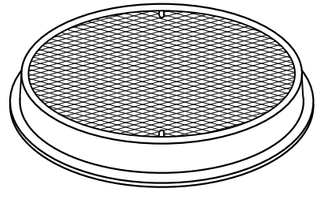


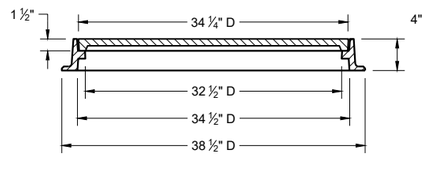
INLET COVER TYPE "BW"





TYPE "L"





TYPE "M"

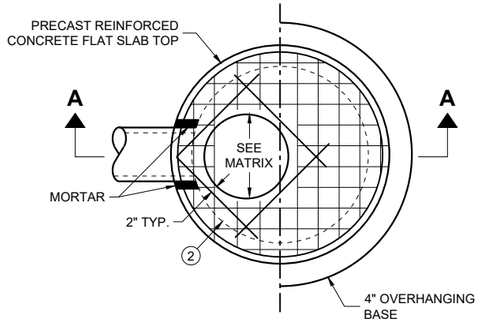
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K, J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

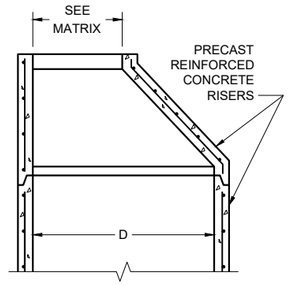
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

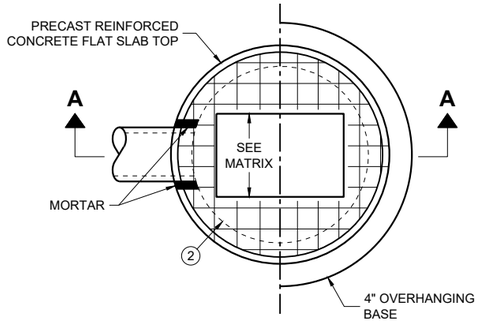
6
SDD 08A05-22e



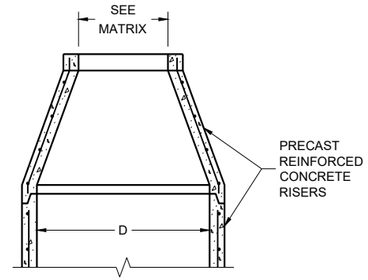
PLAN VIEW CIRCULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



PLAN VIEW RECTANGULAR OPENING



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

COVER MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V V-B	VV-B	WM	Z
	OPENING SIZE (FT.)												
3-FT	2 X 2	X	X					X		X			
	2 DIA.				X								X
4-FT TO 6-FT	2 X 2	X	X					X		X			
	2 X 2.5			X				X	X	X		X	
	2 DIA.				X								X
	2 X 3						X						
	2.5 X 3					X							
	2 X 3.5*										X*		

* REQUIRES 5-FT DIAMETER OR LARGER STRUCTURE

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USE ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

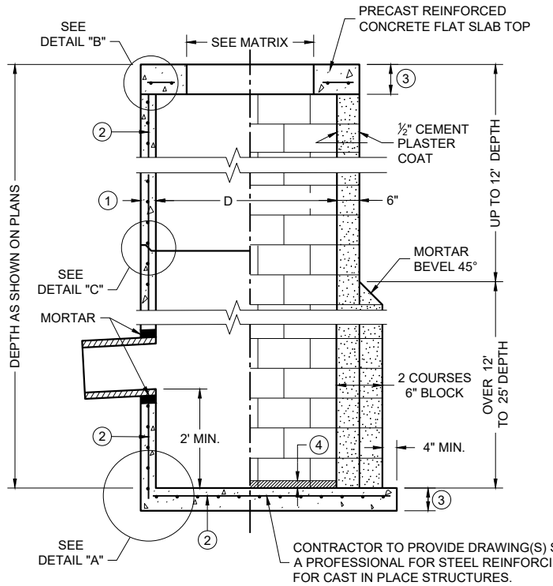
(1) MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

(2) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(3) PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

(4) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

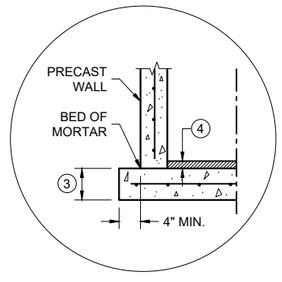
(5) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFROMING TO ASTM C443.



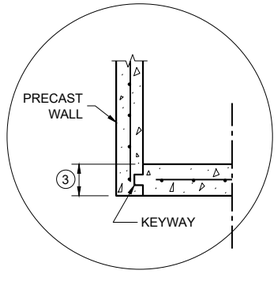
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (2)

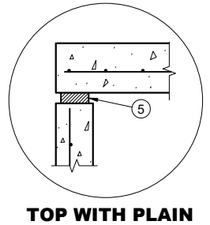


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

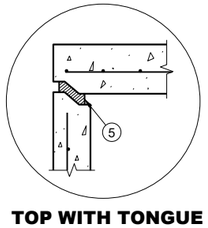


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

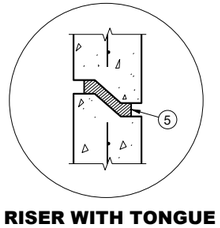
DETAIL "A"



TOP WITH PLAIN END JOINT

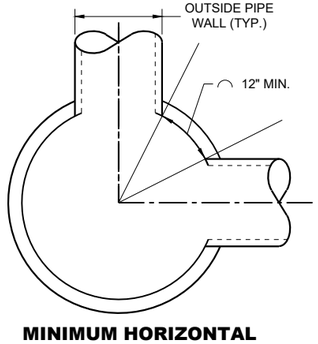


TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

CATCH BASINS, 3-FT. 4-FT., 5 FT., AND 6-FT. DIAMETER

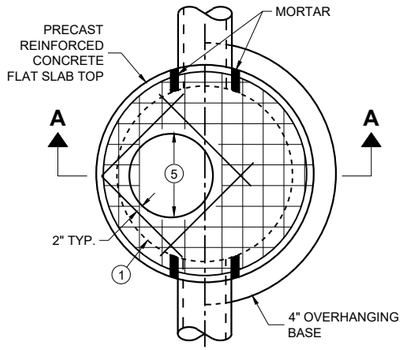
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

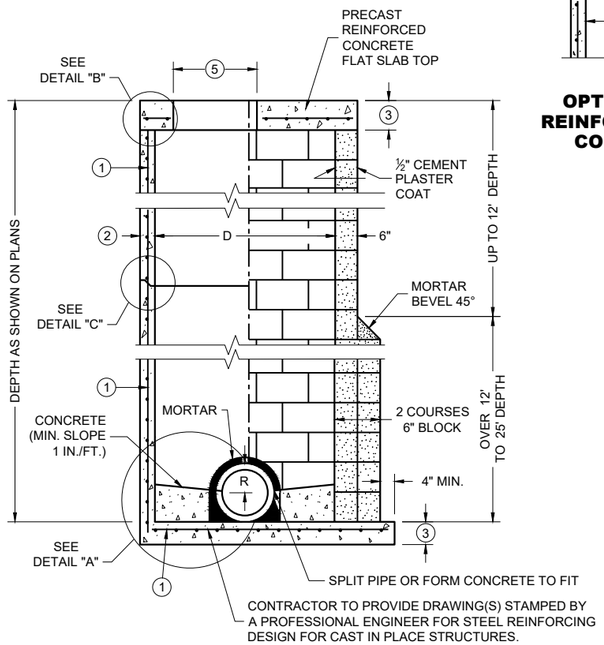
SDD 08A08-03

SDD 08A08-03



PLAN VIEW

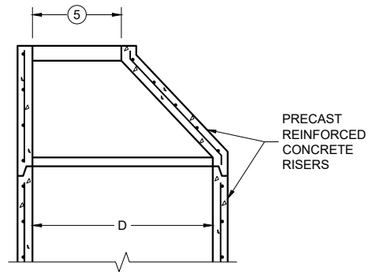
CIRCULAR OPENING



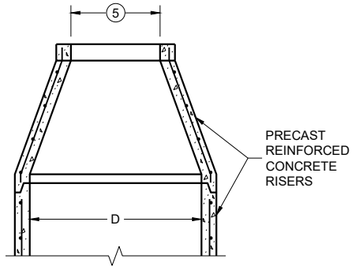
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

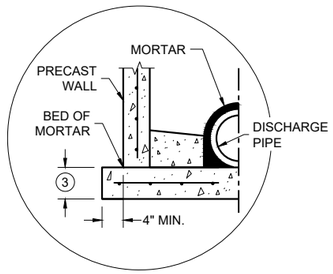
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



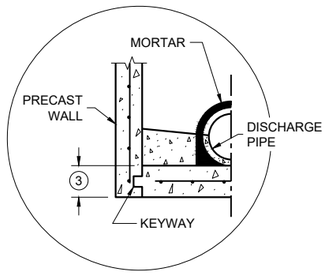
OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

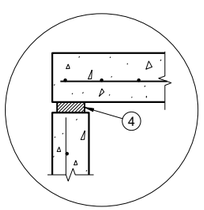


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

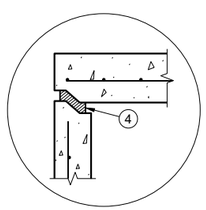


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

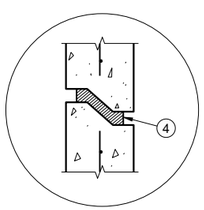
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) (5) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES. SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

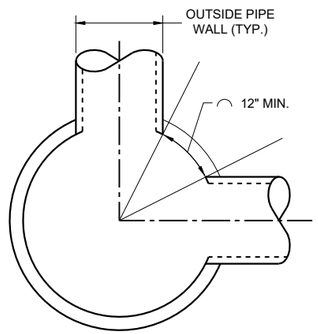
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

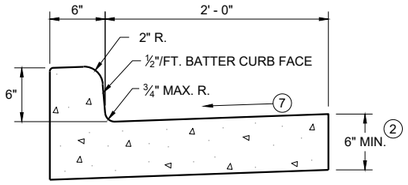
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

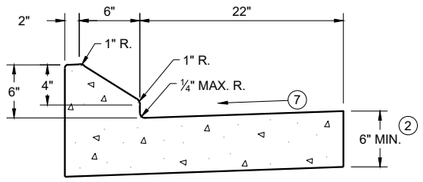
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

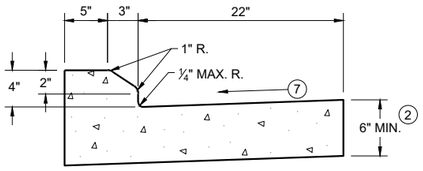
FHWA



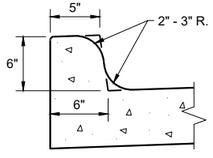
TYPES A (1) & D



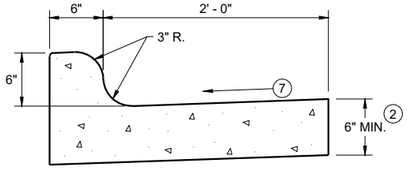
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

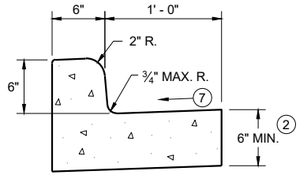


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



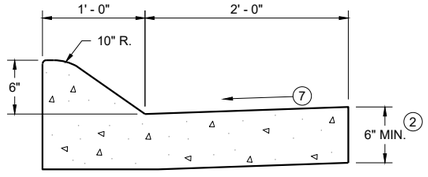
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

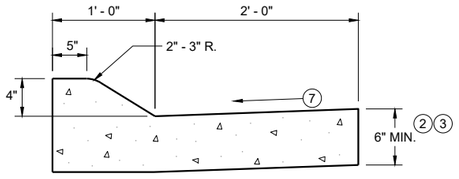


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

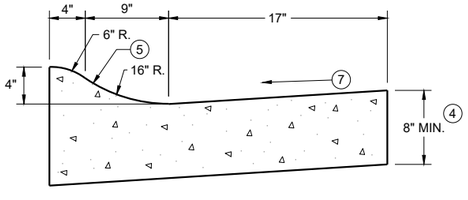


6" SLOPED CURB TYPES A (1) & D



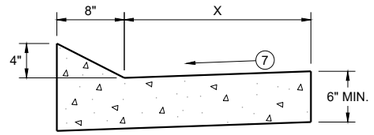
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

TBT & TBTT	X
30"	22"
36"	28"

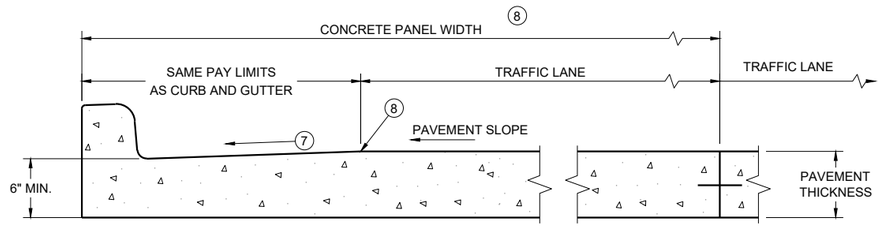


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

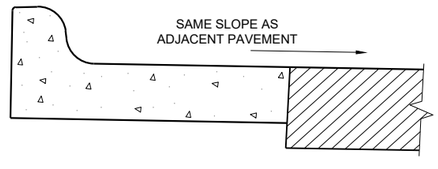
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

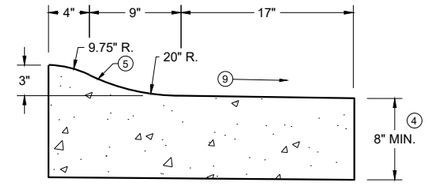
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

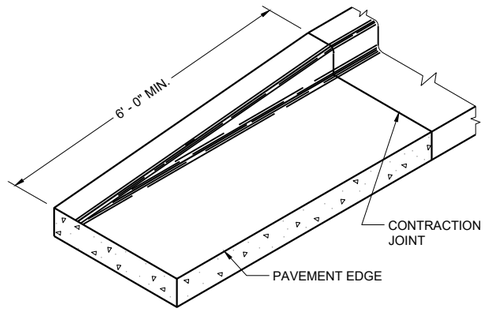
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



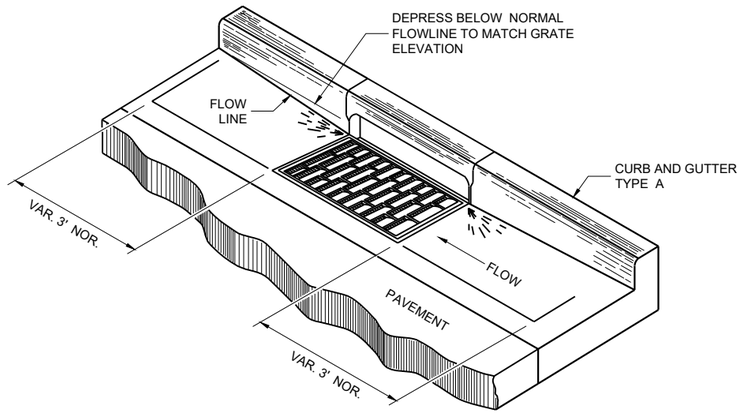
3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

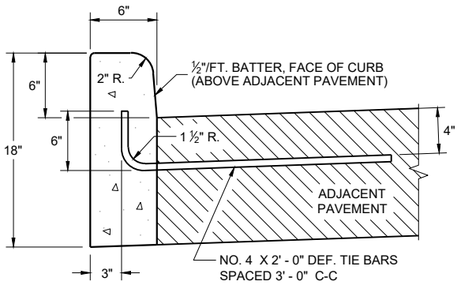
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

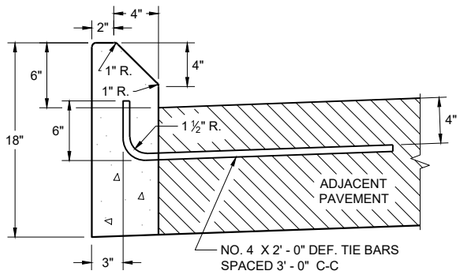
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

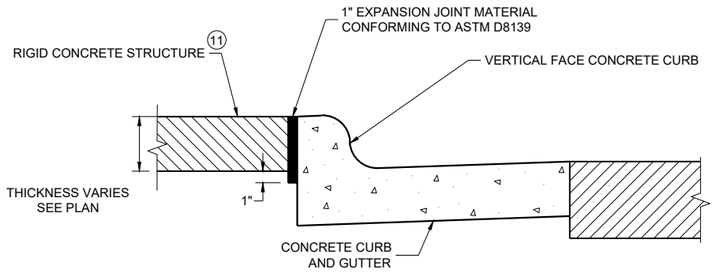


TYPES A (1) & D

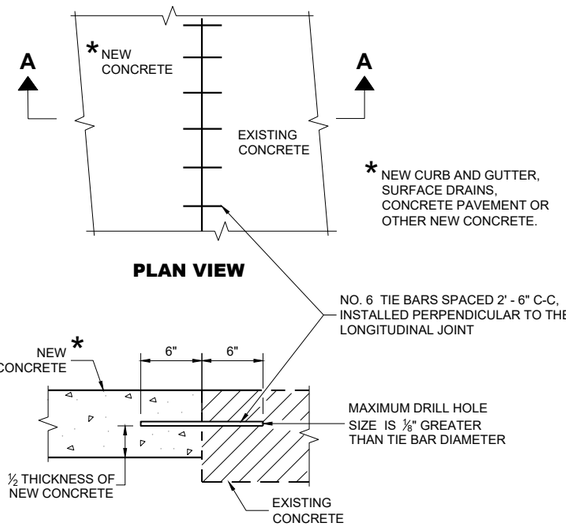


TYPES G (1) & J

CONCRETE CURB



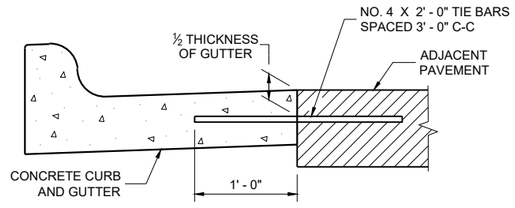
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



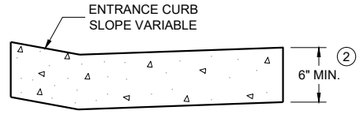
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

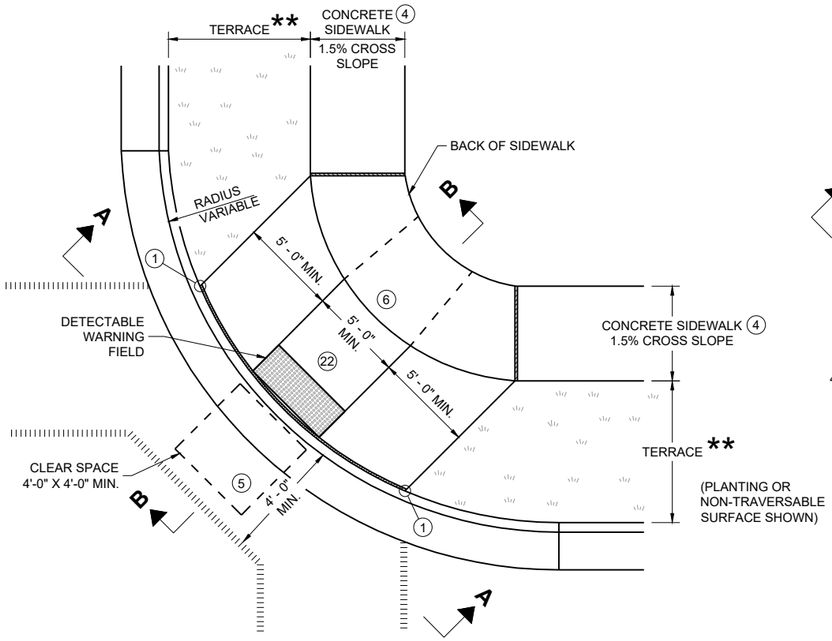
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

6

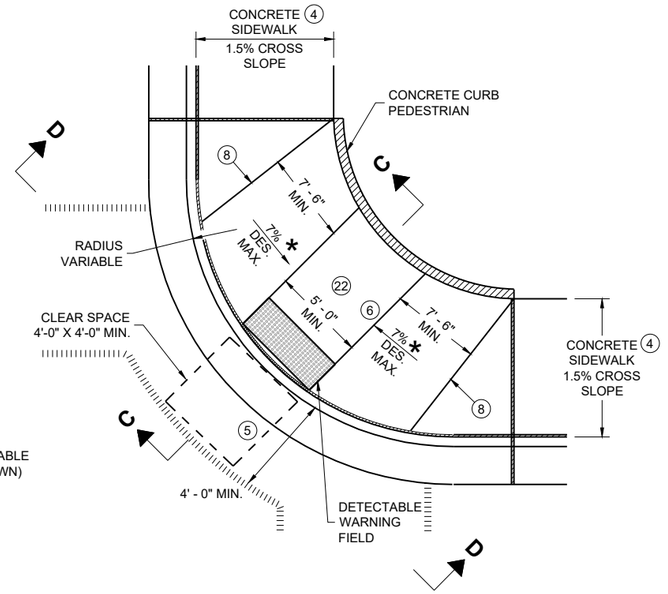
SDD 08D01-24b



PLAN VIEW

CURB RAMP TYPE 1

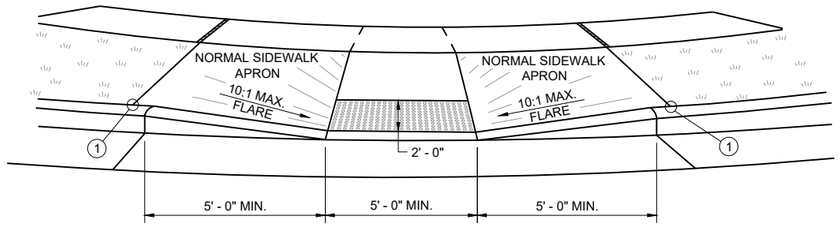
(CENTER OF CORNER RADIUS)



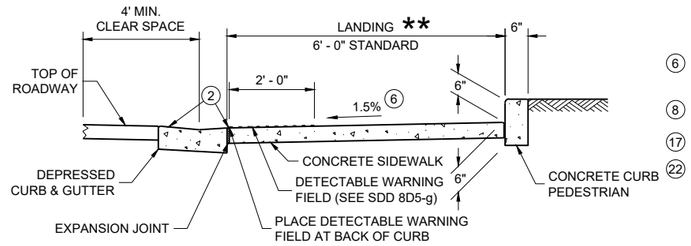
PLAN VIEW

CURB RAMP TYPE 1 - A

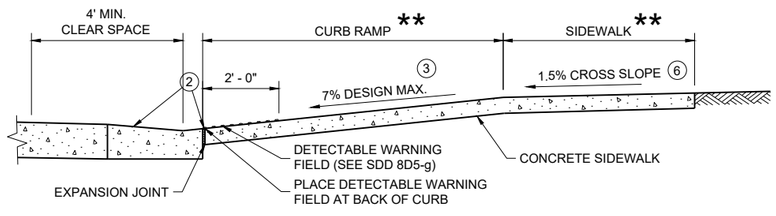
(NO TERRACE)



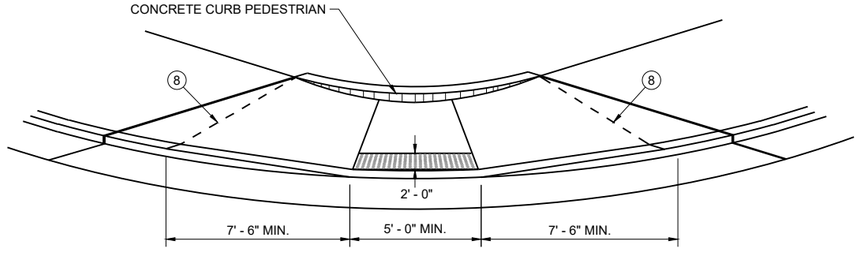
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE CURB RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF CURB RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE CURB RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

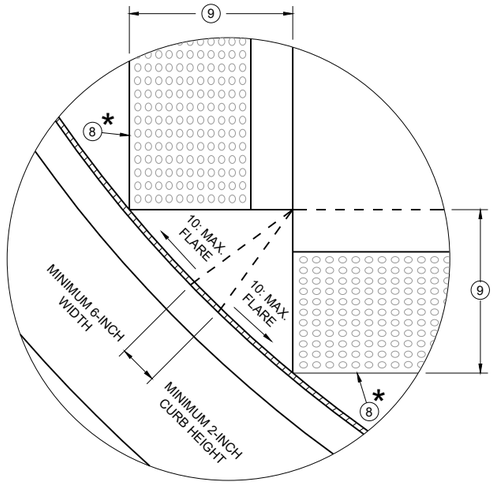
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

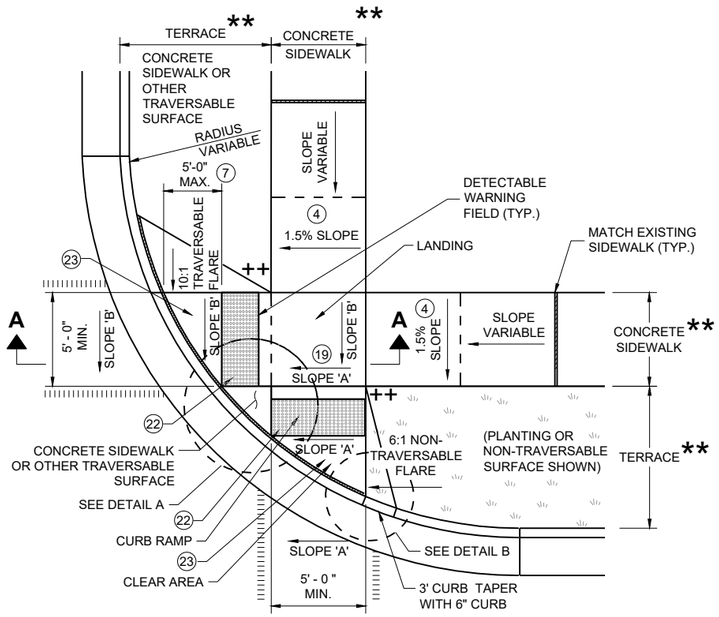
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



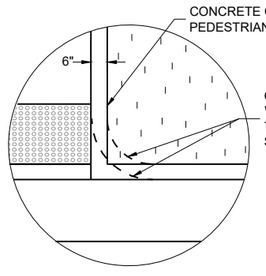
DETAIL A



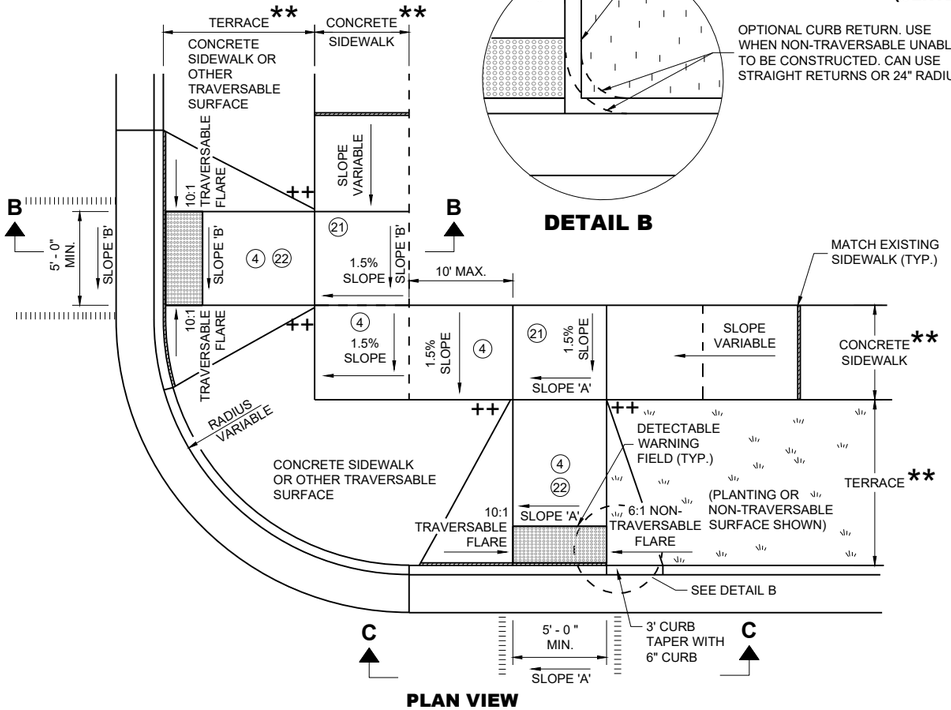
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



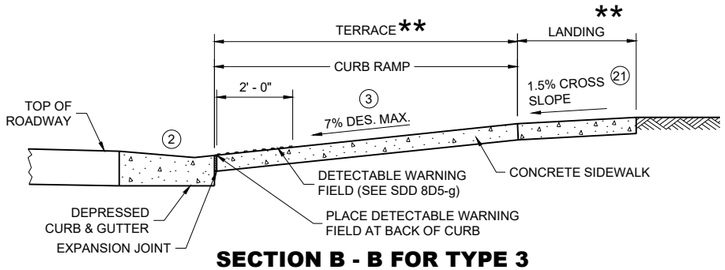
DETAIL B



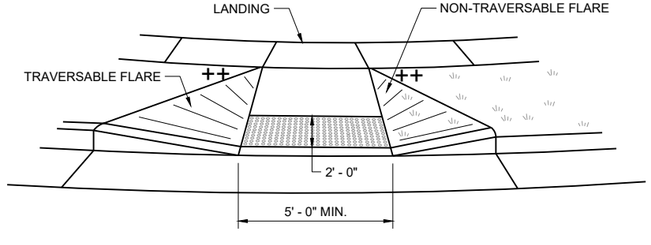
PLAN VIEW

CURB RAMP TYPE 3

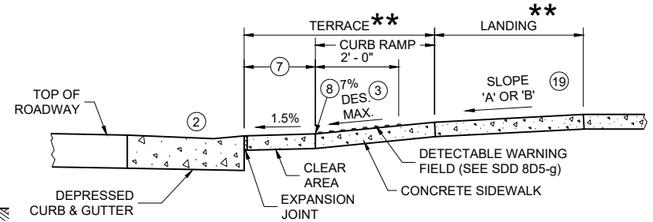
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

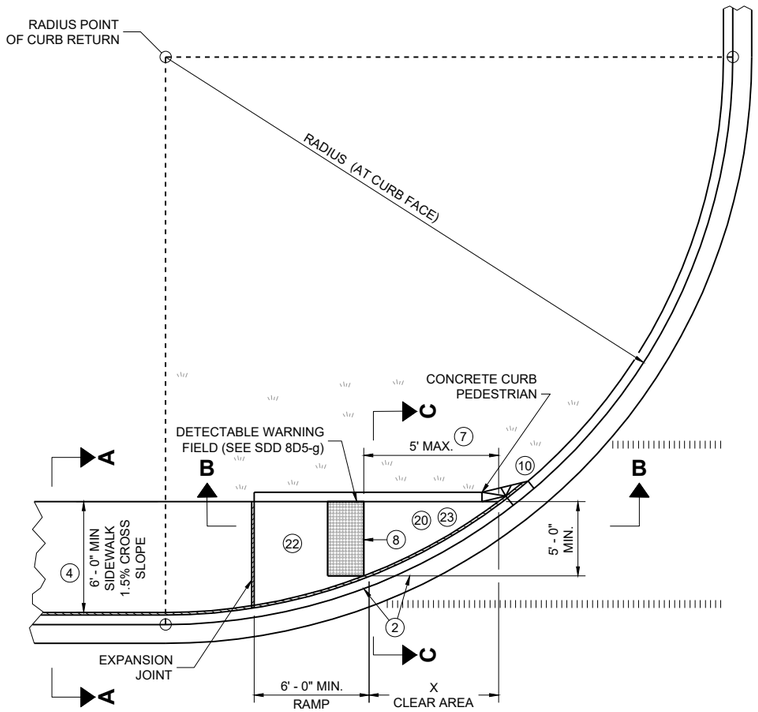
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-22b



PLAN VIEW

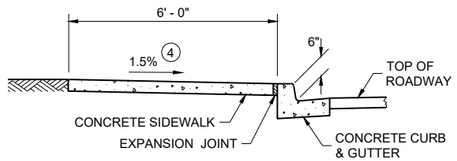
CURB RAMP TYPE 4A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

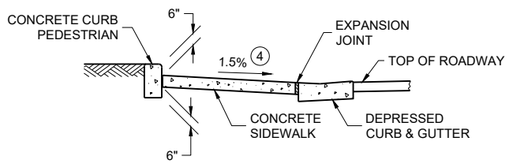
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

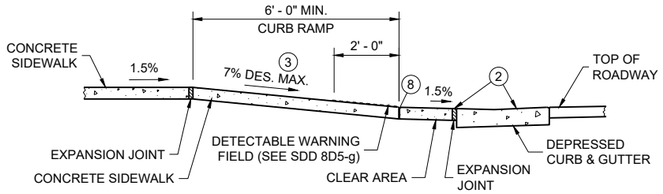
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

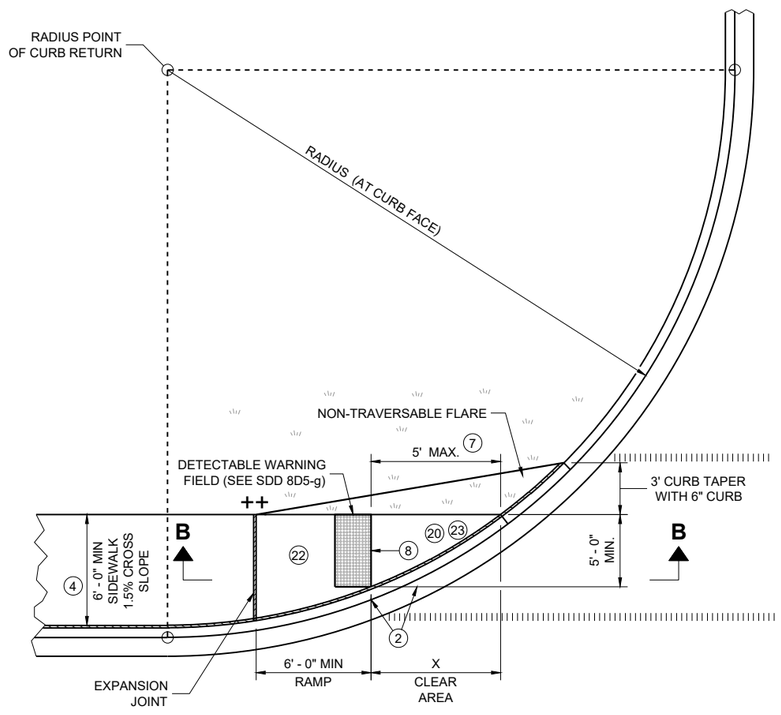
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION C - C FOR TYPE 4A

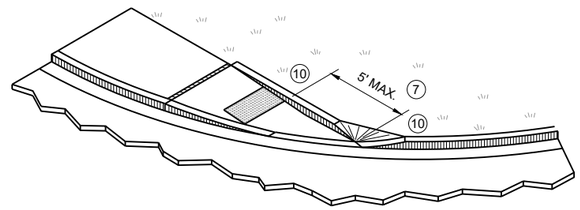


SECTION B - B FOR TYPE 4A AND TYPE 4A1

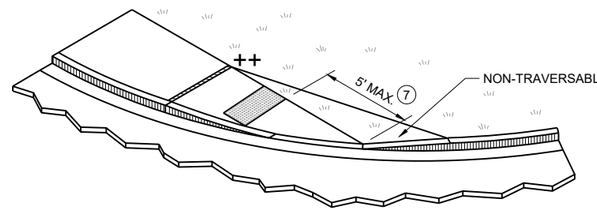


PLAN VIEW

CURB RAMP TYPE 4A1



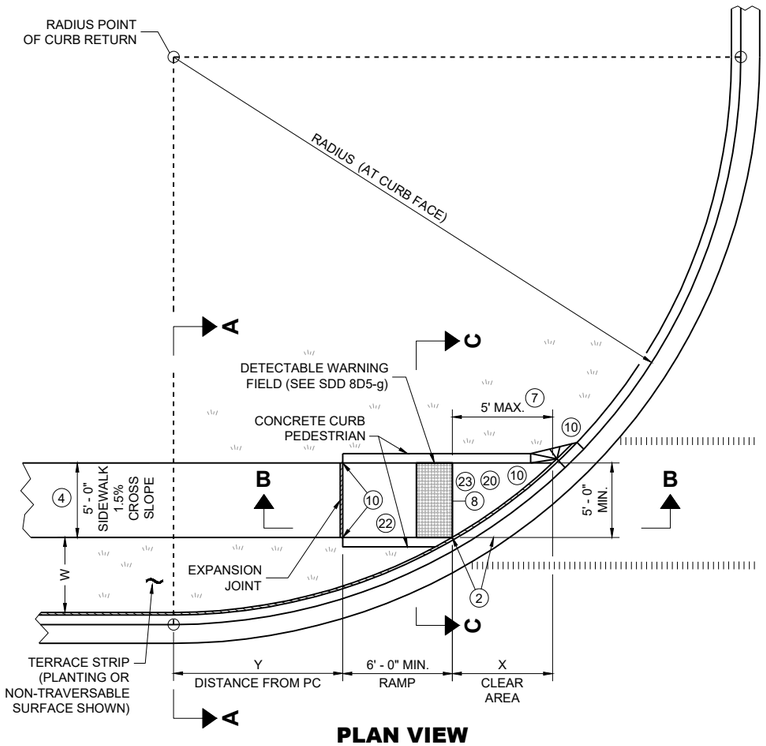
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

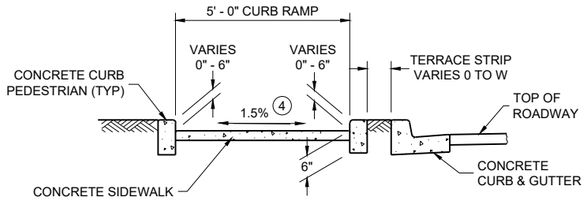
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

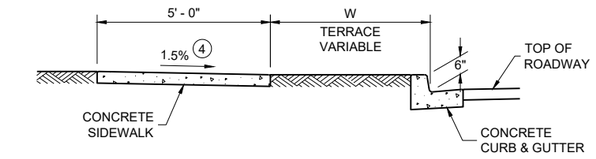
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

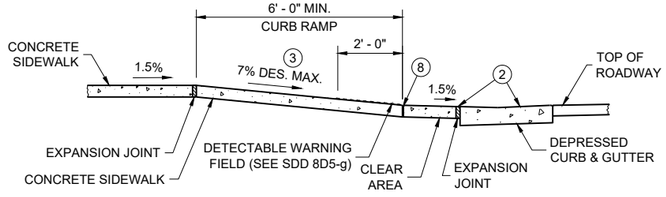
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

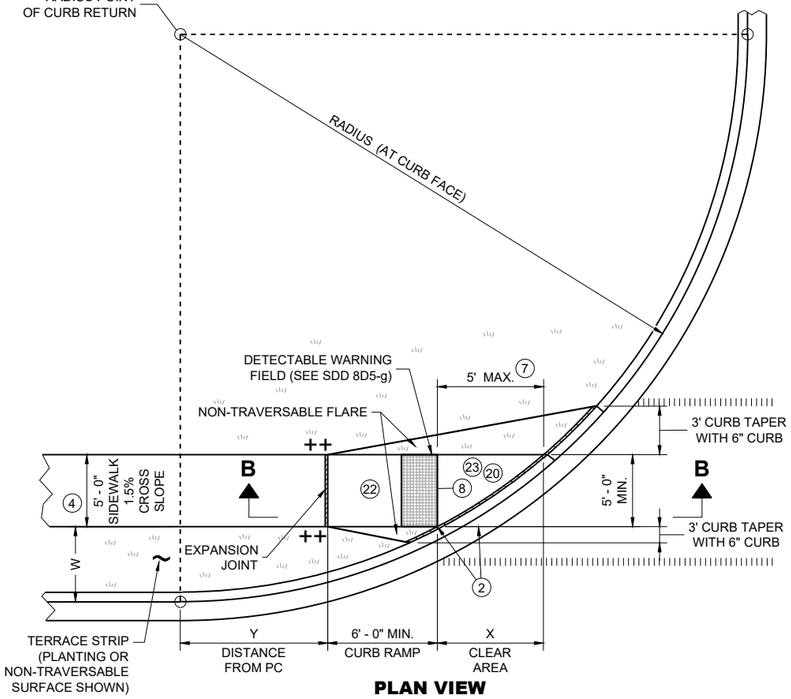
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



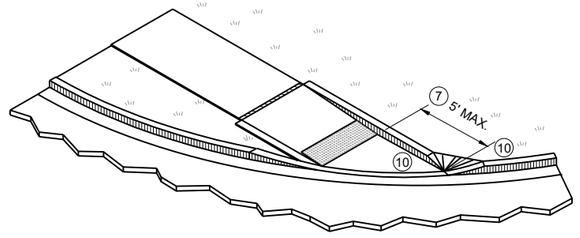
SECTION A - A FOR TYPE 4B



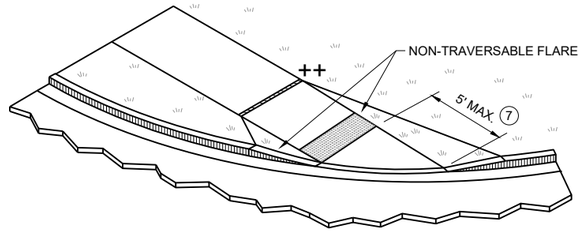
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



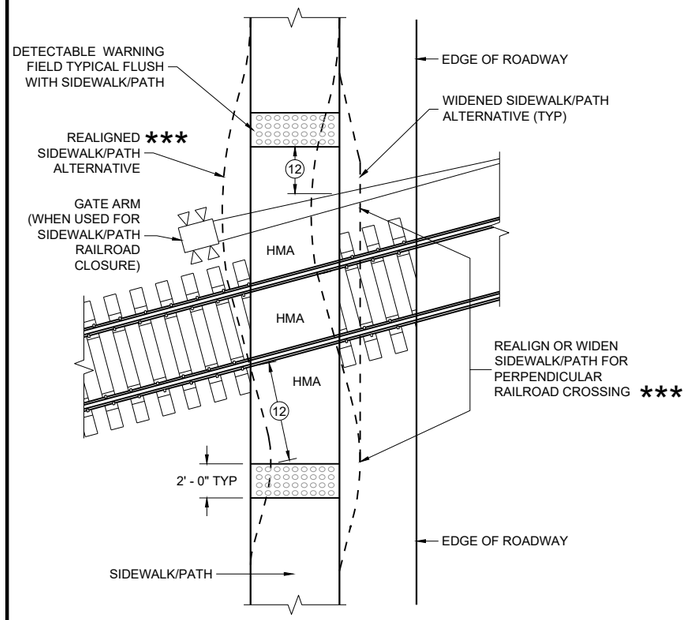
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

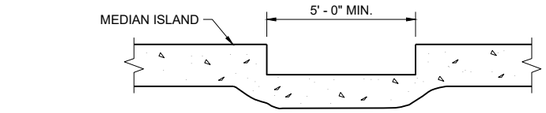
6

SDD 08D05-22d

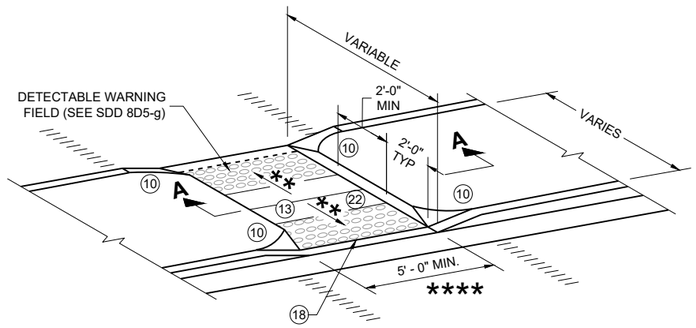


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

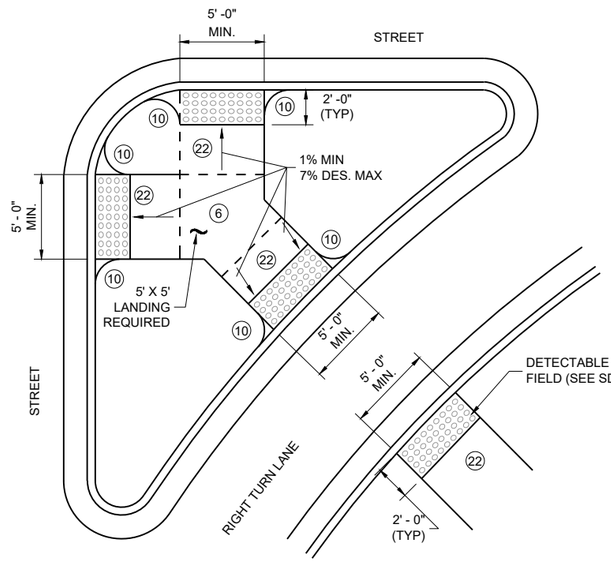
(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM AND 12 FEET MINIMUM, 15 FEET TYPICAL FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

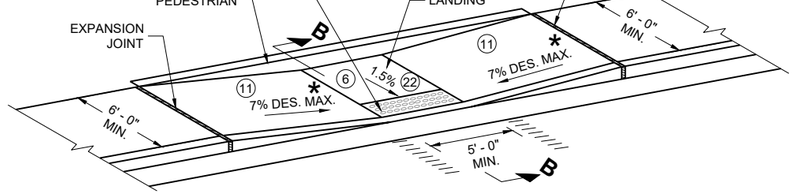
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 6

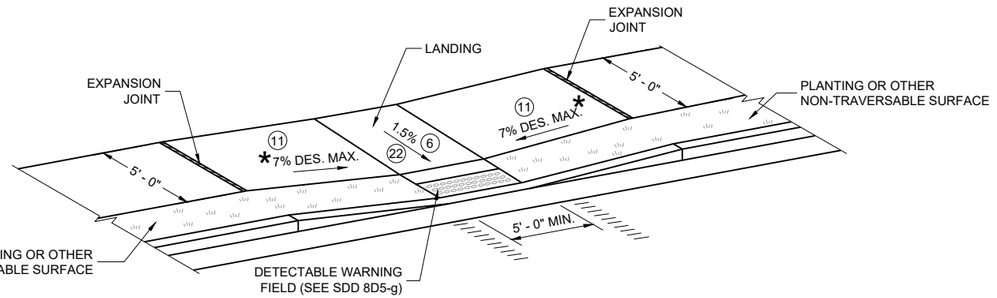
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

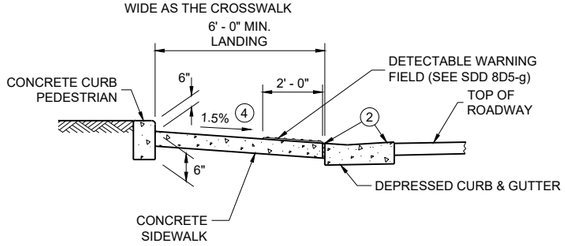


CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT FIELD LOCATED
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 8.3%
**	1% MINIMUM (PROVIDE DRAINAGE)
***	DETAILS TO BE DETERMINED BY ENGINEER
****	FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

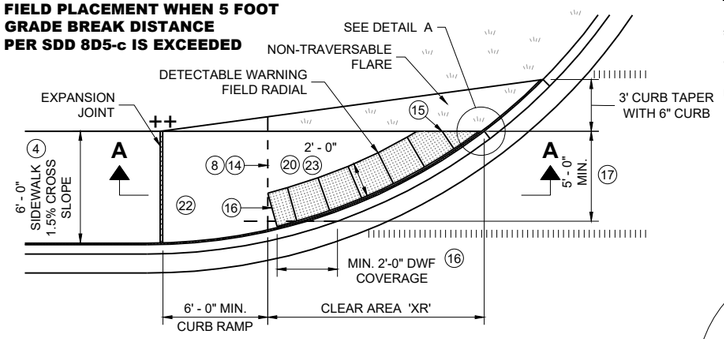


SECTION B - B FOR TYPE 7A

CURB RAMPS
TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

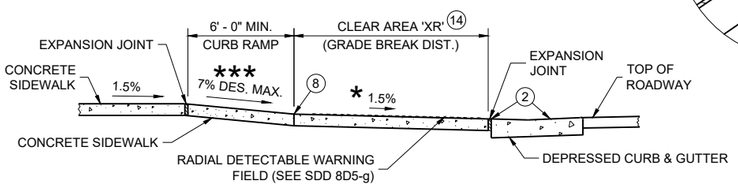
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

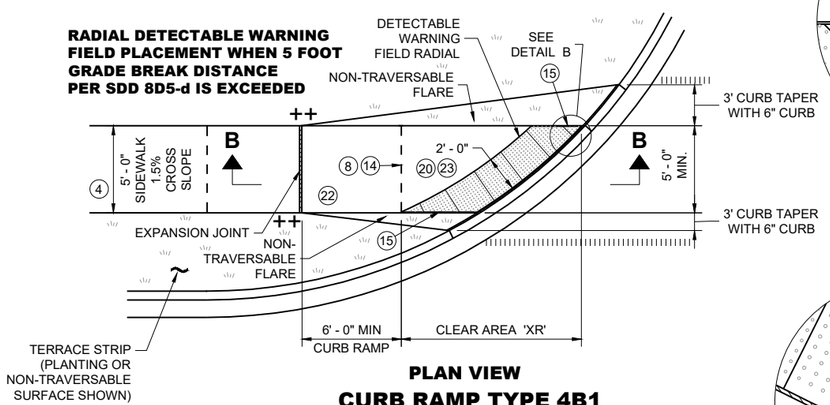
CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

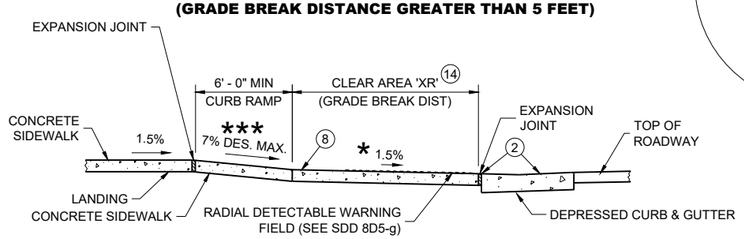
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4B1

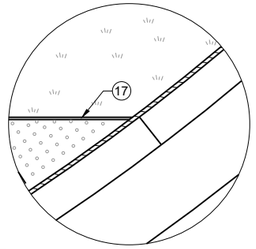
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



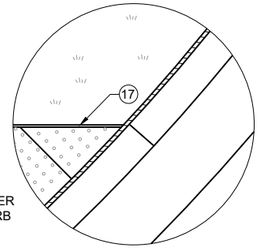
SECTION B - B FOR TYPE 4B1

LEGEND

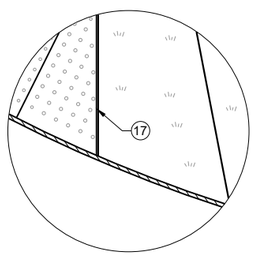
═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A



DETAIL B



DETAIL C

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF CURB RAMP ACCESS AREAS.

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

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

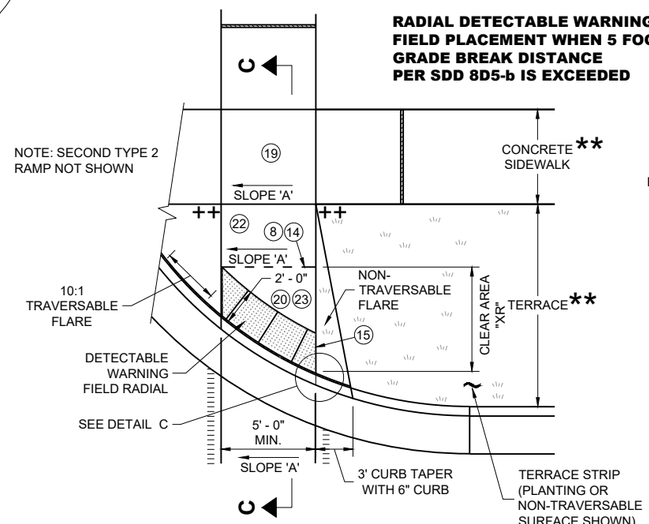
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

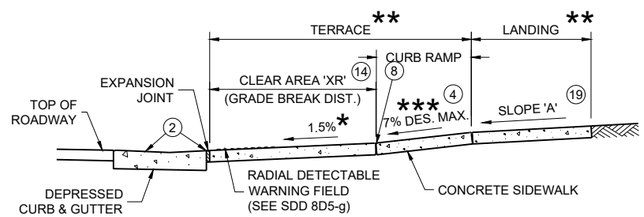


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



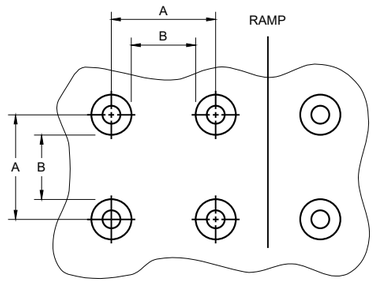
SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

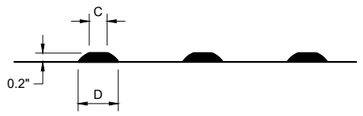
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

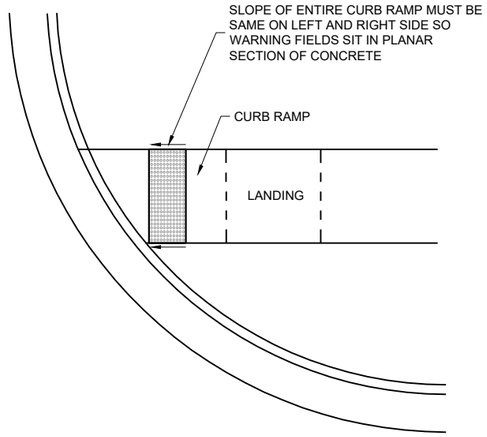
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

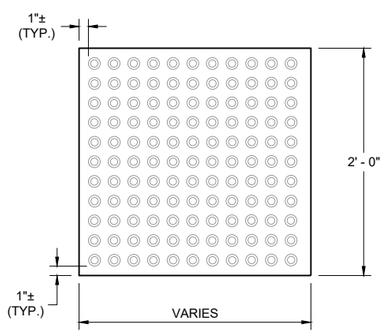
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

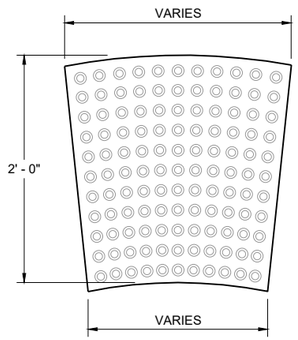
DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

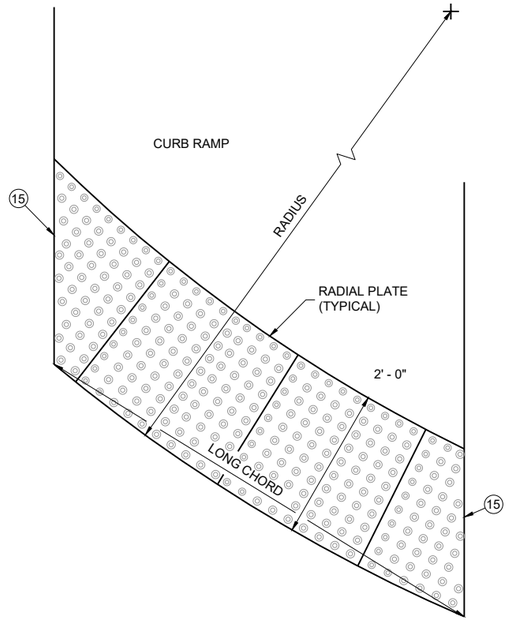


RECTANGULAR PLATES

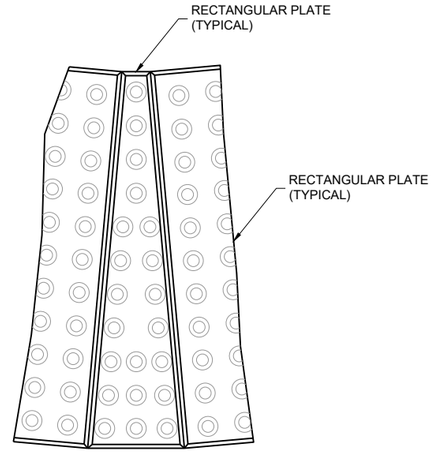


RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

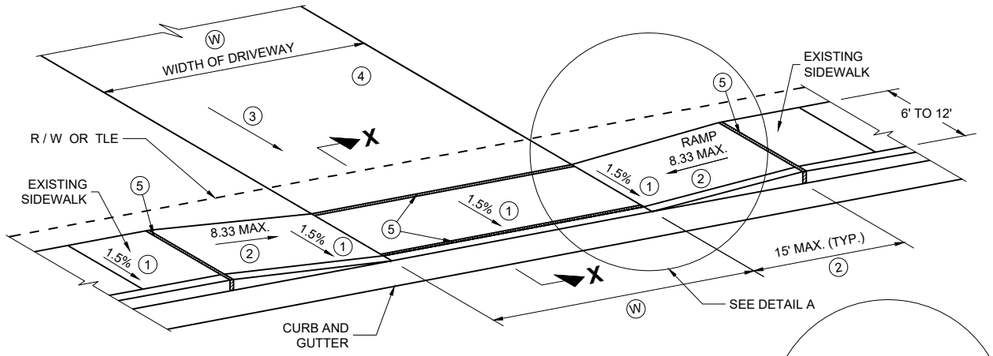
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

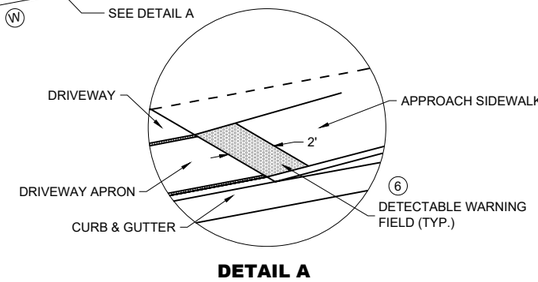
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>

FHWA

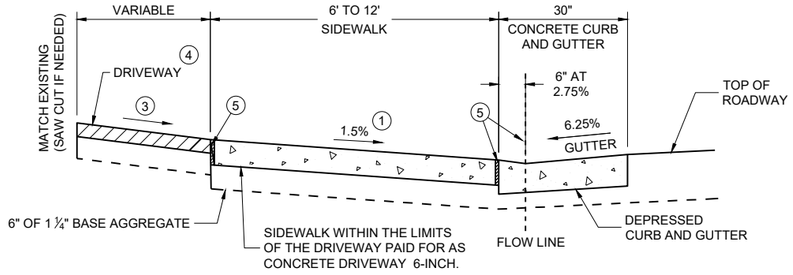
6
SDD 08D05-22g



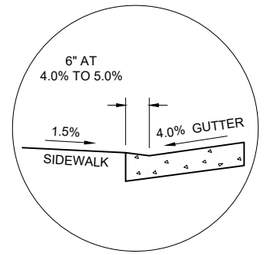
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X



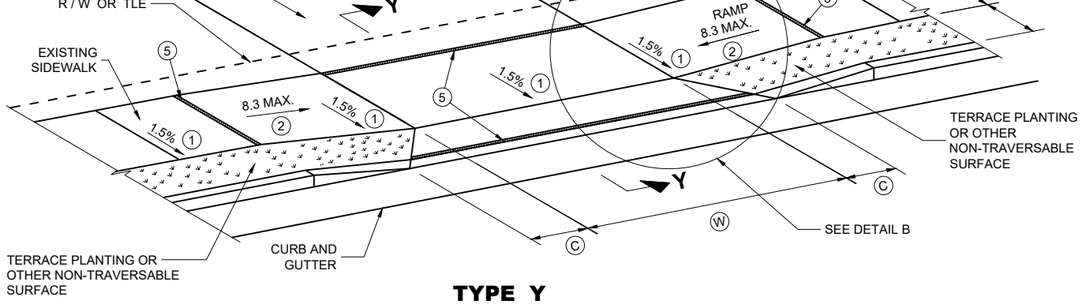
SECTION X - X
4% GUTTER SLOPE

Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)

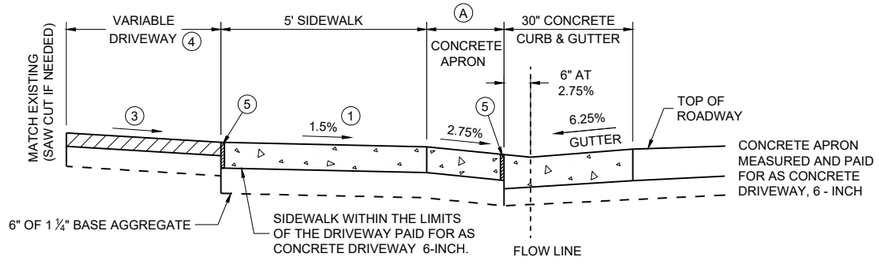
TABLE Y

Ⓐ FEET	Ⓒ FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

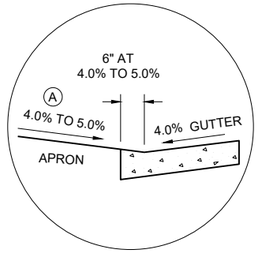


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

Ⓐ:MEASURE FROM BACK OF CURB



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS



SECTION Y - Y
4% GUTTER SLOPE

SECTION Y - Y
DRIVEWAY DETAIL WITH CONCRETE CURB AND GUTTER
(URBAN AND SUBURBAN)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

① CONSTRUCTION TOLERANCE OF 0.5%± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

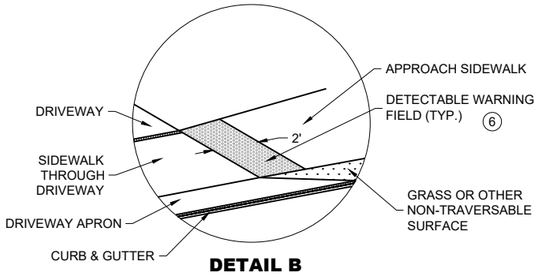
② THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

③ DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

④ DRIVEWAY TYPES
* 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
* 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
* 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES.)

⑤ 1/2" EXPANSION JOINT FILLER

⑥ DETECABLE WARNING FIELDS ARE REQUIRED WHEN A PEDESTRIAN CIRCULATION ROUTE CROSSES A DRIVEWAY THAT IS TRAFFIC SIGNAL, STOP, OR YIELD SIGN CONTROLLED. DETECTABLE WARNING FIELDS TO BE 2 FT DEEP AND EXTEND THE WIDTH OF THE PEDESTRIAN CIRCULATION ROUTE.



DETAIL B

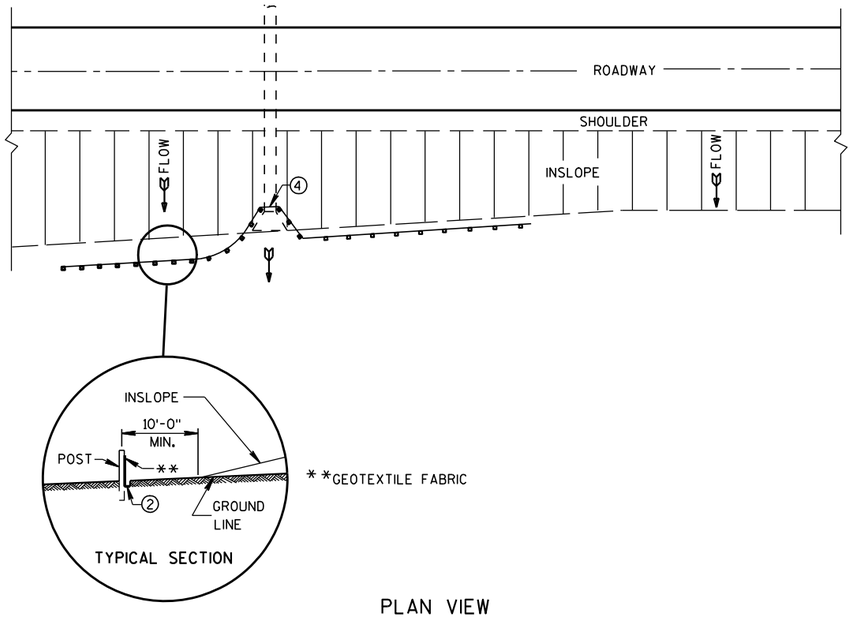
DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 (DATE)
/S/ Rodney Taylor

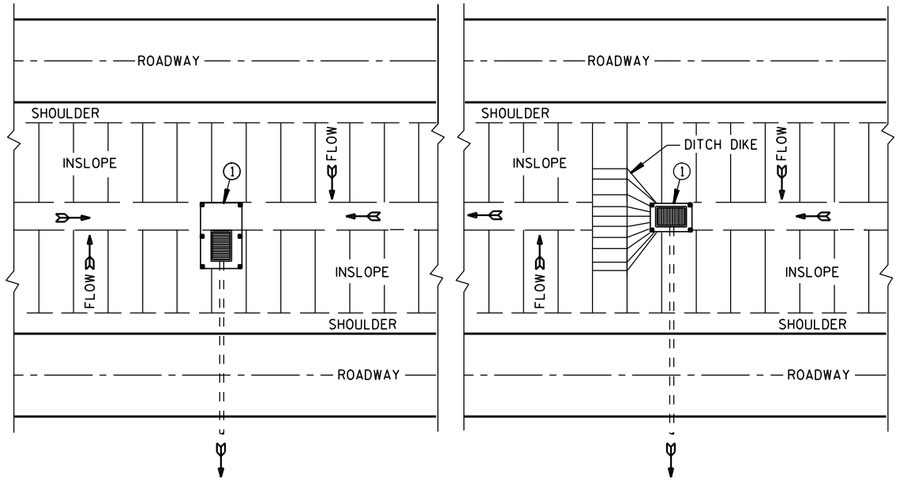
FHWA

6
SDD 08D18-05



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



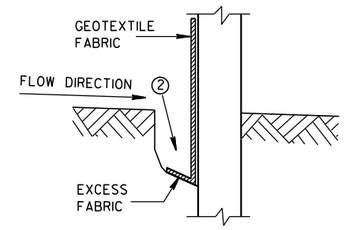
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

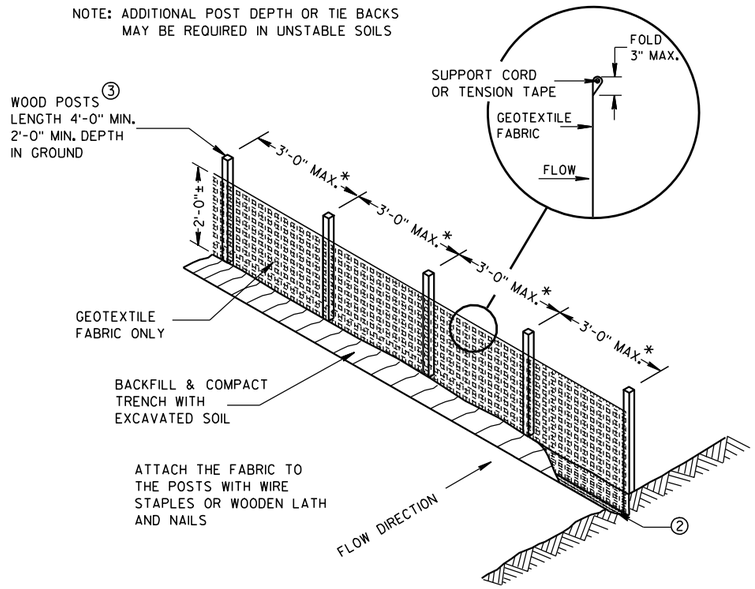
GENERAL NOTES

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.

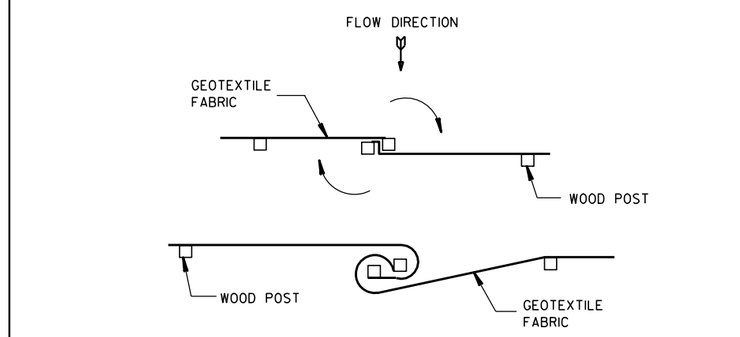


TRENCH DETAIL

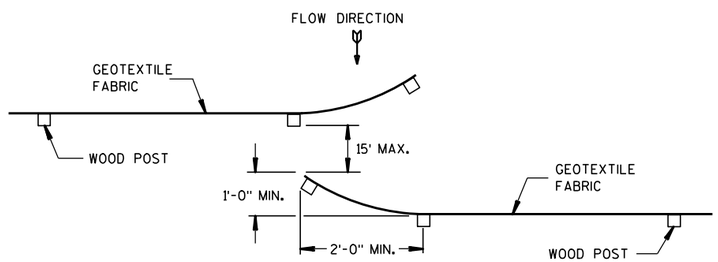


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

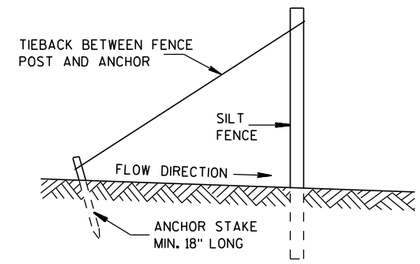


TWIST METHOD



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

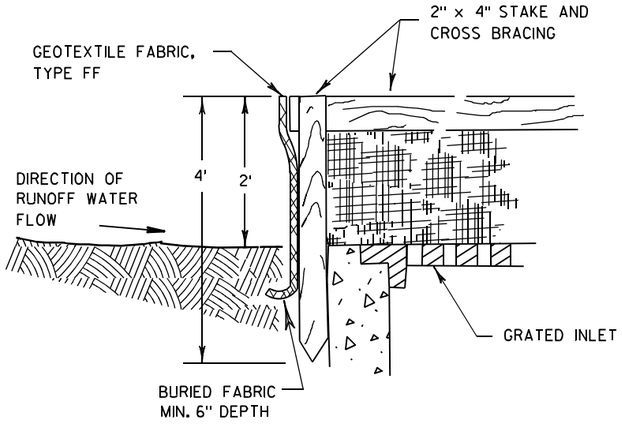
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

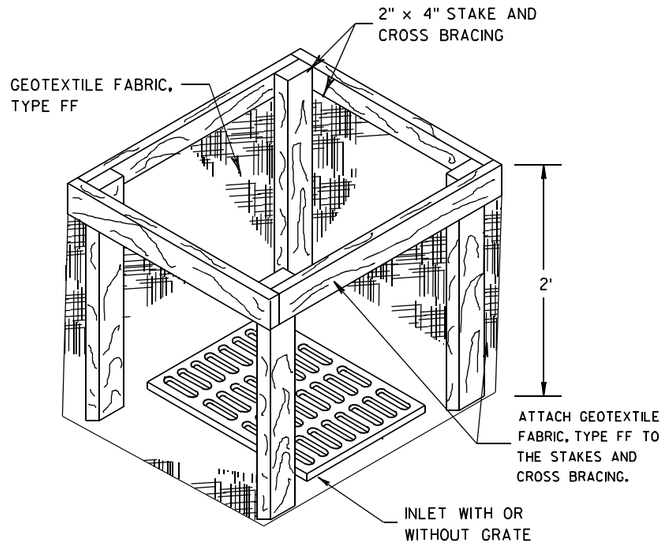
6

S.D.D. 8 E 9-6

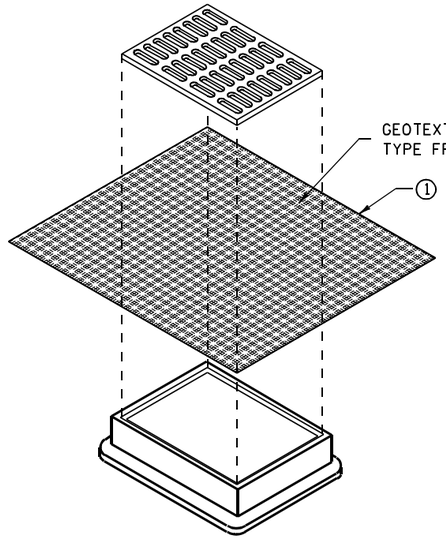
6

S.D.D. 8 E 9-6



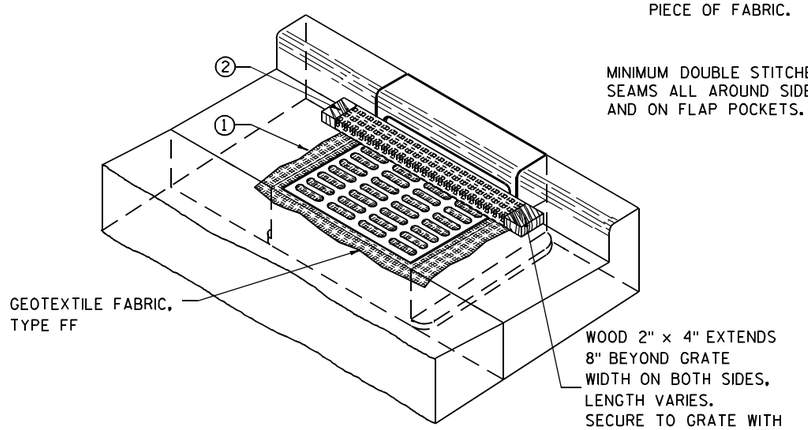


INLET PROTECTION, TYPE A

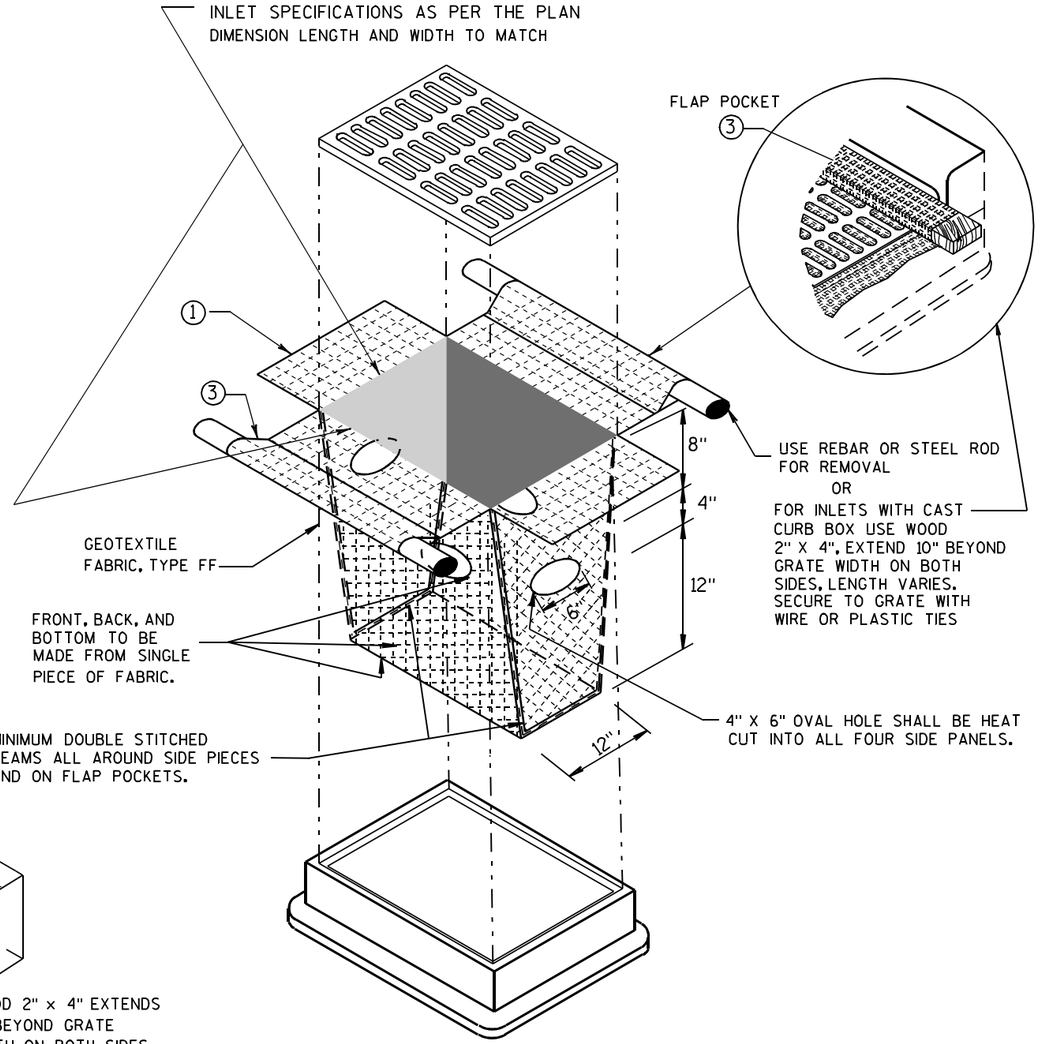


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

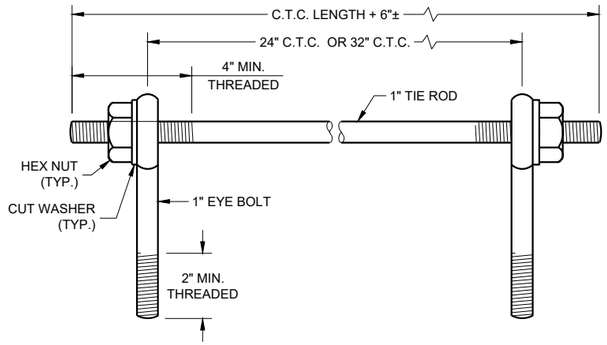
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

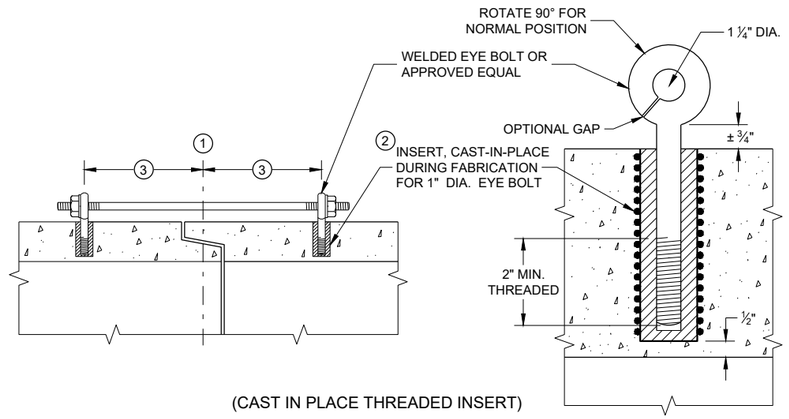
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 10-2



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

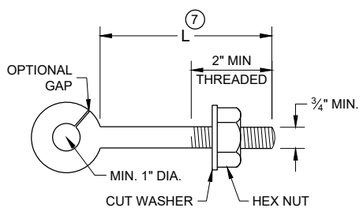
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

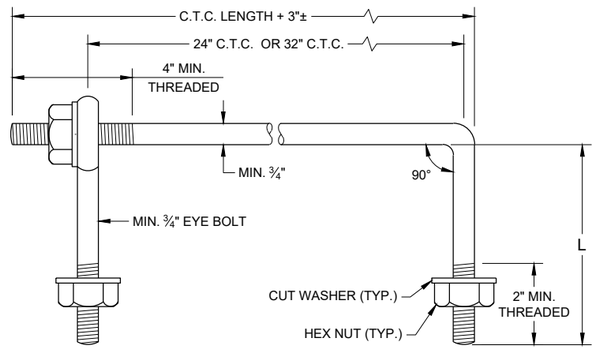
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

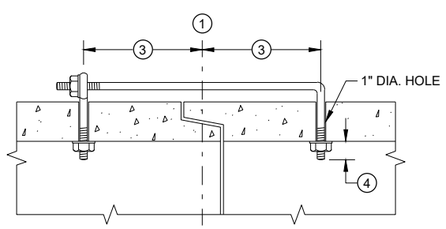


EYE BOLT (7)

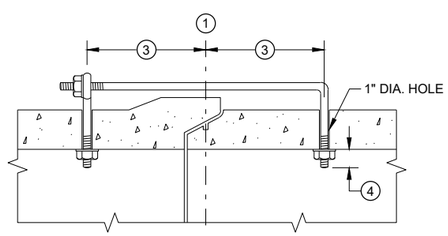
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

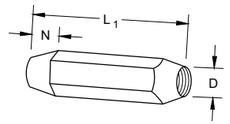
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

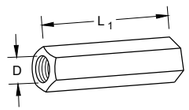
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



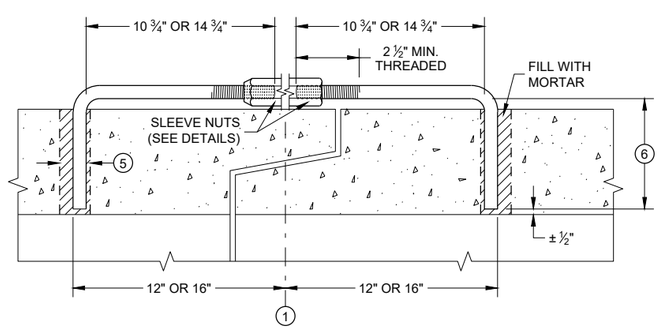
TAPERED



PLAIN

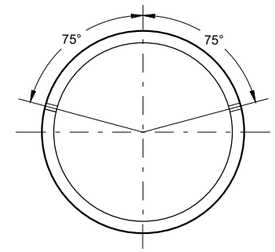
RIGHT AND LEFT THREADS

SLEEVE NUTS



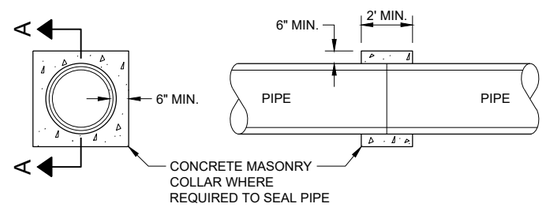
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

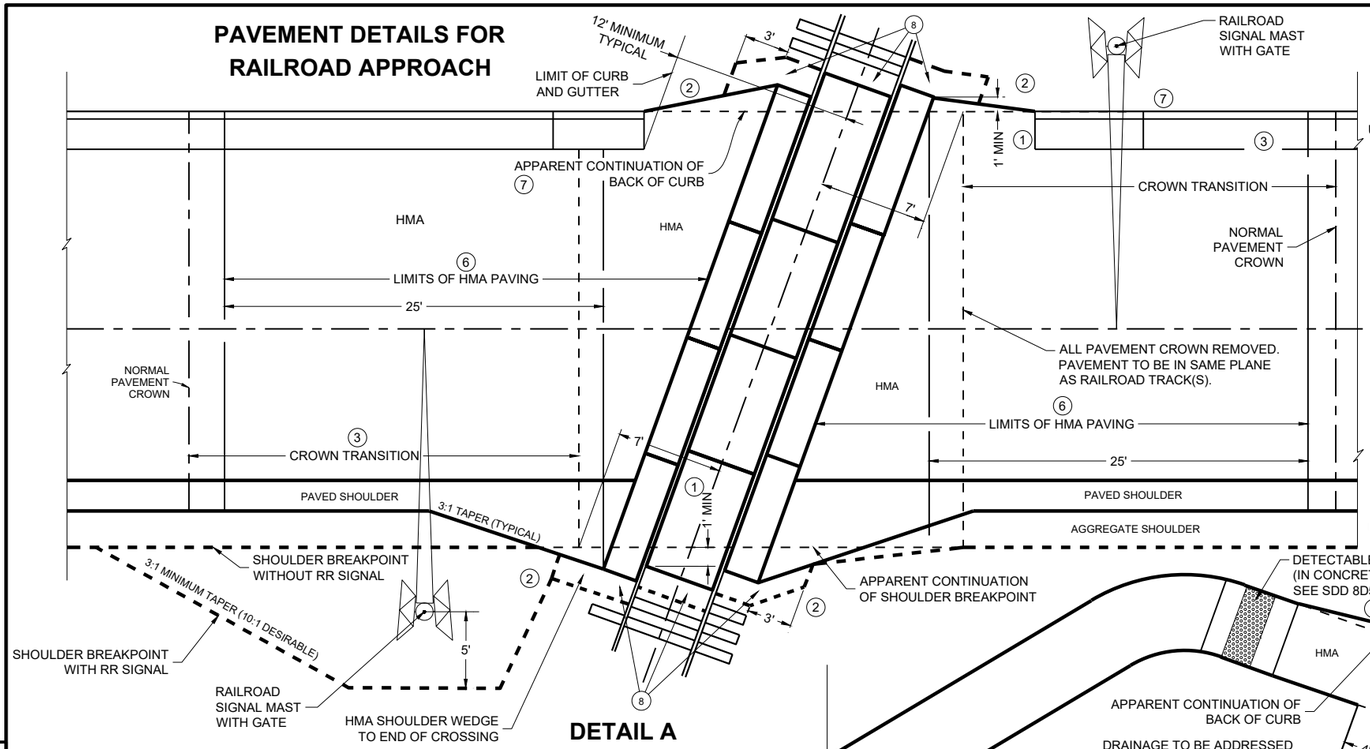
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 08F04 - 08

SDD 08F04 - 08

PAVEMENT DETAILS FOR RAILROAD APPROACH



DETAIL A
RAILROAD APPROACH

GENERAL NOTES CONTINUED

(1) 1' MINIMUM CROSSING SURFACE COVERAGE PAST THE APPARENT CONTINUATION OF SHOULDER BREAKPOINT, BACK OF CURB, OR OUTSIDE EDGE OF SIDEWALK/PATH. INDIVIDUAL RAILROADS MAY HAVE DIFFERENT MINIMUM STANDARDS.

(2) HMA FLARE FROM OUTSIDE EDGE OF SIDEWALK/PATH, BACK OF CURB, OR AGGREGATE SHOULDER BREAKPOINT TO THE END OF CROSSING SURFACE MATERIAL.

(3) CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.

(4) NEAR EDGE OF PATH TO THE CENTER OF SIGNAL OR GATE MAST SHOULD BE A MINIMUM OF 5'-0". FOR SIDEWALK, THE NEAR EDGE SHOULD BE A MINIMUM OF 3'-0" TO THE CENTER OF SIGNAL OR GATE. NEAR EDGE OF SIDEWALK TO A NON-GATED MAST OR CANTILEVER SHOULD BE A MINIMUM OF 2'-6". SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATION IF THEY ARE NOT ALREADY INSTALLED.

(5) TERRACE WIDTH VARIES. SEE PLAN FOR RAILROAD SIGNAL AND GATE LOCATIONS. PER PLAN OR PROJECT ENGINEER THE TERRACE AND SIDEWALK/PATH GRADES SHALL BE TRANSITIONED TO MATCH THE GRADE OF THE TRACK. FIELD FIT TO AVOID PONDING.

(6) 25' MINIMUM HMA PAVING MEASURED PARALLEL TO THE ROAD OR 10' MINIMUM MEASURED PERPENDICULAR TO THE TRACK FROM THE EDGE OF THE CROSSING SURFACE, WHICHEVER IS GREATER.

(7) REFERENCE SDD 8-D-01 END SECTION CURB AND GUTTER. MEDIAN END NEAR THE TRACK SHOULD BE PARALLEL TO THE TRACK. 6'-0" TAPER FOR A MEDIAN SHOULD BE REDUCED TO GET FULL HEIGHT CURB WHERE THE GATE COMES DOWN. DESIGN OPTION TO POUR MEDIAN TAPER IN ONE PIECE. BUILD PER PLAN UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL G.

GENERAL NOTES

PLANS AND SECTIONS ARE TYPICAL. DIMENSIONS VARY PER PROJECT.

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

CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS DIRECTED OTHERWISE. IF THE FINAL GRADES DON'T MATCH TO THE PLAN GRADES THEN GRADE ADJUSTMENTS WILL BE NECESSARY. CONFIRM NEW GRADES WITH PROJECT ENGINEER.

HMA PAVEMENT APPROACHES, HMA PAVEMENT CROSSING SURFACES, AND HMA FLANGEWAY/FIELD FILLERS TO BE REPLACED BY ROADWAY CONTRACTOR UNLESS DIRECTED OTHERWISE BY THE PLANS, SPECIAL PROVISIONS, RAILROAD ENGINEER, OR PROJECT ENGINEER.

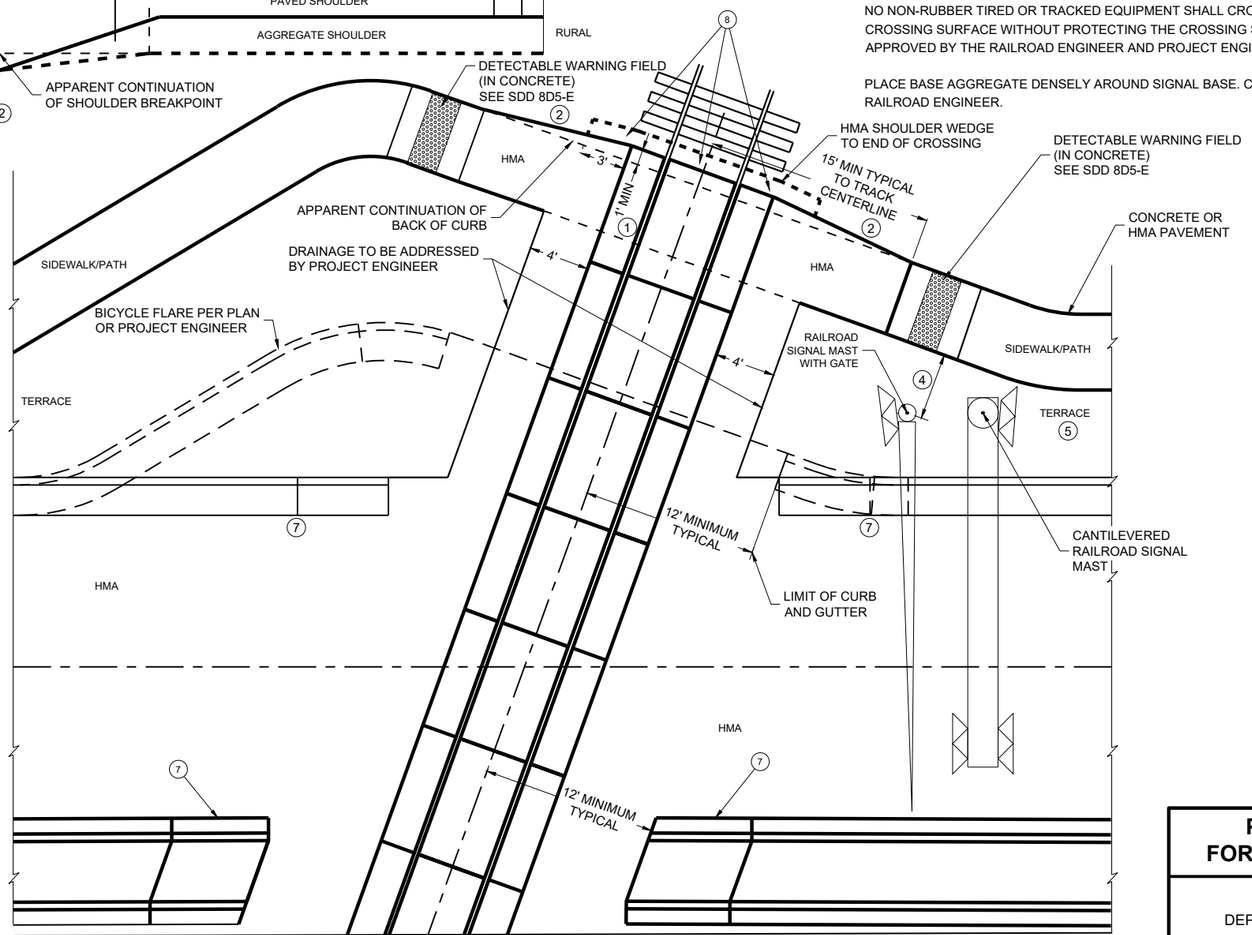
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

WHEN THERE IS A SIDEWALK OR SHARED-USE PATH, ADD DETECTABLE WARNING FIELDS PER CURRENT STANDARD DETAIL DRAWING 8D5-E.

THE CROSSING SHALL NOT BE OPENED TO ANY TYPE OF TRAFFIC UNTIL IT IS FULLY PAVED AND COOLED SUFFICIENTLY UNLESS OTHERWISE APPROVED BY THE RAILROAD ENGINEER AND THE PROJECT ENGINEER.

NO NON-RUBBER TIRED OR TRACKED EQUIPMENT SHALL CROSS OR SIT ON THE CROSSING SURFACE WITHOUT PROTECTING THE CROSSING SURFACE WITH A METHOD APPROVED BY THE RAILROAD ENGINEER AND PROJECT ENGINEER.

PLACE BASE AGGREGATE DENSELY AROUND SIGNAL BASE. COORDINATE WITH THE RAILROAD ENGINEER.



DETAIL B
MEDIAN AND SIDEWALK/SHARED-USE PATH APPROACH

PAVEMENT DETAILS FOR RAILROAD APPROACH

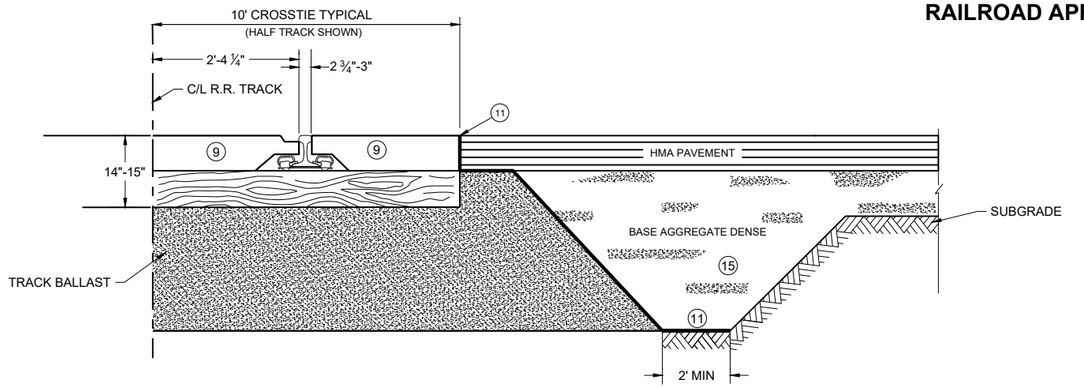
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

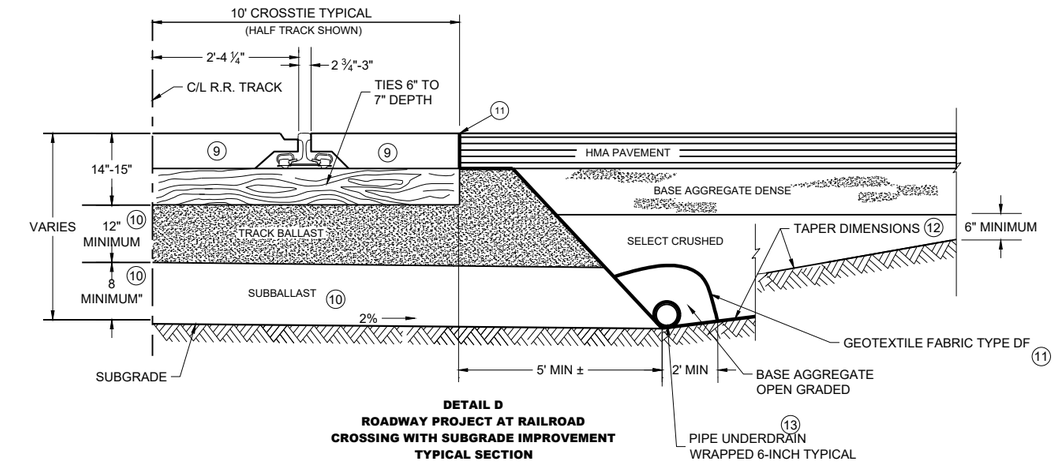
/S/ Kristen Sommers
STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

FHWA

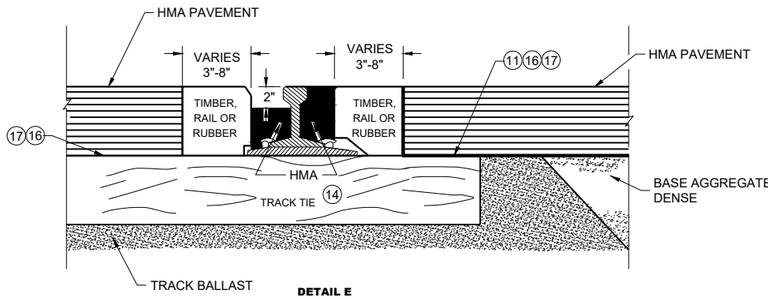
TYPICAL SECTIONS FOR RAILROAD APPROACH



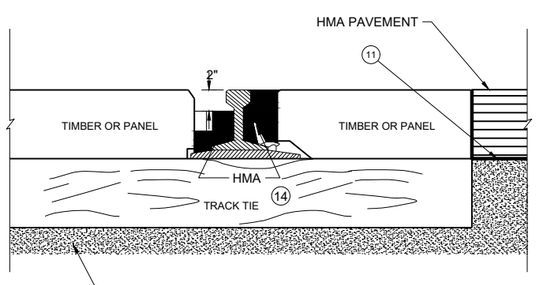
DETAIL C
ROADWAY PROJECT AT RAILROAD
CROSSING WITHOUT SUBGRADE IMPROVEMENT
TYPICAL SECTION



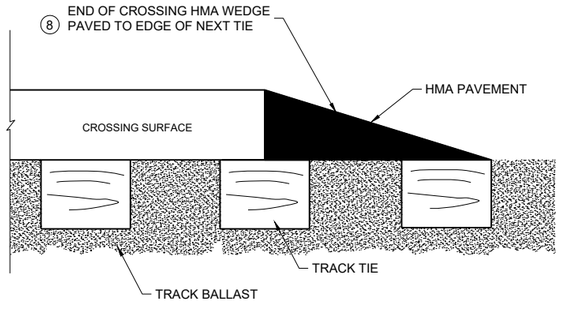
DETAIL D
ROADWAY PROJECT AT RAILROAD
CROSSING WITH SUBGRADE IMPROVEMENT
TYPICAL SECTION



DETAIL E
TIMBER, RAIL OR RUBBER SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL F
PANEL SECTION
HMA FLANGEWAY
AND FIELD FILLERS



DETAIL G
END OF CROSSING HMA WEDGE

GENERAL NOTES

(8) IF METAL END PLATES ARE NOT INSTALLED BY THE RAILROAD THEN HMA PAVEMENT WEDGE SHALL BE PLACED AT THE END OF THE LAST PANEL TAPERED TO BACK EDGE OF NEXT TIE AND THOROUGHLY COMPACTED. SEE DETAIL A AND B.

(9) MATCH THE CROSSING TYPE THAT IS INSTALLED UNLESS OTHERWISE DIRECTED BY PROJECT ENGINEER.

(10) TRACK BALLAST AND SUBBALLAST REQUIRED 12" AND 8" MINIMUM DEPTHS RESPECTIVELY. DIMENSION FROM BOTTOM OF TRACK TIE TO HIGH SIDE OF 2% SLOPE. THE 2% SLOPE IS REQUIRED ON RAILROAD SUBBALLAST. SEE PLAN FOR CROWN, MATERIAL THICKNESS, AND SLOPE DIRECTION. SUBBALLAST CAN BE HMA, 1 1/2" BASE AGGREGATE DENSE, SELECT CRUSHED, OR A COMBINATION OF THEM.

(11) GEOTEXTILE FABRIC TYPE SAS PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION ON TOP OF THE TRACK BALLAST WHERE IT IS UNDER HMA PAVEMENT, BASE AGGREGATE DENSE OR SELECT CRUSHED MATERIAL AND THE FIELD SIDE BALLAST CRIBS. GEOTEXTILE FABRIC TYPE DF PLACED IN ORDER TO PROVIDE STABILIZATION AND SEPARATION UNDER AND AROUND THE PIPE UNDERDRAIN. PLACING GEOTEXTILE FABRIC OR GEOGRID UNDER THE SUBBALLAST IS OPTIONAL.

(12) TAPER DIMENSIONS PROVIDED BY PLAN OR BY PROJECT ENGINEER.

(13) IF SHOWN ON THE PLAN, TYPICAL 6-INCH PERFORATED PVC SCHEDULE 80 PIPE UNDERDRAIN TO BE PLACED ALONG THE TOE OF SLOPE, GRADED TO DRAIN AND DAYLIGHT OR INTO STORM SEWER. BASE AGGREGATE OPEN GRADED OVER PIPE UNDERDRAIN AND THEN WRAPPED IN GEOTEXTILE FABRIC TYPE DF SCHEDULE A IN ORDER TO STABILIZE AND SEPARATE FROM SELECT CRUSHED.

(14) HMA FLANGEWAY AND FIELD FILLERS ARE TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR, WHEN NOT PROVIDED BY OTHERS AS PART OF THE CROSSING SURFACE MATERIAL. IF THE CROSSING SURFACE IS NOT BEING REPLACED, THEN REMOVE AND REPLACE THE HMA FLANGEWAY AND FIELD FILLERS AS DIRECTED BY THE RAILROAD OR PROJECT ENGINEER.

(15) GRADE TO MATCH EXISTING OR PROPOSED TYPICAL SECTION OF ROADWAY. SEE PLAN OR PROJECT ENGINEER FOR MORE DETAIL. IF NOT NOTED OTHERWISE IN THE PLAN, BACKFILL ANY REMOVED BASE AND SUBGRADE WITH BASE AGGREGATE DENSE.

(16) IF THE CROSSING IS NOT BEING REPLACED, REMOVE AND REPLACE HMA AS DIRECTED BY RAILROAD AND PROJECT ENGINEER. CARE MUST BE TAKEN TO NOT DAMAGE CROSSING PANELS, TIES, RAIL, PLATES AND SPIKES.

(17) PLACE HMA FULL DEPTH. AGGREGATE IS NOT TO BE PLACED BETWEEN THE RAILROAD TIES AND THE HMA PAVEMENT.

TYPICAL SECTIONS FOR RAILWAY APPROACH

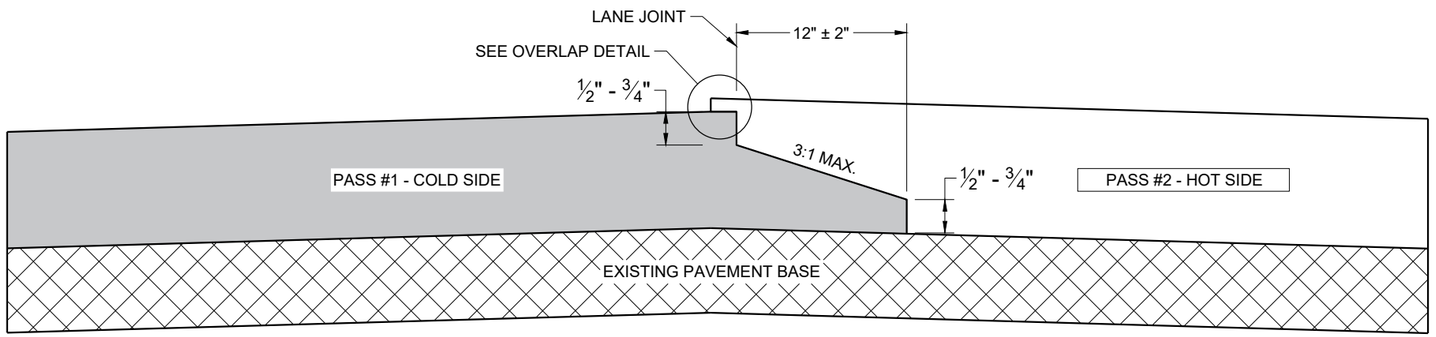
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

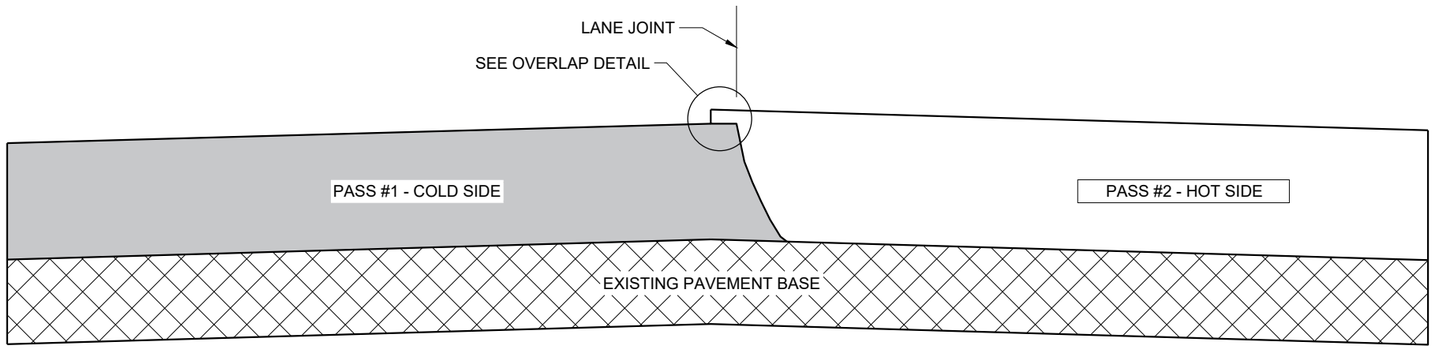
/S/ Kristen Sommers
STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

FHWA

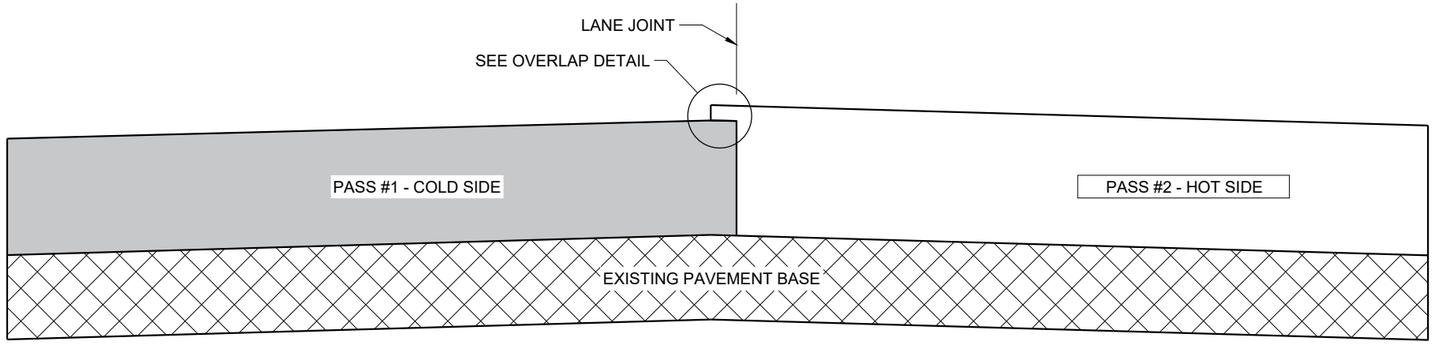
6
SDD 13B01-11b



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

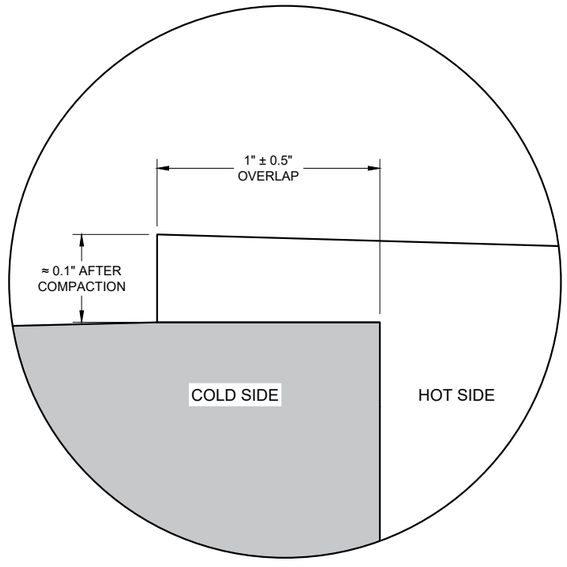
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

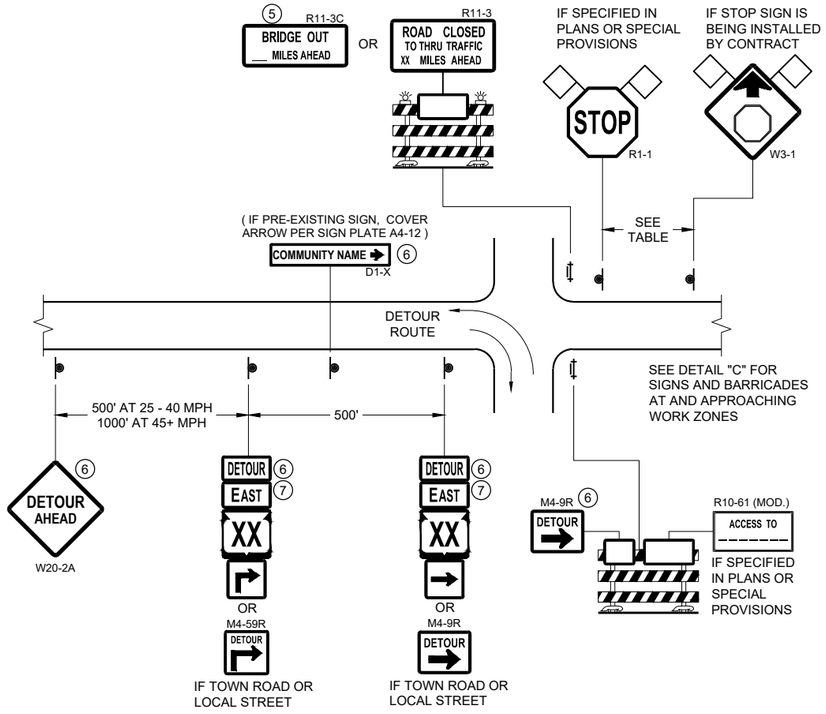
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

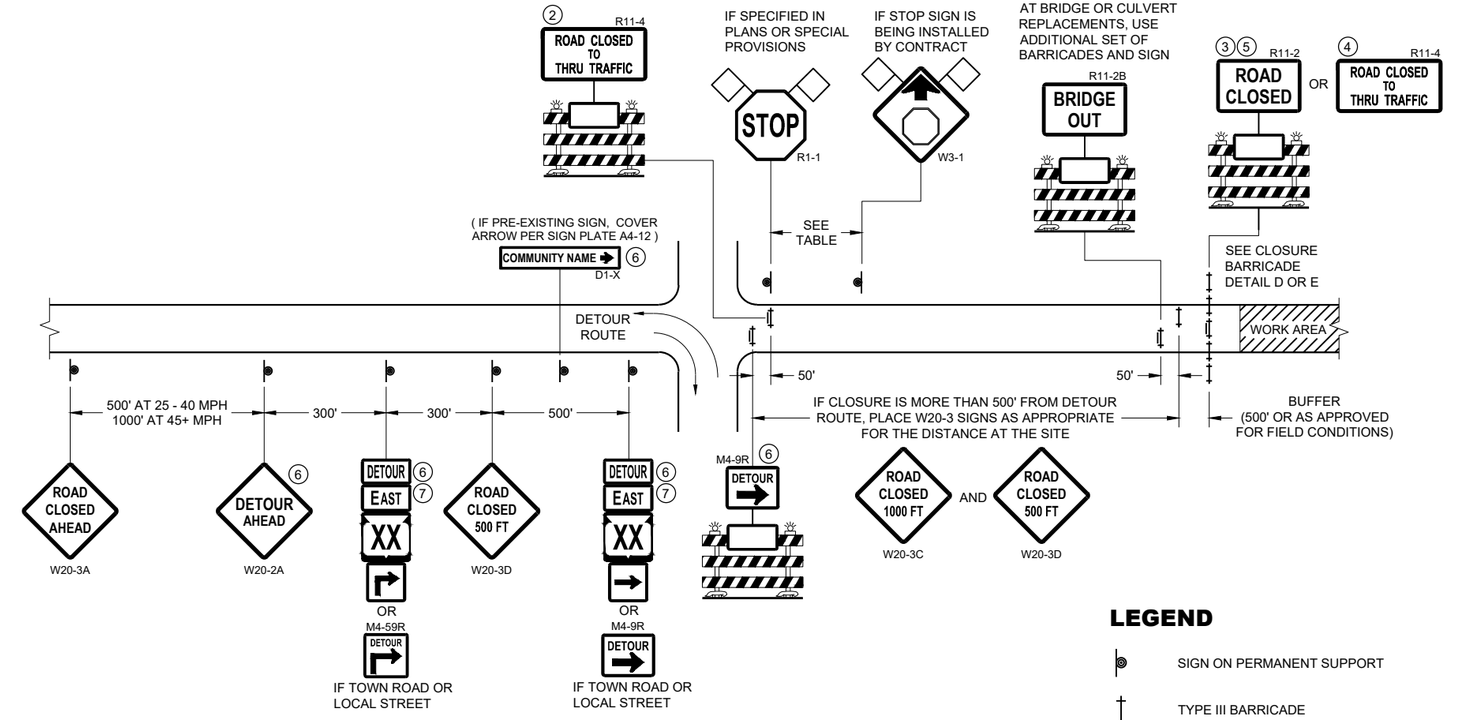
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



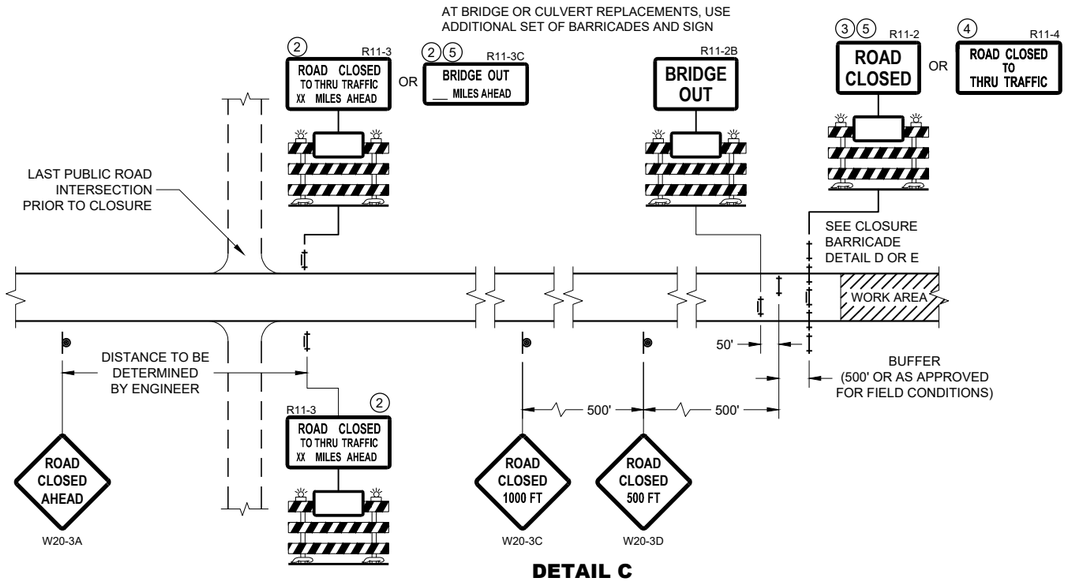
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

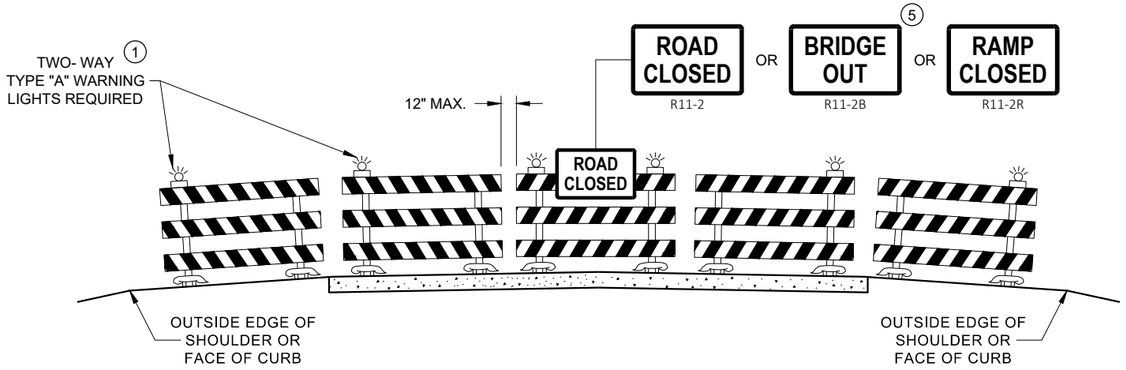
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

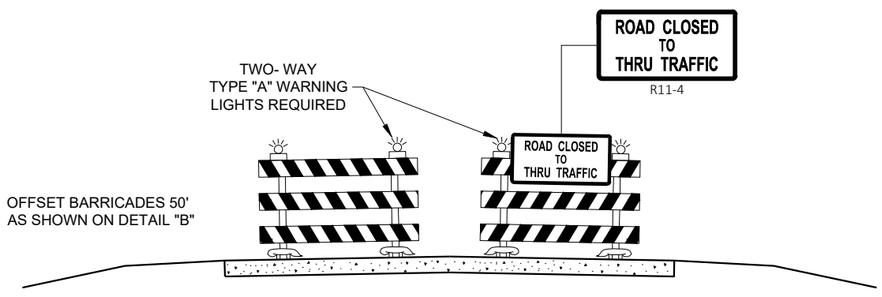
FHWA

6

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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.

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

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 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 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

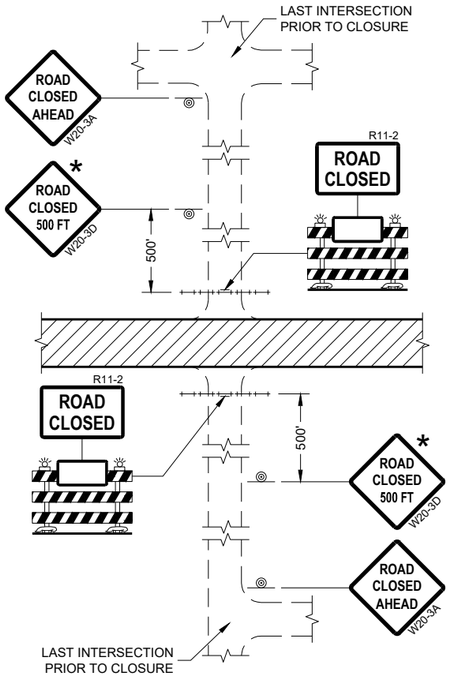
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

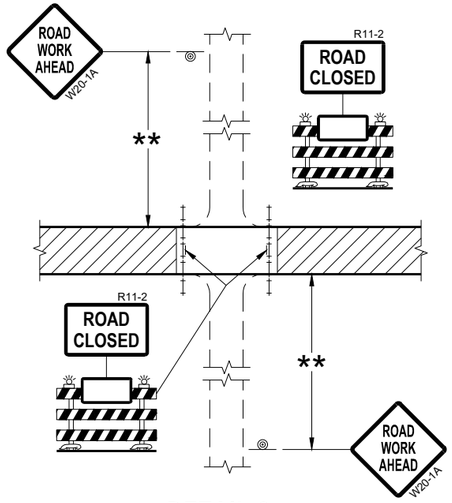
SDD 15C02 - 09b

6

SDD 15C02 - 09b



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

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

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.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES 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.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

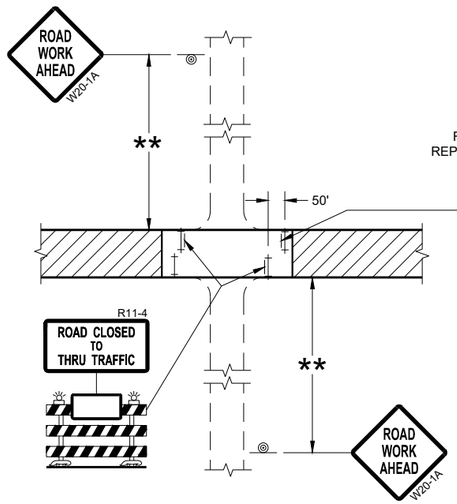
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

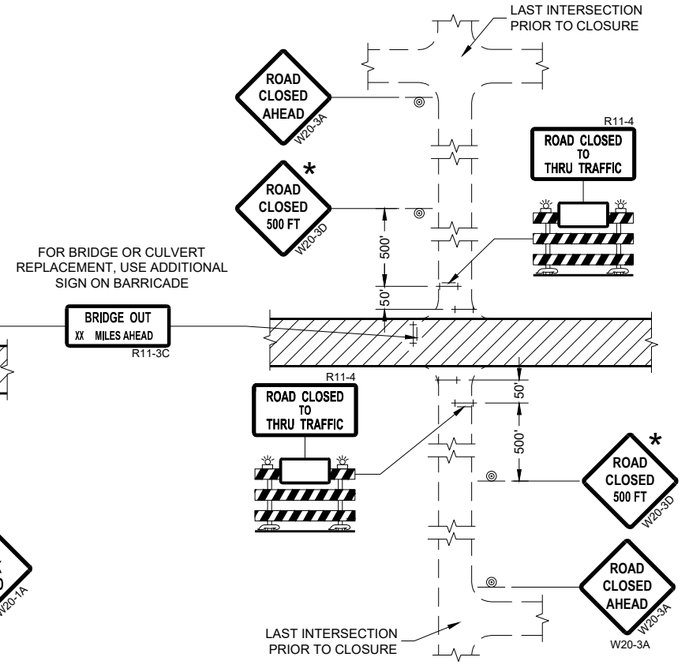
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C03 - 05

SDD 15C03 - 05

GENERAL NOTES

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

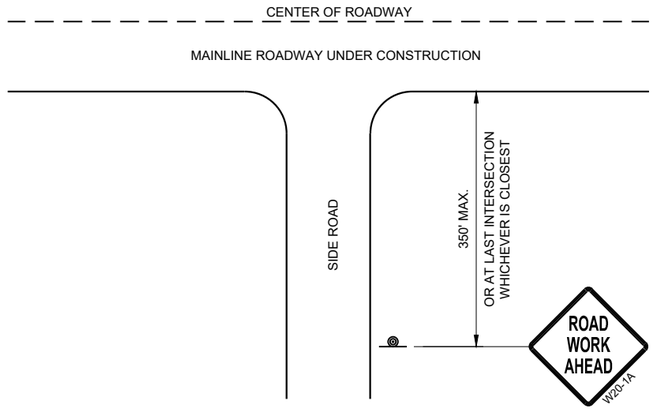
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

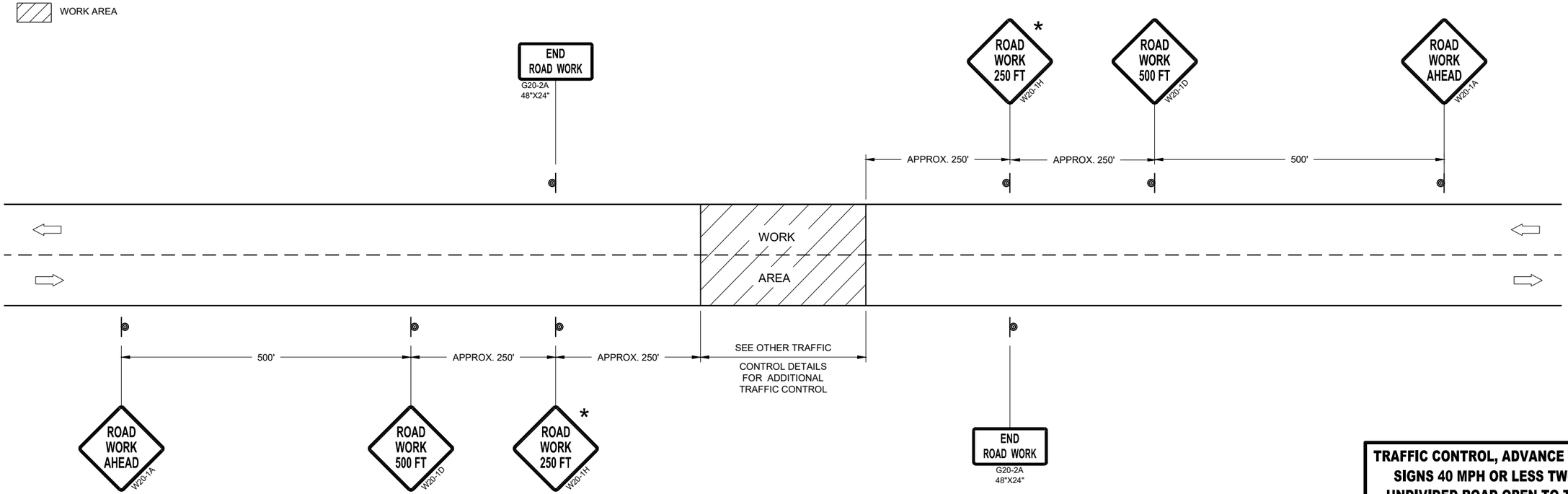
* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

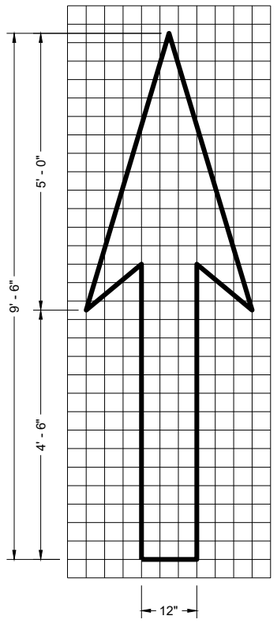
FHWA

6

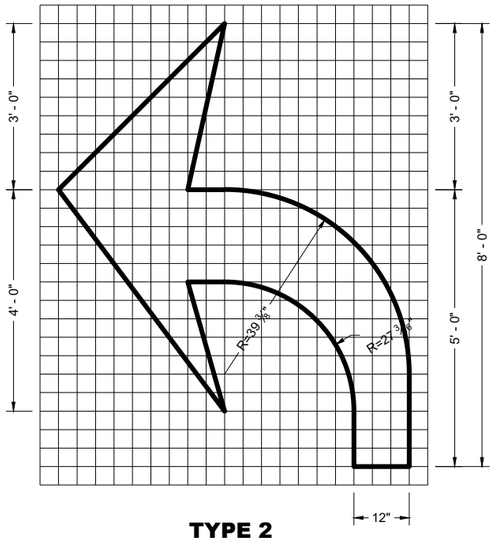
SDD 15C05 - 05

GENERAL NOTES

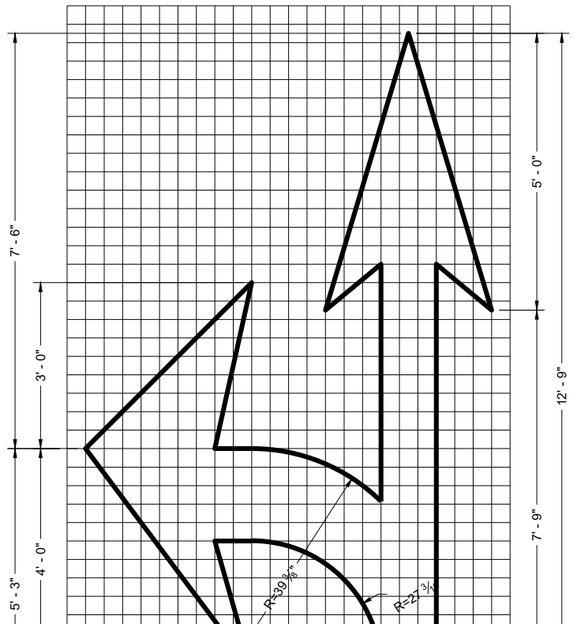
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



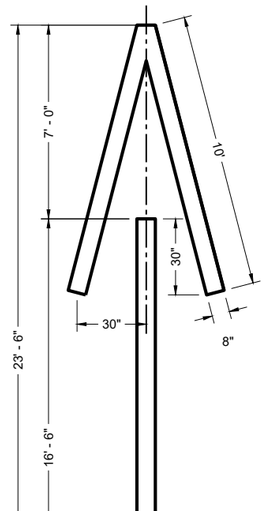
TYPE 1



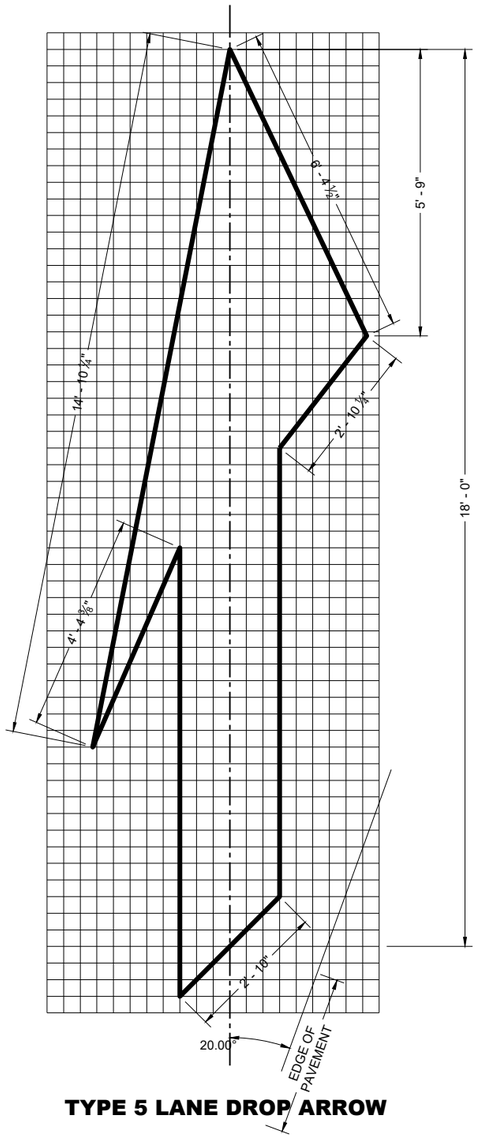
TYPE 2



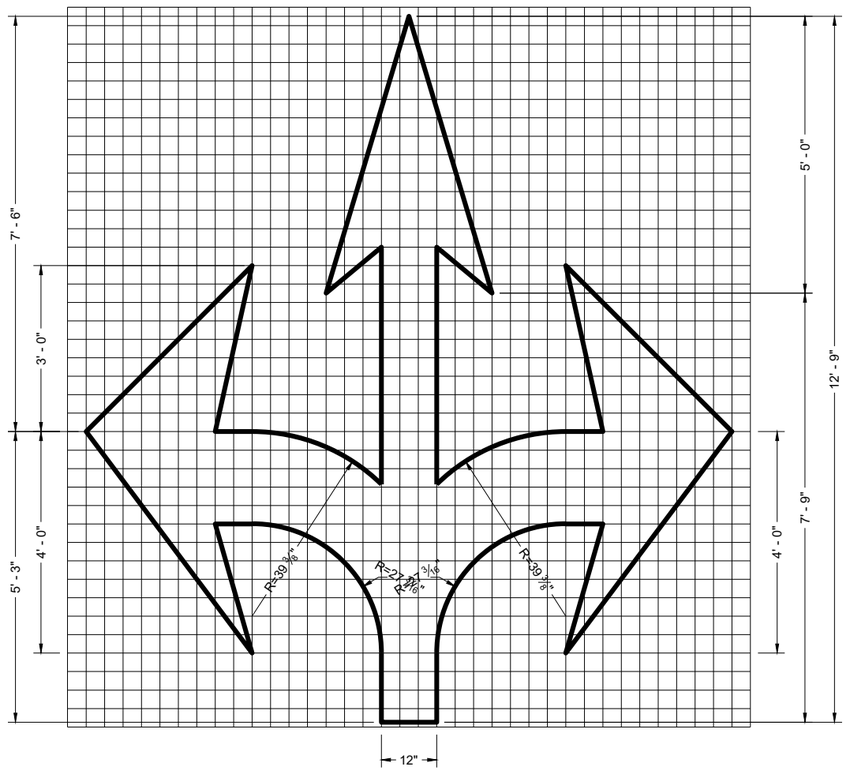
TYPE 3



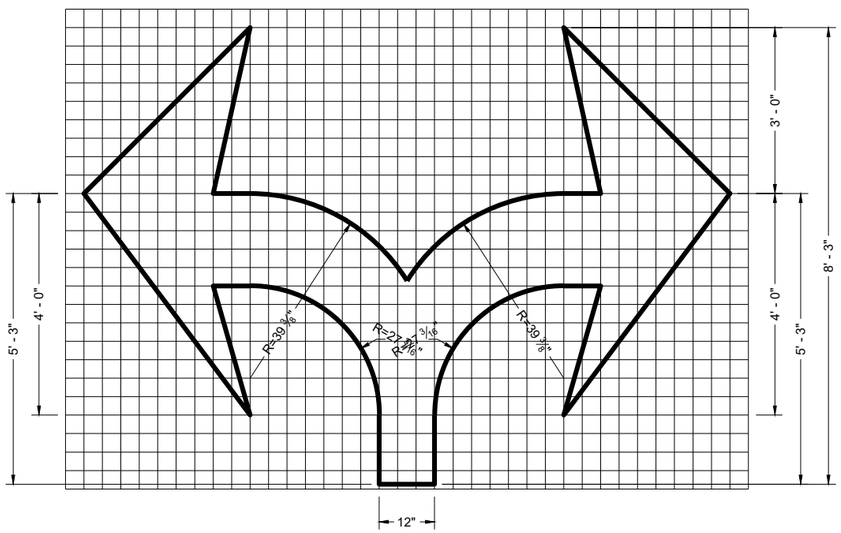
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2024 DATE	/S/ Jeannie Silver STATE SIGNING AND MARKING ENGINEER
FHWA	

6
SDD 15C07-16c

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

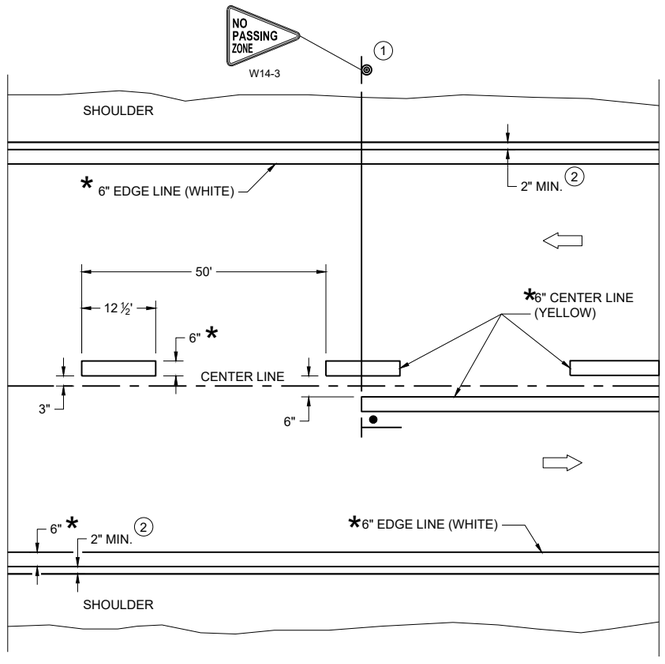
LEGEND

"T" MARKING

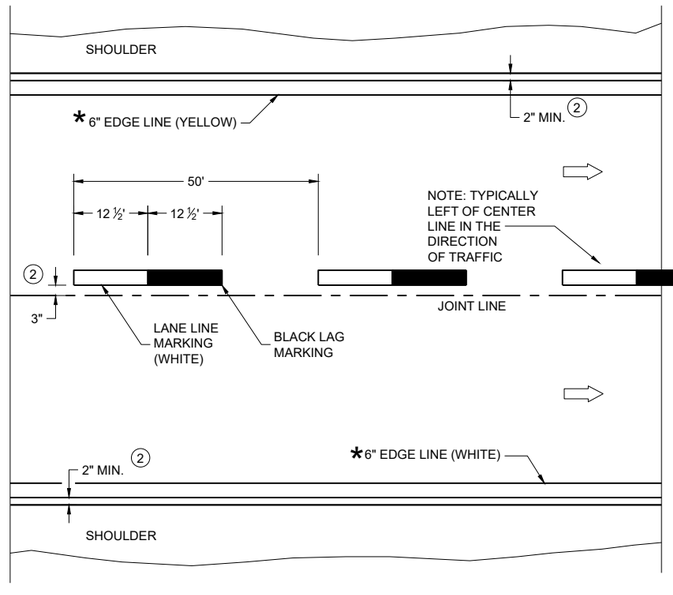
SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

SDD 15C08-24a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

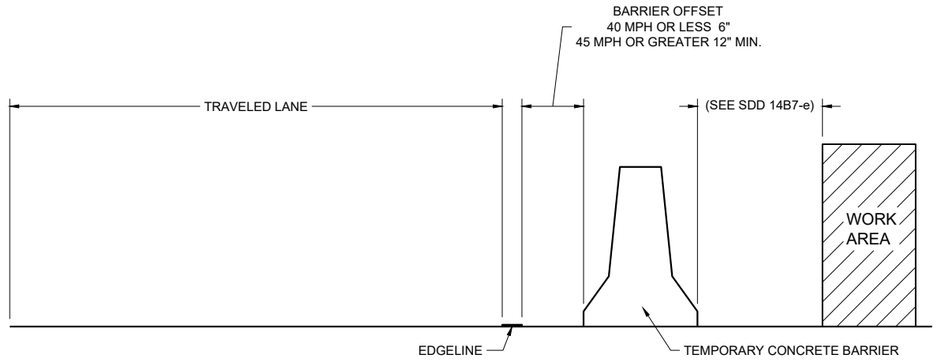
APPROVED
December 2024
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

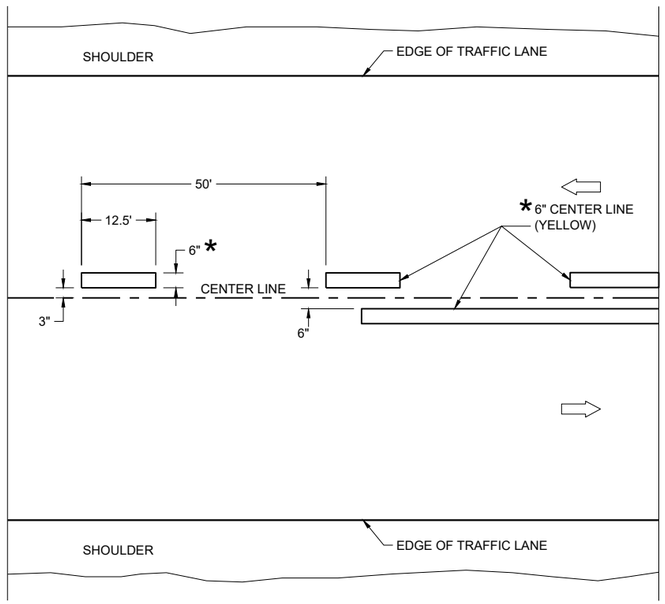
GENERAL NOTES

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

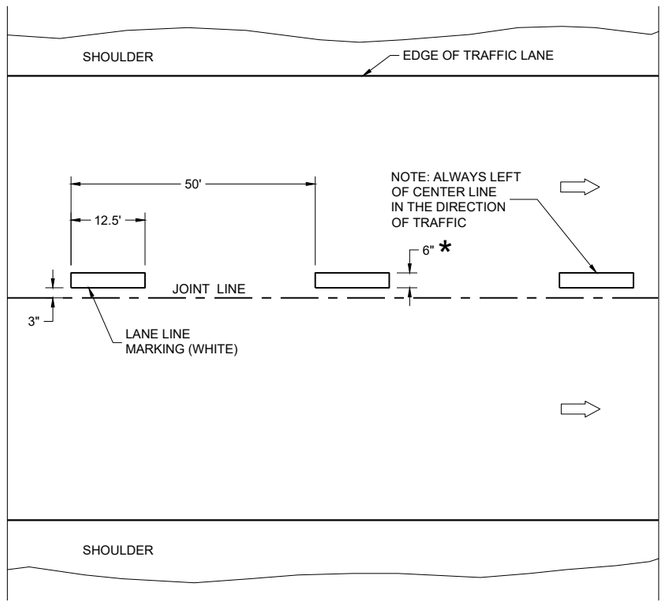
LEGEND

DIRECTION OF TRAFFIC

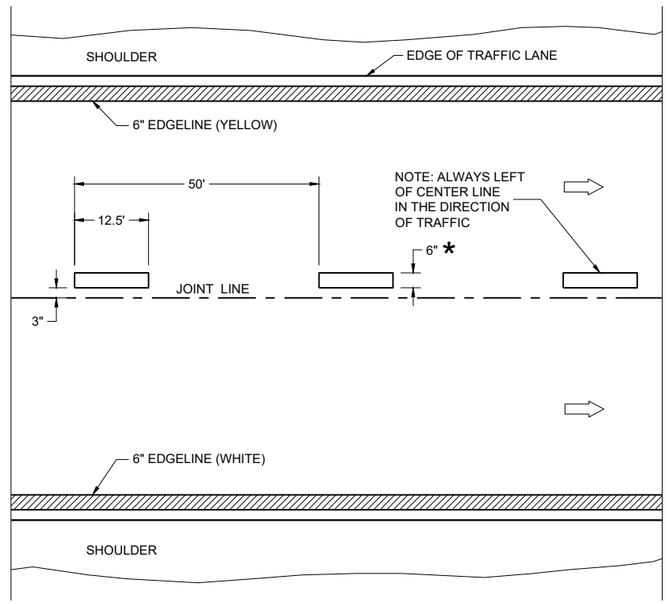
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

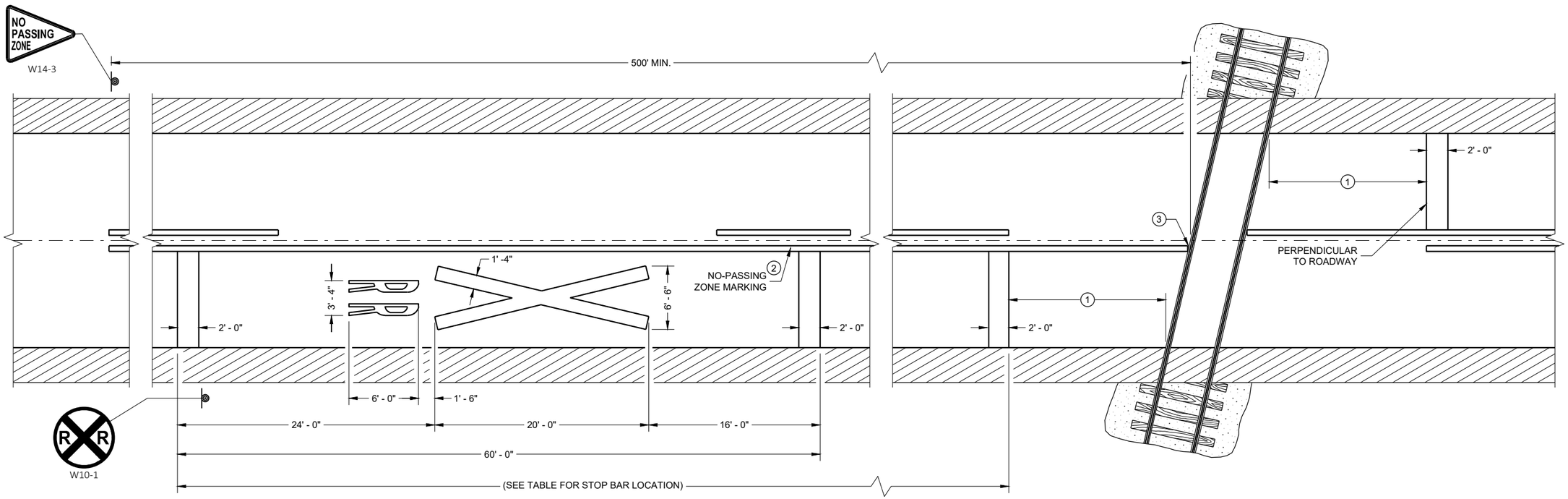
APPROVED
December 2024
DATE
/S/ Jeannie Silver
Statewide Pavement Marking Engineer
FHWA

6

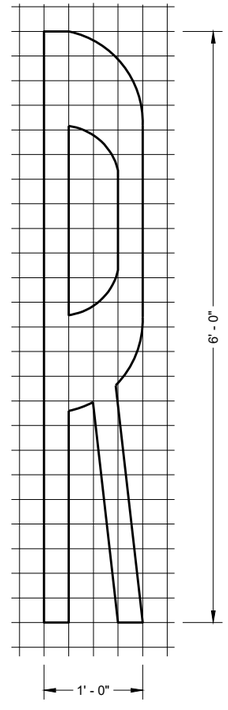
SDD 15C08-24b

6

SDD 15C08-24b



PAVEMENT MARKING



LEGEND

SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

TRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) PLACE STOP BAR APPROXIMATELY 8 FEET IN ADVANCE OF THE GATE (IF PRESENT), BUT NO CLOSER THAN 15 FEET IN ADVANCE OF THE NEAREST RAIL. FIELD-FIT STOP BAR TO MAXIMIZE VIEW OF APPROACHING TRAIN.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

DISTANCE TABLE

TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

POSTED SPEED (M.P.H.)	DIMENSION RANGE (FEET)
25	150* - 250'
30	200* - 300'
35	250* - 450'
40	300* - 500'
45	400* - 650'
50	550* - 800'
55	750* - 1000'
60	1000* - 1250'
65	1000* - 1250'

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSED PROXIMITY OF DRIVEWAYS, BRIDGES, SIDE ROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD - HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

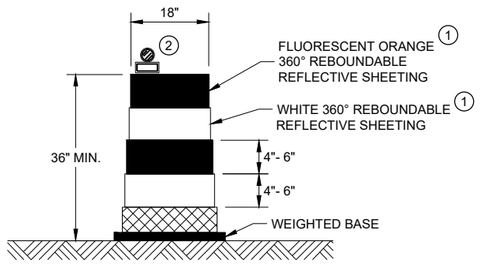
6

SDD 15C09-13a

SDD 15C09-13a

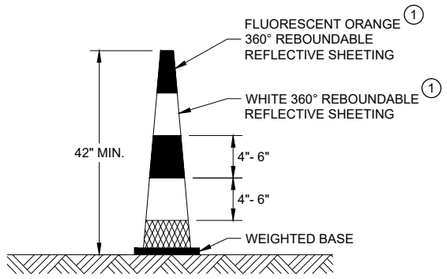
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

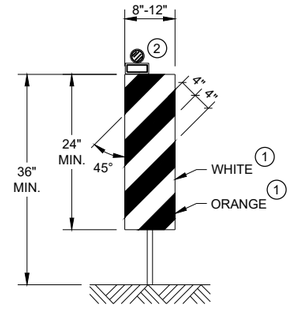
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

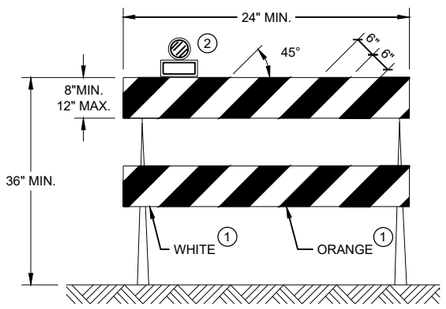
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



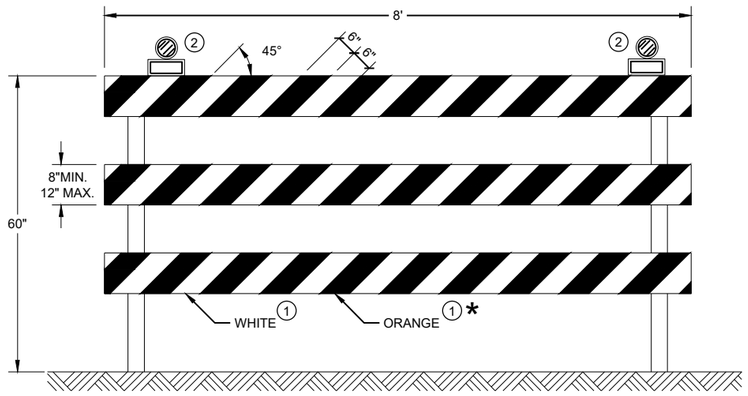
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b

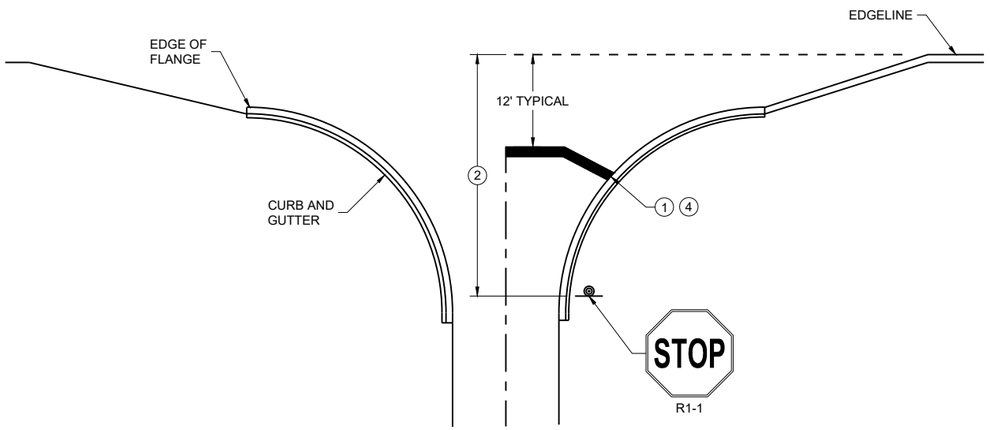
6

SDD 15C11 - 10b

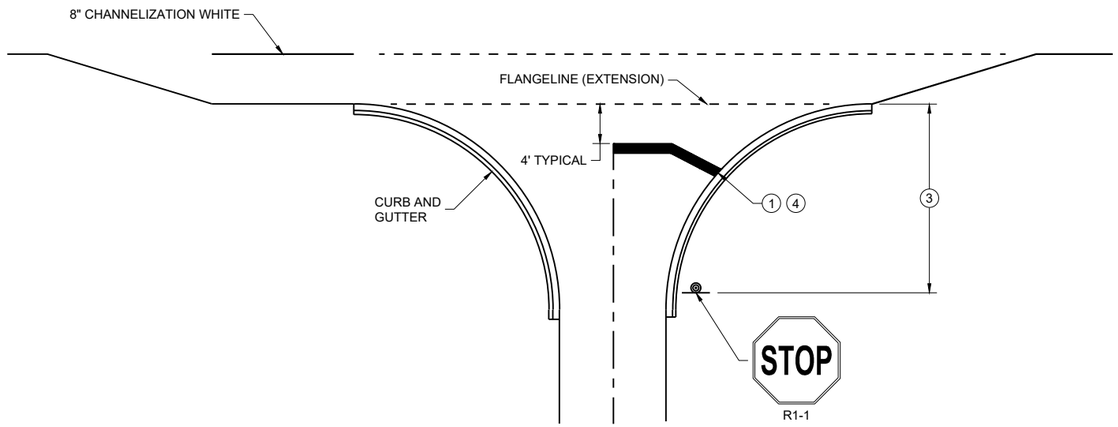
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

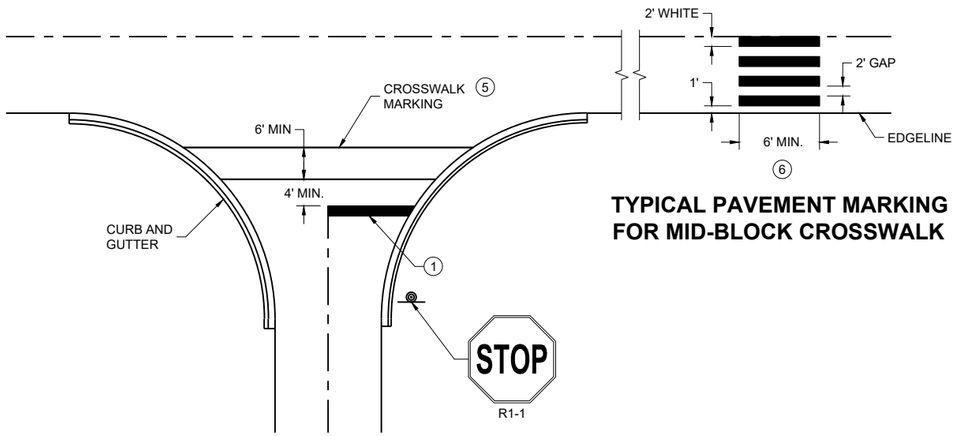
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES.
6. POSTED SPEED LIMITS OF 40 MPH OR GREATER USE A MINIMUM WIDTH OF 8' FOR MIDBLOCK CROSSWALKS



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

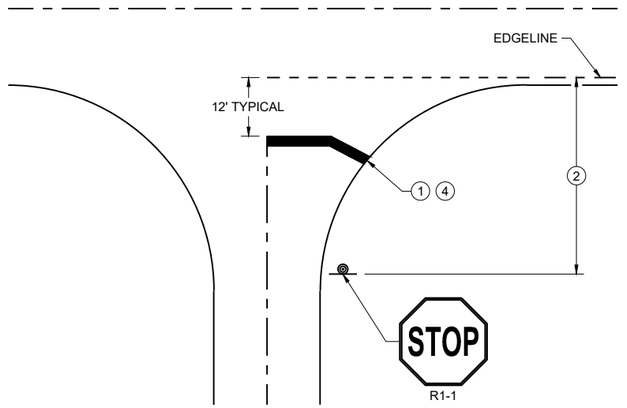


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C33-05

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.

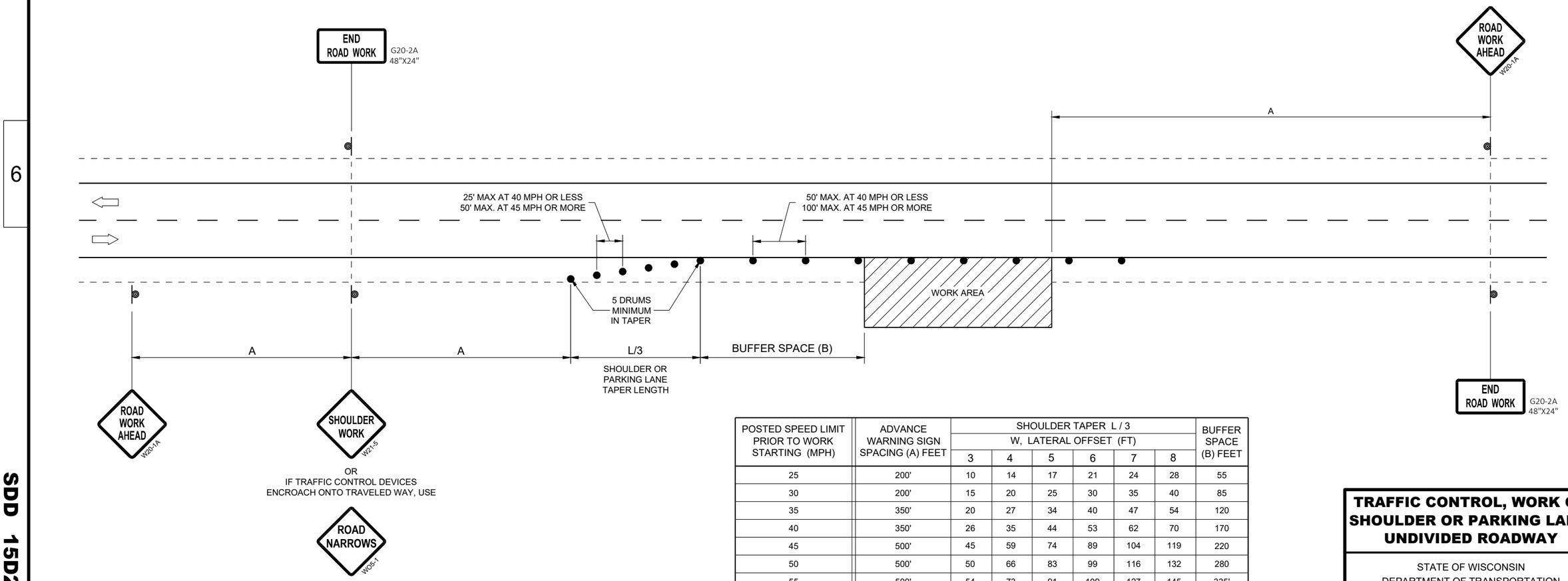
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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.



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	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

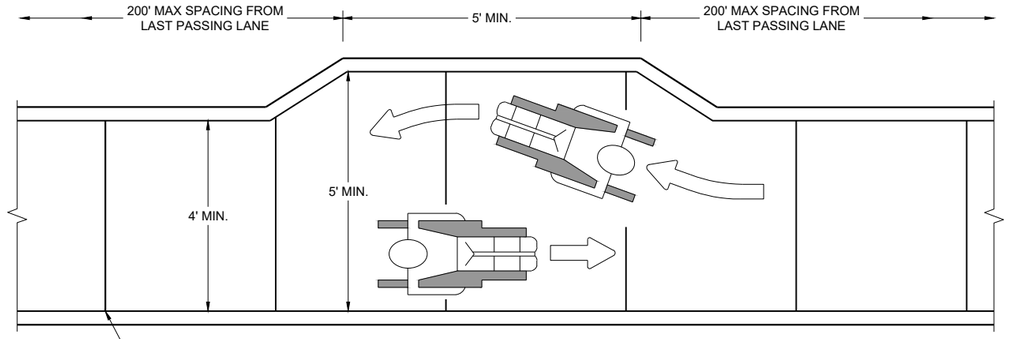
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

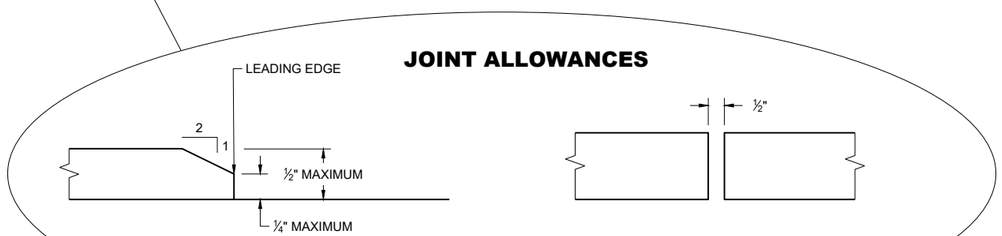
FHWA

SDD 15D28 - 04

SDD 15D28 - 04



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

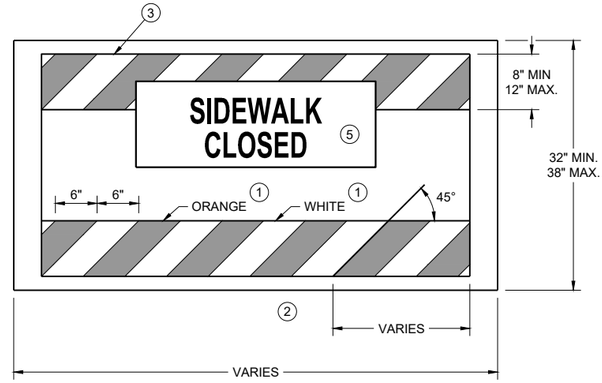
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

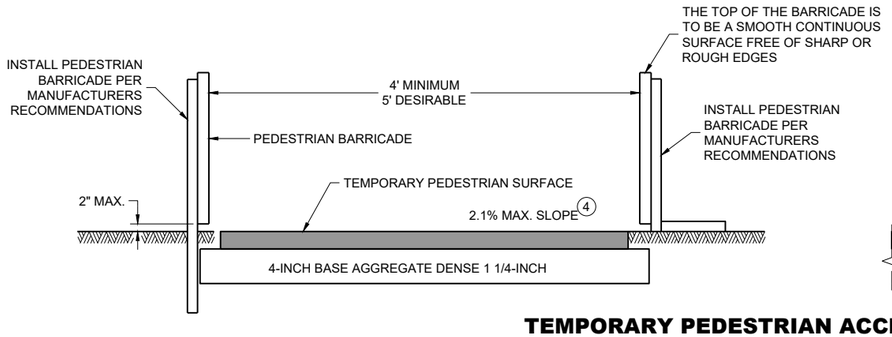
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

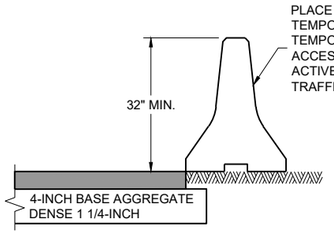
4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.
5. WHERE SIGNS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS ARE SHOWN BEING PLACED BEHIND TEMPORARY PEDESTRIAN BARRICADE, THE SIGNS MAY BE MOUNTED ON THE TEMPORARY PEDESTRIAN BARRICADE INSTEAD. A CORRUGATED POLYPROPYLENE OR POLYETHYLENE PLASTIC SIGN BASE SHALL BE USED IF MOUNTED ON THE BARRICADE. THE TOP OF THE SIGN SHALL BE MOUNTED BELOW THE TOP OF THE BARRICADE TO ALLOW A CONTINUOUS HAND-TRAILING EDGE.

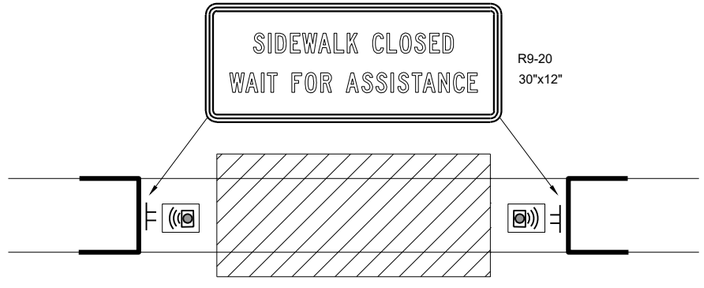


TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS





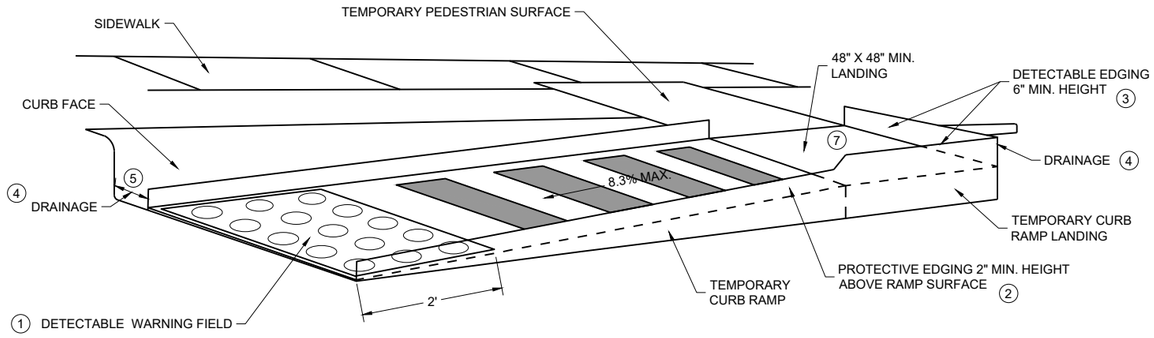
TEMPORARY PEDESTRIAN FLAGGING

LEGEND

- TEMPORARY PEDESTRIAN BARRICADE
- AUDIBLE MESSAGE DEVICE
- TEMPORARY SIGN SUPPORT
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PERSPECTIVE VIEW

GENERAL NOTES

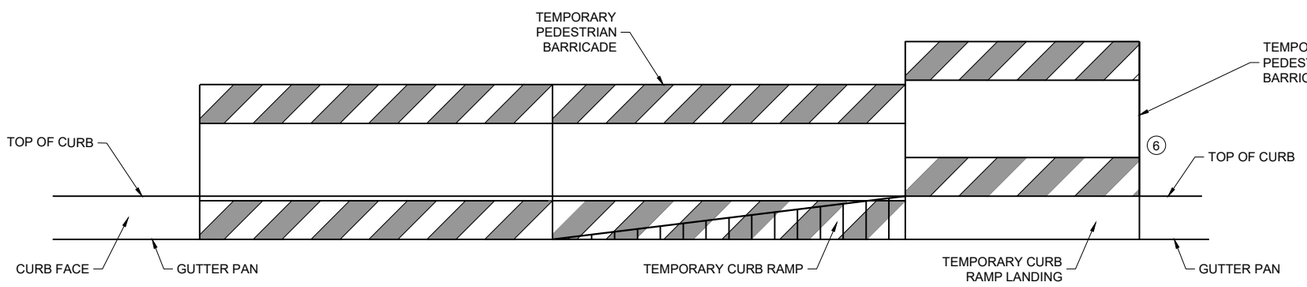
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

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

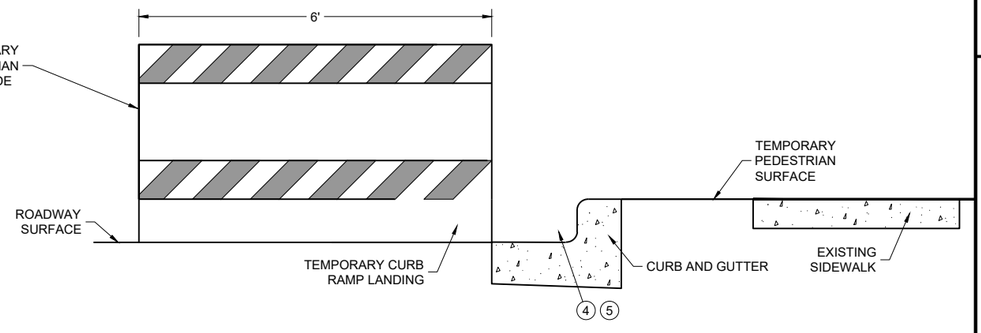
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

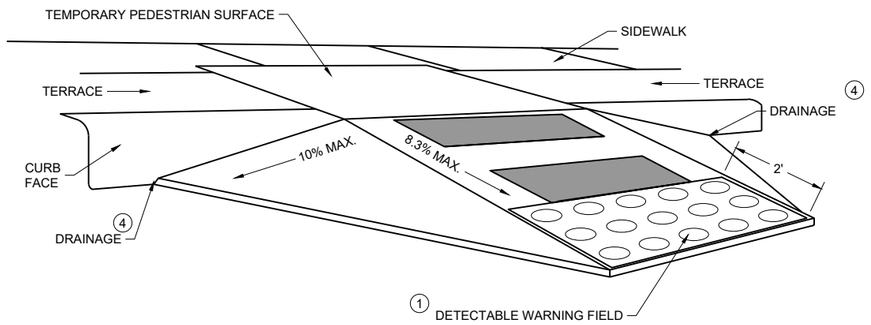
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

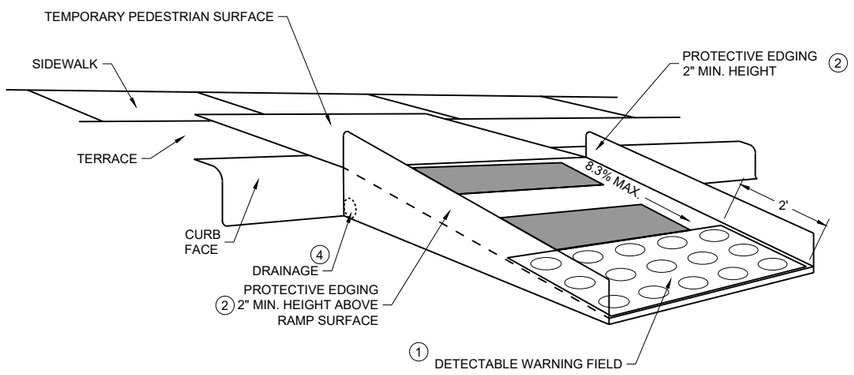
SDD 15D30-12b

6

SDD 15D30-12b



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

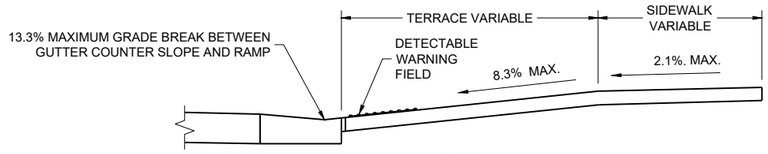
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

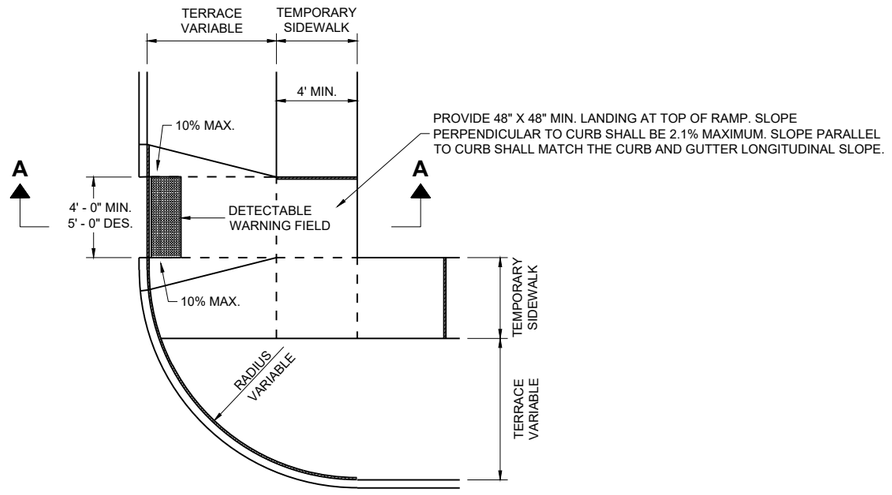
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

6

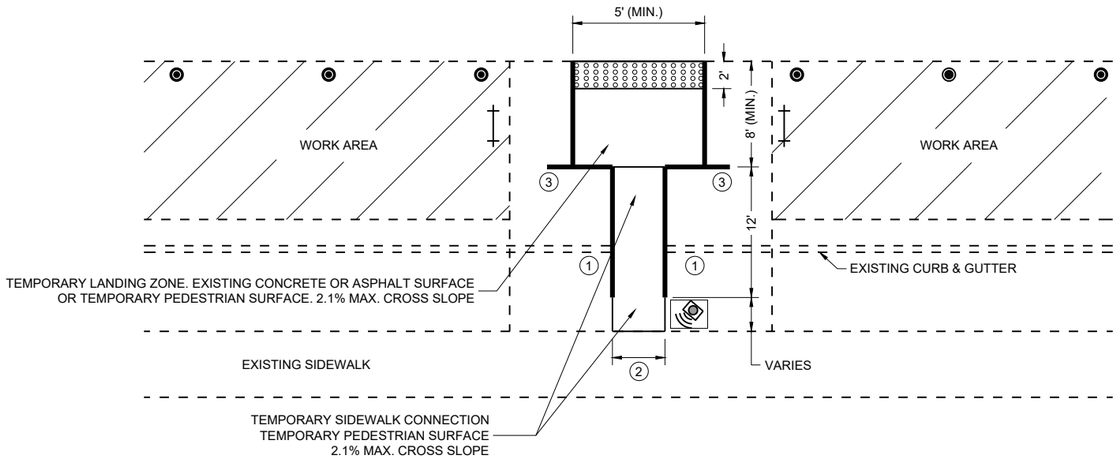
SDD 15D30-12d

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

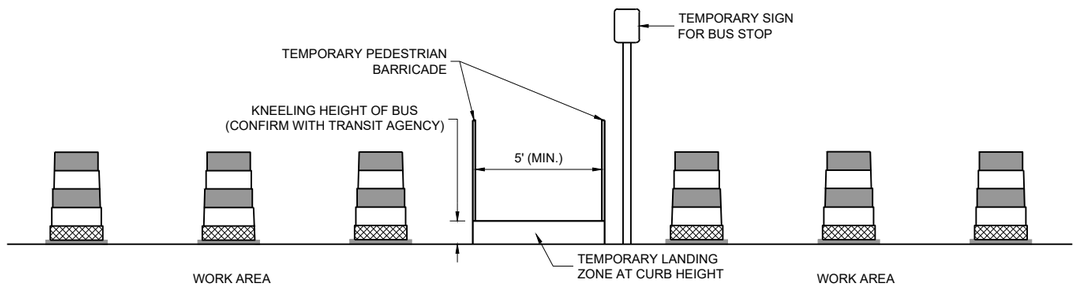
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12d



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

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".

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

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

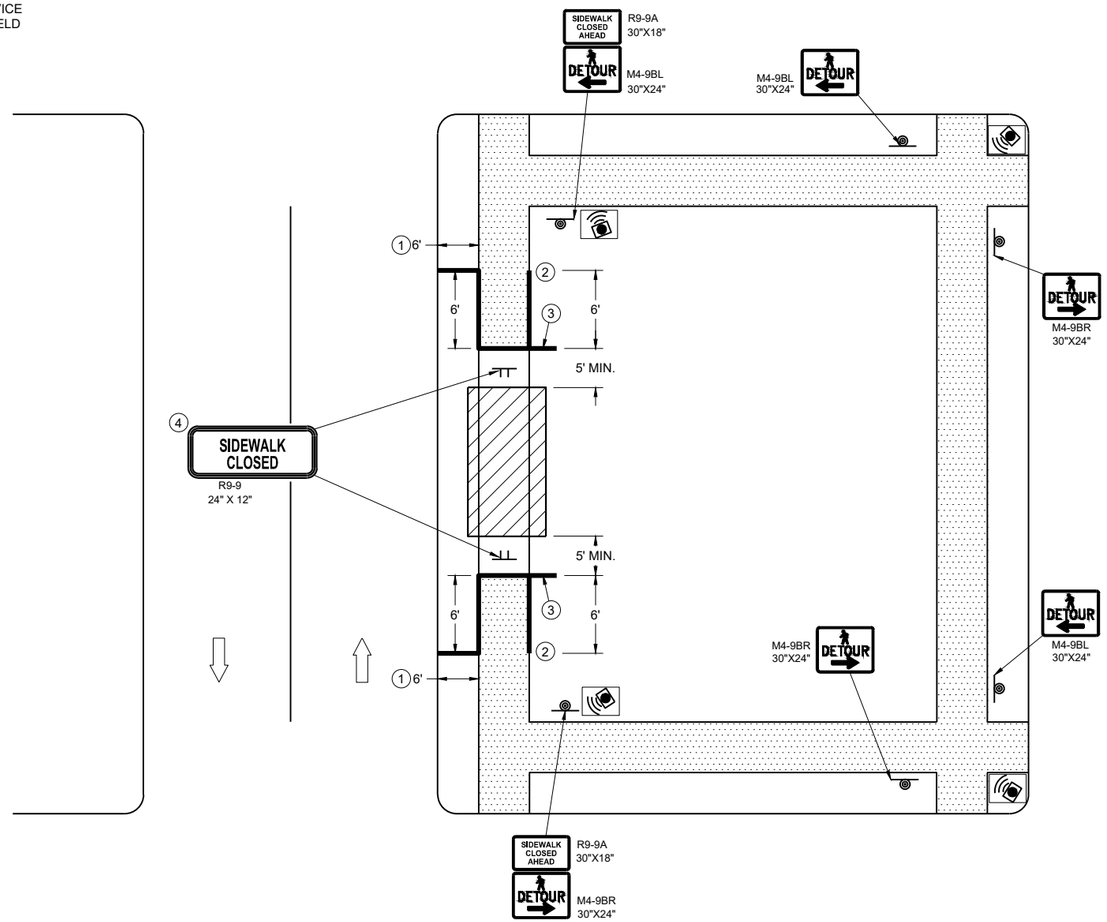
SDD 15D30-12e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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 ONLY ON ONE SIDE

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 CONFLICTS 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

6
SDD 15D30-12f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

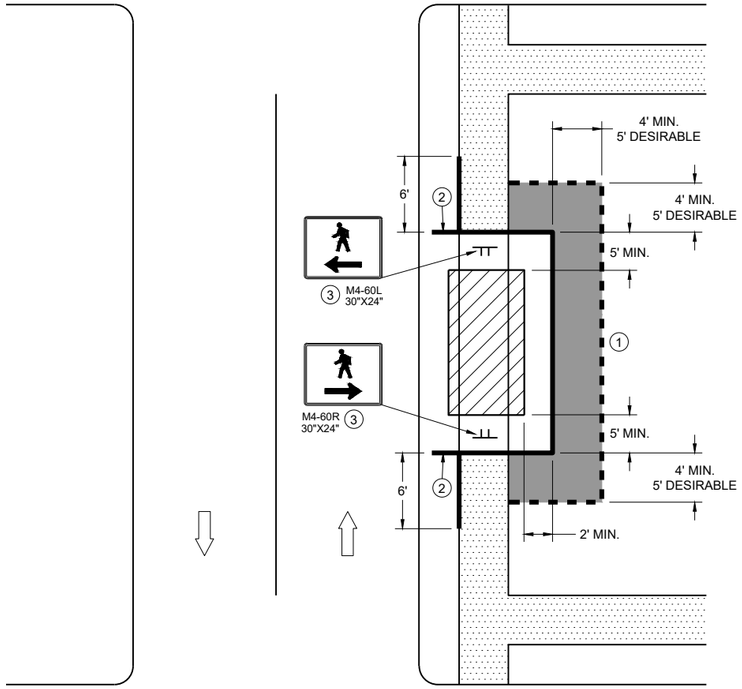
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-12g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12g

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

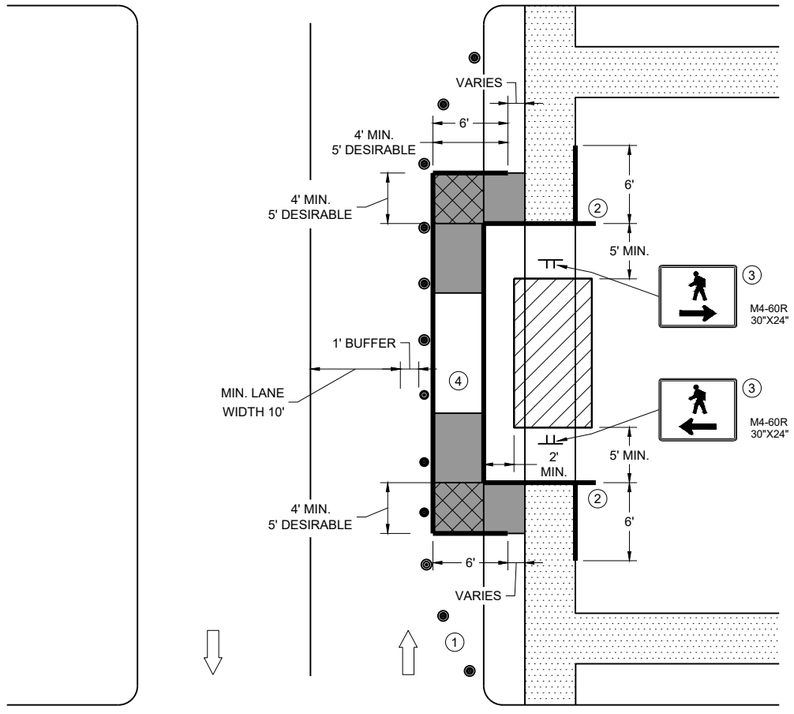
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



SIDEWALK BYPASS, SINGLE SIDE

6

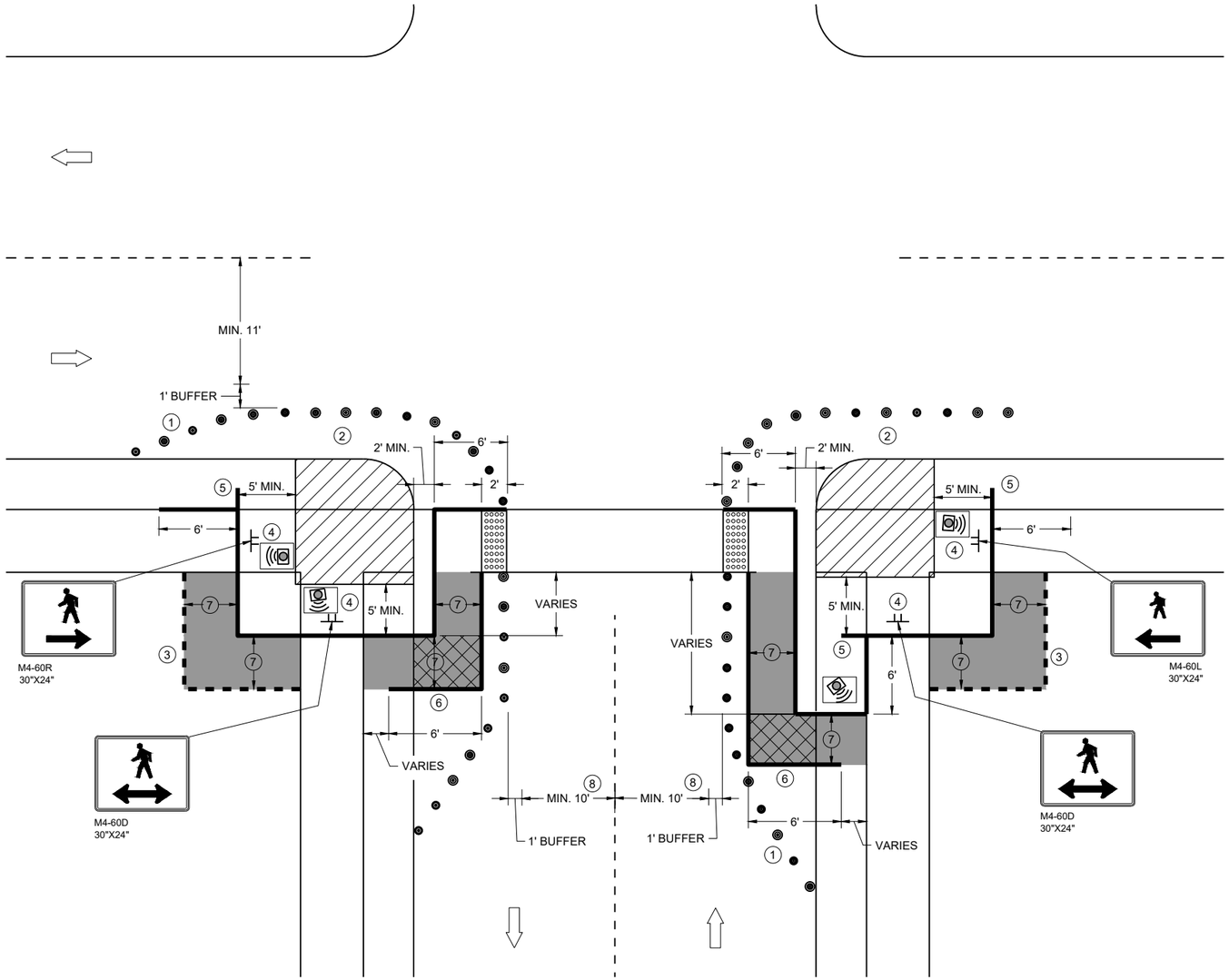
SDD 15D30-12h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-12h



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

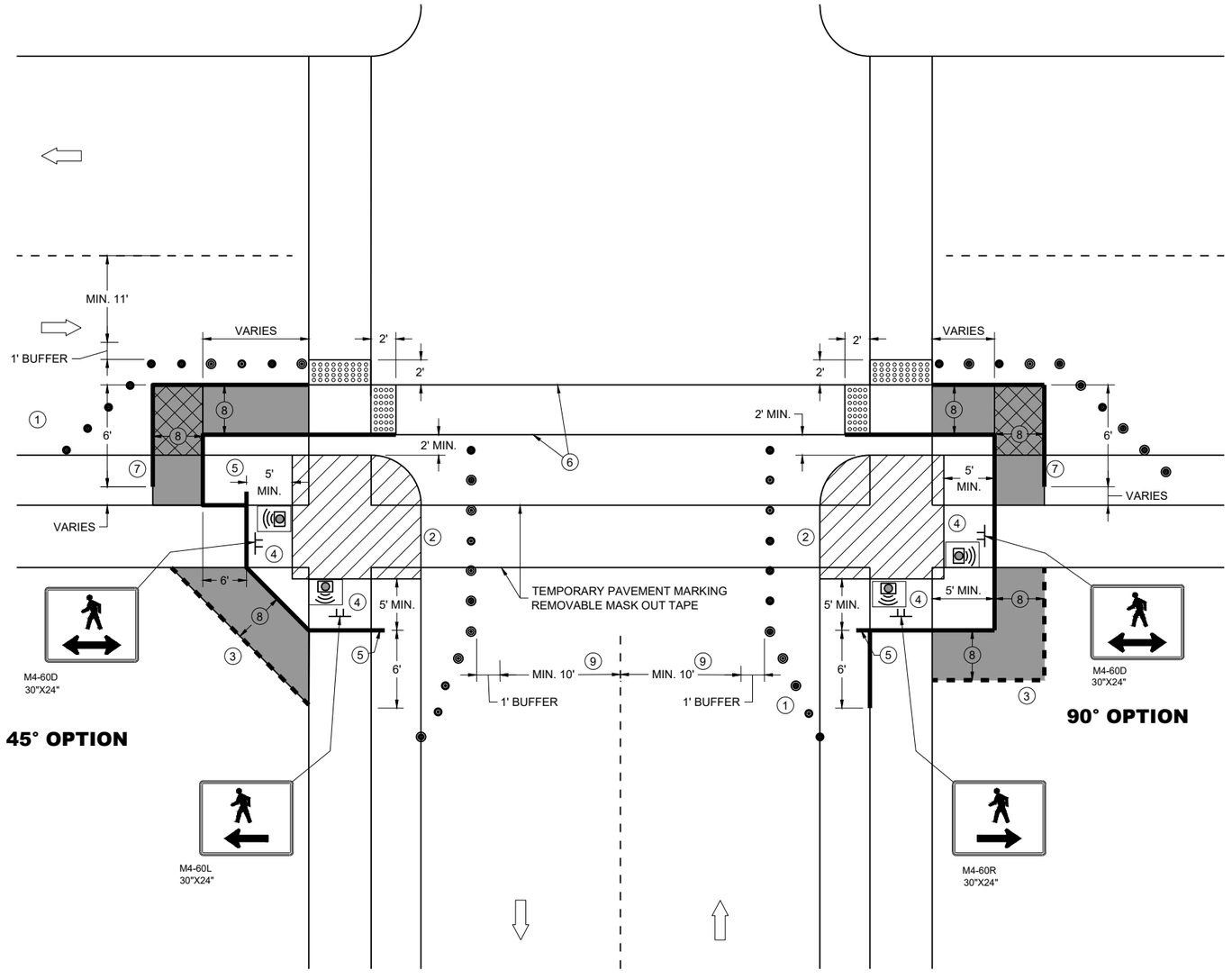
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.

(2) PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS

(3) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(4) MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.

(5) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.

(6) WHITE 6" TEMPORARY PAVEMENT MARKING

(7) IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.

(8) 4 FEET MINIMUM, 5 FEET DESIRABLE

(9) IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

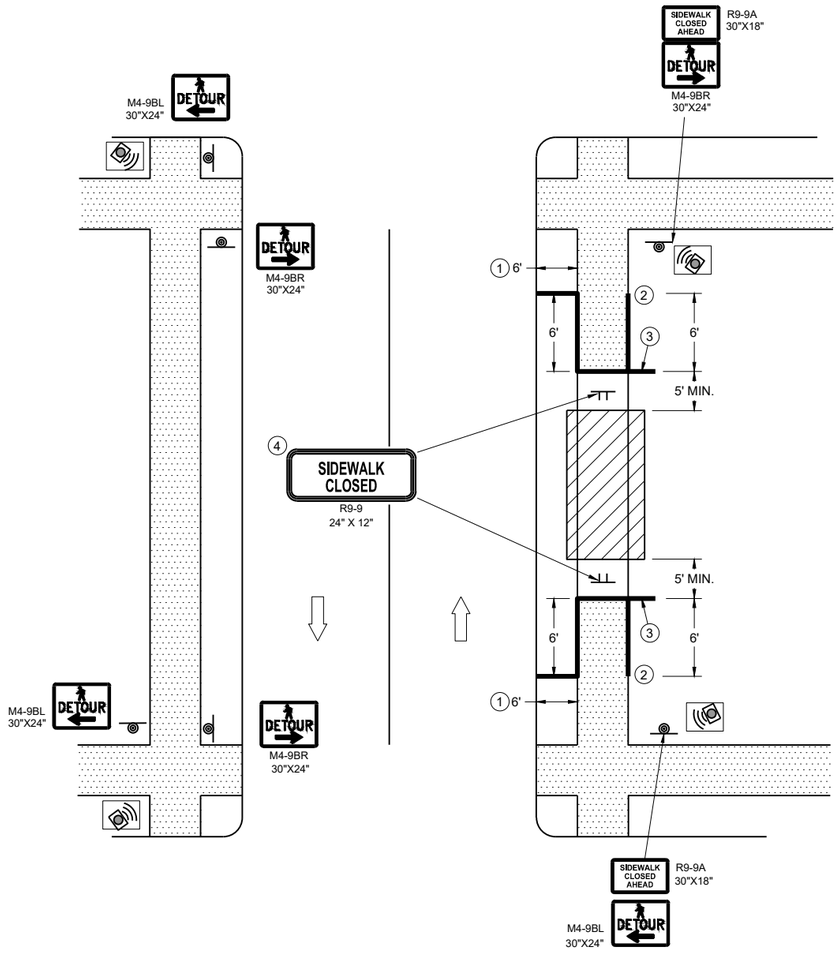
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-12j

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.

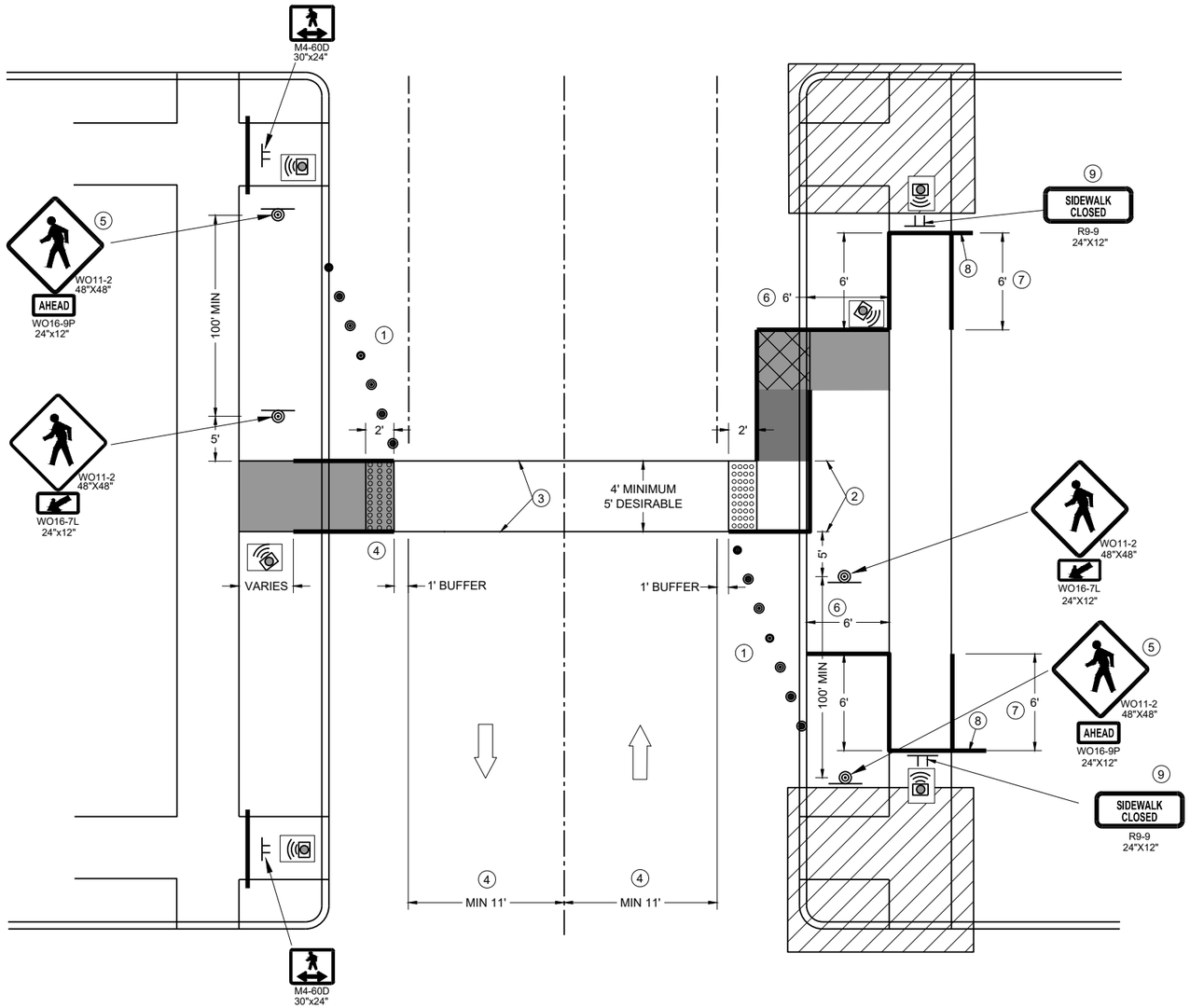
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN 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

6

SDD 15D30-12k



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. 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.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

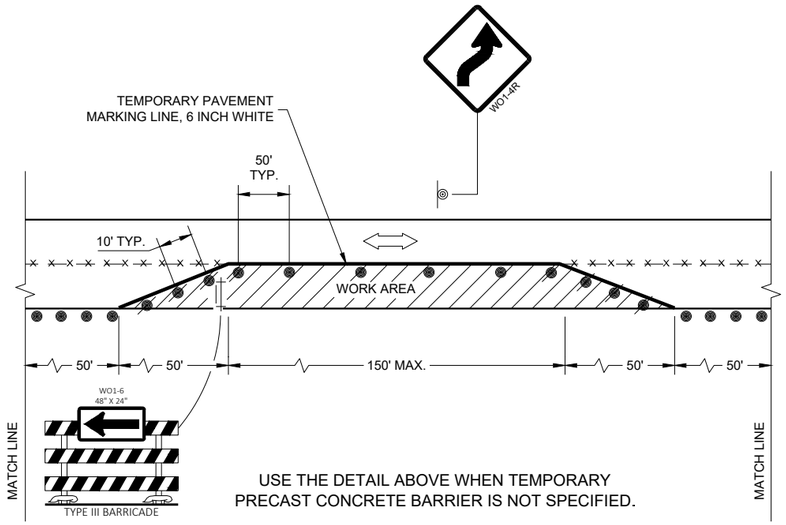
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLAGS, 16" X 16" MIN. (ORANGE)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- ASPHALTIC PAVEMENT WIDENING
- CONCRETE BARRIER TEMPORARY PRECAST



USE THE DETAIL ABOVE WHEN TEMPORARY PRECAST CONCRETE BARRIER IS NOT SPECIFIED.

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

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

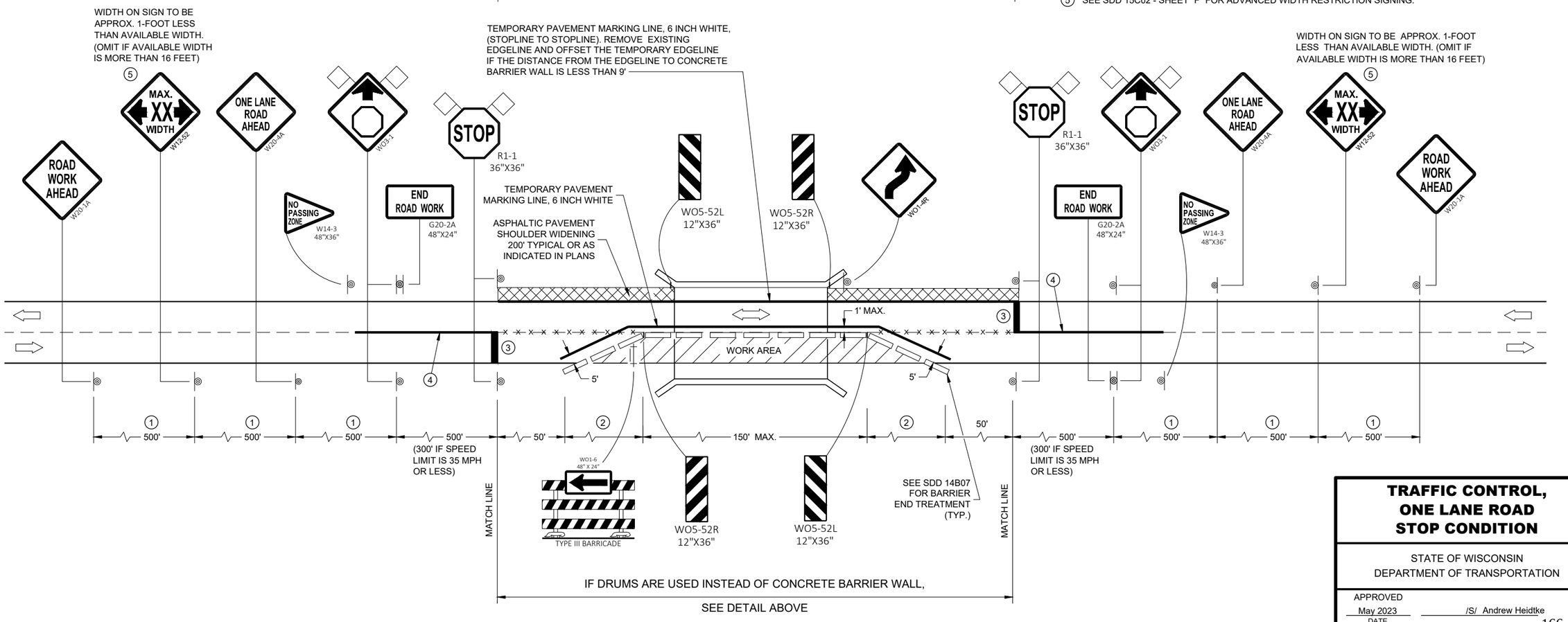
ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"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.

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

1. 500 FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 - 40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25 - 30 MPH, USE 200 FOOT TYPICAL SPACING.
2. DIMENSION DETERMINED BY CBTP TAPER FROM EDGE LINE TO TANGENT SECTION OF THE ROAD.
3. TEMPORARY PAVEMENT MARKING LINE, 18 INCH WHITE STOP LINE.
4. 700 FOOT TEMPORARY PAVEMENT MARKING LINE, 6 INCH DOUBLE YELLOW. WHEN THE DISTANCE FOR THE PRECEDING NO - PASSING ZONE IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES AS INDICATED IN THE SPECIFICATIONS, THE TWO ZONES SHALL BE CONNECTED.
5. SEE SDD 15C02 - SHEET "F" FOR ADVANCED WIDTH RESTRICTION SIGNING.



TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

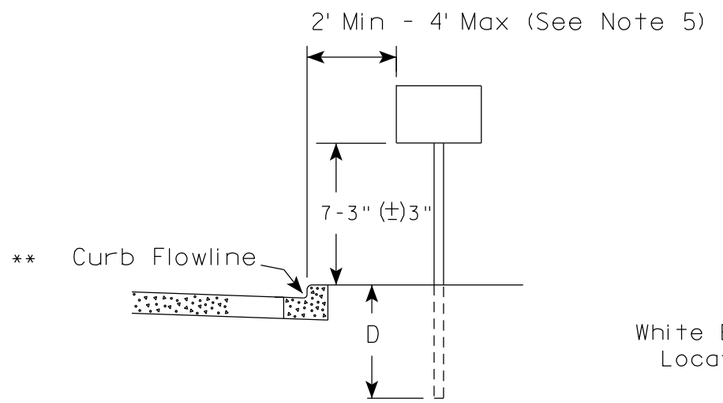
6

SDD 15D32-07

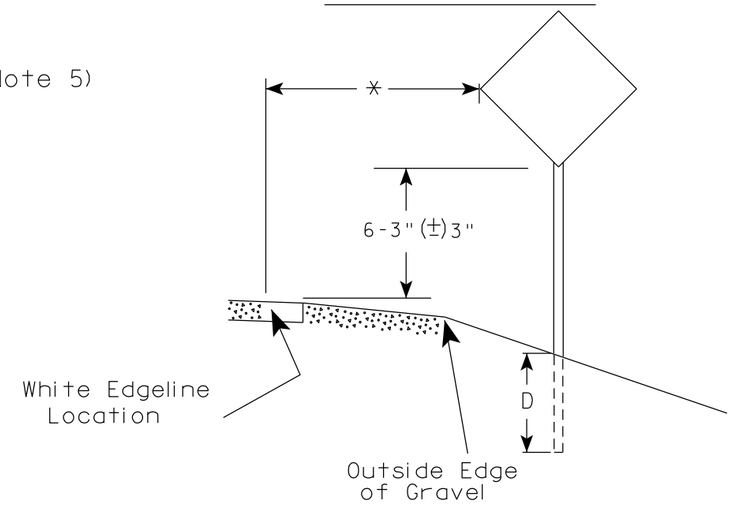
6

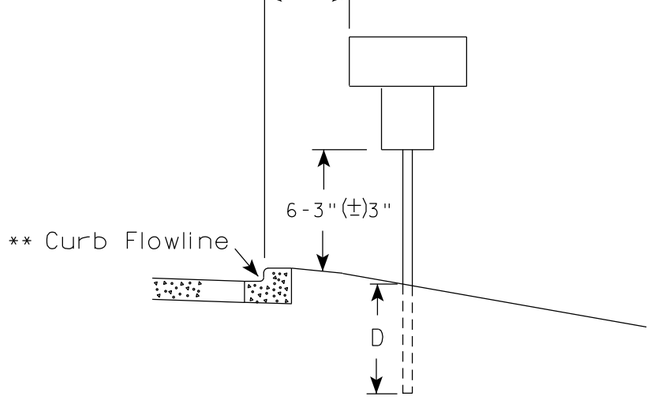
SDD 15D32-07

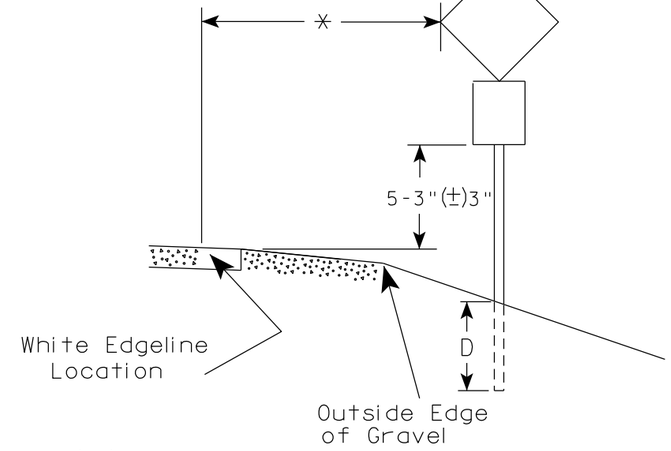
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directd by the Engineer.

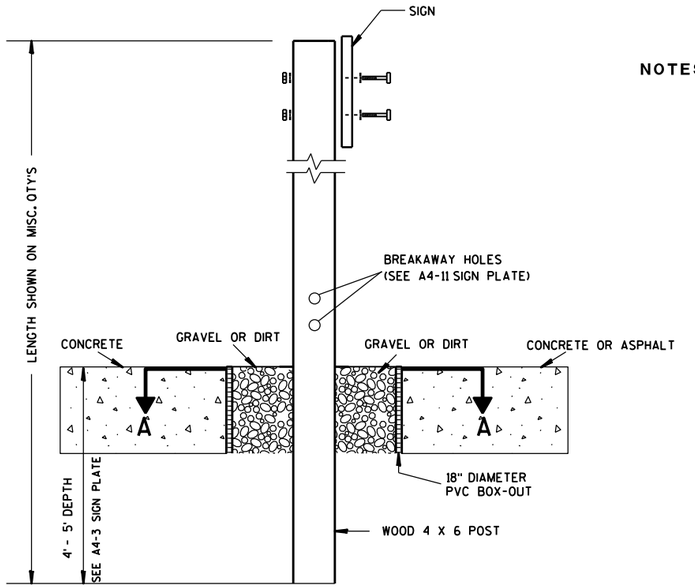
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

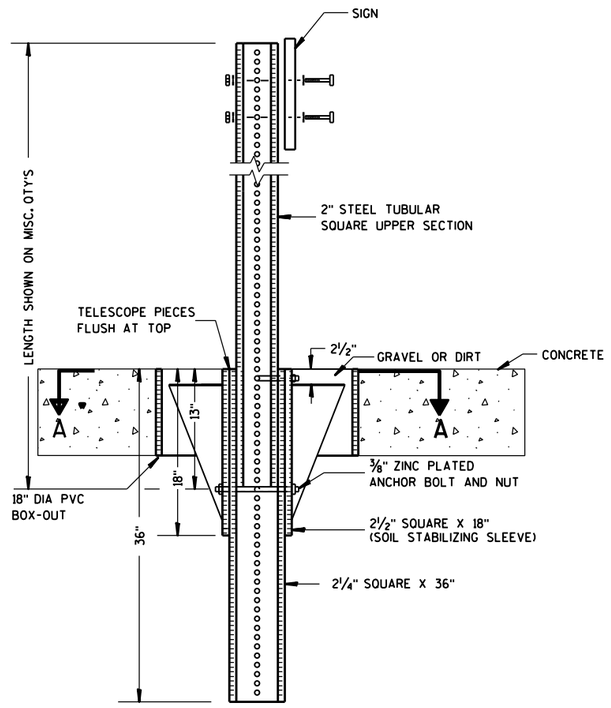
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 167	E



ELEVATION VIEW

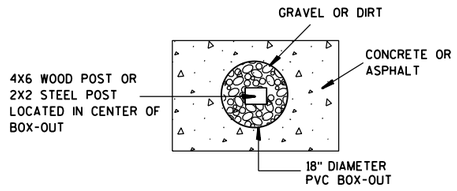
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

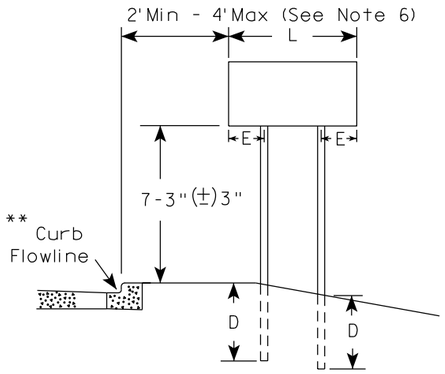
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

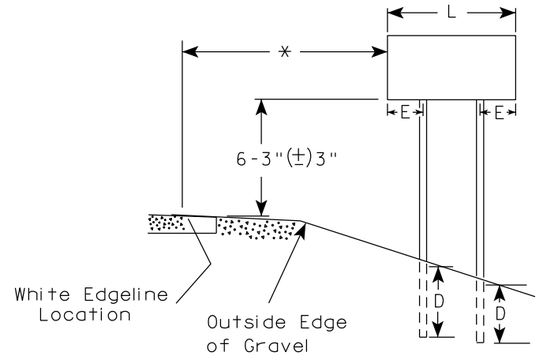
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

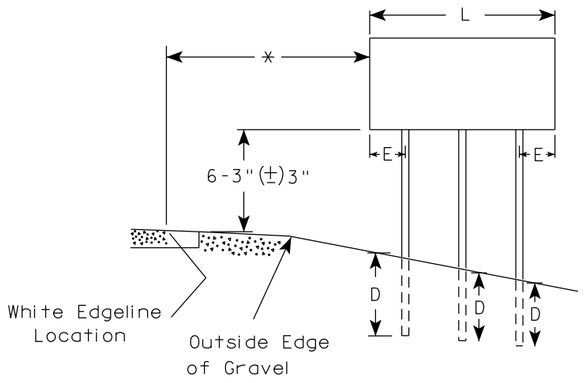
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

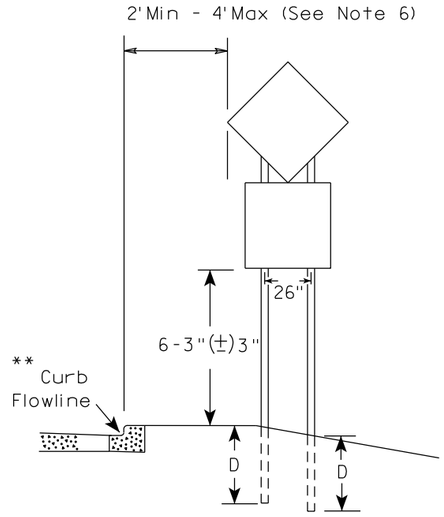
URBAN AREA



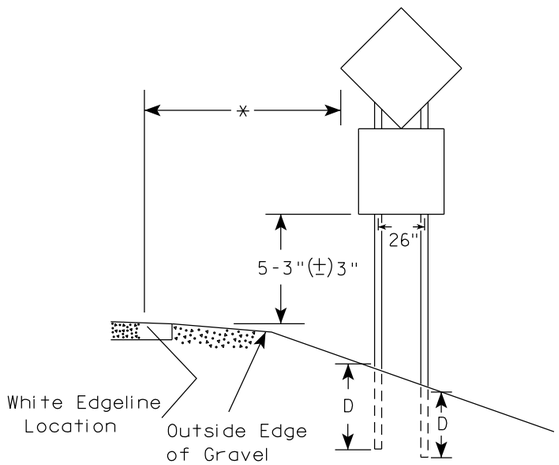
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) 3" or 6'-3" (±) 3" depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±) 3".

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

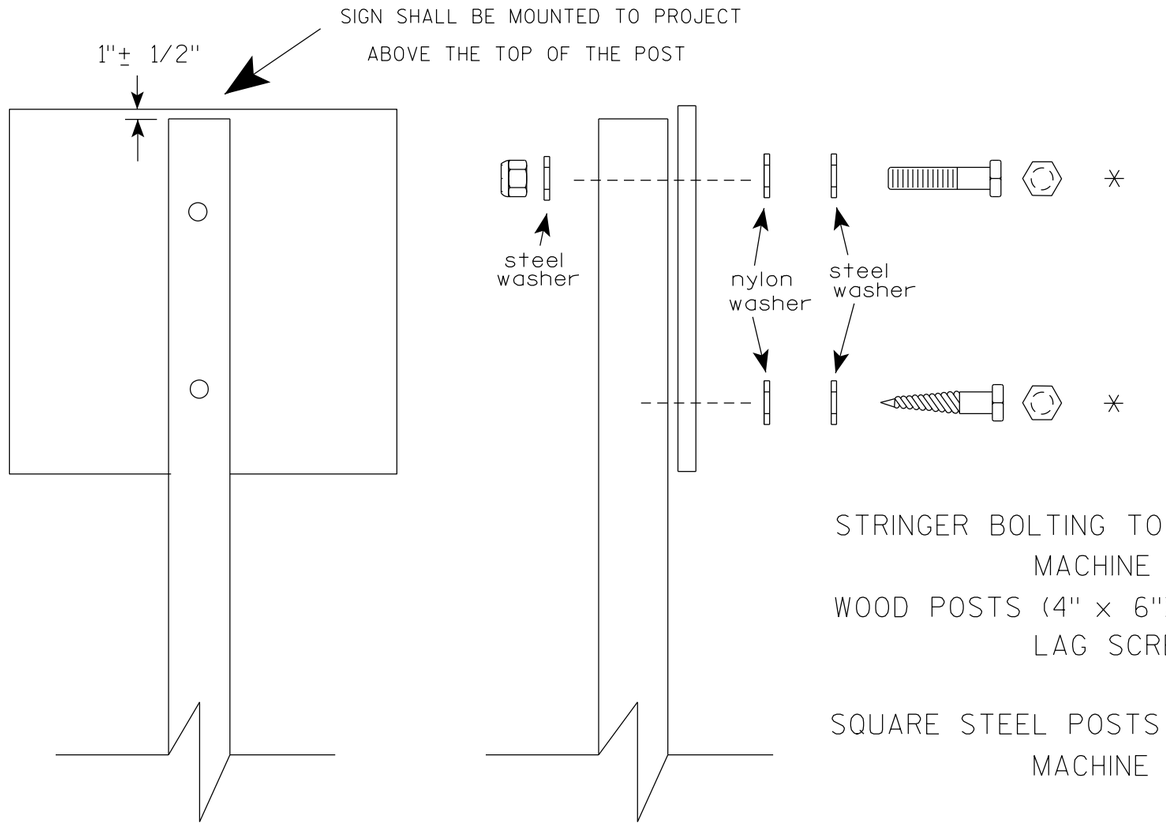
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 169	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

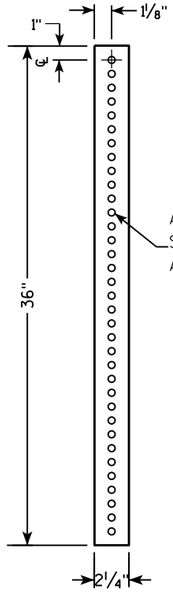
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

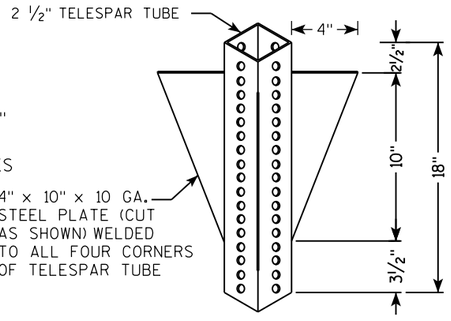
SHEET NO: 170 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

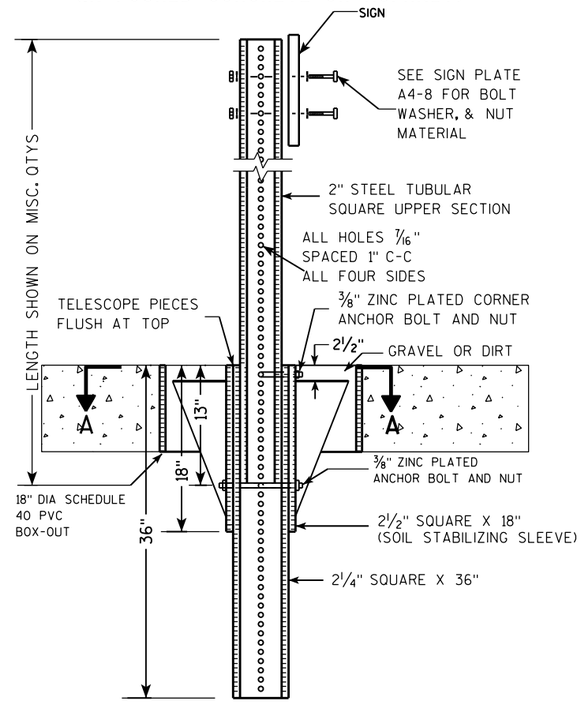
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



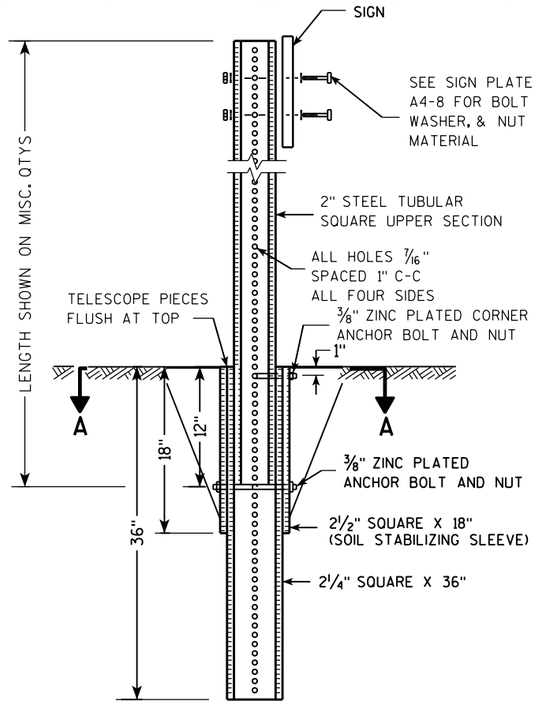
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

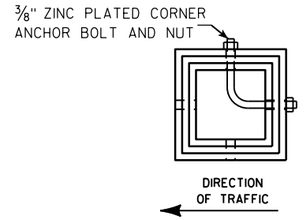


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

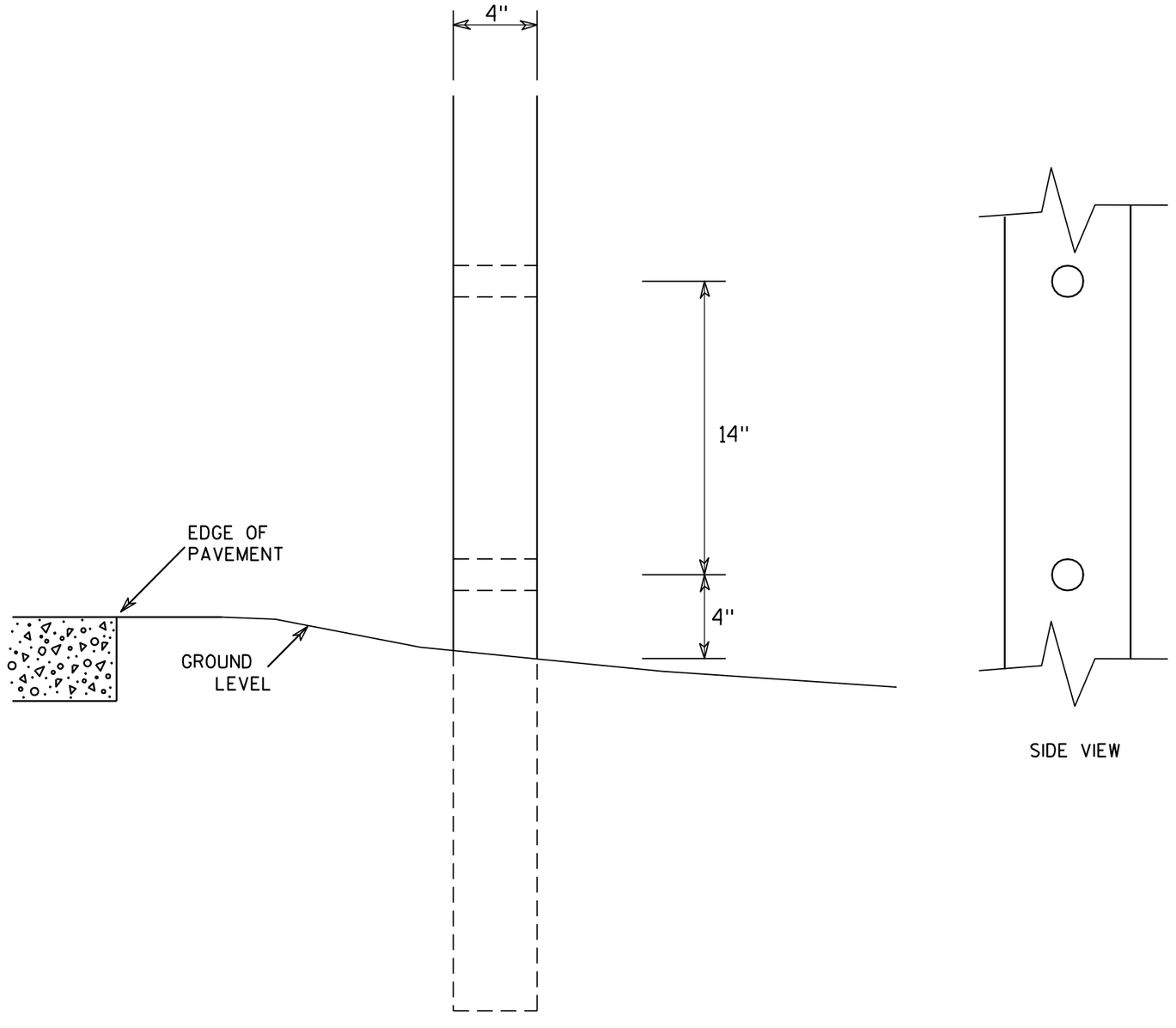
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

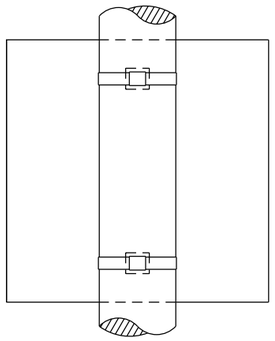
APPROVED Chester J Spang for State Traffic Engineer

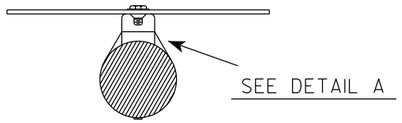
DATE 3/27/97 PLATE NO. A4-11.2

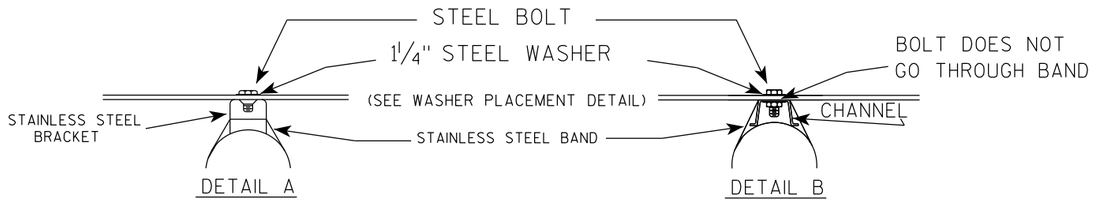
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 172	E

BANDING

SINGLE SIGN



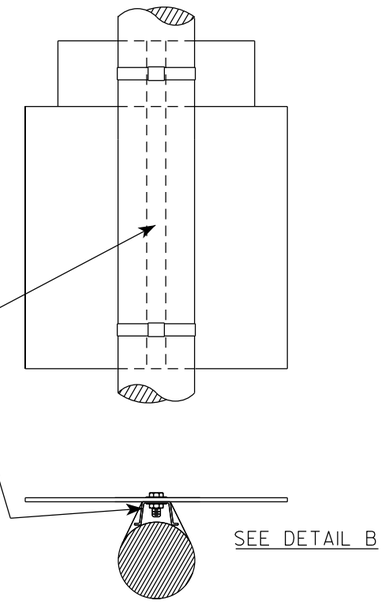




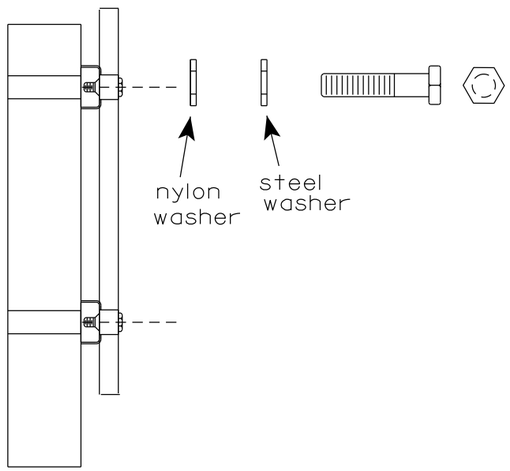
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

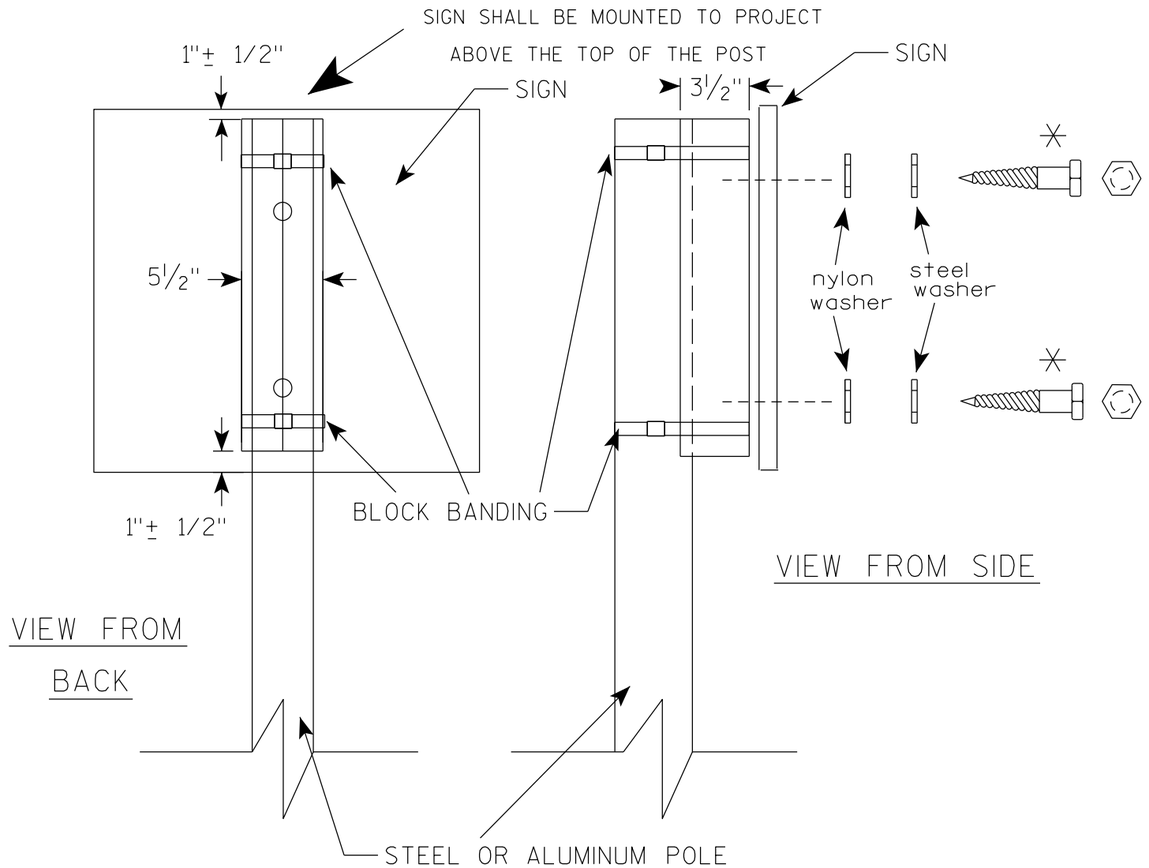
WISCONSIN DEPT OF TRANSPORTATION

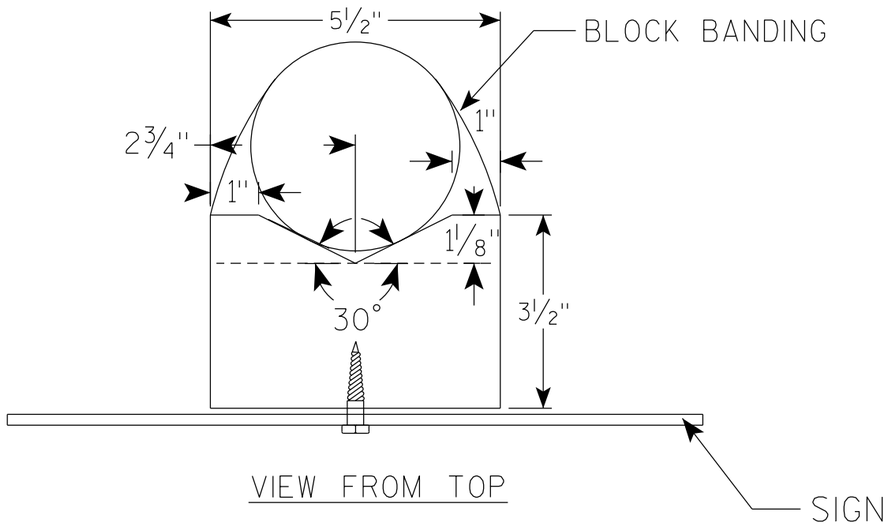
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 173	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

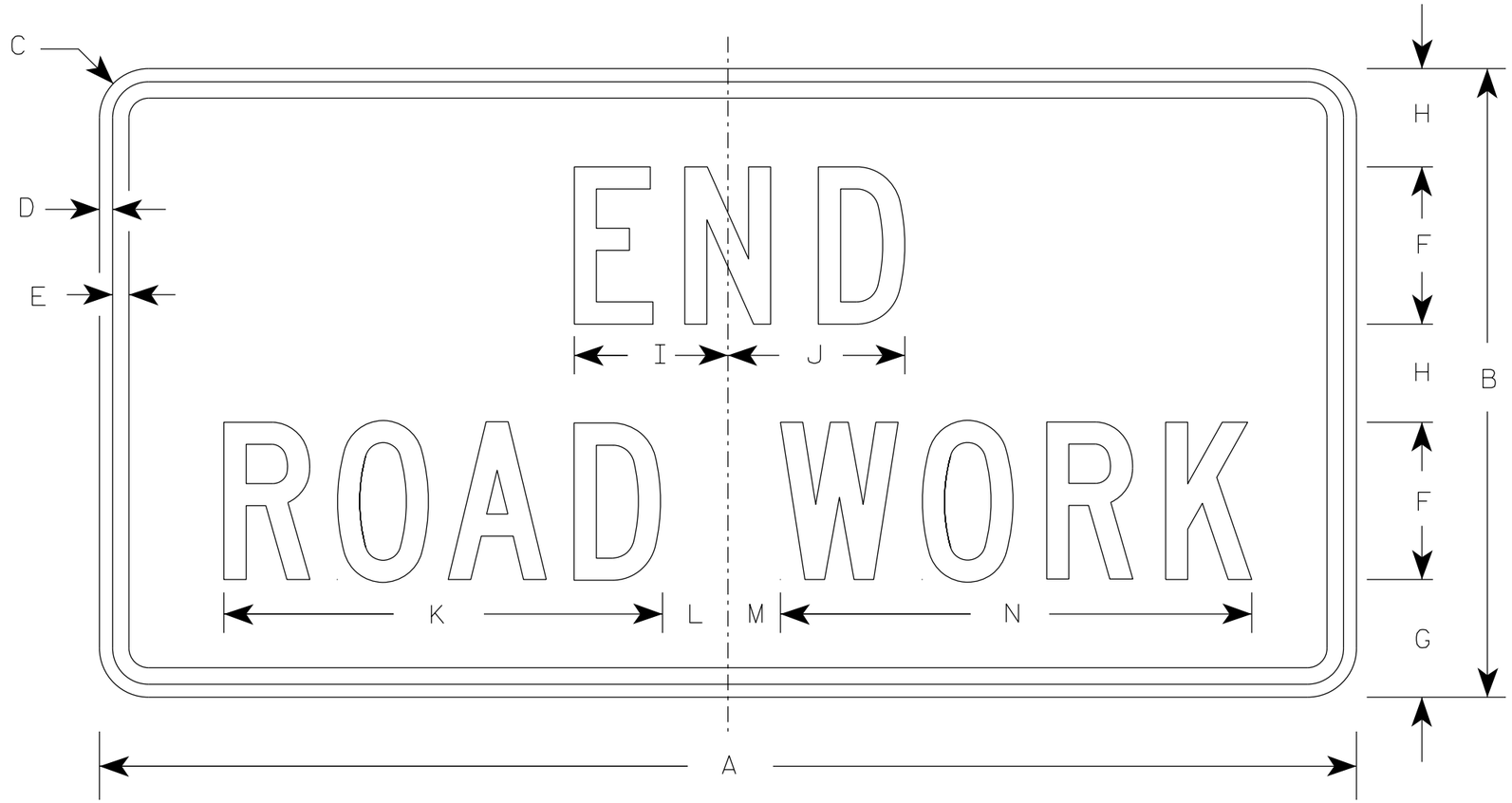
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 174 E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

G20-2A

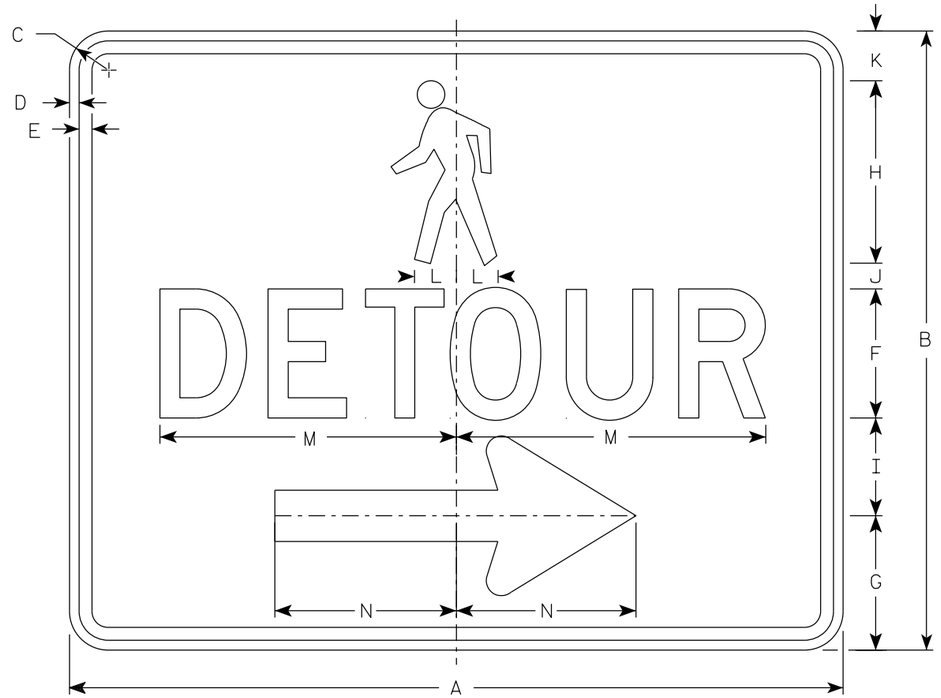
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

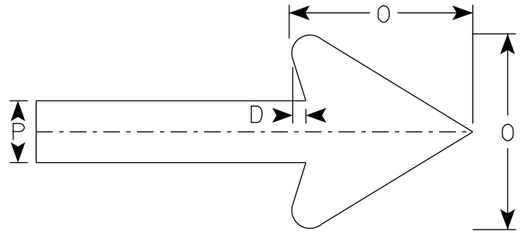
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\G202A.dgn PLOT DATE : 26-JAN 2023 8:27 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
2M	30	24	1 1/2	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.0
3																											
4																											
5																											

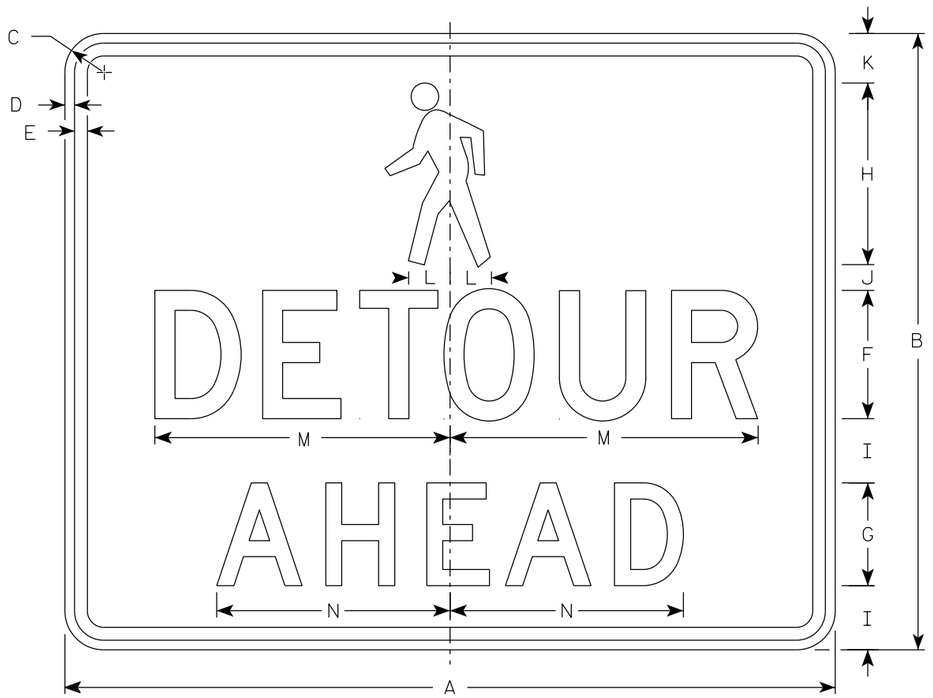
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 176 | E



M4-9BA

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	4	7 1/8	2 1/2	1	1 7/8	1 5/8	11 3/4	9 1/8													5.0
2M	30	24	1 1/2	3/8	1/2	5	4	7 1/8	2 1/2	1	1 7/8	1 5/8	11 3/4	9 1/8													5.0
3																											
4																											
5																											

STANDARD SIGN
M4-9BA

WISCONSIN DEPT OF TRANSPORTATION

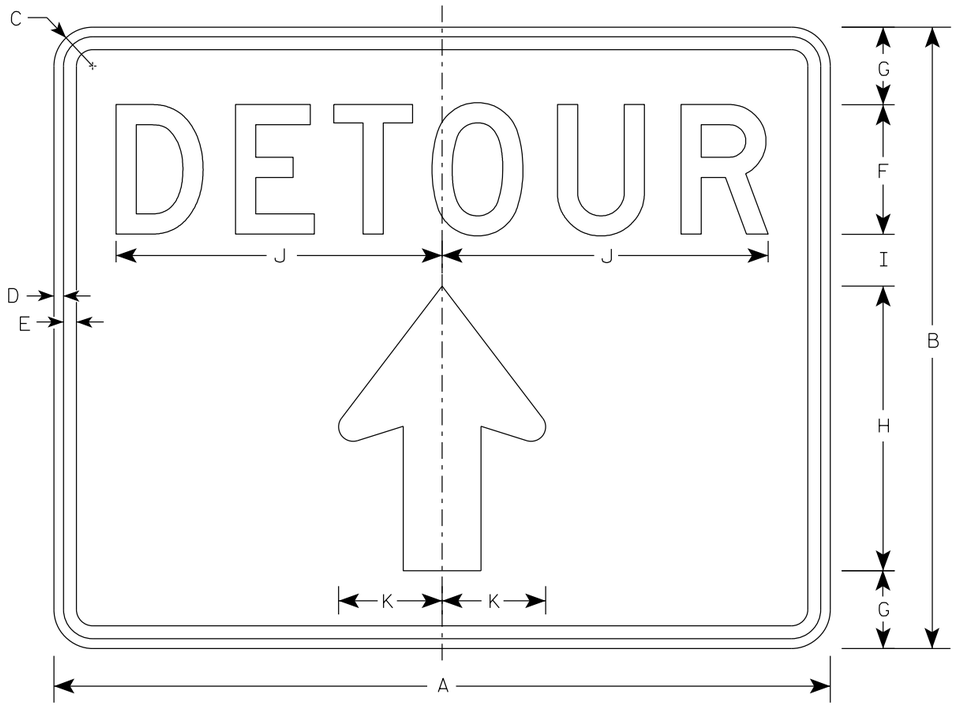
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9BA.3

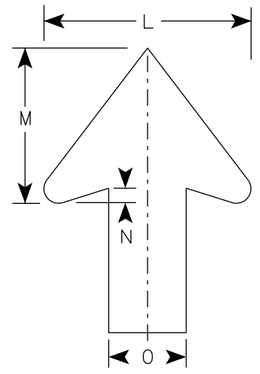
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 177 E

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D



M4-9RA



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
2M	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
3																											
4																											
5																											

STANDARD SIGN
M4-9RA

WISCONSIN DEPT OF TRANSPORTATION

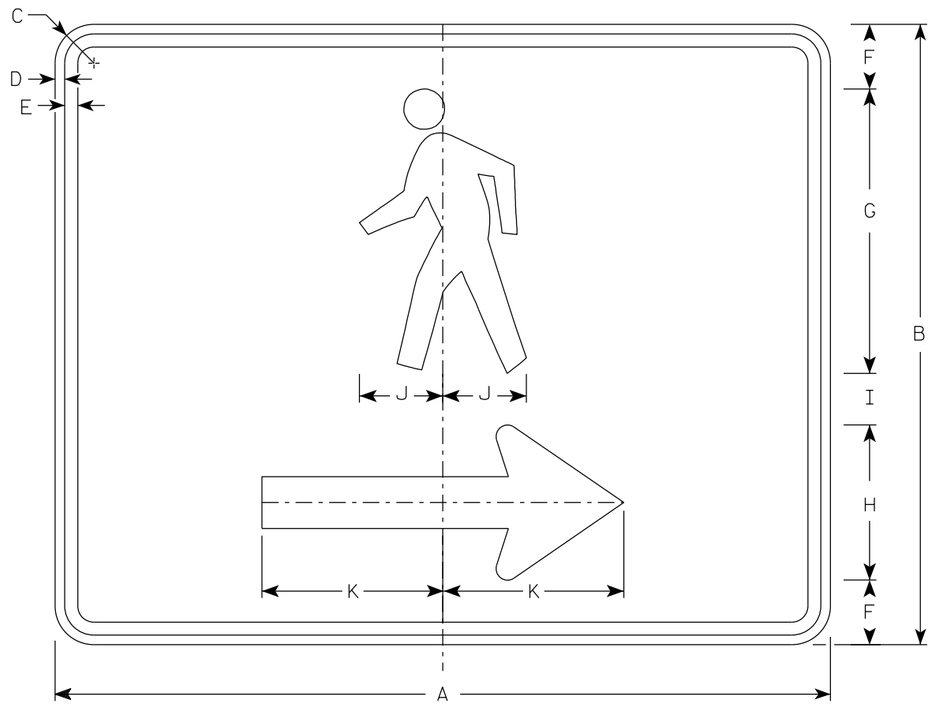
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9RA.3

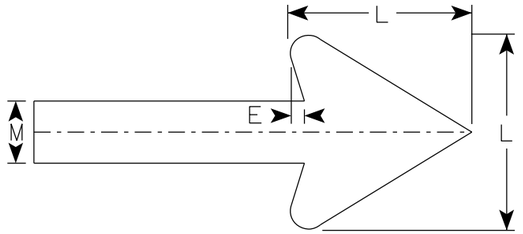
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 178	E

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-60L is the same as M4-60R except the arrow is reversed.



M4-60R



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
2M	30	24	1 ½	⅜	½	2 ½	11	6	2	3 ¼	7	6	2														5.00
3																											
4																											
5																											

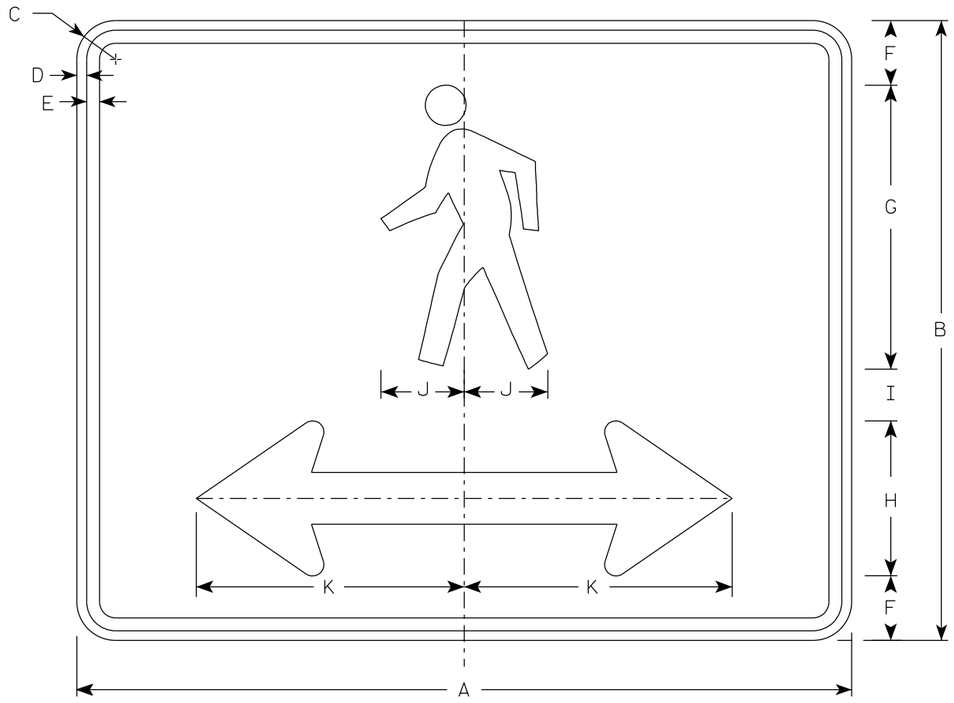
STANDARD SIGN
M4-60 L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60.2

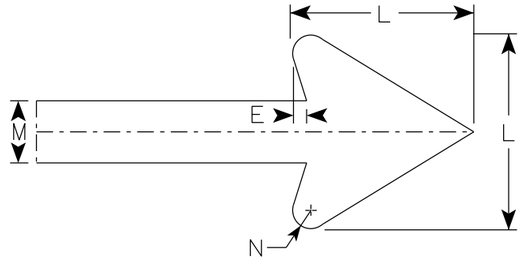
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 179 | E



M4-60D

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
3																											
4																											
5																											

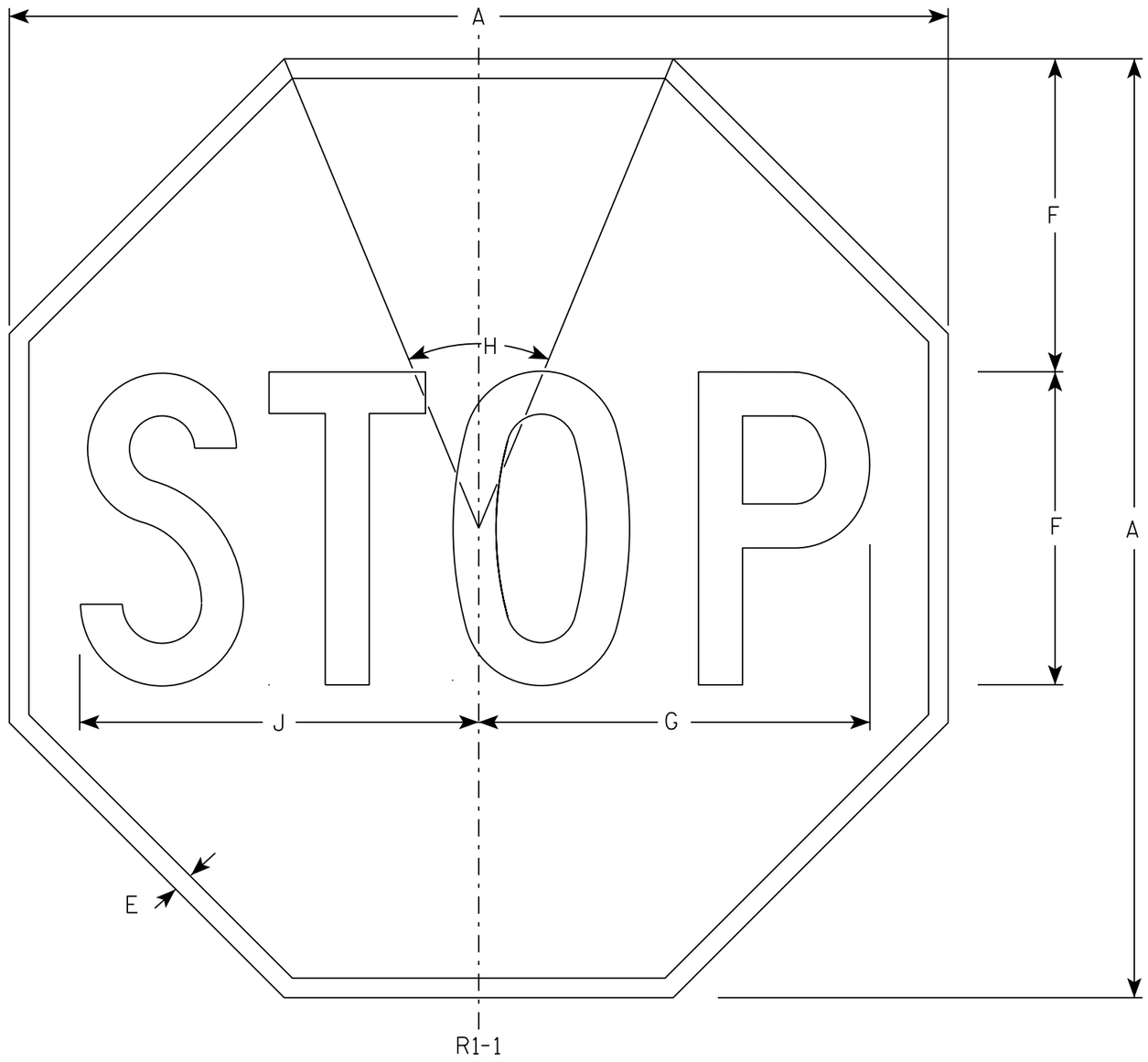
STANDARD SIGN
M4-60D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60D.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 180 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

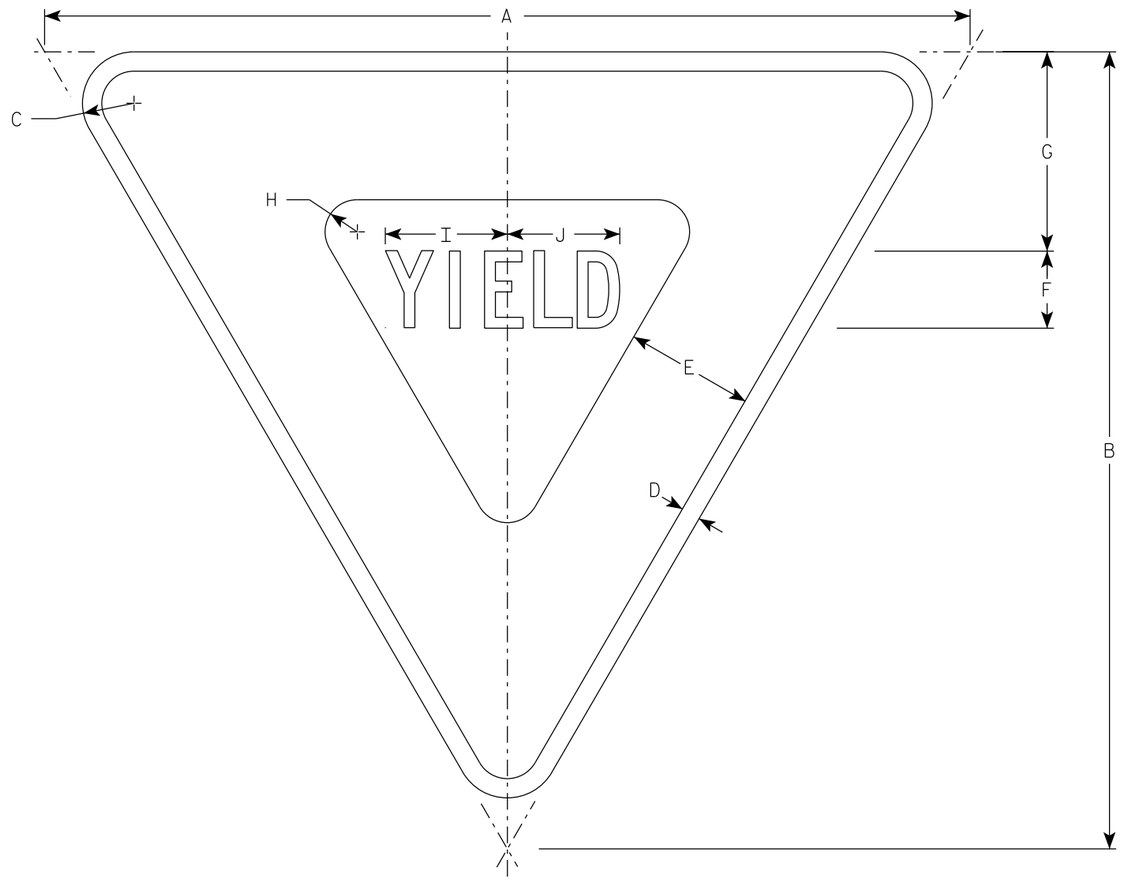
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 181	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 4
3. Message Series - C
4. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

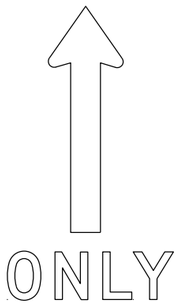
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/10/2024 PLATE NO. R1-2.13

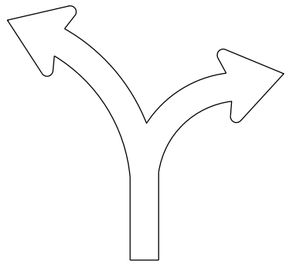
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 182	E

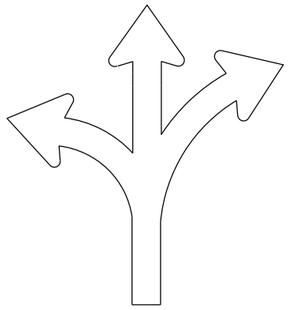


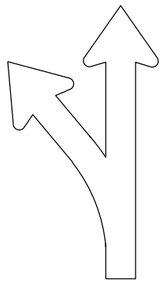
(A)

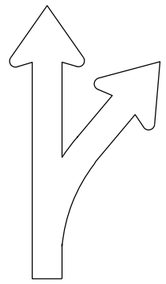


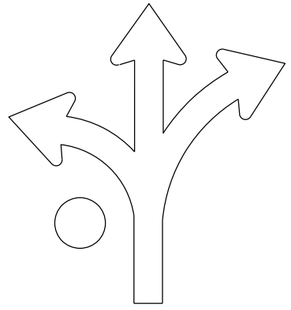
(B)

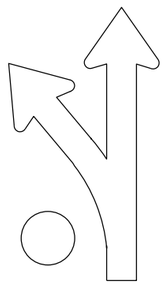

(C)

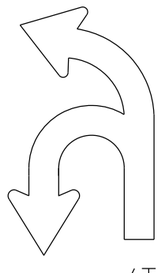

(D)

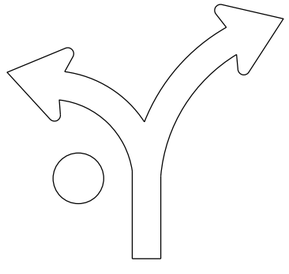

(E)

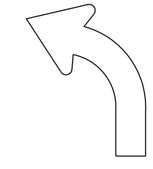

(F)


(G)

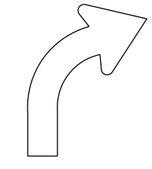

(H)


(I)


(J)



(L)



(R)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,J are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

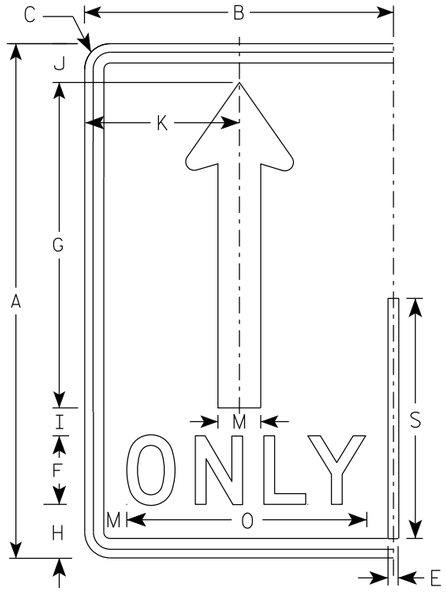
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

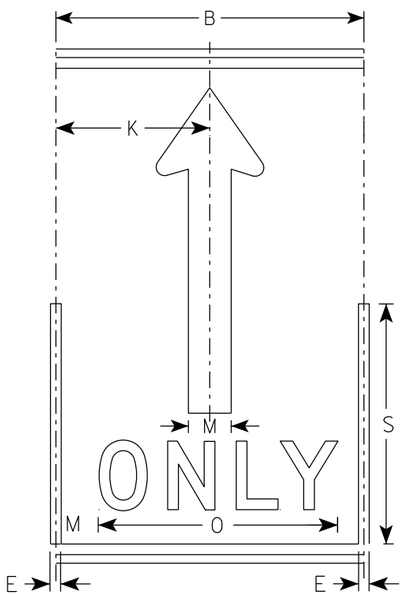
DATE 2/14/23 PLATE NO. R3-8.2

NOTES

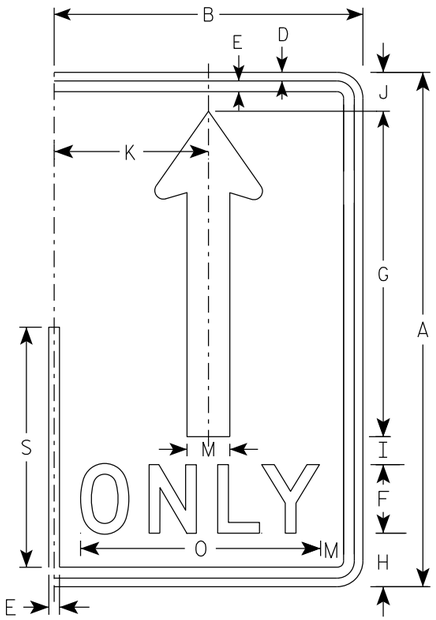
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



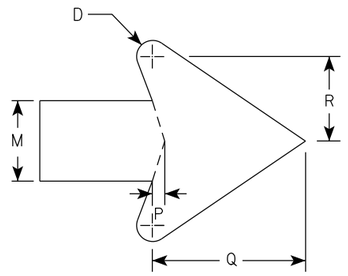
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

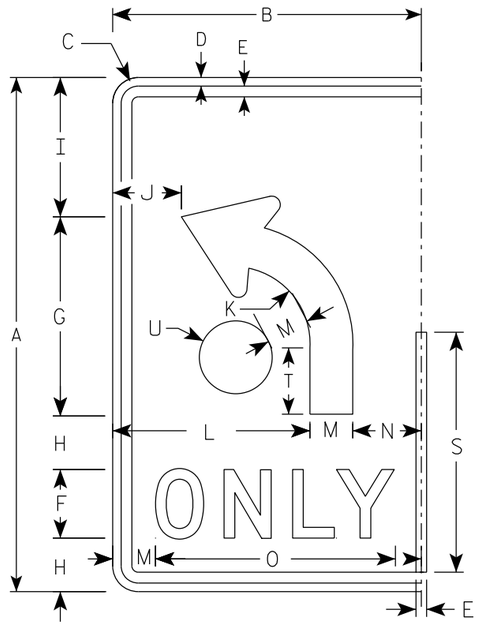
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

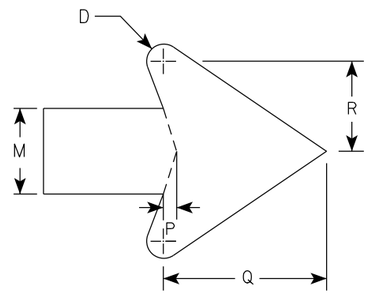
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 184 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

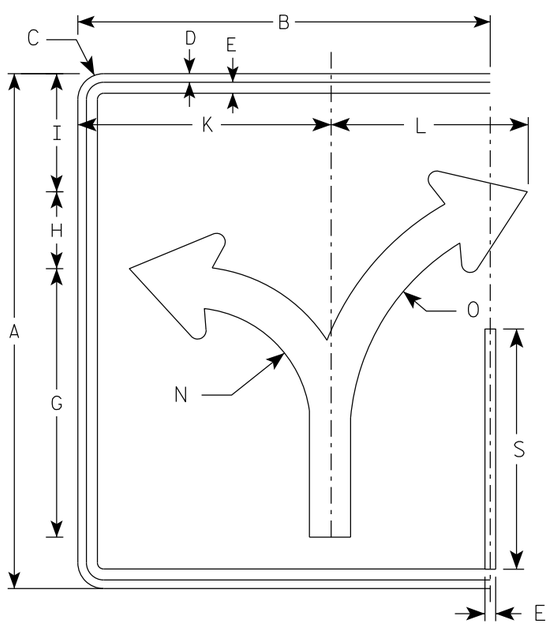
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

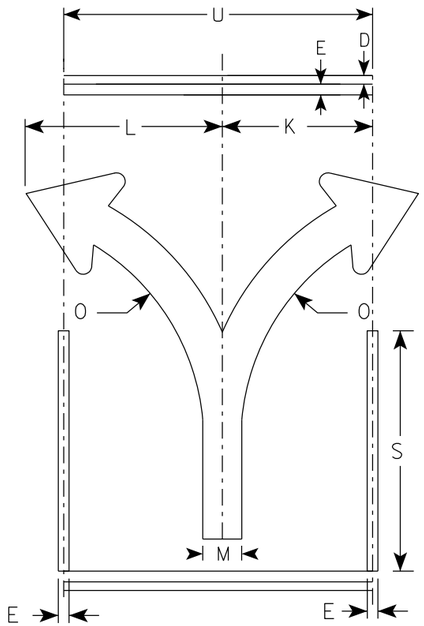
SHEET NO: 185 E

NOTES

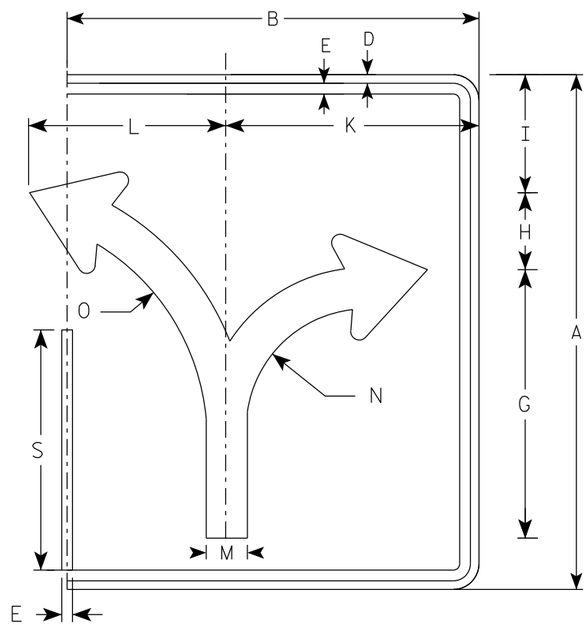
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



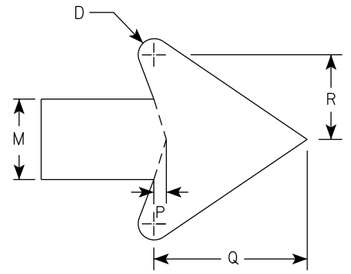
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

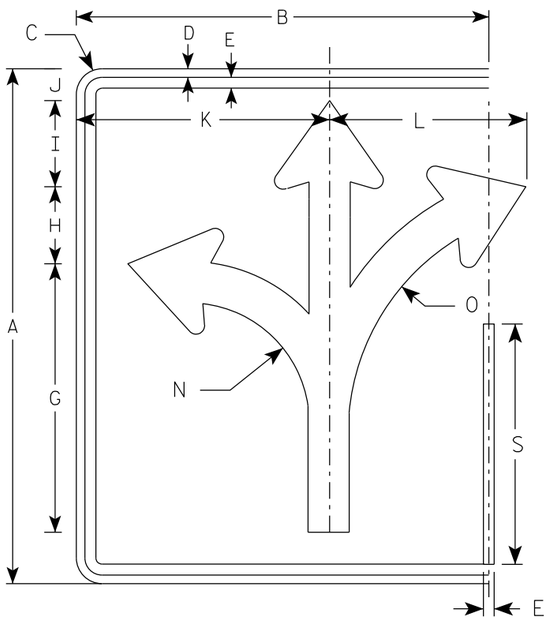
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 186 E

7

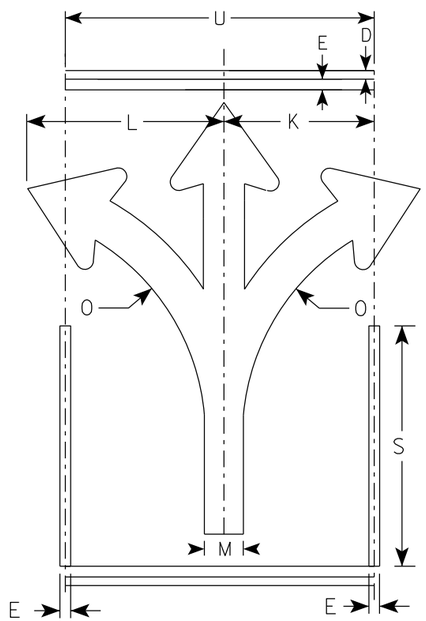
7

NOTES

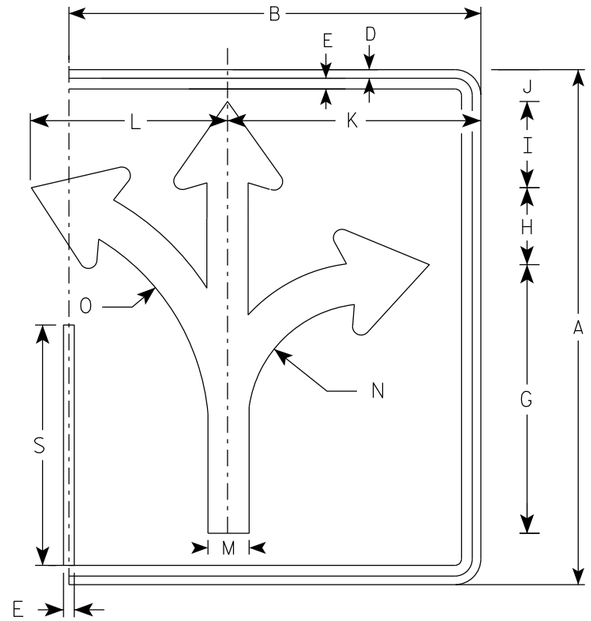
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



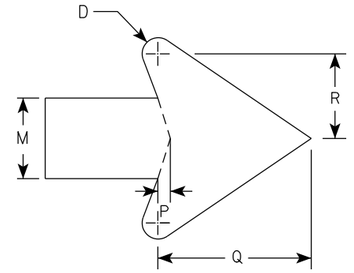
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

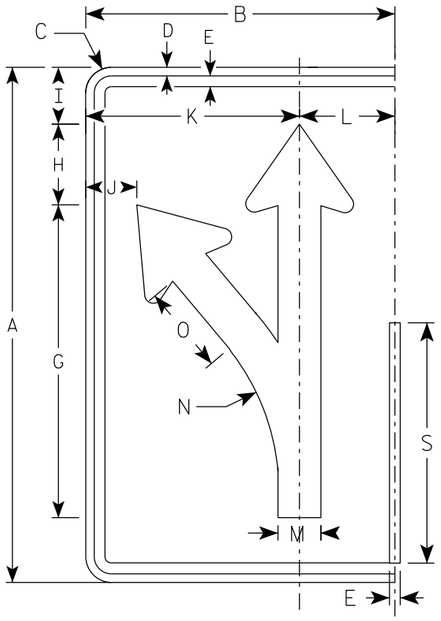
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

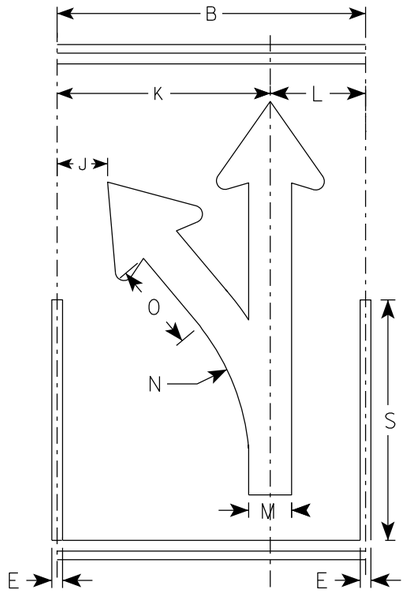
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 187 E

NOTES

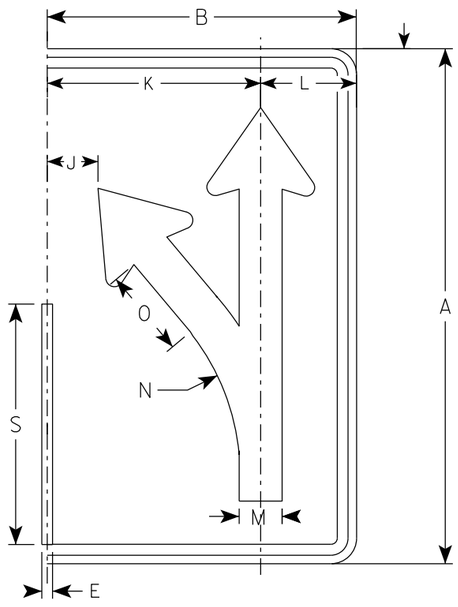
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



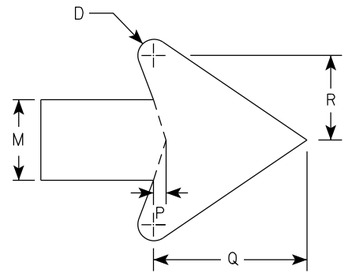
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

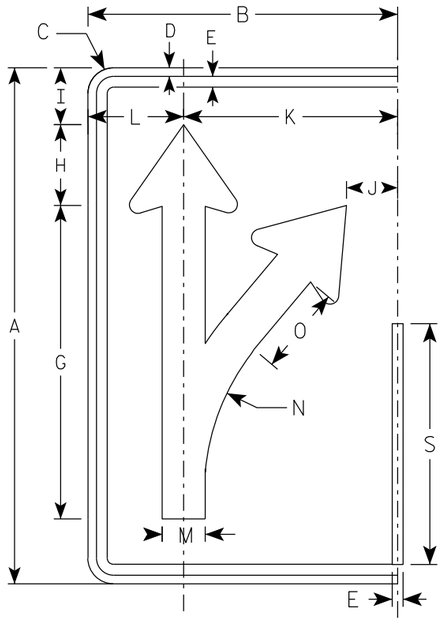
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

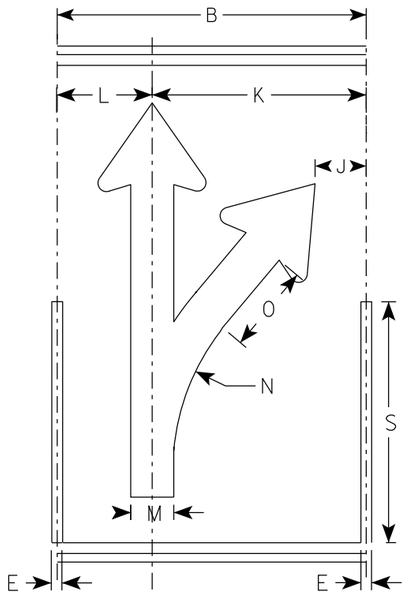
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 188 | E

NOTES

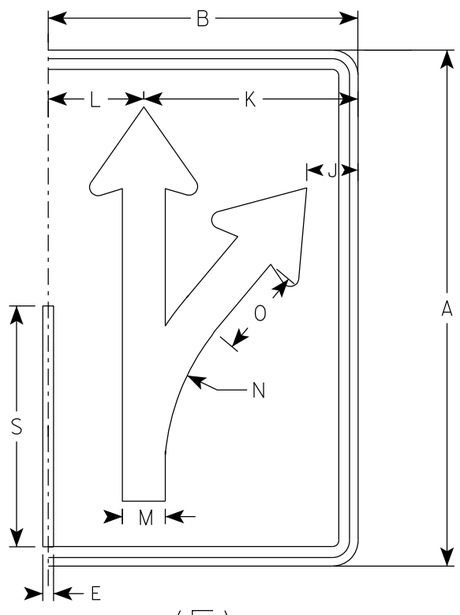
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



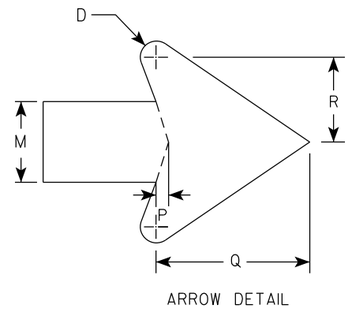
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

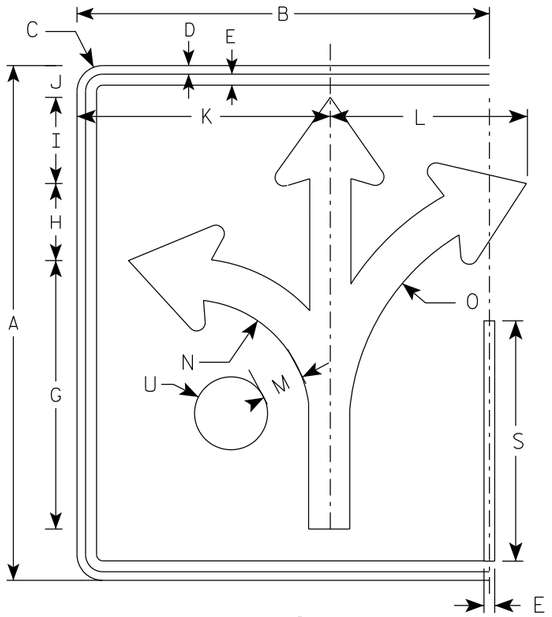
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

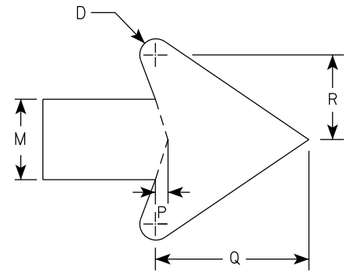
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 189 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

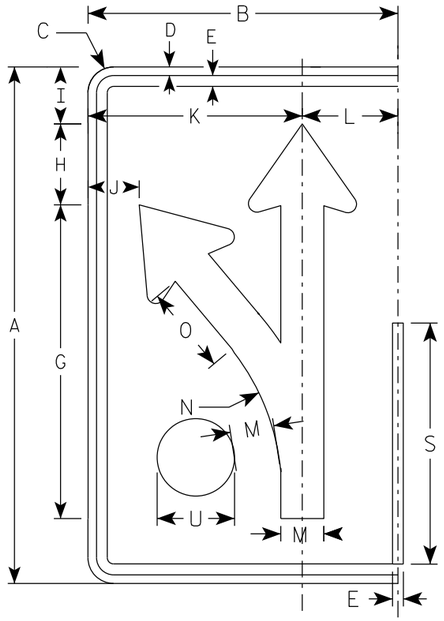
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

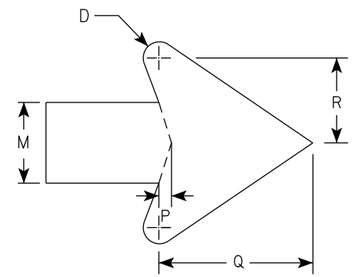
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 190	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 1/2	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

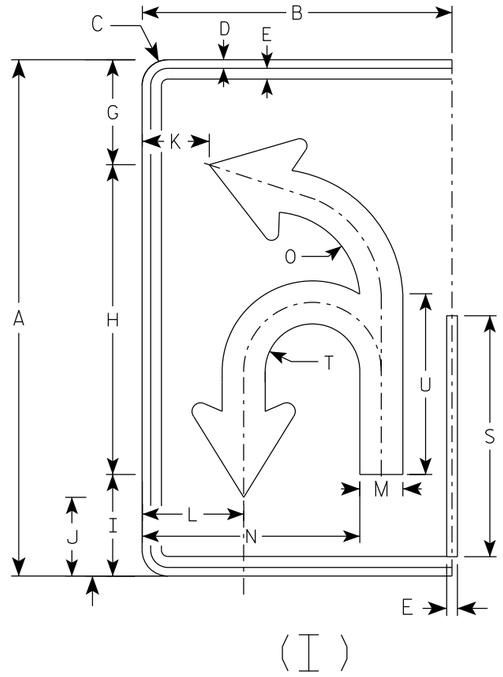
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

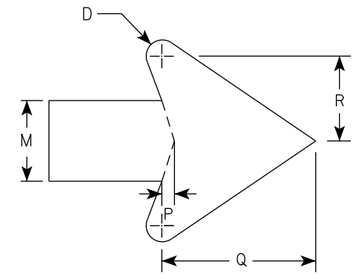
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 191 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 1/2	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 1/2	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

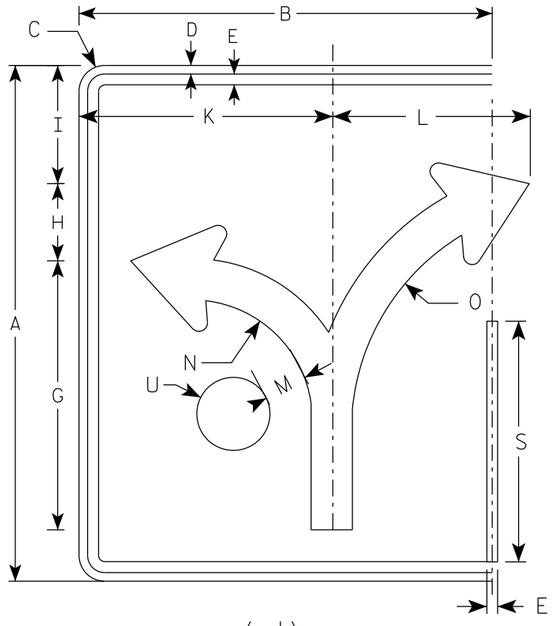
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

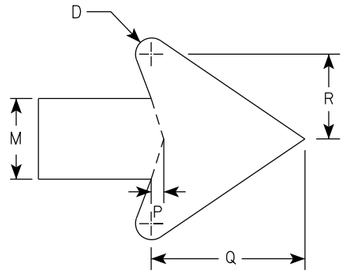
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 192 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(J)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 1/2	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 1/2	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (J) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

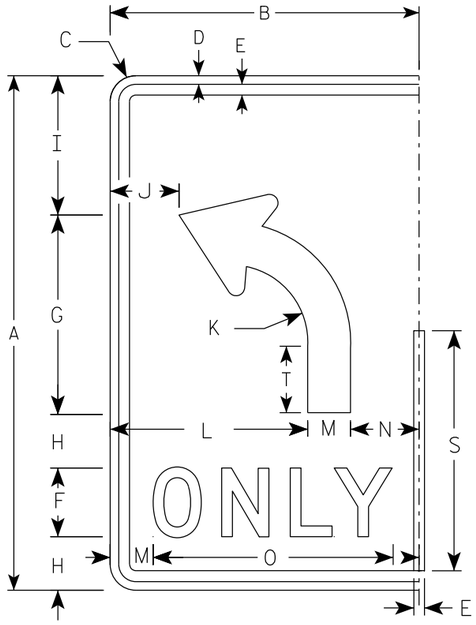
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 193 | E

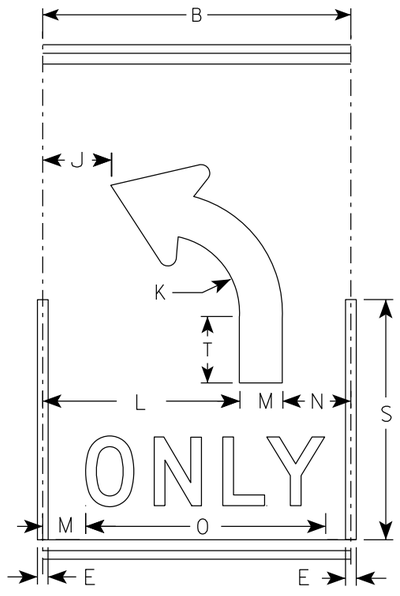
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

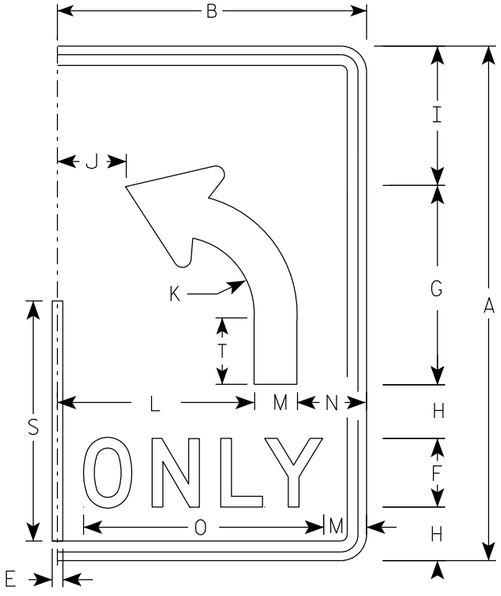
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



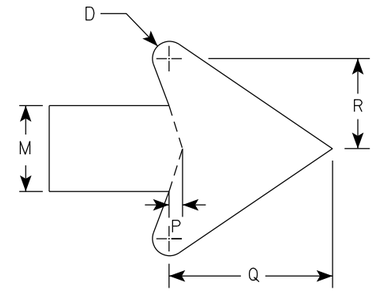
(L)



(L)



(L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
2M	30	18	1 ½	½	⅝	4	11 ⅝	3 ⅛	8 ⅛	4	4 ½	11 ½	2 ½	4	14	⅜	4 ¾	2 ⅝	14	3 ⅞							3.75
3	36	24	1 ½	½	⅝	5	14	3 ½	9 ¾	6	5 ⅜	15	3	6	17 ⅝	½	5 ¾	3 ⅛	16 ¾	4 ⅝							6.0
4	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0
5	48	30	2 ¼	¾	1	6	18 ⅝	5 ⅛	13 ⅛	6 ⅛	7 ¼	18	4	8	21 ¾	⅝	7 ⅝	4 ¼	22 ⅜	6 ¼							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

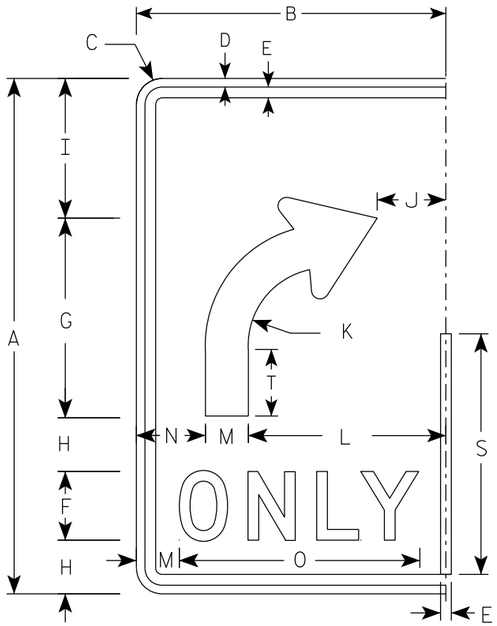
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

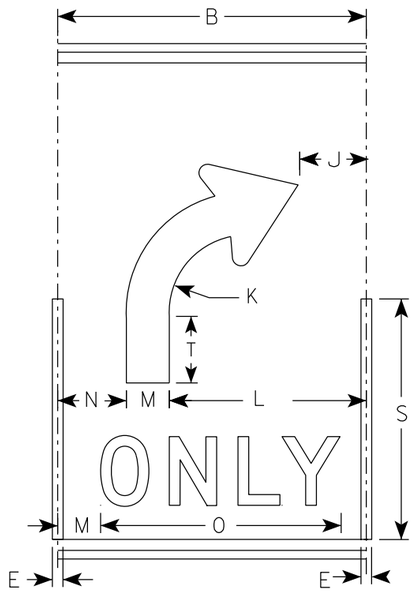
SHEET NO: 194 E

NOTES

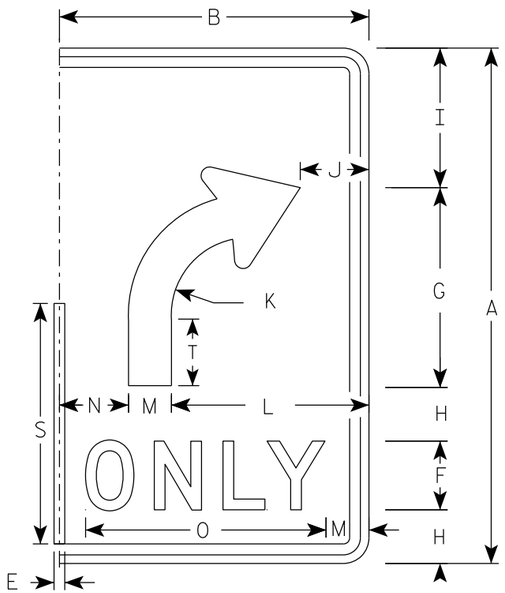
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



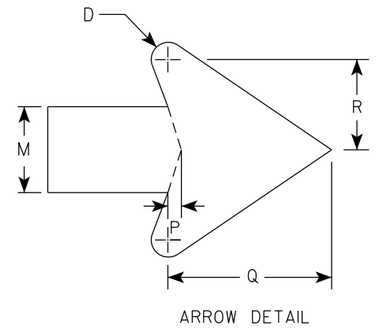
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 1/2	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 1/2	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

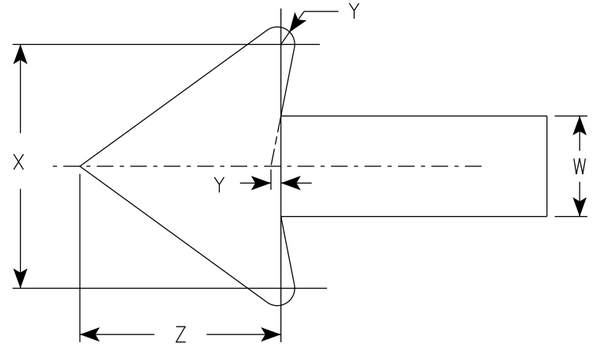
SHEET NO: 195 E



R7-51

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.
4. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/2	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/9/23 PLATE NO. R7-51.7

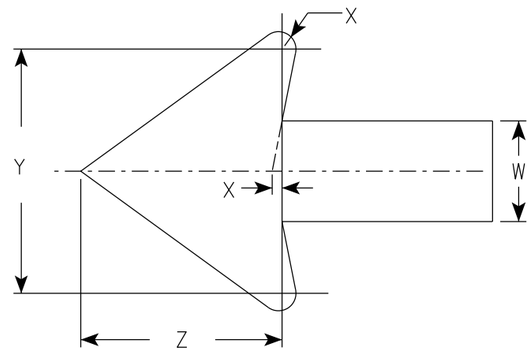
PROJECT NO:	HWY:	COUNTY:			SHEET NO: 196	E



R7-53

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 4
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-53D (double arrow)
   R7-53L (left arrow)
   R7-53R (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 5/8	1 3/4	1/4	4 1/2	2 3/8	3 7/8	3/4	1/8	1 3/4	1 1/2	1.5
2S	18	24	1 1/2	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	3 3/8	1 1/2	5/8	5 3/8	3	5 7/8	1 1/8	1/4	2 5/8	2 1/4	3.0
2M	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	4	2	5/8	6 5/8	3 5/8	7 3/4	1 1/2	1/4	3 1/2	3	5.0
3	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	4	2	5/8	6 5/8	3 5/8	7 3/4	1 1/2	1/4	3 1/2	3	5.0
4																											
5																											

STANDARD SIGN
R7-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/9/23 PLATE NO. R7-53.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 197 | E



R8-8

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/2	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
2M	24	30	1 1/2	3/8	1/2	4	3 5/8	2 1/4	9 1/4	9 5/8	6 5/8	3 5/8	10														5.0
3	36	48	1 7/8	1/2	5/8	6	6	4	13 7/8	14 3/8	9 7/8	5 3/8	15														12.0
4	48	60	3	3/4	1	8	7 1/4	4 1/2	18 1/2	19 1/4	13 1/4	7 1/4	20														20.0
5																											

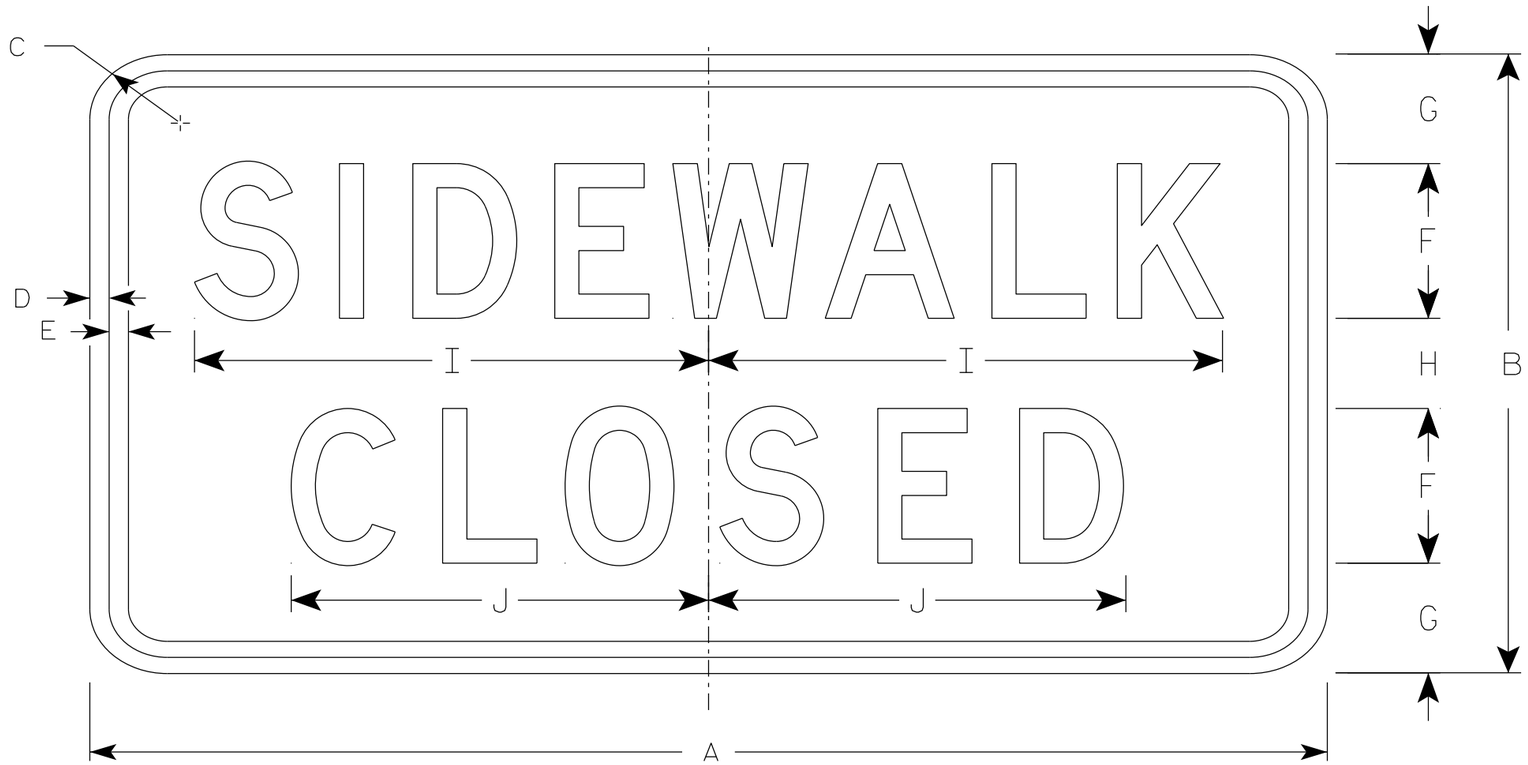
STANDARD SIGN
R8-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/24 PLATE NO. R8-8.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 198 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
2M	24	12	1 ½	½	½	3	2 ⅛	1 ¾	10	8 ⅛																	2.0
3	30	18	1 ½	½	½	4	3 ½	3	12 ½	10 ¼																	3.75
4																											
5																											

STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

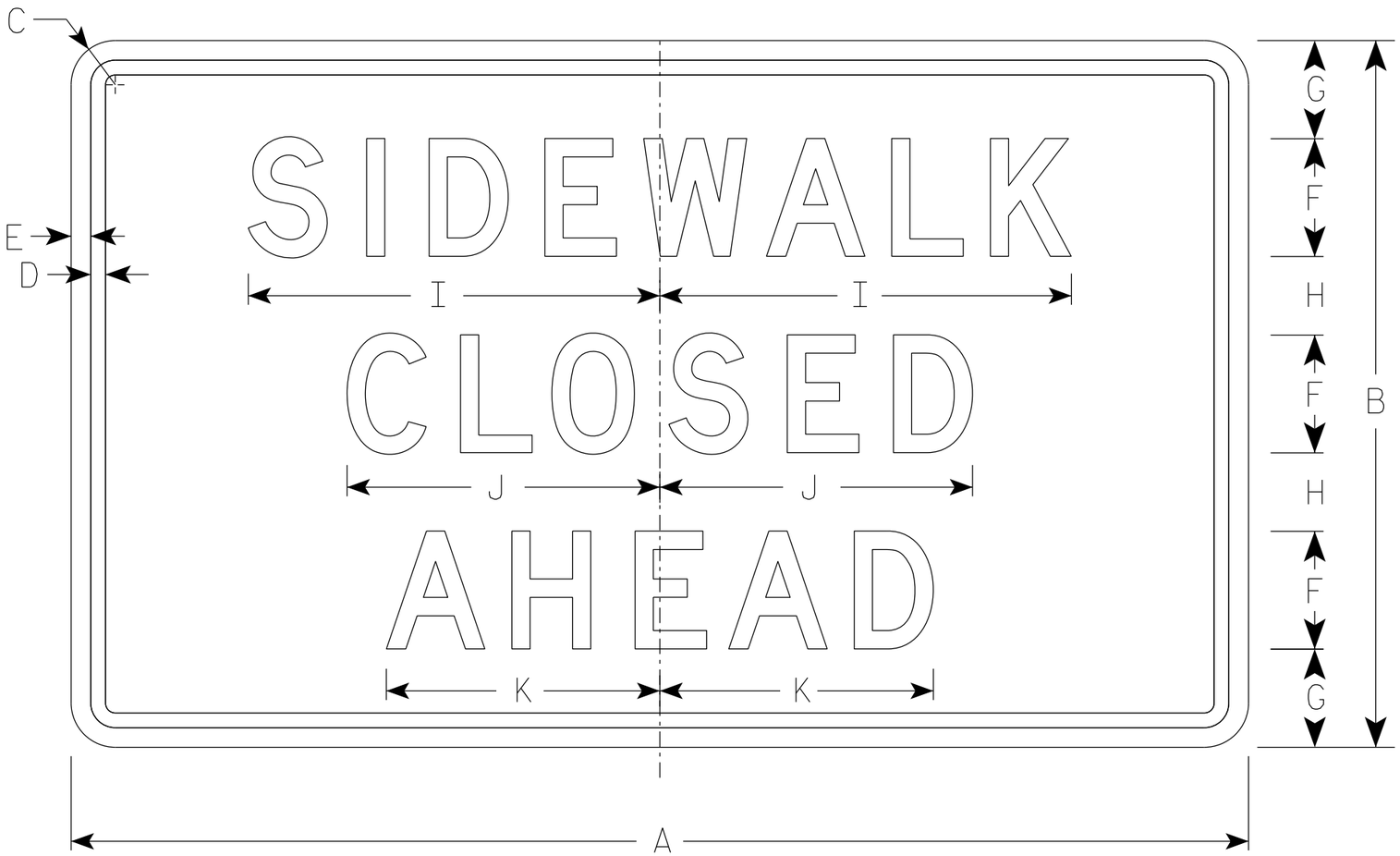
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 199 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R9-9A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
2M	30	18	1 ½	⅜	½	3	2 ½	2	10 ½	8	7																3.75
3																											
4																											
5																											

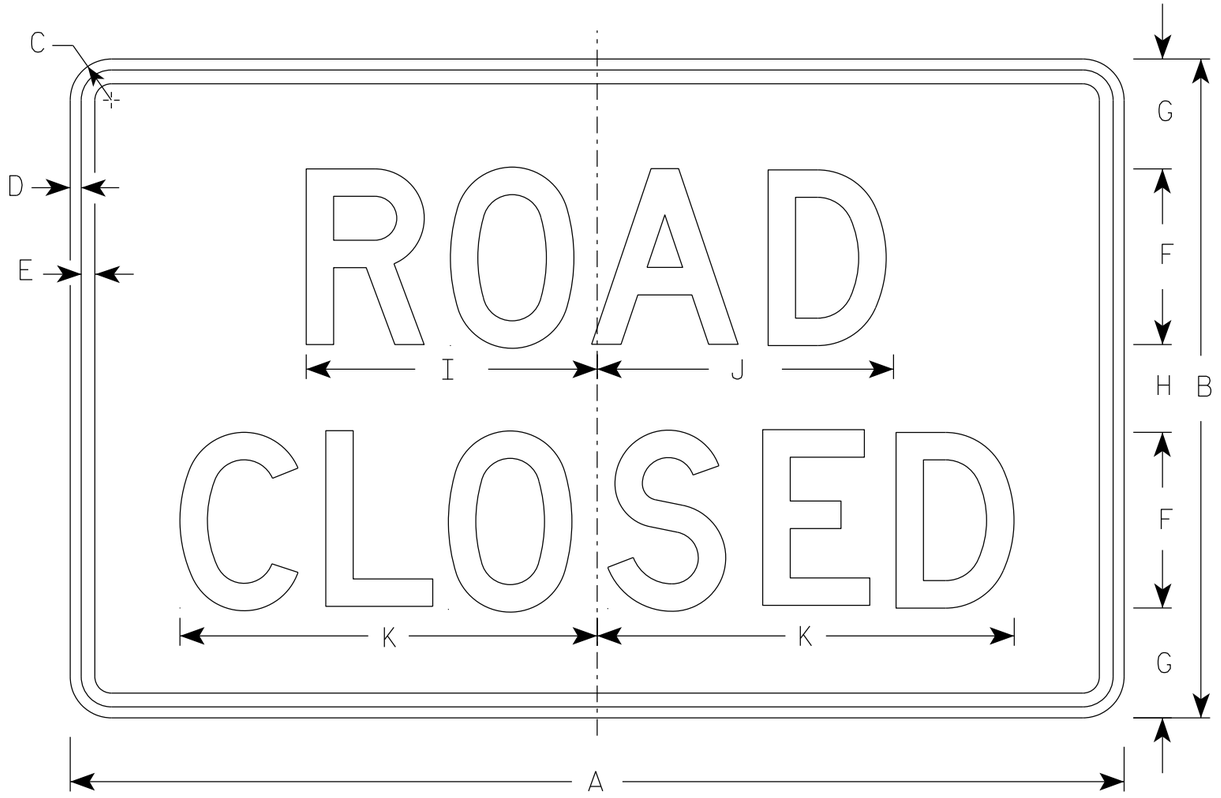
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

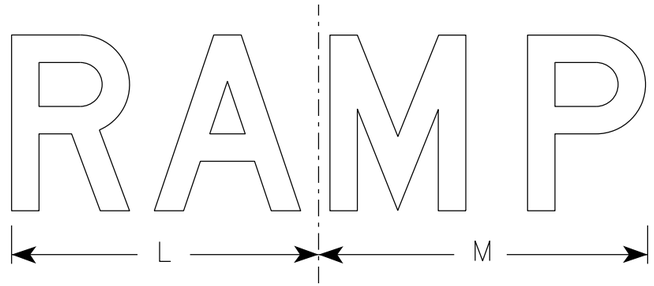
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 200	E



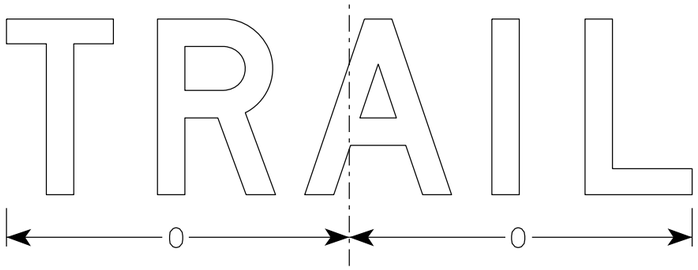
R11-2

NOTES

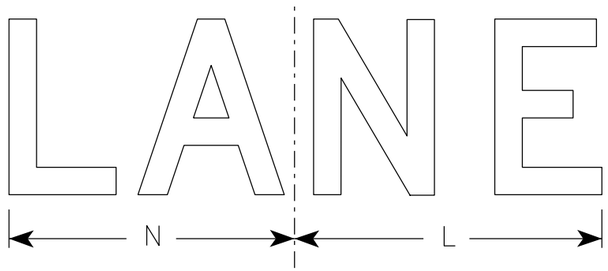
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2T



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

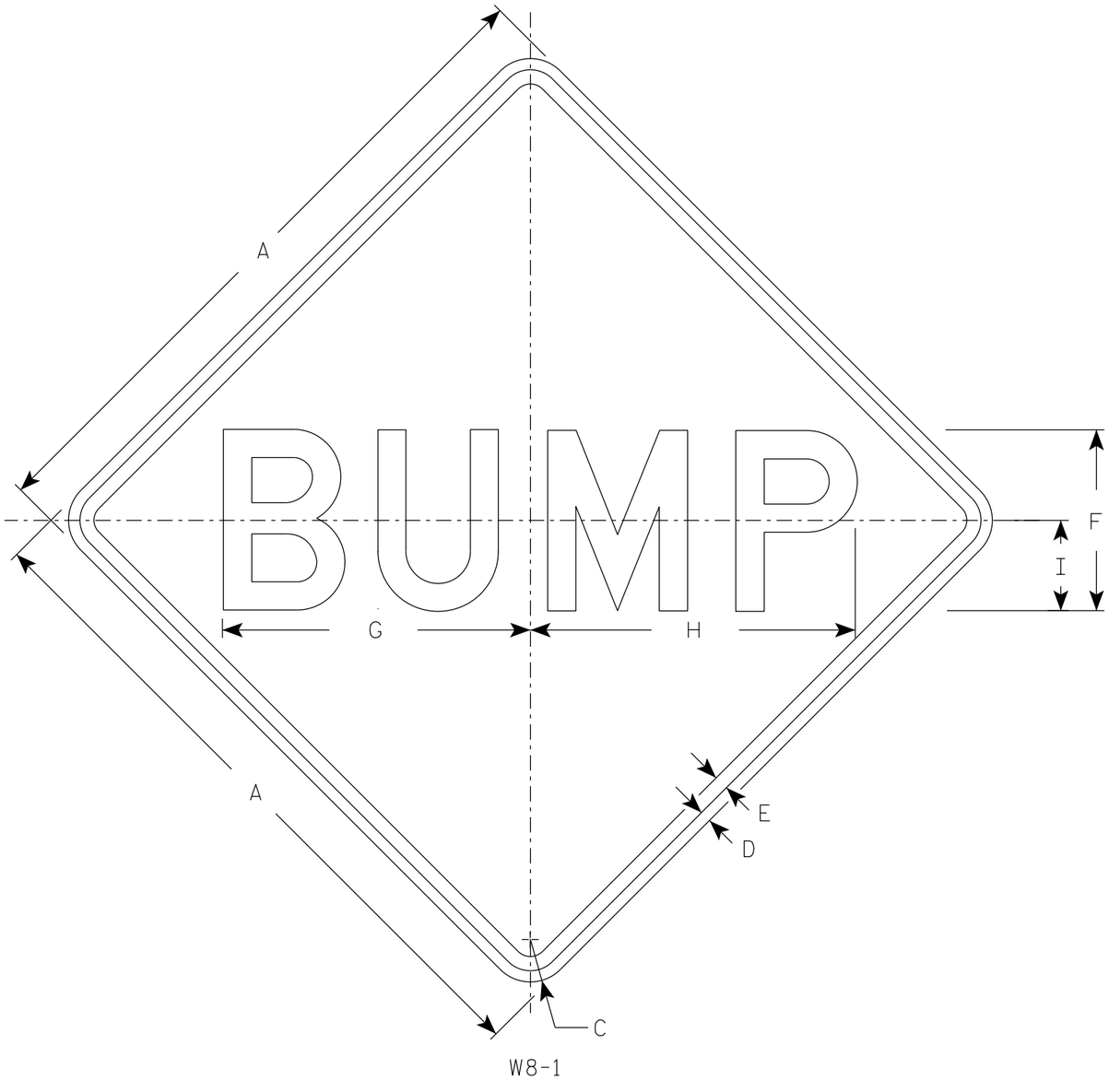
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W8-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/2	3/8	1/2	6	10 1/8	10 3/4	3																		4.0
2S	30		1 7/8	1/2	5/8	8	13 5/8	14 3/8	4																		6.25
2M	36		2 1/4	5/8	3/4	10	16 7/8	17 7/8	5																		9.0
3	36		2 1/4	5/8	3/4	10	16 7/8	17 7/8	5																		9.0
4	36		2 1/4	5/8	3/4	10	16 7/8	17 7/8	5																		9.0
5	48		3	3/4	1	12	20 3/8	21 5/8	6																		16.0

STANDARD SIGN

W8-1

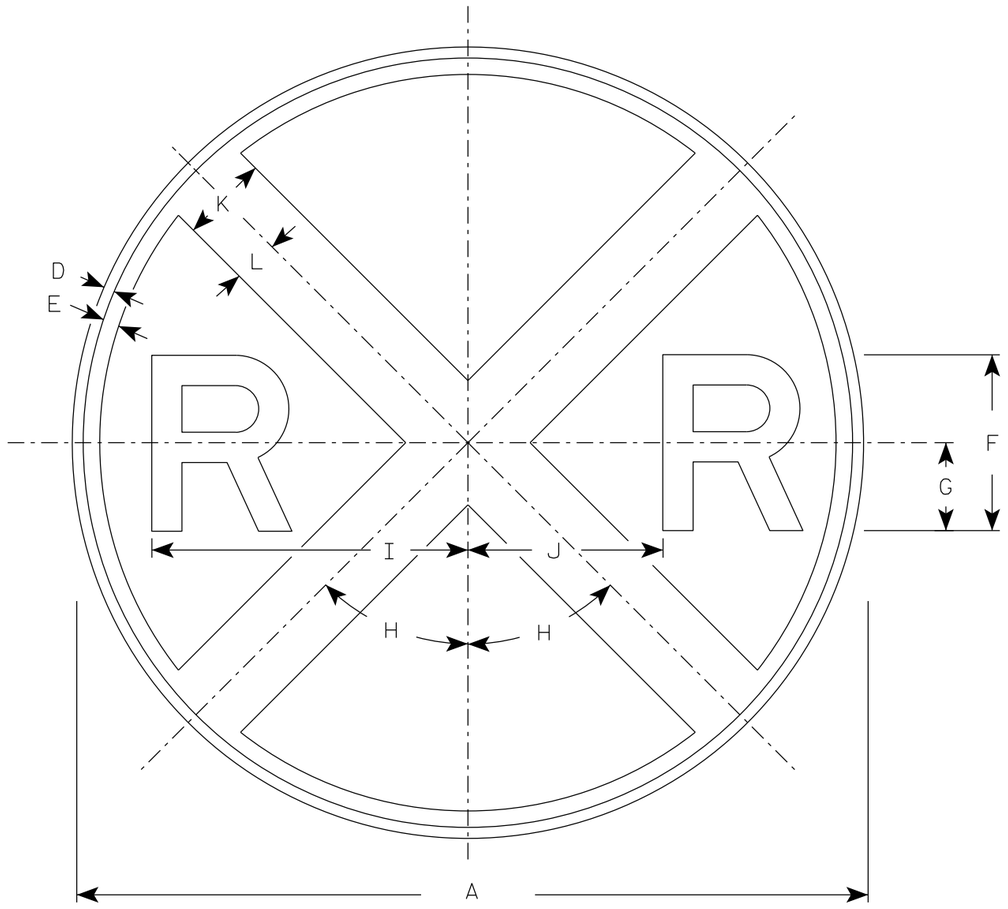
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/24/2023 PLATE NO. W8-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W81.dgn PLOT DATE : 24-OCT 2023 8:25 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W10-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

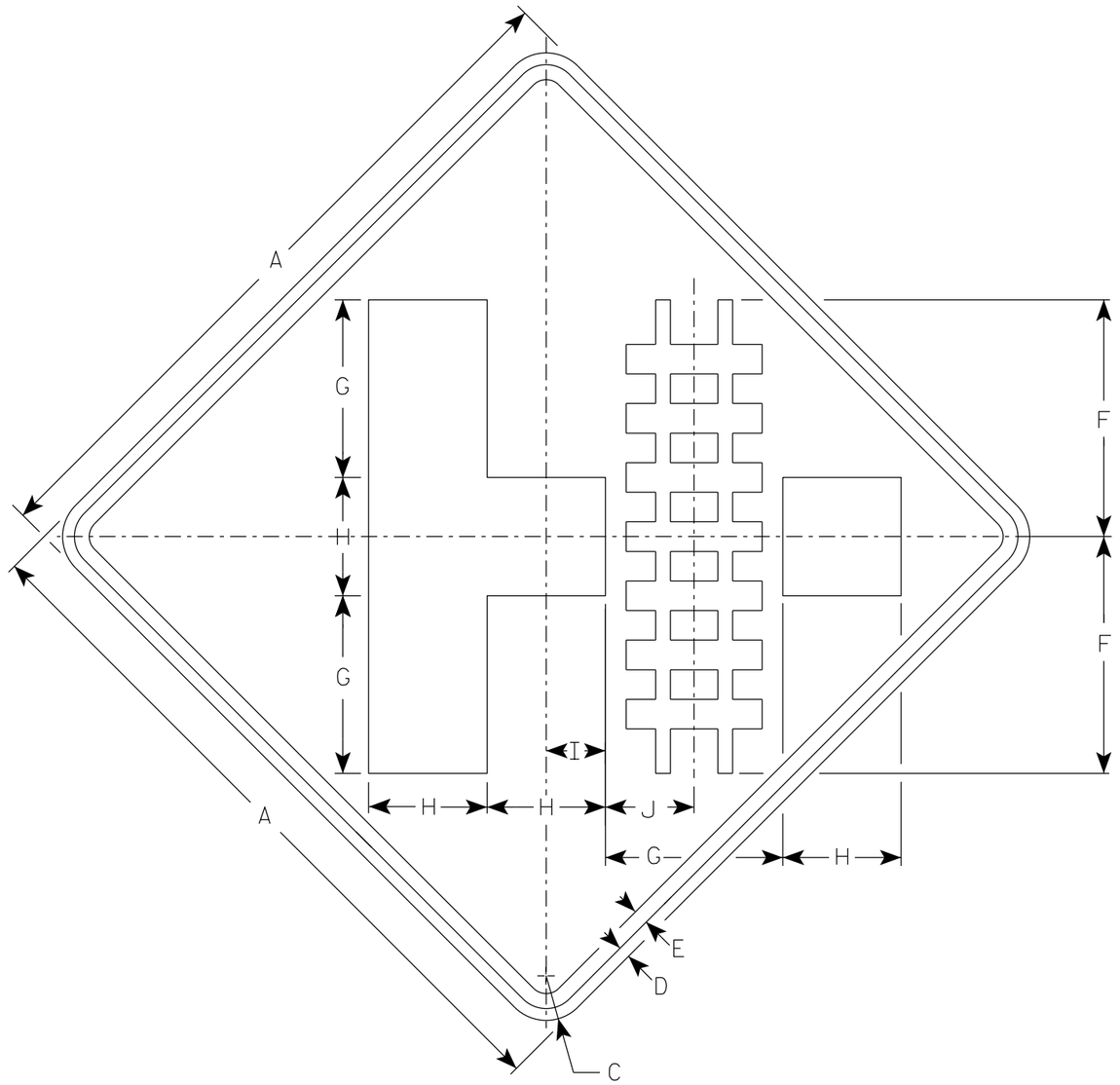
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/27/24 PLATE NO. W10-1.9

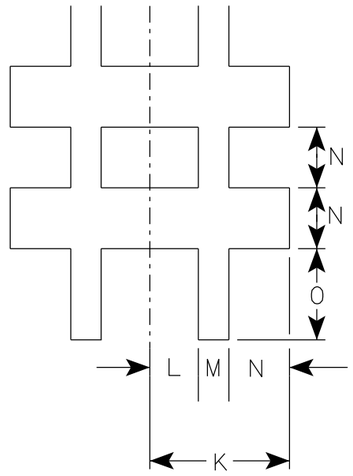
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 203 E



W10-3

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	10	7 1/2	5	2 1/2	3 3/4	2 7/8	1	5/8	1 1/4	1 7/8												6.25
2S	36		2 1/4	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
2M	36		2 1/4	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
3	36		2 1/4	5/8	3/4	12	9	6	3	4 1/2	3 3/8	1 1/8	3/4	1 1/2	2 1/4												9.0
4	48		3	3/4	1	16	12	8	4	6	4 1/2	1 1/2	1	2	3												16.0
5																											

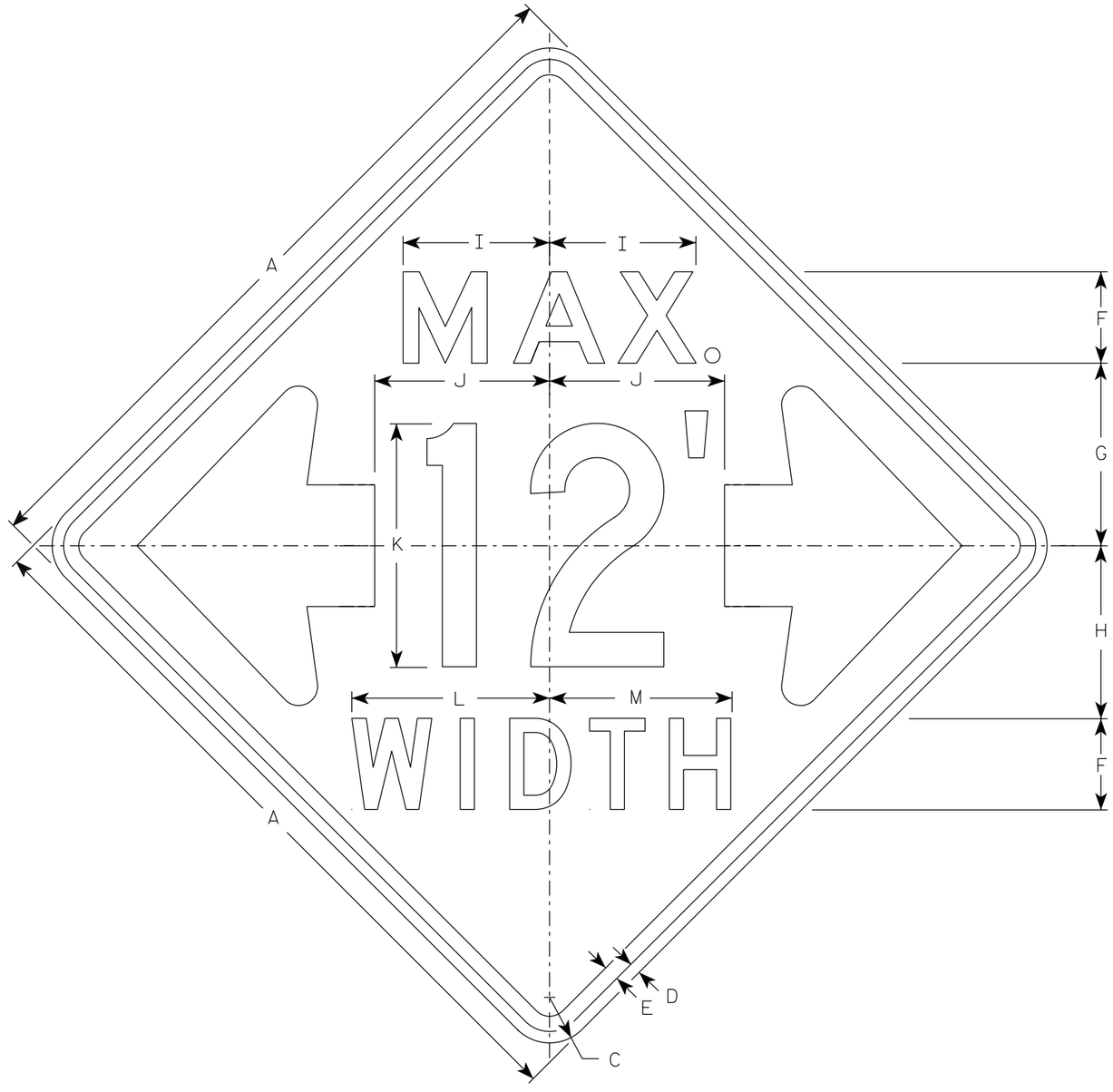
STANDARD SIGN
W10-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/13/2023 PLATE NO. W10-3.9

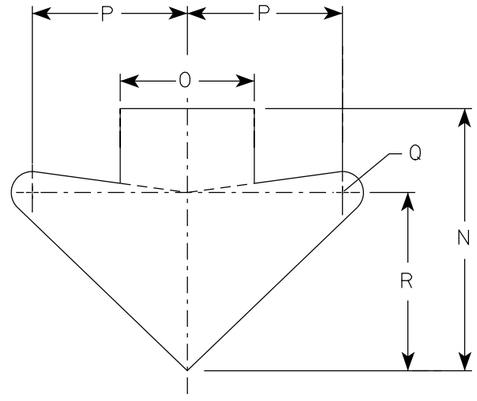
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 204 E



W12-52

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. The top line is series E, the numerals are series C, and the bottom line is series D.
5. Substitute appropriate numerals and adjust spacing as required.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
2M	48		3	¾	1	6	12	11 ⅜	9 ⅝	11 ½	16	13	12	15 ⅝	8	9 ¼	1 ¼	10 ⅝									16.0
3																											
4																											
5																											

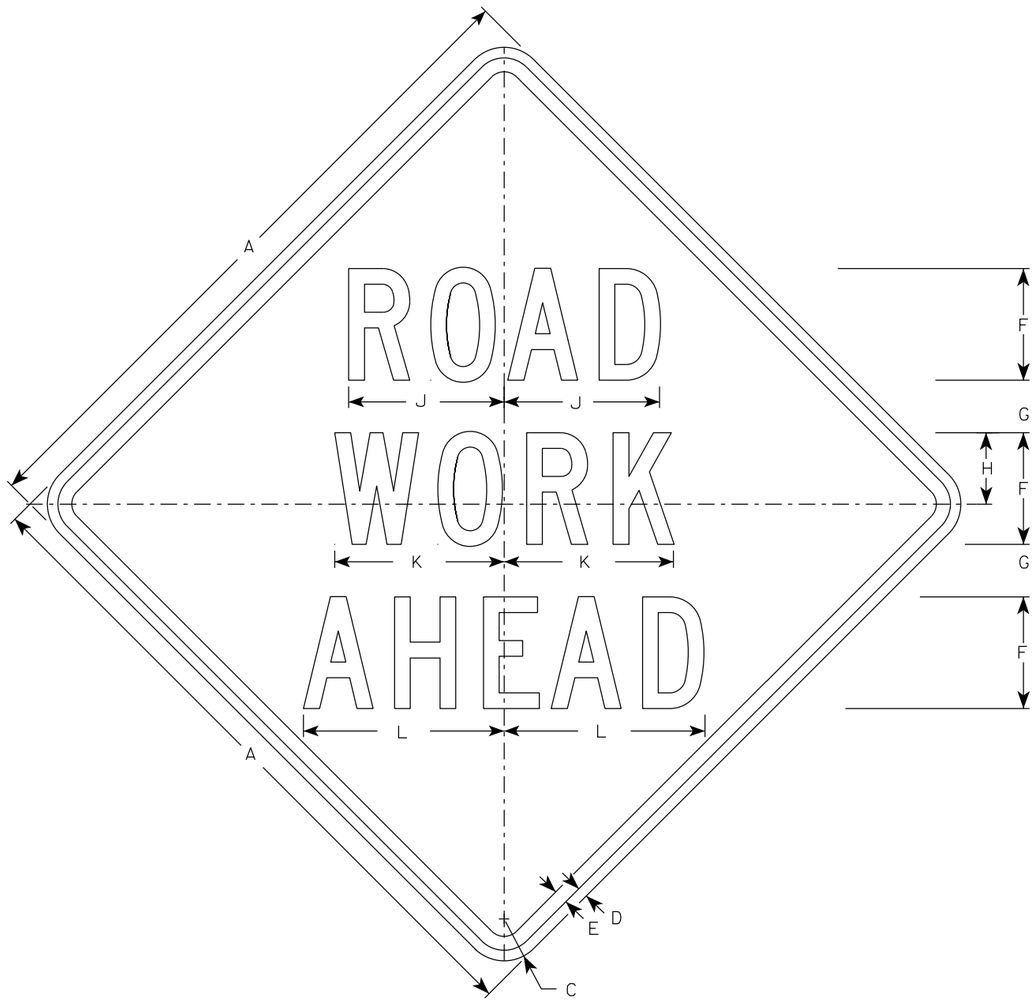
STANDARD SIGN
W12-52

WISCONSIN DEPT OF TRANSPORTATION

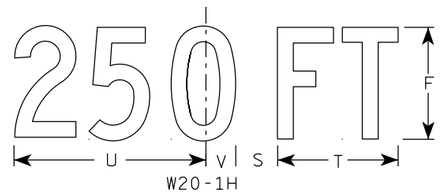
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/2024 PLATE NO. W12-52.8

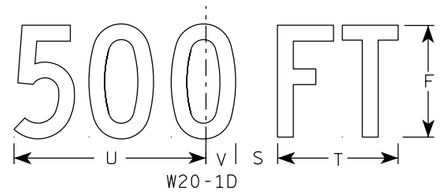
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 205 E



W20-1A



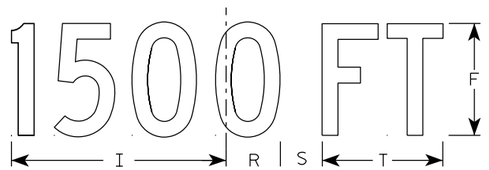
W20-1H



W20-1D



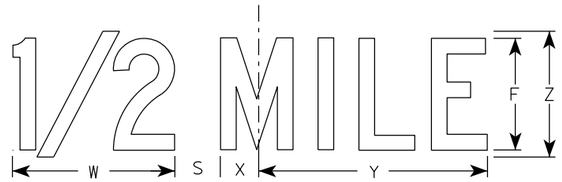
W20-1C



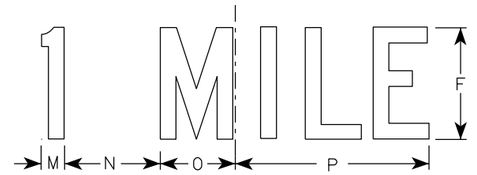
W20-1B

NOTES

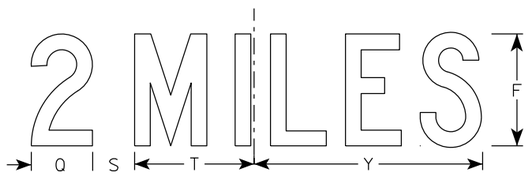
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		3	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

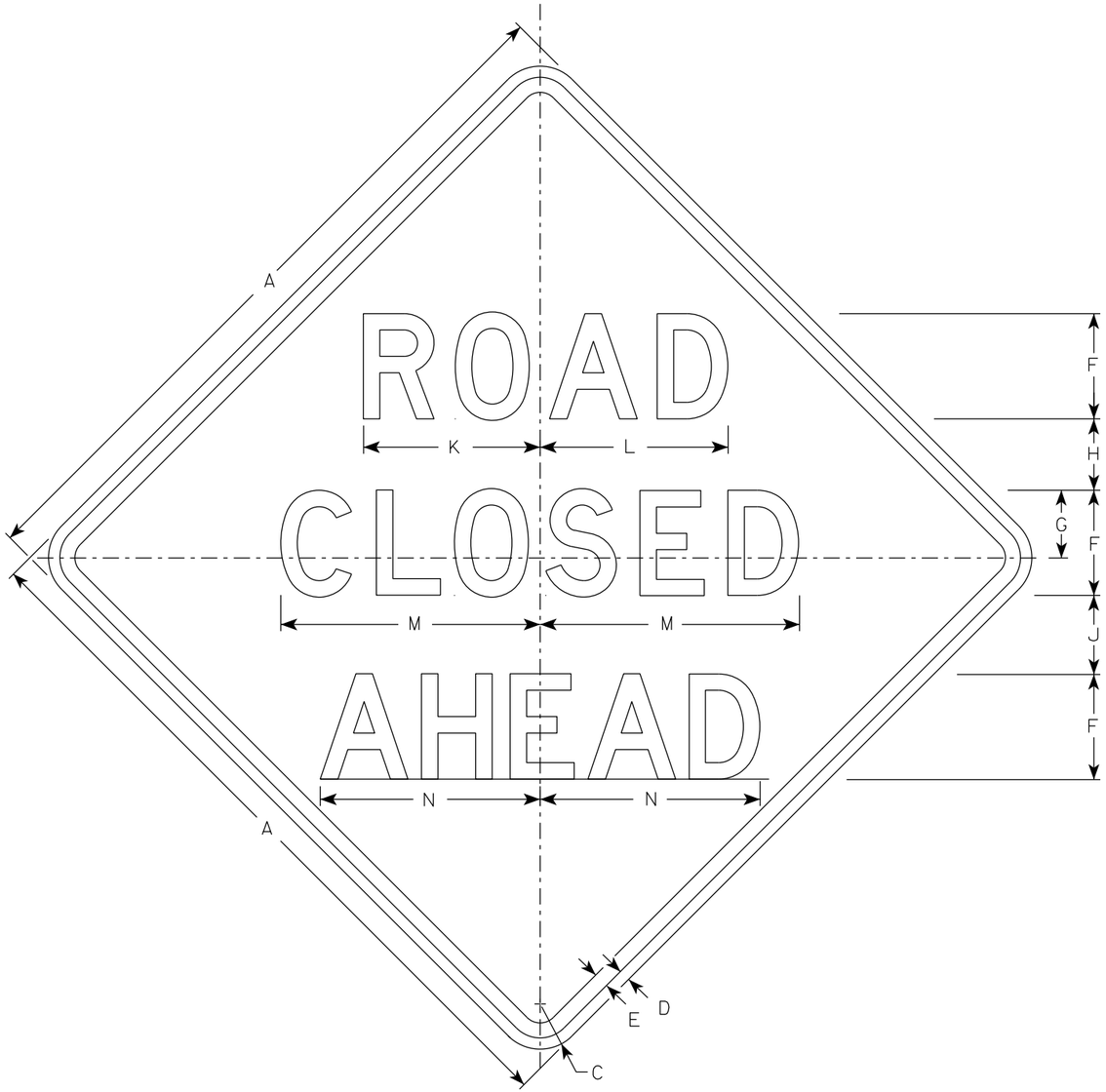
SHEET NO: 206 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

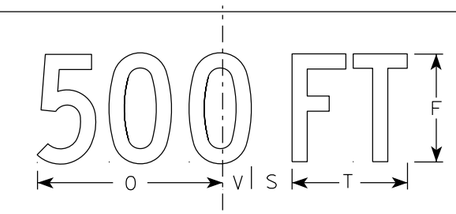
WISDOT/CADDS SHEET 42

7

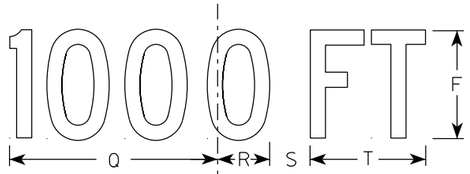
7



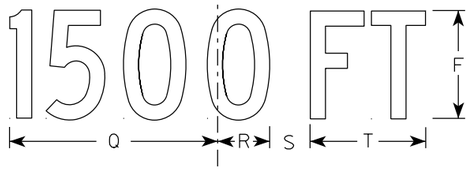
W20-3A



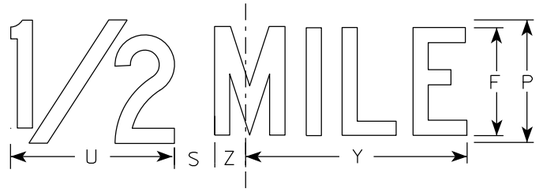
W20-3D



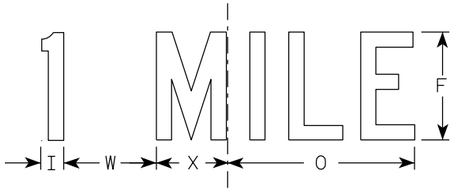
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

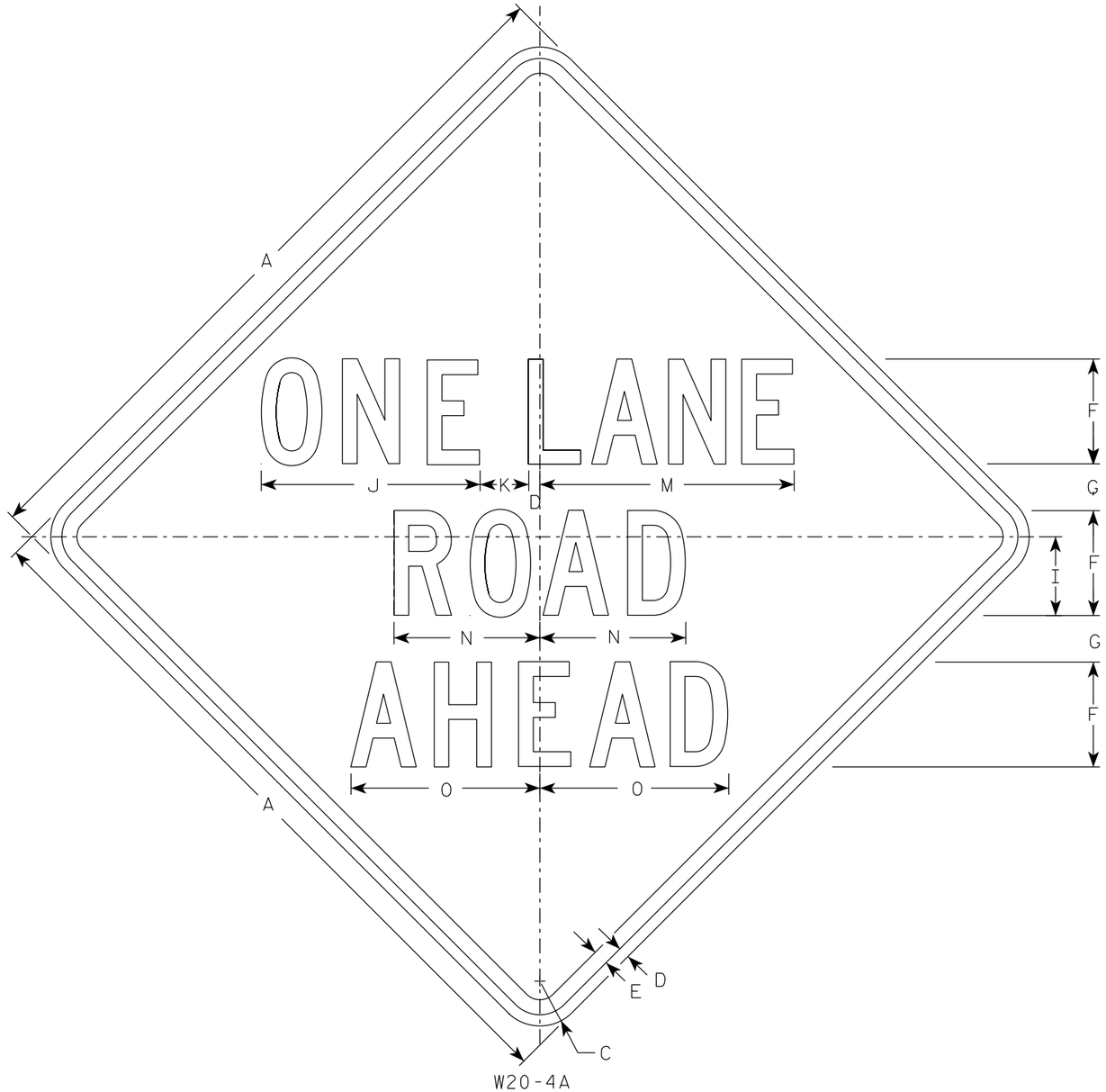
WISCONSIN DEPT OF TRANSPORTATION

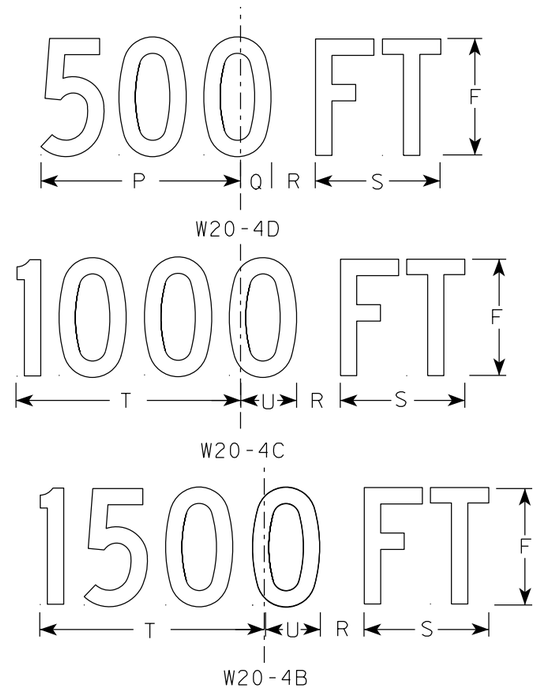
APPROVED Matthew R Rauch
for State Traffic Engineer

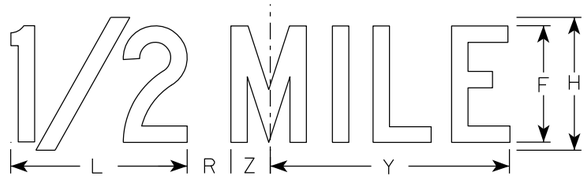
DATE 1/10/2024 PLATE NO. W20-3.8

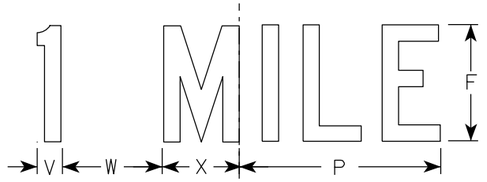
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42









NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5	2 3/8	6	3 3/4	10 3/8	2 3/8	8	13 1/2	7	8 7/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
3	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
4	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0
5	48		3	3/4	1	7	3 1/8	8	5 1/4	14 5/8	3 1/4	10 5/8	17 3/4	9 3/4	12 5/8	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-4A, B, C, D, F & G

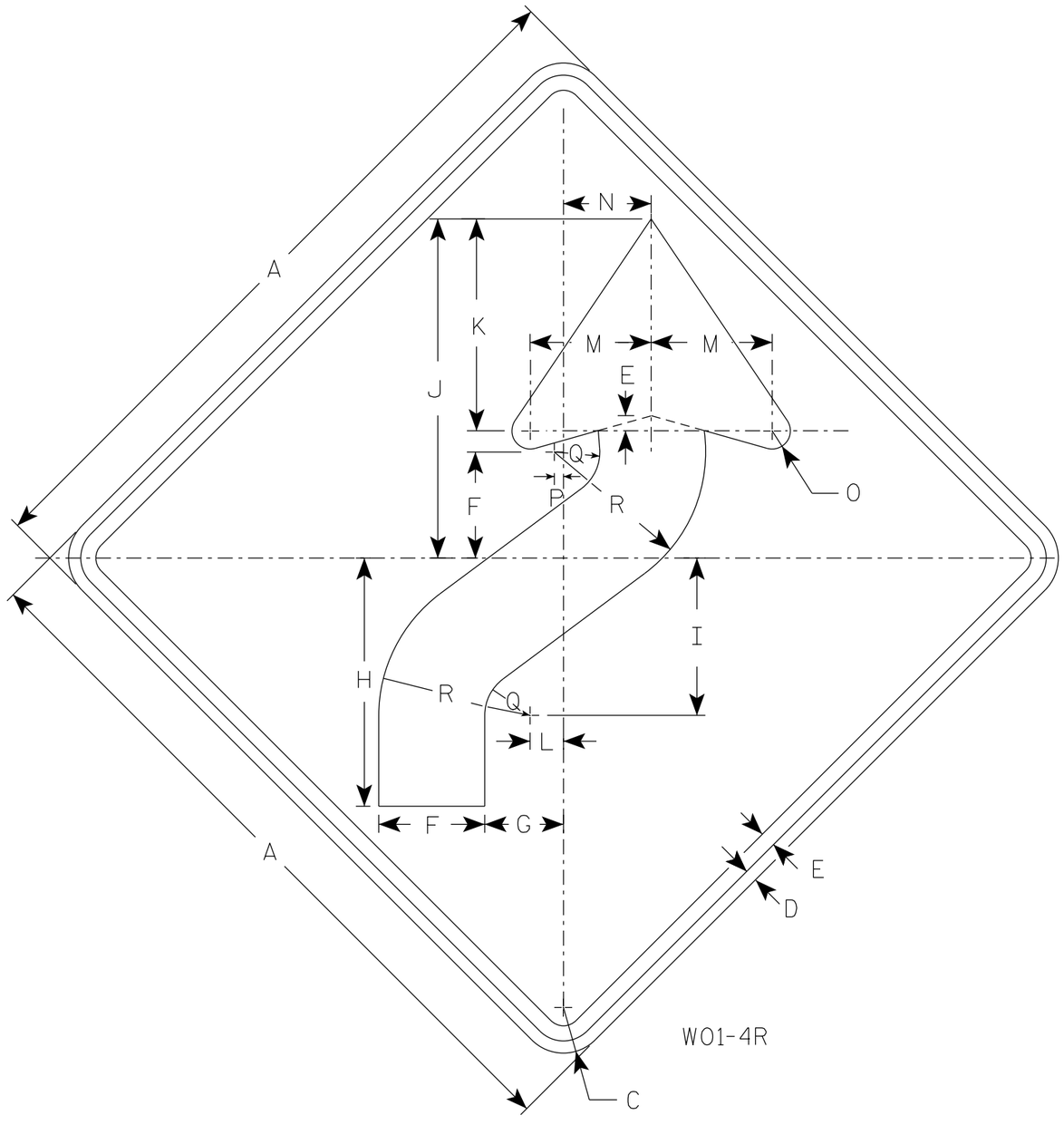
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-4.10

PROJECT NO:

SHEET NO: 208 E



WO1-4R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. WO1-4L is the same as WO1-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		3	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

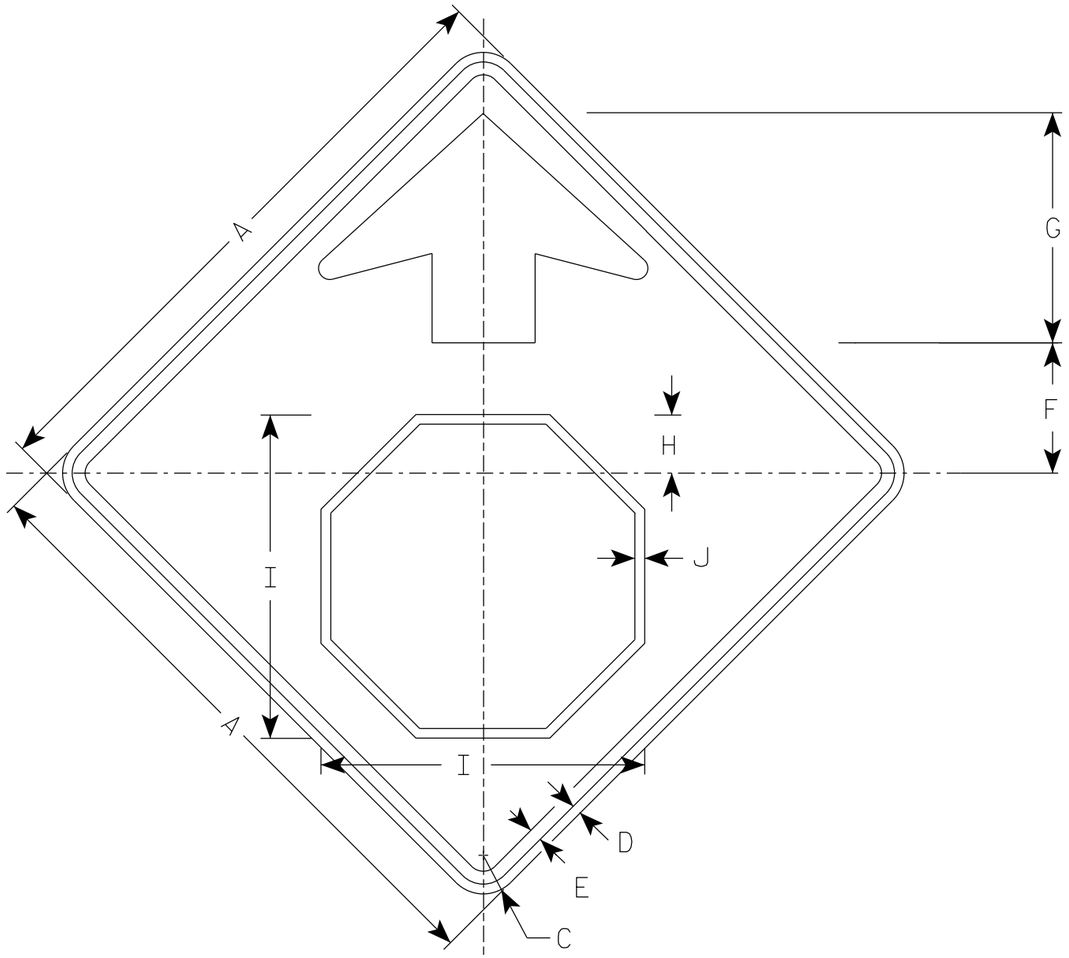
STANDARD SIGN
WO1-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. WO1-4.2

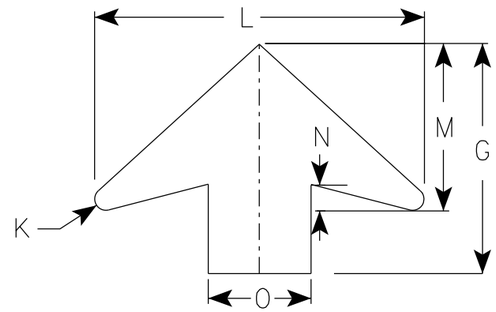
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 209 E



W03-1

NOTES

1. All Signs Type II - Type F Reflective
2. Color:
   Background - ORANGE
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2S	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
2M	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
3	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W03-1

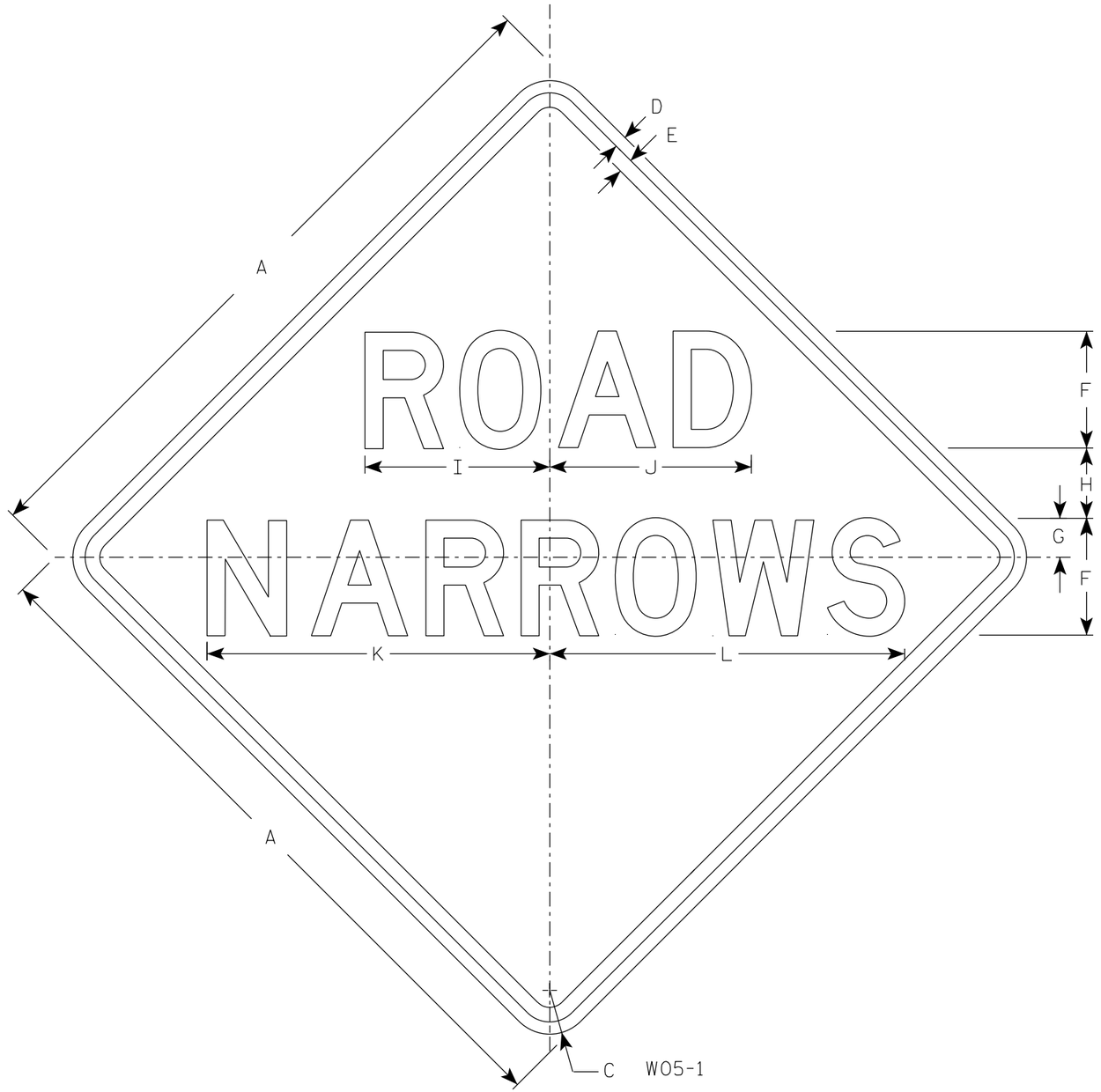
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-1.2

PROJECT NO:

SHEET NO: 210 E



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	2	3 1/2	9 1/2	10 3/8	17 5/8	18 1/4															9.0
2S	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
2M	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
3	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
4	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0
5	48		3	3/4	1	8	3	4	12 3/4	13 3/4	23 1/2	24 3/8															16.0

STANDARD SIGN
W05-1

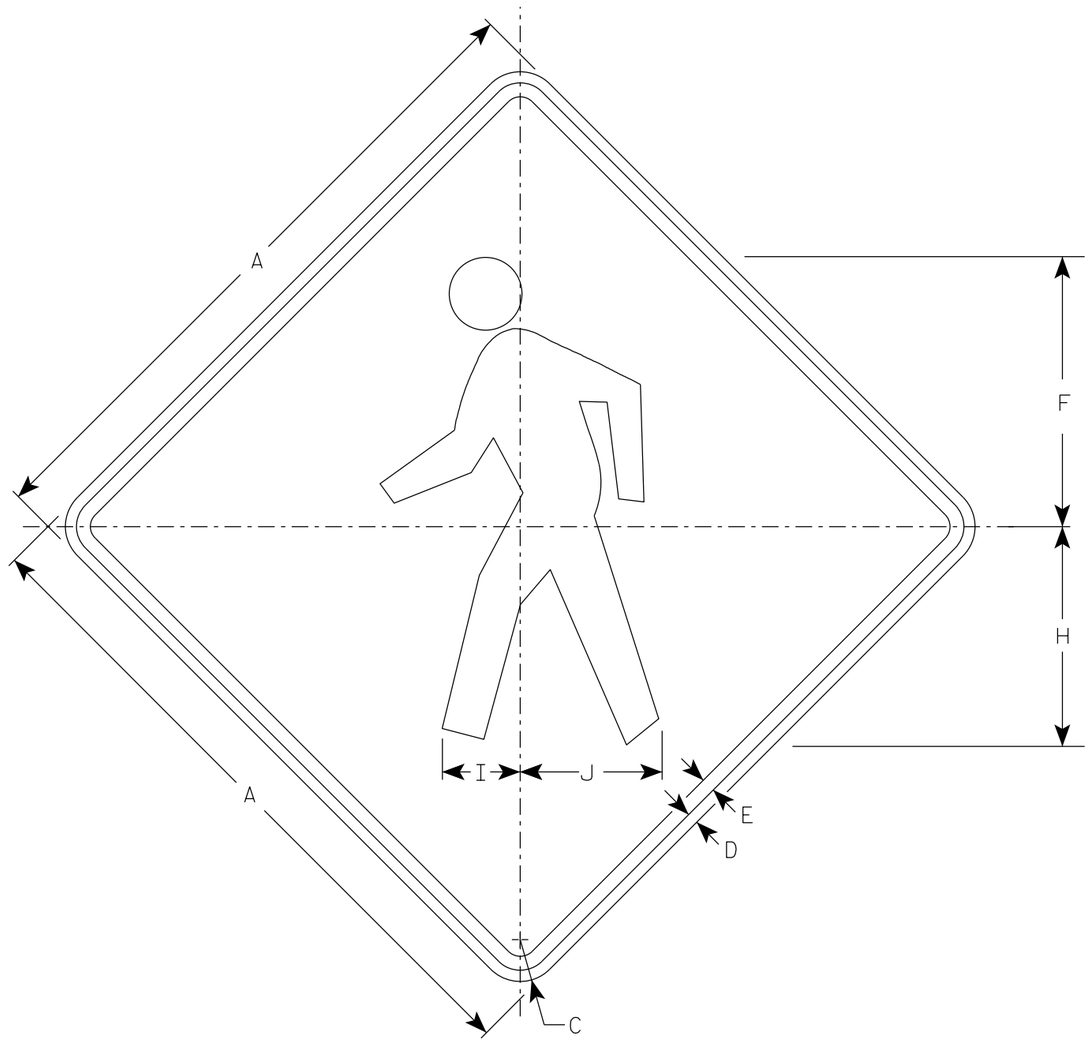
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/29/2024 PLATE NO. W05-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 211 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W051.dgn PLOT DATE : 29-JAN 2024 8:10 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



WO11-2

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
4	48		3	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

WO11-2

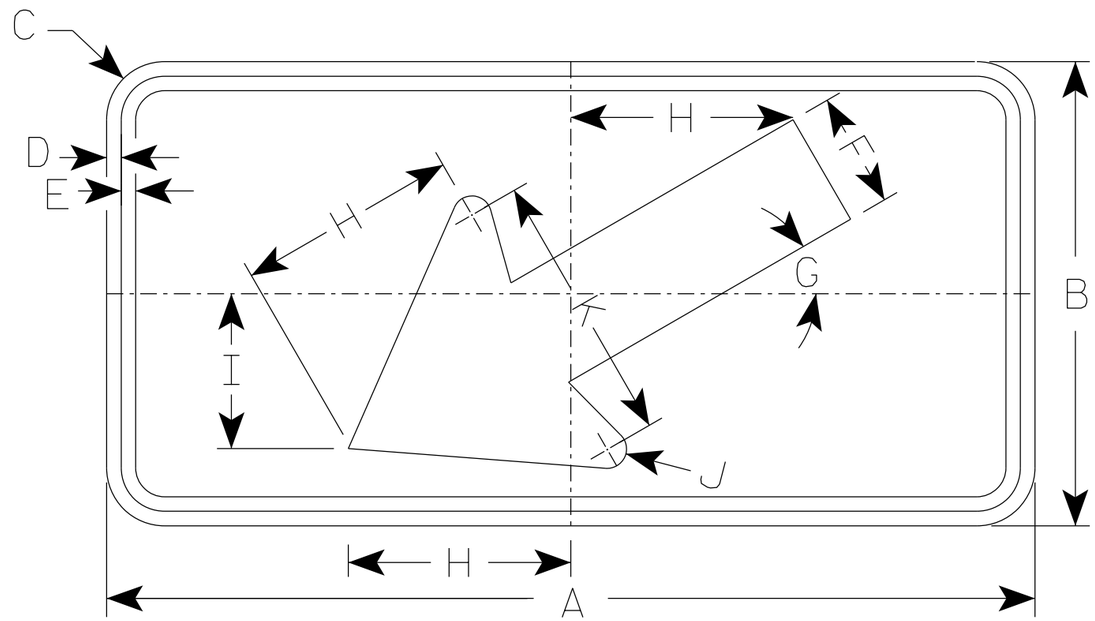
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

For State Traffic Engineer

DATE 2/1/2024 PLATE NO. WO11-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 212 | E



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

STANDARD SIGN
W016-7

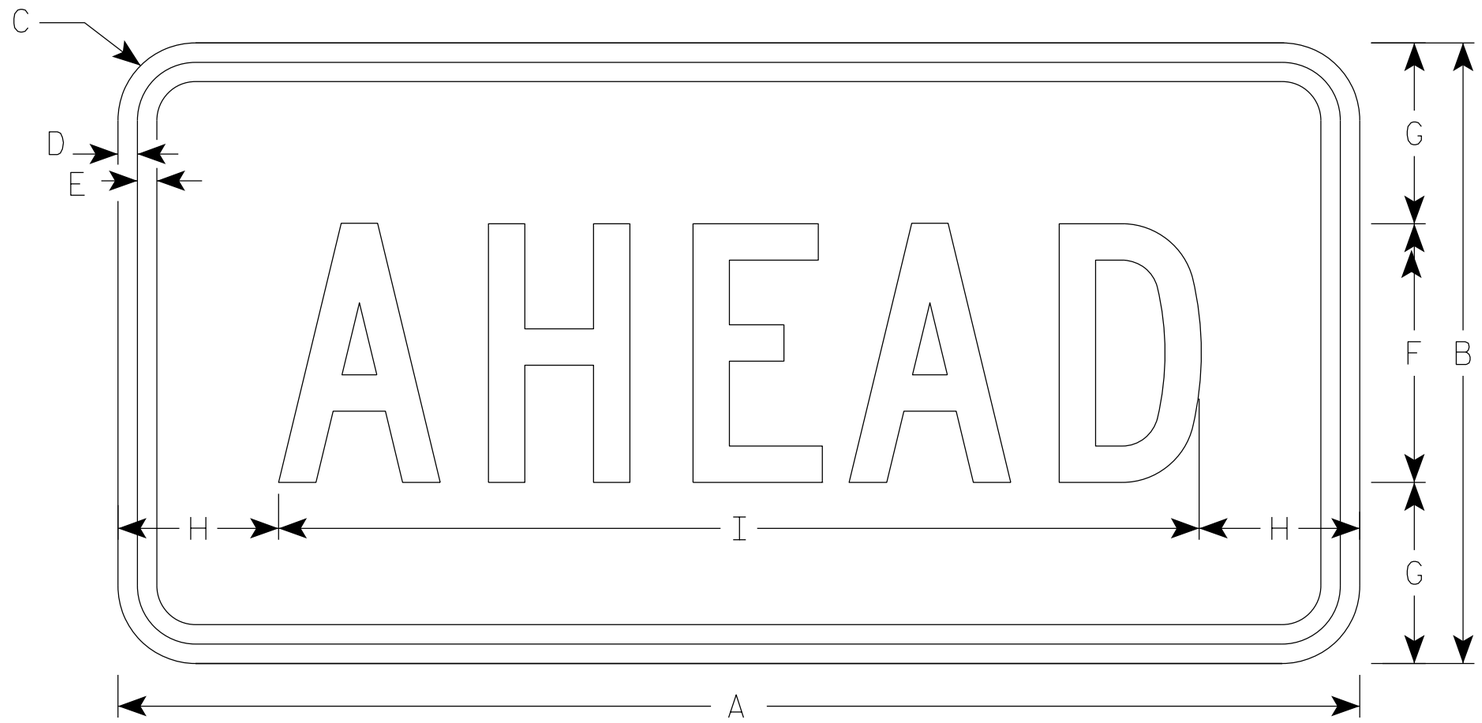
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W016-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 213 | E

7



W016-9P

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2S	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
2M	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
3	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0

STANDARD SIGN
W016-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/2024 PLATE NO. W016-9P.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 214 | E

MADISON AVENUE

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EXPANDED FILL 1.25	MASS ORDINATE
1022.0	1022.0	0.00	33.31	.	0.00	0	0	0	0	0	0	0
1033.	1033.	10.	.5	1.	3.	20	5	1	20	5	1	1
10.5	10.5	11.01	1.1	15.	0.52	2	.	1	46	12	3	32
102.5	102.5	1.00	0.	13.ĀĀ	2.11	1	10	1	87	22	4	1
10.	10.	.12	5.1	13.5	0.5	1Ā	3	0	101	25	4	2
10.1	10.1	.	2.2	.	0.00	15	3	0	11Ā	2Ā	4	84
10.23	10.23	1.2	2.00	5.3	0.00	2	0	0	11Ā	2Ā	4	86
10.25	10.25	1.02	5.	13.5Ā	0.ĀĀ	2Ā	6	0	15	3Ā	4	10Ā
1103.3	1103.3Ā	.13	2.2	1.25	1.25	1Ā	3	0	15Ā	3Ā	4	11Ā
1150.00	1150.00	.2	.2	15.2Ā	0.00	12Ā	25	1	2ĀĀ	2	5	21Ā
11.5	11.5	2.5	10.15	1.2	0.00	98	1Ā	0	3ĀĀ	79	5	300
1200.00	1200.00	22.05	0.11	1.	0.00	79	1Ā	0	3	3	5	35
1211.21	1211.21	11.21	0.5	1.12	0.00	3Ā	7	0	501	100	5	3ĀĀ
1233.21	1233.21	22.00	121.ĀĀ	21.ĀĀ	0.00	86	1Ā	0	5ĀĀ	11Ā	5	466
1250.00	1250.00	1.	12.2	21.ĀĀ	0.00	76	1Ā	0	3	130	5	52Ā
125.3	125.3	.3	115.ĀĀ	22.05	0.00	2	8	0	05	13Ā	5	52
121.3	121.3	22.02	3.	1.32	0.00	5	1Ā	0	0	15Ā	5	31
1300.00	1300.00	1.2	0.21	1.25	0.00	0	12	0	50	1ĀĀ	5	679
130.00	130.00	0.00	5.	1.23	0.00	1ĀĀ	3Ā	0	103	20Ā	5	25
100.00	100.00	0.00	.01	1.1	0.20	112	25	0	11	22Ā	5	12
150.00	150.00	50.00	1.5	1.12	0.1	11Ā	32	1	12	21	6	997
1.5	1.5	1.5	3.0	1.15	0.00	2	11	0	130	22	6	102
1.	1.	22.0Ā	.50	22.1Ā	0.25	66	1Ā	0	132	2ĀĀ	6	10
1500.00	1500.00	11.21	.32	22.10	0.1	3Ā	9	0	10	2ĀĀ	6	1105
1512.50	1512.50	12.50	.01	22.02	0.00	3	10	0	151	30Ā	6	113
1515.	1515.ĀĀ	3.1Ā	.2	22.00	0.00	12	3	0	13	310	6	11
153.	153.	22.00	0.0	1.2	0.ĀĀ	69	1Ā	0	1532	32Ā	6	1200
1550.00	1550.00	12.33	.5	1.2	0.02	31	8	0	153	33Ā	6	1223
100.00	100.00	50.00	0.1	1.5	0.00	12Ā	33	0	10	3ĀĀ	6	131
11.2	11.2	1.2	.01	1.0	0.00	50	11	0	10	3ĀĀ	6	135
13.50	13.50	20.5Ā	5.1	1.5	0.00	0	13	0	110	31	6	113
150.00	150.00	12.50	3.32	1.0	0.0Ā	3Ā	8	0	1ĀĀĀĀ	3ĀĀ	6	12
100.00	100.00	50.00	5.01	1.55	0.15	11Ā	33	0	1ĀĀĀĀ	32	6	152
10.0	10.0	0.0	.00	1.55	0.23	98	2Ā	0	20	5	6	100
15.5	15.5	1.	.5	1.55	0.15	49	13	0	2113	1	6	13
1.55	1.55	2.	.2	1.55	0.3Ā	76	1Ā	0	21	489	6	1ĀĀĀĀ
100.00	100.00	12.5	5.	1.55	0.ĀĀ	31	8	0	2220	497	6	11
1.0	1.0	.0	.5	1.	1.1	5	31	2	2315	52Ā	9	1ĀĀĀĀ
1.	1.	21.ĀĀ	.01	2.	0.00	0	1Ā	1	235	55	10	120
1.0	1.0	.20	.0	2.	0.00	15	4	0	230	5ĀĀ	10	131
1.	1.	10.ĀĀ	10.25	2.	0.00	1	11	0	231	50	10	11
15.	15.	10.3	.	2.	0.00	1	11	0	22	51	10	11
100.00	100.00	.11	5.12	2.	0.00	15	4	0	2ĀĀĀĀ	55	10	102
125.00	125.00	25.00	5.1	1.3	0.20	2	21	0	255	5ĀĀ	10	153
150.00	150.00	25.00	5.5	1.2	0.1	55	1Ā	1	21	12	11	11
2000.00	2000.00	50.00	1.33	1.1	0.13	121	33	1	235	5	13	20
2025.3	2025.3Ā	25.3Ā	.	1.	0.1Ā	1	1Ā	0	20	2	13	2132
2050.00	2050.00	2.2	.	1.3	0.1	67	1Ā	0	23	679	13	212
2100.00	2100.00	50.00	0.5	1.52	1.03	11Ā	3Ā	1	21	13	1Ā	22
212.1	212.1	2.1	5.1	1.5	1.ĀĀ	2	2Ā	2	303	2	1Ā	2325
21.5	21.5	23.ĀĀ	3.5	2.	0.31	67	20	1	3150	2	1Ā	231
21.5	21.5	.	112.5Ā	31.1	0.00	31	9	0	311	1	1Ā	233
21.3	21.3	15.35	11.	31.2	0.00	66	1Ā	0	32	789	1Ā	21
2201.5	2201.5	11.52	115.ĀĀ	31.2	0.00	50	13	0	32	02	1Ā	2ĀĀĀĀ
220.5	220.5	.20	1.32	33.5Ā	0.ĀĀ	31	10	0	332	12	1Ā	2ĀĀĀĀ
223.2	223.2	2.	5.	1.31	0.ĀĀ	74	25	1	302	3	1Ā	25
2250.00	2250.00	13.3Ā	5.51	1.32	1.0Ā	2Ā	9	0	331	846	1Ā	25
2300.00	2300.00	50.00	2.1	20.5	0.00	131	35	1	352	1	20	21
2350.00	2350.00	50.00	0.15	22.10	0.00	10	3Ā	0	322	20	20	22
200.00	200.00	50.00	3.12	1.3	0.1Ā	12	3Ā	0	3ĀĀĀĀ	5	20	2ĀĀĀĀ
250.00	250.00	50.00	1.	1.2	0.00	125	3Ā	0	3ĀĀĀĀ	1	20	2ĀĀĀĀ
2500.00	2500.00	50.00	2.32	1.2	0.0Ā	12Ā	35	0	113	102	20	30
						113	102	1Ā				

NOTESĀ	
1 CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 SALVAGED/UNUSABLE PAVEMENT MATERIAL	TIS DOES NOT SO UP IN CROSS SECTIONS
3 FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

PROJECT NOĀ 5053 | Y MADISON AVENUE | COUNTYĀ MARINETTE | EARTOR DATA | SEET` 215 | E

FILE NAME Ā XGB2023202301DESIGNTRANSPORTATIONSEETSPLAN00101E.DG
LAYOUT NAME` 01
PLOT DATE Ā 2/1/202 32 PM
PLOT BY Ā ENGLES BRIAN
PLOT NAME `
PLOT SCALE Ā 1 1
ISDOT/CADDS SEET

WISCONSIN STREET

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
00.	00.	0.00	1.1	12.2	0.00	0	0	0	0	0	0	0
050.00	050.00	.33	1.5	12.25	0.00	23	.	0	23	4	0	1Ā
05.00	05.00	25.00	8.1	10.31	0.00	51	10	0	74	1Ā	0	0
080.00	080.00	5.00	.	10.31	0.00	9	2	0	83	1Ā	0	67
						83	1Ā	0				

LIBERTY STREET

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
00.85	00.85	0.00	58.05	1.08	0.00	0	0	0	0	0	0	0
050.00	050.00	.15	5.25	10.ĀĀ	0.00	20	4	0	20	4	0	1Ā
05.00	05.00	25.00	8.52	10.ĀĀ	0.00	50	10	0	0	1Ā	0	5Ā
						0	1Ā	0				

DUNLAP AVENUE CATEGORY 0020

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
8.81	8.81	0.00	0.5	0.00	0.00	0	0	0	0	0	0	0
800.00	800.00	21.1Ā	1.5	8.1Ā	0.00	8	3	0	8	3	0	5
850.00	850.00	50.00	5.0	8.32	0.0Ā	10Ā	15	0	155	18	0	13Ā
00.00	00.00	50.00	1.5	8.ĀĀ	0.00	11Ā	1Ā	0	22	3Ā	0	238
25.81	25.81	25.81	1.	.30	0.00	8	9	0	30	3	0	2ĀĀ
						30	3	0				

DUNLAP AVENUE (WEST) CATEGORY 0010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
25.81	25.81	0.00	1.	.30	0.00	0	0	0	0	0	0	0
50.00	50.00	2.1	.	12.13	0.30	1	10	0	1	10	0	51
58.1	58.1	8.1Ā	3.	13.1	2.20	20	4	0	81	1Ā	0	67
						81	1Ā	0				

DUNLAP AVENUE (EAST) CATEGORY 0010

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)			
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	FILL NOTE 3	CUT 1.00 NOTE 1	SALVAGED/UNUSABLE PAVEMENT MATERIAL NOTE 2	EXPANDED FILL 1.25	MASS ORDINATE NOTE 8
801.	801.	0.00	5.	11.8	0.00	0	0	0	0	0	0	0
8050.00	8050.00	8.23	53.1Ā	11.3Ā	0.15	1Ā	4	0	1Ā	4	0	13
805.00	805.00	25.00	.18	13.ĀĀ	0.00	46	12	0	3	1Ā	0	47
						3	1Ā	0				

NOTESĀ	
1 CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 SALVAGED/UNUSABLE PAVEMENT MATERIAL	TIS DOES NOT SOW UP IN CROSS SECTIONS
3 FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME

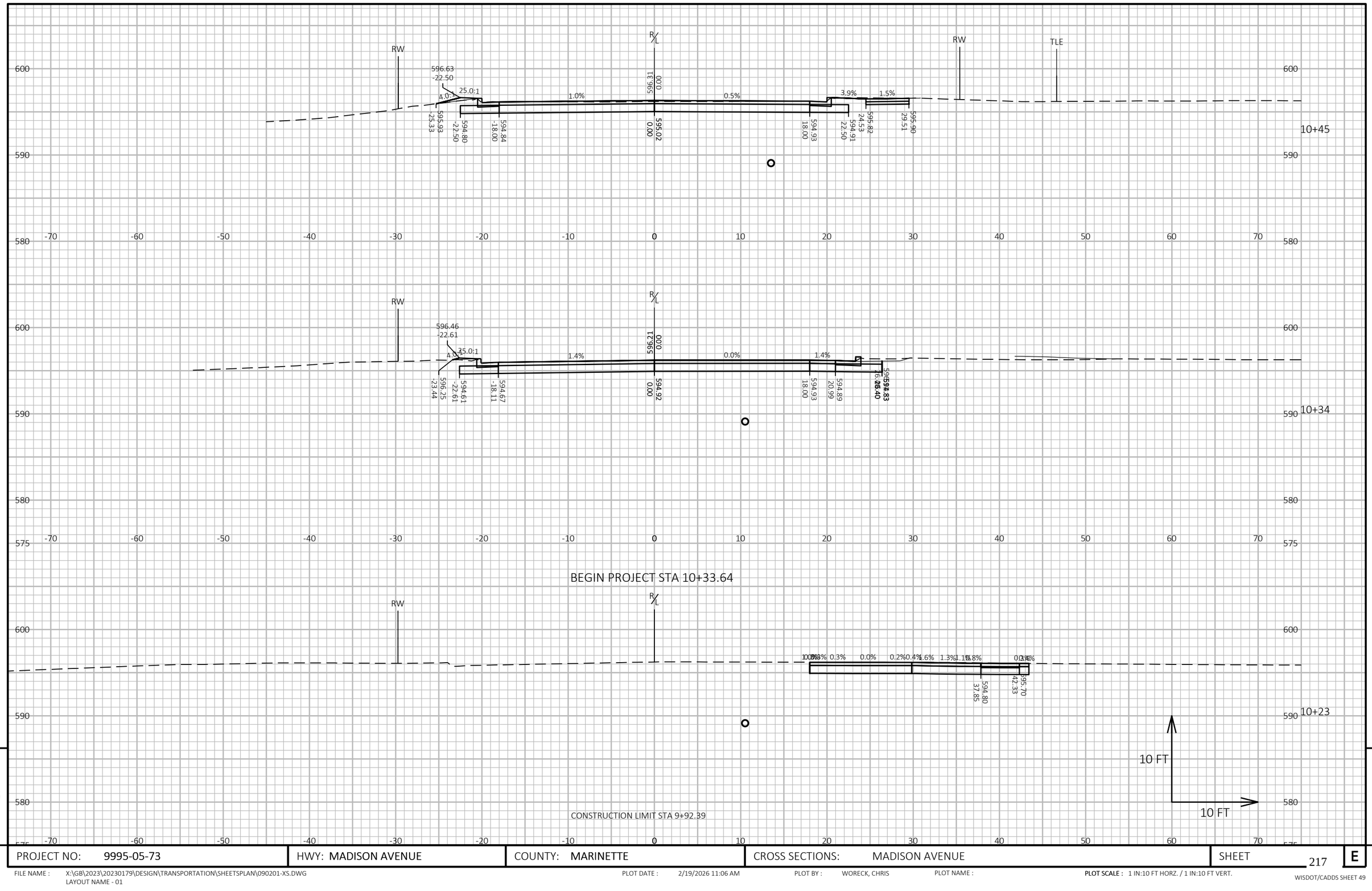
9

9

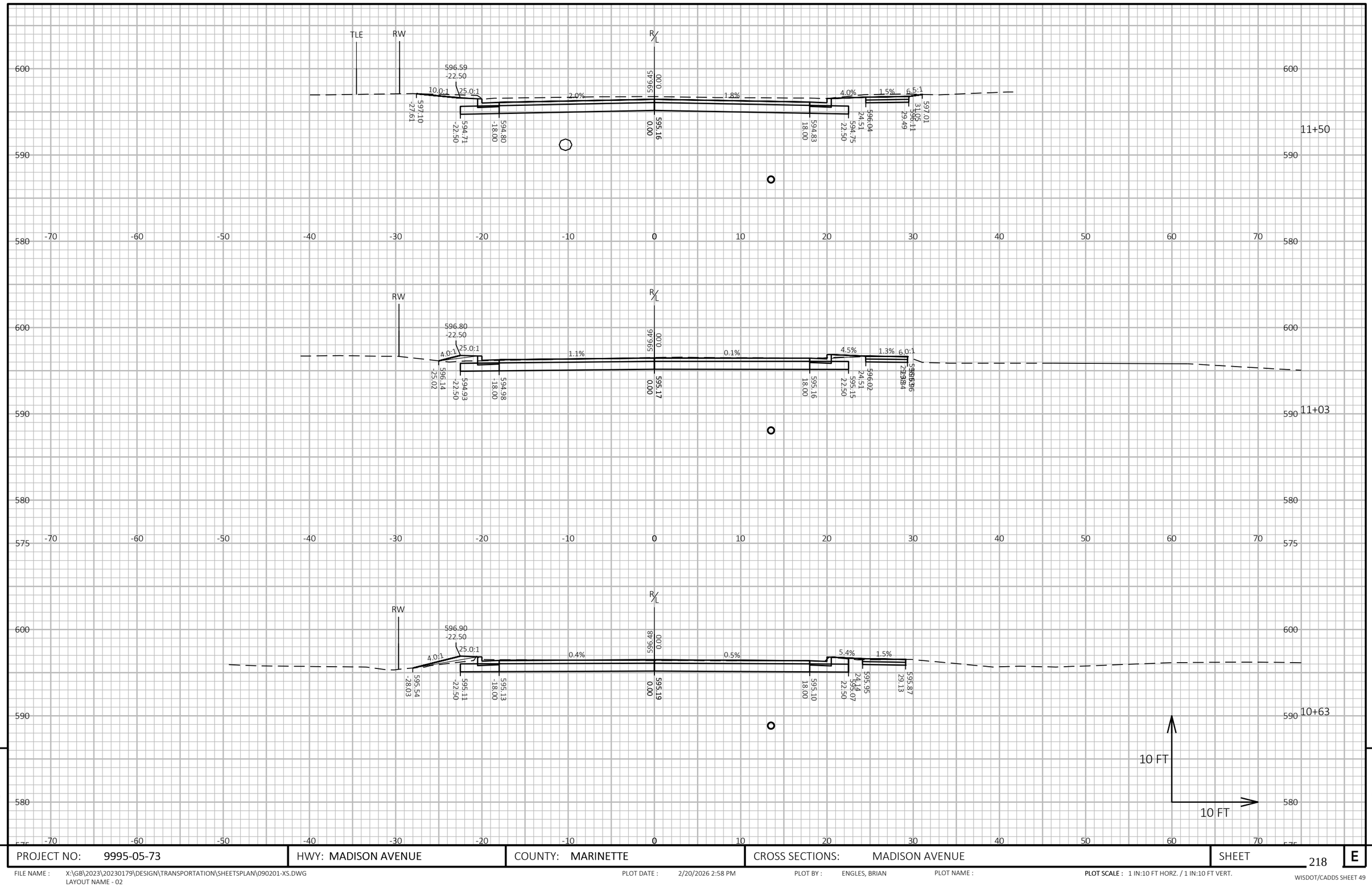
PROJECT NOĀ 5053 | WY MADISON AVENUE | COUNTYĀ MARINETTE | EARTWOR DATA | SEET` 216 E

FILE NAME Ā XGB2023202301DESIGNTRANSPORTATIONSEETSPLAN00101EW.DWG
LAYOUT NAME` 02
PLOT DATE Ā 2/20/202 81 AM
PLOT BY Ā WOREC CRIS
PLOT NAME `
PLOT SCALE Ā 1 1

WISDOT/CADDS SEET ĀĀ



PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 217	E

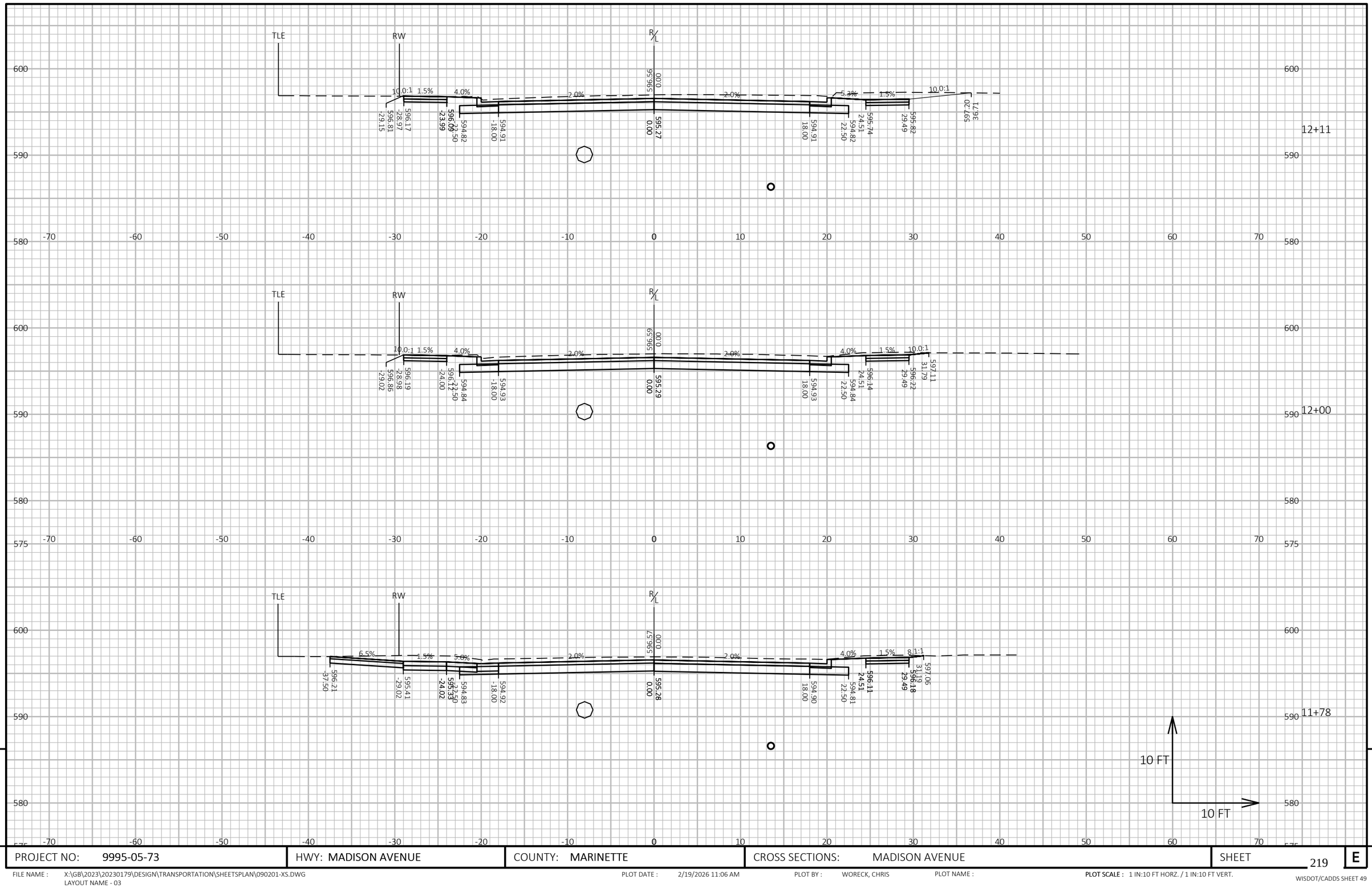


9

9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 218	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 02
PLOT DATE : 2/20/2026 2:58 PM
PLOT BY : ENGLES, BRIAN
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

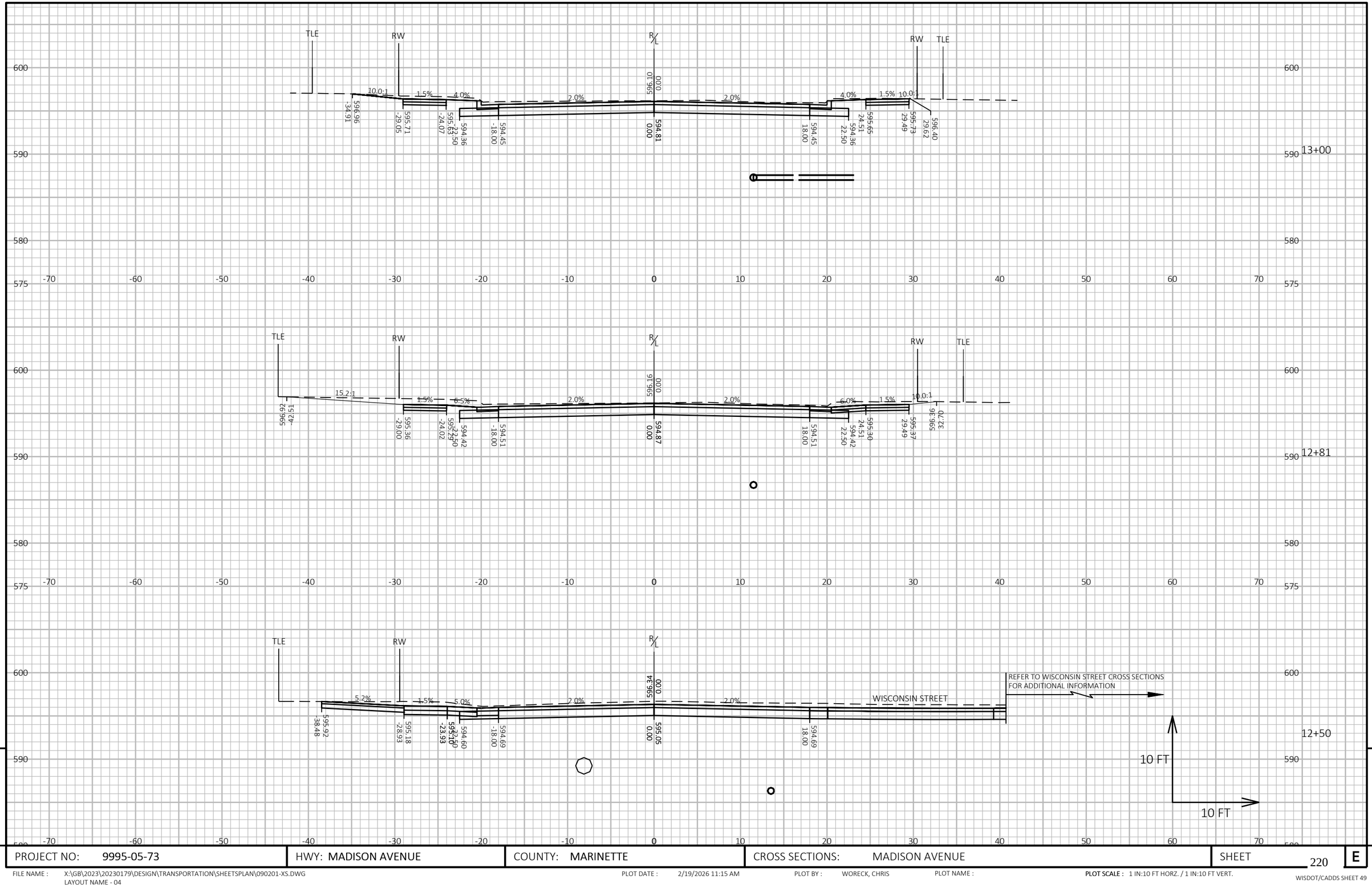


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 219 E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 2/19/2026 11:06 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

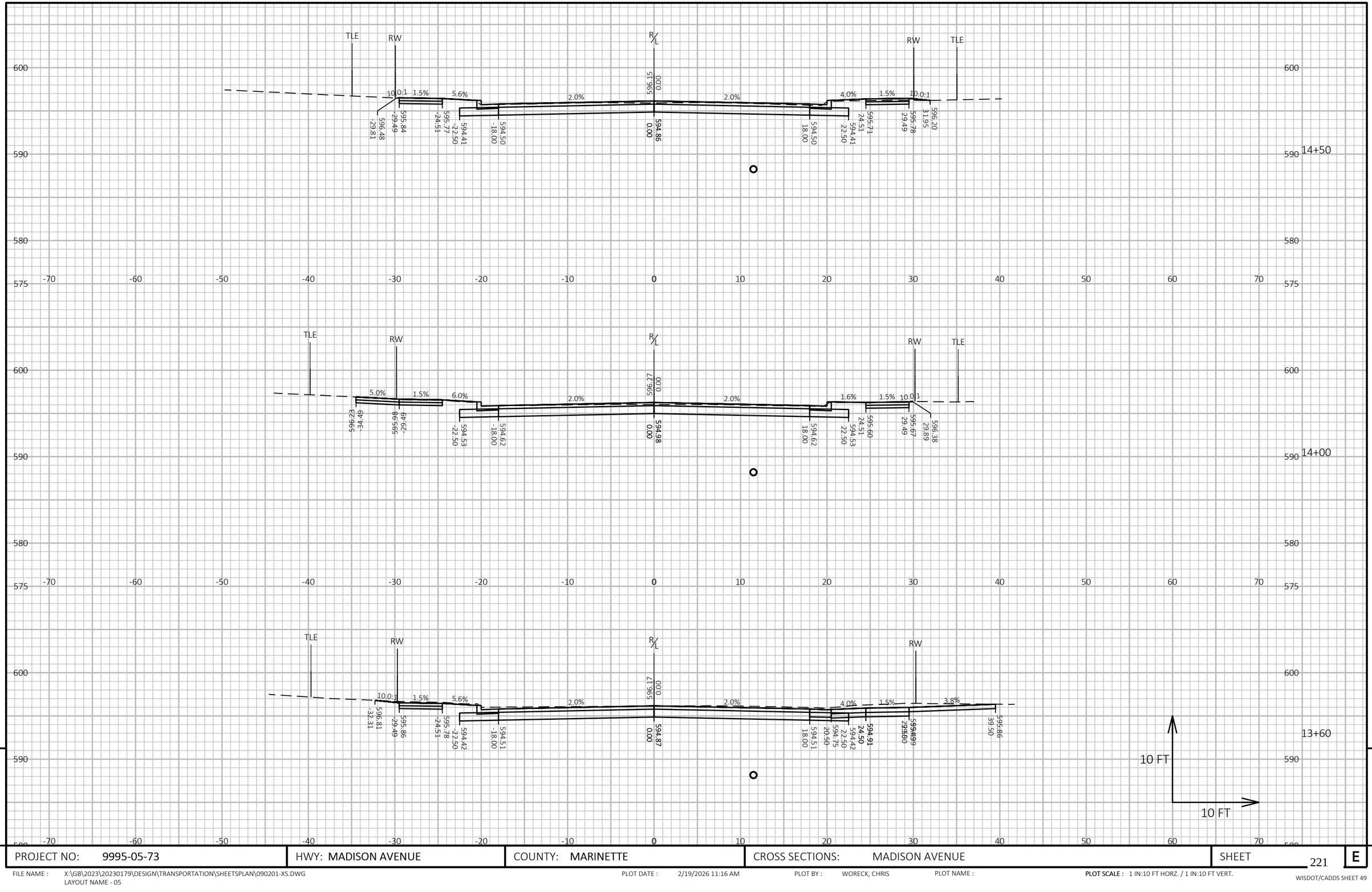
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 220	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 04

PLOT DATE : 2/19/2026 11:15 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

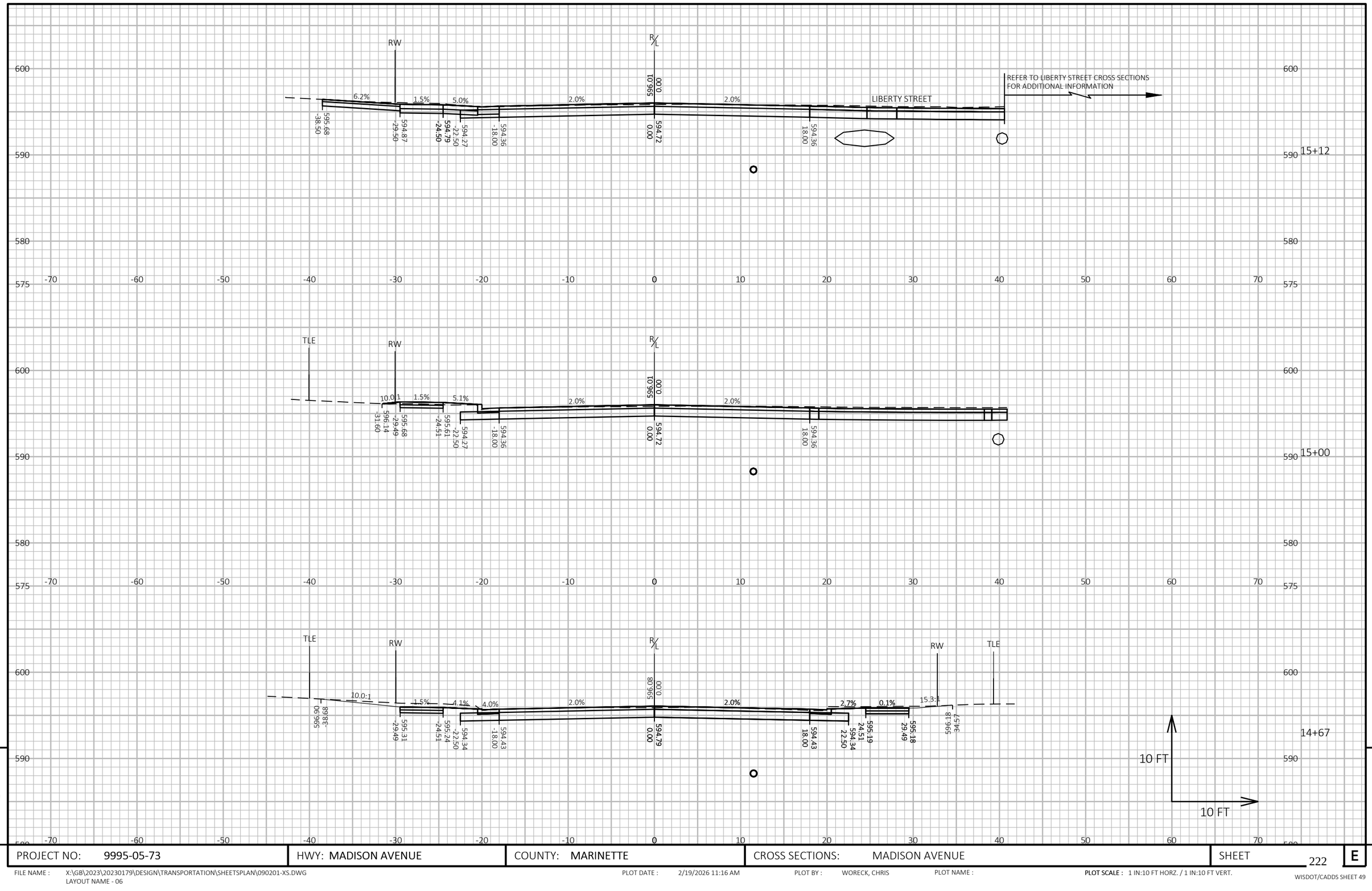
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 221	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 05

PLOT DATE : 2/19/2026 11:16 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

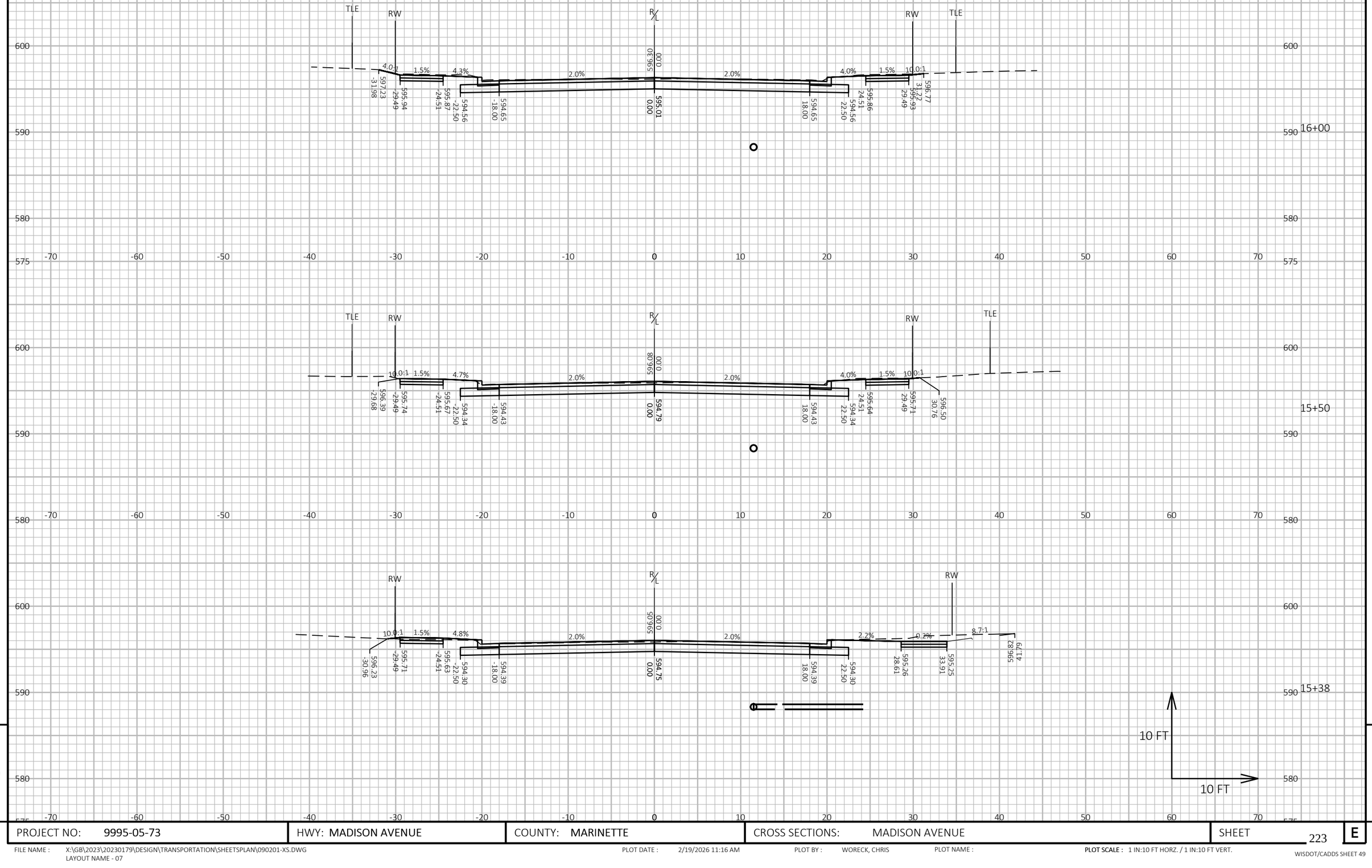
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 222	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 06

PLOT DATE : 2/19/2026 11:16 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

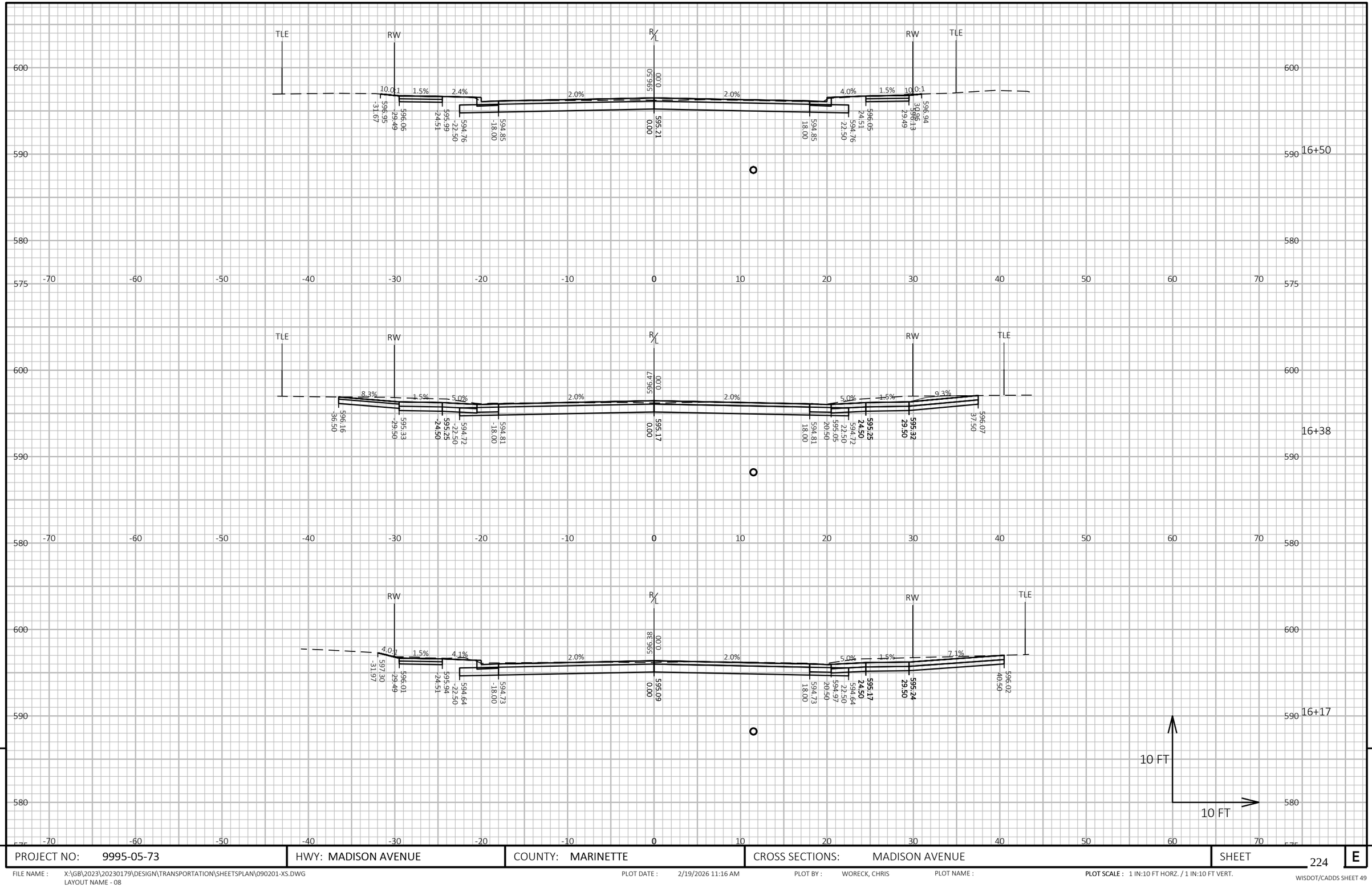
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 223	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 07

PLOT DATE : 2/19/2026 11:16 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

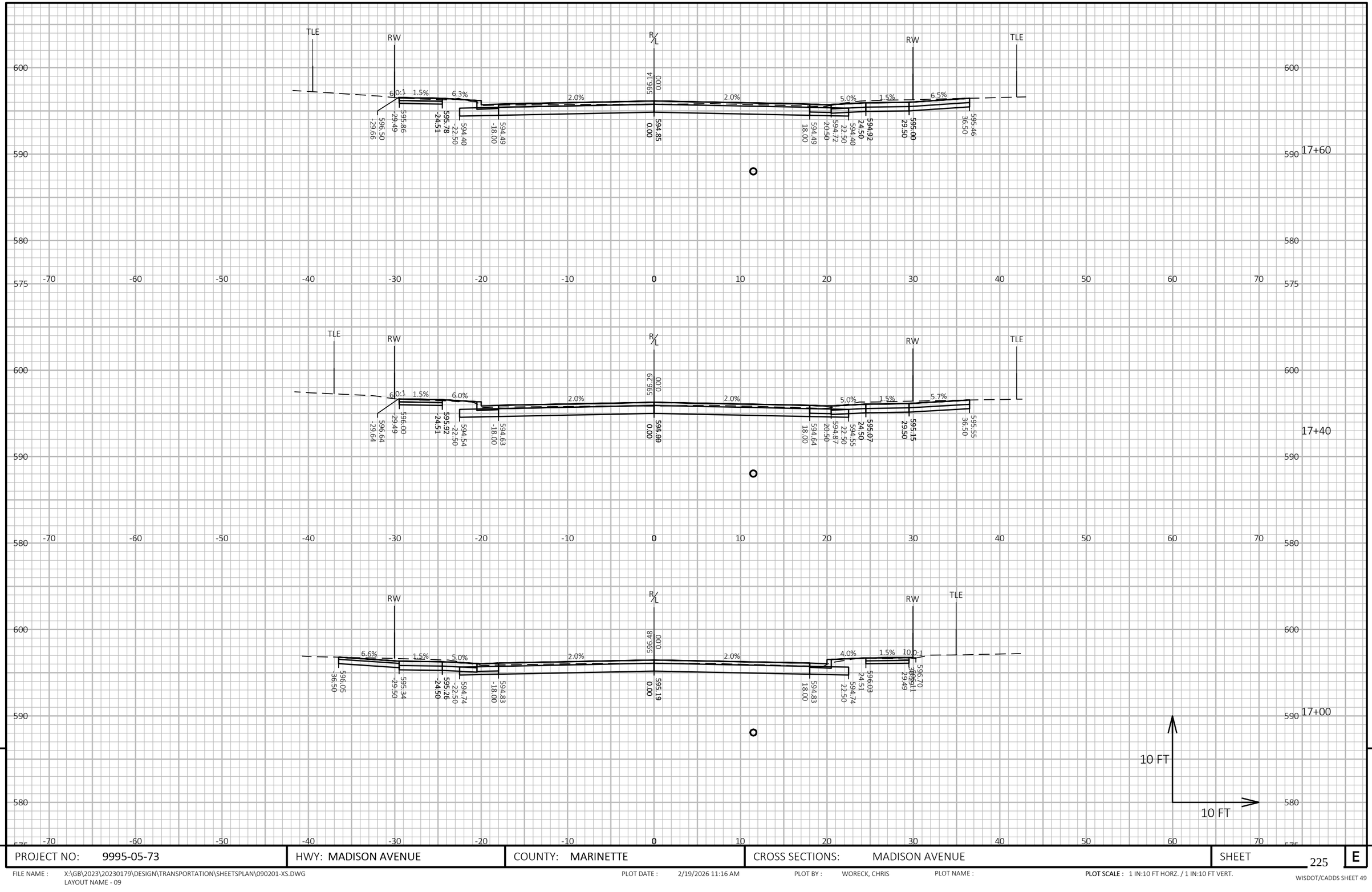


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 224	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 08

PLOT DATE : 2/19/2026 11:16 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

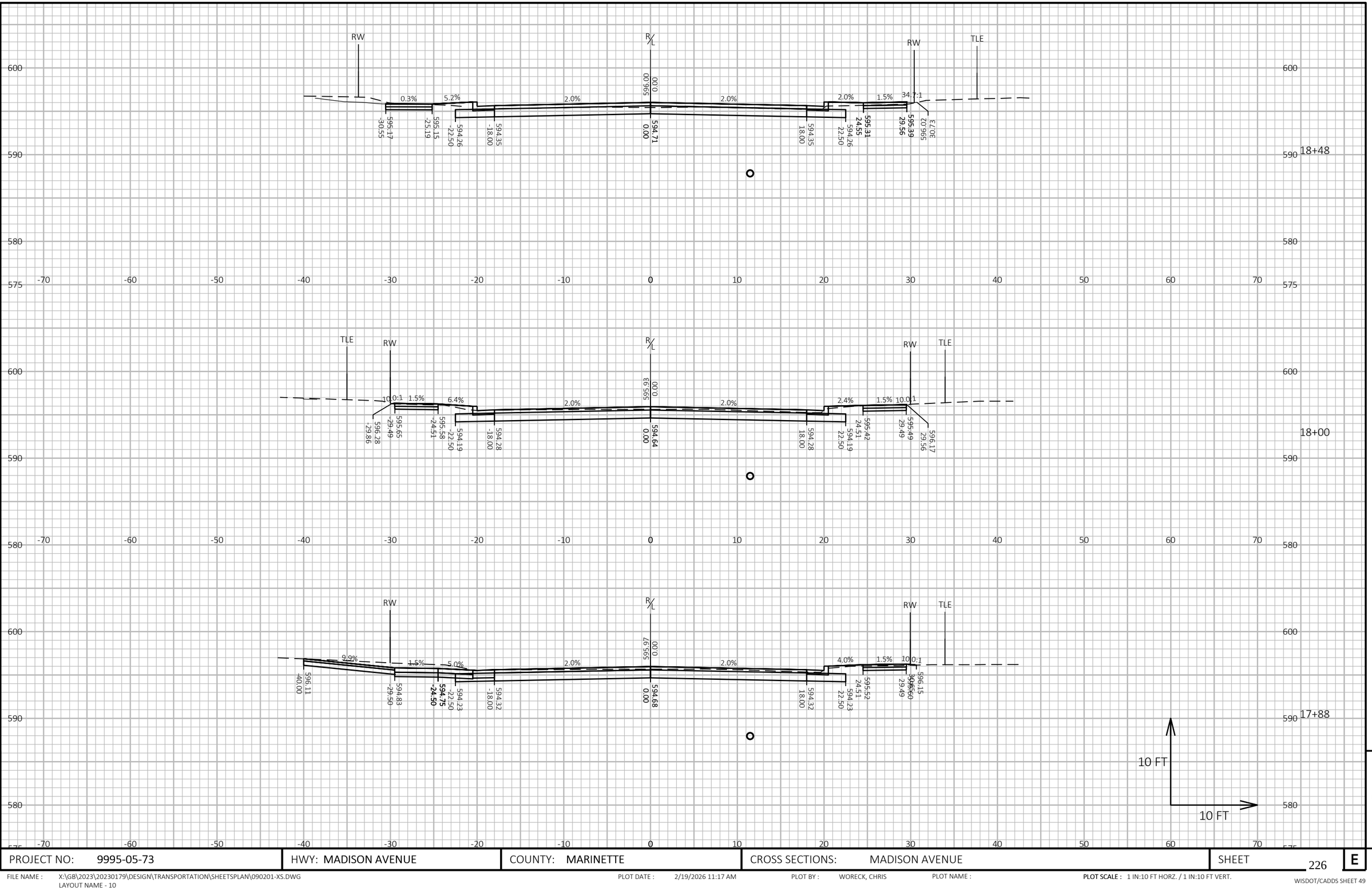


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 225 E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 09

PLOT DATE : 2/19/2026 11:16 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

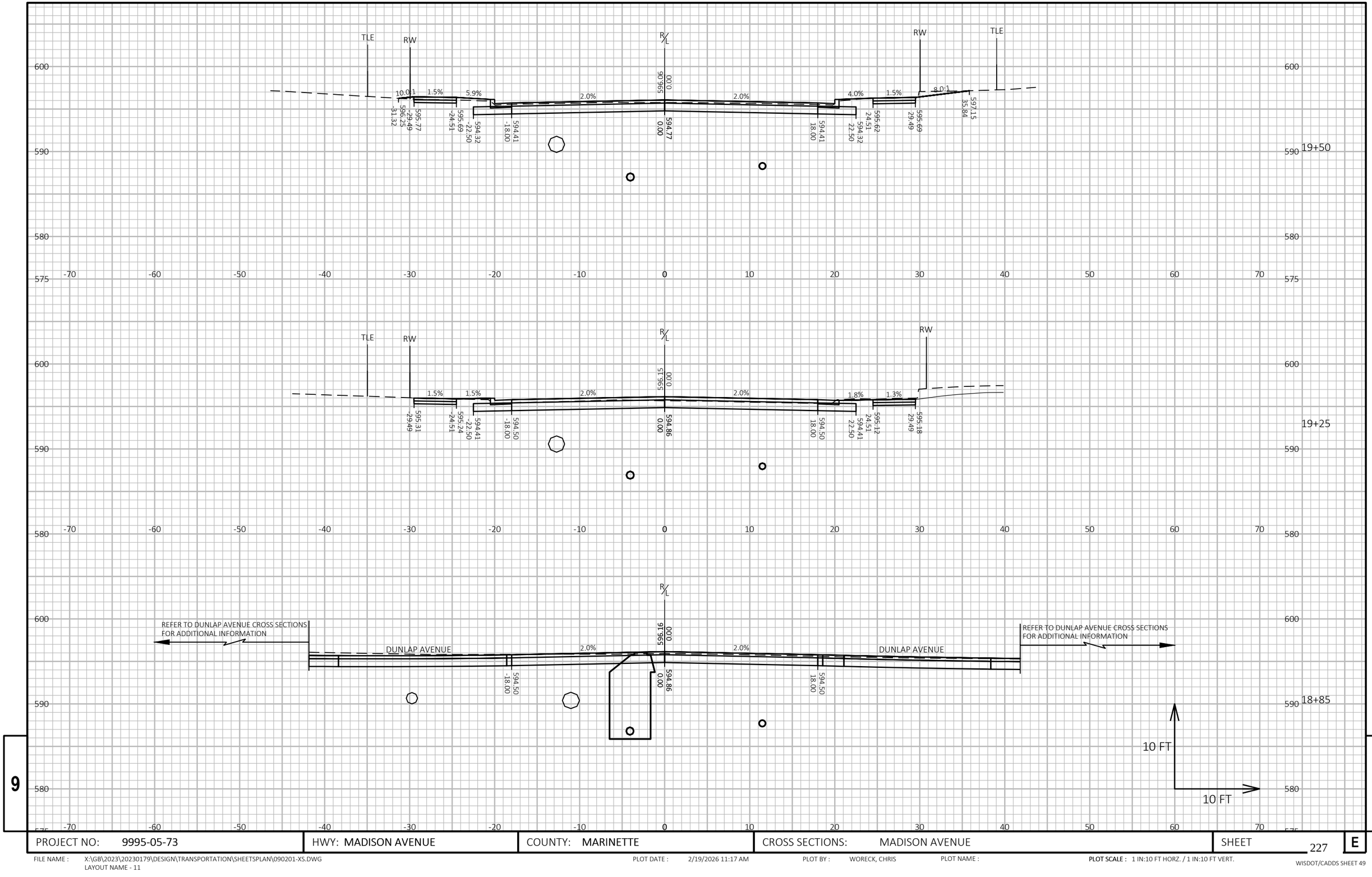
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 226	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 10

PLOT DATE : 2/19/2026 11:17 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

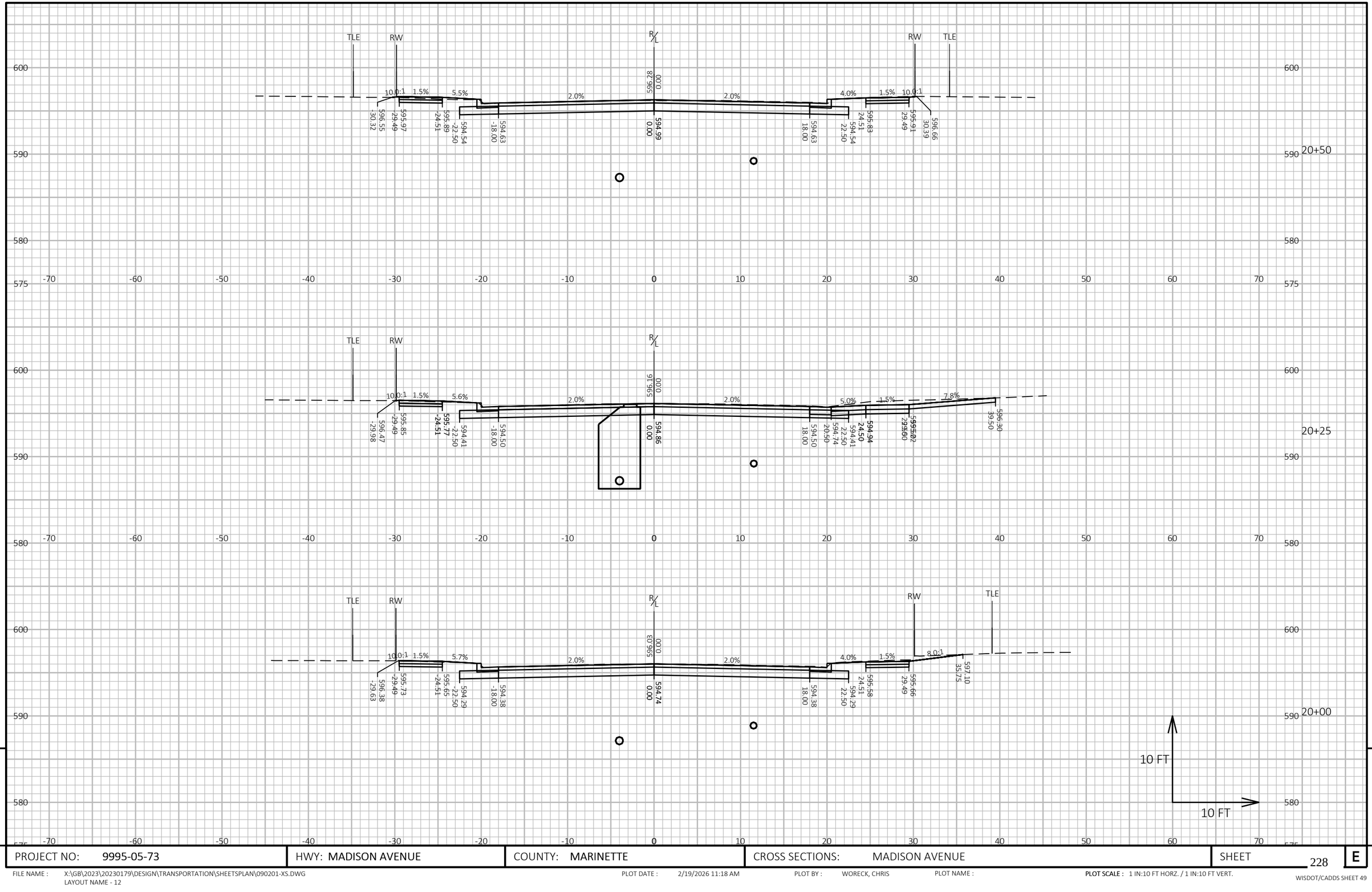
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 227	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 11

PLOT DATE : 2/19/2026 11:17 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

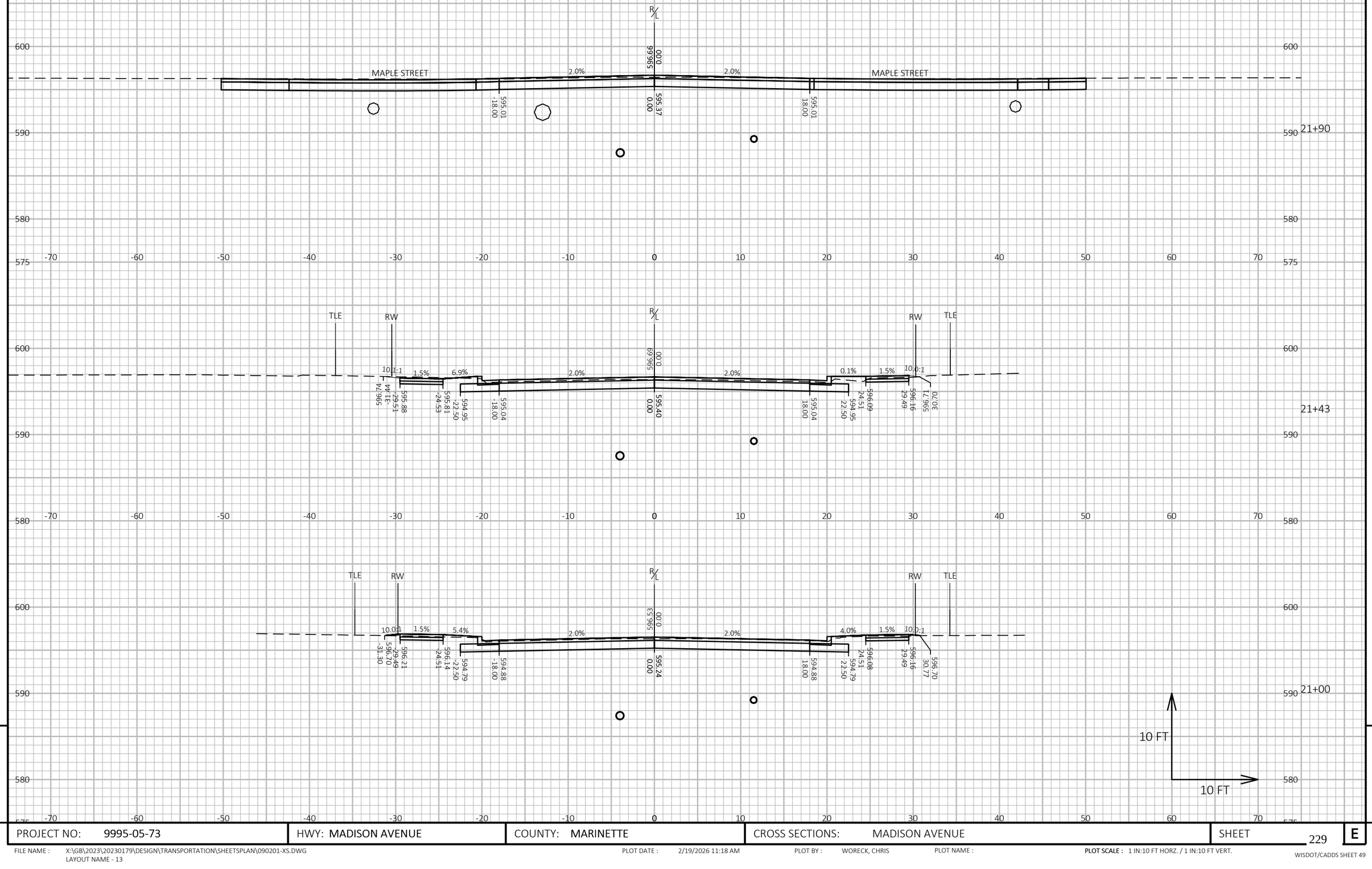


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 228	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 12

PLOT DATE : 2/19/2026 11:18 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

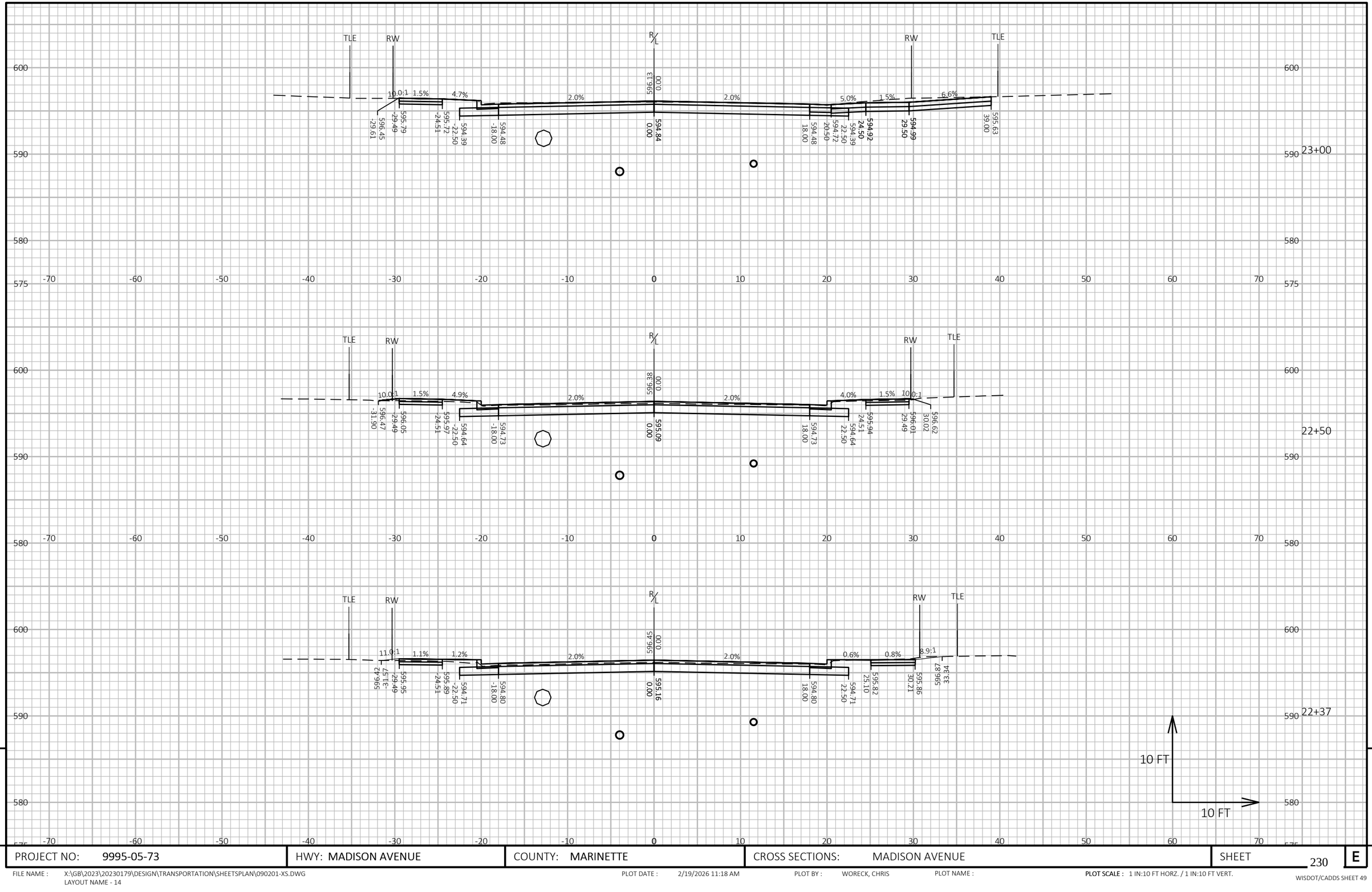
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 229	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 13

PLOT DATE : 2/19/2026 11:18 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

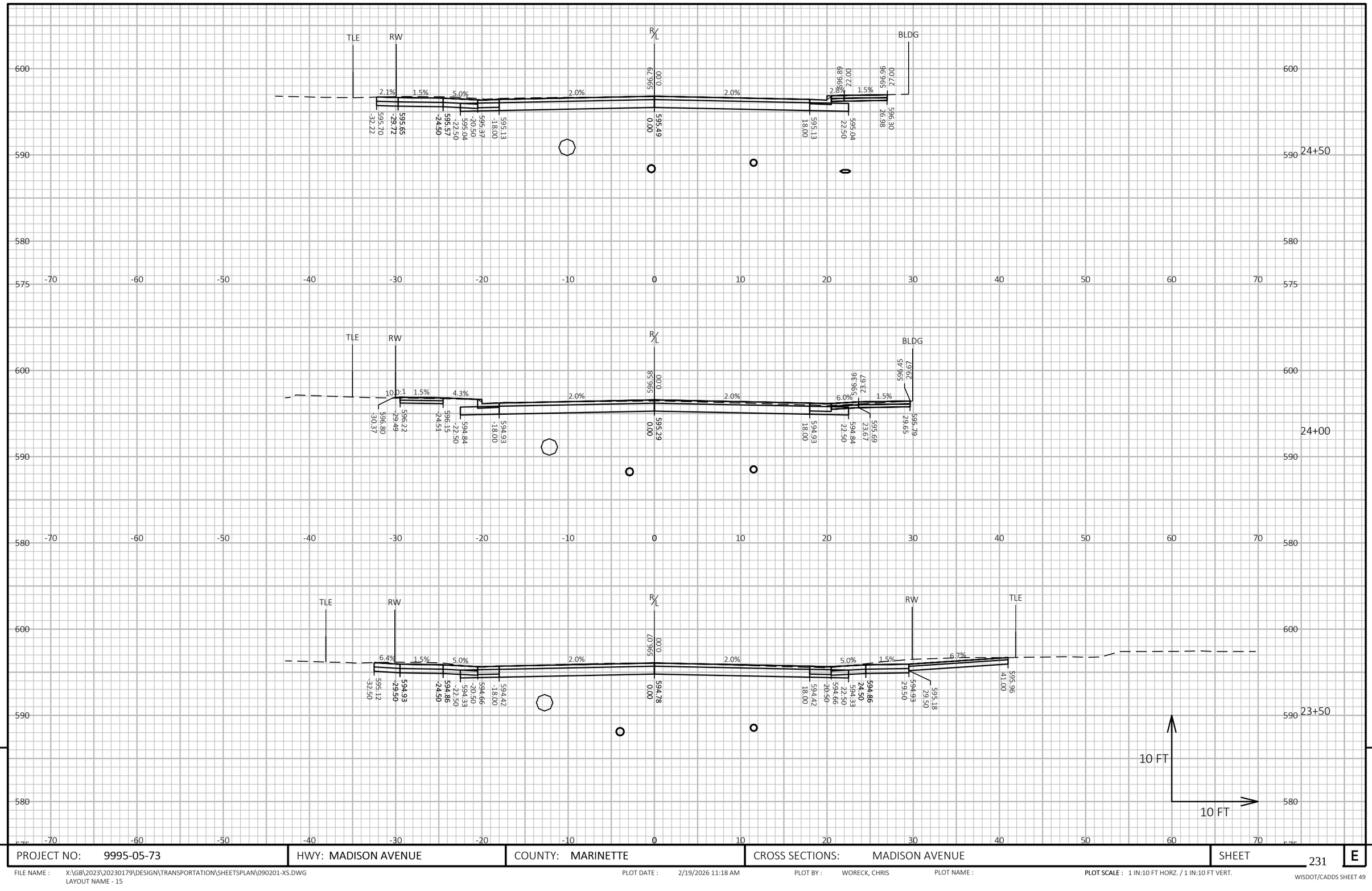
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 230	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 14

PLOT DATE : 2/19/2026 11:18 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

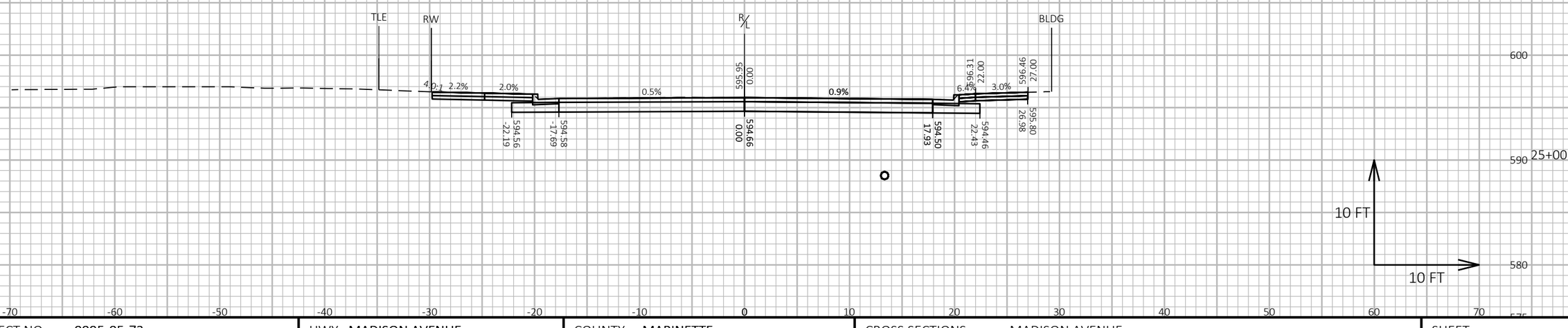
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 231	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 15

PLOT DATE : 2/19/2026 11:18 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

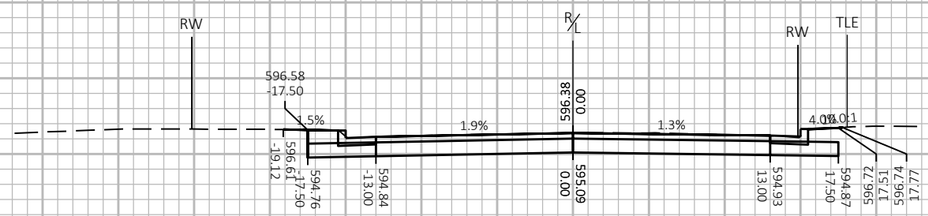
END PROJECT STA 25+00



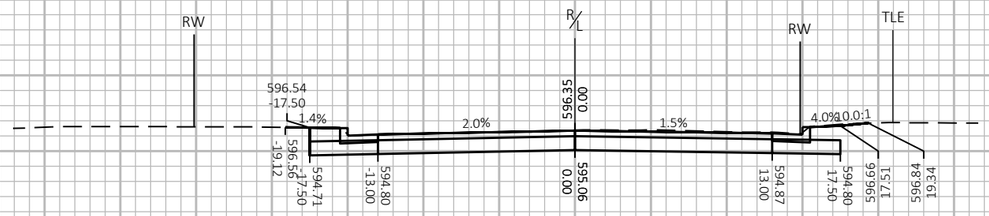
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: MADISON AVENUE	SHEET 232	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 16
PLOT DATE : 2/19/2026 11:19 AM
PLOT BY : WORECK, CHRIS
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

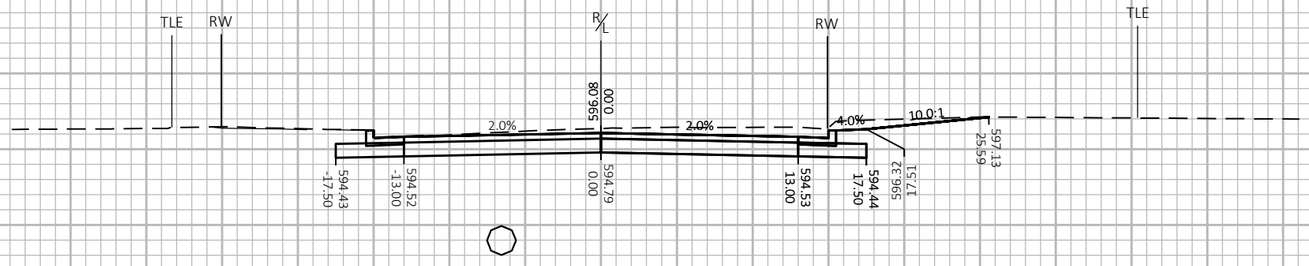
CONSTRUCTION LIMIT STA 60+80



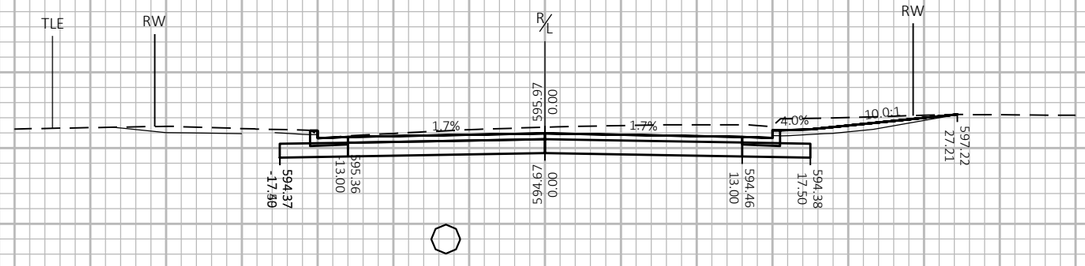
60+80



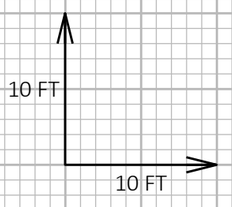
60+75



60+50



60+41



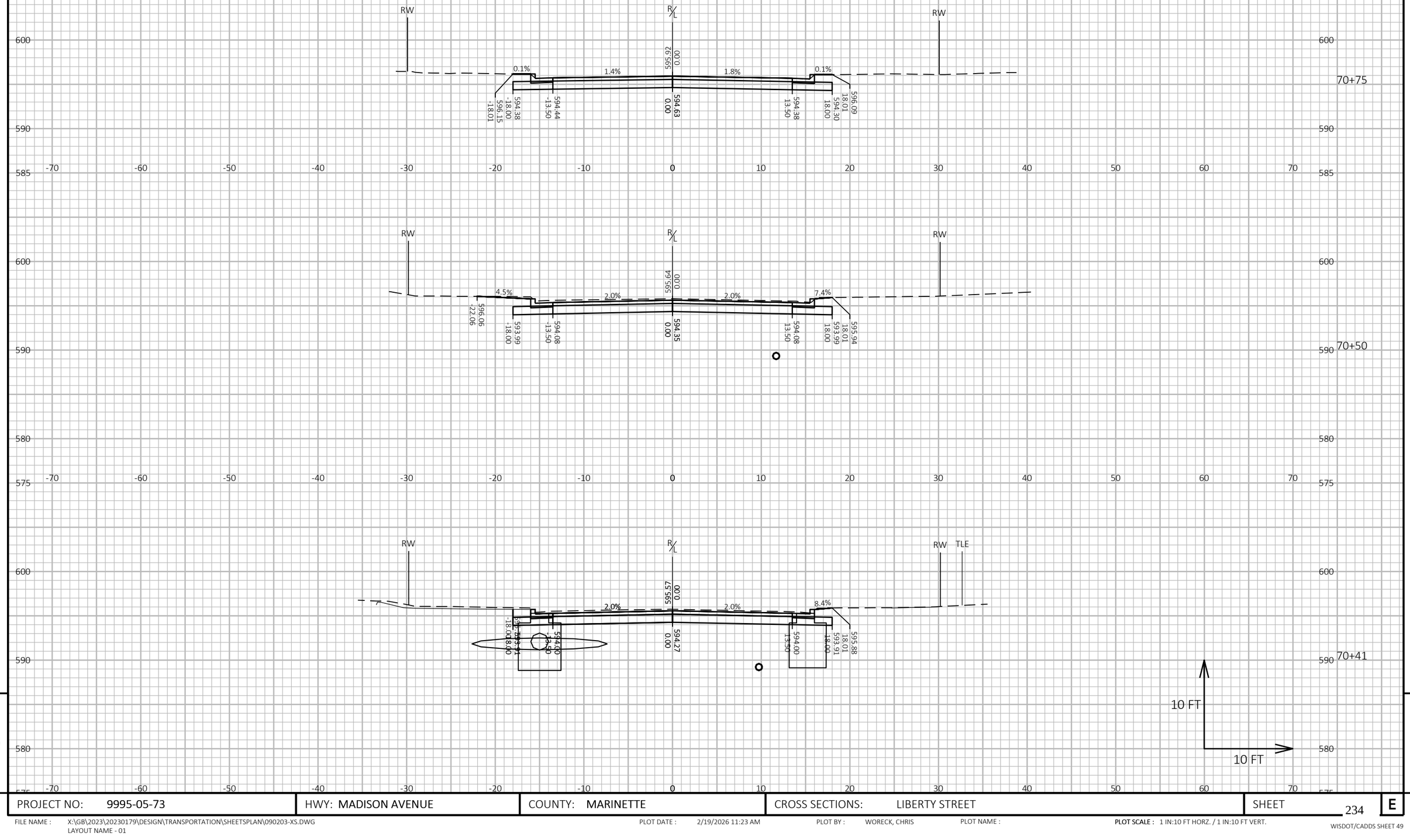
PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: WISCONSIN STREET	SHEET 233	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 2/19/2026 11:20 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONSTRUCTION LIMIT STA 70+75

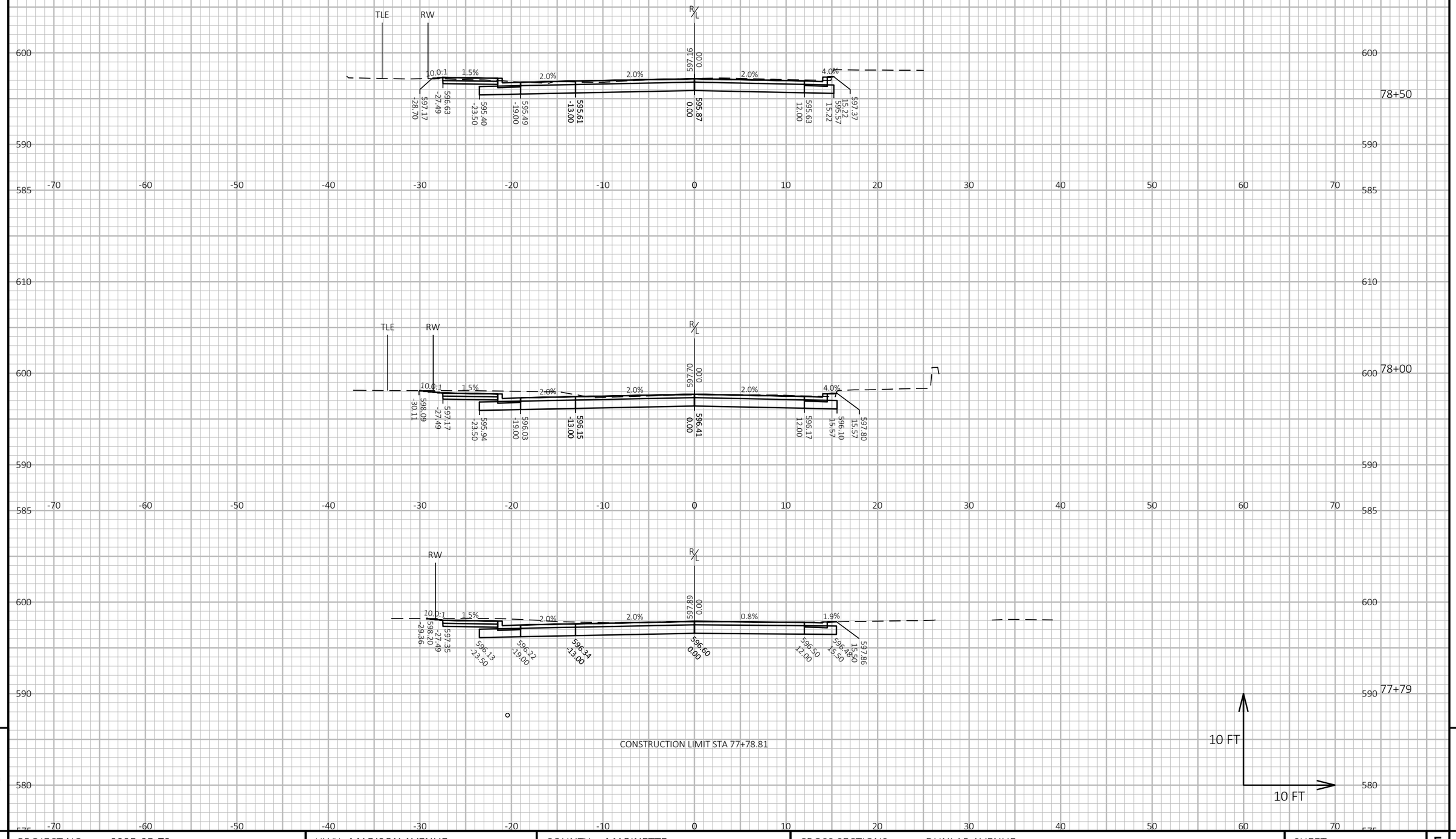


PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: LIBERTY STREET	SHEET 234 E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090203-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 2/19/2026 11:23 AM PLOT BY : WORECK, CHRIS PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

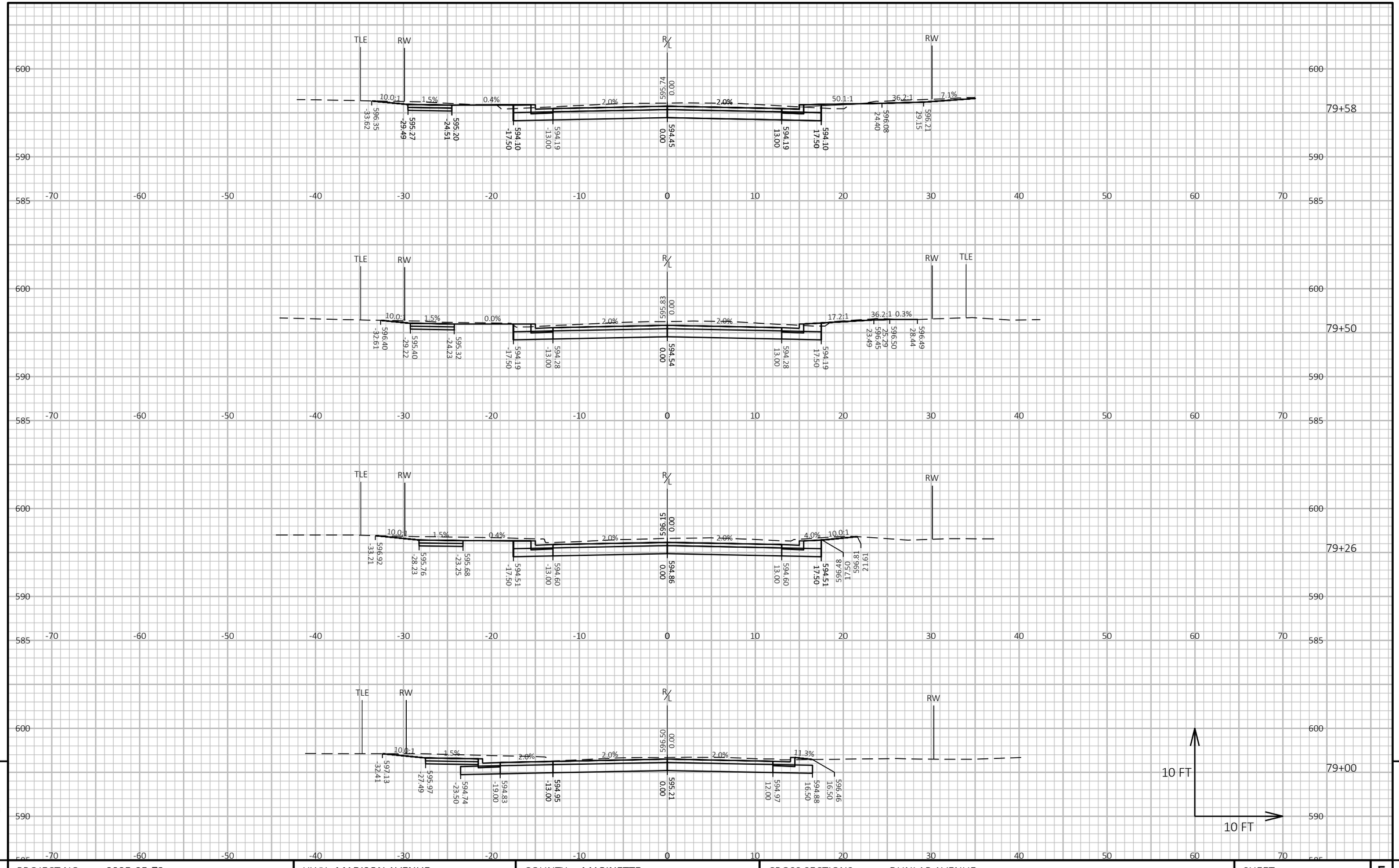
9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: DUNLAP AVENUE	SHEET 235	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 01

PLOT DATE : 2/19/2026 11:25 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: DUNLAP AVENUE	SHEET 236	E

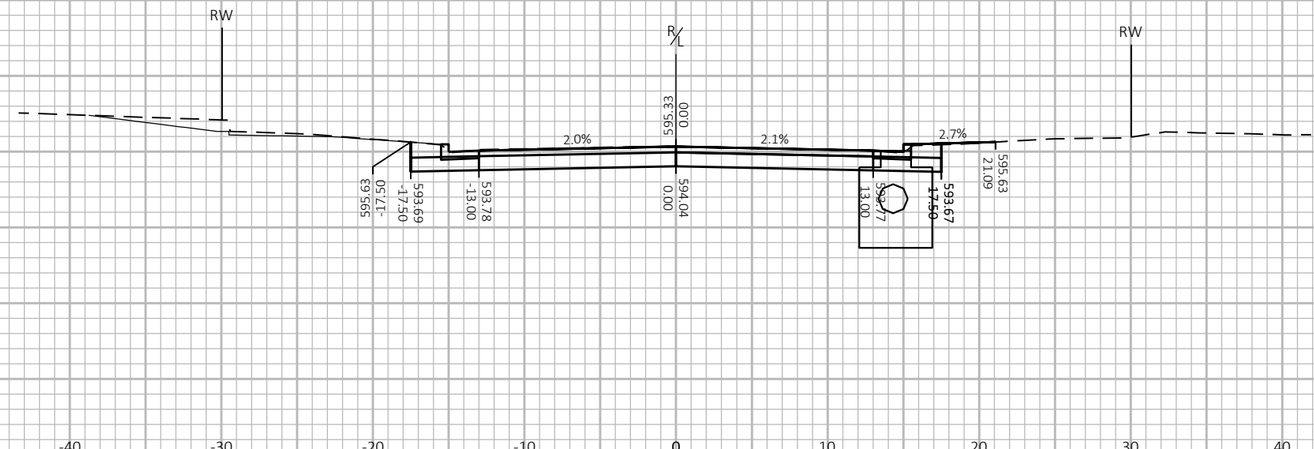
FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 02

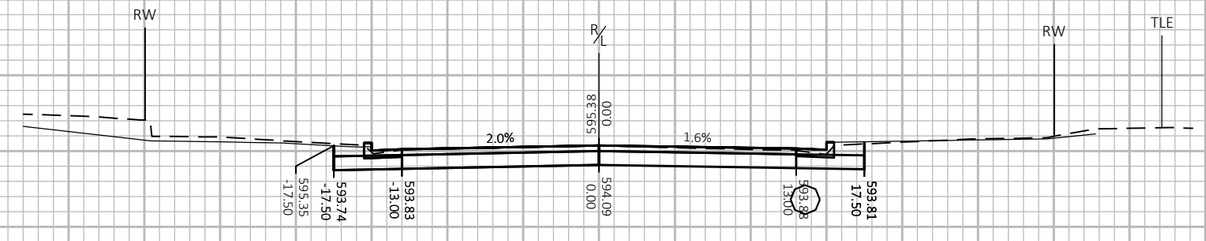
PLOT DATE : 2/19/2026 11:25 AM PLOT BY : WORECK, CHRIS PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

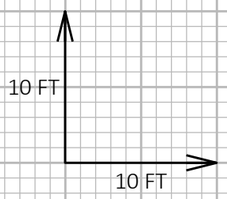
WISDOT/CADDS SHEET 49

CONSTRUCTION LIMIT STA 80+75









9

9

PROJECT NO: 9995-05-73	HWY: MADISON AVENUE	COUNTY: MARINETTE	CROSS SECTIONS: DUNLAP AVENUE	SHEET 237	E

FILE NAME : X:\GB\2023\20230179\DESIGN\TRANSPORTATION\SHEETSPLAN\090204-XS.DWG
LAYOUT NAME - 03

PLOT DATE : 2/19/2026 11:26 AM PLOT BY : WORECK, CHRIS PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov