GRE

PROJECT ID: 4992-00-60

WITH: N/A

COUNTY: WINNEBAGO

NOVEMBER 2024

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 = 368



30

N

DESIGN DESIGNATION

A.A.D.T.	2025	=	12,570
A.A.D.T.	2045	=	13,420
D.H.V.		=	950
D.D.		=	50/50
T.		=	6.6%
DESIGN SPEED		=	30 MPH
ESALS		=	3,500,000 (CONCRETE)

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

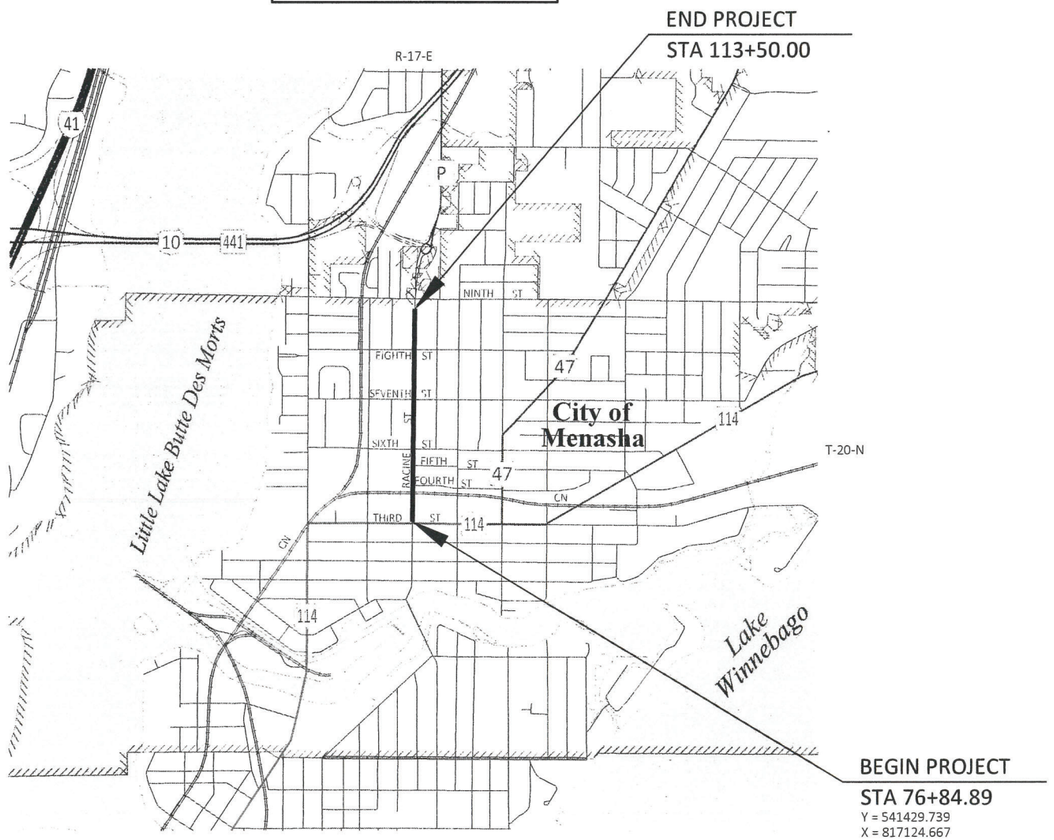
C MENASHA, RACINE STREET

THIRD STREET TO NINTH STREET

LOC STR

WINNEBAGO COUNTY

STATE PROJECT NUMBER
4992-00-60



LAYOUT

SCALE 0 0.5 MI

TOTAL NET LENGTH OF CENTERLINE = 0.694 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), WINNEBAGO 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
4992-00-60	WISC 2025041	1

ACCEPTED FOR

CITY OF MENASHA

DATE 7/24/24 Laura Jungwirth

LAURA JUNGWIRTH
DIRECTOR OF PUBLIC WORKS

ORIGINAL PLANS PREPARED BY

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
93 South Pioneer Road, Suite 300
Fond du Lac, WI 54935
(920) 924-5720

WISCONSIN JEFFREY A. CHVOSTA E-39047 SLINGER, WI 7/23/24 PROFESSIONAL ENGINEER

DATE: _____ JEFFREY A. CHVOSTA, PE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	GREMMER & ASSOCIATES, INC.
Designer	GREMMER & ASSOCIATES, INC.
Project Manager	JODI JAROSINSKI
Regional Examiner	NORTHEAST REGION
Regional Supervisor	BRIAN EDWARDS

APPROVED FOR THE DEPARTMENT

DATE: 07/24/2024 Jodi Jarosinski
(Signature)

E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-010101-TI.DWG PLOT DATE : 7/23/2024 12:52 PM PLOT BY : AARON SARAUER PLOT NAME :

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.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

SAWCUT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD.

THE EXACT LOCATION AND LAYOUT OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATIONS WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES.

ROTATE MANHOLE COVERS TO MATCH LANE LINES OR CENTER OF LANE AS DIRECTED BY THE ENGINEER IN THE FIELD.

EROSION CONTROL ITEMS SHOWN ARE APPROXIMATE, THE EXACT LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THAT THE MEASURE IS NO LONGER NECESSARY.

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

4" TOPSOIL, FERTILIZER, SEED, AND EROSION MAT AS SHOWN IN PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE PLACED ON ALL DISTURBED AREAS, EXCLUSIVE OF THE AREA OCCUPIED BY THE NEW PAVEMENTS, SIDEWALKS, ENTRANCES, AND RELATED STRUCTURES.

PROPOSED SECTIONS AS SHOWN ON THE CROSS SECTION SHEETS SHOW THE FINISHED SURFACE OF TOPSOIL WHERE REQUIRED.

ORDER OF SECTION 2 SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
PAVEMENT GRADES
CURB RAMP DETAILS
EROSION CONTROL PLAN
STORM SEWER LAYOUT
SIGNING PLAN
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING PLAN
TRAFFIC CONTROL
DETOUR
ALIGNMENT DIAGRAM

ABBREVIATIONS

A.A.D.T.	ANNUAL AVERAGE DAILY TRAFFIC
A.D.T.	AVERAGE DAILY TRAFFIC
AE, AEW	APRON ENDWALL
AGG	AGGREGATE
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
CC	CENTER OF CURVATURE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
CONC	CONCRETE
CMCP	CORRUGATED METAL CULVERT PIPE
CMP	CORRUGATED METAL PIPE
D	DEGREE OF CURVE
Δ	DELTA
D.H.V.	DESIGN HOURLY VOLUME
E	EXTERNAL DISTANCE FROM MIDPOINT OF CIRCULAR CURVE FROM ANGLE INTERSECTION
EL, ELEV	ELEVATION
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
FE	FIELD ENTRANCE
F/L, FL	FLOW LINE
HT	HEIGHT
INTER	INTERSECTION
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
MP	MARKER POST
NC	NORMAL CROWN
NOM	NOMINAL
NOR, NORM	NORMAL
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
P.L.	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RO	RUN OFF LENGTH
SALV	SALVAGED
SDD	STANDARD DETAIL DRAWING(S)
SE	SUPERELEVATION
SEG	SEGMENT
SHLD	SHOULDER
S/L	SURVEY LINE
T.	PERCENT TRUCKS
T	TANGENT LENGTH
TEMP	TEMPORARY
TER	TERRACE
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
V	VELOCITY OR DESIGN SPEED
VAR	VARIABLE
VC	VERTICAL CURVE
VCL	VERTICAL CURVE LENGTH
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPRC	VERTICAL POINT OF REVERSE CURVATURE
VPT	VERTICAL POINT OF TANGENCY

DESIGN CONTACT

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EMAIL: j.chvosta@gremmerassociates.com

DNR AREA LIAISON

JEREMIAH SCHIEFELBEIN
WISCONSIN DEPT. OF NATURAL RESOURCES
NORTHEAST REGION HQ
2984 SHAWANO AVENUE
GREEN BAY, WI 54313-6727
PHONE: (920)-360-3784
EMAIL: Jeremiah.Schiefelbein@wisconsin.gov

WISDOT CONTACT

JODI JAROSINSKI
WISCONSIN DEPARTMENT OF TRANSPORTATION
NORTHEAST REGION
944 VANDERPERREN WAY
GREEN BAY, WI 54304
PHONE: (920) 360-2351
EMAIL: jodi.jarosinski@dot.wi.gov

CITY OF MENASHA CONTACT

LAURA JUNGWIRTH
DIRECTOR OF PUBLIC WORKS
100 MAIN STREET, SUITE 200
MENASHA, WI 54952
PHONE: (920) 967-3611
EMAIL: ljungwirth@menashawi.gov

UTILITIES

COMMUNICATIONS
AT&T WISCONSIN
221 W WASHINGTON STREET
APPLETON, WI 54911
ATTN: KYLE WEBER
PHONE: (715) 889-5969
EMAIL: kw715w@att.com

SEWER
CITY OF MENASHA
100 MAIN STREET, SUITE 200
MENASHA, WI 54952
ATTN: COREY GORDON
PHONE: (920) 967-3615
EMAIL: cgordon@menashawi.gov

COMMUNICATIONS
LUMEN
710 MIFFLIN STREET
MADISON, WI 53703
ATTN: RYAN BIRDSALL
PHONE: (608) 658-2899
EMAIL: ryan.birdsall@lumen.com

ELECTRIC
MENASHA UTILITIES
321 MILWAUKEE STREET
MENASHA, WI 54952
ATTN: BAILEY STOLLBERG
PHONE: (920) 967-3416
EMAIL: bstollberg@menashautilities.com

WATER
MENASHA UTILITIES
321 MILWAUKEE STREET
MENASHA, WI 54952
ATTN: SCOTT MAURER
PHONE: (920) 967-3430
EMAIL: scmaurer@menashautilities.com

COMMUNICATIONS
SPECTRUM
3520 EAST DESTINATION DRIVE
APPLETON, WI 54915
ATTN: LISA ALBIN
PHONE: (920) 831-9263
EMAIL: lisa.albin@charter.com

COMMUNICATIONS
TDS METROCOM, LLC
229 E GREEN BAY STREET
BONDUEL, WI 54107
ATTN: TIM SMITH
PHONE: (920) 560-5563
EMAIL: tim.smith@tdstelecom.com

ELECTRIC
WE ENERGIES
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
ATTN: ZACH BUGA
PHONE: (920) 380-3458
EMAIL: zachary.duga@we-energies.com

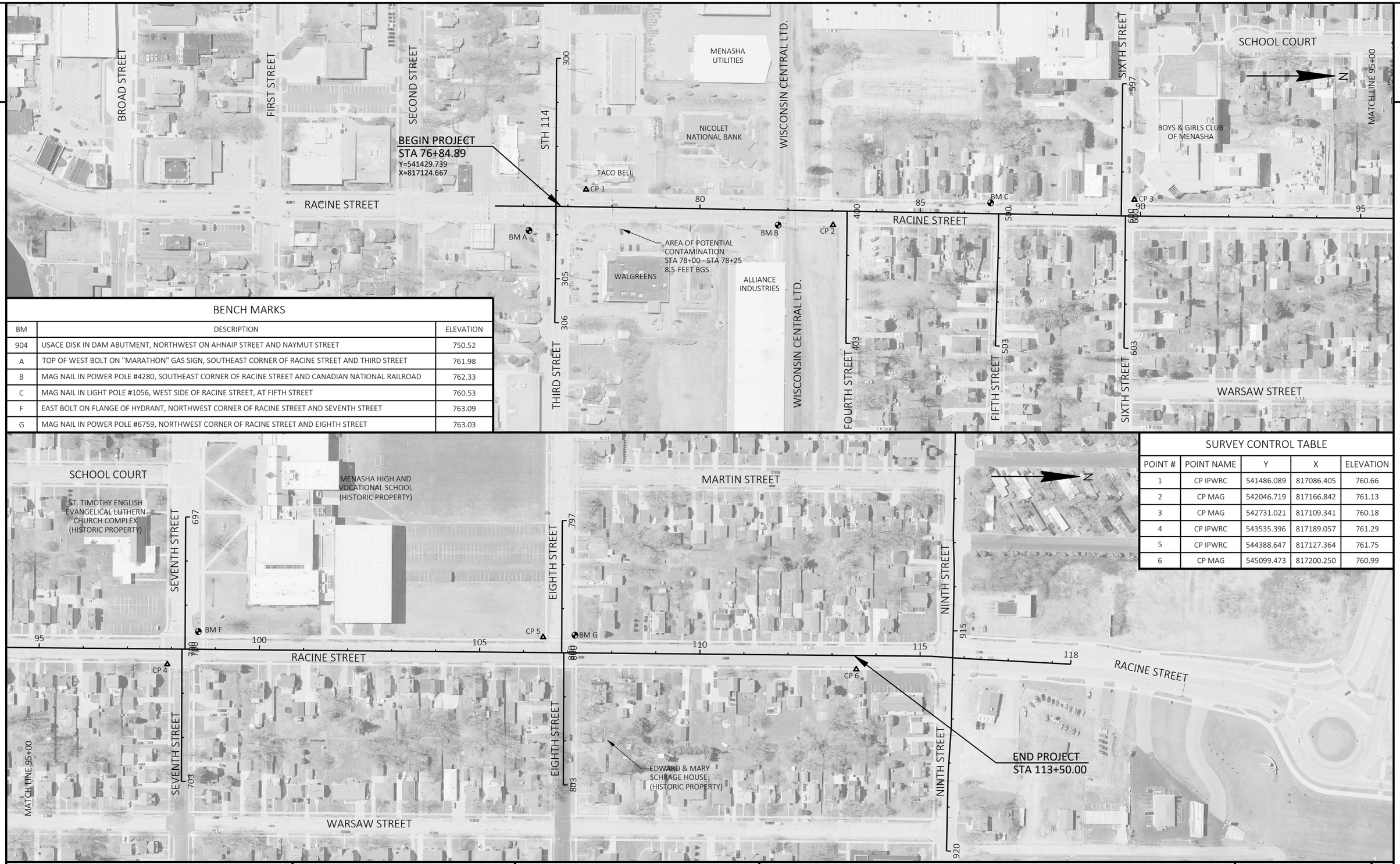
GAS
WE ENERGIES
800 SOUTH LYNNDALE DRIVE
APPLETON, WI 54914
ATTN: JESUS VICTORIA
PHONE: (920) 380-3314
EMAIL: jesus.victoria@we-energies.com

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 STRIP-TURF	.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 SLOPE-TURF			.25 .32			.27 .34			.28 .36			.25 .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 = 6.062 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 6.669 ACRES



BENCH MARKS

BM	DESCRIPTION	ELEVATION
904	USACE DISK IN DAM ABUTMENT, NORTHWEST ON AHNAIP STREET AND NAYMUT STREET	750.52
A	TOP OF WEST BOLT ON "MARATHON" GAS SIGN, SOUTHEAST CORNER OF RACINE STREET AND THIRD STREET	761.98
B	MAG NAIL IN POWER POLE #4280, SOUTHEAST CORNER OF RACINE STREET AND CANADIAN NATIONAL RAILROAD	762.33
C	MAG NAIL IN LIGHT POLE #1056, WEST SIDE OF RACINE STREET, AT FIFTH STREET	760.53
F	EAST BOLT ON FLANGE OF HYDRANT, NORTHWEST CORNER OF RACINE STREET AND SEVENTH STREET	763.09
G	MAG NAIL IN POWER POLE #6759, NORTHWEST CORNER OF RACINE STREET AND EIGHTH STREET	763.03

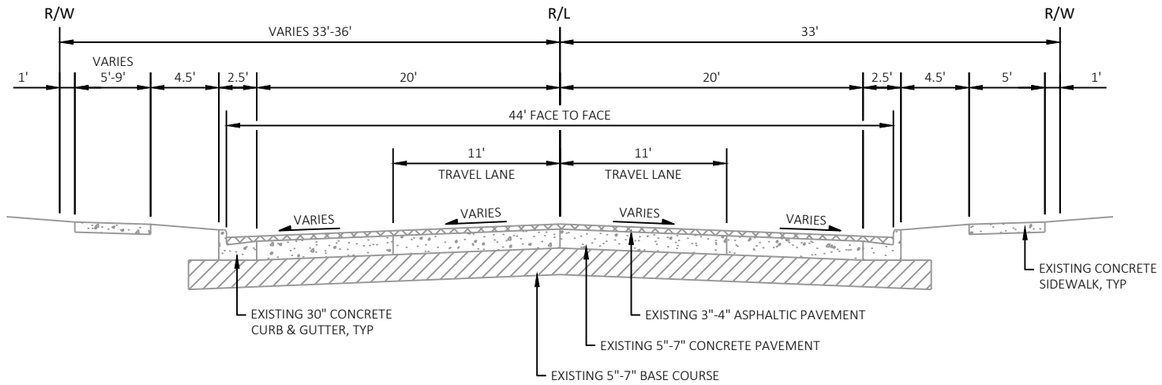
SURVEY CONTROL TABLE

POINT #	POINT NAME	Y	X	ELEVATION
1	CP IPWRC	541486.089	817086.405	760.66
2	CP MAG	542046.719	817166.842	761.13
3	CP MAG	542731.021	817109.341	760.18
4	CP IPWRC	543535.396	817189.057	761.29
5	CP IPWRC	544388.647	817127.364	761.75
6	CP MAG	545099.473	817200.250	760.99

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PROJECT OVERVIEW	SHEET 3	E

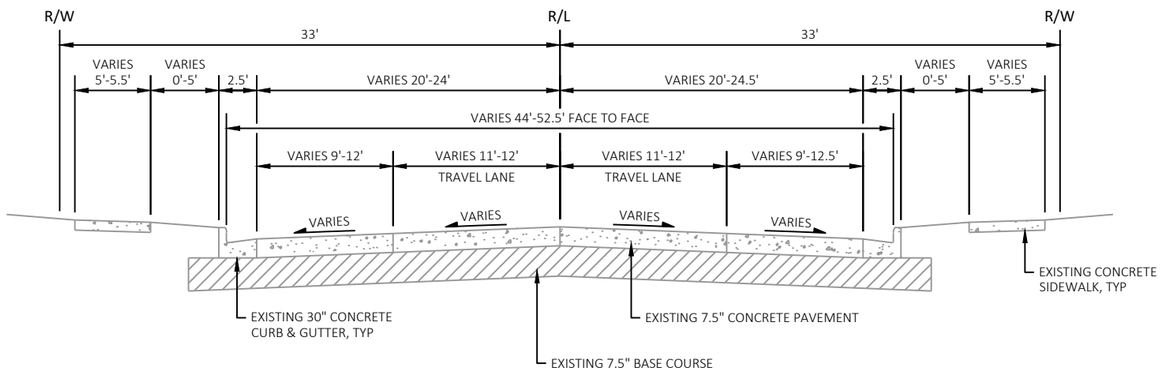
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LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 8:50 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:200 FT



TYPICAL EXISTING SECTION

RACINE STREET
STA 82+18 - STA 113+50



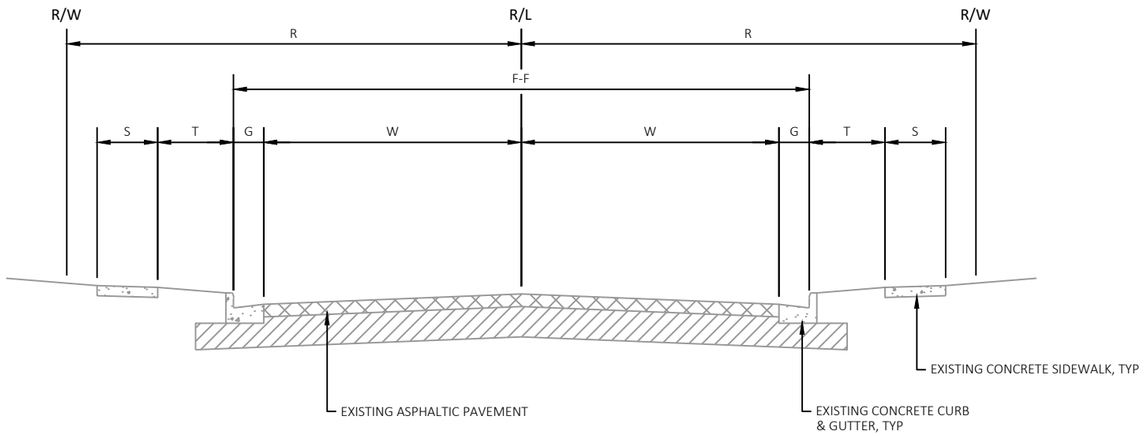
TYPICAL EXISTING SECTION

RACINE STREET
STA 76+79 - STA 81+96

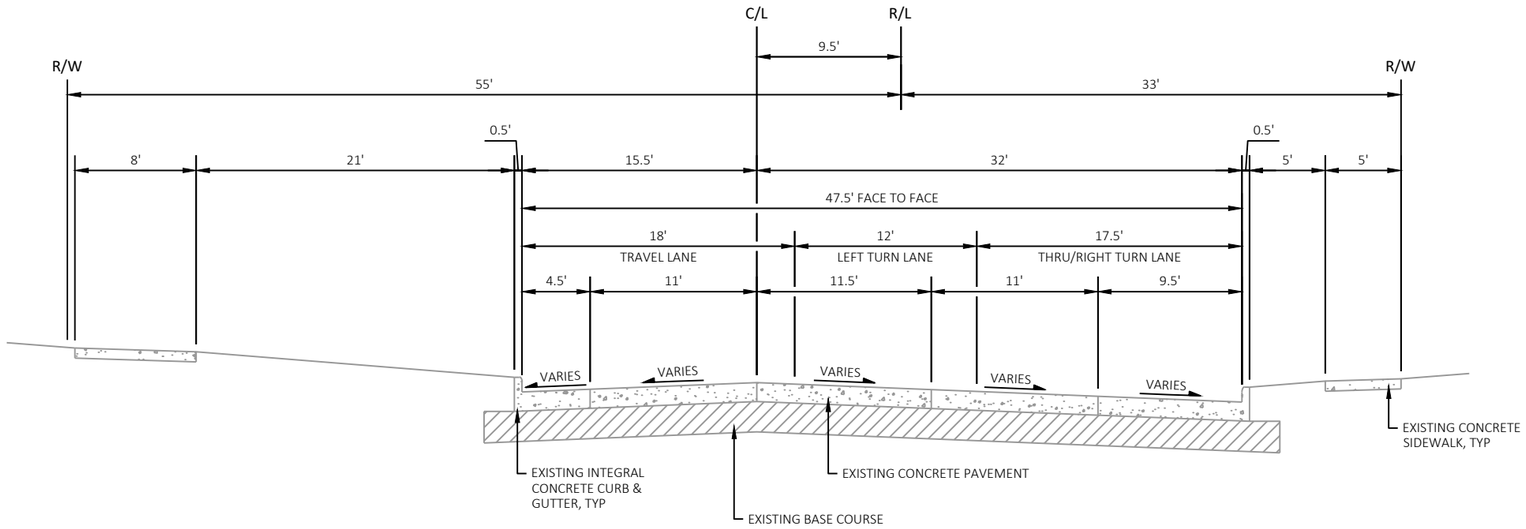
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-020301-TS.DWG
LAYOUT NAME - Sheet-01
PLOT DATE : 7/31/2024 8:50 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:10 FT

SIDEROADS - EXISTING											
STREET	LEFT SIDE					RIGHT SIDE					F-F
	ROW (R)	SIDEWALK (S)	TERRACE (T)	GUTTER (G)	OVERALL WIDTH (W)	OVERALL WIDTH (W)	GUTTER (G)	TERRACE (T)	SIDEWALK (S)	ROW (R)	
FOURTH STREET	37' - 38'	4'	7.5'	2'	14'	14.5'	2'	N/A	N/A	26'	32.5'
FIFTH STREET	17'	4.5'	0.5'	2'	10'	10'	2'	0.5'	4.75'	23'	24'
SIXTH STREET (WEST)	26'	5'	0.5'	2'	17'	19'	2'	8.5' - 11' (CONC)	5' - 7.5'	26'	40'
SIXTH STREET (EAST)	20'	5'	0.5'	2'	12'	13'	2'	0.5'	5'	20'	29'3
SEVENTH STREET (EAST)	33'	5'	6'	2'	19.5'	14.5'	2'	6'	5'	33'	38'
EIGHTH STREET (WEST)	33'	5'	5.5'	2'	20.5'	27.5'	2'	6.5'	5'	42'	52'
EIGHTH STREET (EAST)	33'	5'	6'	2'	20'	17'	2'	6'	5'	33'	41'

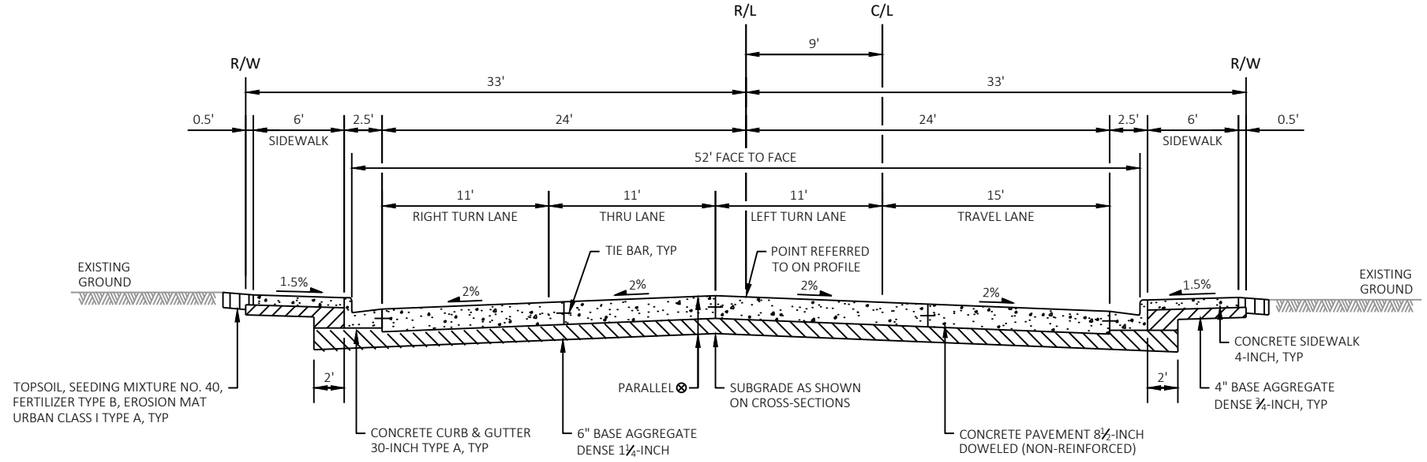


TYPICAL EXISTING SECTION
SIDE ROADS



TYPICAL EXISTING SECTION
SEVENTH STREET (WEST)
STA 699+08 - STA 700+00

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 5	E

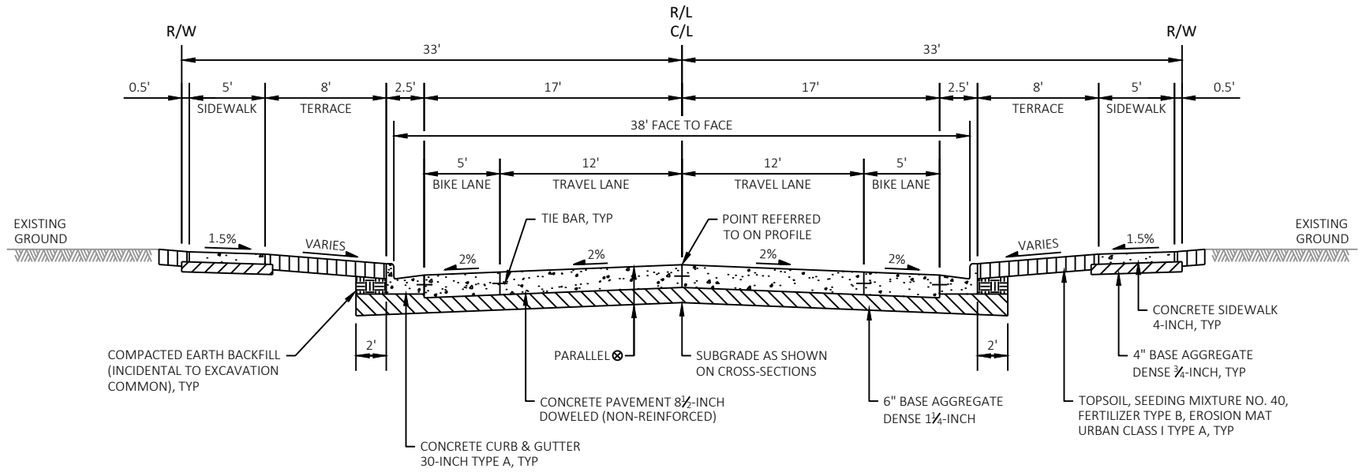


TYPICAL FINISHED SECTION

RACINE STREET
STA 76+79 - STA 79+88

NOTES:

⊗ SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.

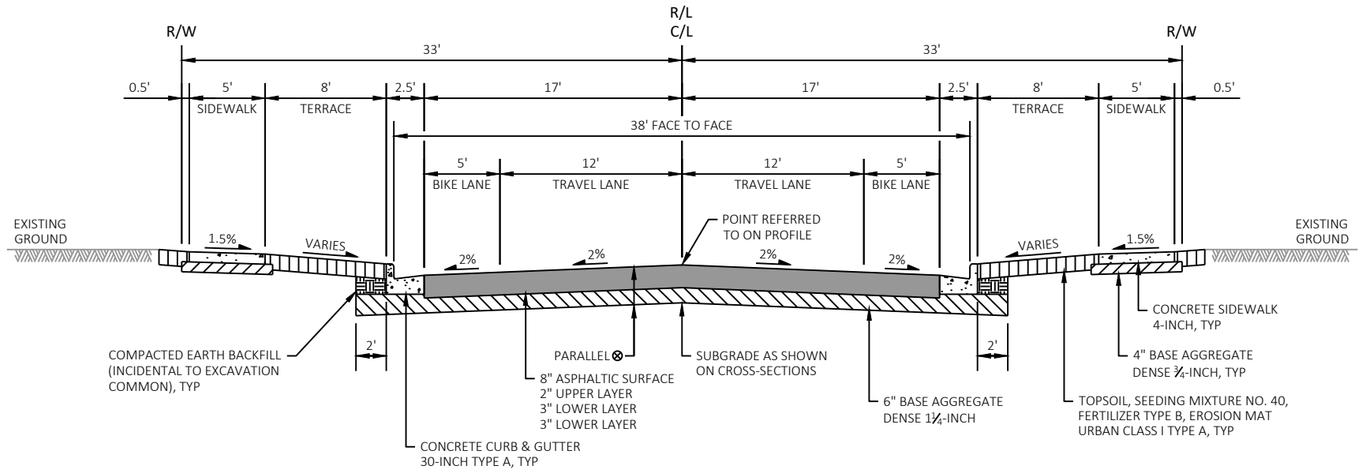


TYPICAL FINISHED SECTION

RACINE STREET
STA 79+88 - STA 81+70
STA 82+44 - STA 83+33

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 6	E

2

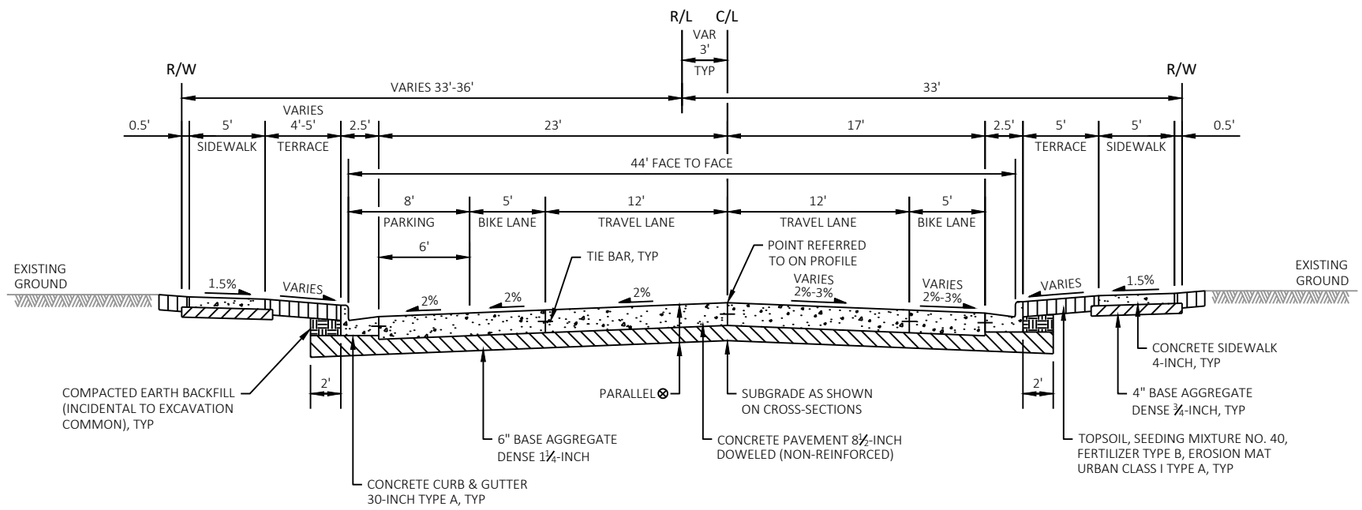


TYPICAL FINISHED SECTION

RACINE STREET
STA 81+70 - STA 82+44

NOTES:

⊗ SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.

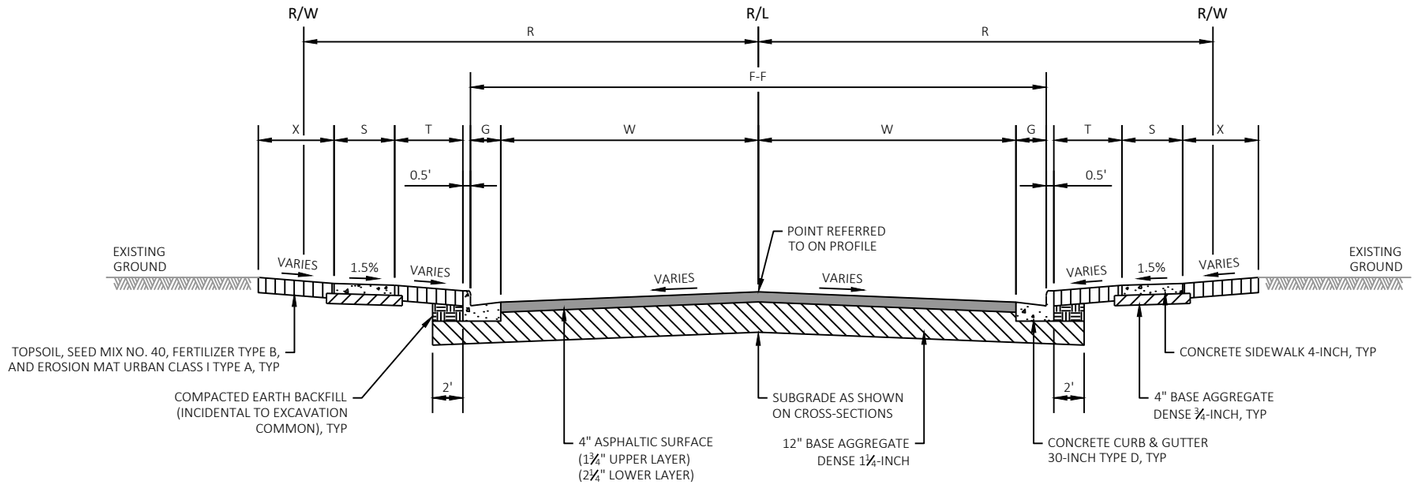


TYPICAL FINISHED SECTION

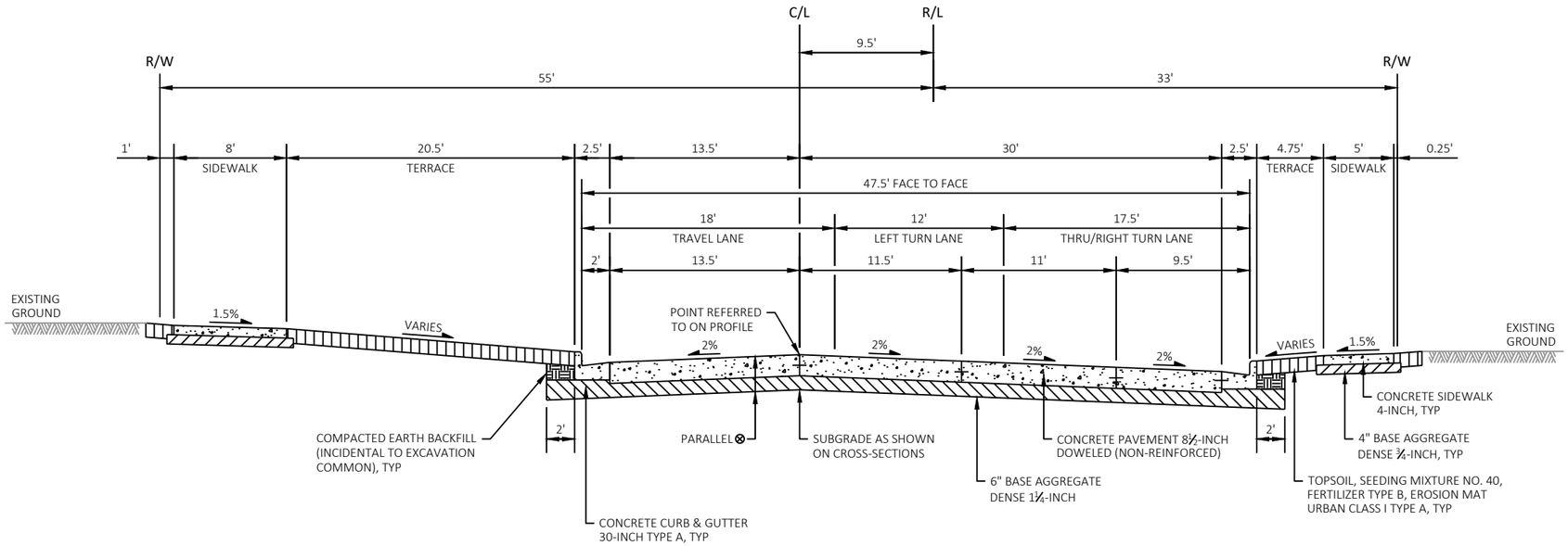
RACINE STREET
STA 83+33 - STA 113+50

2

SIDEROADS - PROPOSED													
STREET	LEFT SIDE						RIGHT SIDE						F-F
	ROW (R)	(X)	SIDEWALK (S)	TERRACE (T)	GUTTER (G)	OVERALL WIDTH (W)	OVERALL WIDTH (W)	GUTTER (G)	TERRACE (T)	SIDEWALK (S)	(X)	ROW (R)	
FOURTH STREET	37' - 38'	3'	4'-5'	7.25'	2'	14.5'	14.5'	2'	N/A	N/A	3'	26'	33'
FIFTH STREET	17'	3'	4.5' - 5'	0.5'	2'	10'	10'	2'	0.5'	4.75' - 5'	3'	23'	24'
SIXTH STREET (WEST)	26'	3'	5'	0.5'	2'	17'	19'	2'	8.5' - 11' (CONC)	7'	3'	26'	40'
SIXTH STREET (EAST)	20'	3'	5'	0.5'	2'	12'	13'	2'	0.5'	5'	3'	20'	29'
SEVENTH STREET (EAST)	33'	3'	5'	6'	2'	19.5'	14.5'	2'	6'	5'	3'	33'	38'
EIGHTH STREET (WEST)	33'	3'	5'	5.5'	2'	20.5'	27.5'	2'	6.5'	5'	3'	42'	52'
EIGHTH STREET (EAST)	33'	3'	5'	5.5'	2'	20'	14'	2'	5.5'	5'	3'	33'	41'



TYPICAL FINISHED SECTION
SIDEROADS



NOTES:

⊗ SUBGRADE SLOPES ARE PARALLEL TO TRAVEL LANE.

TYPICAL FINISHED SECTION
SEVENTH STREET (WEST)
STA 699+08 - STA 700+00

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TYPICAL SECTIONS	SHEET 8	E

NOTES:

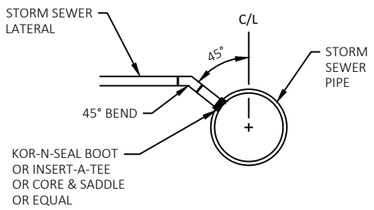
STORM SEWER LATERALS SHALL BE INSTALLED WITH 4-FEET OF DESIRABLE COVER AND 3-FEET OF MINIMUM COVER.

STORM SEWER LATERALS WHEN CONNECTED DIRECTLY TO THE STORM SEWER PIPE SHALL BE AT AN ELEVATION NO LOWER THAN THE SPRING LINE.

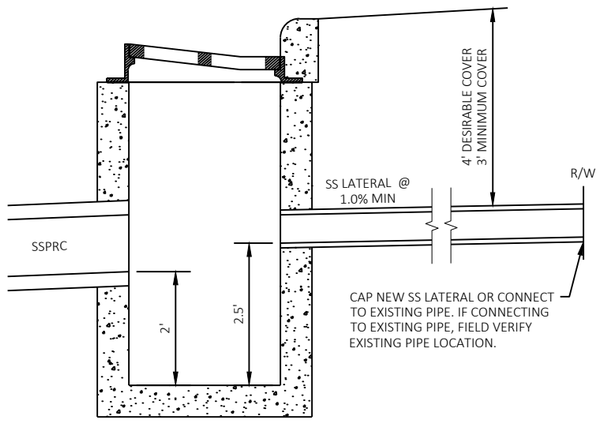
STORM SEWER LATERAL DEPTHS SHALL BE ADJUSTED TO AVOID UTILITY CONFLICTS.

STORM SEWER LATERALS SHALL BE CAPPED AT A POINT BEYOND THE RIGHT-OF-WAY LINE OR SHALL BE CONNECTED TO AN EXISTING PIPE.

STORM SEWER LATERAL LOCATIONS SHALL BE COORDINATED WITH THE CITY OF MENASHA AND SHALL BE VERIFIED BY THE ENGINEER IN THE FIELD.



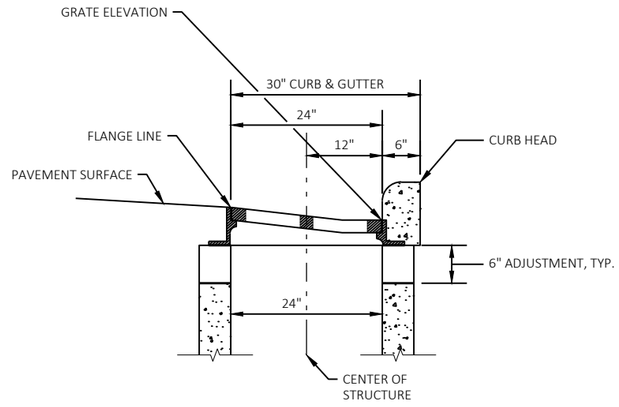
STORM SEWER PIPE CONNECTION



CATCH BASIN CONNECTION

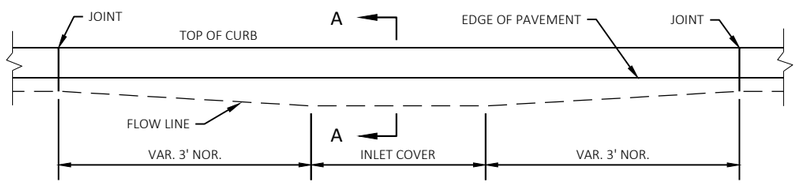
STORM SEWER LATERAL CONNECTION

(INCIDENTAL TO STORM LATERAL BID ITEM)



(INLETS 2'X3'-MOD)

SECTION A-A

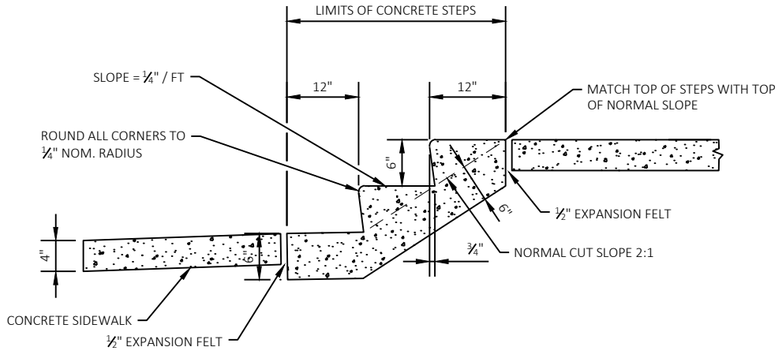


ELEVATION

CURB AND GUTTER DETAIL AT INLETS

NOTES:

ALL RISERS SHALL BE SAME HEIGHT. RISER HEIGHT SHALL BE 4" MINIMUM AND 8" MAXIMUM.
ALL TREADS SHALL BE SAME DEPTH. TREAD DEPTH SHALL BE 11" MINIMUM AND 12" MAXIMUM.
ACTUAL HEIGHT AND NUMBER OF STEPS MAY VARY DUE TO FIELD CONDITIONS.
STEEL REINFORCEMENT AND PIPE RAILING NOT REQUIRED ON STEPS WITH 2 RISERS OR LESS. ALL STEEL TO 2" CLEAR.
MINIMUM WIDTH OF STEP SHALL BE 4 FEET.
NUMBER OF STEPS LISTED IN PLANS EQUALS NUMBER OF RISERS.

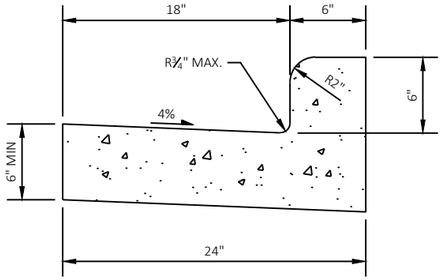


CONCRETE STEPS DETAIL

SEE PLAN SHEETS FOR LOCATIONS

NOTE:

SEE STANDARD DETAIL DRAWING "CONCRETE CURB AND GUTTER" FOR ALL OTHER PERTINENT INFORMATION NOT SHOWN ON THIS DETAIL.

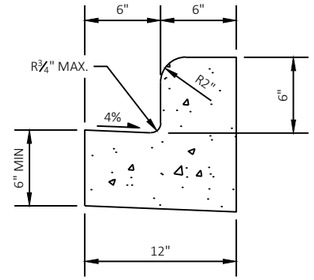


CURB & GUTTER 24-INCH TYPE D DETAIL

SEE PLAN SHEETS FOR LOCATIONS

NOTE:

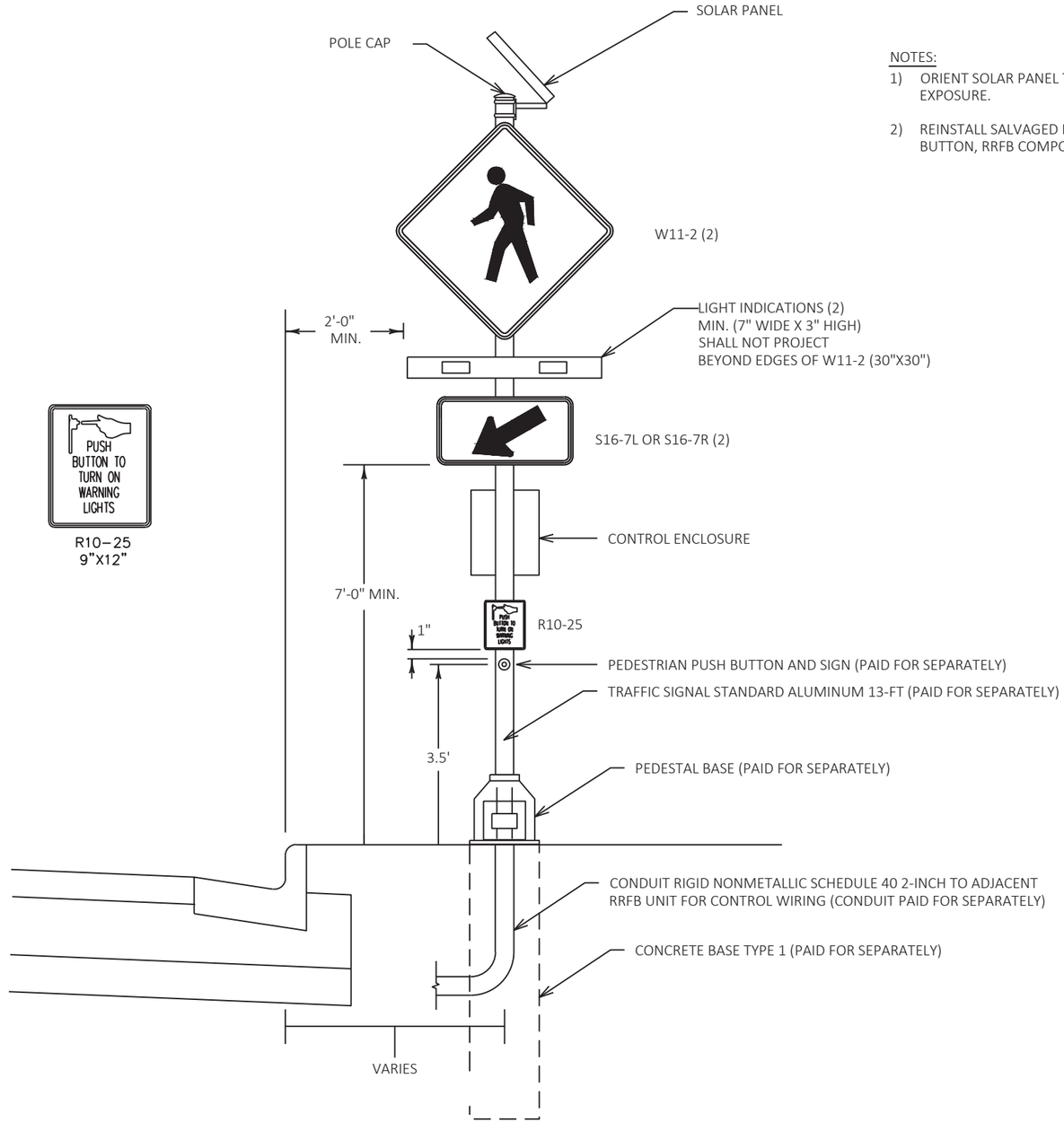
SEE STANDARD DETAIL DRAWING "CONCRETE CURB AND GUTTER" FOR ALL OTHER PERTINENT INFORMATION NOT SHOWN ON THIS DETAIL.



CURB & GUTTER 12-INCH TYPE D DETAIL

SEE PLAN SHEETS FOR LOCATIONS

2



R10–25
9"X12"

NOTES:

1) ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE.

2) REINSTALL SALVAGED PEDESTAL BASE, TRAFFIC SIGNAL STANDARD, PUSH BUTTON, RRFB COMPONENTS AND SIGNS FOR THE NORTHBOUND UNIT.

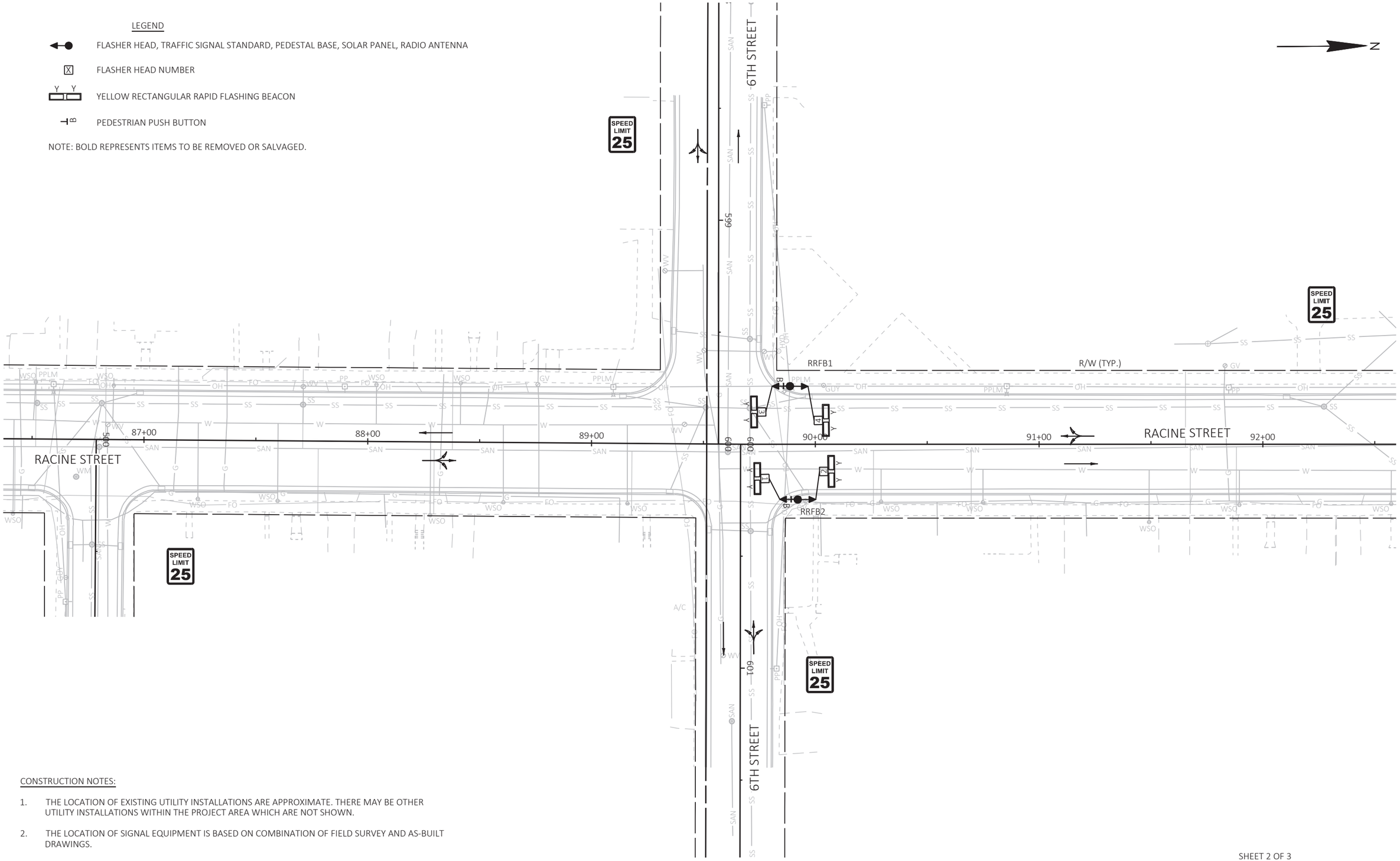
RECTANGULAR RAPID FLASHING BEACON DETAIL

NOT TO SCALE

LEGEND

- FLASHER HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SOLAR PANEL, RADIO ANTENNA
- X — FLASHER HEAD NUMBER
- Y Y — YELLOW RECTANGULAR RAPID FLASHING BEACON
- B — PEDESTRIAN PUSH BUTTON

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR SALVAGED.



CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

2. THE LOCATION OF SIGNAL EQUIPMENT IS BASED ON COMBINATION OF FIELD SURVEY AND AS-BUILT DRAWINGS.

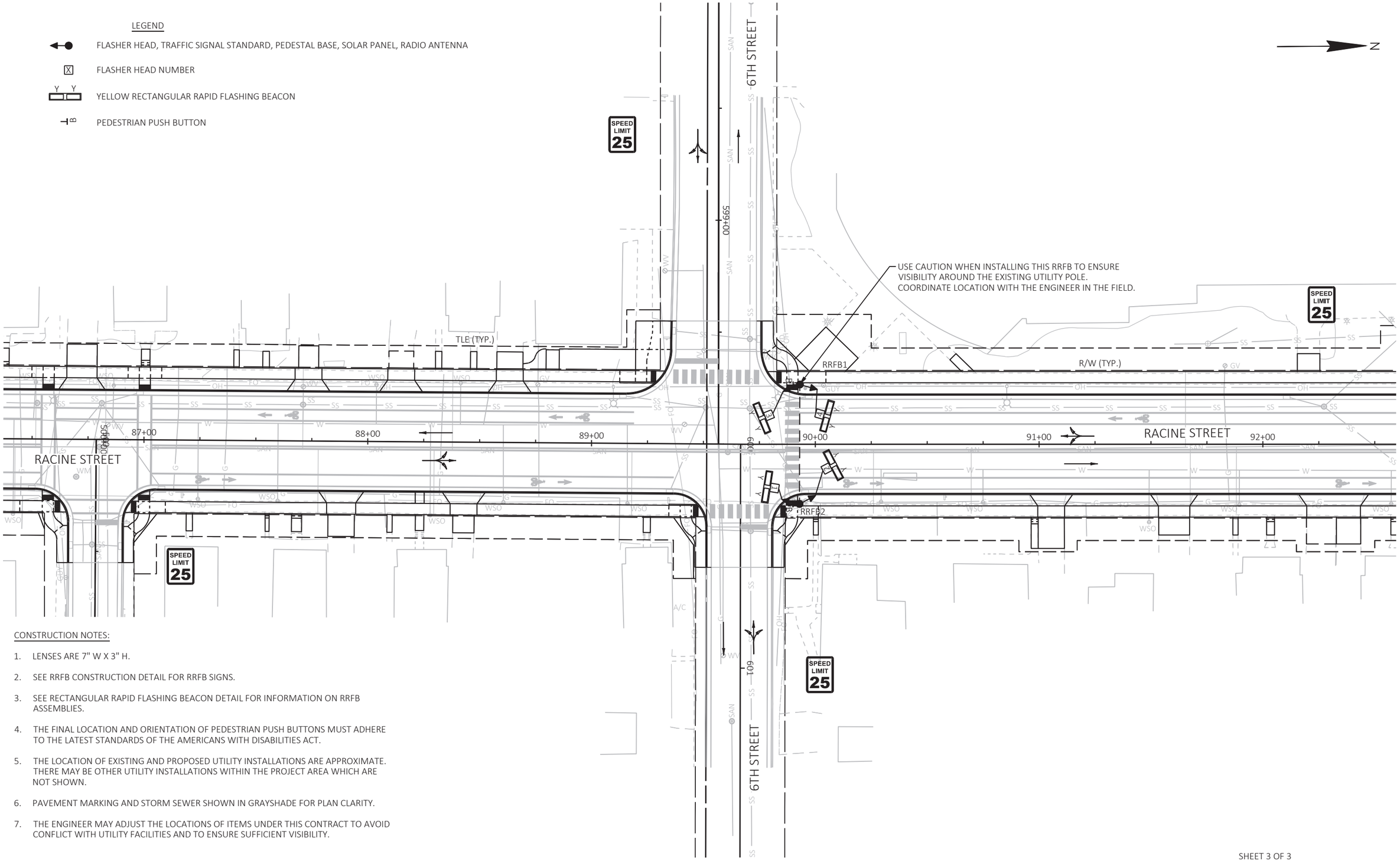
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	RECTANGULAR RAPID FLASHING BEACON DETAIL - REMOVAL	SHEET 12	E

FILE NAME : G:\GREMMER\21073-000 - RACINE ST, MENASHA\CIVIL 3D\SHEETSPLAN\SIGNALS\021001-CD RRFB REMOVAL.DWG
LAYOUT NAME - Racine & 6th
PLOT DATE : 7/30/2024 12:41 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- FLASHER HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE, SOLAR PANEL, RADIO ANTENNA
- X — FLASHER HEAD NUMBER
- Y Y — YELLOW RECTANGULAR RAPID FLASHING BEACON
- B — PEDESTRIAN PUSH BUTTON



CONSTRUCTION NOTES:

1. LENSES ARE 7" W X 3" H.
2. SEE RRFB CONSTRUCTION DETAIL FOR RRFB SIGNS.
3. SEE RECTANGULAR RAPID FLASHING BEACON DETAIL FOR INFORMATION ON RRFB ASSEMBLIES.
4. THE FINAL LOCATION AND ORIENTATION OF PEDESTRIAN PUSH BUTTONS MUST ADHERE TO THE LATEST STANDARDS OF THE AMERICANS WITH DISABILITIES ACT.
5. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
6. PAVEMENT MARKING AND STORM SEWER SHOWN IN GRAYSHADE FOR PLAN CLARITY.
7. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES AND TO ENSURE SUFFICIENT VISIBILITY.

SHEET 3 OF 3

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	RECTANGULAR RAPID FLASHING BEACON DETAIL	SHEET 13	E

FILE NAME : G:\GREMMER\21073-000 - RACINE ST, MENASHA\CIVIL 3D\SHEETSPLAN\021002_CD_RRFB PLAN.DWG
LAYOUT NAME - Racine & 6th INT

PLOT DATE : 7/30/2024 12:24 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
1.01	THIRD	302+72.17	24.5' LT	MATCH EXIST
1.02	RACINE	77+20.00	35.8' LT	C & G LP INLET
1.03	RACINE	77+22.52	34.4' LT	C & G PC
1.04	RACINE	77+29.61	30.9' LT	C & G PC
1.05	RACINE	77+46.84	25.0' LT	C & G PRC
1.06	RACINE	77+56.97	24.0' LT	C & G PC
1.07	THIRD	304+23.53	24.1' LT	MATCH EXIST
1.08	THIRD	304+20.05	24.8' LT	C & G PRC
1.09	RACINE	77+19.62	46.4' RT	C & G LP INLET
1.10	RACINE	77+73.90	24.0' RT	C & G PC
1.11	THIRD	304+22.59	12.5' LT	MATCH EXIST
1.12	THIRD	303+61.13	12.0' LT	MATCH EXIST
1.13	THIRD	303+61.05	5.6' LT	MATCH EXIST
1.14	THIRD	303+22.43	6.3' LT	MATCH EXIST
1.15	THIRD	303+22.93	12.0' LT	MATCH EXIST
1.16	THIRD	302+72.13	11.9' LT	MATCH EXIST
1.17	THIRD	302+69.28	34.1' LT	SIDEWALK PI MATCH EXIST
1.18	THIRD	302+79.58	37.3' LT	SIDEWALK PI
1.19	THIRD	304+25.48	33.8' LT	SIDEWALK PI MATCH EXIST
1.20	THIRD	304+15.88	35.0' LT	SIDEWALK PI

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R1.01	RACINE	77+45.73	80.95' LT	52.0'
R1.02	RACINE	77+60.18	92.18' LT	68.5'
R1.03	RACINE	77+56.97	76.00' LT	52.0'
R1.04	RACINE	77+73.90	101.00' RT	77.0'
R1.05	RACINE	78+24.46	112.46' RT	128.8'

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

THIRD STREET

RACINE STREET

CONCRETE PAVEMENT 8½-INCH (COLORED RED)

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE SIDEWALK 4-INCH (COLORED & STAMPED)

CONCRETE CURB & GUTTER 30-INCH TYPE A (REVERSE SLOPE)

CONCRETE PAVEMENT 8½-INCH (COLORED RED)

CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE)

PAVEMENT CROWN POINT

TRAFFIC SIGNALS AND LOOPS AT THIRD STREET TO BE REMOVED & REPLACED BY OTHERS UNDER CITY PROJECT

CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE)

CONCRETE CURB & GUTTER 30-INCH TYPE A (REVERSE SLOPE)

CONCRETE SIDEWALK 4-INCH (COLORED & STAMPED)

CONCRETE PAVEMENT 8½-INCH (COLORED RED)

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE PAVEMENT 8½-INCH

CONCRETE SIDEWALK 4-INCH

CONCRETE DRIVEWAY 8-INCH

CONCRETE SIDEWALK 4-INCH

TLE

EXIST R/W

78+30.00 13.00' LT

78+30.00 2.00' LT

78+30.00 9.00' RT

MATCH LINE STA 78+50

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 14	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 10:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

N

MATCH LINE STA 78+50

MATCH LINE STA 81+50

RACINE STREET

CONCRETE CURB & GUTTER 24-INCH TYPE D

ASPHALTIC SURFACE FOR DWY (CE)

CONCRETE PAVEMENT 8½-INCH

CONCRETE CURB & GUTTER 24-INCH TYPE D

CONCRETE SIDEWALK 4-INCH

CONCRETE DRIVEWAY 8-INCH

2.01

30' (TYPE X)

6'

2'

5'

8'

5'

2.02

2.03

79+80.00 12.00' LT

PAVEMENT CROWN POINT

79+65.00 0.00'

79

80

81

12'

CONCRETE CURB & GUTTER 30-INCH TYPE A

79+80.00 12.00' RT

78+75.00 21.00' RT

2.04

3'

6'

2'

CONCRETE DRIVEWAY 8-INCH

2.05

2.06

(TYPE Z) 30.3'

5'

8'

5'

EXIST R/W

TLE

CONCRETE SIDEWALK 4-INCH

CONCRETE SIDEWALK 4-INCH (COLORED & STAMPED)

CONCRETE CURB & GUTTER 18-INCH TYPE D

ASPHALTIC SURFACE FOR DWY (CE)

CONCRETE CURB & GUTTER 18-INCH TYPE D

ASPHALTIC SURFACE FOR DWY (PE)

CONCRETE SIDEWALK 4-INCH

CONCRETE DRIVEWAY 6-INCH

(TYPE Z) 20.1'

(TYPE Z) 32.8'

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE DRIVEWAY 8-INCH

CONCRETE CURB TYPE D

CONCRETE SIDEWALK 4-INCH

ASPHALTIC SURFACE FOR DWY (CE)

ASPHALTIC SURFACE FOR DWY (PE)

CONCRETE CURB & GUTTER 24-INCH TYPE D

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 24-INCH TYPE D

EXIST R/W

CONCRETE CURB & GUTTER 24-INCH TYPE D

ASPHALTIC SURFACE FOR DWY (CE)

CONCRETE DRIVEWAY 8-INCH

24' (TYPE Z)

20.1'

CONCRETE DRIVEWAY 6-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

CONCRETE CURB TYPE D

CONCRETE SIDEWALK 4-INCH

ASPHALTIC SURFACE FOR DWY (CE)

31.6'

SAN

ASPHALT ENTRANCE

PLANTER

INL

SIGN

COMM VAULT

312

319

320

323

SUBWAY

ALLIANCE INDUSTRIES

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
2.01	RACINE	78+75.00	24.0' LT	C & G PI
2.02	RACINE	79+68.39	17.8' LT	INLET
2.03	RACINE	79+80.00	17.0' LT	C & G PI
2.04	RACINE	78+75.00	24.0' RT	C & G PI
2.05	RACINE	79+60.37	18.3' RT	INLET
2.06	RACINE	79+80.00	17.0' RT	C & G PI

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 15 E

2

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
3.01	RACINE	81+69.93	17.0' LT	CONC LIMITS
3.02	RACINE	81+87.54	17.0' LT	END C & G
3.03	RACINE	82+25.76	17.0' LT	BEGIN C & G
3.04	RACINE	82+44.47	17.0' LT	CONC LIMITS
3.05	RACINE	82+97.84	17.0' LT	C & G PI
3.06	RACINE	83+65.45	20.0' LT	C & G PI

DATA TABLE

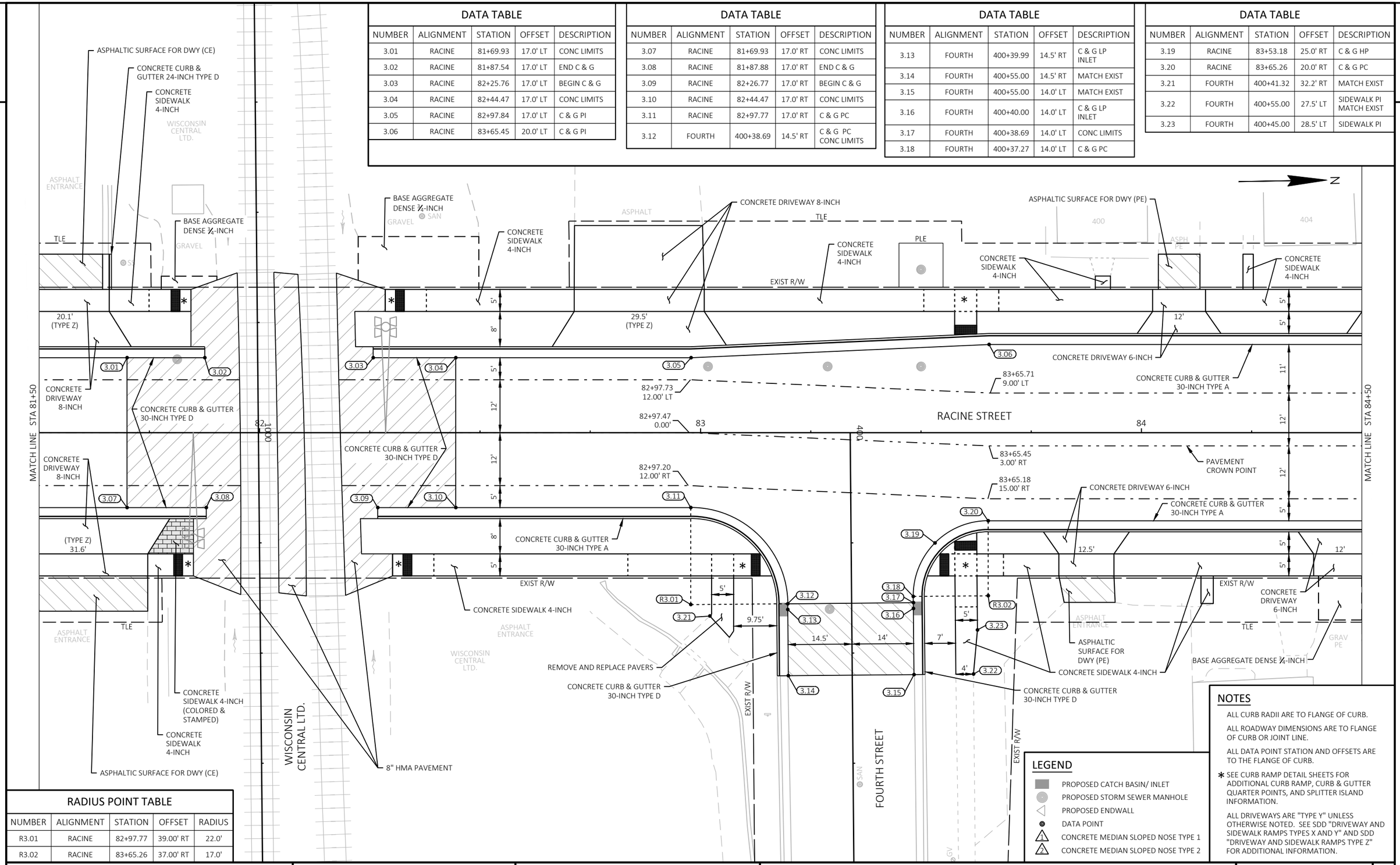
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
3.07	RACINE	81+69.93	17.0' RT	CONC LIMITS
3.08	RACINE	81+87.88	17.0' RT	END C & G
3.09	RACINE	82+26.77	17.0' RT	BEGIN C & G
3.10	RACINE	82+44.47	17.0' RT	CONC LIMITS
3.11	RACINE	82+97.77	17.0' RT	C & G PC
3.12	FOURTH	400+38.69	14.5' RT	C & G PC CONC LIMITS

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
3.13	FOURTH	400+39.99	14.5' RT	C & G LP INLET
3.14	FOURTH	400+55.00	14.5' RT	MATCH EXIST
3.15	FOURTH	400+55.00	14.0' LT	MATCH EXIST
3.16	FOURTH	400+40.00	14.0' LT	C & G LP INLET
3.17	FOURTH	400+38.69	14.0' LT	CONC LIMITS
3.18	FOURTH	400+37.27	14.0' LT	C & G PC

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
3.19	RACINE	83+53.18	25.0' RT	C & G HP
3.20	RACINE	83+65.26	20.0' RT	C & G PC
3.21	FOURTH	400+41.32	32.2' RT	MATCH EXIST
3.22	FOURTH	400+55.00	27.5' LT	SIDEWALK PI MATCH EXIST
3.23	FOURTH	400+45.00	28.5' LT	SIDEWALK PI



RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R3.01	RACINE	82+97.77	39.00' RT	22.0'
R3.02	RACINE	83+65.26	37.00' RT	17.0'

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 16	E

2

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
4.01	RACINE	84+90.00	20.0' LT	INLET
4.02	RACINE	85+00.00	20.0' LT	C & G LP INLET
4.03	RACINE	86+47.18	20.0' LT	INLET
4.04	RACINE	87+10.00	20.0' LT	C & G LP INLET
4.05	RACINE	87+30.00	20.0' LT	INLET

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
4.06	RACINE	85+00.00	20.0' RT	C & G LP INLET
4.07	RACINE	86+47.18	20.0' RT	INLET
4.08	RACINE	86+51.53	20.0' RT	C & G PC
4.09	FIFTH	500+36.80	10.0' RT	C & G PC
4.10	FIFTH	500+37.20	10.0' RT	CONC LIMITS

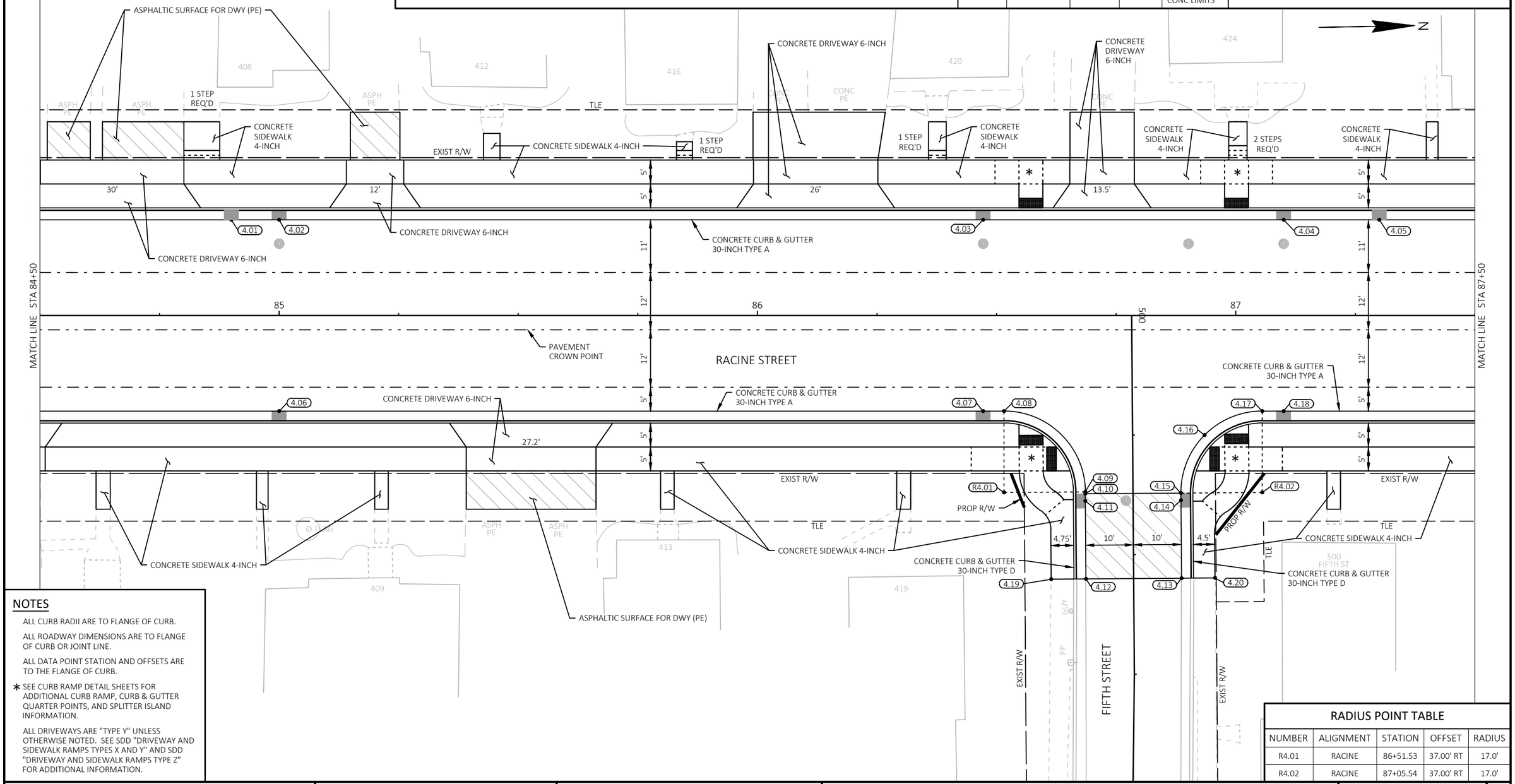
DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
4.11	FIFTH	500+38.70	10.0' RT	C & G LP INLET
4.12	FIFTH	500+55.00	10.0' RT	MATCH EXIST
4.13	FIFTH	500+55.00	10.0' LT	MATCH EXIST
4.14	FIFTH	500+38.70	10.0' LT	C & G LP INLET
4.15	FIFTH	500+37.20	10.0' LT	C & G PC CONC LIMITS

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
4.16	RACINE	86+93.47	25.0' RT	C & G HP
4.17	RACINE	87+05.54	20.0' RT	C & G PC
4.18	RACINE	87+10.00	20.0' RT	C & G LP INLET
4.19	FIFTH	500+55.00	17.2' RT	MATCH EXIST
4.20	FIFTH	500+55.00	17.0' LT	MATCH EXIST

2



NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R4.01	RACINE	86+51.53	37.00' RT	17.0'
R4.02	RACINE	87+05.54	37.00' RT	17.0'

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 17	E

2

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
5.13	RACINE	89+25.00	20.0' RT	C & G LP INLET
5.14	RACINE	89+36.83	20.0' RT	C & G PC
5.15	SIXTH-EAST	600+36.83	12.5' RT	C & G PC
5.16	SIXTH-EAST	600+36.97	12.5' RT	CONC LIMITS
5.17	SIXTH-EAST	600+38.47	12.5' RT	INLET
5.18	SIXTH-EAST	600+55.00	12.5' RT	MATCH EXIST

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
5.19	SIXTH-EAST	600+55.00	12.5' LT	MATCH EXIST
5.20	SIXTH-EAST	600+38.47	12.5' LT	C & G LP INLET
5.21	SIXTH-EAST	600+36.97	12.5' LT	C & G PC CONC LIMITS
5.22	RACINE	89+95.56	20.0' RT	C & G PC
5.23	RACINE	89+99.73	20.0' RT	INLET
5.24	SIXTH-WEST	599+45.00	36.7' RT	MATCH EXIST

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
5.25	SIXTH-WEST	599+45.00	24.7' LT	MATCH EXIST
5.26	SIXTH-EAST	600+55.00	20.0' RT	MATCH EXIST
5.27	SIXTH-EAST	600+55.00	20.0' LT	MATCH EXIST

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

N

BASE AGGREGATE DENSE ¾-INCH
ASPHALTIC SURFACE FOR DWY (PE)
CONCRETE SIDEWALK 4-INCH
CONCRETE DRIVEWAY 6-INCH
CONCRETE SIDEWALK 4-INCH (COLORED & STAMPED) TO BE PLACED BY CITY AFTER CONSTRUCTION
CONCRETE CURB & GUTTER 30-INCH TYPE D
CONCRETE SIDEWALK 4-INCH
CONCRETE SIDEWALK 4-INCH
CONCRETE DRIVEWAY 6-INCH
CONCRETE CURB & GUTTER 30-INCH TYPE A
CONCRETE SIDEWALK 4-INCH
CONCRETE SIDEWALK 4-INCH
CONCRETE CURB & GUTTER 30-INCH TYPE D
CONCRETE SIDEWALK 4-INCH
CONCRETE CURB & GUTTER 30-INCH TYPE A
SIXTH STREET
EXIST R/W
PROP R/W
TLE
FRANZOI & FRANZOI ATTORNEYS AT LAW
BOYS & GIRLS CLUB OF MENASHA
SIGN
MATCH LINE STA 87+50
MATCH LINE STA 90+50
88
89
90
PAVEMENT CROWN POINT
RACINE STREET
CONCRETE DRIVEWAY 6-INCH
CONCRETE SIDEWALK 4-INCH
CONCRETE DRIVEWAY 6-INCH
CONCRETE CURB & GUTTER 30-INCH TYPE A
1 STEP REQ'D
1 STEP REQ'D
ASPHALTIC SURFACE FOR DWY (PE)
CONCRETE SIDEWALK 4-INCH
ASPHALTIC SURFACE FOR DWY (PE)
EXIST R/W
TLE
CONCRETE CURB & GUTTER 30-INCH TYPE D
CONCRETE SIDEWALK 4-INCH
CONCRETE CURB & GUTTER 30-INCH TYPE D
SIXTH STREET
EXIST R/W
PROP R/W
TLE
1 STEP REQ'D
EXIST R/W
CONCRETE SIDEWALK 4-INCH
TLE
CONCRETE CURB & GUTTER 30-INCH TYPE D
CONCRETE CURB & GUTTER 30-INCH TYPE A

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
5.01	RACINE	89+15.43	20.0' LT	C & G PC
5.02	RACINE	89+25.46	22.4' LT	C & G LP INLET
5.03	SIXTH-WEST	599+57.72	18.8' RT	C & G PC CONC LIMITS
5.04	SIXTH-WEST	599+56.22	18.8' RT	C & G LP INLET
5.05	SIXTH-WEST	599+55.00	18.8' RT	C & G PI
5.06	SIXTH-WEST	599+45.00	18.5' RT	C & G PI MATCH EXIST

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
5.07	SIXTH-WEST	599+45.00	17.2' LT	MATCH EXIST
5.08	SIXTH-WEST	599+56.22	17.2' LT	C & G LP INLET
5.09	SIXTH-WEST	599+57.72	17.2' LT	CONC LIMITS
5.10	SIXTH-WEST	599+58.07	17.2' LT	C & G PC
5.11	RACINE	89+95.74	20.0' LT	C & G PC
5.12	RACINE	89+99.73	20.0' LT	INLET

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R5.01	RACINE	89+95.56	37.00' RT	17.0'
R5.02	RACINE	89+15.43	42.00' LT	22.0'
R5.03	RACINE	89+36.83	37.00' RT	17.0'
R5.04	RACINE	89+95.74	42.00' LT	22.0'

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 18	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-05
PLOT DATE : 9/25/2024 1:45 PM
PLOT BY : JEFF CHVOSTA
PLOT NAME :
PLOT SCALE : 1 IN:20 FT

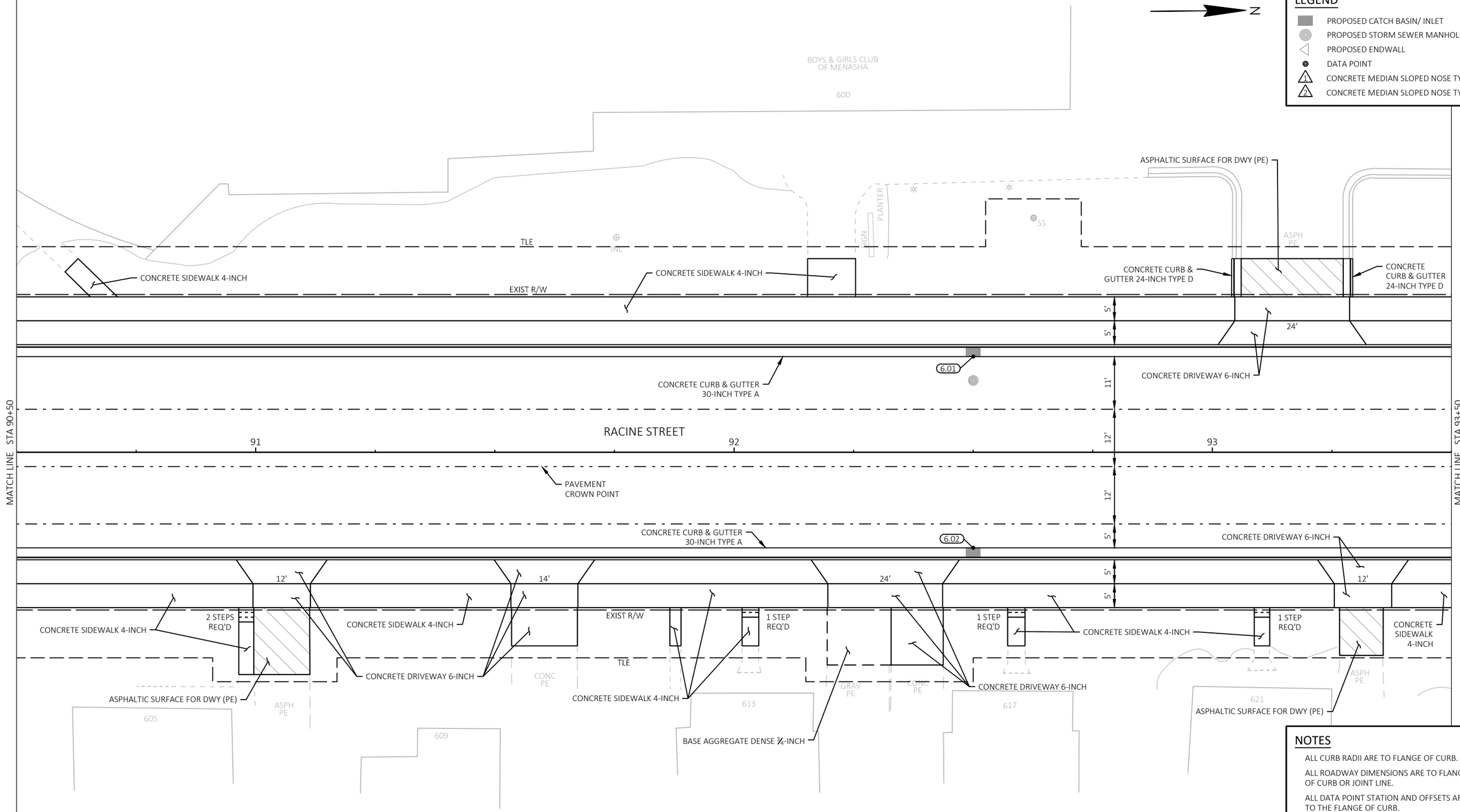
WISDOT/CADDS SHEET 42

2

N

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2



DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
6.01	RACINE	92+50.00	20.0' LT	C & G LP INLET
6.02	RACINE	92+50.00	20.0' RT	C & G LP INLET

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

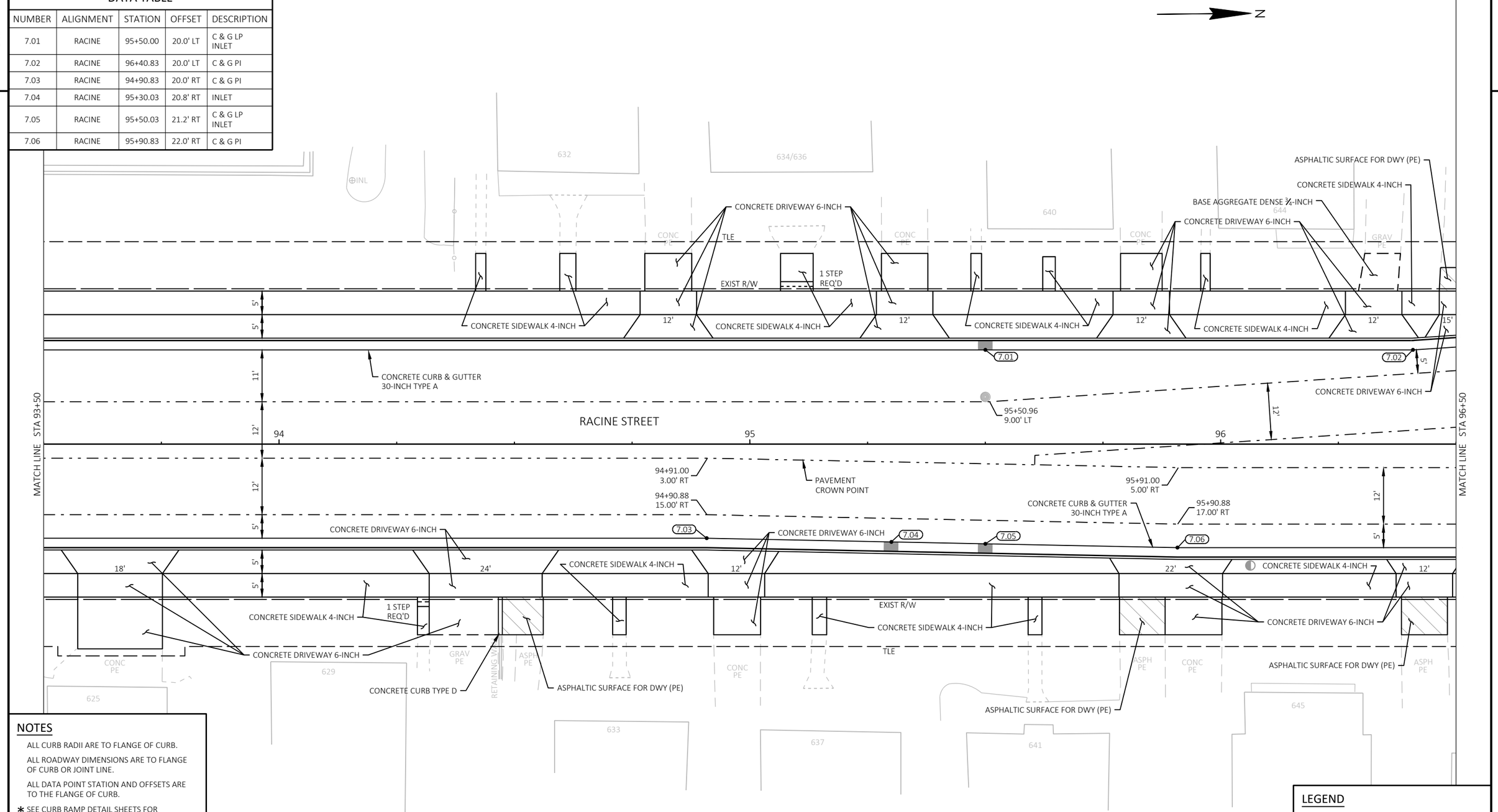
ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 19	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-06
PLOT DATE : 7/31/2024 8:54 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
7.01	RACINE	95+50.00	20.0' LT	C & G LP INLET
7.02	RACINE	96+40.83	20.0' LT	C & G PI
7.03	RACINE	94+90.83	20.0' RT	C & G PI
7.04	RACINE	95+30.03	20.8' RT	INLET
7.05	RACINE	95+50.03	21.2' RT	C & G LP INLET
7.06	RACINE	95+90.83	22.0' RT	C & G PI



NOTES

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ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 20	E

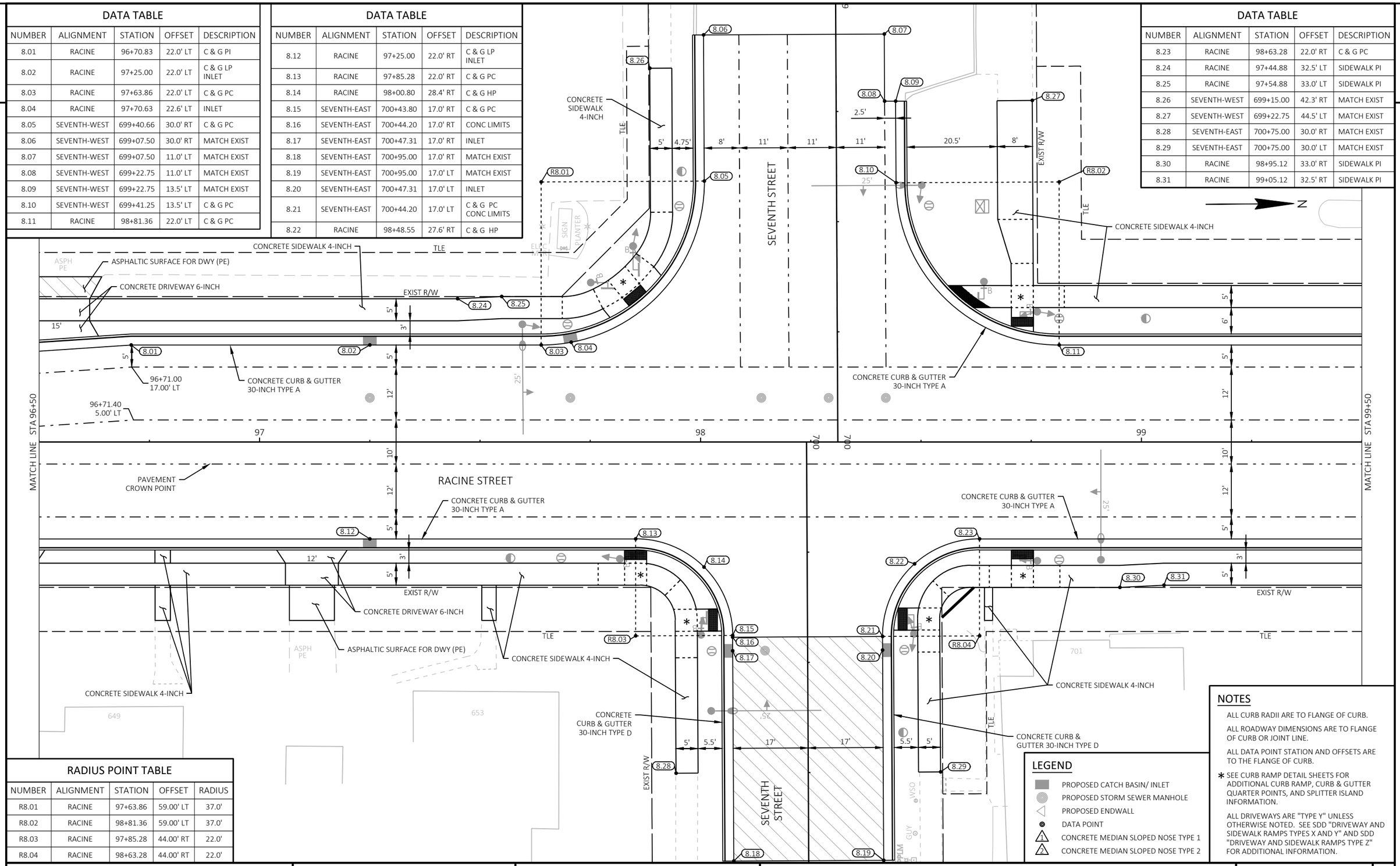
2

DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
8.01	RACINE	96+70.83	22.0' LT	C & G PI
8.02	RACINE	97+25.00	22.0' LT	C & G LP INLET
8.03	RACINE	97+63.86	22.0' LT	C & G PC
8.04	RACINE	97+70.63	22.6' LT	INLET
8.05	SEVENTH-WEST	699+40.66	30.0' RT	C & G PC
8.06	SEVENTH-WEST	699+07.50	30.0' RT	MATCH EXIST
8.07	SEVENTH-WEST	699+07.50	11.0' LT	MATCH EXIST
8.08	SEVENTH-WEST	699+22.75	11.0' LT	MATCH EXIST
8.09	SEVENTH-WEST	699+22.75	13.5' LT	MATCH EXIST
8.10	SEVENTH-WEST	699+41.25	13.5' LT	C & G PC
8.11	RACINE	98+81.36	22.0' LT	C & G PC

DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
8.12	RACINE	97+25.00	22.0' RT	C & G LP INLET
8.13	RACINE	97+85.28	22.0' RT	C & G PC
8.14	RACINE	98+00.80	28.4' RT	C & G HP
8.15	SEVENTH-EAST	700+43.80	17.0' RT	C & G PC
8.16	SEVENTH-EAST	700+44.20	17.0' RT	CONC LIMITS
8.17	SEVENTH-EAST	700+47.31	17.0' RT	INLET
8.18	SEVENTH-EAST	700+95.00	17.0' RT	MATCH EXIST
8.19	SEVENTH-EAST	700+95.00	17.0' LT	MATCH EXIST
8.20	SEVENTH-EAST	700+47.31	17.0' LT	INLET
8.21	SEVENTH-EAST	700+44.20	17.0' LT	C & G PC CONC LIMITS
8.22	RACINE	98+48.55	27.6' RT	C & G HP

DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
8.23	RACINE	98+63.28	22.0' RT	C & G PC
8.24	RACINE	97+44.88	32.5' LT	SIDEWALK PI
8.25	RACINE	97+54.88	33.0' LT	SIDEWALK PI
8.26	SEVENTH-WEST	699+15.00	42.3' RT	MATCH EXIST
8.27	SEVENTH-WEST	699+22.75	44.5' LT	MATCH EXIST
8.28	SEVENTH-EAST	700+75.00	30.0' RT	MATCH EXIST
8.29	SEVENTH-EAST	700+75.00	30.0' LT	MATCH EXIST
8.30	RACINE	98+95.12	33.0' RT	SIDEWALK PI
8.31	RACINE	99+05.12	32.5' RT	SIDEWALK PI

2



RADIUS POINT TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R8.01	RACINE	97+63.86	59.00' LT	37.0'
R8.02	RACINE	98+81.36	59.00' LT	37.0'
R8.03	RACINE	97+85.28	44.00' RT	22.0'
R8.04	RACINE	98+63.28	44.00' RT	22.0'

NOTES

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ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 21	E

2

DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
9.01	RACINE	99+81.57	22.0' LT	C & G PI
9.02	RACINE	99+99.90	20.8' LT	C & G LP INLET
9.03	RACINE	100+11.57	20.0' LT	C & G PI
9.04	RACINE	100+16.59	20.0' LT	INLET
9.05	RACINE	99+81.14	22.0' RT	C & G PI
9.06	RACINE	99+84.98	21.9' RT	INLET

DATA TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
9.07	RACINE	99+99.98	21.7' RT	C & G LP INLET
9.08	RACINE	100+09.97	21.5' RT	INLET
9.09	RACINE	101+01.14	20.0' RT	C & G PI
9.10	RACINE	99+82.02	35.5' LT	SIDEWALK PI
9.11	RACINE	100+27.02	32.5' LT	SIDEWALK PI

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

N

420 SEVENTH ST

PLANTER

TLE

BENCH

EXIST R/W

9.10 9.11 9.01 9.02 9.03 9.04 9.05 9.06 9.07 9.08 9.09

CONCRETE SIDEWALK 4-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

99+81.40 17.00' LT

99+81.00 5.00' LT

101+01.42 9.00' LT

MATCH LINE STA 99+50

100 101 102

MATCH LINE STA 102+50

99+81.00 5.00' RT

RACINE STREET

101+01.00 3.00' RT

PAVEMENT CROWN POINT

99+81.10 17.00' RT

101+01.10 15.00' RT

CONCRETE CURB & GUTTER 30-INCH TYPE A

1 STEP REQ'D

CONCRETE DRIVEWAY 6-INCH

CONCRETE SIDEWALK 4-INCH

EXIST R/W

TLE

ASPHALTIC SURFACE FOR DWY (PE)

BASE AGGREGATE DENSE ¾-INCH

ASPH PE

CONC PE

GRAV PE

713 709 717 723

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 22	E

2

2

N

NOTES

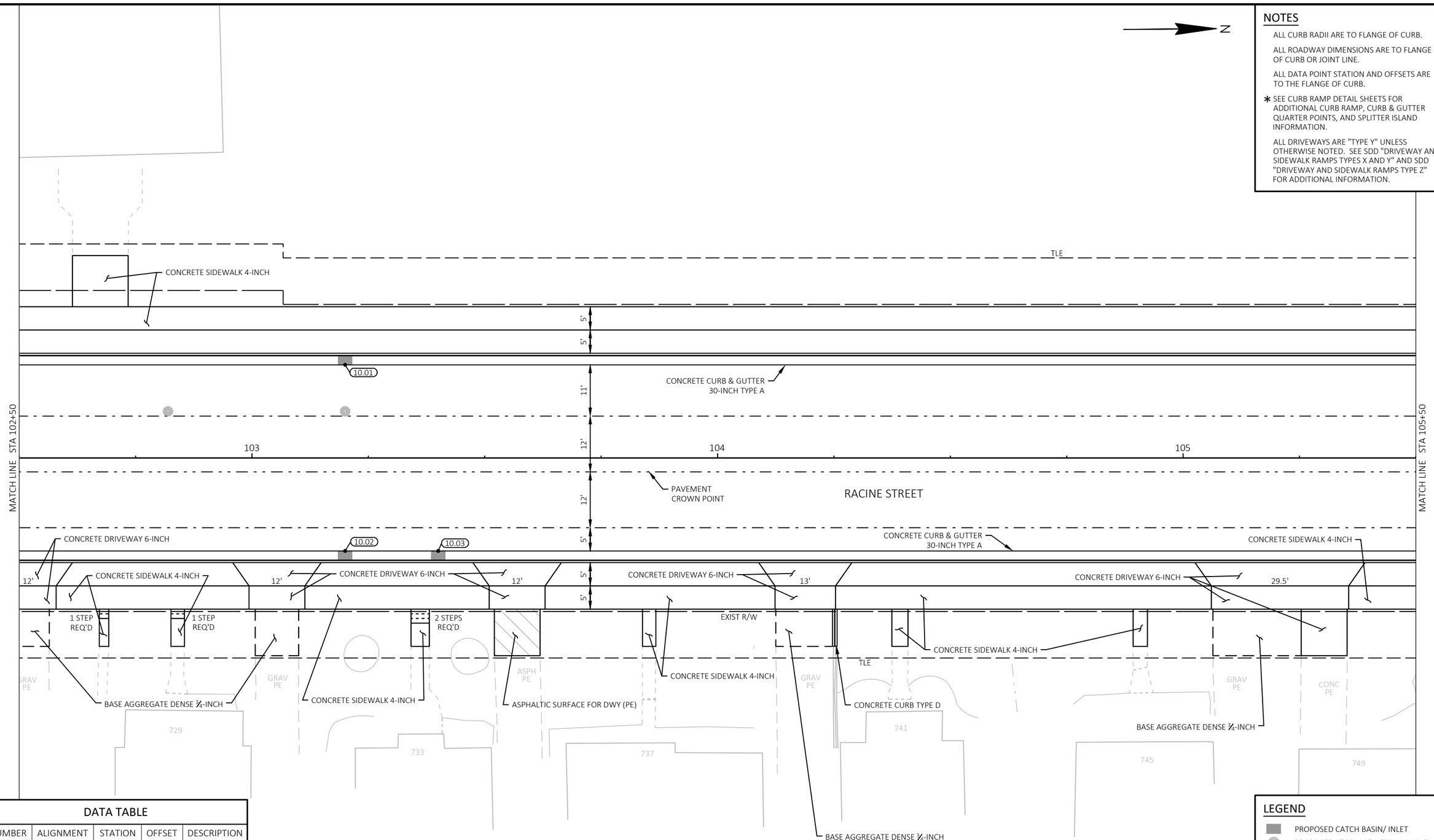
ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.



DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
10.01	RACINE	103+20.00	20.0' LT	C & G LP INLET
10.02	RACINE	103+20.00	20.0' RT	C & G LP INLET
10.03	RACINE	103+40.00	20.0' RT	I NLET

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 23	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-10

PLOT DATE : 7/31/2024 8:56 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

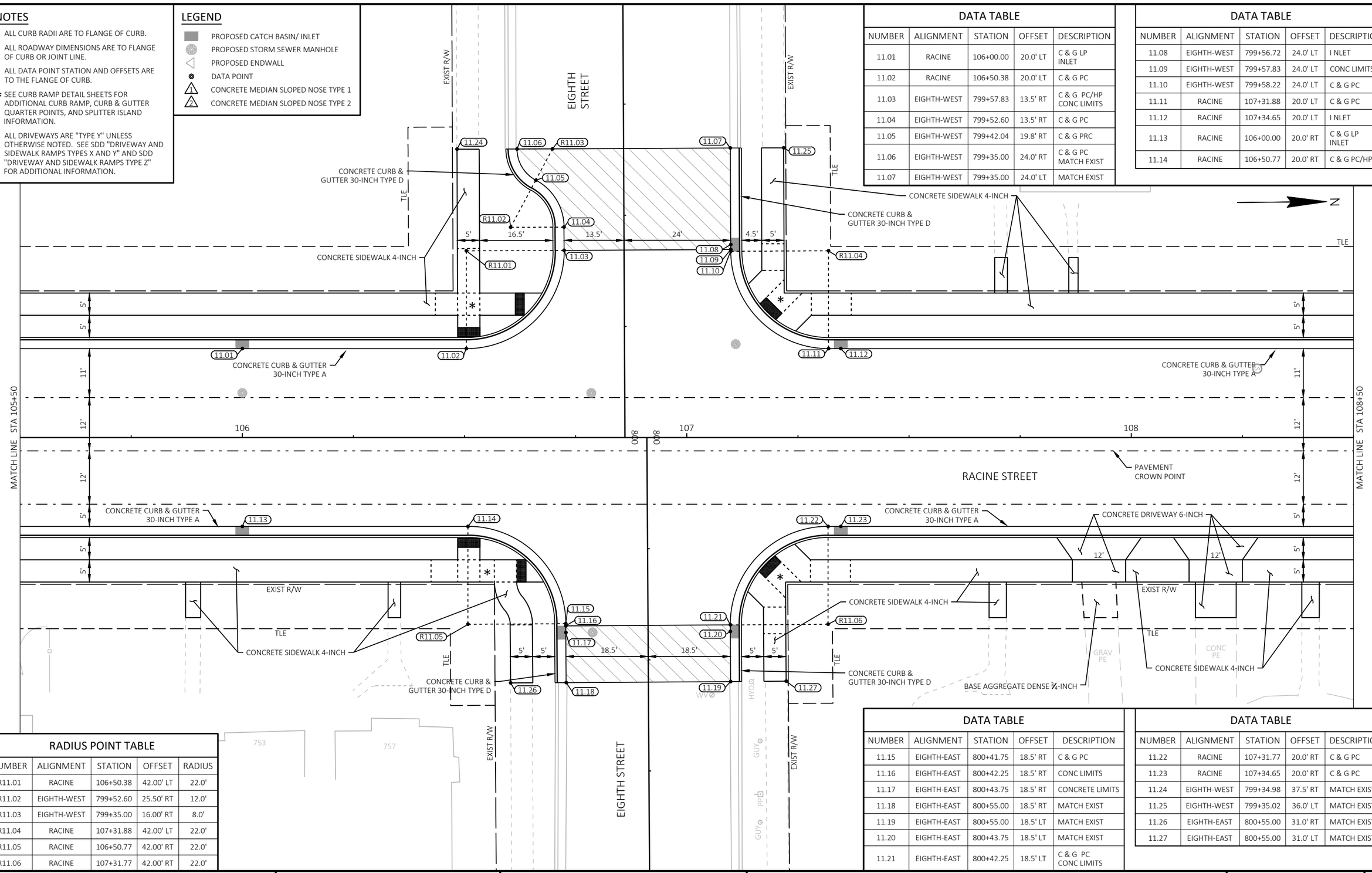
ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2



DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
11.01	RACINE	106+00.00	20.0' LT	C & G LP INLET
11.02	RACINE	106+50.38	20.0' LT	C & G PC
11.03	EIGHTH-WEST	799+57.83	13.5' RT	C & G PC/HP CONC LIMITS
11.04	EIGHTH-WEST	799+52.60	13.5' RT	C & G PC
11.05	EIGHTH-WEST	799+42.04	19.8' RT	C & G PRC
11.06	EIGHTH-WEST	799+35.00	24.0' RT	C & G PC MATCH EXIST
11.07	EIGHTH-WEST	799+35.00	24.0' LT	MATCH EXIST

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
11.08	EIGHTH-WEST	799+56.72	24.0' LT	I NLET
11.09	EIGHTH-WEST	799+57.83	24.0' LT	CONC LIMITS
11.10	EIGHTH-WEST	799+58.22	24.0' LT	C & G PC
11.11	RACINE	107+31.88	20.0' LT	C & G PC
11.12	RACINE	107+34.65	20.0' LT	I NLET
11.13	RACINE	106+00.00	20.0' RT	C & G LP INLET
11.14	RACINE	106+50.77	20.0' RT	C & G PC/HP

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R11.01	RACINE	106+50.38	42.00' LT	22.0'
R11.02	EIGHTH-WEST	799+52.60	25.50' RT	12.0'
R11.03	EIGHTH-WEST	799+35.00	16.00' RT	8.0'
R11.04	RACINE	107+31.88	42.00' LT	22.0'
R11.05	RACINE	106+50.77	42.00' RT	22.0'
R11.06	RACINE	107+31.77	42.00' RT	22.0'

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
11.15	EIGHTH-EAST	800+41.75	18.5' RT	C & G PC
11.16	EIGHTH-EAST	800+42.25	18.5' RT	CONC LIMITS
11.17	EIGHTH-EAST	800+43.75	18.5' RT	CONCRETE LIMITS
11.18	EIGHTH-EAST	800+55.00	18.5' RT	MATCH EXIST
11.19	EIGHTH-EAST	800+55.00	18.5' LT	MATCH EXIST
11.20	EIGHTH-EAST	800+43.75	18.5' LT	MATCH EXIST
11.21	EIGHTH-EAST	800+42.25	18.5' LT	C & G PC CONC LIMITS

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
11.22	RACINE	107+31.77	20.0' RT	C & G PC
11.23	RACINE	107+34.65	20.0' RT	C & G PC
11.24	EIGHTH-WEST	799+34.98	37.5' RT	MATCH EXIST
11.25	EIGHTH-WEST	799+35.02	36.0' LT	MATCH EXIST
11.26	EIGHTH-EAST	800+55.00	31.0' RT	MATCH EXIST
11.27	EIGHTH-EAST	800+55.00	31.0' LT	MATCH EXIST

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 24	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-11
PLOT DATE : 7/31/2024 8:56 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

2

N

LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

MATCH LINE STA 108+50

MATCH LINE STA 111+50

ASPHALTIC SURFACE FOR DWY (PE)

CONCRETE SIDEWALK 4-INCH

BASE AGGREGATE DENSE ¾-INCH

CONCRETE DRIVEWAY 6-INCH

CONCRETE SIDEWALK 4-INCH

1 STEP REQ'D

1 STEP REQ'D

1 STEP REQ'D

1 STEP REQ'D

812

818

822

826

ASPH PE

GRAV PE

CONC PE

CONC PE

TLE

12'

5'

5'

12'

12.5'

12'

CONCRETE DRIVEWAY 6-INCH

CONCRETE SIDEWALK 4-INCH

CONCRETE DRIVEWAY 6-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE A

11'

109

110

111

12'

RACINE STREET

PAVEMENT CROWN POINT

CONCRETE CURB & GUTTER 30-INCH TYPE A

5'

5'

5'

12'

16'

34.5'

12'

CONCRETE DRIVEWAY 6-INCH

CONCRETE SIDEWALK 4-INCH

CONCRETE DRIVEWAY 6-INCH

1 STEP REQ'D

CONCRETE SIDEWALK 4-INCH

EXIST R/W

CONCRETE SIDEWALK 4-INCH

CONCRETE SIDEWALK 4-INCH

ASPH PE

CONC PE

TLE

CONC PE

GRAV PE

POST

POST

ASPHALTIC SURFACE FOR DWY (PE)

CONCRETE DRIVEWAY 6-INCH

BASE AGGREGATE DENSE ¾-INCH

813

819

823

827

GARAGE

817

NOTES

ALL CURB RADII ARE TO FLANGE OF CURB.

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

ALL DATA POINT STATION AND OFFSETS ARE TO THE FLANGE OF CURB.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, CURB & GUTTER QUARTER POINTS, AND SPLITTER ISLAND INFORMATION.

ALL DRIVEWAYS ARE "TYPE Y" UNLESS OTHERWISE NOTED. SEE SDD "DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y" AND SDD "DRIVEWAY AND SIDEWALK RAMPS TYPE Z" FOR ADDITIONAL INFORMATION.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 25	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-12

PLOT DATE : 7/31/2024 8:56 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

N

NOTES

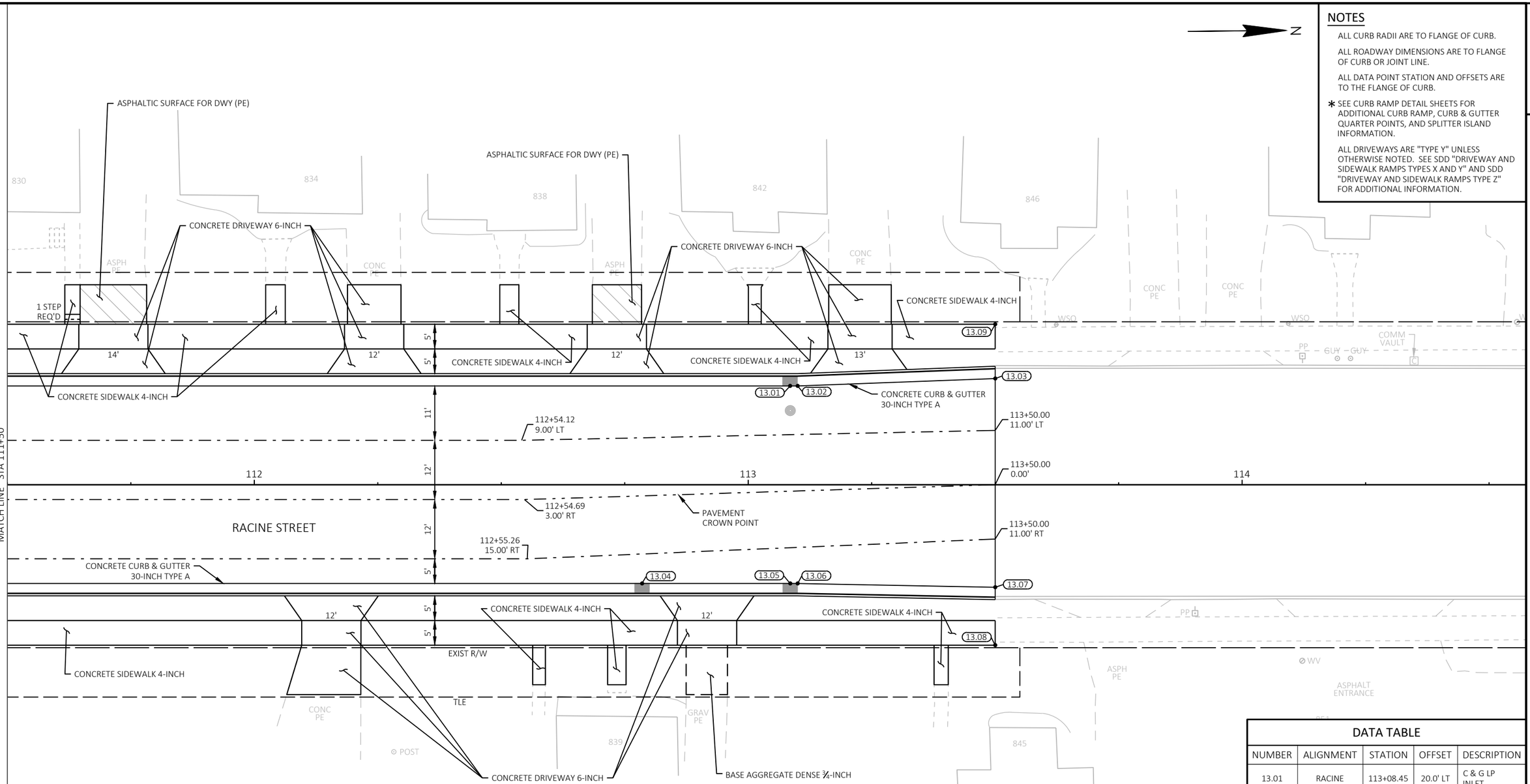
ALL CURB RADII ARE TO FLANGE OF CURB.

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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

DATA TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	DESCRIPTION
13.01	RACINE	113+08.45	20.0' LT	C & G LP INLET
13.02	RACINE	113+10.00	20.0' LT	C & G PI
13.03	RACINE	113+50.00	21.5' LT	C & G PI MATCH EXIST
13.04	RACINE	112+78.48	20.0' RT	INLET
13.05	RACINE	113+08.48	20.0' RT	C & G LP INLET
13.06	RACINE	113+10.00	20.0' RT	C & G PI
13.07	RACINE	113+50.00	20.7' RT	C & G PI MATCH EXIST
13.08	RACINE	113+50.00	32.5' RT	MATCH EXIST
13.09	RACINE	113+50.00	32.5' LT	MATCH EXIST

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN DETAILS	SHEET 26	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021201-PD.DWG
LAYOUT NAME - Sheet-13
PLOT DATE : 7/31/2024 8:57 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

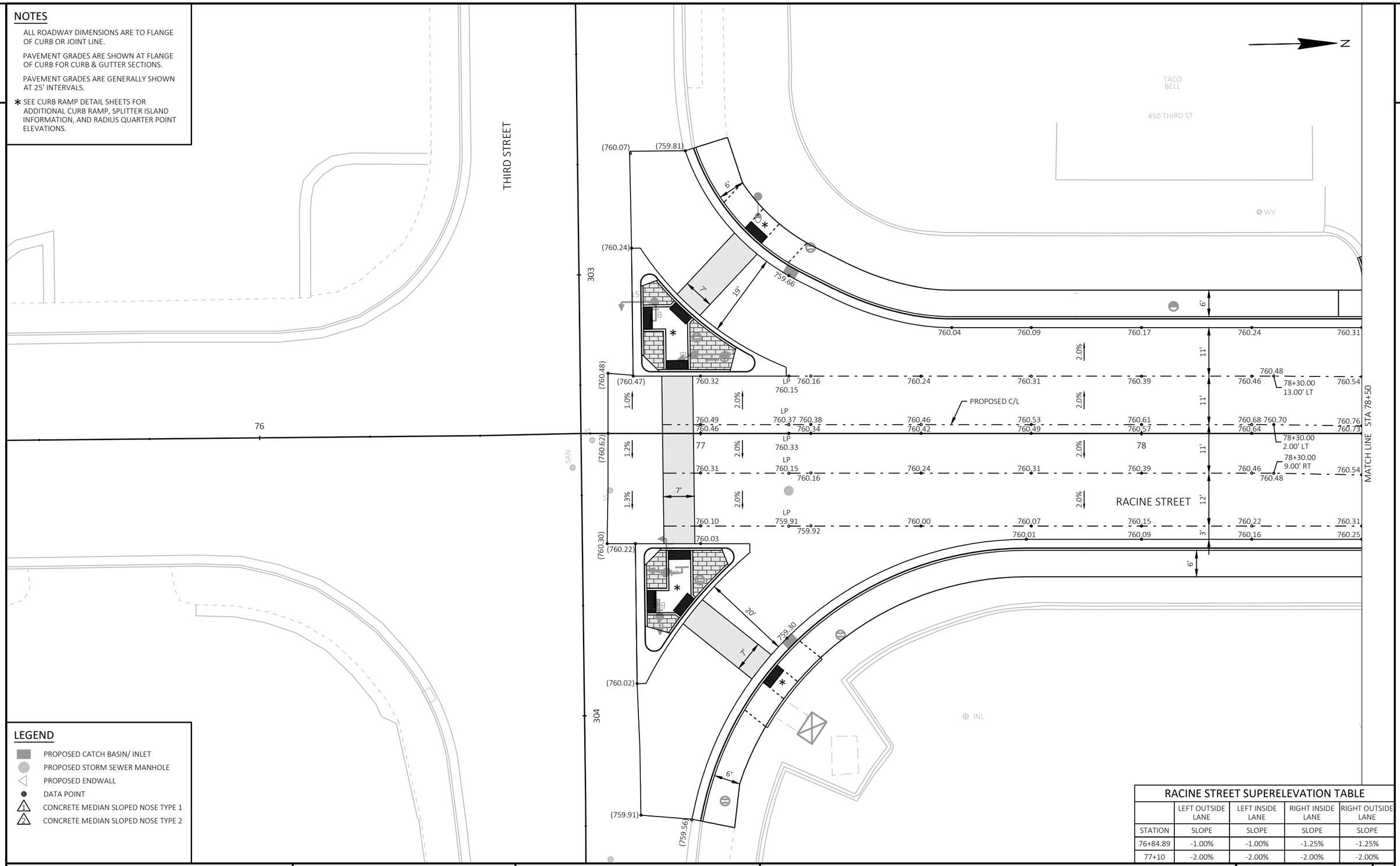
NOTES

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

PAVEMENT GRADES ARE SHOWN AT FLANGE OF CURB FOR CURB & GUTTER SECTIONS.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, SPLITTER ISLAND INFORMATION, AND RADIUS QUARTER POINT ELEVATIONS.



LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

RACINE STREET SUPERELEVATION TABLE

	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE
STATION	SLOPE	SLOPE	SLOPE	SLOPE
76+84.89	-1.00%	-1.00%	-1.25%	-1.25%
77+10	-2.00%	-2.00%	-2.00%	-2.00%

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 27	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 8:57 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

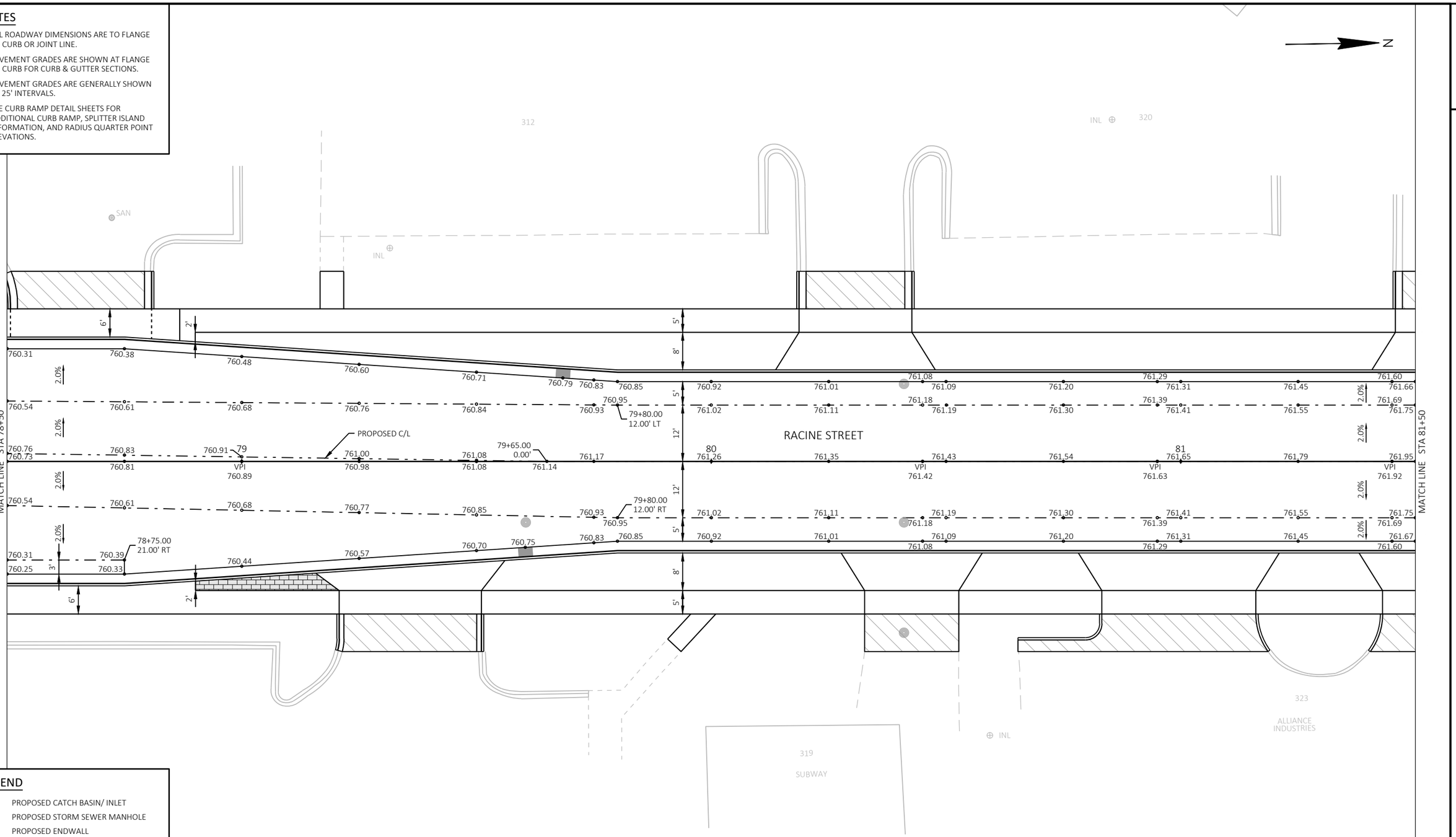
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

RACINE STREET SUPERELEVATION TABLE

	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE
STATION	SLOPE	SLOPE	SLOPE	SLOPE
81+42	-2.00%	-2.00%	-2.00%	-2.00%

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 28	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 7/31/2024 8:58 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

RACINE STREET SUPERELEVATION TABLE

	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE
STATION	SLOPE	SLOPE	SLOPE	SLOPE
81+92	-0.10%	-0.10%	0.10%	0.10%
82+22	-0.10%	-0.10%	0.10%	0.10%
82+72	-2.00%	-2.00%	-2.00%	-2.00%
83+00	-2.00%	-2.00%	-2.00%	-2.00%
83+50	-2.00%	-2.00%	-3.00%	-3.00%

NOTES

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N

WISCONSIN CENTRAL LTD.

SAN

SS

400

404

403 TRADER INVESTMENTS LLC

MATCH LINE STA 81+50

MATCH LINE STA 84+50

761.66 761.92 761.98 762.15 762.28 762.01 761.93 761.58 761.50 761.13 760.84 760.65 760.25 760.12 760.05 759.97 759.82 759.80 759.74 759.67

761.75 761.97 762.02 762.06 761.99 761.67 761.60 761.27 761.23 760.98 760.80 760.44 760.33 760.27 760.19 760.04 760.02 759.96 759.89

82+97.73 12.00' LT

83+65.71 9.00' LT

761.95 762.08 762.11 VPI 762.24 762.36 VPI 762.36 762.18 762.12 VPI 761.90 761.84 82+97.47 0.00' 761.52 83 761.47 VPI 761.22 761.20 761.04 761.02 760.87 760.64 760.68 VPI 760.57 760.51 760.51 760.43 760.37 84 VPI 760.28 760.26 760.22 760.20 760.14 760.07 760.13

1000 HP 762.36 VPI 762.33

82+97.20 12.00' RT

761.28 761.23 760.94 760.74 760.58 760.32 760.21 760.15 760.07 759.92 759.90 759.84 759.77

83+65.45 3.00' RT

83+65.18 15.00' RT

761.67 761.94 762.01 762.18 762.30 762.03 761.94 761.58 761.50 761.17 760.82 760.62 760.44 760.17 760.00 759.92 759.77 759.75 759.69 759.62

760.90 760.58 760.40 760.32 760.27 760.24 760.37 760.35 760.37 760.03 759.97 759.96

400

RACINE STREET

PROPOSED C/L

FOURTH STREET

WISCONSIN CENTRAL LTD.

WISCONSIN CENTRAL LTD.

GV

5' 8' 5' 12' 12' 12' 11' 12' 12' 5' 8' 5' 5' 5

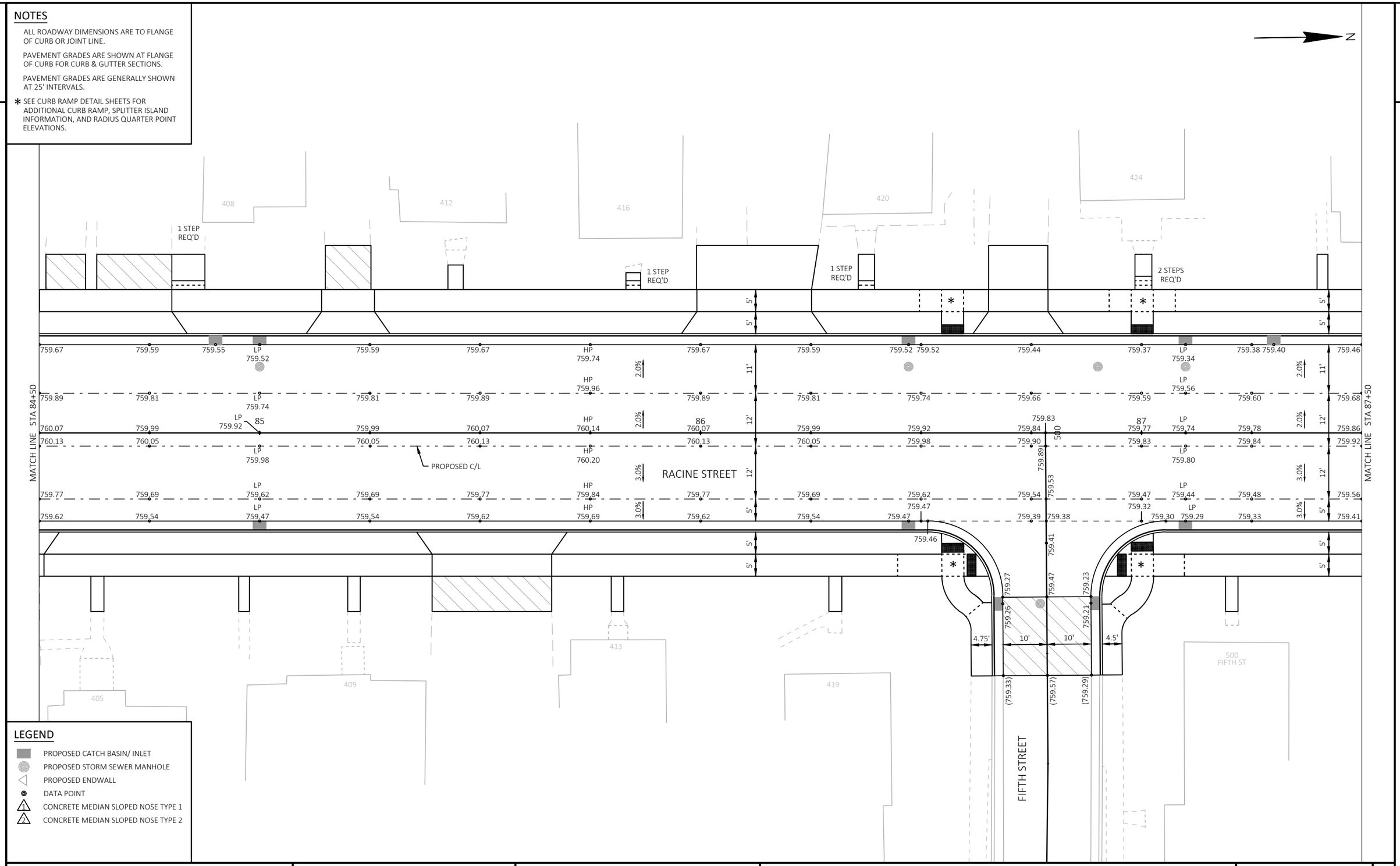
NOTES

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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 30	E

2

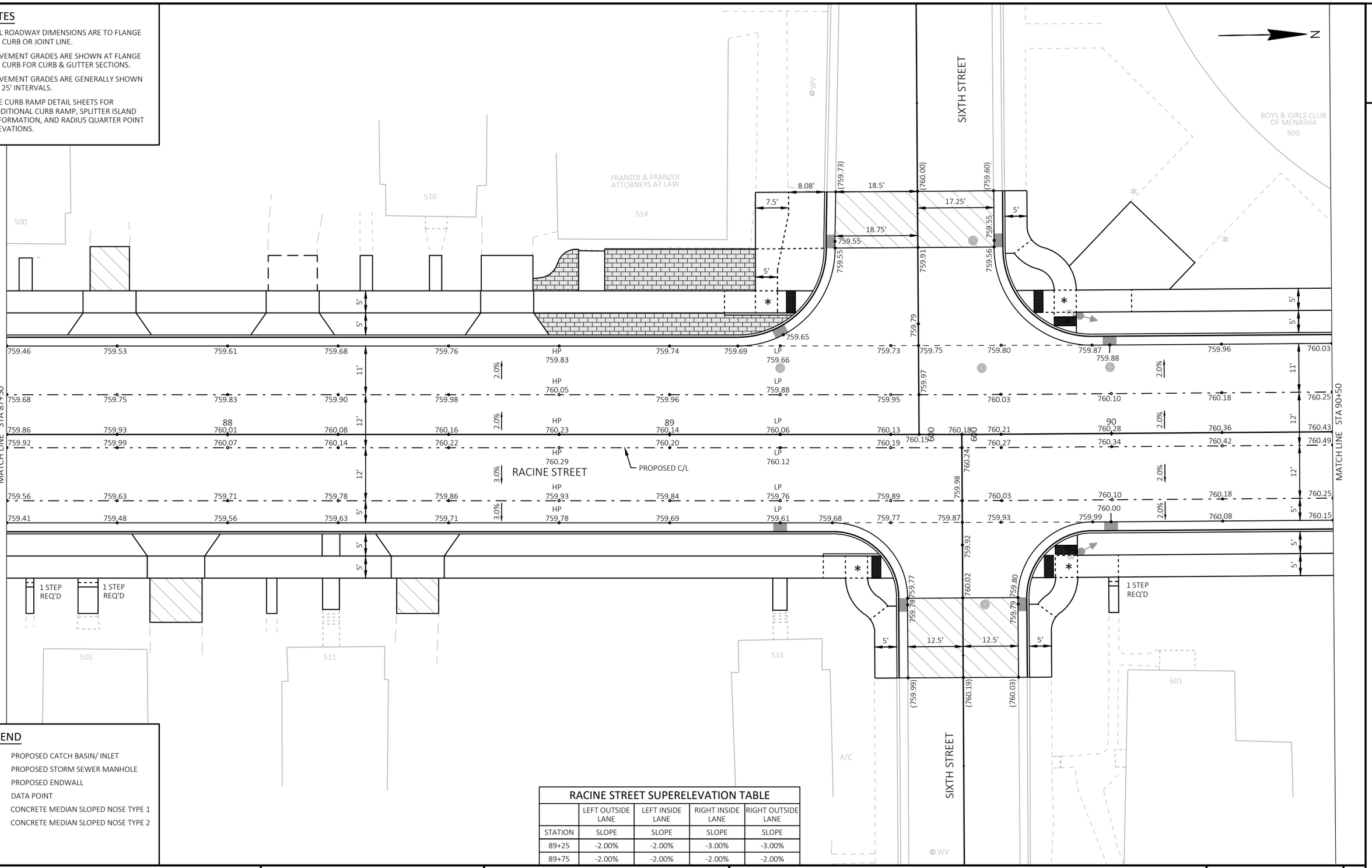
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

RACINE STREET SUPERELEVATION TABLE

	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE
STATION	SLOPE	SLOPE	SLOPE	SLOPE
89+25	-2.00%	-2.00%	-3.00%	-3.00%
89+75	-2.00%	-2.00%	-2.00%	-2.00%

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 31	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-05
PLOT DATE : 7/31/2024 8:59 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

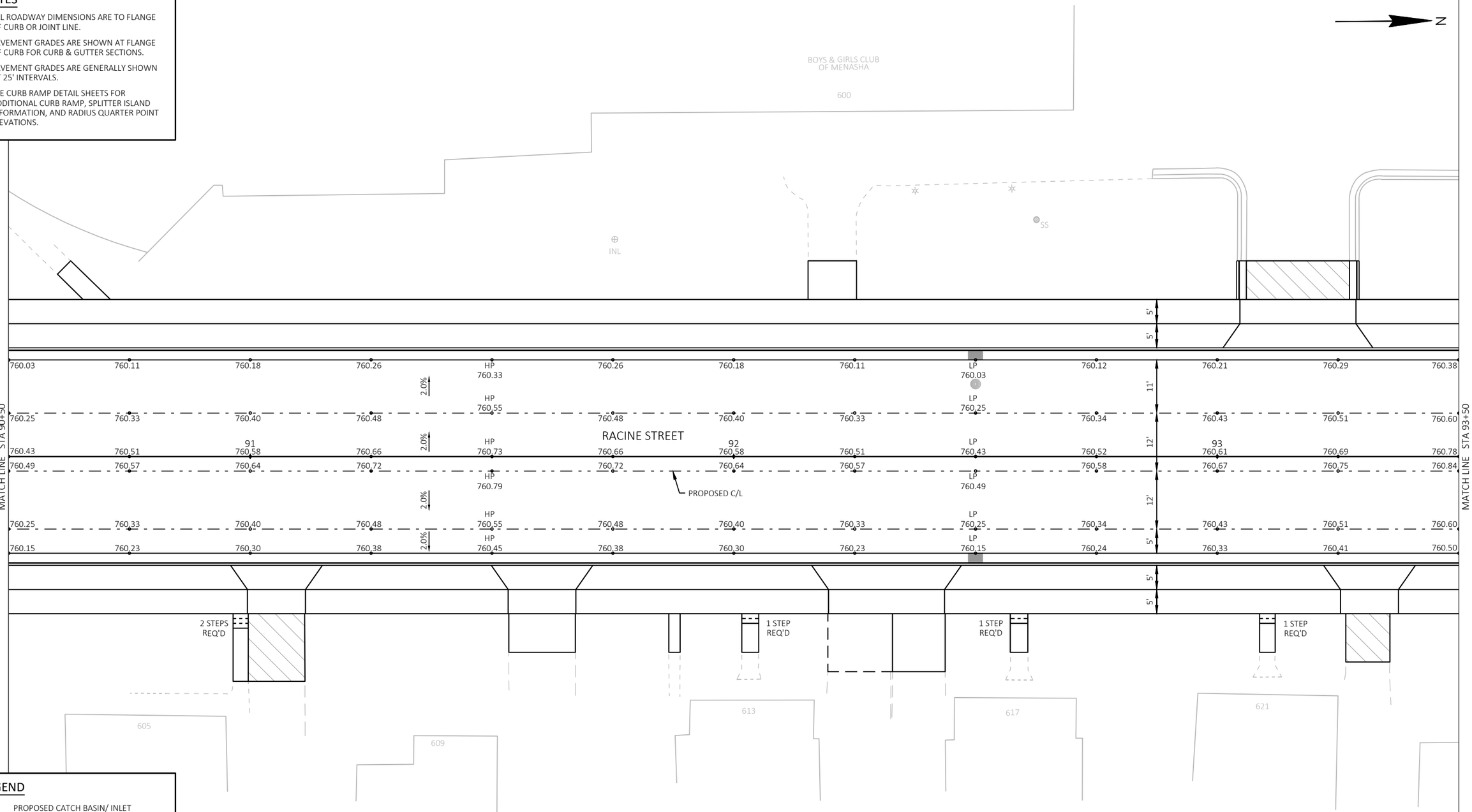
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 32	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-06

PLOT DATE : 7/31/2024 9:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

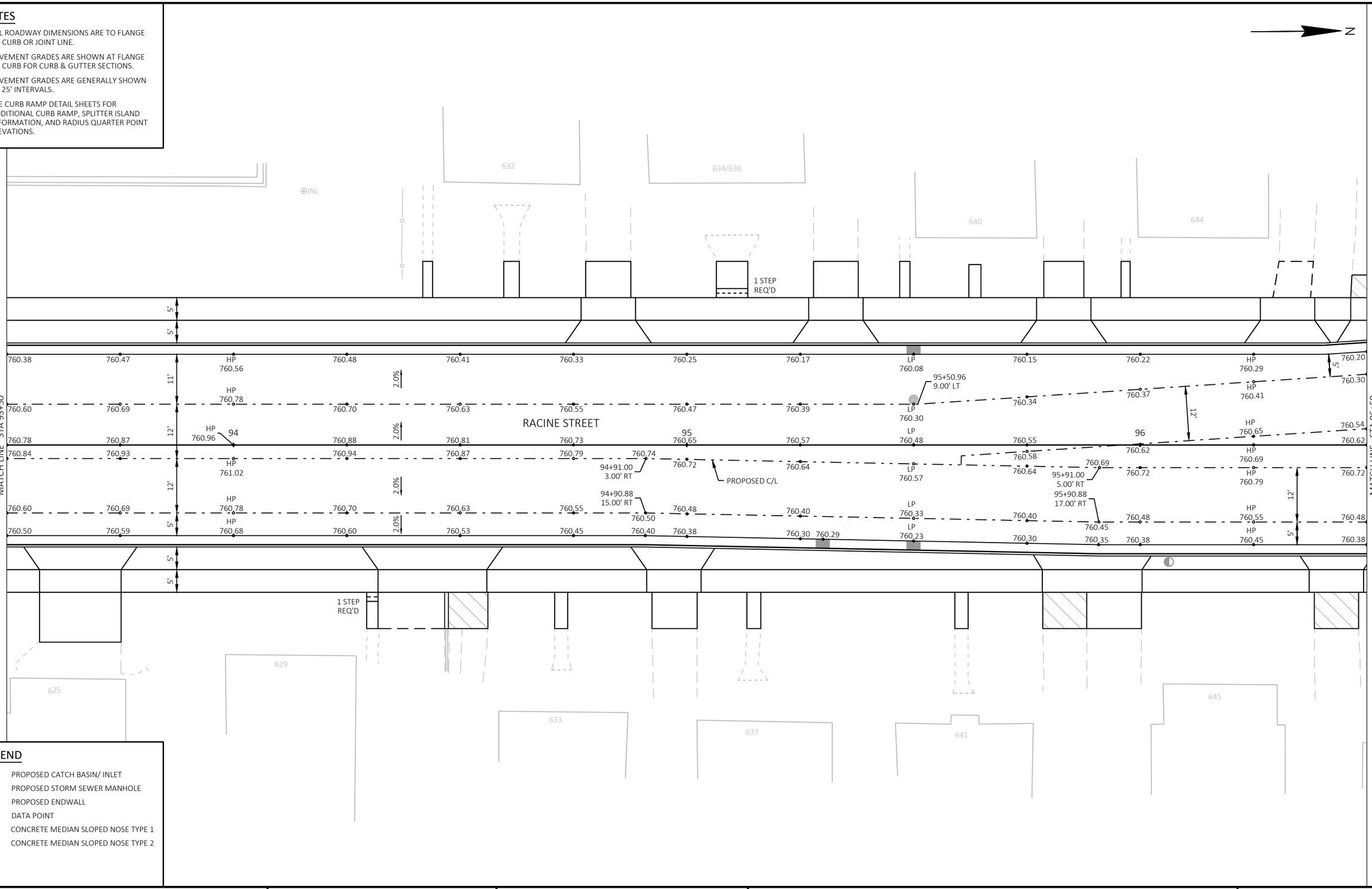
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 33	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-07

PLOT DATE : 7/31/2024 9:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

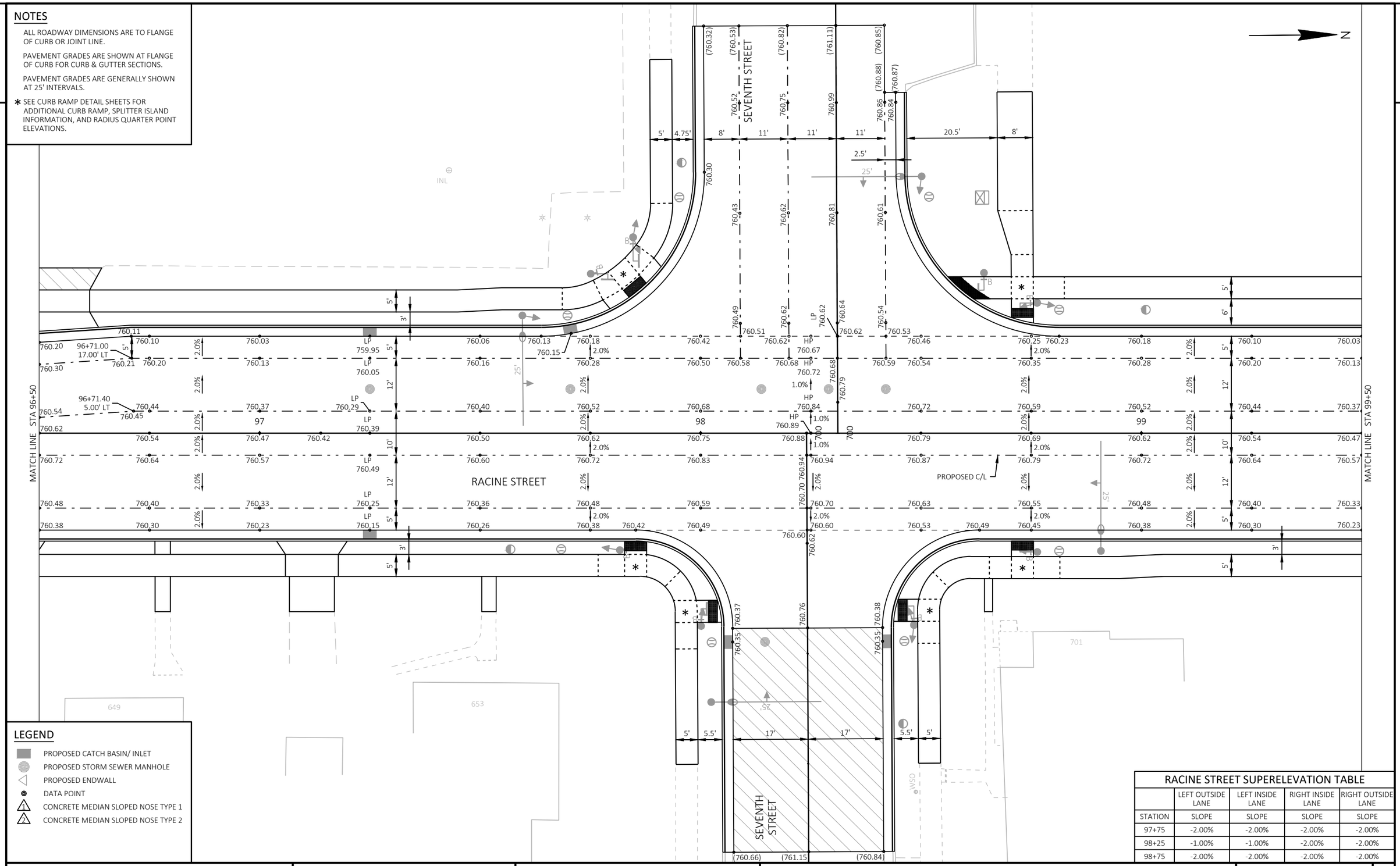
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

RACINE STREET SUPERELEVATION TABLE

	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE
STATION	SLOPE	SLOPE	SLOPE	SLOPE
97+75	-2.00%	-2.00%	-2.00%	-2.00%
98+25	-1.00%	-1.00%	-2.00%	-2.00%
98+75	-2.00%	-2.00%	-2.00%	-2.00%

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 34	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-08

PLOT DATE : 7/31/2024 9:00 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

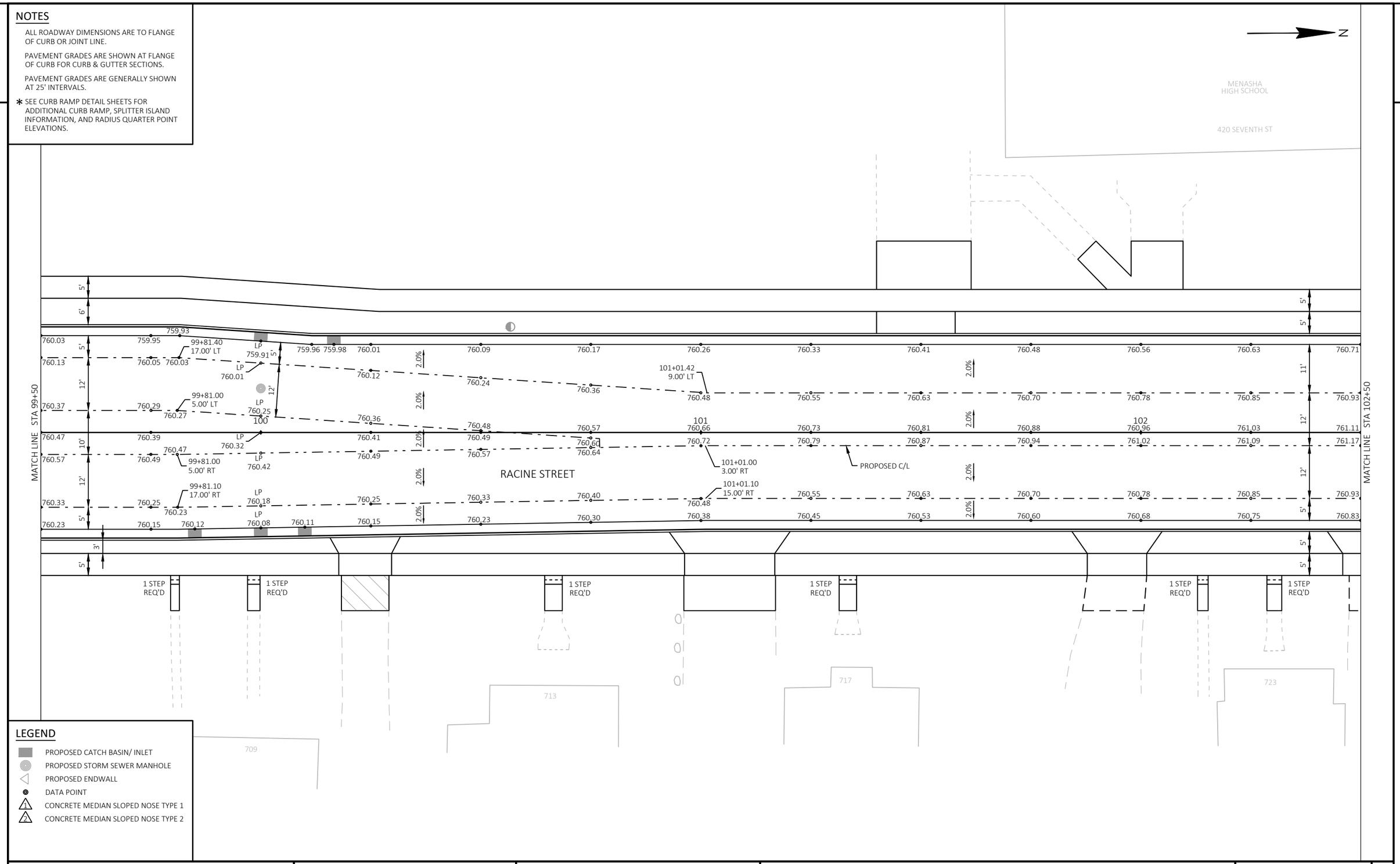
NOTES

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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 35	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-09

PLOT DATE : 7/31/2024 9:01 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

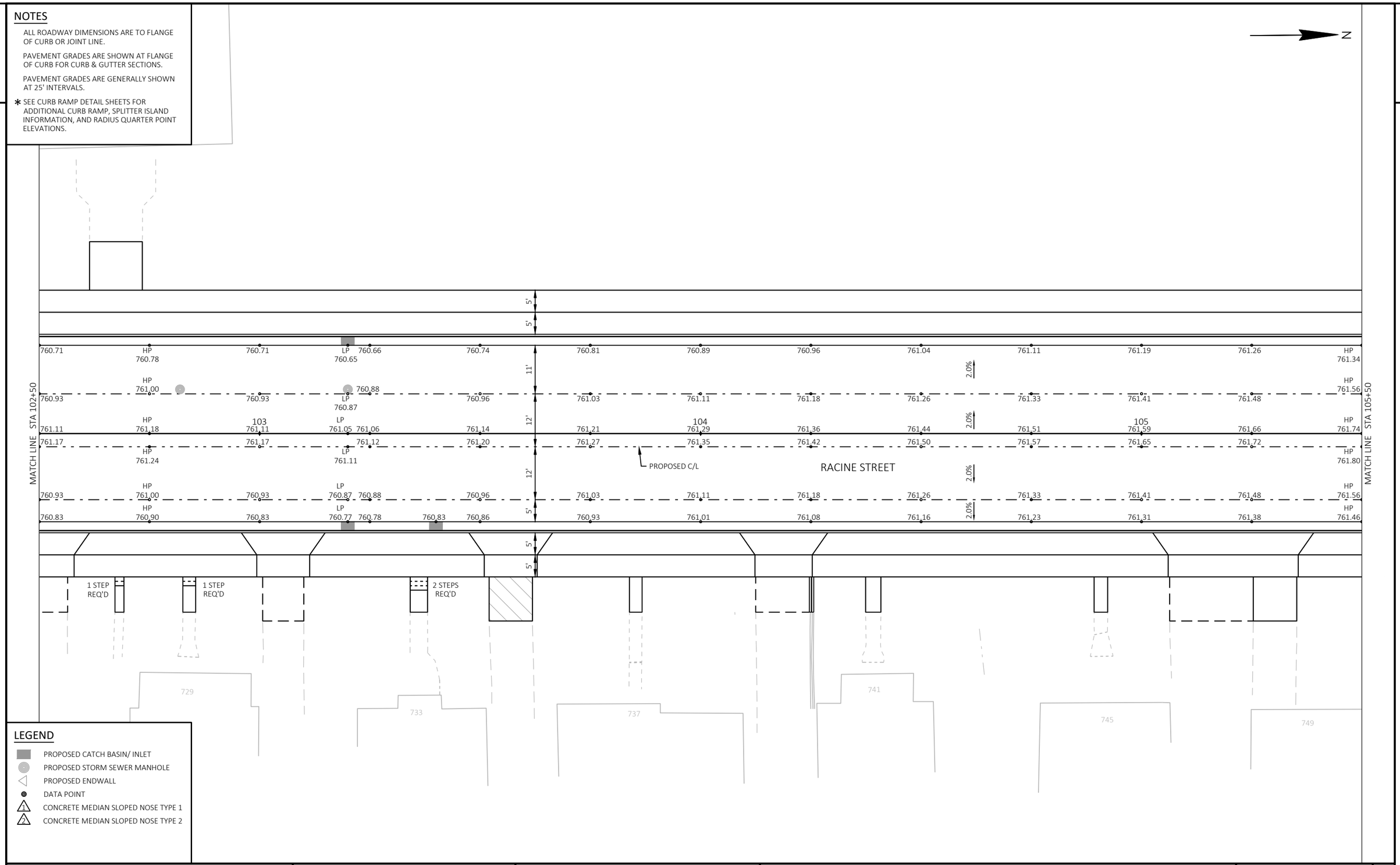
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 36	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-10

PLOT DATE : 7/31/2024 9:01 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

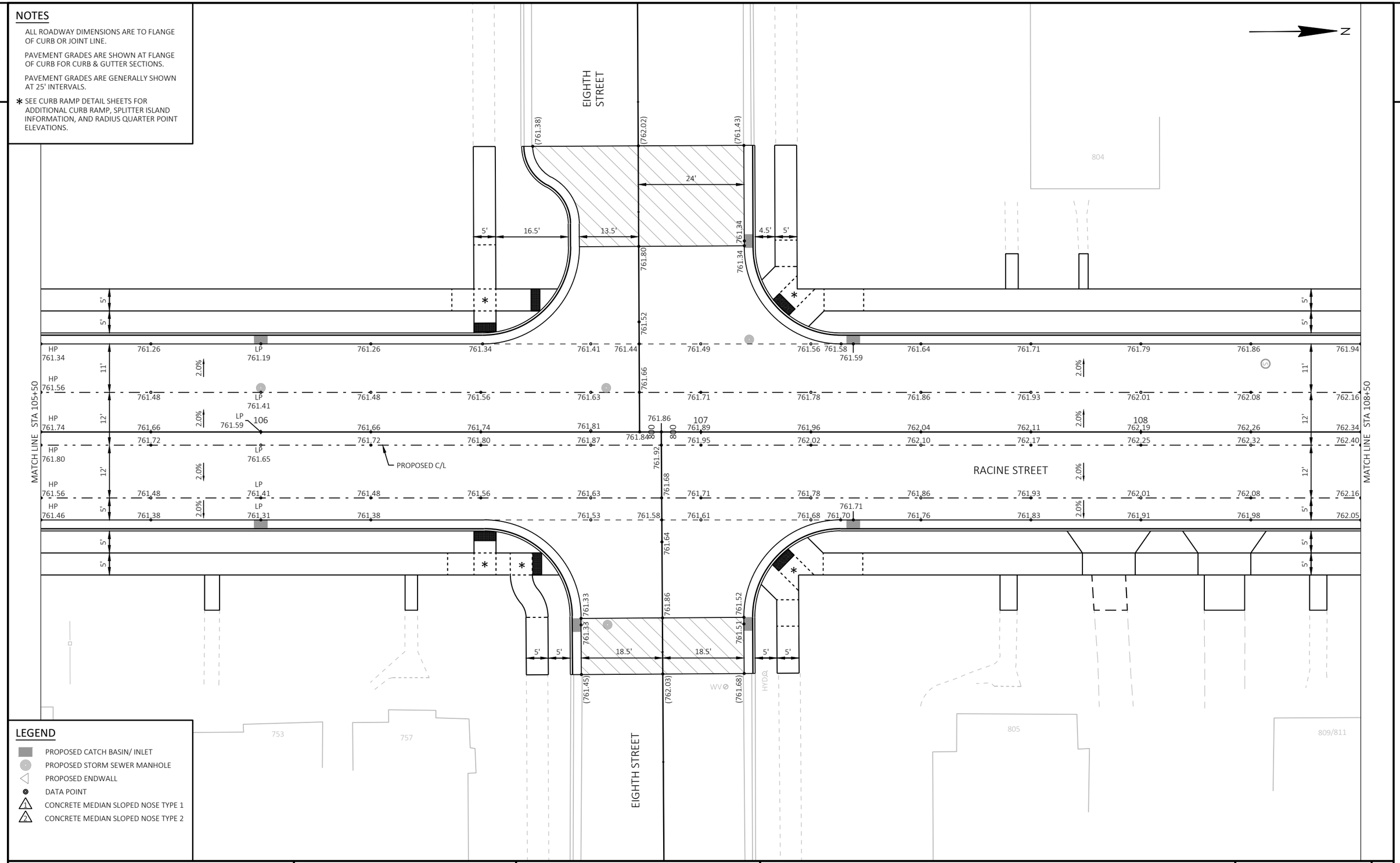
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LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 37	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-11

PLOT DATE : 7/31/2024 9:01 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

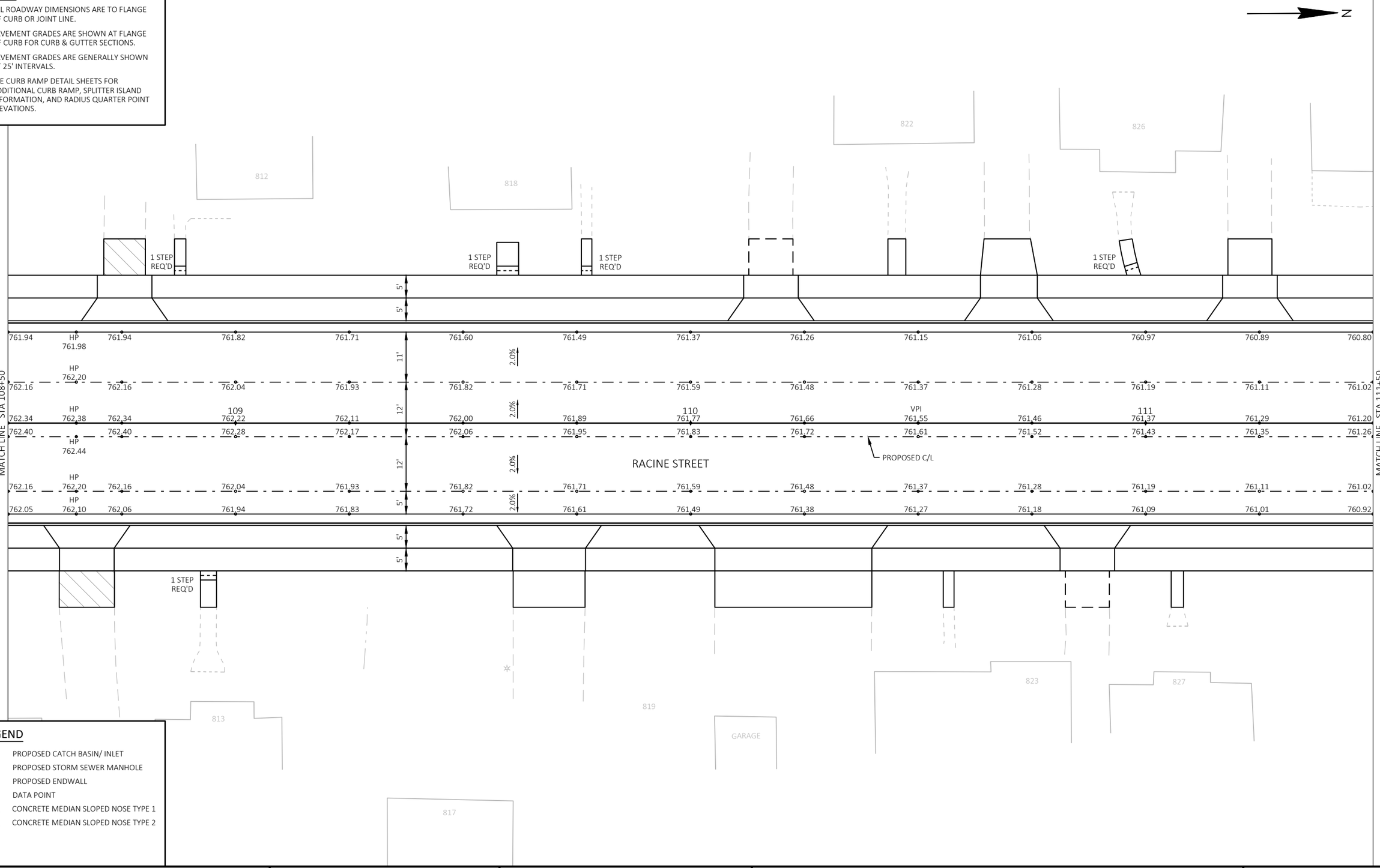
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PAVEMENT GRADES ARE SHOWN AT FLANGE OF CURB FOR CURB & GUTTER SECTIONS.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, SPLITTER ISLAND INFORMATION, AND RADIUS QUARTER POINT ELEVATIONS.



LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 38	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-12

PLOT DATE : 7/31/2024 9:01 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

2

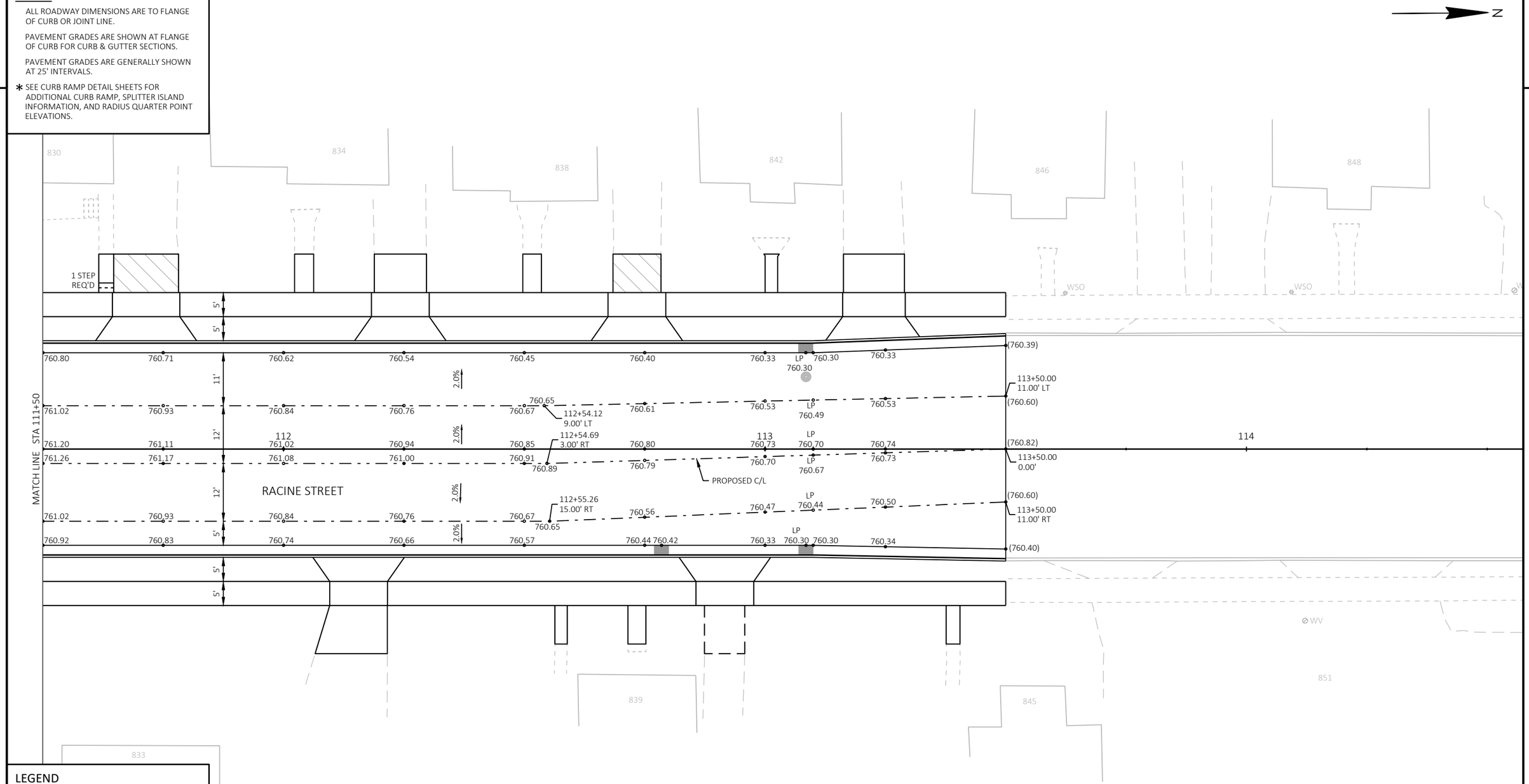
NOTES

ALL ROADWAY DIMENSIONS ARE TO FLANGE OF CURB OR JOINT LINE.

PAVEMENT GRADES ARE SHOWN AT FLANGE OF CURB FOR CURB & GUTTER SECTIONS.

PAVEMENT GRADES ARE GENERALLY SHOWN AT 25' INTERVALS.

* SEE CURB RAMP DETAIL SHEETS FOR ADDITIONAL CURB RAMP, SPLITTER ISLAND INFORMATION, AND RADIUS QUARTER POINT ELEVATIONS.



LEGEND

- PROPOSED CATCH BASIN/ INLET
- PROPOSED STORM SEWER MANHOLE
- PROPOSED ENDWALL
- DATA POINT
- 1 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- 2 CONCRETE MEDIAN SLOPED NOSE TYPE 2

RACINE STREET SUPERELEVATION TABLE

	LEFT OUTSIDE LANE	LEFT INSIDE LANE	RIGHT INSIDE LANE	RIGHT OUTSIDE LANE
STATION	SLOPE	SLOPE	SLOPE	SLOPE
89+75	-2.00%	-2.00%	-2.00%	-2.00%

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT GRADES	SHEET 39	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021211-PG.DWG
LAYOUT NAME - Sheet-13

PLOT DATE : 7/31/2024 9:02 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 42

2

CURB RAMP - 2

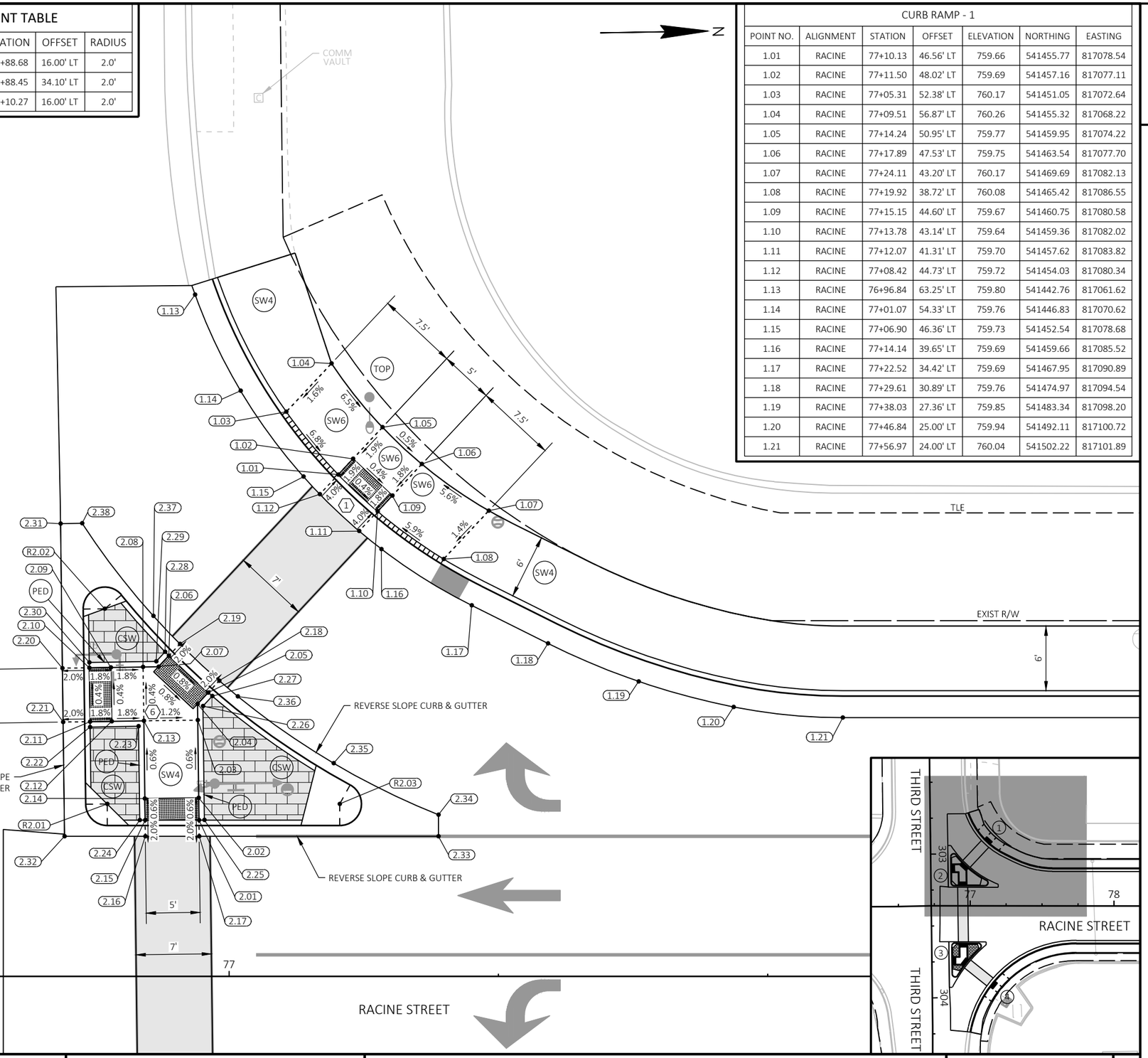
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
2.01	RACINE	76+97.20	14.50' LT	760.36	541442.30	817110.38
2.02	RACINE	76+97.18	16.56' LT	760.35	541442.31	817108.31
2.03	RACINE	76+97.08	23.77' LT	760.30	541442.34	817101.11
2.04	RACINE	76+97.07	25.27' LT	760.28	541442.34	817099.61
2.05	RACINE	76+98.06	26.33' LT	760.26	541443.35	817098.56
2.06	RACINE	76+94.41	29.75' LT	760.30	541439.76	817095.08
2.07	RACINE	76+93.45	28.73' LT	760.32	541438.79	817096.09
2.08	RACINE	76+92.01	28.71' LT	760.35	541437.35	817096.08
2.09	RACINE	76+89.02	28.66' LT	760.40	541434.36	817096.08
2.10	RACINE	76+87.02	28.63' LT	760.44	541432.36	817096.08
2.11	RACINE	76+87.09	23.63' LT	760.46	541432.34	817101.08
2.12	RACINE	76+89.10	23.66' LT	760.42	541434.35	817101.08
2.13	RACINE	76+92.08	23.71' LT	760.37	541437.34	817101.08
2.14	RACINE	76+92.18	16.50' LT	760.40	541437.31	817108.29
2.15	RACINE	76+92.20	14.50' LT	760.42	541437.30	817110.29
2.16	RACINE	76+92.22	13.00' LT	760.40	541437.29	817111.79
2.17	RACINE	76+97.22	13.00' LT	760.35	541442.29	817111.88
2.18	RACINE	76+99.08	27.43' LT	760.23	541444.40	817097.48
2.19	RACINE	76+95.43	30.84' LT	760.27	541440.80	817094.01
2.20	RACINE	76+84.52	28.59' LT	760.41	541429.86	817096.07
2.21	RACINE	76+84.59	23.59' LT	760.42	541429.84	817101.07
2.22	RACINE	76+87.09	23.13' LT	760.96	541432.34	817101.58
2.23	RACINE	76+91.59	23.20' LT	760.88	541436.84	817101.58
2.24	RACINE	76+91.70	14.49' LT	760.92	541436.80	817110.29
2.25	RACINE	76+97.70	14.51' LT	760.86	541442.80	817110.38
2.26	RACINE	76+97.57	25.08' LT	760.78	541442.84	817099.81
2.27	RACINE	76+98.44	26.00' LT	760.76	541443.73	817098.90
2.28	RACINE	76+94.05	30.10' LT	760.80	541439.41	817094.72
2.29	RACINE	76+93.23	29.23' LT	760.82	541438.58	817095.59
2.30	RACINE	76+87.02	29.13' LT	760.93	541432.36	817095.58
2.31	RACINE	76+84.35	42.01' LT	760.24	541429.91	817082.66
2.32	RACINE	76+84.72	13.00' LT	760.47	541429.79	817111.67
2.33	RACINE	77+19.44	13.00' LT	760.15	541464.51	817112.25
2.34	RACINE	77+19.44	15.00' LT	760.15	541464.54	817110.25
2.35	RACINE	77+09.71	19.77' LT	760.14	541454.89	817105.32
2.36	RACINE	77+00.81	25.97' LT	760.22	541446.10	817098.97
2.37	RACINE	76+92.97	33.45' LT	760.26	541438.38	817091.36
2.38	RACINE	76+86.35	42.03' LT	760.23	541431.91	817082.67

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R2.01	RACINE	76+88.68	16.00' LT	2.0'
R2.02	RACINE	76+88.45	34.10' LT	2.0'
R2.03	RACINE	77+10.27	16.00' LT	2.0'

CURB RAMP - 1

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1.01	RACINE	77+10.13	46.56' LT	759.66	541455.77	817078.54
1.02	RACINE	77+11.50	48.02' LT	759.69	541457.16	817077.11
1.03	RACINE	77+05.31	52.38' LT	760.17	541451.05	817072.64
1.04	RACINE	77+09.51	56.87' LT	760.26	541455.32	817068.22
1.05	RACINE	77+14.24	50.95' LT	759.77	541459.95	817074.22
1.06	RACINE	77+17.89	47.53' LT	759.75	541463.54	817077.70
1.07	RACINE	77+24.11	43.20' LT	760.17	541469.69	817082.13
1.08	RACINE	77+19.92	38.72' LT	760.08	541465.42	817086.55
1.09	RACINE	77+15.15	44.60' LT	759.67	541460.75	817080.58
1.10	RACINE	77+13.78	43.14' LT	759.64	541459.36	817082.02
1.11	RACINE	77+12.07	41.31' LT	759.70	541457.62	817083.82
1.12	RACINE	77+08.42	44.73' LT	759.72	541454.03	817080.34
1.13	RACINE	76+96.84	63.25' LT	759.80	541442.76	817061.62
1.14	RACINE	77+01.07	54.33' LT	759.76	541446.83	817070.62
1.15	RACINE	77+06.90	46.36' LT	759.73	541452.54	817078.68
1.16	RACINE	77+14.14	39.65' LT	759.69	541459.66	817085.52
1.17	RACINE	77+22.52	34.42' LT	759.69	541467.95	817090.89
1.18	RACINE	77+29.61	30.89' LT	759.76	541474.97	817094.54
1.19	RACINE	77+38.03	27.36' LT	759.85	541483.34	817098.20
1.20	RACINE	77+46.84	25.00' LT	759.94	541492.11	817100.72
1.21	RACINE	77+56.97	24.00' LT	760.04	541502.22	817101.89



LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 40	E

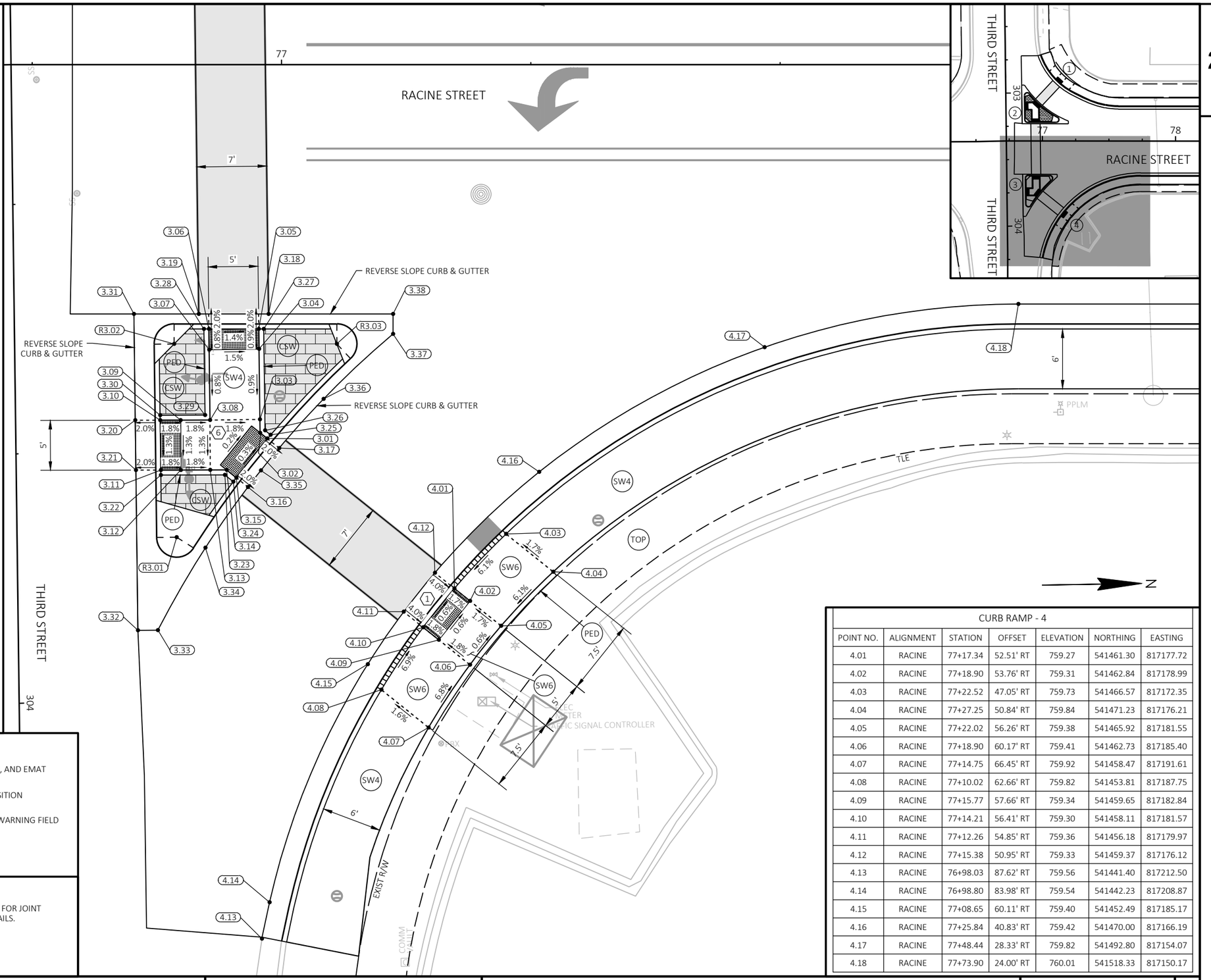
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:03 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

2

CURB RAMP - 3						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
3.01	RACINE	76+98.57	37.49' RT	759.95	541442.78	817162.38
3.02	RACINE	76+97.86	36.91' RT	759.97	541442.08	817161.80
3.03	RACINE	76+97.84	35.57' RT	760.00	541442.09	817160.45
3.04	RACINE	76+97.75	28.50' RT	760.06	541442.12	817153.38
3.05	RACINE	76+97.72	26.50' RT	760.08	541442.13	817151.38
3.06	RACINE	76+92.72	26.50' RT	760.15	541437.13	817151.30
3.07	RACINE	76+92.75	28.56' RT	760.14	541437.12	817153.36
3.08	RACINE	76+92.84	35.63' RT	760.08	541437.09	817160.43
3.09	RACINE	76+89.89	35.64' RT	760.14	541434.14	817160.39
3.10	RACINE	76+87.84	35.64' RT	760.17	541432.09	817160.36
3.11	RACINE	76+87.90	40.64' RT	760.11	541432.07	817165.36
3.12	RACINE	76+89.90	40.64' RT	760.07	541434.07	817165.39
3.13	RACINE	76+92.85	40.63' RT	760.02	541437.02	817165.43
3.14	RACINE	76+94.50	40.63' RT	759.99	541438.66	817165.45
3.15	RACINE	76+95.47	41.41' RT	759.97	541439.62	817166.25
3.16	RACINE	76+96.64	42.34' RT	759.94	541440.77	817167.20
3.17	RACINE	76+99.77	38.44' RT	759.93	541443.97	817163.35
3.18	RACINE	76+98.71	25.00' RT	760.05	541443.13	817149.90
3.19	RACINE	76+91.70	25.00' RT	760.15	541436.13	817149.78
3.20	RACINE	76+85.34	35.65' RT	760.14	541429.59	817160.32
3.21	RACINE	76+85.40	40.65' RT	760.08	541429.57	817165.32
3.22	RACINE	76+87.90	41.14' RT	760.61	541432.06	817165.86
3.23	RACINE	76+94.32	41.13' RT	760.49	541438.48	817165.95
3.24	RACINE	76+95.17	41.81' RT	760.47	541439.31	817166.64
3.25	RACINE	76+98.91	37.11' RT	760.45	541443.13	817162.01
3.26	RACINE	76+98.35	36.67' RT	760.47	541442.59	817161.56
3.27	RACINE	76+98.22	26.49' RT	760.57	541442.63	817151.38
3.28	RACINE	76+92.22	26.51' RT	760.66	541436.63	817151.29
3.29	RACINE	76+92.33	35.13' RT	760.60	541436.59	817159.92
3.30	RACINE	76+87.84	35.14' RT	760.68	541432.10	817159.86
3.31	RACINE	76+85.20	25.00' RT	760.22	541429.63	817149.67
3.32	RACINE	76+85.61	56.71' RT	760.02	541429.50	817181.39
3.33	RACINE	76+87.61	56.69' RT	759.99	541431.50	817181.39
3.34	RACINE	76+92.38	48.43' RT	759.96	541436.41	817173.22
3.35	RACINE	76+97.93	40.68' RT	759.93	541442.09	817165.56
3.36	RACINE	77+04.22	33.51' RT	759.91	541448.50	817158.50
3.37	RACINE	77+11.18	27.00' RT	759.88	541455.57	817152.11
3.38	RACINE	77+11.18	25.00' RT	759.88	541455.61	817150.11



LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

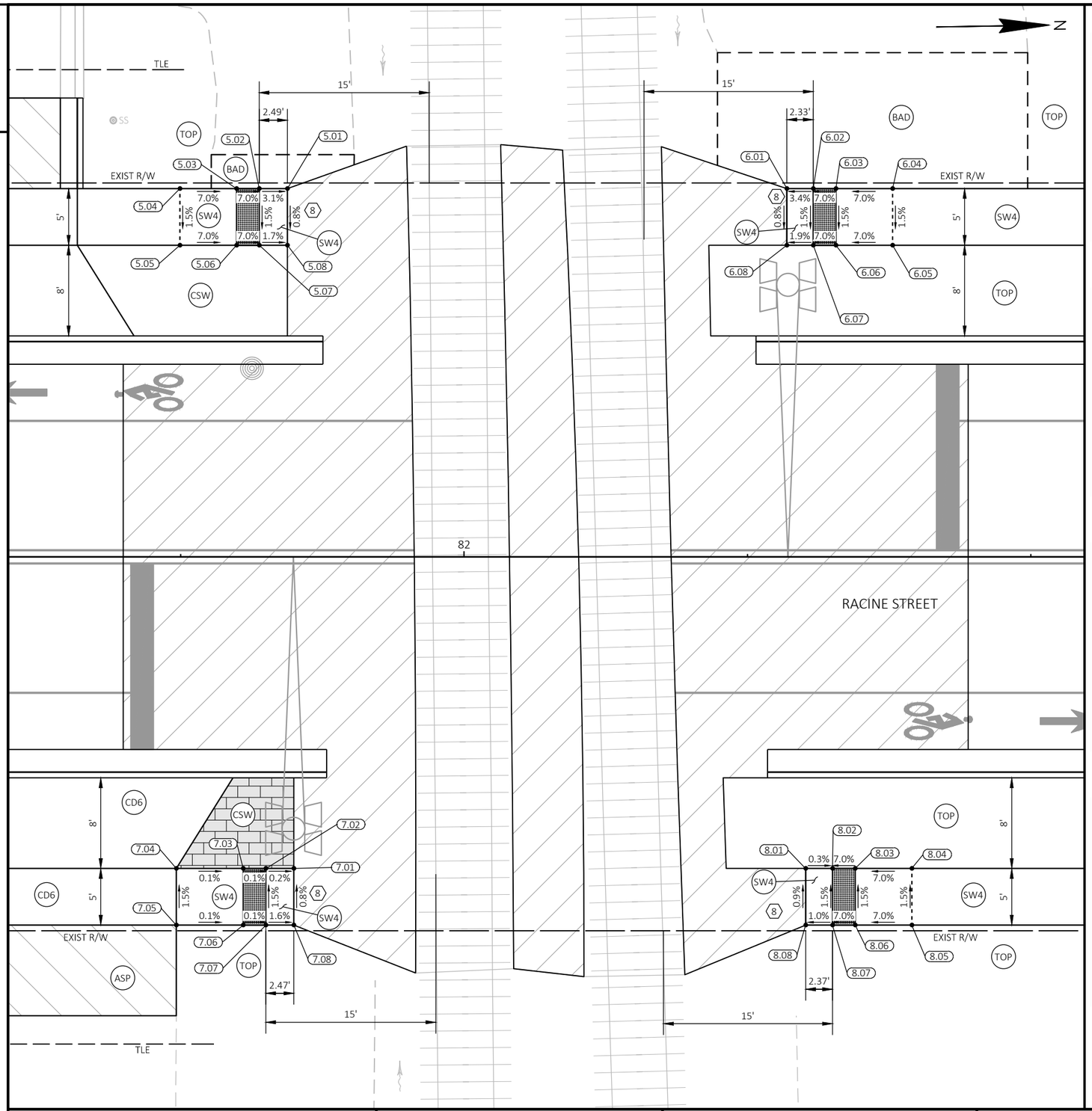
NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 4						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
4.01	RACINE	77+17.34	52.51' RT	759.27	541461.30	817177.72
4.02	RACINE	77+18.90	53.76' RT	759.31	541462.84	817178.99
4.03	RACINE	77+22.52	47.05' RT	759.73	541466.57	817172.35
4.04	RACINE	77+27.25	50.84' RT	759.84	541471.23	817176.21
4.05	RACINE	77+22.02	56.26' RT	759.38	541465.92	817181.55
4.06	RACINE	77+18.90	60.17' RT	759.41	541462.73	817185.40
4.07	RACINE	77+14.75	66.45' RT	759.92	541458.47	817191.61
4.08	RACINE	77+10.02	62.66' RT	759.82	541453.81	817187.75
4.09	RACINE	77+15.77	57.66' RT	759.34	541459.65	817182.84
4.10	RACINE	77+14.21	56.41' RT	759.30	541458.11	817181.57
4.11	RACINE	77+12.26	54.85' RT	759.36	541456.18	817179.97
4.12	RACINE	77+15.38	50.95' RT	759.33	541459.37	817176.12
4.13	RACINE	76+98.03	87.62' RT	759.56	541441.40	817212.50
4.14	RACINE	76+98.80	83.98' RT	759.54	541442.23	817208.87
4.15	RACINE	77+08.65	60.11' RT	759.40	541452.49	817185.17
4.16	RACINE	77+25.84	40.83' RT	759.42	541470.00	817166.19
4.17	RACINE	77+48.44	28.33' RT	759.82	541492.80	817154.07
4.18	RACINE	77+73.90	24.00' RT	760.01	541518.33	817150.17

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 41	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-02
PLOT DATE : 7/31/2024 9:03 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

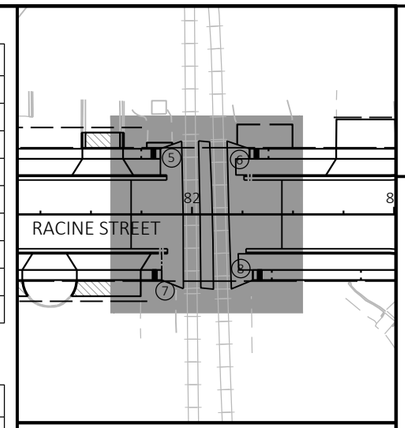


CURB RAMP - 5						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
5.01	RACINE	81+84.41	32.50' LT	762.23	541929.74	817100.61
5.02	RACINE	81+81.92	32.50' LT	762.31	541927.25	817100.57
5.03	RACINE	81+79.92	32.50' LT	762.45	541925.25	817100.54
5.04	RACINE	81+74.92	32.50' LT	762.80	541920.26	817100.45
5.05	RACINE	81+74.92	27.50' LT	762.72	541920.17	817105.45
5.06	RACINE	81+79.92	27.50' LT	762.37	541925.17	817105.54
5.07	RACINE	81+81.92	27.50' LT	762.23	541927.17	817105.57
5.08	RACINE	81+84.41	27.50' LT	762.19	541929.66	817105.61

CURB RAMP - 6						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
6.01	RACINE	82+28.48	32.50' LT	762.36	541973.80	817101.36
6.02	RACINE	82+30.81	32.50' LT	762.44	541976.13	817101.40
6.03	RACINE	82+32.81	32.50' LT	762.58	541978.13	817101.43
6.04	RACINE	82+37.81	32.50' LT	762.93	541983.13	817101.52
6.05	RACINE	82+37.81	27.50' LT	762.86	541983.04	817106.52
6.06	RACINE	82+32.81	27.50' LT	762.51	541978.04	817106.43
6.07	RACINE	82+30.81	27.50' LT	762.37	541976.04	817106.40
6.08	RACINE	82+28.48	27.50' LT	762.32	541973.72	817106.36

CURB RAMP - 7						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
7.01	RACINE	81+84.98	27.50' RT	762.17	541929.30	817160.61
7.02	RACINE	81+82.51	27.50' RT	762.18	541926.82	817160.57
7.03	RACINE	81+80.51	27.50' RT	762.18	541924.82	817160.54
7.04	RACINE	81+74.61	27.50' RT	762.19	541918.93	817160.44
7.05	RACINE	81+74.61	32.50' RT	762.26	541918.85	817165.44
7.06	RACINE	81+80.51	32.50' RT	762.25	541924.74	817165.54
7.07	RACINE	81+82.51	32.50' RT	762.25	541926.74	817165.57
7.08	RACINE	81+84.98	32.50' RT	762.21	541929.21	817165.61

CURB RAMP - 8						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
8.01	RACINE	82+30.14	27.50' RT	762.28	541974.45	817161.38
8.02	RACINE	82+32.51	27.50' RT	762.28	541976.82	817161.42
8.03	RACINE	82+34.51	27.50' RT	762.42	541978.81	817161.45
8.04	RACINE	82+39.51	27.50' RT	762.77	541983.81	817161.54
8.05	RACINE	82+39.51	32.50' RT	762.84	541983.73	817166.54
8.06	RACINE	82+34.51	32.50' RT	762.49	541978.73	817166.45
8.07	RACINE	82+32.51	32.50' RT	762.35	541976.73	817166.42
8.08	RACINE	82+30.14	32.50' RT	762.33	541974.36	817166.38



LEGEND

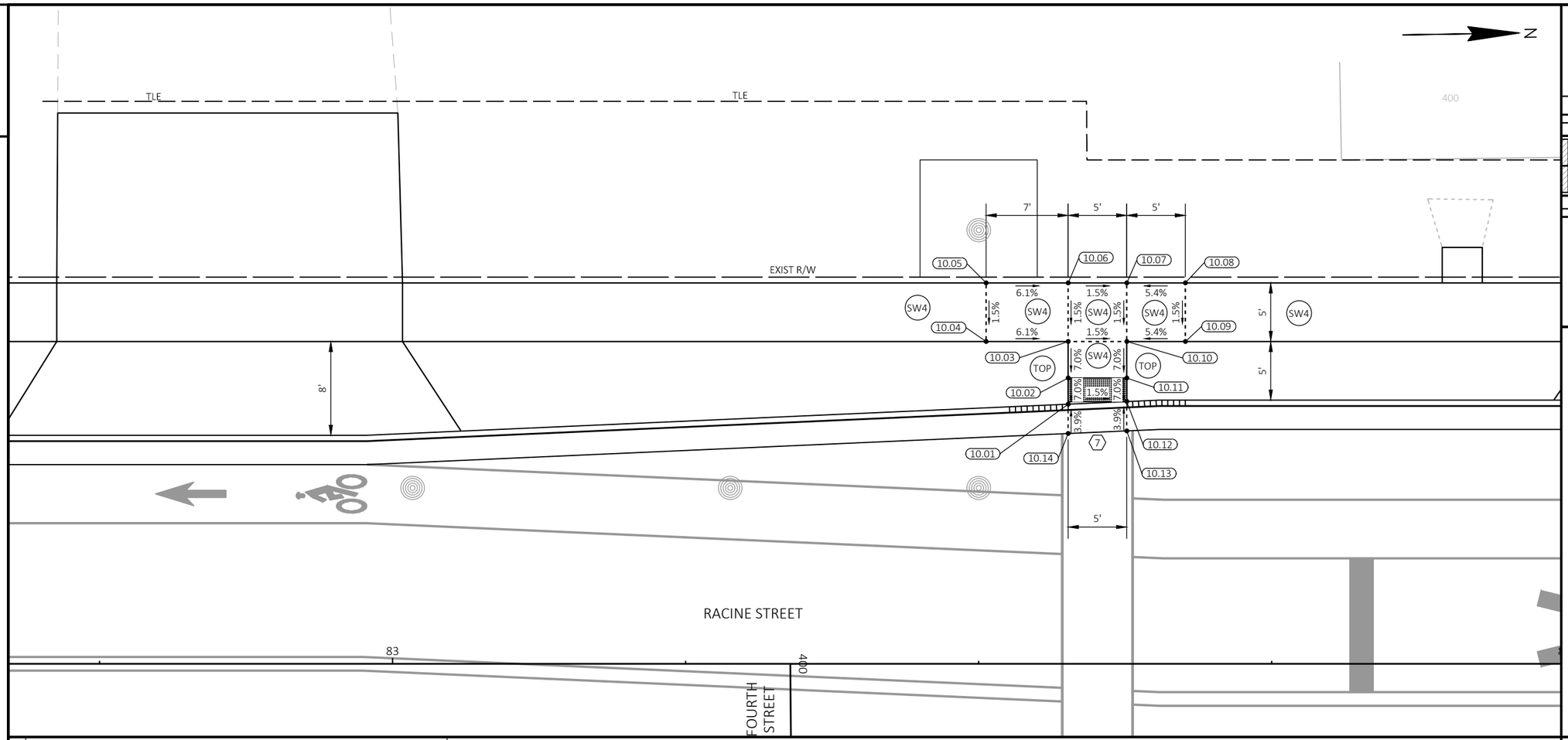
- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

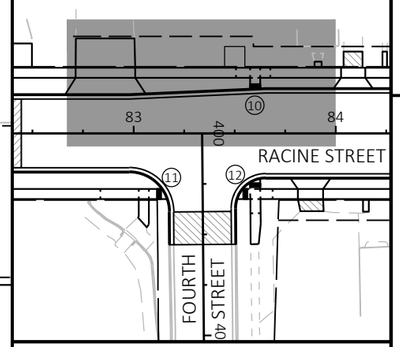
NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 42	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-03
PLOT DATE : 7/31/2024 9:04 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

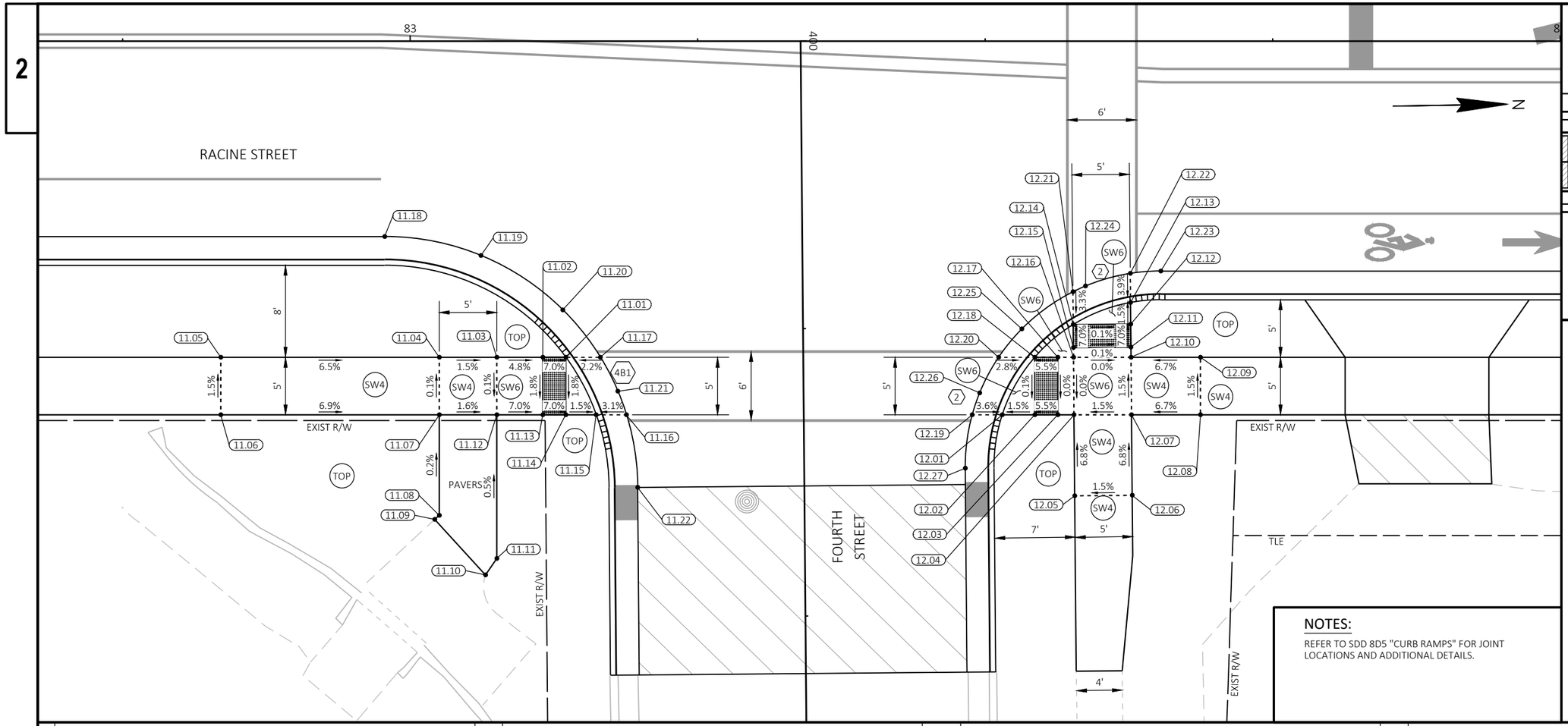
CURB RAMP - 10						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
10.01	RACINE	83+57.64	22.16' LT	760.09	542102.77	817113.88
10.02	RACINE	83+57.64	24.38' LT	760.24	542102.80	817111.66
10.03	RACINE	83+57.64	27.50' LT	760.46	542102.86	817108.54
10.04	RACINE	83+50.64	27.50' LT	760.89	542095.86	817108.42
10.05	RACINE	83+50.64	32.50' LT	760.96	542095.94	817103.42
10.06	RACINE	83+57.64	32.50' LT	760.54	542102.94	817103.54
10.07	RACINE	83+62.64	32.50' LT	760.46	542107.94	817103.63
10.08	RACINE	83+67.64	32.50' LT	760.73	542112.94	817103.71
10.09	RACINE	83+67.64	27.50' LT	760.65	542112.86	817108.71
10.10	RACINE	83+62.64	27.50' LT	760.38	542107.86	817108.62
10.11	RACINE	83+62.64	24.38' LT	760.16	542107.80	817111.75
10.12	RACINE	83+62.64	22.38' LT	760.02	542107.77	817113.75
10.13	RACINE	83+62.64	19.88' LT	760.08	542107.73	817116.25
10.14	RACINE	83+57.64	19.65' LT	760.15	542102.73	817116.39

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 43	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-04
PLOT DATE : 7/31/2024 9:04 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 11

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11.01	RACINE	83+13.52	27.50' RT	760.48	542057.82	817162.79
11.02	RACINE	83+11.52	27.50' RT	760.62	542055.82	817162.75
11.03	RACINE	83+07.52	27.50' RT	760.81	542051.82	817162.69
11.04	RACINE	83+02.52	27.50' RT	760.89	542046.82	817162.60
11.05	RACINE	82+83.52	27.50' RT	762.12	542027.82	817162.28
11.06	RACINE	82+83.52	32.50' RT	762.20	542027.74	817167.28
11.07	RACINE	83+02.52	32.50' RT	760.89	542046.74	817167.60
11.08	FOURTH	400+40.97	31.77' RT	760.91	542046.59	817176.34
11.09	FOURTH	400+41.32	32.17' RT	760.91	542046.19	817176.69
11.10	FOURTH	400+46.19	27.79' RT	760.88	542050.53	817181.60
11.11	FOURTH	400+44.77	26.80' RT	760.88	542051.52	817180.18
11.12	RACINE	83+07.52	32.50' RT	760.81	542051.73	817167.68
11.13	RACINE	83+11.52	32.50' RT	760.53	542055.73	817167.75
11.14	RACINE	83+13.52	32.50' RT	760.39	542057.73	817167.79
11.15	RACINE	83+16.16	32.50' RT	760.35	542060.37	817167.83
11.16	RACINE	83+18.79	32.50' RT	760.39	542063.00	817167.88

CURB RAMP - 11

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
11.17	RACINE	83+16.53	27.50' RT	760.51	542060.82	817162.84
11.18	RACINE	82+97.77	17.00' RT	761.17	542042.25	817152.02
11.19	RACINE	83+06.15	18.66' RT	760.91	542050.60	817153.82
11.20	RACINE	83+13.26	23.38' RT	760.65	542057.63	817158.66
11.21	RACINE	83+18.04	30.45' RT	760.44	542062.29	817165.81
11.22	FOURTH	400+38.69	14.50' RT	760.27	542063.88	817174.20

CURB RAMP - 12

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12.01	RACINE	83+51.47	32.50' RT	759.96	542095.68	817168.43
12.02	RACINE	83+54.30	32.50' RT	760.00	542098.51	817168.48
12.03	RACINE	83+56.30	32.50' RT	760.11	542100.51	817168.51
12.04	RACINE	83+57.72	32.50' RT	760.19	542101.93	817168.53
12.05	FOURTH	400+39.75	23.50' LT	760.66	542101.87	817175.58
12.06	FOURTH	400+39.75	28.50' LT	760.74	542106.87	817175.62
12.07	RACINE	83+62.72	32.50' RT	760.26	542106.93	817168.62
12.08	RACINE	83+68.72	32.50' RT	760.67	542112.92	817168.72
12.09	RACINE	83+68.72	27.50' RT	760.59	542113.01	817163.72
12.10	RACINE	83+62.68	27.50' RT	760.19	542106.97	817163.62
12.11	RACINE	83+62.67	26.61' RT	760.13	542106.97	817162.73
12.12	RACINE	83+62.65	24.61' RT	759.99	542106.99	817160.73
12.13	RACINE	83+62.63	22.74' RT	759.96	542107.01	817158.86
12.14	RACINE	83+57.65	24.66' RT	759.99	542101.99	817160.69
12.15	RACINE	83+57.67	26.66' RT	760.13	542101.97	817162.69
12.16	RACINE	83+57.67	27.50' RT	760.19	542101.97	817163.53
12.17	RACINE	83+56.30	27.50' RT	760.11	542100.59	817163.51

CURB RAMP - 12

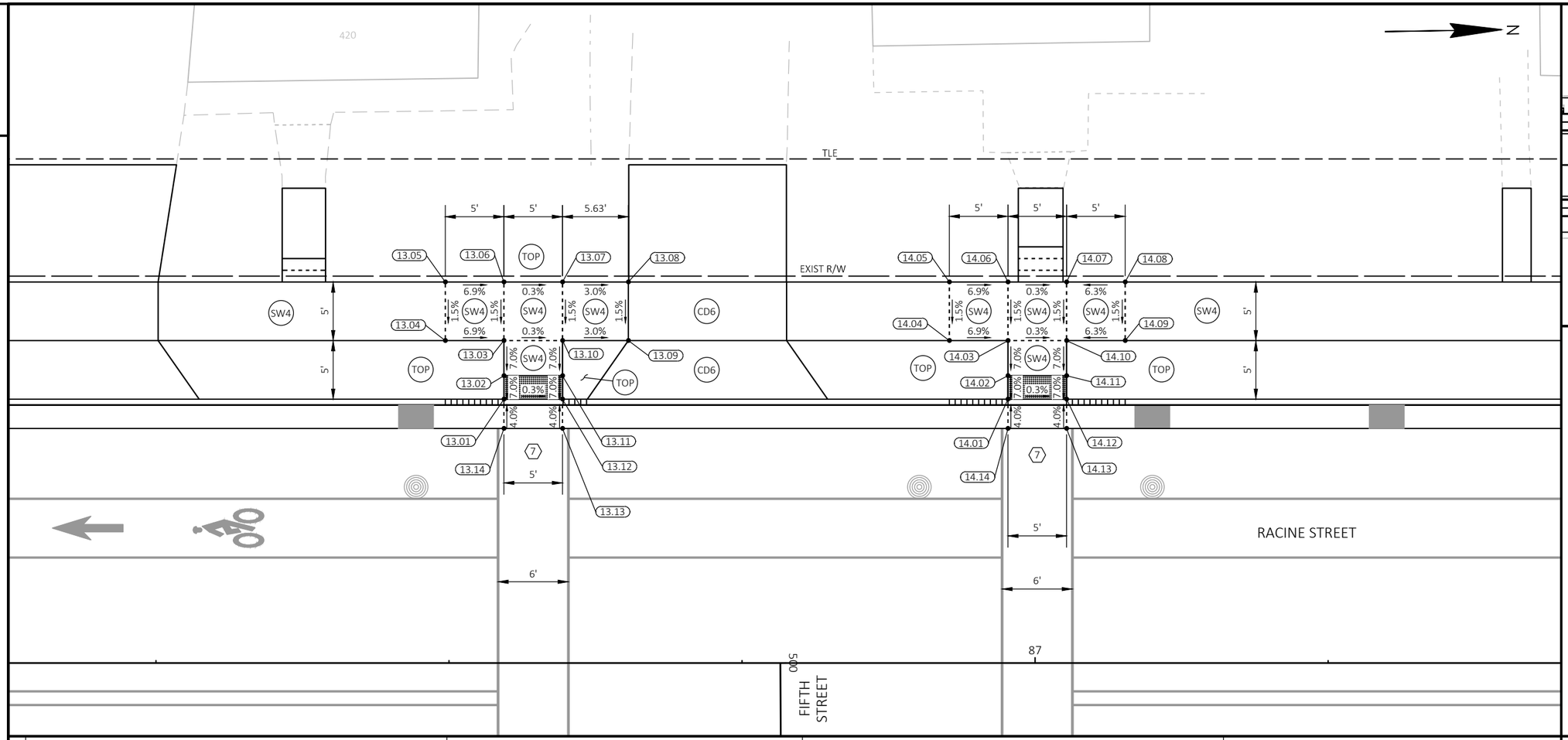
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
12.18	RACINE	83+54.30	27.50' RT	760.00	542098.60	817163.48
12.19	RACINE	83+48.86	32.50' RT	760.01	542093.07	817168.38
12.20	RACINE	83+51.16	27.50' RT	760.05	542095.45	817163.42
12.21	RACINE	83+57.63	21.81' RT	760.04	542102.01	817157.84
12.22	RACINE	83+62.61	20.21' RT	760.02	542107.03	817156.32
12.23	RACINE	83+65.26	20.00' RT	760.00	542109.67	817156.16
12.24	RACINE	83+58.72	21.31' RT	760.04	542103.11	817157.36
12.25	RACINE	83+53.18	25.03' RT	760.07	542097.52	817160.99
12.26	RACINE	83+49.51	30.60' RT	760.03	542093.75	817166.49
12.27	FOURTH	400+37.27	14.00' LT	759.98	542092.39	817173.02

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 44	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-05

PLOT DATE : 9/25/2024 1:51 PM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42



CURB RAMP - 13

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
13.01	RACINE	86+54.68	22.50' LT	759.44	542399.78	817118.56
13.02	RACINE	86+54.68	24.50' LT	759.58	542399.81	817116.56
13.03	RACINE	86+54.68	27.50' LT	759.79	542399.86	817113.56
13.04	RACINE	86+49.68	27.50' LT	760.14	542394.86	817113.48
13.05	RACINE	86+49.68	32.50' LT	760.21	542394.95	817108.48
13.06	RACINE	86+54.68	32.50' LT	759.87	542399.94	817108.56
13.07	RACINE	86+59.68	32.50' LT	759.85	542404.94	817108.65
13.08	RACINE	86+65.31	32.50' LT	759.68	542410.57	817108.74
13.09	RACINE	86+65.31	27.50' LT	759.61	542410.48	817113.74
13.10	RACINE	86+59.68	27.50' LT	759.78	542404.86	817113.65
13.11	RACINE	86+59.68	24.50' LT	759.57	542404.81	817116.64
13.12	RACINE	86+59.68	22.50' LT	759.43	542404.78	817118.64
13.13	RACINE	86+59.68	20.00' LT	759.49	542404.73	817121.14
13.14	RACINE	86+54.68	20.00' LT	759.50	542399.73	817121.06

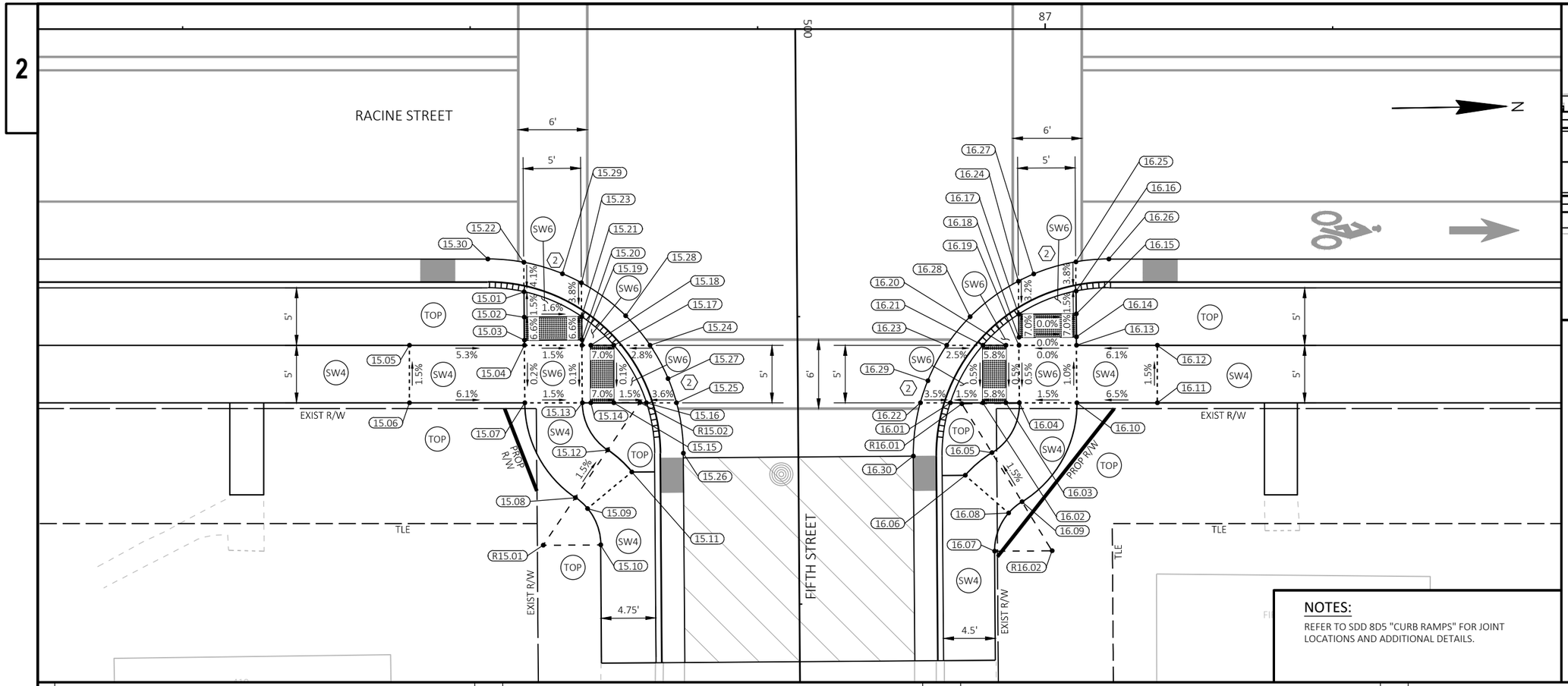
CURB RAMP - 14

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
14.01	RACINE	86+97.68	22.50' LT	759.31	542442.77	817119.29
14.02	RACINE	86+97.68	24.50' LT	759.45	542442.80	817117.29
14.03	RACINE	86+97.68	27.50' LT	759.66	542442.86	817114.29
14.04	RACINE	86+92.68	27.50' LT	760.01	542437.86	817114.20
14.05	RACINE	86+92.68	32.50' LT	760.08	542437.94	817109.20
14.06	RACINE	86+97.68	32.50' LT	759.74	542442.94	817109.29
14.07	RACINE	87+02.68	32.50' LT	759.72	542447.94	817109.37
14.08	RACINE	87+07.68	32.50' LT	760.04	542452.94	817109.46
14.09	RACINE	87+07.68	27.50' LT	759.96	542452.85	817114.46
14.10	RACINE	87+02.68	27.50' LT	759.65	542447.85	817114.37
14.11	RACINE	87+02.68	24.50' LT	759.44	542447.80	817117.37
14.12	RACINE	87+02.68	22.50' LT	759.30	542447.77	817119.37
14.13	RACINE	87+02.68	20.00' LT	759.36	542447.73	817121.87
14.14	RACINE	86+97.68	20.00' LT	759.37	542442.73	817121.79

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 45	E



LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 15

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
15.01	RACINE	86+54.68	22.85' RT	759.38	542399.01	817163.90
15.02	RACINE	86+54.70	25.05' RT	759.41	542398.99	817166.11
15.03	RACINE	86+54.71	27.05' RT	759.54	542398.97	817168.11
15.04	RACINE	86+54.71	27.50' RT	759.57	542398.96	817168.55
15.05	RACINE	86+44.71	27.50' RT	760.10	542388.97	817168.38
15.06	RACINE	86+44.71	32.50' RT	760.18	542388.88	817173.38
15.07	RACINE	86+54.75	32.50' RT	759.56	542398.92	817173.55
15.08	FIFTH	500+40.60	19.42' RT	759.71	542403.17	817181.87
15.09	FIFTH	500+41.56	18.37' RT	759.73	542404.20	817182.84
15.10	FIFTH	500+44.72	17.25' RT	759.78	542405.30	817186.01
15.11	FIFTH	500+38.40	14.50' RT	759.72	542408.11	817179.72
15.12	FIFTH	500+36.48	16.58' RT	759.63	542406.04	817177.78
15.13	RACINE	86+59.75	32.50' RT	759.49	542403.92	817173.64
15.14	RACINE	86+60.49	32.50' RT	759.44	542404.65	817173.65
15.15	RACINE	86+62.49	32.50' RT	759.30	542406.65	817173.68
15.16	RACINE	86+65.32	32.50' RT	759.25	542409.48	817173.73
15.17	RACINE	86+62.49	27.50' RT	759.30	542406.74	817168.68
15.18	RACINE	86+60.49	27.50' RT	759.44	542404.74	817168.65

CURB RAMP - 15

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
15.19	RACINE	86+59.71	27.50' RT	759.49	542403.96	817168.64
15.20	RACINE	86+59.71	27.01' RT	759.46	542403.97	817168.15
15.21	RACINE	86+59.70	25.01' RT	759.33	542403.99	817166.15
15.22	RACINE	86+54.66	20.29' RT	759.44	542399.03	817161.34
15.23	RACINE	86+59.67	22.08' RT	759.40	542404.01	817163.21
15.24	RACINE	86+65.63	27.50' RT	759.35	542409.88	817168.74
15.25	RACINE	86+67.93	32.50' RT	759.31	542412.09	817173.78
15.26	FIFTH	500+36.80	10.00' RT	759.28	542412.62	817178.16
15.27	RACINE	86+67.20	30.41' RT	759.32	542411.40	817171.67
15.28	RACINE	86+63.51	24.93' RT	759.37	542407.80	817166.14
15.29	RACINE	86+58.01	21.28' RT	759.42	542402.37	817162.39
15.30	RACINE	86+51.53	20.00' RT	759.46	542395.91	817161.00

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R15.01	FIFTH	500+44.72	22.25' RT	5.0'/10.0'
R15.02	FIFTH	500+32.36	13.75' RT	5.0'/10.0'

CURB RAMP - 16

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
16.01	RACINE	86+91.75	32.50' RT	759.23	542435.91	817174.18
16.02	RACINE	86+94.58	32.50' RT	759.27	542438.74	817174.23
16.03	RACINE	86+96.58	32.50' RT	759.38	542440.74	817174.26
16.04	RACINE	86+97.75	32.50' RT	759.45	542441.91	817174.28
16.05	FIFTH	500+36.96	16.83' LT	759.59	542439.45	817178.57
16.06	FIFTH	500+38.91	14.50' LT	759.67	542437.10	817180.50
16.07	FIFTH	500+45.52	17.00' LT	759.73	542439.54	817187.14
16.08	FIFTH	500+42.22	18.25' LT	759.68	542440.82	817183.84
16.09	FIFTH	500+41.24	19.42' LT	759.66	542442.00	817182.88
16.10	RACINE	87+02.75	32.50' RT	759.53	542446.91	817174.36
16.11	RACINE	87+09.75	32.50' RT	759.98	542453.91	817174.48
16.12	RACINE	87+09.75	27.50' RT	759.91	542453.99	817169.48
16.13	RACINE	87+02.72	27.50' RT	759.48	542446.96	817169.36
16.14	RACINE	87+02.71	26.77' RT	759.43	542446.97	817168.63
16.15	RACINE	87+02.70	24.77' RT	759.29	542446.98	817166.63
16.16	RACINE	87+02.68	22.78' RT	759.26	542447.00	817164.65
16.17	RACINE	86+97.70	24.80' RT	759.29	542441.98	817166.58
16.18	RACINE	86+97.71	26.80' RT	759.43	542441.97	817168.58

CURB RAMP - 16

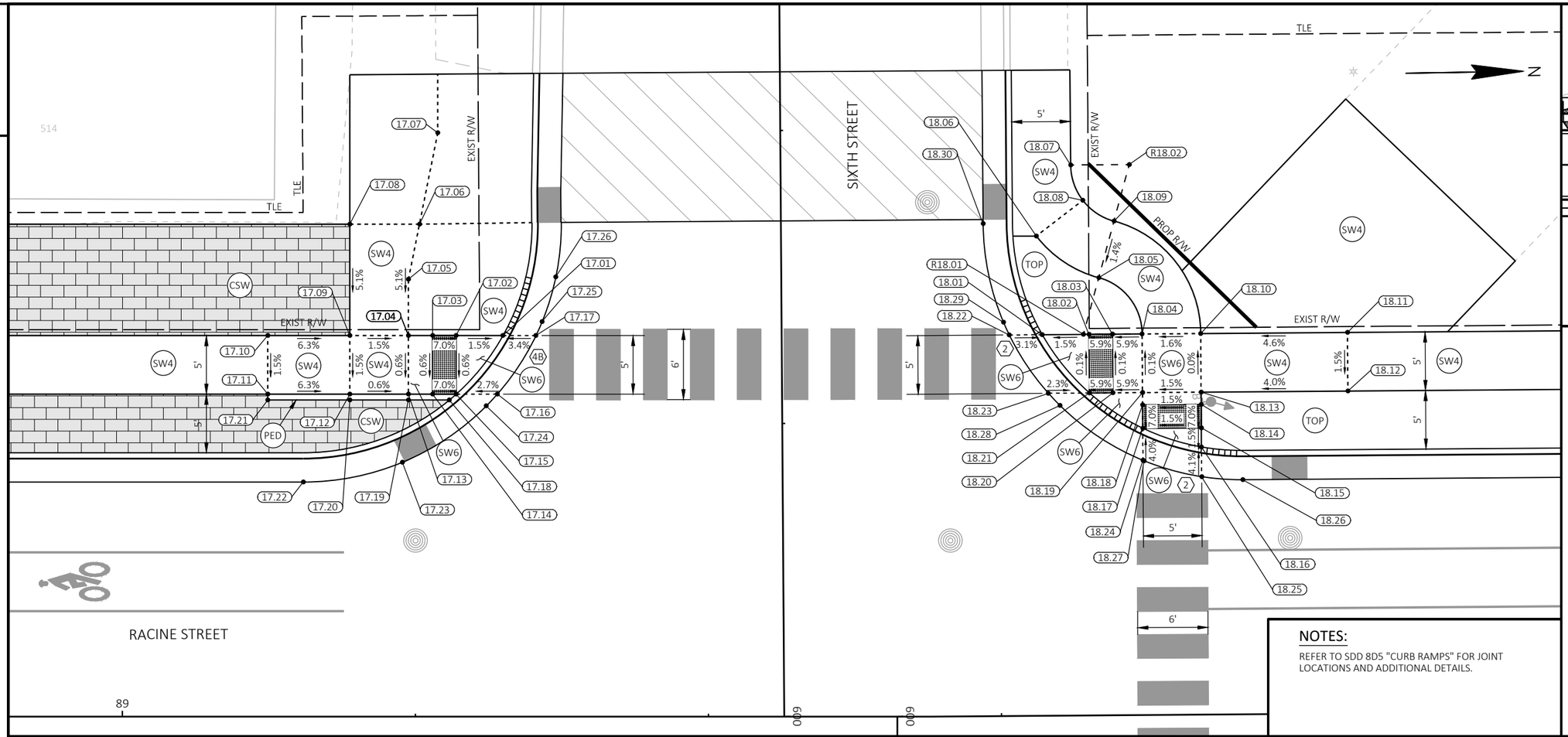
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
16.19	RACINE	86+97.72	27.50' RT	759.48	542441.96	817169.28
16.20	RACINE	86+96.58	27.50' RT	759.41	542440.83	817169.26
16.21	RACINE	86+94.58	27.50' RT	759.29	542438.83	817169.23
16.22	RACINE	86+89.14	32.50' RT	759.28	542433.30	817174.13
16.23	RACINE	86+91.44	27.50' RT	759.33	542435.68	817169.17
16.24	RACINE	86+97.67	21.93' RT	759.34	542442.01	817163.71
16.25	RACINE	87+02.66	20.24' RT	759.31	542447.03	817162.11
16.26	RACINE	87+05.54	20.00' RT	759.30	542449.91	817161.91
16.27	RACINE	86+99.00	21.31' RT	759.33	542443.35	817163.11
16.28	RACINE	86+93.47	25.02' RT	759.37	542437.76	817166.73
16.29	RACINE	86+89.79	30.58' RT	759.30	542433.99	817172.23
16.30	FIFTH	500+37.20	10.00' LT	759.23	542432.62	817178.75

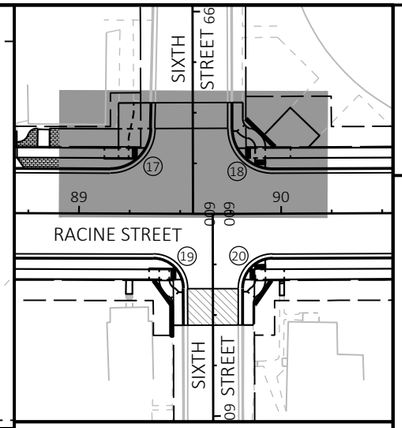
RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R16.01	FIFTH	500+32.68	14.25' LT	DATA POINT
R16.02	FIFTH	500+45.52	22.00' LT	DATA POINT

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 46 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-07
PLOT DATE : 7/31/2024 9:05 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 17

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
17.01	RACINE	89+32.46	32.50' LT	759.54	542677.68	817113.26
17.02	RACINE	89+28.47	32.50' LT	759.60	542673.69	817113.19
17.03	RACINE	89+26.47	32.50' LT	759.74	542671.69	817113.15
17.04	RACINE	89+24.41	32.50' LT	759.88	542669.63	817113.12
17.05	SIXTH-WEST	599+62.48	31.80' RT	760.17	542669.71	817108.32
17.06	SIXTH-WEST	599+57.79	30.83' RT	760.35	542670.73	817103.64
17.07	SIXTH-WEST	599+50.00	29.22' RT	760.39	542672.42	817095.87
17.08	SIXTH-WEST	599+57.75	36.77' RT	760.44	542664.79	817103.54
17.09	RACINE	89+19.41	32.50' LT	759.96	542664.63	817113.04
17.10	RACINE	89+12.41	32.50' LT	760.39	542657.63	817112.92
17.11	RACINE	89+12.41	27.50' LT	760.32	542657.55	817117.92
17.12	RACINE	89+19.41	27.50' LT	759.88	542664.55	817118.03
17.13	RACINE	89+24.41	27.50' LT	759.85	542669.55	817118.12
17.14	RACINE	89+26.47	27.50' LT	759.71	542671.61	817118.15
17.15	RACINE	89+28.47	27.50' LT	759.57	542673.61	817118.19
17.16	RACINE	89+31.98	27.51' LT	759.62	542677.12	817118.24
17.17	RACINE	89+35.27	32.50' LT	759.59	542680.50	817113.30

CURB RAMP - 17

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
17.18	RACINE	89+27.89	27.00' LT	760.05	542673.02	817118.68
17.19	RACINE	89+24.41	27.00' LT	760.11	542669.54	817118.62
17.20	RACINE	89+19.41	27.00' LT	760.19	542664.54	817118.53
17.21	RACINE	89+12.41	27.00' LT	760.30	542657.54	817118.42
17.22	RACINE	89+15.43	20.00' LT	759.69	542660.44	817125.47
17.23	RACINE	89+23.88	21.69' LT	759.65	542668.92	817123.92
17.24	RACINE	89+31.04	26.50' LT	759.62	542676.16	817119.23
17.25	RACINE	89+35.80	33.69' LT	759.59	542681.04	817112.13
17.26	SIXTH-WEST	599+62.36	19.24' RT	759.57	542682.27	817108.33

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R18.01	SIXTH-WEST	599+67.57	25.75' LT	5.0'/10.0'
R18.02	SIXTH-WEST	599+53.11	29.75' LT	5.0'/10.0'

CURB RAMP - 18

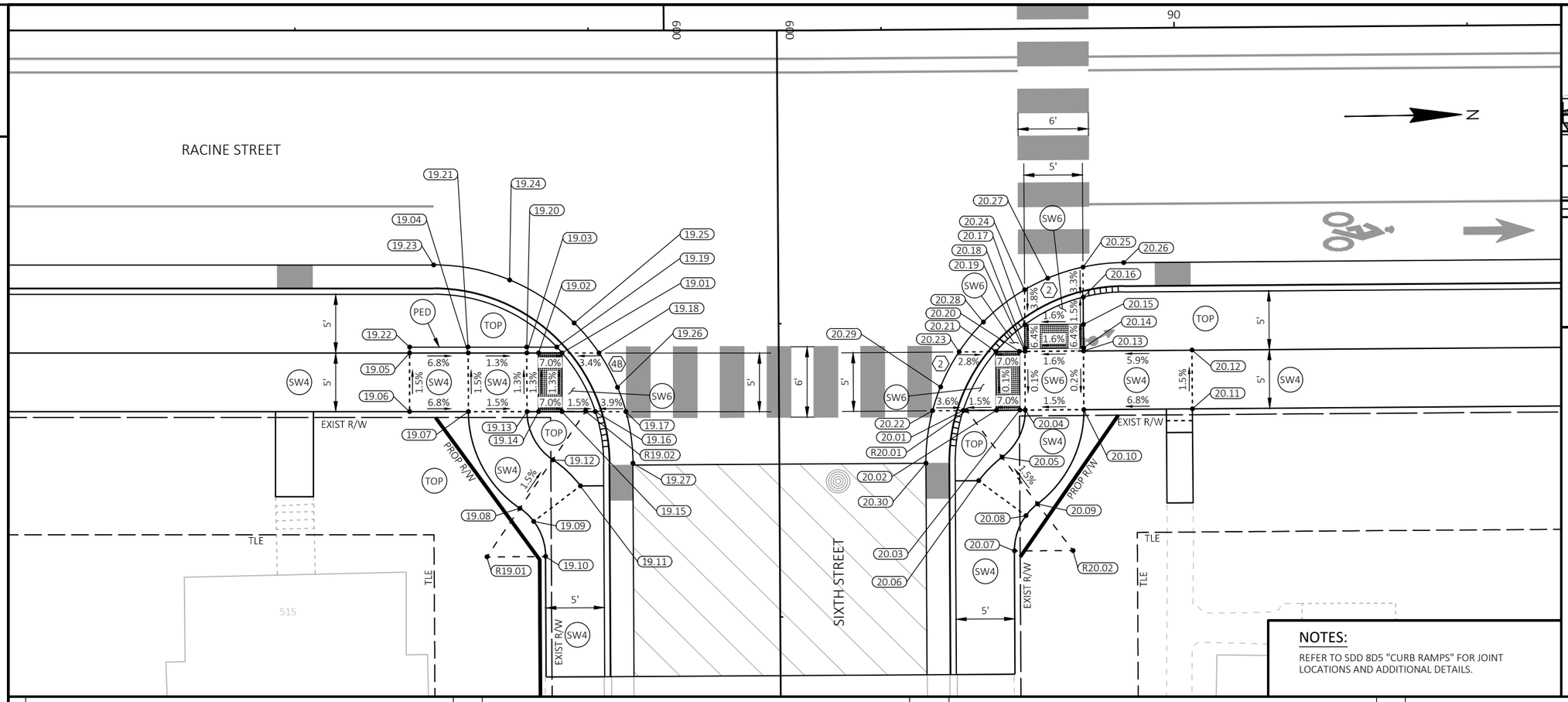
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
18.01	RACINE	89+78.71	32.50' LT	759.60	542723.69	817113.96
18.02	RACINE	89+82.70	32.50' LT	759.66	542727.68	817114.00
18.03	RACINE	89+84.70	32.50' LT	759.78	542729.68	817114.02
18.04	RACINE	89+87.24	32.50' LT	759.93	542732.21	817114.04
18.05	SIXTH-WEST	599+62.75	27.08' LT	759.98	542728.59	817109.18
18.06	SIXTH-WEST	599+59.16	21.78' LT	760.03	542723.33	817105.54
18.07	SIXTH-WEST	599+53.11	24.75' LT	760.06	542726.36	817099.52
18.08	SIXTH-WEST	599+56.14	25.77' LT	760.06	542727.34	817102.55
18.09	SIXTH-WEST	599+57.93	28.42' LT	760.05	542729.98	817104.38
18.10	RACINE	89+92.24	32.50' LT	760.01	542737.21	817114.09
18.11	RACINE	90+04.76	32.50' LT	760.59	542749.73	817114.21
18.12	RACINE	90+04.76	27.50' LT	760.51	542749.68	817119.21
18.13	RACINE	89+92.23	27.50' LT	760.01	542737.16	817119.09
18.14	RACINE	89+92.23	26.45' LT	759.94	542737.15	817120.14
18.15	RACINE	89+92.23	24.45' LT	759.80	542737.13	817122.14
18.16	RACINE	89+92.23	22.82' LT	759.77	542737.11	817123.77
18.17	RACINE	89+87.23	24.46' LT	759.72	542732.13	817122.09

CURB RAMP - 18

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
18.18	RACINE	89+87.23	26.46' LT	759.86	542732.15	817120.09
18.19	RACINE	89+87.23	27.50' LT	759.93	542732.16	817119.04
18.20	RACINE	89+84.70	27.50' LT	759.79	542729.63	817119.02
18.21	RACINE	89+82.70	27.50' LT	759.67	542727.63	817119.00
18.22	RACINE	89+75.90	32.50' LT	759.65	542720.87	817113.93
18.23	RACINE	89+79.20	27.50' LT	759.71	542724.13	817118.97
18.24	RACINE	89+87.23	21.71' LT	759.79	542732.10	817124.83
18.25	RACINE	89+92.23	20.28' LT	759.84	542737.09	817126.31
18.26	RACINE	89+95.74	20.00' LT	759.87	542740.60	817126.62
18.27	RACINE	89+87.32	21.68' LT	759.79	542732.19	817124.87
18.28	RACINE	89+80.18	26.45' LT	759.72	542725.10	817120.03
18.29	RACINE	89+75.41	33.59' LT	759.64	542720.40	817112.84
18.30	SIXTH-WEST	599+58.07	17.25' LT	759.57	542718.81	817104.40

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 47	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-08
PLOT DATE : 7/31/2024 9:06 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 19

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
19.01	RACINE	89+47.79	27.50' RT	759.67	542692.00	817173.51
19.02	RACINE	89+45.79	27.50' RT	759.81	542690.00	817173.47
19.03	RACINE	89+44.78	27.50' RT	759.88	542688.99	817173.46
19.04	RACINE	89+39.78	27.50' RT	759.95	542683.99	817173.37
19.05	RACINE	89+34.78	27.50' RT	760.29	542678.99	817173.29
19.06	RACINE	89+34.78	32.50' RT	760.36	542678.90	817178.29
19.07	RACINE	89+39.81	32.50' RT	760.02	542683.93	817178.37
19.08	SIXTH-EAST	600+40.61	22.17' RT	760.21	542688.17	817186.69
19.09	SIXTH-EAST	600+41.73	21.00' RT	760.26	542689.33	817187.82
19.10	SIXTH-EAST	600+44.73	20.00' RT	760.36	542690.29	817190.83
19.11	SIXTH-EAST	600+38.73	17.00' RT	760.24	542693.36	817184.86
19.12	SIXTH-EAST	600+36.49	19.33' RT	760.14	542691.05	817182.60
19.13	RACINE	89+44.81	32.50' RT	759.95	542688.93	817178.46
19.14	RACINE	89+45.79	32.50' RT	759.88	542689.91	817178.47
19.15	RACINE	89+47.79	32.50' RT	759.74	542691.91	817178.51
19.16	RACINE	89+50.62	32.50' RT	759.70	542694.74	817178.55
19.17	RACINE	89+53.23	32.50' RT	759.76	542697.35	817178.60
19.18	RACINE	89+50.93	27.50' RT	759.74	542695.14	817173.56

CURB RAMP - 19

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
19.19	RACINE	89+47.33	27.00' RT	760.15	542691.55	817173.00
19.20	RACINE	89+44.77	27.00' RT	760.17	542688.99	817172.96
19.21	RACINE	89+39.77	27.00' RT	760.22	542683.99	817172.87
19.22	RACINE	89+34.78	27.00' RT	760.27	542679.00	817172.79
19.23	RACINE	89+36.83	20.00' RT	759.68	542681.17	817165.82
19.24	RACINE	89+43.32	21.28' RT	759.71	542687.63	817167.22
19.25	RACINE	89+48.82	24.94' RT	759.73	542693.07	817170.97
19.26	RACINE	89+52.51	30.43' RT	759.75	542696.67	817176.51
19.27	SIXTH-EAST	600+36.83	12.50' RT	759.77	542697.88	817183.01

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R19.01	SIXTH-EAST	600+44.73	25.00' RT	5.0'/10.0'
R19.02	SIXTH-EAST	600+32.37	16.50' RT	5.0'/10.0'

CURB RAMP - 20

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
20.01	RACINE	89+81.77	32.50' RT	759.78	542726.14	817178.99
20.02	RACINE	89+84.60	32.50' RT	759.82	542728.97	817179.01
20.03	RACINE	89+86.60	32.50' RT	759.96	542730.97	817179.03
20.04	RACINE	89+87.06	32.50' RT	759.99	542731.43	817179.04
20.05	SIXTH-EAST	600+36.49	19.00' LT	760.18	542729.38	817183.01
20.06	SIXTH-EAST	600+38.49	17.00' LT	760.24	542727.36	817184.99
20.07	SIXTH-EAST	600+44.49	20.00' LT	760.37	542730.29	817191.03
20.08	SIXTH-EAST	600+41.49	21.00' LT	760.29	542731.33	817188.04
20.09	SIXTH-EAST	600+40.49	22.00' LT	760.25	542732.34	817187.05
20.10	RACINE	89+92.06	32.50' RT	760.07	542736.43	817179.08
20.11	RACINE	90+01.33	32.50' RT	760.70	542745.69	817179.17
20.12	RACINE	90+01.33	27.50' RT	760.62	542745.74	817174.17
20.13	RACINE	89+92.07	27.50' RT	760.08	542736.48	817174.08
20.14	RACINE	89+92.07	27.25' RT	760.06	542736.48	817173.83
20.15	RACINE	89+92.08	25.25' RT	759.93	542736.51	817171.83
20.16	RACINE	89+92.08	22.92' RT	759.90	542736.53	817169.51
20.17	RACINE	89+87.08	25.24' RT	759.85	542731.51	817171.78
20.18	RACINE	89+87.07	27.24' RT	759.98	542731.48	817173.78

CURB RAMP - 20

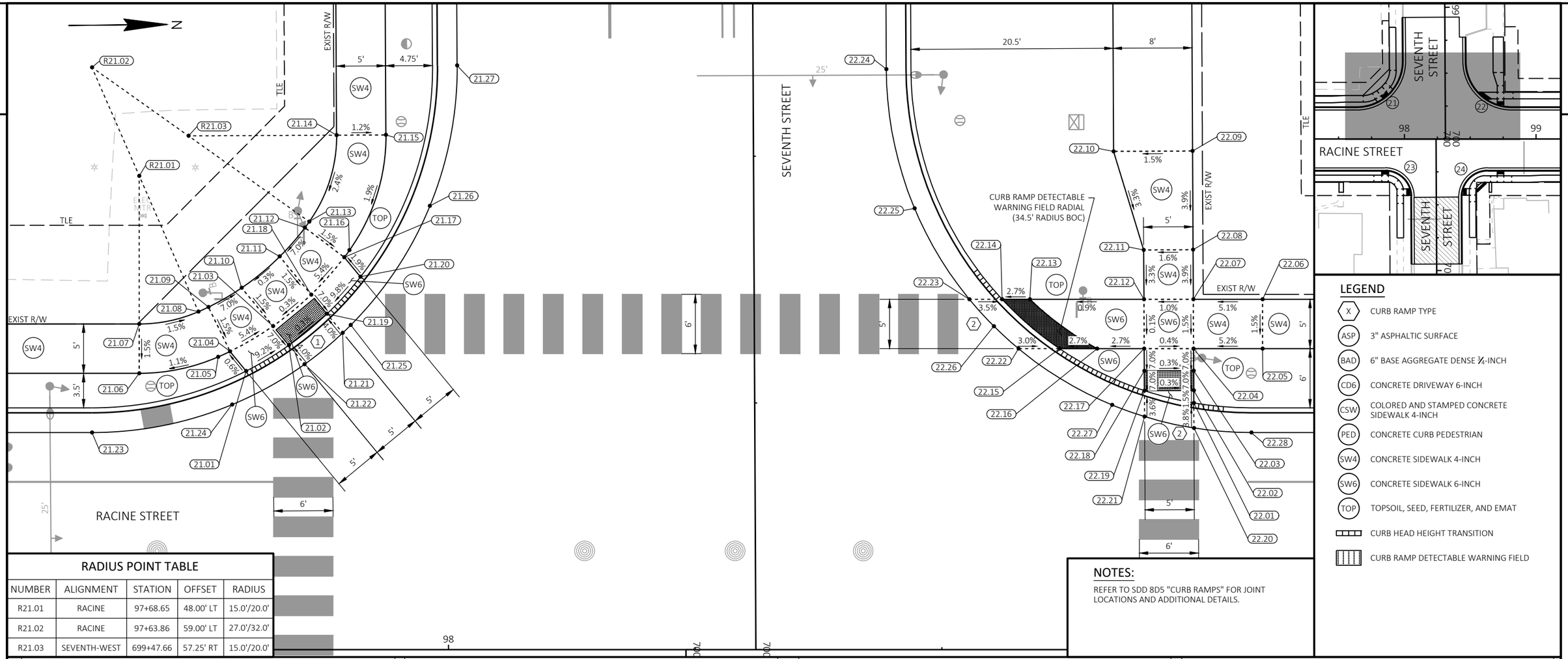
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
20.19	RACINE	89+87.07	27.50' RT	760.00	542731.48	817174.04
20.20	RACINE	89+86.60	27.50' RT	759.96	542731.01	817174.03
20.21	RACINE	89+84.60	27.50' RT	759.82	542729.01	817174.01
20.22	RACINE	89+79.16	32.50' RT	759.83	542723.53	817178.96
20.23	RACINE	89+81.46	27.50' RT	759.87	542725.87	817173.98
20.24	RACINE	89+87.09	22.26' RT	759.93	542731.54	817168.80
20.25	RACINE	89+92.08	20.36' RT	759.96	542736.56	817166.94
20.26	RACINE	89+95.56	20.00' RT	759.99	542740.04	817166.62
20.27	RACINE	89+89.06	21.29' RT	759.94	542733.53	817167.85
20.28	RACINE	89+83.55	24.97' RT	759.89	542727.98	817171.47
20.29	RACINE	89+79.86	30.48' RT	759.85	542724.24	817176.94
20.30	SIXTH-EAST	600+36.97	12.50' LT	759.80	542722.88	817183.43

RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R20.01	SIXTH-EAST	600+32.49	16.00' LT	5.0'/10.0'
R20.02	SIXTH-EAST	600+44.49	25.00' LT	5.0'/10.0'

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 48	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-09
PLOT DATE : 7/31/2024 9:06 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



RADIUS POINT TABLE

NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R21.01	RACINE	97+68.65	48.00' LT	15.0'/20.0'
R21.02	RACINE	97+63.86	59.00' LT	27.0'/32.0'
R21.03	SEVENTH-WEST	699+47.66	57.25' RT	15.0'/20.0'

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 21

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
21.01	RACINE	97+79.48	28.24' LT	760.60	543524.38	817125.79
21.02	RACINE	97+83.81	30.86' LT	760.13	543528.73	817123.22
21.03	RACINE	97+82.22	32.79' LT	760.31	543527.16	817121.27
21.04	RACINE	97+77.85	30.22' LT	760.58	543522.77	817123.79
21.05	RACINE	97+76.65	29.67' LT	760.60	543521.56	817124.34
21.06	RACINE	97+68.65	28.00' LT	760.69	543513.55	817125.93
21.07	RACINE	97+68.65	33.00' LT	760.76	543513.60	817120.93
21.08	RACINE	97+74.65	34.25' LT	760.67	543519.60	817119.73
21.09	RACINE	97+75.67	34.72' LT	760.66	543520.63	817119.27
21.10	RACINE	97+79.02	36.66' LT	760.38	543524.00	817117.36
21.11	RACINE	97+82.88	39.84' LT	760.40	543527.89	817114.22
21.12	RACINE	97+85.43	42.77' LT	760.67	543530.47	817111.32
21.13	RACINE	97+85.87	43.37' LT	760.69	543530.92	817110.72
21.14	SEVENTH-WEST	699+47.66	42.25' RT	760.91	543533.77	817101.99
21.15	SEVENTH-WEST	699+47.66	37.25' RT	760.85	543538.77	817102.01

CURB RAMP - 21

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
21.16	RACINE	97+89.95	40.48' LT	760.61	543534.97	817113.65
21.17	RACINE	97+89.43	39.76' LT	760.60	543534.44	817114.36
21.18	RACINE	97+86.07	35.97' LT	760.32	543531.05	817118.12
21.19	RACINE	97+87.67	34.03' LT	760.15	543532.62	817120.07
21.20	RACINE	97+91.06	37.78' LT	760.65	543536.05	817116.36
21.21	RACINE	97+89.26	32.10' LT	760.21	543534.20	817122.02
21.22	RACINE	97+85.40	28.92' LT	760.19	543530.31	817125.16
21.23	RACINE	97+63.86	22.00' LT	760.13	543508.70	817131.88
21.24	RACINE	97+78.06	24.83' LT	760.17	543522.93	817129.18
21.25	RACINE	97+90.09	32.90' LT	760.21	543535.03	817121.23
21.26	SEVENTH-WEST	699+54.87	32.83' RT	760.26	543543.15	817109.24
21.27	SEVENTH-WEST	699+40.66	30.00' RT	760.30	543546.05	817095.05

CURB RAMP - 22

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
22.01	RACINE	98+75.53	25.00' LT	760.21	543620.39	817129.94
22.02	RACINE	98+75.52	26.27' LT	760.23	543620.40	817128.67
22.03	RACINE	98+75.51	28.27' LT	760.37	543620.41	817126.67
22.04	RACINE	98+75.50	30.50' LT	760.53	543620.42	817124.44
22.05	RACINE	98+82.50	30.50' LT	760.89	543627.42	817124.50
22.06	RACINE	98+82.50	35.50' LT	760.96	543627.47	817119.50
22.07	RACINE	98+75.48	35.50' LT	760.60	543620.44	817119.44
22.08	SEVENTH-WEST	699+59.70	44.50' LT	760.80	543620.46	817114.41
22.09	SEVENTH-WEST	699+49.70	44.50' LT	761.19	543620.51	817104.41
22.10	SEVENTH-WEST	699+49.70	36.50' LT	761.07	543612.51	817104.38
22.11	SEVENTH-WEST	699+59.70	39.50' LT	760.72	543615.46	817114.39
22.12	RACINE	98+70.48	35.50' LT	760.55	543615.44	817119.39
22.13	RACINE	98+58.91	35.50' LT	760.44	543603.87	817119.28
22.14	RACINE	98+56.10	35.50' LT	760.37	543601.07	817119.25
22.15	RACINE	98+61.92	30.50' LT	760.31	543606.83	817124.31

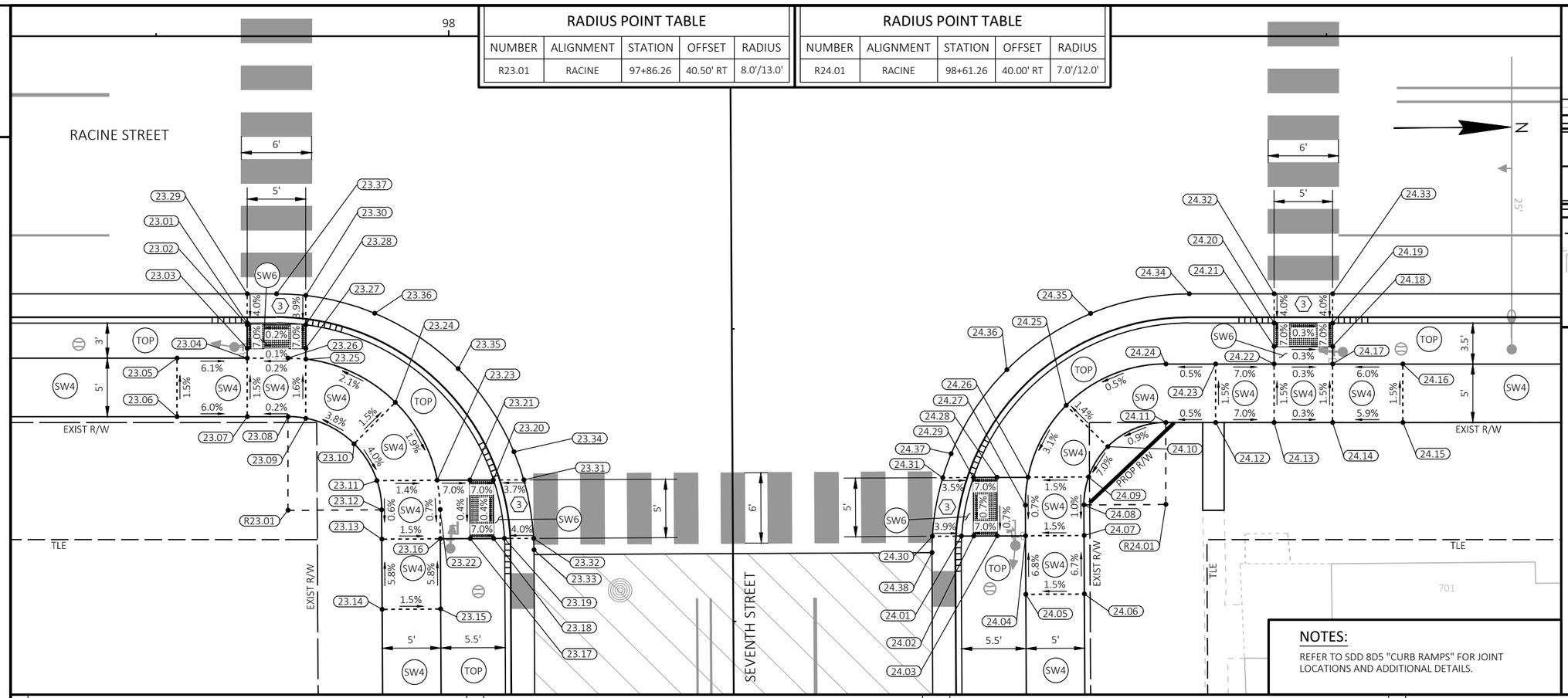
CURB RAMP - 22

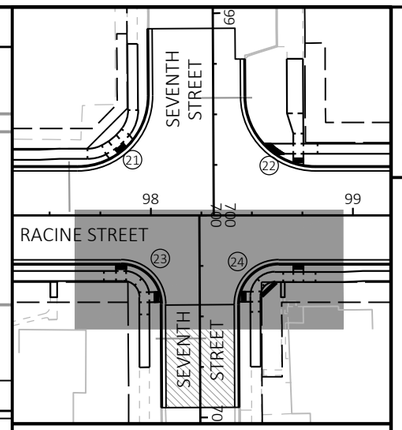
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
22.16	RACINE	98+65.74	30.50' LT	760.42	543610.66	817124.35
22.17	RACINE	98+70.50	30.50' LT	760.55	543615.42	817124.39
22.18	RACINE	98+70.51	28.25' LT	760.39	543615.41	817126.64
22.19	RACINE	98+70.52	26.25' LT	760.25	543615.40	817128.64
22.20	RACINE	98+75.54	22.46' LT	760.27	543620.38	817132.48
22.21	RACINE	98+70.54	23.62' LT	760.30	543615.39	817131.27
22.22	RACINE	98+57.76	30.50' LT	760.40	543602.68	817124.27
22.23	RACINE	98+52.78	35.50' LT	760.44	543597.75	817119.22
22.24	SEVENTH-WEST	699+41.25	13.50' LT	760.61	543589.55	817095.83
22.25	SEVENTH-WEST	699+55.37	16.30' LT	760.51	543592.28	817109.96
22.26	RACINE	98+55.26	32.77' LT	760.42	543600.20	817121.97
22.27	RACINE	98+67.24	24.80' LT	760.33	543612.11	817130.06
22.28	RACINE	98+81.36	22.00' LT	760.23	543626.20	817132.99

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 49 E

RADIUS POINT TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R23.01	RACINE	97+86.26	40.50' RT	8.0'/13.0'

RADIUS POINT TABLE				
NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R24.01	RACINE	98+61.26	40.00' RT	7.0'/12.0'





LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 23						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
23.01	RACINE	97+82.78	24.50' RT	760.35	543527.18	817178.56
23.02	RACINE	97+82.78	24.66' RT	760.36	543527.18	817178.72
23.03	RACINE	97+82.78	26.66' RT	760.50	543527.16	817180.72
23.04	RACINE	97+82.78	27.50' RT	760.56	543527.15	817181.56
23.05	RACINE	97+76.78	27.50' RT	760.92	543521.15	817181.50
23.06	RACINE	97+76.78	32.50' RT	761.00	543521.11	817186.50
23.07	RACINE	97+82.78	32.50' RT	760.64	543527.11	817186.56
23.08	RACINE	97+86.26	32.50' RT	760.65	543530.59	817186.59
23.09	RACINE	97+87.78	32.65' RT	760.65	543532.11	817186.75
23.10	RACINE	97+91.91	34.83' RT	760.91	543536.21	817188.97
23.11	SEVENTH-EAST	700+37.81	30.40' RT	760.76	543538.12	817192.12
23.12	SEVENTH-EAST	700+40.31	30.00' RT	760.74	543538.51	817194.63
23.13	SEVENTH-EAST	700+42.81	30.00' RT	760.73	543538.50	817197.13
23.14	SEVENTH-EAST	700+48.81	30.00' RT	761.08	543538.48	817203.13
23.15	SEVENTH-EAST	700+48.81	25.00' RT	761.00	543543.48	817203.15
23.16	SEVENTH-EAST	700+42.81	25.00' RT	760.65	543543.50	817197.15
23.17	SEVENTH-EAST	700+42.81	22.44' RT	760.47	543546.06	817197.16
23.18	SEVENTH-EAST	700+42.81	20.44' RT	760.33	543548.06	817197.17
23.19	SEVENTH-EAST	700+42.81	19.53' RT	760.32	543548.98	817197.17

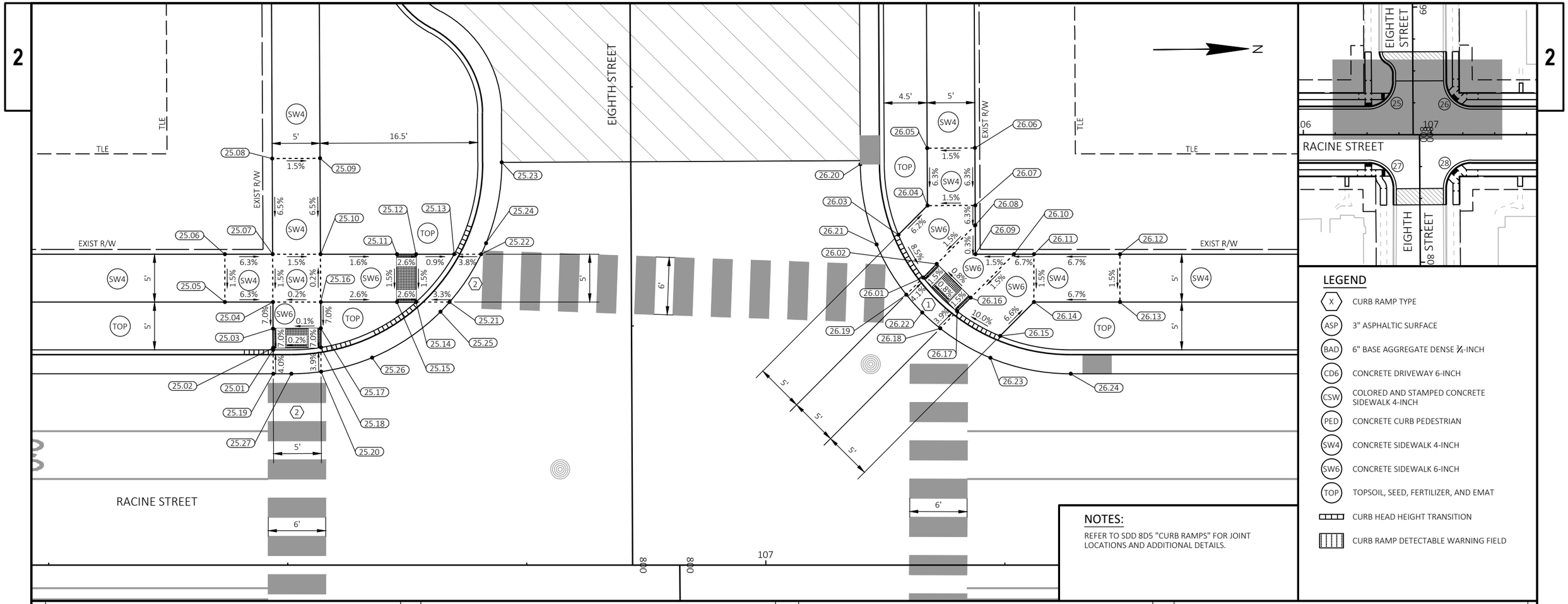
CURB RAMP - 23						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
23.20	SEVENTH-EAST	700+37.81	20.44' RT	760.35	543548.08	817192.17
23.21	SEVENTH-EAST	700+37.81	22.44' RT	760.49	543546.08	817192.16
23.22	SEVENTH-EAST	700+40.31	25.00' RT	760.66	543543.51	817194.65
23.23	SEVENTH-EAST	700+37.81	25.24' RT	760.69	543543.28	817192.15
23.24	RACINE	97+95.43	31.28' RT	760.84	543539.77	817185.46
23.25	RACINE	97+87.78	27.59' RT	760.58	543532.15	817181.69
23.26	RACINE	97+86.26	27.50' RT	760.57	543530.64	817181.59
23.27	RACINE	97+87.78	26.66' RT	760.51	543532.16	817180.77
23.28	RACINE	97+87.78	24.66' RT	760.37	543532.18	817178.77
23.29	RACINE	97+82.78	22.00' RT	760.41	543527.21	817176.06
23.30	RACINE	97+87.78	22.14' RT	760.43	543532.21	817176.25
23.31	SEVENTH-EAST	700+37.81	17.83' RT	760.41	543550.69	817192.18
23.32	SEVENTH-EAST	700+42.81	17.02' RT	760.38	543551.48	817197.18
23.33	SEVENTH-EAST	700+43.80	17.00' RT	760.37	543551.50	817198.18
23.34	SEVENTH-EAST	700+35.41	18.66' RT	760.42	543549.87	817189.78
23.35	RACINE	98+00.80	28.40' RT	760.47	543545.16	817182.63
23.36	RACINE	97+93.67	23.66' RT	760.45	543538.08	817177.83
23.37	RACINE	97+85.28	22.00' RT	760.42	543529.71	817176.08

CURB RAMP - 24						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
24.01	SEVENTH-EAST	700+42.81	19.53' LT	760.33	543588.03	817197.34
24.02	SEVENTH-EAST	700+42.81	20.58' LT	760.35	543589.08	817197.34
24.03	SEVENTH-EAST	700+42.81	22.58' LT	760.49	543591.08	817197.35
24.04	SEVENTH-EAST	700+42.81	25.00' LT	760.66	543593.50	817197.36
24.05	SEVENTH-EAST	700+47.81	25.00' LT	761.00	543593.48	817202.36
24.06	SEVENTH-EAST	700+47.81	30.00' LT	761.07	543598.48	817202.38
24.07	SEVENTH-EAST	700+42.81	30.00' LT	760.73	543598.50	817197.38
24.08	SEVENTH-EAST	700+40.19	30.00' LT	760.76	543598.51	817194.77
24.09	SEVENTH-EAST	700+37.81	30.42' LT	760.79	543598.94	817192.39
24.10	RACINE	98+56.30	35.06' RT	761.00	543600.60	817189.82
24.11	RACINE	98+61.26	33.00' RT	761.05	543605.58	817187.80
24.12	RACINE	98+65.52	33.00' RT	761.07	543609.84	817187.84
24.13	RACINE	98+70.52	33.00' RT	760.72	543614.84	817187.89
24.14	RACINE	98+75.52	33.00' RT	760.71	543619.84	817187.93
24.15	RACINE	98+81.52	33.00' RT	761.07	543625.84	817187.99
24.16	RACINE	98+81.52	28.00' RT	760.99	543625.89	817182.99
24.17	RACINE	98+75.52	28.00' RT	760.63	543619.89	817182.94
24.18	RACINE	98+75.52	26.50' RT	760.53	543619.90	817181.44
24.19	RACINE	98+75.52	24.50' RT	760.39	543619.92	817179.44

CURB RAMP - 24						
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
24.20	RACINE	98+70.52	24.50' RT	760.40	543614.92	817179.39
24.21	RACINE	98+70.52	26.50' RT	760.54	543614.90	817181.39
24.22	RACINE	98+70.52	28.00' RT	760.65	543614.89	817182.89
24.23	RACINE	98+65.52	28.00' RT	761.00	543609.89	817182.84
24.24	RACINE	98+61.26	28.00' RT	760.98	543605.63	817182.80
24.25	RACINE	98+52.75	31.54' RT	760.93	543597.09	817186.26
24.26	SEVENTH-EAST	700+37.81	25.24' LT	760.71	543593.76	817192.36
24.27	SEVENTH-EAST	700+40.19	25.00' LT	760.68	543593.51	817194.75
24.28	SEVENTH-EAST	700+37.81	22.58' LT	760.53	543591.10	817192.35
24.29	SEVENTH-EAST	700+37.81	20.58' LT	760.39	543589.10	817192.34
24.30	SEVENTH-EAST	700+42.81	17.04' LT	760.39	543585.55	817197.33
24.31	SEVENTH-EAST	700+37.81	17.95' LT	760.44	543586.47	817192.33
24.32	RACINE	98+70.52	22.00' RT	760.46	543614.94	817176.89
24.33	RACINE	98+75.52	22.00' RT	760.45	543619.94	817176.94
24.34	RACINE	98+63.27	22.00' RT	760.49	543607.69	817176.82
24.35	RACINE	98+54.83	23.69' RT	760.51	543599.23	817178.43
24.36	RACINE	98+47.69	28.48' RT	760.54	543592.05	817183.16
24.37	SEVENTH-EAST	700+35.76	18.69' LT	760.46	543587.22	817190.29
24.38	SEVENTH-EAST	700+44.20	17.00' LT	760.38	543585.50	817198.72

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 50	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-11
PLOT DATE : 7/31/2024 9:07 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 25

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
25.01	RACINE	106+48.47	22.51' LT	761.27	544393.27	817139.74
25.02	RACINE	106+48.47	22.72' LT	761.29	544393.27	817139.52
25.03	RACINE	106+48.46	24.72' LT	761.43	544393.28	817137.52
25.04	RACINE	106+48.44	27.50' LT	761.62	544393.30	817134.74
25.05	RACINE	106+43.42	27.50' LT	761.94	544388.27	817134.70
25.06	RACINE	106+43.42	32.50' LT	762.01	544388.32	817129.70
25.07	RACINE	106+48.42	32.50' LT	761.70	544393.32	817129.74
25.08	EIGHTH-WEST	799+57.32	37.50' RT	762.35	544393.37	817119.74
25.09	EIGHTH-WEST	799+57.32	32.50' RT	762.28	544398.37	817119.77
25.10	RACINE	106+53.42	32.50' LT	761.62	544398.32	817129.79
25.11	RACINE	106+61.41	32.50' LT	761.49	544406.31	817129.87
25.12	RACINE	106+63.41	32.50' LT	761.44	544408.31	817129.88
25.13	RACINE	106+67.40	32.50' LT	761.41	544412.31	817129.92
25.14	RACINE	106+63.41	27.50' LT	761.37	544408.27	817134.88
25.15	RACINE	106+61.41	27.50' LT	761.42	544406.27	817134.87
25.16	RACINE	106+53.44	27.50' LT	761.63	544398.30	817134.79
25.17	RACINE	106+53.46	24.75' LT	761.44	544398.28	817137.54

CURB RAMP - 25

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
25.18	RACINE	106+53.47	22.75' LT	761.30	544398.27	817139.54
25.19	RACINE	106+48.48	20.00' LT	761.33	544393.26	817142.24
25.20	RACINE	106+53.48	20.22' LT	761.35	544398.26	817142.07
25.21	RACINE	106+66.92	27.50' LT	761.44	544411.77	817134.92
25.22	RACINE	106+70.22	32.50' LT	761.47	544415.12	817129.95
25.23	EIGHTH-WEST	799+57.83	13.50' RT	761.53	544417.37	817120.37
25.24	EIGHTH-WEST	799+66.28	15.18' RT	761.48	544415.64	817128.80
25.25	RACINE	106+65.97	26.48' LT	761.43	544410.81	817135.93
25.26	RACINE	106+58.82	21.68' LT	761.38	544403.62	817140.66
25.27	RACINE	106+50.38	20.00' LT	761.34	544395.16	817142.26

CURB RAMP - 26

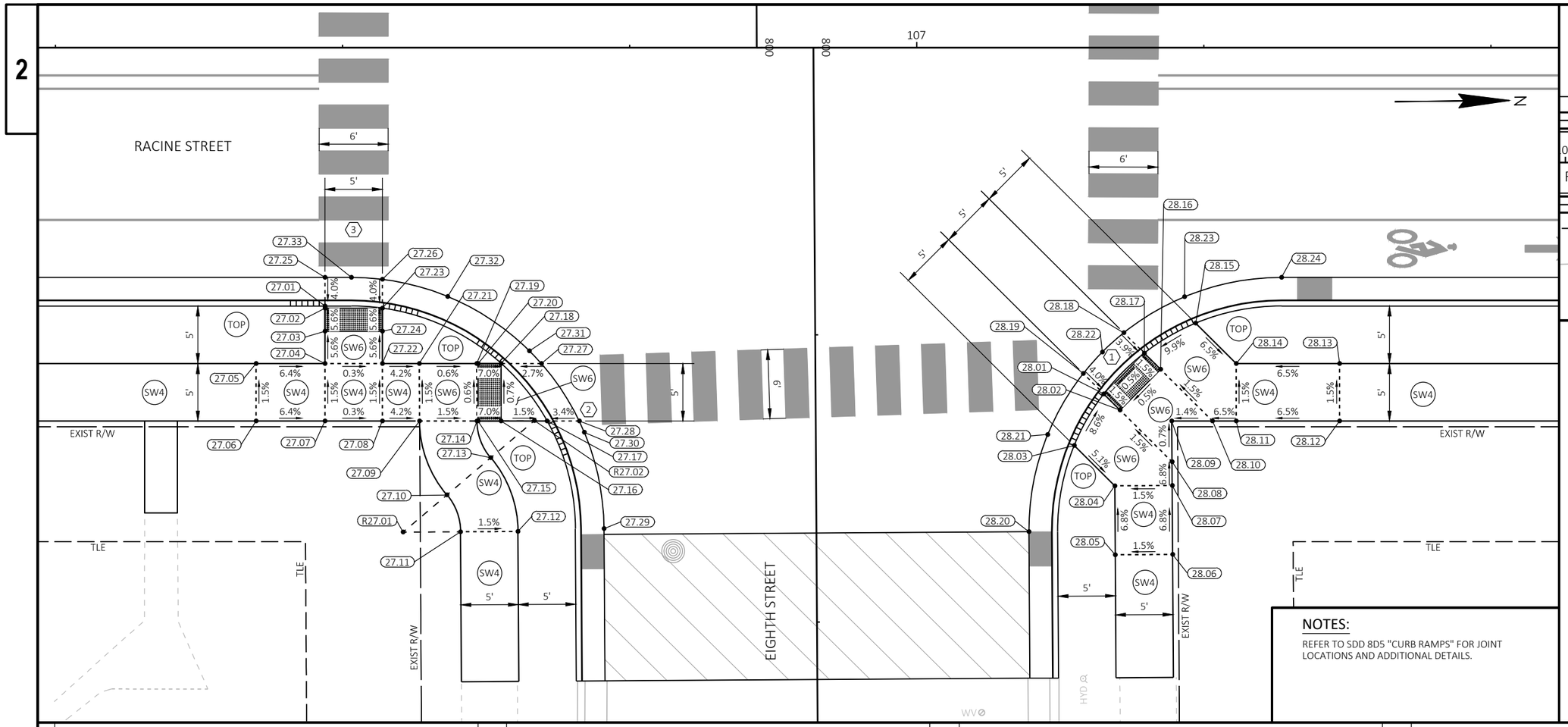
POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
26.01	RACINE	107+16.46	30.06' LT	761.38	544461.34	817132.83
26.02	RACINE	107+17.87	31.47' LT	761.41	544462.76	817131.43
26.03	EIGHTH-WEST	799+65.60	27.95' LT	761.82	544458.78	817128.33
26.04	EIGHTH-WEST	799+62.56	31.00' LT	761.56	544461.84	817125.31
26.05	EIGHTH-WEST	799+56.56	31.00' LT	761.94	544461.87	817119.31
26.06	EIGHTH-WEST	799+56.56	36.00' LT	762.01	544466.87	817119.33
26.07	EIGHTH-WEST	799+62.56	36.00' LT	761.63	544466.84	817125.33
26.08	EIGHTH-WEST	799+64.64	36.00' LT	761.50	544466.83	817127.41
26.09	RACINE	107+21.92	32.50' LT	761.49	544466.82	817130.44
26.10	RACINE	107+25.95	32.50' LT	761.55	544470.85	817130.48
26.11	RACINE	107+28.03	32.50' LT	761.69	544472.92	817130.50
26.12	RACINE	107+37.03	32.50' LT	762.29	544481.92	817130.58
26.13	RACINE	107+37.03	27.50' LT	762.22	544481.88	817135.58
26.14	RACINE	107+28.03	27.50' LT	761.61	544472.88	817135.50
26.15	RACINE	107+24.49	23.95' LT	761.94	544469.31	817139.01
26.16	RACINE	107+21.42	27.95' LT	761.45	544466.27	817134.99
26.17	RACINE	107+20.01	26.53' LT	761.42	544464.85	817136.39

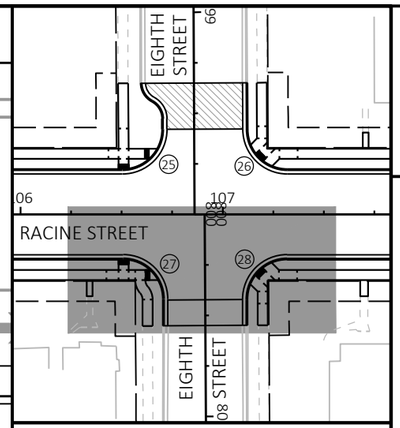
CURB RAMP - 26

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
26.18	RACINE	107+18.23	24.74' LT	761.48	544463.05	817138.16
26.19	RACINE	107+14.68	28.27' LT	761.45	544459.54	817134.60
26.20	EIGHTH-WEST	799+58.22	24.00' LT	761.35	544454.86	817120.93
26.21	EIGHTH-WEST	799+66.61	25.66' LT	761.41	544456.49	817129.33
26.22	RACINE	107+16.36	26.41' LT	761.46	544461.20	817136.48
26.23	RACINE	107+23.48	21.66' LT	761.52	544468.28	817141.29
26.24	RACINE	107+31.88	20.00' LT	761.58	544476.66	817143.03

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CURB RAMP DETAILS	SHEET 51	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-021301-CR.DWG
LAYOUT NAME - Sheet-12
PLOT DATE : 7/31/2024 9:08 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42





LEGEND

- X — CURB RAMP TYPE
- ASP — 3" ASPHALTIC SURFACE
- BAD — 6" BASE AGGREGATE DENSE ¾-INCH
- CD6 — CONCRETE DRIVEWAY 6-INCH
- CSW — COLORED AND STAMPED CONCRETE SIDEWALK 4-INCH
- PED — CONCRETE CURB PEDESTRIAN
- SW4 — CONCRETE SIDEWALK 4-INCH
- SW6 — CONCRETE SIDEWALK 6-INCH
- TOP — TOPSOIL, SEED, FERTILIZER, AND EMAT
- CURB HEAD HEIGHT TRANSITION
- CURB RAMP DETECTABLE WARNING FIELD

NOTES:

REFER TO SDD 8D5 "CURB RAMPS" FOR JOINT LOCATIONS AND ADDITIONAL DETAILS.

CURB RAMP - 27

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
27.01	RACINE	106+48.46	22.50' RT	761.39	544392.84	817184.74
27.02	RACINE	106+48.46	22.69' RT	761.40	544392.84	817184.93
27.03	RACINE	106+48.46	24.69' RT	761.51	544392.82	817186.93
27.04	RACINE	106+48.46	27.50' RT	761.67	544392.80	817189.74
27.05	RACINE	106+42.46	27.50' RT	762.05	544386.80	817189.68
27.06	RACINE	106+42.46	32.50' RT	762.13	544386.75	817194.68
27.07	RACINE	106+48.46	32.50' RT	761.75	544392.75	817194.74
27.08	RACINE	106+53.46	32.50' RT	761.73	544397.75	817194.79
27.09	RACINE	106+56.71	32.50' RT	761.60	544400.99	817194.82
27.10	EIGHTH-EAST	800+38.74	32.17' RT	761.82	544403.31	817201.28
27.11	EIGHTH-EAST	800+41.95	31.00' RT	761.93	544404.46	817204.49
27.12	EIGHTH-EAST	800+41.95	26.00' RT	761.85	544409.46	817204.51
27.13	EIGHTH-EAST	800+35.53	28.33' RT	761.63	544407.15	817198.08
27.14	RACINE	106+61.71	32.50' RT	761.52	544405.99	817194.87
27.15	RACINE	106+61.80	32.50' RT	761.51	544406.09	817194.87
27.16	RACINE	106+63.80	32.50' RT	761.37	544408.09	817194.89
27.17	RACINE	106+67.79	32.50' RT	761.31	544412.08	817194.92

CURB RAMP - 27

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
27.18	RACINE	106+63.80	27.50' RT	761.34	544408.14	817189.89
27.19	RACINE	106+61.68	27.50' RT	761.49	544406.01	817189.86
27.20	RACINE	106+61.80	27.50' RT	761.48	544406.14	817189.87
27.21	RACINE	106+56.68	27.50' RT	761.52	544401.01	817189.82
27.22	RACINE	106+53.46	27.50' RT	761.66	544397.80	817189.79
27.23	RACINE	106+53.46	22.69' RT	761.39	544397.84	817184.98
27.24	RACINE	106+53.46	24.69' RT	761.50	544397.82	817186.98
27.25	RACINE	106+48.46	20.00' RT	761.45	544392.87	817182.24
27.26	RACINE	106+53.46	20.17' RT	761.45	544397.87	817182.45
27.27	RACINE	106+67.31	27.50' RT	761.39	544411.64	817189.92
27.28	RACINE	106+70.61	32.50' RT	761.37	544414.89	817194.95
27.29	EIGHTH-EAST	800+41.75	18.50' RT	761.33	544416.96	817204.33
27.30	EIGHTH-EAST	800+33.36	20.16' RT	761.37	544415.33	817195.94
27.31	RACINE	106+66.27	26.40' RT	761.40	544410.62	817188.80
27.32	RACINE	106+59.15	21.66' RT	761.43	544403.54	817184.00
27.33	RACINE	106+50.77	20.00' RT	761.46	544395.17	817182.26

CURB RAMP - 28

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
28.01	RACINE	107+16.29	30.14' RT	761.54	544460.59	817193.02
28.02	RACINE	107+17.71	31.55' RT	761.57	544462.00	817194.45
28.03	EIGHTH-EAST	800+34.77	22.49' LT	761.99	544457.98	817197.49
28.04	EIGHTH-EAST	800+38.30	26.00' LT	761.73	544461.47	817201.03
28.05	EIGHTH-EAST	800+44.30	26.00' LT	762.14	544461.45	817207.03
28.06	EIGHTH-EAST	800+44.30	31.00' LT	762.22	544466.45	817207.05
28.07	EIGHTH-EAST	800+38.30	31.00' LT	761.81	544466.47	817201.05
28.08	EIGHTH-EAST	800+36.24	31.00' LT	761.67	544466.48	817198.98
28.09	RACINE	107+22.21	32.50' RT	761.64	544466.49	817195.44
28.10	RACINE	107+25.75	32.50' RT	761.69	544470.04	817195.47
28.11	RACINE	107+27.82	32.50' RT	761.82	544472.10	817195.49
28.12	RACINE	107+36.82	32.50' RT	762.41	544481.10	817195.58
28.13	RACINE	107+36.82	27.50' RT	762.34	544481.15	817190.58
28.14	RACINE	107+27.82	27.50' RT	761.75	544472.15	817190.49
28.15	RACINE	107+24.29	23.99' RT	762.08	544468.65	817186.95
28.16	RACINE	107+21.23	28.00' RT	761.59	544465.56	817190.93
28.17	RACINE	107+19.81	26.59' RT	761.56	544464.15	817189.51

CURB RAMP - 28

POINT NO.	ALIGNMENT	STATION	OFFSET	ELEVATION	NORTHING	EASTING
28.18	RACINE	107+18.03	24.82' RT	761.62	544462.38	817187.72
28.19	RACINE	107+14.50	28.37' RT	761.60	544458.82	817191.23
28.20	RACINE	107+09.77	42.14' RT	761.52	544453.96	817204.96
28.21	EIGHTH-EAST	800+33.80	20.19' LT	761.57	544455.68	817196.51
28.22	EIGHTH-EAST	800+26.65	24.99' LT	761.61	544460.50	817189.37
28.23	RACINE	107+23.32	21.69' RT	761.66	544467.70	817184.64
28.24	RACINE	107+31.77	20.00' RT	761.70	544476.17	817183.03

RADIUS POINT TABLE

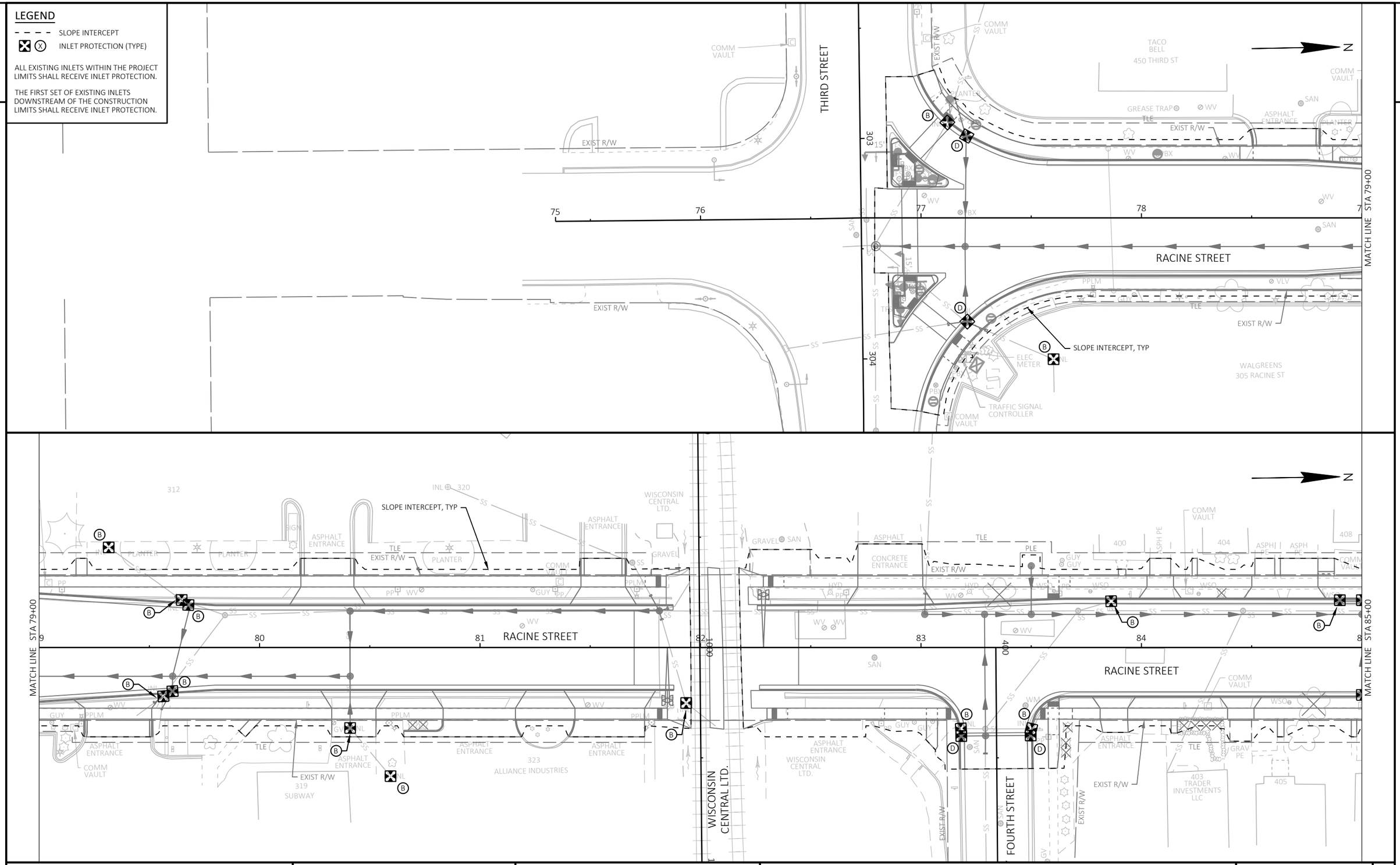
NUMBER	ALIGNMENT	STATION	OFFSET	RADIUS
R27.01	EIGHTH-EAST	800+41.95	36.00' RT	5.0'/10.0'
R27.02	EIGHTH-EAST	800+32.32	24.50' RT	5.0'/10.0'

LEGEND

- SLOPE INTERCEPT
- INLET PROTECTION (TYPE)

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

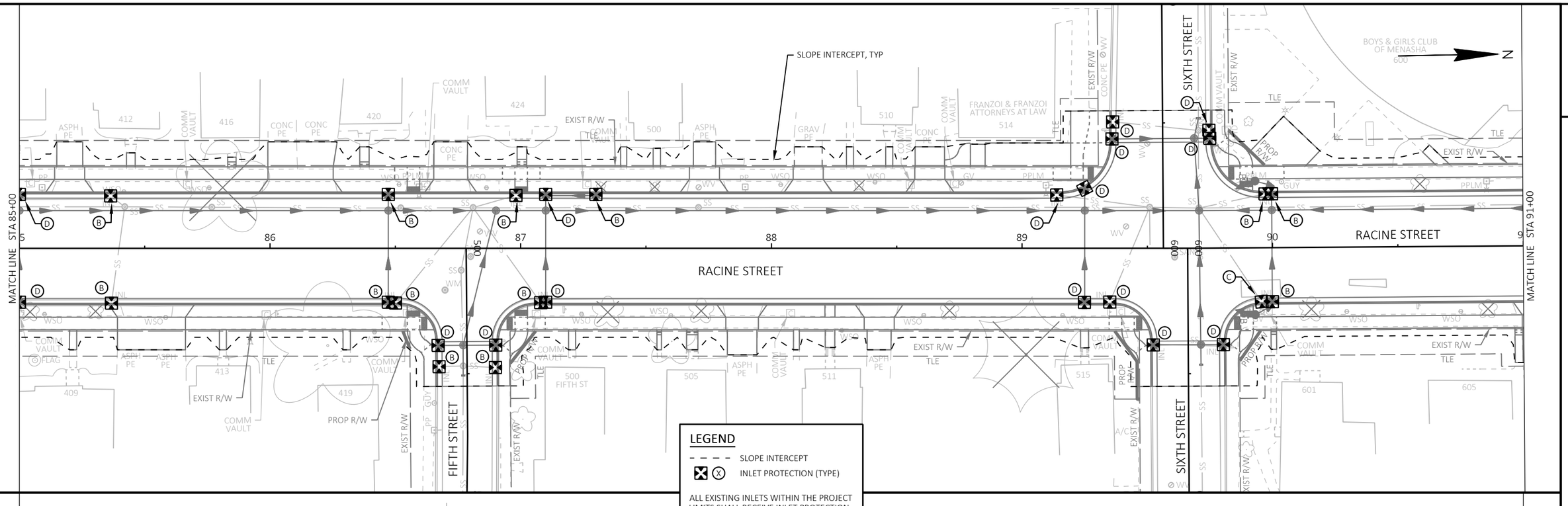
THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

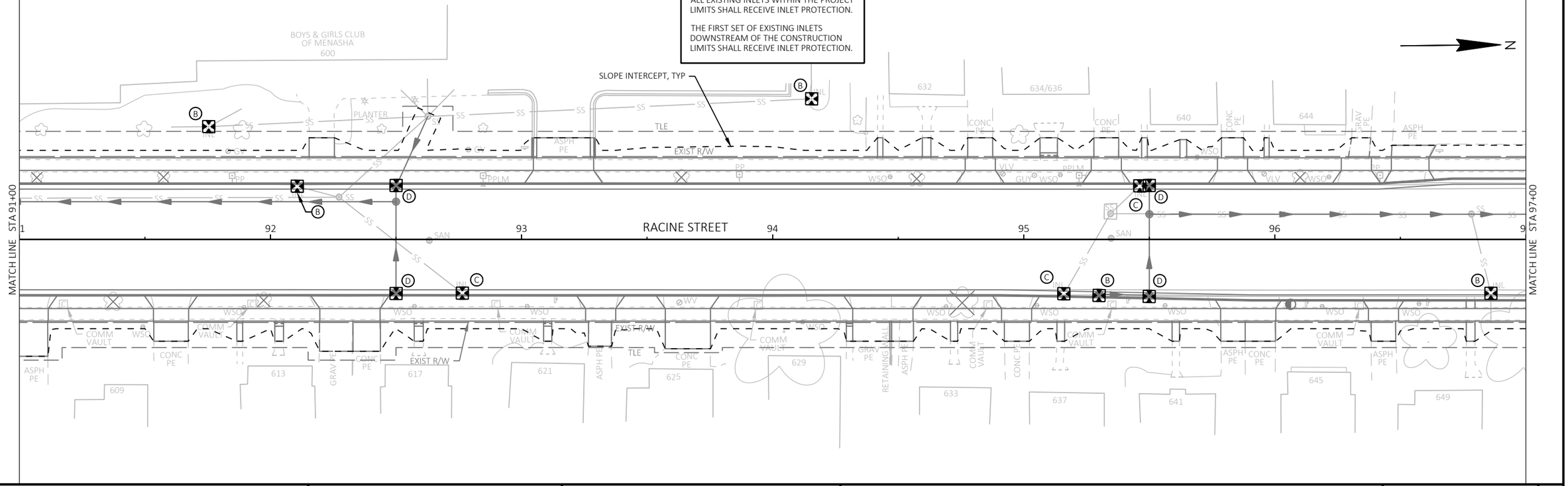


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET 53	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022001-EC.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 8/6/2024 2:36 PM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT


SLOPE INTERCEPT, TYP
EXIST R/W
TLE
SIXTH STREET
BOYS & GIRLS CLUB OF MENASHA
600
FRANZOI & FRANZOI ATTORNEYS AT LAW
514
PROP R/W
RACINE STREET
MATCH LINE STA 85+00
MATCH LINE STA 91+00
FIFTH STREET
500 FIFTH ST
EXIST R/W
PROP R/W
LEGEND
SLOPE INTERCEPT
INLET PROTECTION (TYPE)
ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.
THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.


SLOPE INTERCEPT, TYP
BOYS & GIRLS CLUB OF MENASHA
600
RACINE STREET
MATCH LINE STA 91+00
MATCH LINE STA 97+00
EXIST R/W
TLE

2

N

ST. TIMOTHY EV LUTHERAN CONGREGATION
473 SEVENTH ST

MENASHA HIGH SCHOOL
420 SEVENTH ST

SEVENTH STREET

669

EXIST R/W

SLOPE INTERCEPT, TYP

TRAFFIC SIGNAL CONTROLER

PLANTER

TLE

EXIST R/W

MATCH LINE STA 97+00

MATCH LINE STA 103+00

RACINE STREET

RACINE STREET

PROP R/W

EXIST R/W

SEVENTH STREET

505 SEVENTH ST

508 SEVENTH ST

653

701

709

713

717

723

729

LEGEND

- - - - SLOPE INTERCEPT

INLET PROTECTION (TYPE)

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

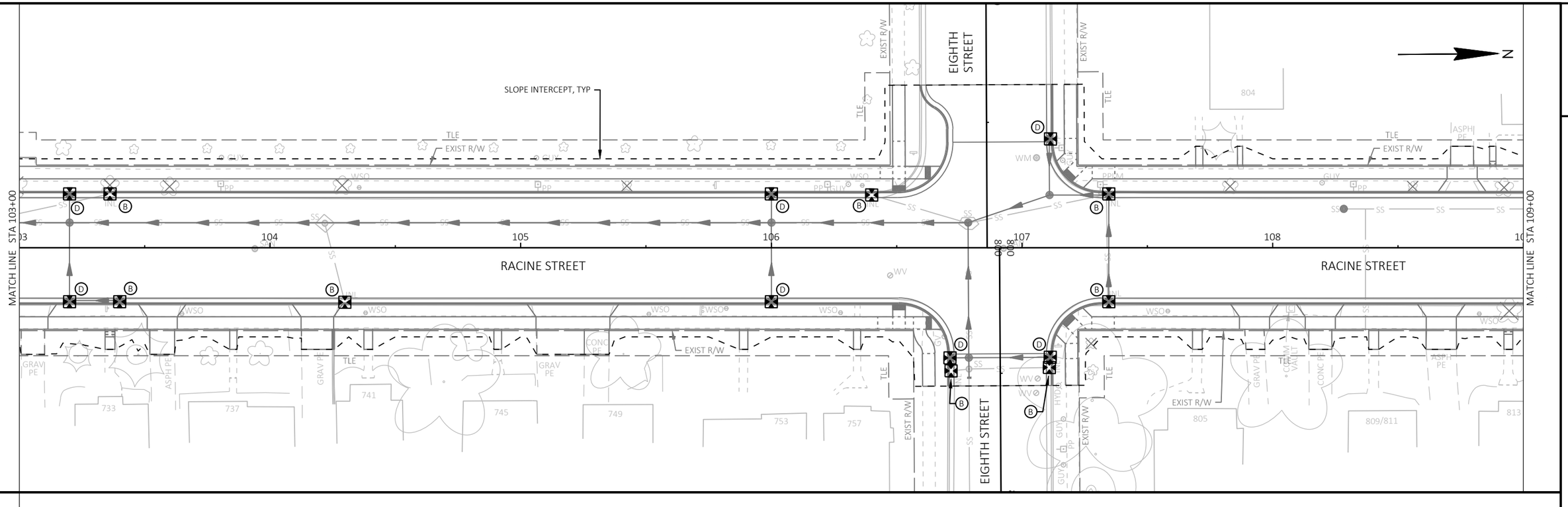
THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

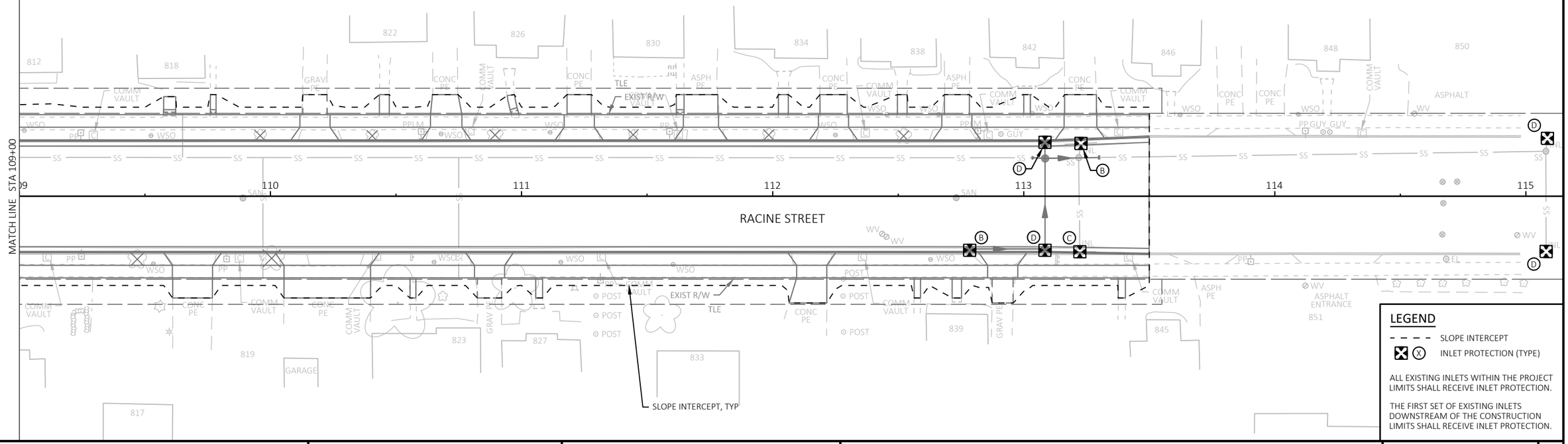
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET 55	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022001-EC.DWG
LAYOUT NAME - Sheet-03

PLOT DATE : 7/31/2024 10:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2





LEGEND

- SLOPE INTERCEPT
- INLET PROTECTION (TYPE)

ALL EXISTING INLETS WITHIN THE PROJECT LIMITS SHALL RECEIVE INLET PROTECTION.

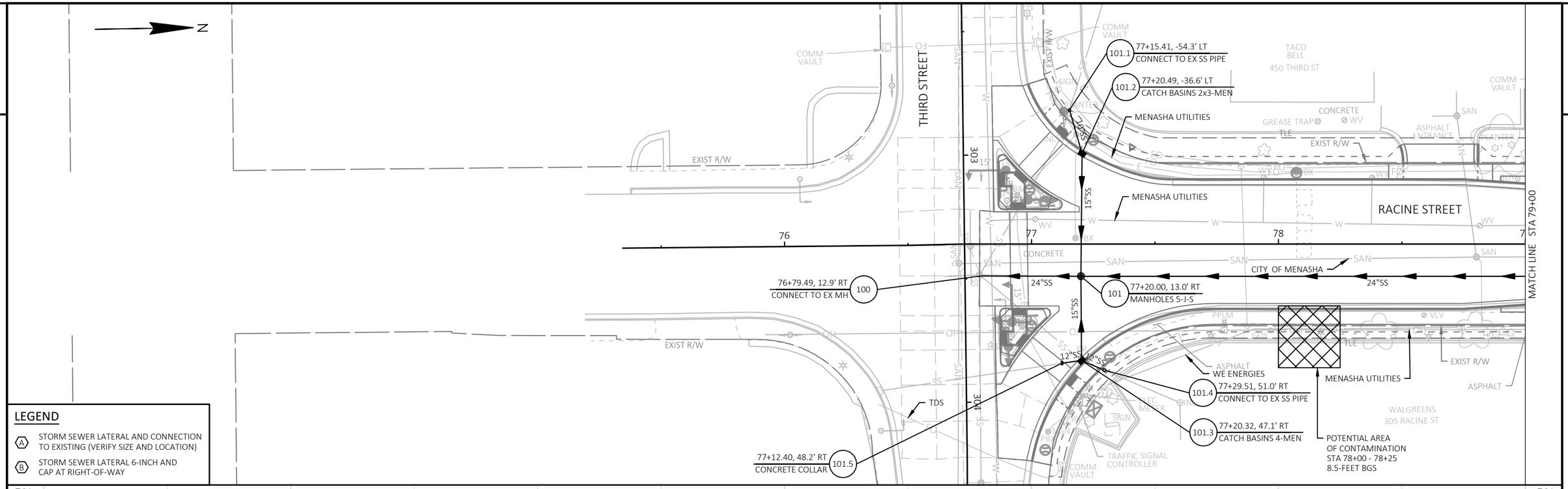
THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE CONSTRUCTION LIMITS SHALL RECEIVE INLET PROTECTION.

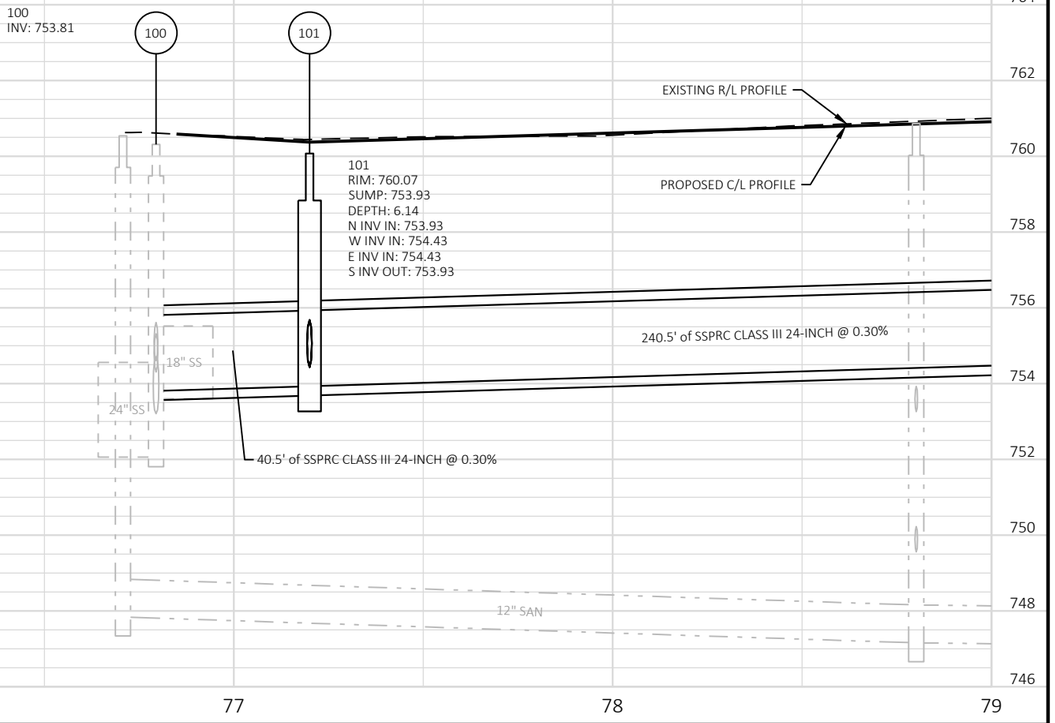
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	EROSION CONTROL PLAN	SHEET 56	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022001-EC.DWG
LAYOUT NAME - Sheet-04

PLOT DATE : 7/31/2024 10:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

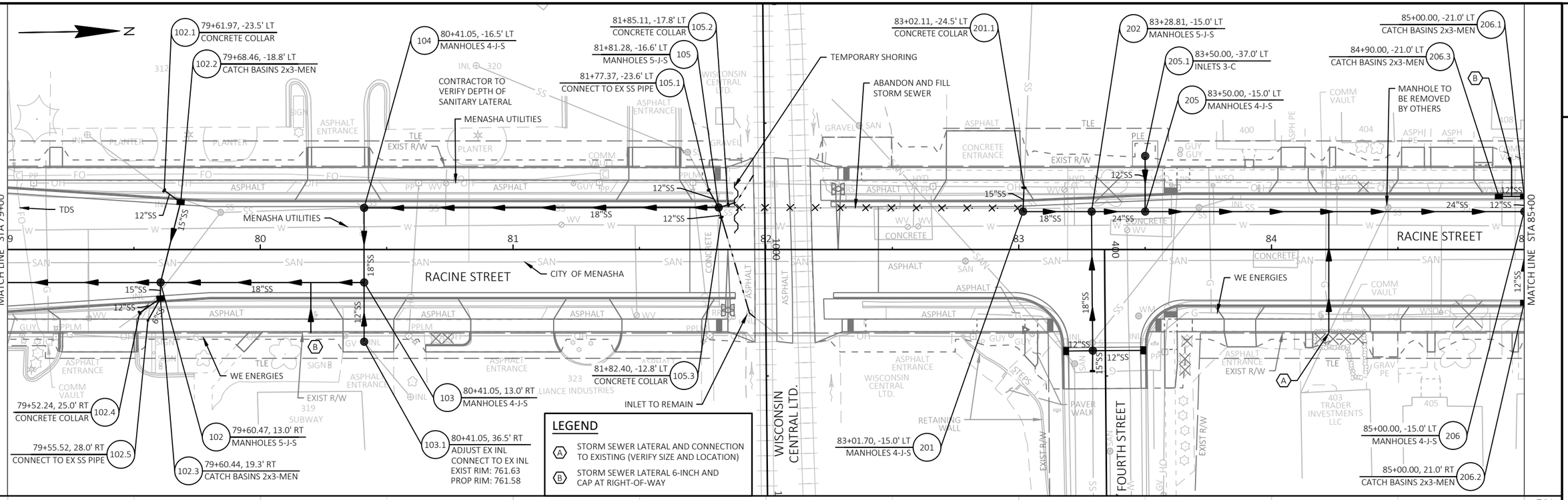
WISDOT/CADDS SHEET 44

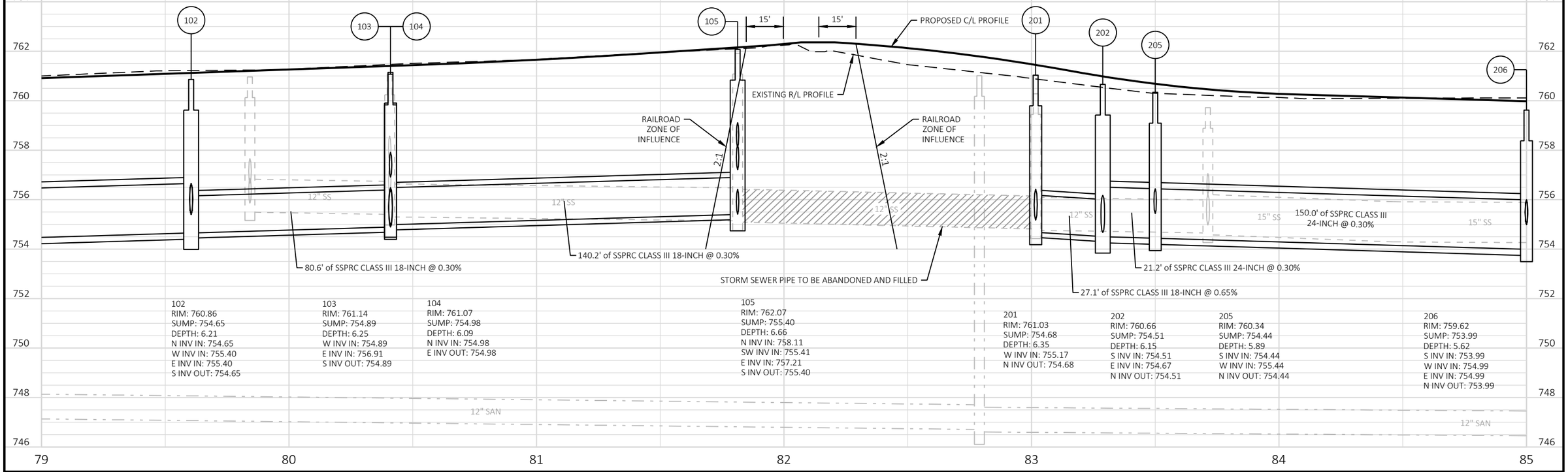




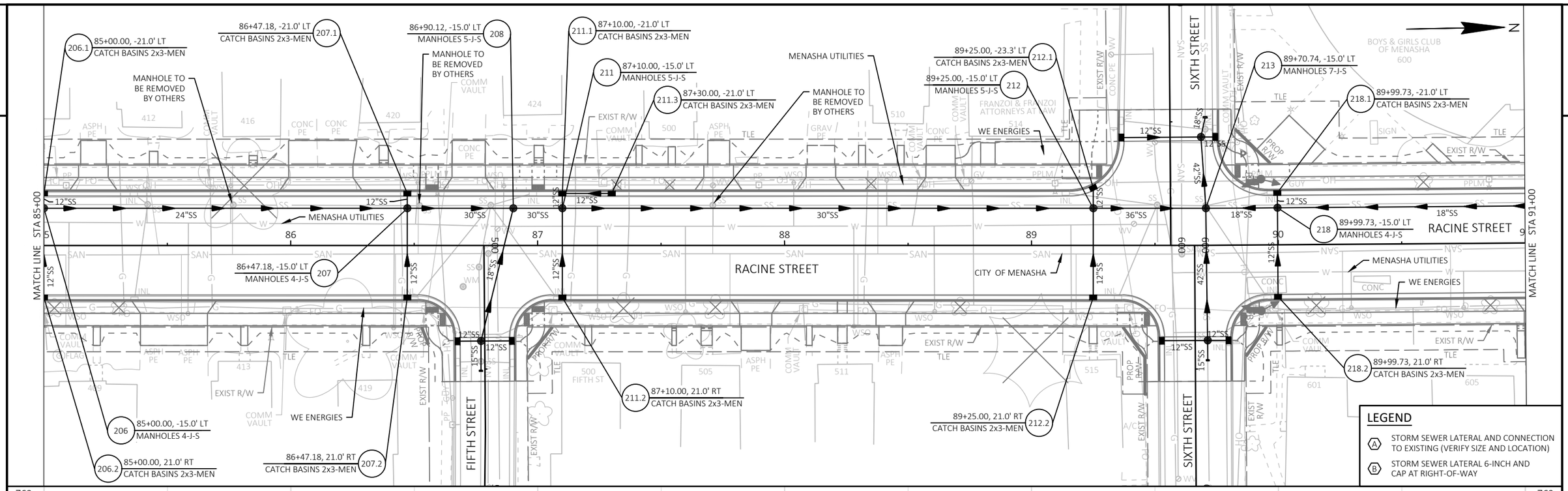
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 57	E

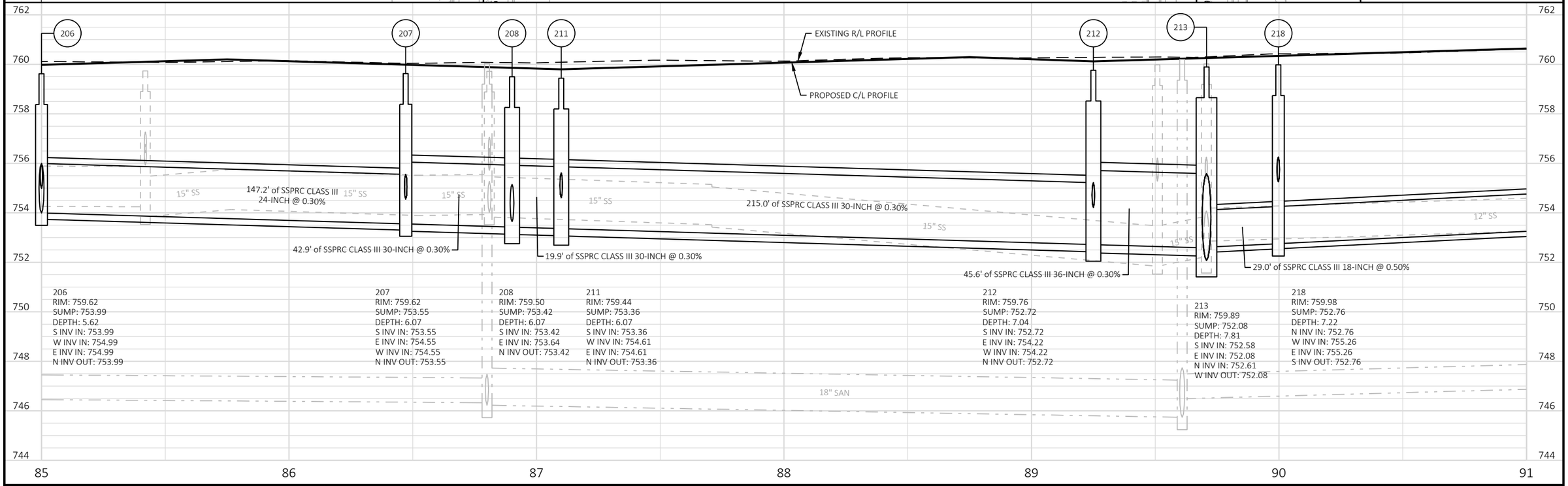
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022501-SS.DWG
LAYOUT NAME - Sheet-01
PLOT DATE : 7/31/2024 10:26 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





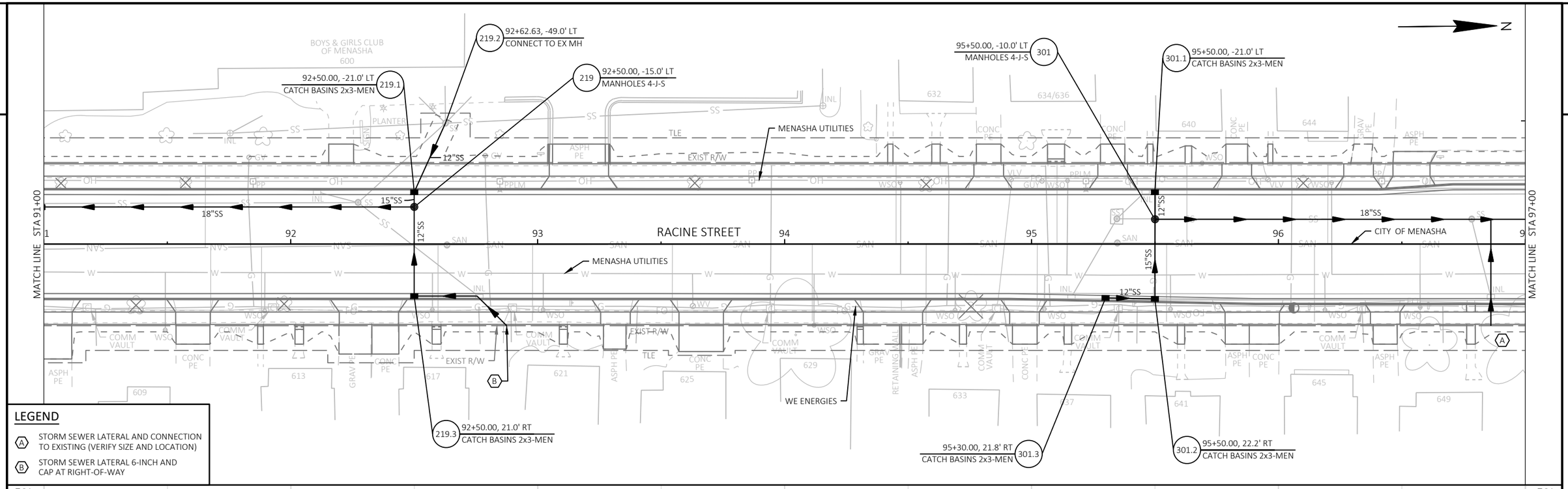
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 58	E

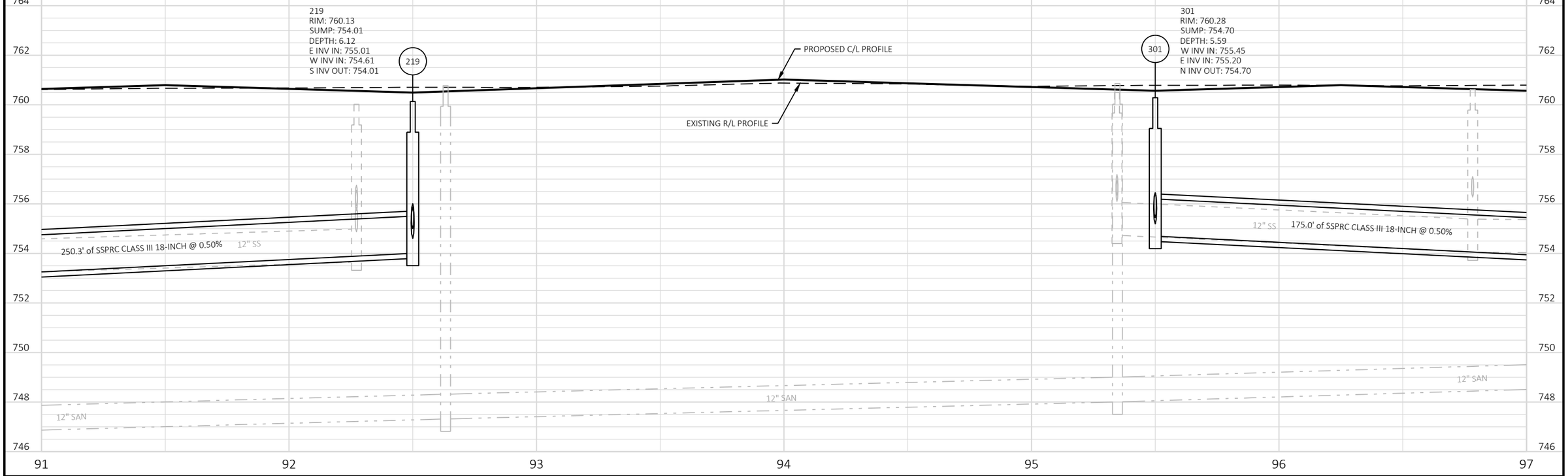




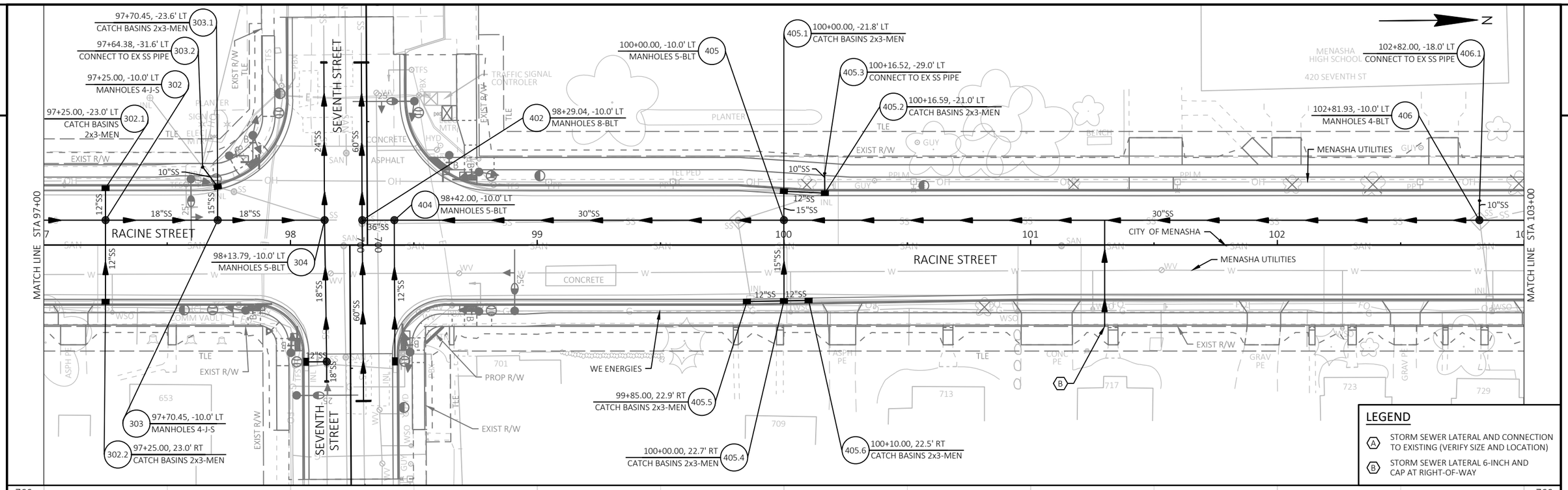
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 59 E

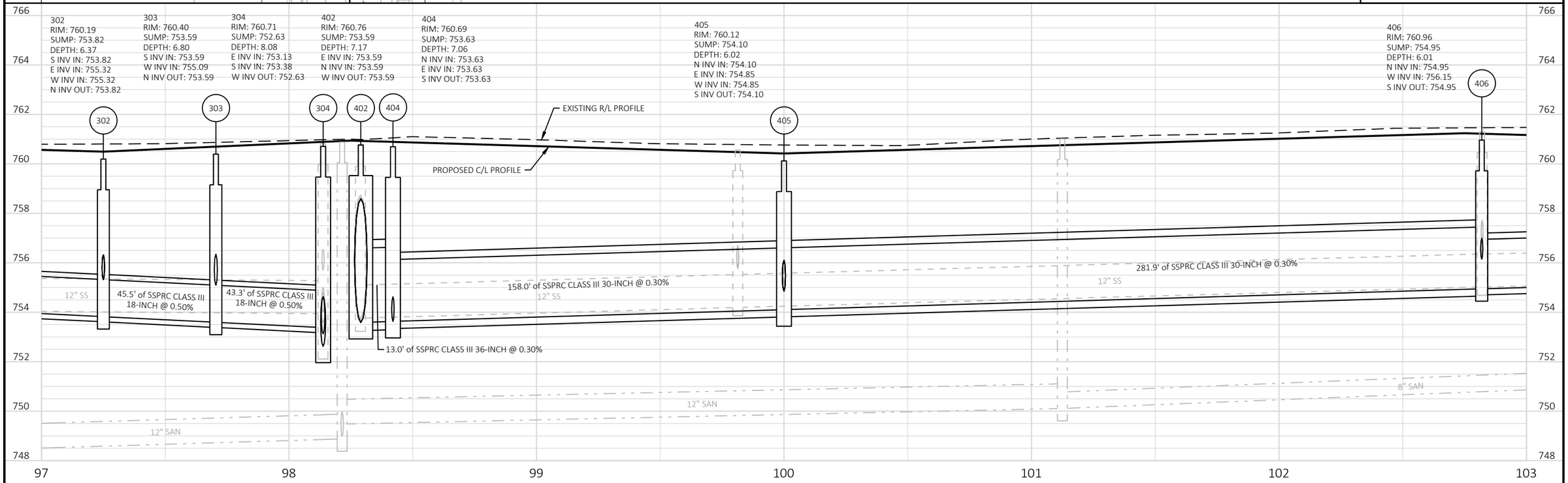
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022501-SS.DWG
LAYOUT NAME - Sheet-03
PLOT DATE : 7/31/2024 9:09 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





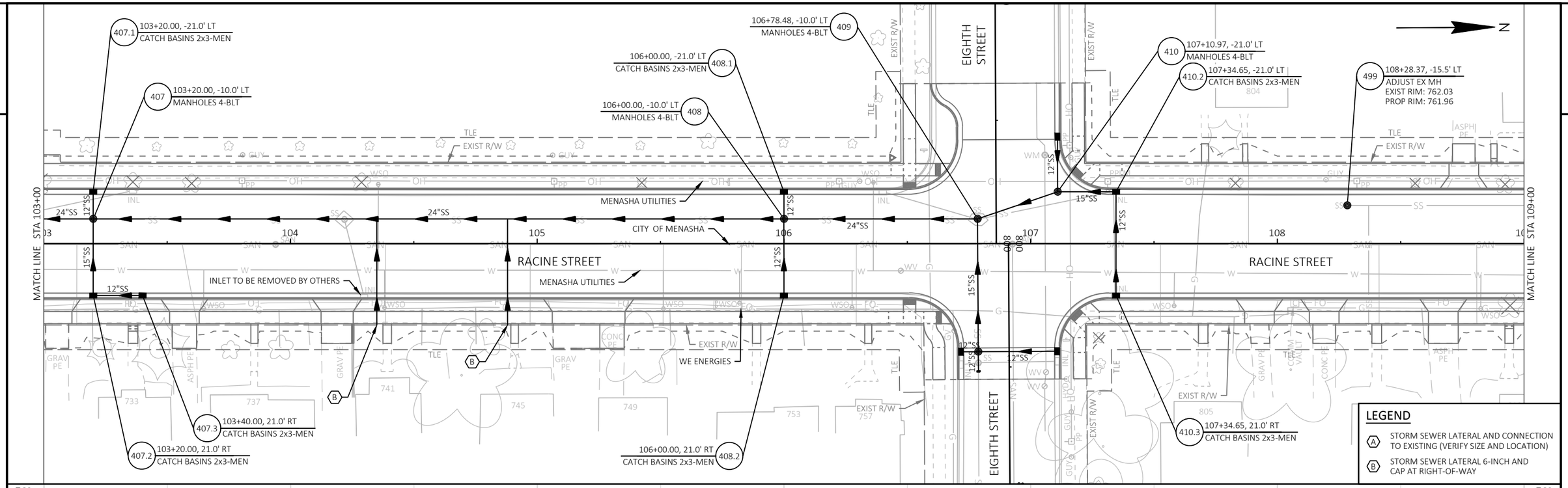
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 60	E

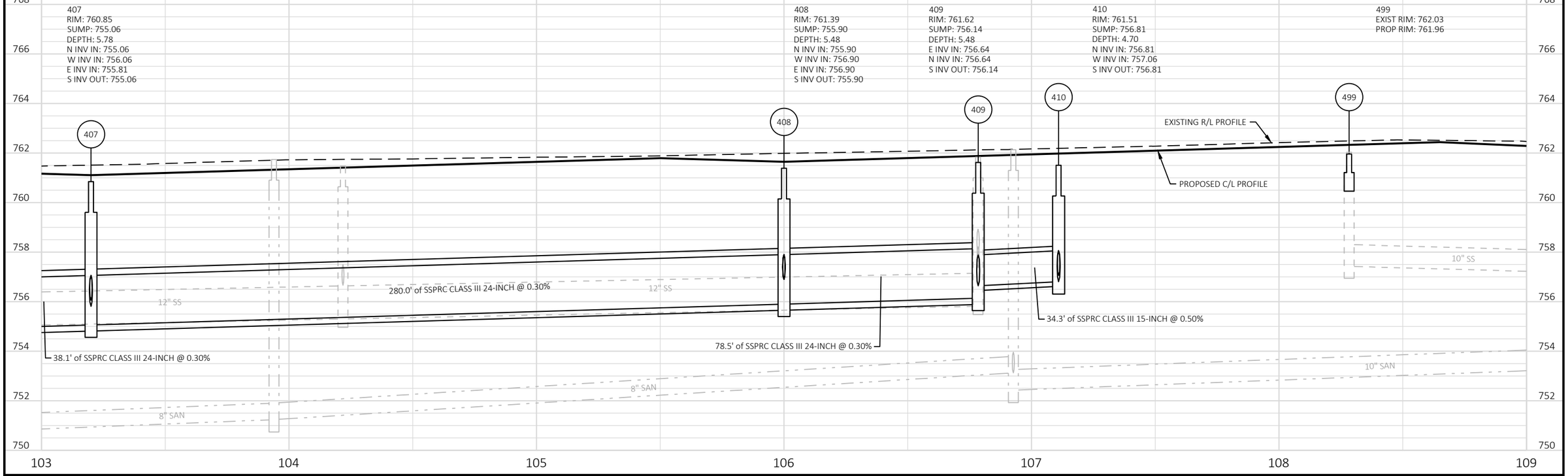




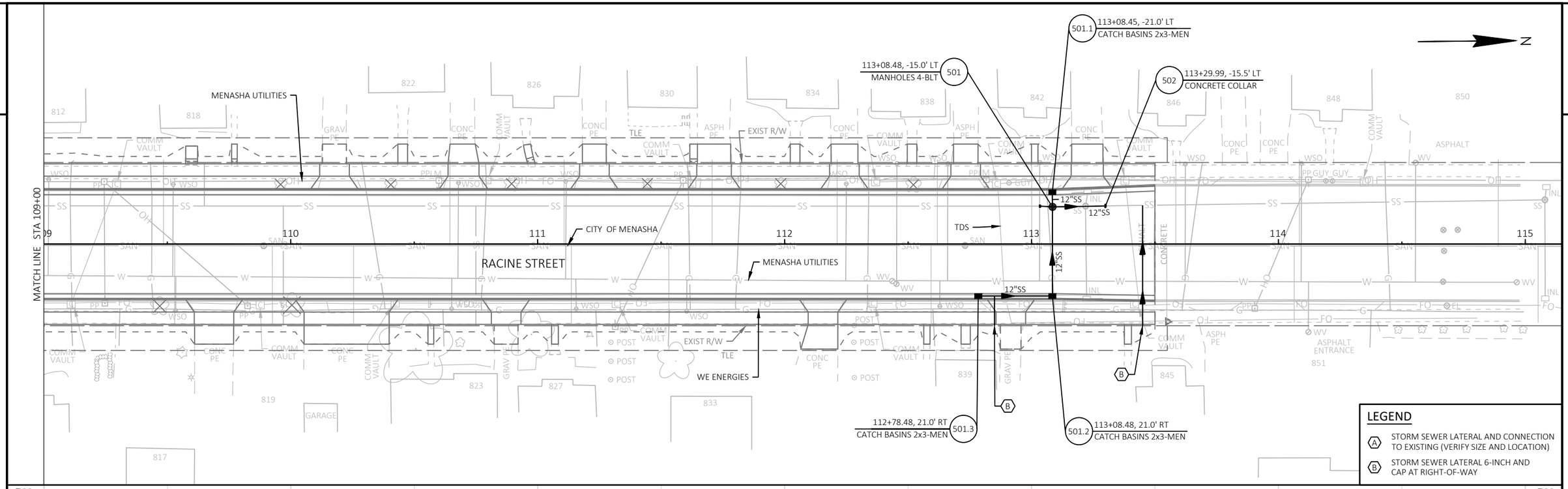
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 61 E

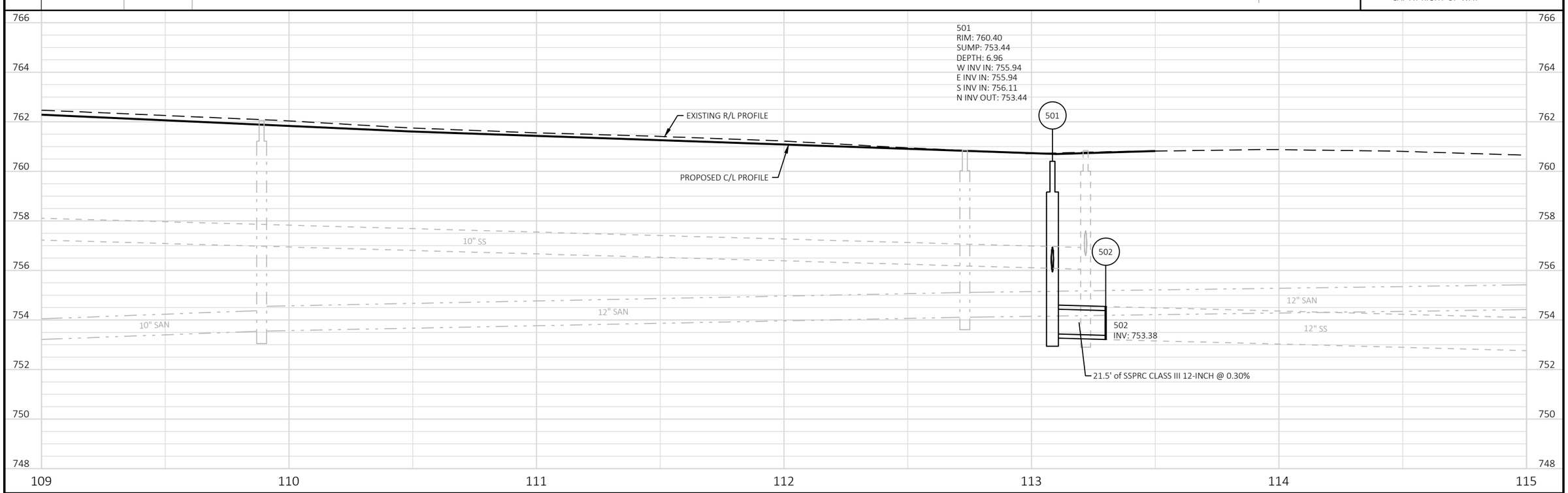
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022501-SS.DWG
LAYOUT NAME - Sheet-05
PLOT DATE : 7/31/2024 10:26 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





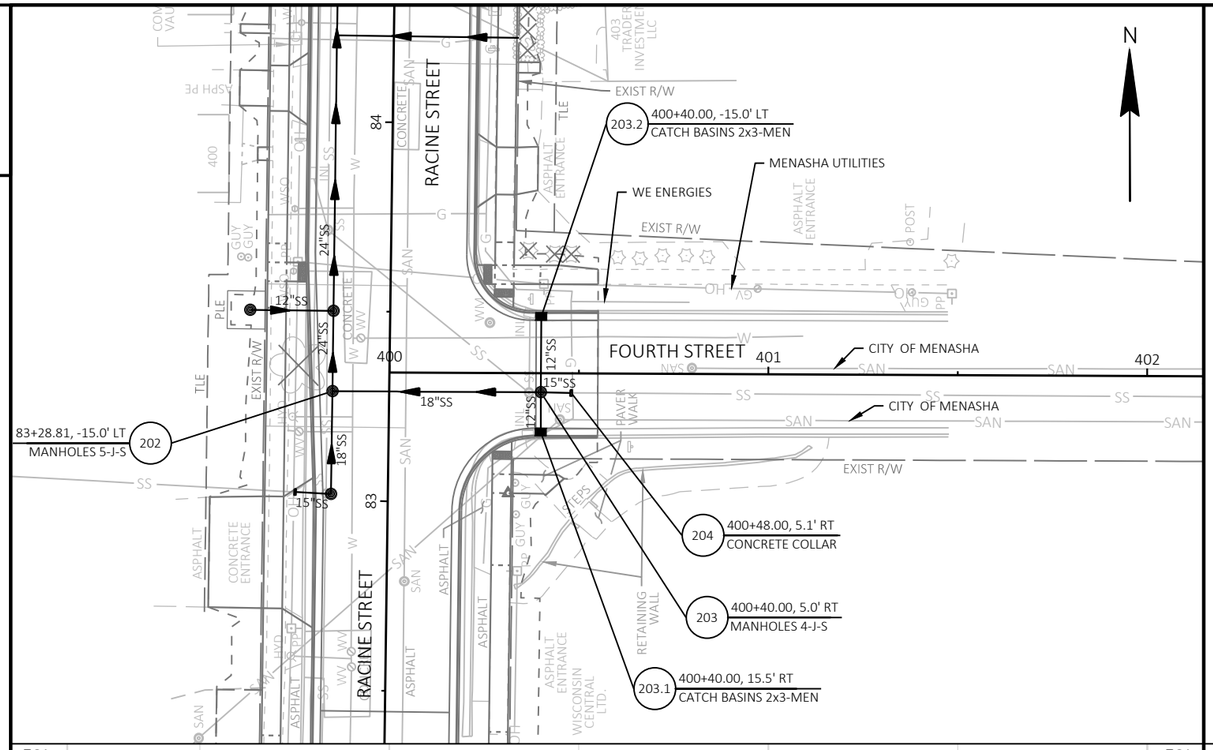
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 62 E

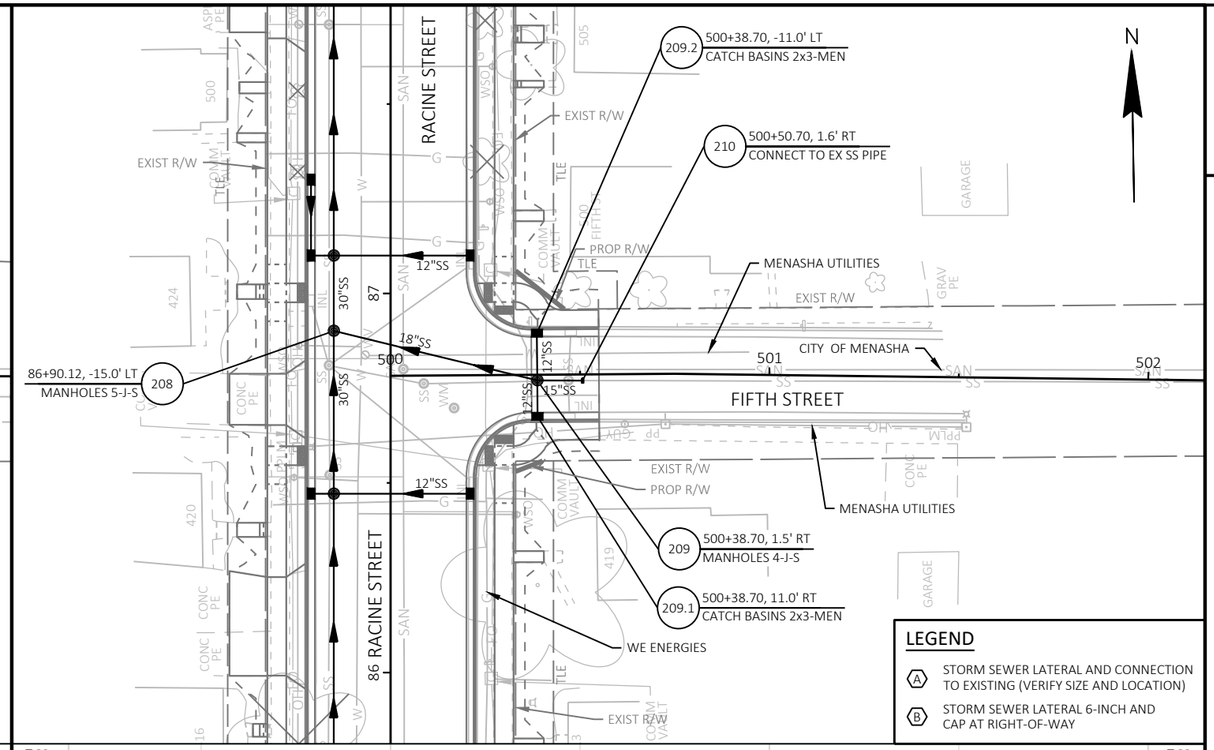




PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: RACINE STREET	SHEET 63	E

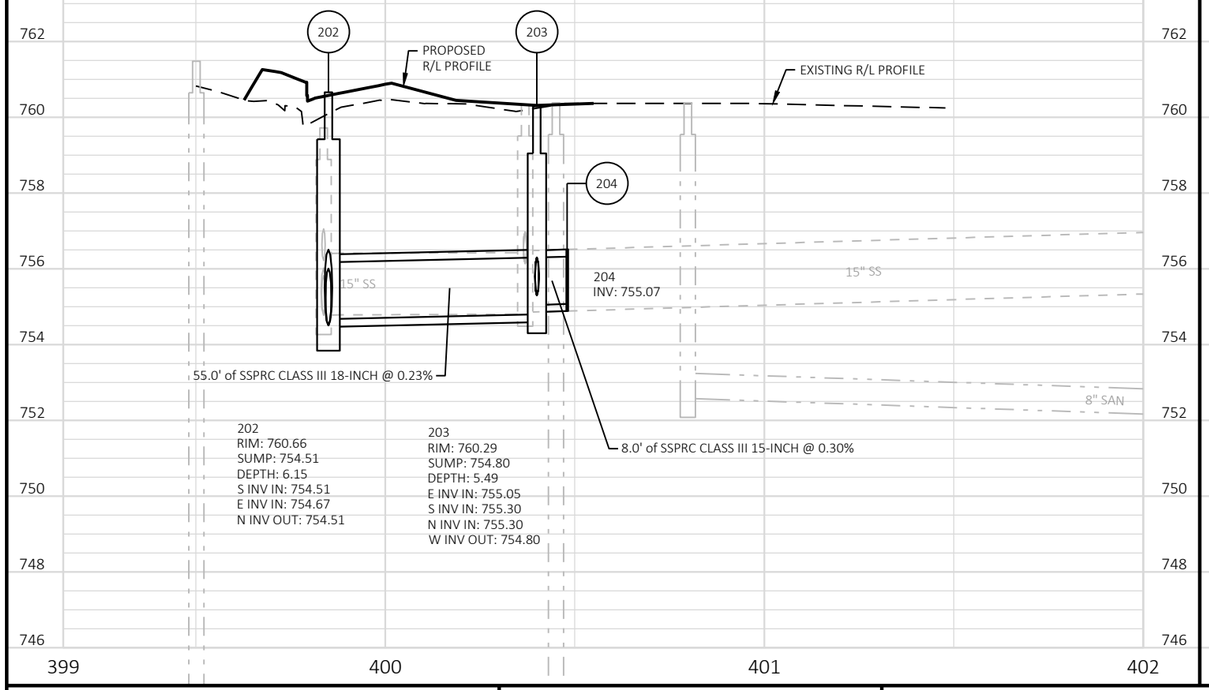
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022501-SS.DWG
LAYOUT NAME - Sheet-07
PLOT DATE : 7/31/2024 9:10 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

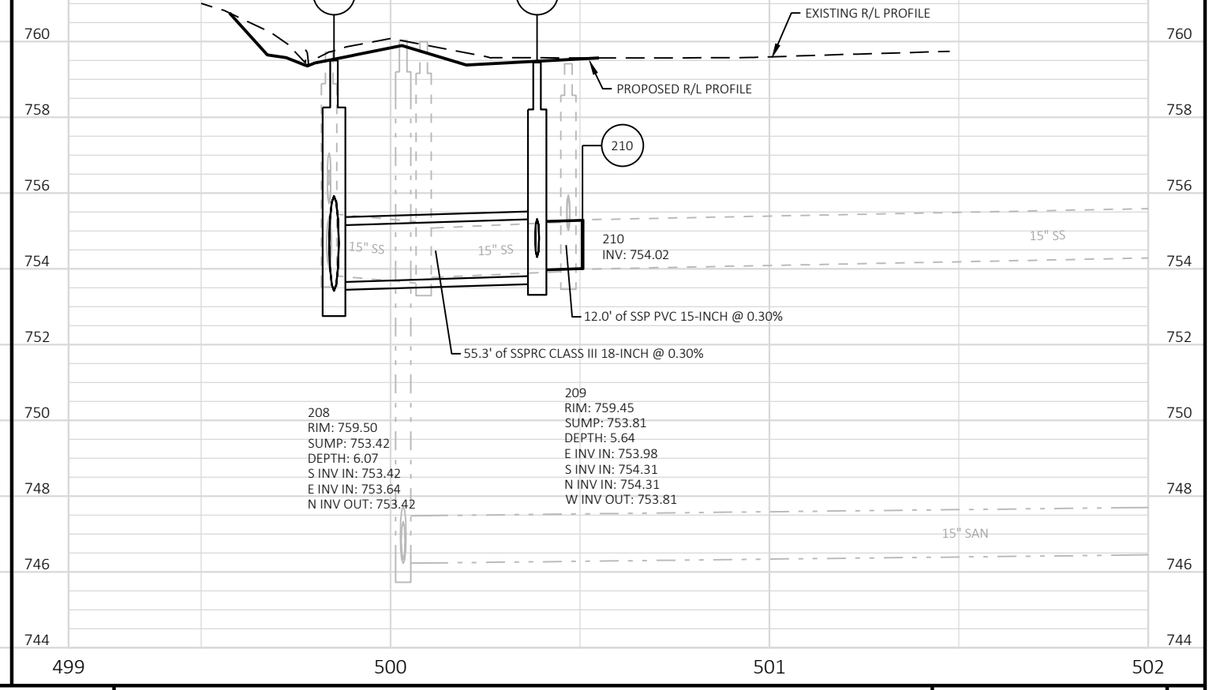




LEGEND

- (A) STORM SEWER LATERAL AND CONNECTION TO EXISTING (VERIFY SIZE AND LOCATION)
- (B) STORM SEWER LATERAL 6-INCH AND CAP AT RIGHT-OF-WAY





PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: FOUTH STREET & FIFTH STREET	SHEET 64	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022502-SS.DWG
LAYOUT NAME - Sheet-01
PLOT DATE : 7/31/2024 9:10 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

89+70.74, -15.0' LT
MANHOLES 7-J-S
213

599+56.22, -18.2' LT
CATCH BASINS 2x3-MEN
216.2

599+56.22, -12.5' LT
MANHOLES 6-J-S
216

599+48.22, -14.3' LT
CONNECT TO EX SS PIPE
217

599+56.22, 19.8' RT
CATCH BASINS 2x3-MEN
216.1

600+38.47, -13.5' LT
CATCH BASINS 2x3-MEN
214.2

600+38.47, -5.0' LT
MANHOLES 6-J-S
214

600+46.47, -5.0' LT
CONCRETE COLLAR
215

600+38.47, 13.5' RT
CATCH BASINS 2x3-MEN
214.1

RACINE STREET

SIXTH STREET

MENASHA UTILITIES

CITY OF MENASHA

WE ENERGIES

EXIST R/W

PROP R/W

18"SS

12"SS

42"SS

36"SS

30"SS

15"SS

597 598 599 600 601 602 603

89

N

LEGEND

- (A) STORM SEWER LATERAL AND CONNECTION TO EXISTING (VERIFY SIZE AND LOCATION)
- (B) STORM SEWER LATERAL 6-INCH AND CAP AT RIGHT-OF-WAY

762 760 758 756 754 752 750 748 746 744

216
RIM: 759.65
SUMP: 751.92
DEPTH: 7.73
E INV IN: 751.92
S INV IN: 754.42
N INV IN: 754.42
W INV OUT: 751.92

213
RIM: 759.89
SUMP: 752.08
DEPTH: 7.81
S INV IN: 752.58
E INV IN: 752.08
N INV IN: 752.61
W INV OUT: 752.08

214
RIM: 759.94
SUMP: 752.51
DEPTH: 7.43
E INV IN: 752.51
S INV IN: 753.51
N INV IN: 753.51
W INV OUT: 752.51

217
INV: 751.89

215
INV: 752.53

PROPOSED R/L PROFILE

EXISTING R/L PROFILE

18" SS

24" SS

15" SS

8.2' of SSP PVC 18-INCH @ 0.30%

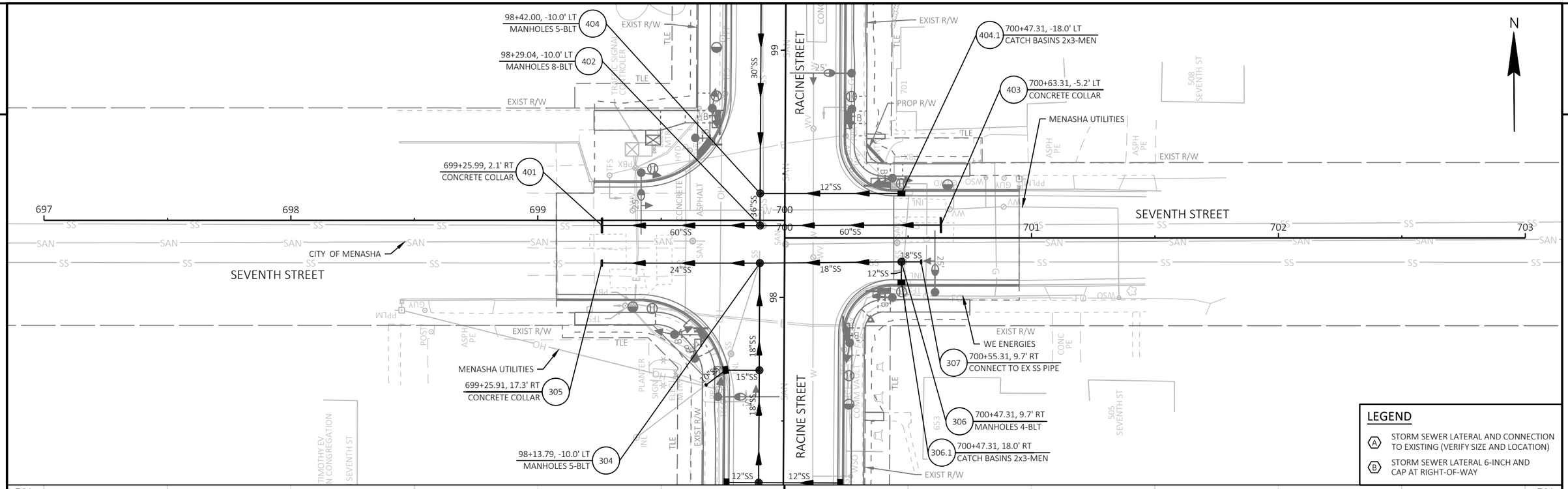
28.9' of SSPRC CLASS III 42-INCH @ 0.56%

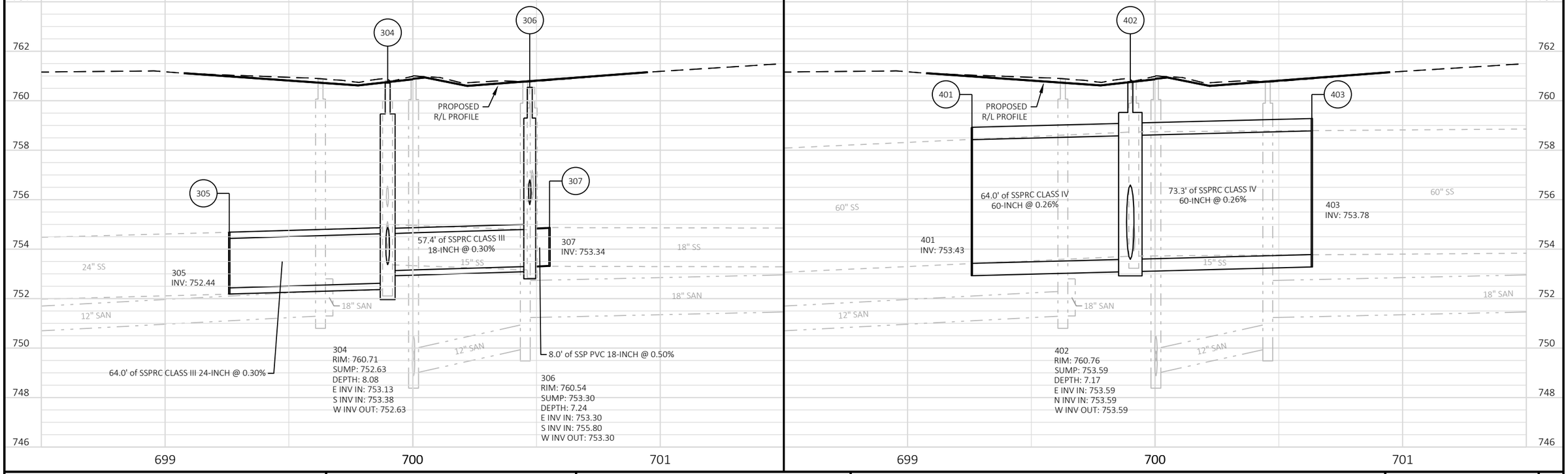
53.5' of SSPRC CLASS III 42-INCH @ 0.80%

8.0' of SSPC 15-INCH @ 0.30%

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: SIXTH STREET	SHEET 65	E

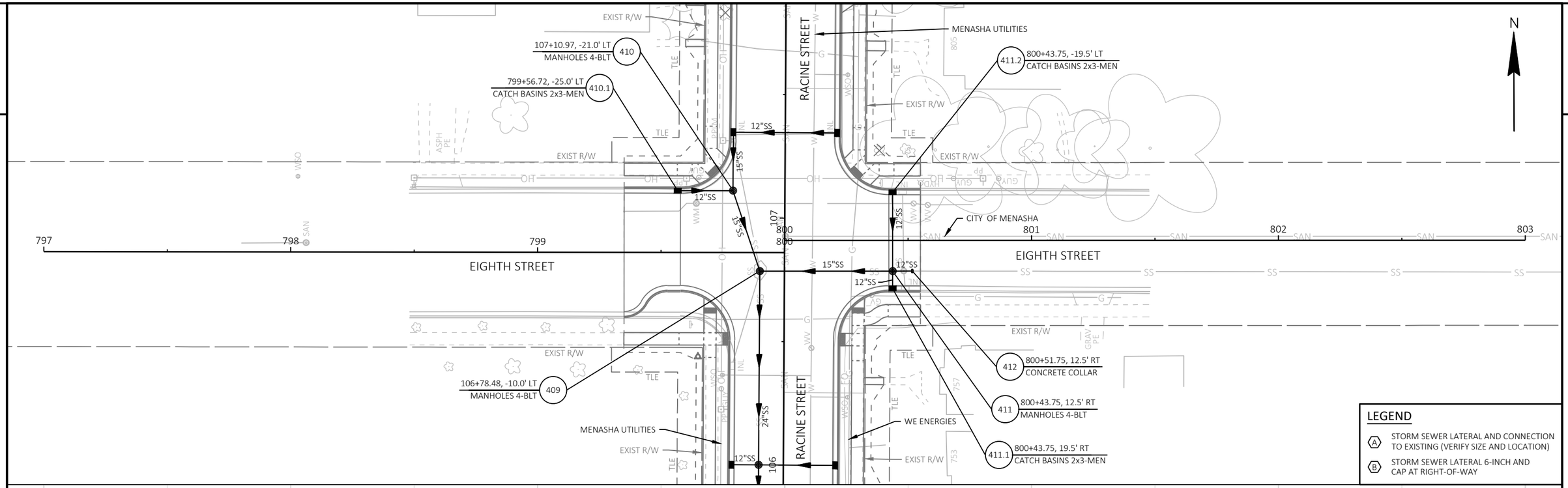
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022502-SS.DWG
LAYOUT NAME - Sheet-02
PLOT DATE : 7/31/2024 10:29 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41





PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: SEVENTH STREET	SHEET 66 E

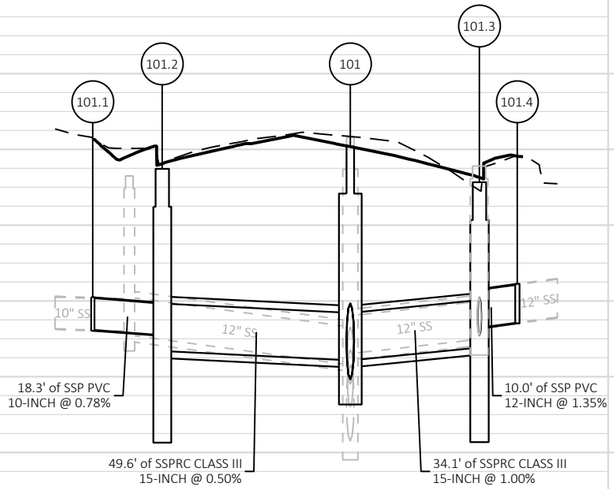
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022502-SS.DWG
LAYOUT NAME - Sheet-03
PLOT DATE : 7/31/2024 9:10 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER LAYOUT: EIGHTH STREET	SHEET 67	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022502-SS.DWG
LAYOUT NAME - Sheet-04
PLOT DATE : 7/31/2024 9:10 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2



101.1
INV: 755.24

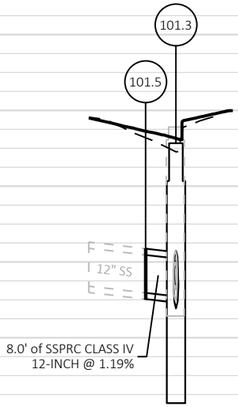
101.2
RIM: 759.49
SUMP: 752.68
DEPTH: 6.81
W INV IN: 755.10
E INV OUT: 754.68

101
RIM: 760.07
SUMP: 753.93
DEPTH: 6.14
N INV IN: 753.93
W INV IN: 754.43
E INV IN: 754.43
S INV OUT: 753.93

12"SAN

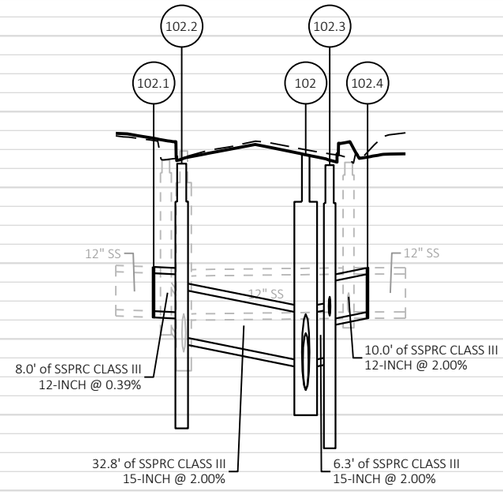
101.3
RIM: 759.13
SUMP: 752.77
DEPTH: 6.36
NE INV IN: 755.29
S INV IN: 755.09
W INV OUT: 754.77

101.4
INV: 755.43



101.5
INV: 755.19

101.3
RIM: 759.13
SUMP: 752.77
DEPTH: 6.36
NE INV IN: 755.29
S INV IN: 755.09
W INV OUT: 754.77



102.1
INV: 756.73

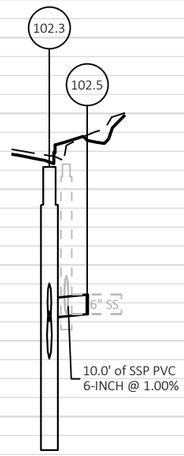
102.2
RIM: 760.62
SUMP: 754.06
DEPTH: 6.57
SW INV IN: 756.70
E INV OUT: 756.06

102
RIM: 760.86
SUMP: 754.65
DEPTH: 6.21
N INV IN: 754.65
W INV IN: 755.40
E INV IN: 755.40
S INV OUT: 754.65

12"SAN

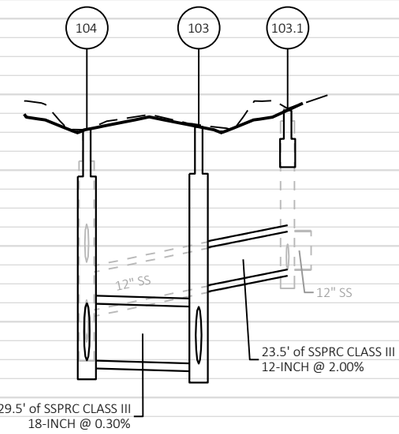
102.3
RIM: 760.58
SUMP: 753.53
DEPTH: 7.05
SE INV IN: 756.51
SE INV IN: 756.61
W INV OUT: 755.53

102.4
INV: 756.71



102.3
RIM: 760.58
SUMP: 753.53
DEPTH: 7.05
SE INV IN: 756.51
SE INV IN: 756.61
W INV OUT: 755.53

102.5
INV: 756.71

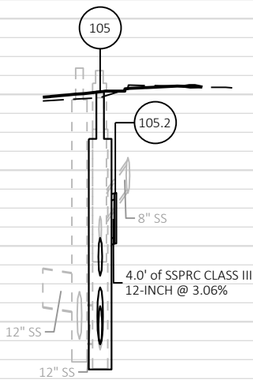


104
RIM: 761.07
SUMP: 754.98
DEPTH: 6.09
N INV IN: 754.98
E INV OUT: 754.98

103
RIM: 761.14
SUMP: 754.89
DEPTH: 6.25
W INV IN: 754.89
E INV IN: 756.91
S INV OUT: 754.89

12"SAN

103.1
EXIST RIM: 761.63
PROP RIM: 761.58
W INV OUT: 757.38



105
RIM: 762.07
SUMP: 755.40
DEPTH: 6.66
N INV IN: 758.11
SW INV IN: 755.41
E INV IN: 757.21
S INV OUT: 755.40

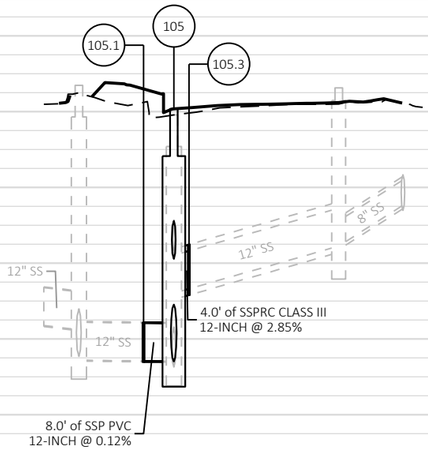
105.2
INV: 758.23

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER PROFILES	SHEET 68	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022511-SS.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 10:56 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

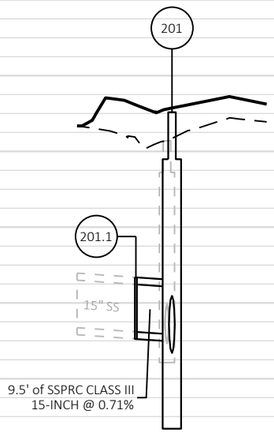


105.1
INV: 755.42

105
RIM: 762.07
SUMP: 755.40
DEPTH: 6.66
N INV IN: 758.11
SW INV IN: 755.41
E INV IN: 757.21
S INV OUT: 755.40

105.3
INV: 757.32

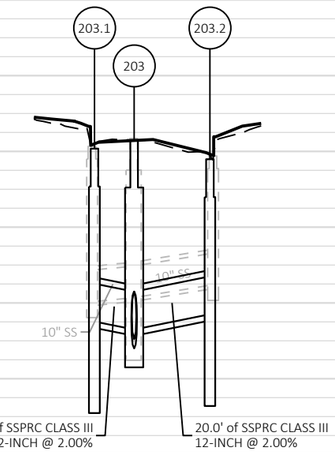
12"SAN



201.1
INV: 755.24

201
RIM: 761.03
SUMP: 753.18
DEPTH: 7.85
W INV IN: 755.17
N INV OUT: 754.68

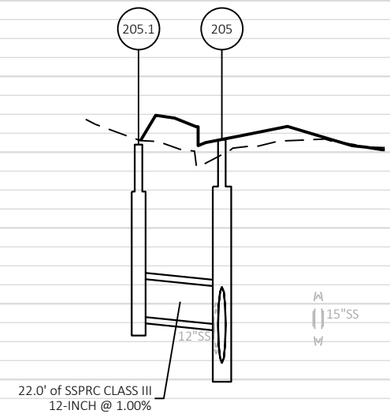
12"SAN



203.1
RIM: 760.07
SUMP: 753.51
DEPTH: 6.56
N INV OUT: 755.51

203
RIM: 760.29
SUMP: 754.80
DEPTH: 5.49
E INV IN: 755.05
S INV IN: 755.30
N INV IN: 755.30
W INV OUT: 754.80

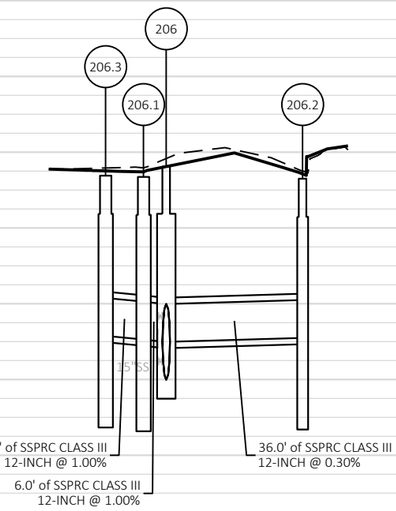
203.2
RIM: 759.79
SUMP: 753.70
DEPTH: 6.09
S INV OUT: 755.70



205.1
RIM: 760.20
SUMP: 755.66
DEPTH: 4.54
E INV OUT: 755.66

205
RIM: 760.34
SUMP: 754.44
DEPTH: 5.89
S INV IN: 754.44
W INV IN: 755.44
N INV OUT: 754.44

12"SAN



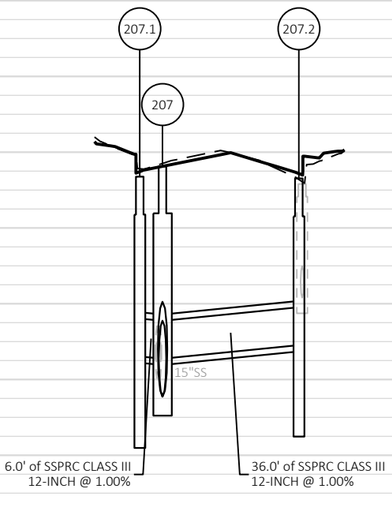
206.3
RIM: 759.38
SUMP: 753.15
DEPTH: 6.22
N INV OUT: 755.15

206.1
RIM: 759.35
SUMP: 753.05
DEPTH: 6.29
S INV IN: 755.05
E INV OUT: 755.05

206
RIM: 759.62
SUMP: 753.99
DEPTH: 5.62
S INV IN: 753.99
W INV IN: 754.99
E INV IN: 754.99
N INV OUT: 753.99

206.2
RIM: 759.30
SUMP: 753.10
DEPTH: 6.20
W INV OUT: 755.10

12"SAN



207.1
RIM: 759.35
SUMP: 752.61
DEPTH: 6.74
E INV OUT: 754.61

207
RIM: 759.62
SUMP: 753.55
DEPTH: 6.07
S INV IN: 753.55
E INV IN: 754.55
W INV IN: 754.55
N INV OUT: 753.55

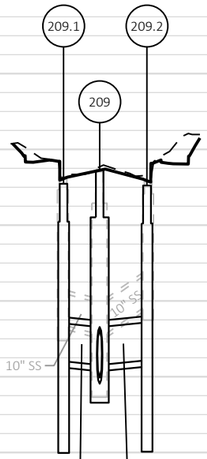
207.2
RIM: 759.30
SUMP: 752.91
DEPTH: 6.39
W INV OUT: 754.91

12"SAN

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER PROFILES	SHEET 69	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022511-SS.DWG
LAYOUT NAME - Sheet-02
PLOT DATE : 7/31/2024 10:56 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

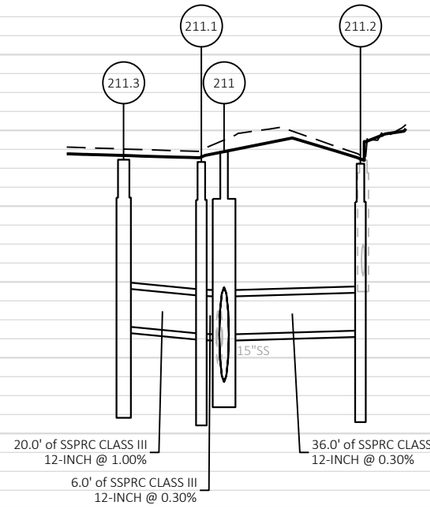


209.1
RIM: 759.09
SUMP: 752.41
DEPTH: 6.69
N INV OUT: 754.41

209
RIM: 759.45
SUMP: 753.81
DEPTH: 5.64
E INV IN: 753.98
S INV IN: 754.31
N INV IN: 754.31
W INV OUT: 753.81

209.2
RIM: 759.04
SUMP: 752.44
DEPTH: 6.61
S INV OUT: 754.44

15"SAN



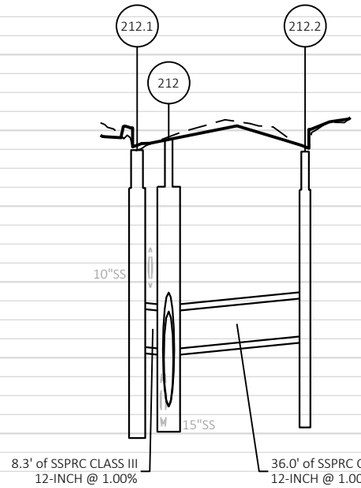
211.3
RIM: 759.23
SUMP: 752.83
DEPTH: 6.40
S INV OUT: 754.83

211.1
RIM: 759.17
SUMP: 752.63
DEPTH: 6.54
N INV IN: 754.63
E INV OUT: 754.63

211
RIM: 759.44
SUMP: 753.36
DEPTH: 6.07
S INV IN: 753.36
W INV IN: 754.61
E INV IN: 754.61
N INV OUT: 753.36

211.2
RIM: 759.12
SUMP: 752.72
DEPTH: 6.40
W INV OUT: 754.72

18"SAN

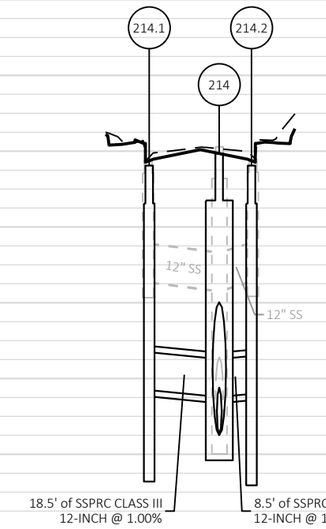


212.1
RIM: 759.48
SUMP: 752.30
DEPTH: 7.18
E INV OUT: 754.30

212
RIM: 759.76
SUMP: 752.72
DEPTH: 7.04
S INV IN: 752.72
E INV IN: 754.22
W INV IN: 754.22
N INV OUT: 752.72

212.2
RIM: 759.44
SUMP: 752.58
DEPTH: 6.86
W INV OUT: 754.58

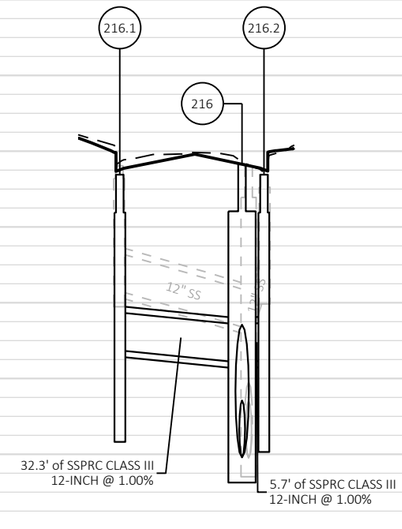
18"SAN



214.1
RIM: 759.62
SUMP: 751.70
DEPTH: 7.92
N INV OUT: 753.70

214
RIM: 759.94
SUMP: 752.51
DEPTH: 7.43
E INV IN: 752.51
S INV IN: 753.51
N INV IN: 753.51
W INV OUT: 752.51

214.2
RIM: 759.62
SUMP: 751.59
DEPTH: 8.02
S INV OUT: 753.59

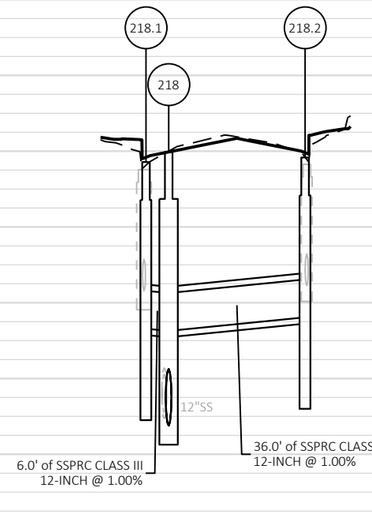


216.1
RIM: 759.38
SUMP: 752.74
DEPTH: 6.63
N INV OUT: 754.74

216
RIM: 759.65
SUMP: 751.92
DEPTH: 7.73
E INV IN: 751.92
S INV IN: 754.42
N INV IN: 754.42
W INV OUT: 751.92

216.2
RIM: 759.38
SUMP: 752.48
DEPTH: 6.90
S INV OUT: 754.48

24"SAN



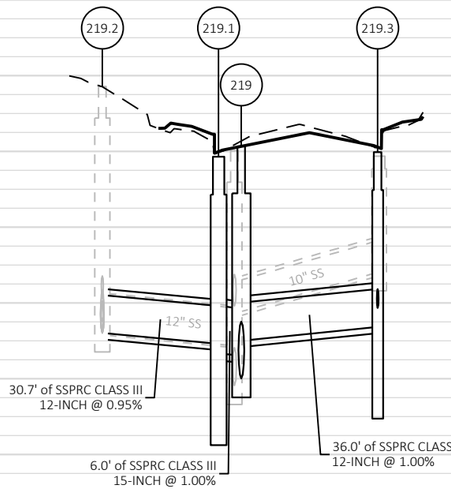
218.1
RIM: 759.71
SUMP: 753.32
DEPTH: 6.39
E INV OUT: 755.32

218
RIM: 759.98
SUMP: 752.76
DEPTH: 7.22
N INV IN: 752.76
W INV IN: 755.26
E INV IN: 755.26
S INV OUT: 752.76

218.2
RIM: 759.83
SUMP: 753.62
DEPTH: 6.21
W INV OUT: 755.62

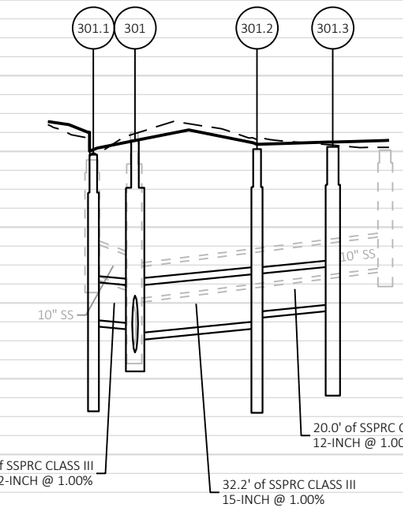
12"SAN

PROJECT NO: 4992-00-60 | HWY: RACINE STREET | COUNTY: WINNEBAGO | STORM SEWER PROFILES | SHEET 70 | E



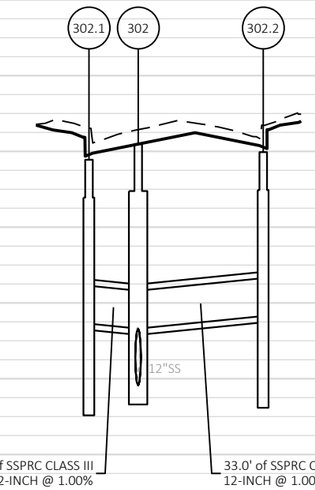
219.2	219.1	219	219.3
RIM: 761.71	RIM: 759.86	RIM: 760.13	RIM: 759.98
SUMP: 761.71	SUMP: 752.67	SUMP: 754.01	SUMP: 753.37
DEPTH: 0.00	DEPTH: 7.19	DEPTH: 6.12	DEPTH: 6.61
SE INV OUT: 755.21	NW INV IN: 754.92	E INV IN: 755.01	N INV IN: 755.87
	E INV OUT: 754.67	W INV IN: 754.61	W INV OUT: 755.37
		S INV OUT: 754.01	

12"SAN



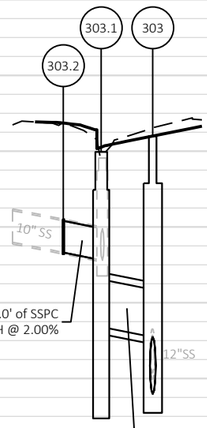
301.1	301	301.2	301.3
RIM: 759.91	RIM: 760.28	RIM: 760.06	RIM: 760.12
SUMP: 753.56	SUMP: 754.70	SUMP: 753.52	SUMP: 753.97
DEPTH: 6.36	DEPTH: 5.59	DEPTH: 6.54	DEPTH: 6.15
E INV OUT: 755.56	W INV IN: 755.45	S INV IN: 755.77	N INV OUT: 755.97
	E INV IN: 755.20	W INV OUT: 755.52	
	N INV OUT: 754.70		

12"SAN



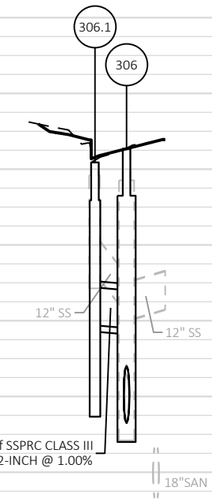
302.1	302	302.2
RIM: 759.78	RIM: 760.19	RIM: 759.98
SUMP: 753.45	SUMP: 753.82	SUMP: 753.65
DEPTH: 6.33	DEPTH: 6.37	DEPTH: 6.33
E INV OUT: 755.45	S INV IN: 753.82	W INV OUT: 755.65
	E INV IN: 755.32	
	W INV IN: 755.32	
	N INV OUT: 753.82	

12"SAN

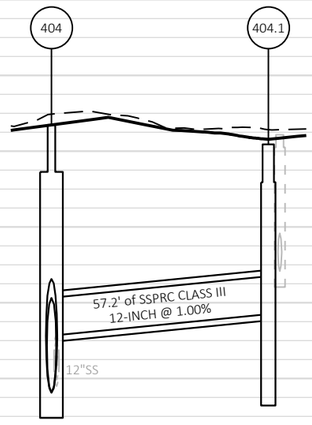


303.2	303.1	303
INV: 757.33	RIM: 759.98	RIM: 760.40
	SUMP: 753.37	SUMP: 753.59
	DEPTH: 6.61	DEPTH: 6.80
	SW INV IN: 757.13	S INV IN: 753.59
	E INV OUT: 755.37	W INV IN: 755.09
		N INV OUT: 753.59

12"SAN

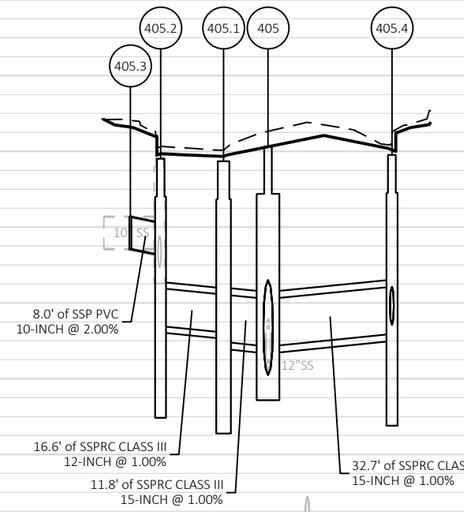


306.1	306
RIM: 760.18	RIM: 760.54
SUMP: 753.88	SUMP: 753.30
DEPTH: 6.30	DEPTH: 7.24
N INV OUT: 755.88	E INV IN: 753.30
	S INV IN: 755.80
	W INV OUT: 753.30

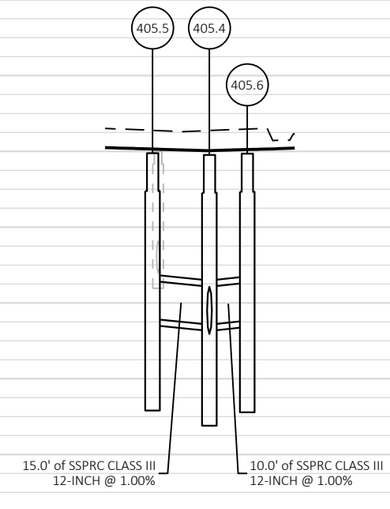


404	404.1
RIM: 760.69	RIM: 760.18
SUMP: 753.63	SUMP: 753.70
DEPTH: 7.06	DEPTH: 6.48
N INV IN: 753.63	W INV OUT: 755.70
E INV IN: 755.13	
S INV OUT: 753.63	

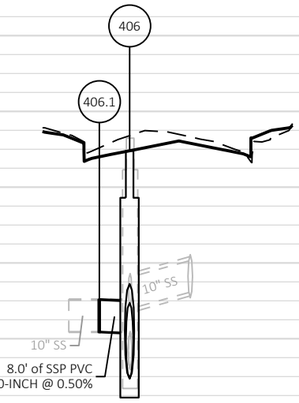
12"SAN



405.3	405.2	405.1	405	405.4
INV: 757.43	RIM: 759.81	RIM: 759.74	RIM: 760.12	RIM: 759.91
	SUMP: 753.39	SUMP: 752.97	SUMP: 754.10	SUMP: 753.18
	DEPTH: 6.42	DEPTH: 6.77	DEPTH: 6.02	DEPTH: 6.73
	W INV IN: 757.27	N INV IN: 755.22	N INV IN: 754.10	S INV IN: 755.43
	S INV OUT: 755.39	E INV OUT: 754.97	E INV IN: 754.85	N INV IN: 755.43
			W INV IN: 754.85	W INV OUT: 755.18
			S INV OUT: 754.10	

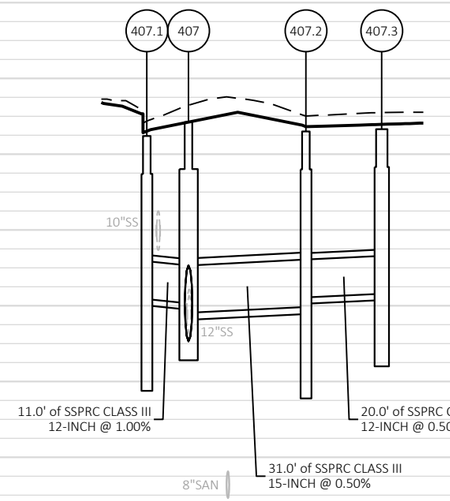


405.5	405.4	405.6
RIM: 759.95	RIM: 759.91	RIM: 759.94
SUMP: 753.58	SUMP: 753.18	SUMP: 753.53
DEPTH: 6.37	DEPTH: 6.73	DEPTH: 6.41
N INV OUT: 755.58	S INV IN: 755.43	S INV OUT: 755.53
	N INV IN: 755.43	
	W INV OUT: 755.18	

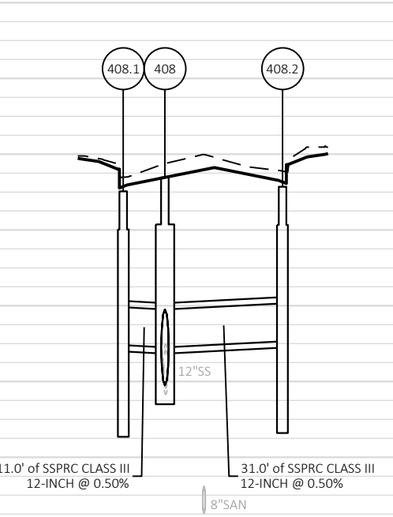


406.1	406
INV: 756.19	RIM: 760.96
	SUMP: 754.95
	DEPTH: 6.01
	N INV IN: 754.95
	W INV IN: 756.15
	S INV OUT: 754.95

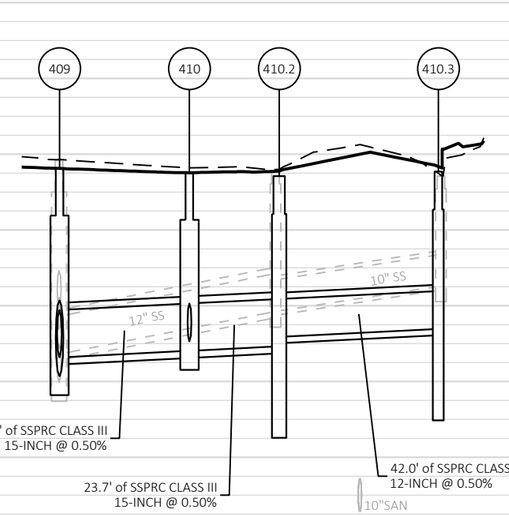
8"SAN



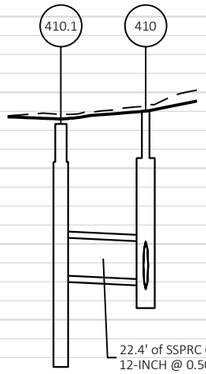
407.1	407	407.2	407.3
RIM: 760.48	RIM: 760.85	RIM: 760.60	RIM: 760.66
SUMP: 754.17	SUMP: 755.06	SUMP: 753.97	SUMP: 754.82
DEPTH: 6.30	DEPTH: 5.78	DEPTH: 6.63	DEPTH: 5.84
E INV OUT: 756.17	N INV IN: 755.06	N INV IN: 756.22	S INV OUT: 756.32
	W INV IN: 756.06	W INV OUT: 755.97	
	E INV IN: 755.81		
	S INV OUT: 755.06		



408.1	408	408.2
RIM: 761.02	RIM: 761.39	RIM: 761.14
SUMP: 754.96	SUMP: 755.90	SUMP: 755.06
DEPTH: 6.06	DEPTH: 5.48	DEPTH: 6.08
E INV OUT: 756.96	N INV IN: 755.90	W INV OUT: 757.06
	W INV IN: 756.90	
	E INV IN: 756.90	
	S INV OUT: 755.90	

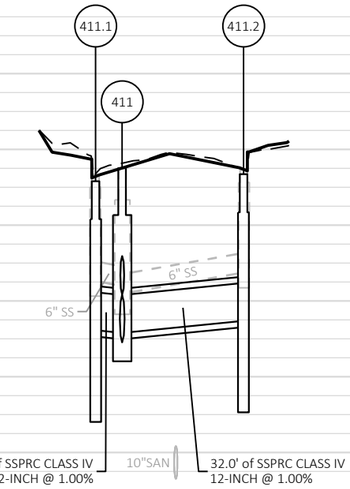


409	410	410.2	410.3
RIM: 761.62	RIM: 761.51	RIM: 761.42	RIM: 761.54
SUMP: 756.14	SUMP: 756.81	SUMP: 754.93	SUMP: 755.39
DEPTH: 5.48	DEPTH: 4.70	DEPTH: 6.49	DEPTH: 6.15
E INV IN: 756.64	N INV IN: 756.81	E INV IN: 757.18	W INV OUT: 757.39
N INV IN: 756.64	W INV IN: 757.06	S INV OUT: 756.93	
S INV OUT: 756.14	S INV OUT: 756.81		



410.1
RIM: 761.17
SUMP: 755.17
DEPTH: 5.99
E INV OUT: 757.17

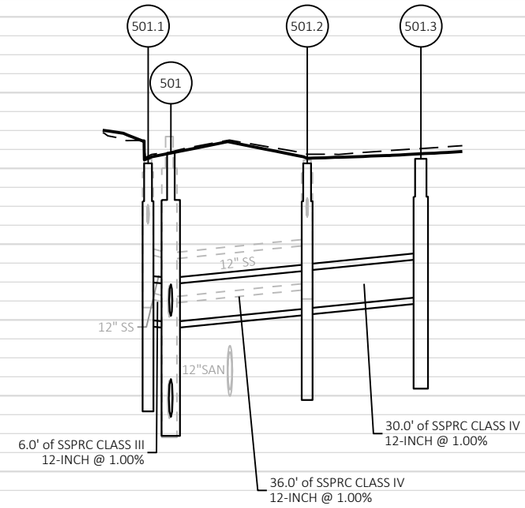
410
RIM: 761.51
SUMP: 756.81
DEPTH: 4.70
N INV IN: 756.81
W INV IN: 757.06
S INV OUT: 756.81



411.1
RIM: 761.16
SUMP: 755.23
DEPTH: 5.93
N INV OUT: 757.23

411
RIM: 761.51
SUMP: 756.91
DEPTH: 4.60
E INV IN: 758.18
N INV IN: 757.16
S INV IN: 757.16
W INV OUT: 756.91

411.2
RIM: 761.34
SUMP: 755.48
DEPTH: 5.87
S INV OUT: 757.48



501.1
RIM: 760.13
SUMP: 754.00
DEPTH: 6.13
E INV OUT: 756.00

501
RIM: 760.40
SUMP: 753.44
DEPTH: 6.96
W INV IN: 755.94
E INV IN: 755.94
S INV IN: 756.11
N INV OUT: 753.44

501.2
RIM: 760.13
SUMP: 754.30
DEPTH: 5.83
S INV IN: 756.30
W INV OUT: 756.30

501.3
RIM: 760.25
SUMP: 754.60
DEPTH: 5.65
N INV OUT: 756.60

2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	STORM SEWER PROFILES	SHEET 73	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-022511-SS.DWG
LAYOUT NAME - Sheet-06
PLOT DATE : 7/31/2024 10:58 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	EXISTING RIM/GRATE ELEVATION	PROPOSED RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
100	RACINE	76+79.49	12.92	RT	CONNECT TO EX MH						101-100 IN	N	SSPRC CLASS III 24-INCH	753.81	FROM STR: 101	--	--	
101	RACINE	77+20.00	13.00	RT	MANHOLES 5-J-S		760.07	753.93	6.14	0.00	102-101 IN 101.2-101 IN 101.3-101 IN 101-100 OUT	N W E S	SSPRC CLASS III 24-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	753.93 754.43 754.43 753.93	FROM STR: 102 FROM STR: 101.2 FROM STR: 101.3 TO STR: 100	-- -- -- 40.51'	-- -- -- 0.30%	
101.1	RACINE	77+15.41	-54.26	LT	CONNECT TO EX SS PIPE						101.1-101.2 OUT	E	SSP PVC 10-INCH	755.24	TO STR: 101.2	18.35'	0.78%	
101.2	RACINE	77+20.49	-36.63	LT	CATCH BASINS 2X3-MEN		759.49	752.68	6.81	2.00	101.1-101.2 IN 101.2-101 OUT	W E	SSP PVC 10-INCH SSPRC CLASS III 15-INCH	755.10 754.68	FROM STR: 101.1 TO STR: 101	-- 49.64'	-- 0.50%	
101.3	RACINE	77+20.32	47.09	RT	CATCH BASINS 4-MEN		759.13	752.77	6.36	2.00	101.4-101.3 IN 101.5-101.3 IN 101.3-101 OUT	NE S W	SSP PVC 12-INCH SSPRC CLASS IV 12-INCH SSPRC CLASS III 15-INCH	755.29 755.09 754.77	FROM STR: 101.4 FROM STR: 101.5 TO STR: 101	-- -- 34.10'	-- -- 1.00%	
101.4	RACINE	77+29.51	51.03	RT	CONNECT TO EX SS PIPE						101.4-101.3 OUT	SW	SSP PVC 12-INCH	755.43	TO STR: 101.3	10.00'	1.35%	
101.5	RACINE	77+12.40	48.18	RT	CONCRETE COLLAR						101.5-101.3 OUT	N	SSPRC CLASS IV 12-INCH	755.19	TO STR: 101.3	8.00'	1.19%	
102	RACINE	79+60.47	13.00	RT	MANHOLES 5-J-S		760.86	754.65	6.21	0.00	103-102 IN 102.2-102 IN 102.3-102 IN 102-101 OUT	N W E S	SSPRC CLASS III 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	754.65 755.40 755.40 754.65	FROM STR: 103 FROM STR: 102.2 FROM STR: 102.3 TO STR: 101	-- -- -- 240.47'	-- -- -- 0.30%	
102.1	RACINE	79+61.97	-23.45	LT	CONCRETE COLLAR						102.1-102.2 OUT	NE	SSPRC CLASS III 12-INCH	756.73	TO STR: 102.2	8.00'	0.39%	
102.2	RACINE	79+68.46	-18.77	LT	CATCH BASINS 2X3-MEN		760.62	754.06	6.57	2.00	102.1-102.2 IN 102.2-102 OUT	SW E	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	756.70 756.06	FROM STR: 102.1 TO STR: 102	-- 32.76'	-- 2.00%	
102.3	RACINE	79+60.44	19.31	RT	CATCH BASINS 2X3-MEN		760.58	753.53	7.05	2.00	102.4-102.3 IN 102.5-102.3 IN 102.3-102 OUT	SE SE W	SSPRC CLASS III 12-INCH SSP PVC 6-INCH SSPRC CLASS III 15-INCH	756.51 756.61 755.53	FROM STR: 102.4 FROM STR: 102.5 TO STR: 102	-- -- 6.31'	-- -- 2.00%	
102.4	RACINE	79+52.24	25.03	RT	CONCRETE COLLAR						102.4-102.3 OUT	NW	SSPRC CLASS III 12-INCH	756.71	TO STR: 102.3	10.00'	2.00%	
102.5	RACINE	79+55.52	28.01	RT	CONNECT TO EX SS PIPE						102.5-102.3 OUT	NW	SSP PVC 6-INCH	756.71	TO STR: 102.3	10.00'	1.00%	
103	RACINE	80+41.05	13.00	RT	MANHOLES 4-J-S		761.14	754.89	6.25	0.00	104-103 IN 103.1-103 IN 103-102 OUT	W E S	SSPRC CLASS III 18-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	754.89 756.91 754.89	FROM STR: 104 FROM STR: 103.1 TO STR: 102	-- -- 80.57'	-- -- 0.30%	
103.1	RACINE	80+41.05	36.49	RT	ADJUST EX INL CONNECT TO EX INL	761.63	761.58				103.1-103 OUT	W	SSPRC CLASS III 12-INCH	757.38	TO STR: 103	23.49'	2.00%	
104	RACINE	80+41.05	-16.50	LT	MANHOLES 4-J-S		761.07	754.98	6.09	0.00	105-104 IN 104-103 OUT	N E	SSPRC CLASS III 18-INCH SSPRC CLASS III 18-INCH	754.98 754.98	FROM STR: 105 TO STR: 103	-- 29.50'	-- 0.30%	
105	RACINE	81+81.28	-16.63	LT	MANHOLES 5-J-S		762.07	755.40	6.66	0.00	105.2-105 IN 105.1-105 IN 105.3-105 IN 105-104 OUT	N SW E S	SSPRC CLASS III 12-INCH SSP PVC 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	758.11 755.41 757.21 755.40	FROM STR: 105.2 FROM STR: 105.1 FROM STR: 105.3 TO STR: 104	-- -- -- 140.23'	-- -- -- 0.30%	
105.1	RACINE	81+77.37	-23.61	LT	CONNECT TO EX SS PIPE						105.1-105 OUT	NE	SSP PVC 12-INCH	755.42	TO STR: 105	8.00'	0.12%	
105.2	RACINE	81+85.11	-17.77	LT	CONCRETE COLLAR						105.2-105 OUT	S	SSPRC CLASS III 12-INCH	758.23	TO STR: 105	4.00'	3.06%	
105.3	RACINE	81+82.40	-12.79	LT	CONCRETE COLLAR						105.3-105 OUT	W	SSPRC CLASS III 12-INCH	757.32	TO STR: 105	4.00'	2.85%	
201	RACINE	83+01.70	-15.00	LT	MANHOLES 4-J-S		761.03	754.68	6.35	0.00	201.1-201 IN 201-202 OUT	W N	SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH	755.17 754.68	FROM STR: 201.1 TO STR: 202	-- 27.11'	-- 0.65%	
201.1	RACINE	83+02.11	-24.49	LT	CONCRETE COLLAR						201.1-201 OUT	E	SSPRC CLASS III 15-INCH	755.24	TO STR: 201	9.50'	0.71%	
202	RACINE	83+28.81	-15.00	LT	MANHOLES 5-J-S		760.66	754.51	6.15	0.00	201-202 IN 203-202 IN 202-205 OUT	S E N	SSPRC CLASS III 18-INCH SSPRC CLASS III 18-INCH SSPRC CLASS III 24-INCH	754.51 754.67 754.51	FROM STR: 201 FROM STR: 203 TO STR: 205	-- -- 21.19'	-- -- 0.30%	
203	FOURTH	400+40.00	5.00	RT	MANHOLES 4-J-S		760.29	754.80	5.49	0.00	204-203 IN 203.1-203 IN 203.2-203 IN 203-202 OUT	E S N W	SSPRC CLASS III 15-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	755.05 755.30 755.30 754.80	FROM STR: 204 FROM STR: 203.1 FROM STR: 203.2 TO STR: 202	-- -- -- 55.04'	-- -- -- 0.23%	
203.1	FOURTH	400+40.00	15.50	RT	CATCH BASINS 2X3-MEN		760.07	753.51	6.56	2.00	203.1-203 OUT	N	SSPRC CLASS III 12-INCH	755.51	TO STR: 203	10.50'	2.00%	

NOTES:

1. TOTAL DEPTH = RIM/GRATE ELEVATION - STRUCTURE INVERT ELEVATION.
2. MANHOLES SHALL BE CONSTRUCTED IN A WAY THAT WILL ALLOW THE CASTING TO BE ALIGNED IN THE MIDDLE OF A LANE OR ON A JOINT LINE.
3. CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATION WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES.
4. STATION/ OFFSET OF STORM SEWER STRUCTURES ARE TO THE CENTER OF STRUCTURE EXCEPT FOR CONCRETE APRON ENDWALLS WHICH ARE TO PIPE END.

2

STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	EXISTING RIM/GRATE ELEVATION	PROPOSED RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
203.2	FOURTH	400+40.00	-15.00	LT	CATCH BASINS 2X3-MEN		759.79	753.70	6.09	2.00	203.2-203 OUT	S	SSPRC CLASS III 12-INCH	755.70	TO STR: 203	20.00'	2.00%	
204	FOURTH	400+48.00	5.14	RT	CONCRETE COLLAR						204-203 OUT	W	SSPRC CLASS III 15-INCH	755.07	TO STR: 203	8.00'	0.30%	
205	RACINE	83+50.00	-15.00	LT	MANHOLES 4-J-S		760.34	754.44	5.89	0.00	202-205 IN 205.1-205 IN 205-206 OUT	S W N	SSPRC CLASS III 24-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 24-INCH	754.44 755.44 754.44	FROM STR: 202 FROM STR: 205.1 TO STR: 206	-- -- 150.00'	-- -- 0.30%	
205.1	RACINE	83+50.00	-37.00	LT	INLETS 3-C		760.20	755.66	4.54	0.00	205.1-205 OUT	E	SSPRC CLASS III 12-INCH	755.66	TO STR: 205	22.00'	1.00%	
206	RACINE	85+00.00	-15.00	LT	MANHOLES 4-J-S		759.62	753.99	5.62	0.00	205-206 IN 206.1-206 IN 206.2-206 IN 206-207 OUT	S W E N	SSPRC CLASS III 24-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 24-INCH	753.99 754.99 754.99 753.99	FROM STR: 205 FROM STR: 206.1 FROM STR: 206.2 TO STR: 207	-- -- -- 147.18'	-- -- -- 0.30%	
206.1	RACINE	85+00.00	-21.00	LT	CATCH BASINS 2X3-MEN		759.35	753.05	6.29	2.00	206.3-206.1 IN 206.1-206 OUT	S E	SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH	755.05 755.05	FROM STR: 206.3 TO STR: 206	-- 6.00'	-- 1.00%	
206.2	RACINE	85+00.00	21.00	RT	CATCH BASINS 2X3-MEN		759.30	753.10	6.20	2.00	206.2-206 OUT	W	SSPRC CLASS III 12-INCH	755.10	TO STR: 206	36.00'	0.30%	
206.3	RACINE	84+90.00	-21.00	LT	CATCH BASINS 2X3-MEN		759.38	753.15	6.22	2.00	206.3-206.1 OUT	N	SSPRC CLASS III 12-INCH	755.15	TO STR: 206.1	10.00'	1.00%	
207	RACINE	86+47.18	-15.00	LT	MANHOLES 4-J-S		759.62	753.55	6.07	0.00	206-207 IN 207.2-207 IN 207.1-207 IN 207-208 OUT	S E W N	SSPRC CLASS III 24-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 30-INCH	753.55 754.55 754.55 753.55	FROM STR: 206 FROM STR: 207.2 FROM STR: 207.1 TO STR: 208	-- -- -- 42.94'	-- -- -- 0.30%	
207.1	RACINE	86+47.18	-21.00	LT	CATCH BASINS 2X3-MEN		759.35	752.61	6.74	2.00	207.1-207 OUT	E	SSPRC CLASS III 12-INCH	754.61	TO STR: 207	6.00'	1.00%	
207.2	RACINE	86+47.18	21.00	RT	CATCH BASINS 2X3-MEN		759.30	752.91	6.39	2.00	207.2-207 OUT	W	SSPRC CLASS III 12-INCH	754.91	TO STR: 207	36.00'	1.00%	
208	RACINE	86+90.12	-15.00	LT	MANHOLES 5-J-S		759.50	753.42	6.07	0.00	207-208 IN 209-208 IN 208-211 OUT	S E N	SSPRC CLASS III 30-INCH SSPRC CLASS III 18-INCH SSPRC CLASS III 30-INCH	753.42 753.64 753.42	FROM STR: 207 FROM STR: 209 TO STR: 211	-- -- 19.88'	-- -- 0.30%	
209	FIFTH	500+38.70	1.50	RT	MANHOLES 4-J-S		759.45	753.81	5.64	0.00	210-209 IN 209.1-209 IN 209.2-209 IN 209-208 OUT	E S N W	SSP PVC 15-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	753.98 754.31 754.31 753.81	FROM STR: 210 FROM STR: 209.1 FROM STR: 209.2 TO STR: 208	-- -- -- 55.28'	-- -- -- 0.30%	
209.1	FIFTH	500+38.70	11.00	RT	CATCH BASINS 2X3-MEN		759.09	752.41	6.69	2.00	209.1-209 OUT	N	SSPRC CLASS III 12-INCH	754.41	TO STR: 209	9.50'	1.00%	
209.2	FIFTH	500+38.70	-11.00	LT	CATCH BASINS 2X3-MEN		759.04	752.44	6.61	2.00	209.2-209 OUT	S	SSPRC CLASS III 12-INCH	754.44	TO STR: 209	12.50'	1.00%	
210	FIFTH	500+50.70	1.60	RT	CONNECT TO EX SS PIPE						210-209 OUT	W	SSP PVC 15-INCH	754.02	TO STR: 209	12.00'	0.30%	
211	RACINE	87+10.00	-15.00	LT	MANHOLES 5-J-S		759.44	753.36	6.07	0.00	208-211 IN 211.1-211 IN 211.2-211 IN 211-212 OUT	S W E N	SSPRC CLASS III 30-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 30-INCH	753.36 754.61 754.61 753.36	FROM STR: 208 FROM STR: 211.1 FROM STR: 211.2 TO STR: 212	-- -- -- 215.00'	-- -- -- 0.30%	
211.1	RACINE	87+10.00	-21.00	LT	CATCH BASINS 2X3-MEN		759.17	752.63	6.54	2.00	211.3-211.1 IN 211.1-211 OUT	N E	SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH	754.63 754.63	FROM STR: 211.3 TO STR: 211	-- 6.00'	-- 0.30%	
211.2	RACINE	87+10.00	21.00	RT	CATCH BASINS 2X3-MEN		759.12	752.72	6.40	2.00	211.2-211 OUT	W	SSPRC CLASS III 12-INCH	754.72	TO STR: 211	36.00'	0.30%	
211.3	RACINE	87+30.00	-21.00	LT	CATCH BASINS 2X3-MEN		759.23	752.83	6.40	2.00	211.3-211.1 OUT	S	SSPRC CLASS III 12-INCH	754.83	TO STR: 211.1	20.00'	1.00%	
212	RACINE	89+25.00	-15.00	LT	MANHOLES 5-J-S		759.76	752.72	7.04	0.00	211-212 IN 212.2-212 IN 212.1-212 IN 212-213 OUT	S E W N	SSPRC CLASS III 30-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 36-INCH	752.72 754.22 754.22 752.72	FROM STR: 211 FROM STR: 212.2 FROM STR: 212.1 TO STR: 213	-- -- -- 45.63'	-- -- -- 0.30%	
212.1	RACINE	89+25.00	-23.31	LT	CATCH BASINS 2X3-MEN		759.48	752.30	7.18	2.00	212.1-212 OUT	E	SSPRC CLASS III 12-INCH	754.30	TO STR: 212	8.31'	1.00%	
212.2	RACINE	89+25.00	21.00	RT	CATCH BASINS 2X3-MEN		759.44	752.58	6.86	2.00	212.2-212 OUT	W	SSPRC CLASS III 12-INCH	754.58	TO STR: 212	36.00'	1.00%	
213	RACINE	89+70.74	-15.00	LT	MANHOLES 7-J-S		759.89	752.08	7.81	0.00	212-213 IN 214-213 IN 218-213 IN 213-216 OUT	S E N W	SSPRC CLASS III 36-INCH SSPRC CLASS III 42-INCH SSPRC CLASS III 18-INCH SSPRC CLASS III 42-INCH	752.58 752.08 752.61 752.08	FROM STR: 212 FROM STR: 214 FROM STR: 218 TO STR: 216	-- -- -- 28.92'	-- -- -- 0.56%	
214	SIXTH-EAST	600+38.47	-5.00	LT	MANHOLES 6-J-S		759.94	752.51	7.43	0.00	215-214 IN 214.1-214 IN 214.2-214 IN 214-213 OUT	E S N W	SSPC 15-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 42-INCH	752.51 753.51 753.51 752.51	FROM STR: 215 FROM STR: 214.1 FROM STR: 214.2 TO STR: 213	-- -- -- 53.46'	-- -- -- 0.80%	

NOTES:

1. TOTAL DEPTH = RIM/GRATE ELEVATION - STRUCTURE INVERT ELEVATION.
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STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	EXISTING RIM/GRATE ELEVATION	PROPOSED RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
214.1	SIXTH-EAST	600+38.47	13.50	RT	CATCH BASINS 2X3-MEN		759.62	751.70	7.92	2.00	214.1-214 OUT	N	SSPRC CLASS III 12-INCH	753.70	TO STR: 214	18.50'	1.00%	
214.2	SIXTH-EAST	600+38.47	-13.50	LT	CATCH BASINS 2X3-MEN		759.62	751.59	8.02	2.00	214.2-214 OUT	S	SSPRC CLASS III 12-INCH	753.59	TO STR: 214	8.50'	1.00%	
215	SIXTH-EAST	600+46.47	-5.04	LT	CONCRETE COLLAR						215-214 OUT	W	SSPC 15-INCH	752.53	TO STR: 214	8.00'	0.30%	
216	SIXTH-WEST	599+56.22	-12.50	LT	MANHOLES 6-J-S		759.65	751.92	7.73	0.00	213-216 IN 216.1-216 IN 216.2-216 IN 216-217 OUT	E S N W	SSPRC CLASS III 42-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSP PVC 18-INCH	751.92 754.42 754.42 751.92	FROM STR: 213 FROM STR: 216.1 FROM STR: 216.2 TO STR: 217	-- -- -- 8.19'	-- -- -- 0.30%	
216.1	SIXTH-WEST	599+56.22	19.75	RT	CATCH BASINS 2X3-MEN		759.38	752.74	6.63	2.00	216.1-216 OUT	N	SSPRC CLASS III 12-INCH	754.74	TO STR: 216	32.25'	1.00%	
216.2	SIXTH-WEST	599+56.22	-18.25	LT	CATCH BASINS 2X3-MEN		759.38	752.48	6.90	2.00	216.2-216 OUT	S	SSPRC CLASS III 12-INCH	754.48	TO STR: 216	5.75'	1.00%	
217	SIXTH-WEST	599+48.22	-14.26	LT	CONNECT TO EX SS PIPE						216-217 IN	E	SSP PVC 18-INCH	751.89	FROM STR: 216	--	--	
218	RACINE	89+99.73	-15.00	LT	MANHOLES 4-J-S		759.98	752.76	7.22	0.00	219-218 IN 218.1-218 IN 218.2-218 IN 218-213 OUT	N W E S	SSPRC CLASS III 18-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	752.76 755.26 755.26 752.76	FROM STR: 219 FROM STR: 218.1 FROM STR: 218.2 TO STR: 213	-- -- -- 28.99'	-- -- -- 0.50%	
218.1	RACINE	89+99.73	-21.00	LT	CATCH BASINS 2X3-MEN		759.71	753.32	6.39	2.00	218.1-218 OUT	E	SSPRC CLASS III 12-INCH	755.32	TO STR: 218	6.00'	1.00%	
218.2	RACINE	89+99.73	21.00	RT	CATCH BASINS 2X3-MEN		759.83	753.62	6.21	2.00	218.2-218 OUT	W	SSPRC CLASS III 12-INCH	755.62	TO STR: 218	36.00'	1.00%	
219	RACINE	92+50.00	-15.00	LT	MANHOLES 4-J-S		760.13	754.01	6.12	0.00	219.3-219 IN 219.1-219 IN 219-218 OUT	E W S	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH	755.01 754.61 754.01	FROM STR: 219.3 FROM STR: 219.1 TO STR: 218	-- -- 250.27'	-- -- 0.50%	
219.1	RACINE	92+50.00	-21.00	LT	CATCH BASINS 2X3-MEN		759.86	752.67	7.19	2.00	219.2-219.1 IN 219.1-219 OUT	NW E	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	754.92 754.67	FROM STR: 219.2 TO STR: 219	-- 6.00'	-- 1.00%	
219.2	RACINE	92+62.63	-48.98	LT	CONNECT TO EX MH						219.2-219.1 OUT	SE	SSPRC CLASS III 12-INCH	755.21	TO STR: 219.1	30.70'	0.95%	
219.3	RACINE	92+50.00	21.00	RT	CATCH BASINS 2X3-MEN		759.98	753.37	6.61	2.00	621 IN 219.3-219 OUT	N W	SSP PVC 6-INCH SSPRC CLASS III 12-INCH	755.87 755.37	FROM STR: TO STR: 219	-- 36.00'	-- 1.00%	
301	RACINE	95+50.00	-10.00	LT	MANHOLES 4-J-S		760.28	754.70	5.59	0.00	301.1-301 IN 301.2-301 IN 301-302 OUT	W E N	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH	755.45 755.20 754.70	FROM STR: 301.1 FROM STR: 301.2 TO STR: 302	-- -- 175.00'	-- -- 0.50%	
301.1	RACINE	95+50.00	-21.00	LT	CATCH BASINS 2X3-MEN		759.91	753.56	6.36	2.00	301.1-301 OUT	E	SSPRC CLASS III 12-INCH	755.56	TO STR: 301	11.00'	1.00%	
301.2	RACINE	95+50.00	22.18	RT	CATCH BASINS 2X3-MEN		760.06	753.52	6.54	2.00	301.3-301.2 IN 301.2-301 OUT	S W	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	755.77 755.52	FROM STR: 301.3 TO STR: 301	-- 32.18'	-- 1.00%	
301.3	RACINE	95+30.00	21.78	RT	CATCH BASINS 2X3-MEN		760.12	753.97	6.15	2.00	301.3-301.2 OUT	N	SSPRC CLASS III 12-INCH	755.97	TO STR: 301.2	20.00'	1.00%	
302	RACINE	97+25.00	-10.00	LT	MANHOLES 4-J-S		760.19	753.82	6.37	0.00	301-302 IN 302.2-302 IN 302.1-302 IN 302-303 OUT	S E W N	SSPRC CLASS III 18-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	753.82 755.32 755.32 753.82	FROM STR: 301 FROM STR: 302.2 FROM STR: 302.1 TO STR: 303	-- -- -- 45.45'	-- -- -- 0.50%	
302.1	RACINE	97+25.00	-23.00	LT	CATCH BASINS 2X3-MEN		759.78	753.45	6.33	2.00	302.1-302 OUT	E	SSPRC CLASS III 12-INCH	755.45	TO STR: 302	13.00'	1.00%	
302.2	RACINE	97+25.00	23.00	RT	CATCH BASINS 2X3-MEN		759.98	753.65	6.33	2.00	302.2-302 OUT	W	SSPRC CLASS III 12-INCH	755.65	TO STR: 302	33.00'	1.00%	
303	RACINE	97+70.45	-10.00	LT	MANHOLES 4-J-S		760.40	753.59	6.80	0.00	302-303 IN 303.1-303 IN 303-304 OUT	S W N	SSPRC CLASS III 18-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 18-INCH	753.59 755.09 753.59	FROM STR: 302 FROM STR: 303.1 TO STR: 304	-- -- 43.33'	-- -- 0.50%	
303.1	RACINE	97+70.45	-23.61	LT	CATCH BASINS 2X3-MEN		759.98	753.37	6.61	2.00	303.2-303.1 IN 303.1-303 OUT	SW E	SSPC 10-INCH SSPRC CLASS III 15-INCH	757.13 755.37	FROM STR: 303.2 TO STR: 303	-- 13.61'	-- 2.00%	
303.2	RACINE	97+64.38	-31.56	LT	CONNECT TO EX SS PIPE						303.2-303.1 OUT	NE	SSPC 10-INCH	757.33	TO STR: 303.1	10.00'	2.00%	
304	RACINE	98+13.79	-10.00	LT	MANHOLES 5-BLT		760.71	752.63	8.08	0.00	306-304 IN 303-304 IN 304-305 OUT	E S W	SSPRC CLASS III 18-INCH SSPRC CLASS III 18-INCH SSPRC CLASS III 24-INCH	753.13 753.38 752.63	FROM STR: 306 FROM STR: 303 TO STR: 305	-- -- 64.00'	-- -- 0.30%	

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STORM SEWER STRUCTURE DATA

STRUCTURE NUMBER	ALIGNMENT	STATION	OFFSET	LOCATION	TYPE	EXISTING RIM/GRATE ELEVATION	PROPOSED RIM/GRATE ELEVATION	STRUCTURE INV ELEV	TOTAL DEPTH	SUMP DEPTH	CONNECTING PIPES	PIPE DIRECTION	PIPE SIZE & TYPE	PIPE INVERT	PIPE ROUTE	PIPE LENGTH	PIPE SLOPE	REMARKS
305	SEVENTH-WEST	699+25.91	17.27	RT	CONCRETE COLLAR						304-305 IN	E	SSPRC CLASS III 24-INCH	752.44	FROM STR: 304	--	--	
306	SEVENTH-EAST	700+47.31	9.67	RT	MANHOLES 4-BLT		760.54	753.30	7.24	0.00	307-306 IN 306.1-306 IN 306-304 OUT	E S W	SSP PVC 18-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 18-INCH	753.30 755.80 753.30	FROM STR: 307 FROM STR: 306.1 TO STR: 304	-- -- 57.36'	-- -- 0.30%	
306.1	SEVENTH-EAST	700+47.31	18.00	RT	CATCH BASINS 2X3-MEN		760.18	753.88	6.30	2.00	306.1-306 OUT	N	SSPRC CLASS III 12-INCH	755.88	TO STR: 306	8.33'	1.00%	
307	SEVENTH-EAST	700+55.31	9.68	RT	CONNECT TO EX SS PIPE						307-306 OUT	W	SSP PVC 18-INCH	753.34	TO STR: 306	8.00'	0.50%	
401	SEVENTH-WEST	699+25.99	2.06	RT	CONCRETE COLLAR						402-401 IN	E	SSPRC CLASS IV 60-INCH	753.43	FROM STR: 402	--	--	
402	RACINE	98+29.04	-10.00	LT	MANHOLES 8-BLT		760.76	753.59	7.17	0.00	403-402 IN 404-402 IN 402-401 OUT	E N W	SSPRC CLASS IV 60-INCH SSPRC CLASS III 36-INCH SSPRC CLASS IV 60-INCH	753.59 753.59 753.59	FROM STR: 403 FROM STR: 404 TO STR: 401	-- -- 64.00'	-- -- 0.26%	
403	SEVENTH-EAST	700+63.31	-5.21	LT	CONCRETE COLLAR						403-402 OUT	W	SSPRC CLASS IV 60-INCH	753.78	TO STR: 402	73.28'	0.26%	
404	RACINE	98+42.00	-10.00	LT	MANHOLES 5-BLT		760.69	753.63	7.06	0.00	405-404 IN 404.1-404 IN 404-402 OUT	N E S	SSPRC CLASS III 30-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 36-INCH	753.63 753.63 753.63	FROM STR: 405 FROM STR: 404.1 TO STR: 402	-- -- 12.97'	-- -- 0.30%	
404.1	SEVENTH-EAST	700+47.31	-18.00	LT	CATCH BASINS 2X3-MEN		760.18	754.20	5.98	2.00	404.1-404 OUT	W	SSPRC CLASS III 12-INCH	756.20	TO STR: 404	57.21'	4.50%	
405	RACINE	100+00.00	-10.00	LT	MANHOLES 5-BLT		760.12	754.10	6.02	0.00	406-405 IN 405.4-405 IN 405.1-405 IN 405-404 OUT	N E W S	SSPRC CLASS III 30-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 30-INCH	754.10 754.85 754.85 754.10	FROM STR: 406 FROM STR: 405.4 FROM STR: 405.1 TO STR: 404	-- -- -- 158.00'	-- -- -- 0.30%	
405.1	RACINE	100+00.00	-21.77	LT	CATCH BASINS 2X3-MEN		759.74	752.97	6.77	2.00	405.2-405.1 IN 405.1-405 OUT	N E	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	755.22 754.97	FROM STR: 405.2 TO STR: 405	-- 11.77'	-- 1.00%	
405.2	RACINE	100+16.59	-21.00	LT	CATCH BASINS 2X3-MEN		759.81	753.39	6.42	2.00	405.3-405.2 IN 405.2-405.1 OUT	W S	SSP PVC 10-INCH SSPRC CLASS III 12-INCH	757.27 755.39	FROM STR: 405.3 TO STR: 405.1	-- 16.61'	-- 1.00%	
405.3	RACINE	100+16.52	-29.00	LT	CONNECT TO EX SS PIPE						405.3-405.2 OUT	E	SSP PVC 10-INCH	757.43	TO STR: 405.2	8.00'	2.00%	
405.4	RACINE	100+00.00	22.69	RT	CATCH BASINS 2X3-MEN		759.91	753.18	6.73	2.00	405.5-405.4 IN 405.6-405.4 IN 405.4-405 OUT	S N W	SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	755.43 755.43 755.18	FROM STR: 405.5 FROM STR: 405.6 TO STR: 405	-- -- 32.69'	-- -- 1.00%	
405.5	RACINE	99+85.00	22.94	RT	CATCH BASINS 2X3-MEN		759.95	753.58	6.37	2.00	405.5-405.4 OUT	N	SSPRC CLASS III 12-INCH	755.58	TO STR: 405.4	15.00'	1.00%	
405.6	RACINE	100+10.00	22.52	RT	CATCH BASINS 2X3-MEN		759.94	753.53	6.41	2.00	405.6-405.4 OUT	S	SSPRC CLASS III 12-INCH	755.53	TO STR: 405.4	10.00'	1.00%	
406	RACINE	102+81.93	-10.00	LT	MANHOLES 4-BLT		760.96	754.95	6.01	0.00	407-406 IN 406.1-406 IN 406-405 OUT	N W S	SSPRC CLASS III 24-INCH SSP PVC 10-INCH SSPRC CLASS III 30-INCH	754.95 756.15 754.95	FROM STR: 407 FROM STR: 406.1 TO STR: 405	-- -- 281.93'	-- -- 0.30%	
406.1	RACINE	102+82.00	-18.00	LT	CONNECT TO EX SS PIPE						406.1-406 OUT	E	SSP PVC 10-INCH	756.19	TO STR: 406	8.00'	0.50%	
407	RACINE	103+20.00	-10.00	LT	MANHOLES 4-BLT		760.85	755.06	5.78	0.00	408-407 IN 407.1-407 IN 407.2-407 IN 407-406 OUT	N W E S	SSPRC CLASS III 24-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	755.06 756.06 755.81 755.06	FROM STR: 408 FROM STR: 407.1 FROM STR: 407.2 TO STR: 406	-- -- -- 38.07'	-- -- -- 0.30%	
407.1	RACINE	103+20.00	-21.00	LT	CATCH BASINS 2X3-MEN		760.48	754.17	6.30	2.00	407.1-407 OUT	E	SSPRC CLASS III 12-INCH	756.17	TO STR: 407	11.00'	1.00%	
407.2	RACINE	103+20.00	21.00	RT	CATCH BASINS 2X3-MEN		760.60	753.97	6.63	2.00	407.3-407.2 IN 407.2-407 OUT	N W	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	756.22 755.97	FROM STR: 407.3 TO STR: 407	-- 31.00'	-- 0.50%	
407.3	RACINE	103+40.00	21.00	RT	CATCH BASINS 2X3-MEN		760.66	754.82	5.84	1.50	407.3-407.2 OUT	S	SSPRC CLASS III 12-INCH	756.32	TO STR: 407.2	20.00'	0.50%	
408	RACINE	106+00.00	-10.00	LT	MANHOLES 4-BLT		761.39	755.90	5.48	0.00	409-408 IN 408.1-408 IN 408.2-408 IN 408-407 OUT	N W E S	SSPRC CLASS III 24-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 24-INCH	755.90 756.90 756.90 755.90	FROM STR: 409 FROM STR: 408.1 FROM STR: 408.2 TO STR: 407	-- -- -- 280.00'	-- -- -- 0.30%	
408.1	RACINE	106+00.00	-21.00	LT	CATCH BASINS 2X3-MEN		761.02	754.96	6.06	2.00	408.1-408 OUT	E	SSPRC CLASS III 12-INCH	756.96	TO STR: 408	11.00'	0.50%	
408.2	RACINE	106+00.00	21.00	RT	CATCH BASINS 2X3-MEN		761.14	755.06	6.08	2.00	408.2-408 OUT	W	SSPRC CLASS III 12-INCH	757.06	TO STR: 408	31.00'	0.50%	

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409	RACINE	106+78.48	-10.00	LT	MANHOLES 4-BLT		761.62	756.14	5.48	0.00	411-409 IN 410-409 IN 409-408 OUT	E N S	SSPRC CLASS III 15-INCH SSPRC CLASS III 15-INCH SSPRC CLASS III 24-INCH	756.64 756.64 756.14	FROM STR: 411 FROM STR: 410 TO STR: 408	-- -- 78.48'	-- -- 0.30%	
410	RACINE	107+10.97	-21.00	LT	MANHOLES 4-BLT		761.51	756.81	4.70	0.00	410.2-410 IN 410.1-410 IN 410-409 OUT	N W S	SSPRC CLASS III 15-INCH SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	756.81 757.06 756.81	FROM STR: 410.2 FROM STR: 410.1 TO STR: 409	-- -- 34.31'	-- -- 0.50%	
410.1	EIGHTH-WEST	799+56.72	-25.00	LT	CATCH BASINS 2X3-MEN		761.17	755.17	5.99	2.00	410.1-410 OUT	E	SSPRC CLASS III 12-INCH	757.17	TO STR: 410	22.40'	0.50%	
410.2	RACINE	107+34.65	-21.00	LT	CATCH BASINS 2X3-MEN		761.42	754.93	6.49	2.00	410.3-410.2 IN 410.2-410 OUT	E S	SSPRC CLASS III 12-INCH SSPRC CLASS III 15-INCH	757.18 756.93	FROM STR: 410.3 TO STR: 410	-- 23.67'	-- 0.50%	
410.3	RACINE	107+34.65	21.00	RT	CATCH BASINS 2X3-MEN		761.54	755.39	6.15	2.00	410.3-410.2 OUT	W	SSPRC CLASS III 12-INCH	757.39	TO STR: 410.2	42.00'	0.50%	
411	EIGHTH-EAST	800+43.75	12.50	RT	MANHOLES 4-BLT		761.51	756.91	4.60	0.00	412-411 IN 411.2-411 IN 411.1-411 IN 411-409 OUT	E N S W	SSPRC CLASS IV 12-INCH SSPRC CLASS IV 12-INCH SSPRC CLASS IV 12-INCH SSPRC CLASS III 15-INCH	758.18 757.16 757.16 756.91	FROM STR: 412 FROM STR: 411.2 FROM STR: 411.1 TO STR: 409	-- -- -- 53.83'	-- -- -- 0.50%	
411.1	EIGHTH-EAST	800+43.75	19.50	RT	CATCH BASINS 2X3-MEN		761.16	755.23	5.93	2.00	411.1-411 OUT	N	SSPRC CLASS IV 12-INCH	757.23	TO STR: 411	7.00'	1.00%	
411.2	EIGHTH-EAST	800+43.75	-19.50	LT	CATCH BASINS 2X3-MEN		761.34	755.48	5.87	2.00	411.2-411 OUT	S	SSPRC CLASS IV 12-INCH	757.48	TO STR: 411	32.00'	1.00%	
412	EIGHTH-EAST	800+51.75	12.46	RT	CONCRETE COLLAR						412-411 OUT	W	SSPRC CLASS IV 12-INCH	758.21	TO STR: 411	8.00'	0.40%	
499	RACINE	108+28.37	-15.50	LT	ADJUST EX MH	762.03	761.96											
500	RACINE	113+03.49	-15.36	LT	CONNECT TO EX SS PIPE						500-501 OUT	N	SSP PVC 10-INCH	756.12	TO STR: 501	5.00'	0.28%	
501	RACINE	113+08.48	-15.00	LT	MANHOLES 4-BLT		760.40	753.44	6.96	0.00	501.1-501 IN 501.2-501 IN 500-501 IN 501-502 OUT	W E S N	SSPRC CLASS III 12-INCH SSPRC CLASS IV 12-INCH SSP PVC 10-INCH SSPRC CLASS III 12-INCH	755.94 755.94 756.11 753.44	FROM STR: 501.1 FROM STR: 501.2 FROM STR: 500 TO STR: 502	-- -- -- 21.52'	-- -- -- 0.30%	
501.1	RACINE	113+08.45	-21.00	LT	CATCH BASINS 2X3-MEN		760.13	754.00	6.13	2.00	501.1-501 OUT	E	SSPRC CLASS III 12-INCH	756.00	TO STR: 501	6.00'	1.00%	
501.2	RACINE	113+08.48	21.00	RT	CATCH BASINS 2X3-MEN		760.13	754.30	5.83	2.00	501.3-501.2 IN 501.2-501 OUT	S W	SSPRC CLASS IV 12-INCH SSPRC CLASS IV 12-INCH	756.30 756.30	FROM STR: 501.3 TO STR: 501	-- 36.00'	-- 1.00%	
501.3	RACINE	112+78.48	21.00	RT	CATCH BASINS 2X3-MEN		760.25	754.60	5.65	2.00	501.3-501.2 OUT	N	SSPRC CLASS IV 12-INCH	756.60	TO STR: 501.2	30.00'	1.00%	
502	RACINE	113+29.99	-15.46	LT	CONCRETE COLLAR						501-502 IN	S	SSPRC CLASS III 12-INCH	753.38	FROM STR: 501	--	--	

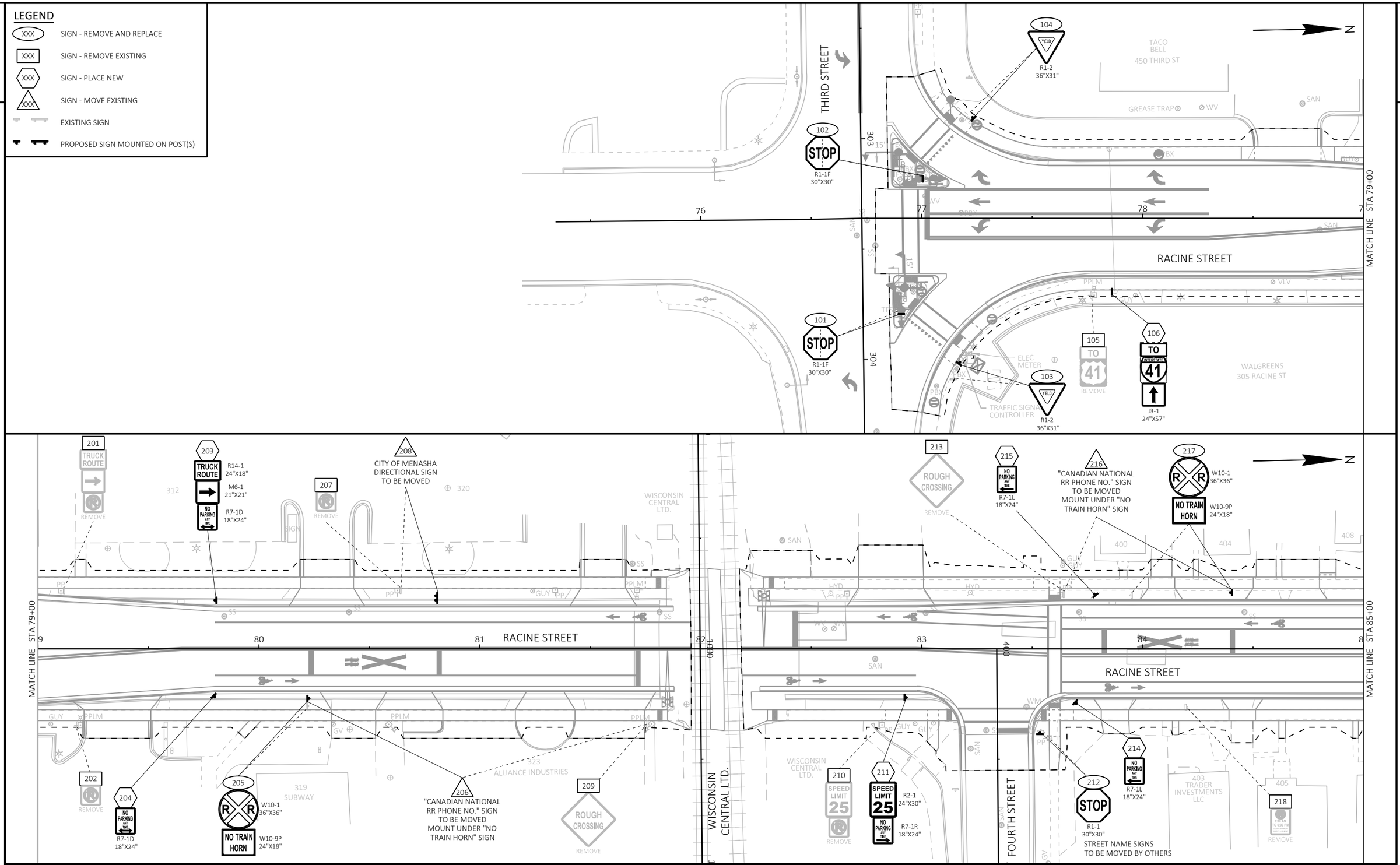
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3. CONTRACTOR SHALL VERIFY EXISTING PIPE SIZES, MATERIALS AND INVERT ELEVATION WHEN CONNECTING NEW STORM SEWER INTO EXISTING PIPES PRIOR TO MANUFACTURING INLETS AND MANHOLES.
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2

LEGEND

- XXX — SIGN - REMOVE AND REPLACE
- XXX — SIGN - REMOVE EXISTING
- XXX — SIGN - PLACE NEW
- XXX — SIGN - MOVE EXISTING
- EXISTING SIGN
- PROPOSED SIGN MOUNTED ON POST(S)

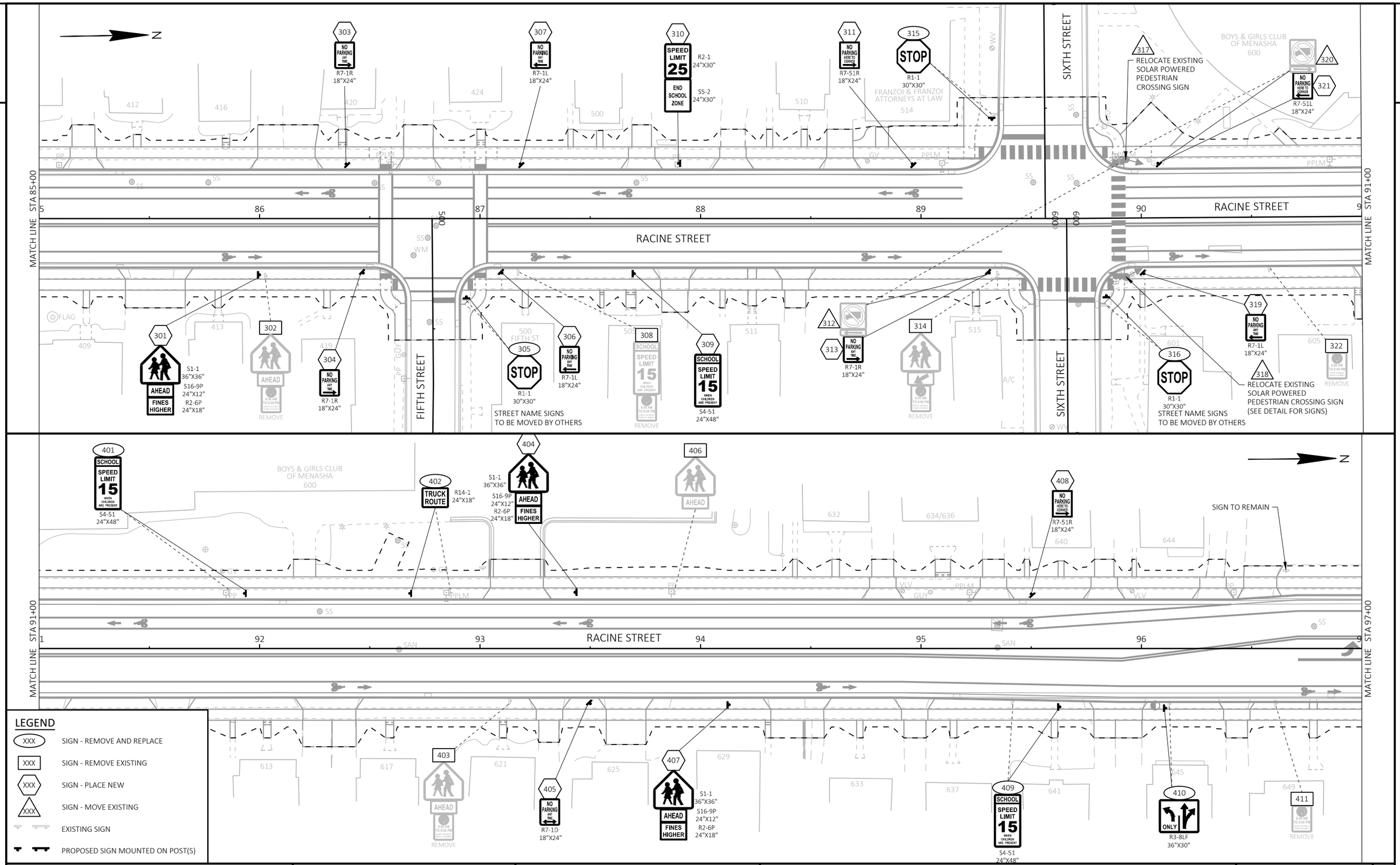


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	SIGNING PLAN	SHEET 79	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-023201-PS.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:13 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	SIGNING PLAN	SHEET 80	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-023201-PS.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 7/31/2024 11:02 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

ST. TIMOTHY EV LUTHERAN CONGREGATION
473 SEVENTH ST

MENASHA HIGH SCHOOL
420 SEVENTH ST

SEVENTH STREET

RACINE STREET

MATCH LINE STA 97+00

MATCH LINE STA 103+00

504 ONLY
R3-8LF
36"X30"

505
MOVE BUS STOP SIGN

501
REMOVE

503 STOP
R1-1F
30"X30"

507 SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24"X48"

TRAFFIC SIGNAL CONTROLER

509
REMOVE

510 ONLY
REMOVE

511 ONLY
R3-8LF
36"X30"

NO PARKING HERE TO CORNER
R7-51L
18"X24"

502 NO PARKING ANY TIME
R7-1R
18"X24"

506 STOP HERE ON RED
R10-6
24"X36"

STOP
R1-1F
30"X30"

508 NO PARKING ANY TIME
R7-1L
18"X24"

512 SPEED LIMIT 25
R2-1
24"X30"

513 SPEED LIMIT 25
REMOVE

514 NO PARKING ANY TIME
R7-1D
18"X24"

STREET NAME SIGNS TO BE MOVED BY OTHERS

SIGNS TO REMAIN

LEGEND

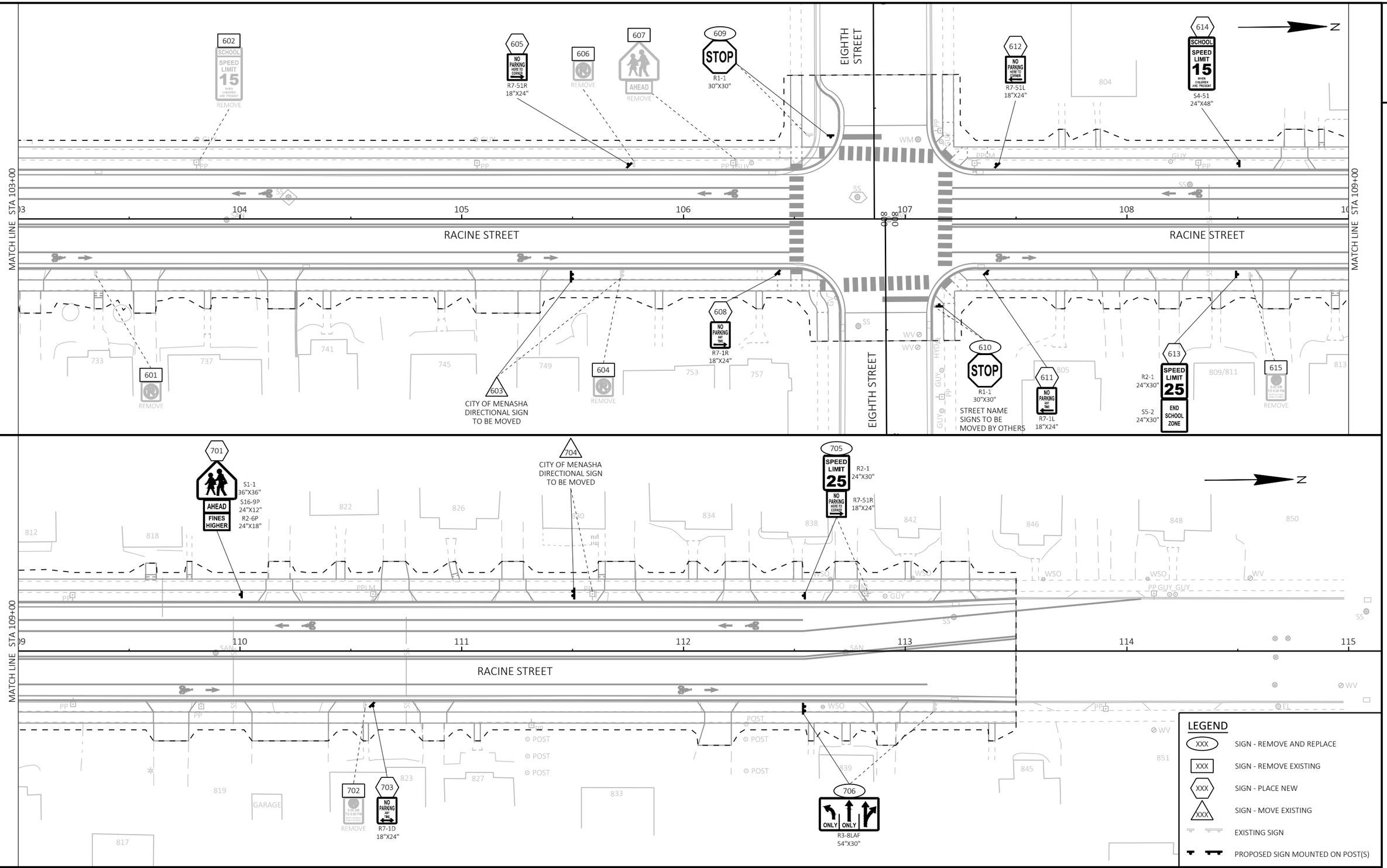
- XXX — SIGN - REMOVE AND REPLACE
- XXX — SIGN - REMOVE EXISTING
- XXX — SIGN - PLACE NEW
- XXX — SIGN - MOVE EXISTING
- EXISTING SIGN
- PROPOSED SIGN MOUNTED ON POST(S)

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	SIGNING PLAN	SHEET 81	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-023201-PS.DWG
LAYOUT NAME - Sheet-03

PLOT DATE : 7/31/2024 11:02 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	SIGNING PLAN	SHEET 82	E

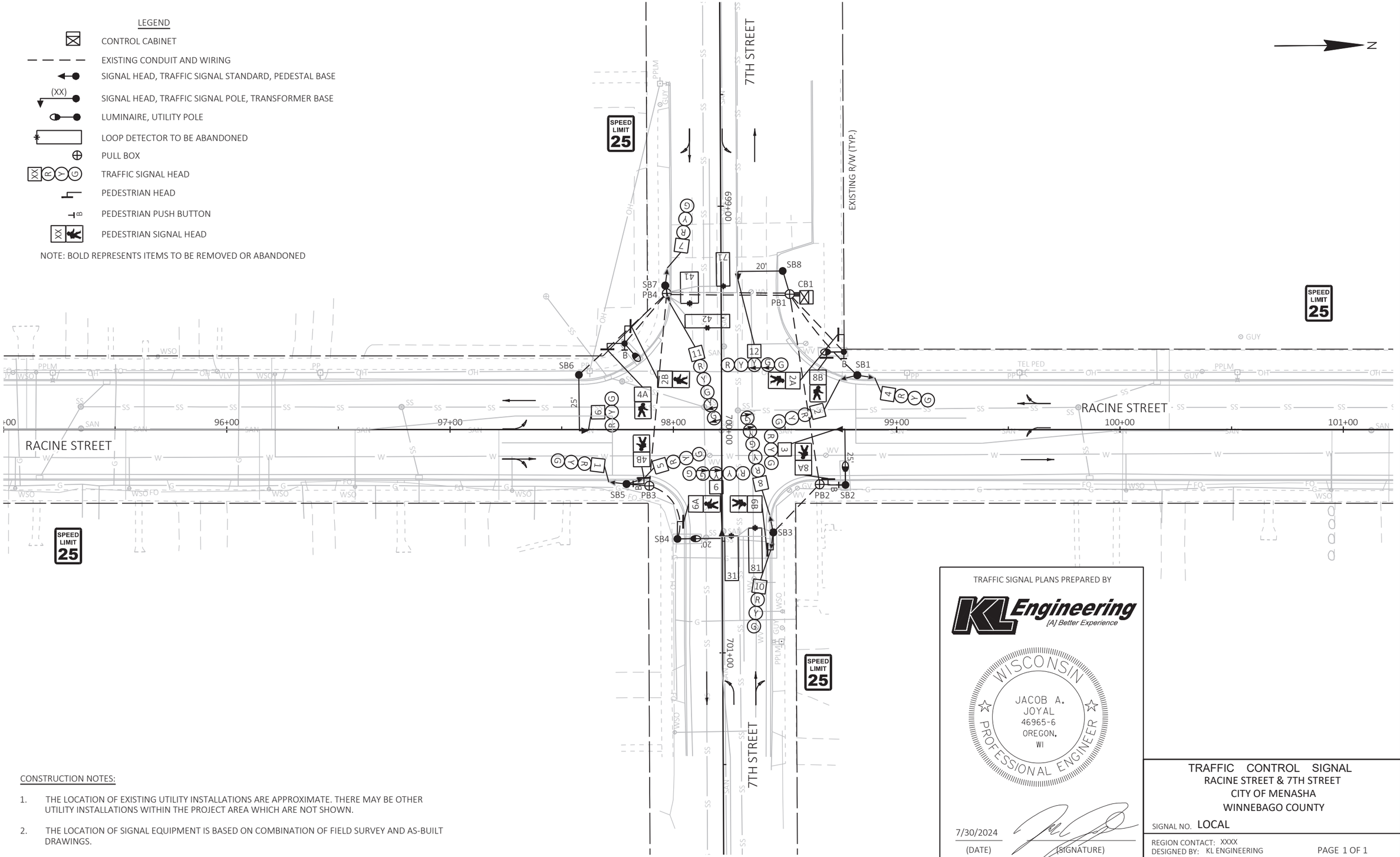
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-023201-PS.DWG
LAYOUT NAME - Sheet-04
PLOT DATE : 7/31/2024 9:13 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

LEGEND

- CONTROL CABINET
- EXISTING CONDUIT AND WIRING
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, UTILITY POLE
- LOOP DETECTOR TO BE ABANDONED
- PULL BOX
- TRAFFIC SIGNAL HEAD
- PEDESTRIAN HEAD
- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN SIGNAL HEAD

NOTE: BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED



CONSTRUCTION NOTES:

1. THE LOCATION OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
2. THE LOCATION OF SIGNAL EQUIPMENT IS BASED ON COMBINATION OF FIELD SURVEY AND AS-BUILT DRAWINGS.

TRAFFIC SIGNAL PLANS PREPARED BY

KL Engineering
[A] Better Experience

WISCONSIN
JACOB A. JOYAL
46965-6
OREGON, WI
PROFESSIONAL ENGINEER

7/30/2024
(DATE)

(SIGNATURE)

TRAFFIC CONTROL SIGNAL
RACINE STREET & 7TH STREET
CITY OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. LOCAL

REGION CONTACT: XXXX
DESIGNED BY: KL ENGINEERING
REVISED BY: XXXX

PAGE 1 OF 1

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 83	E

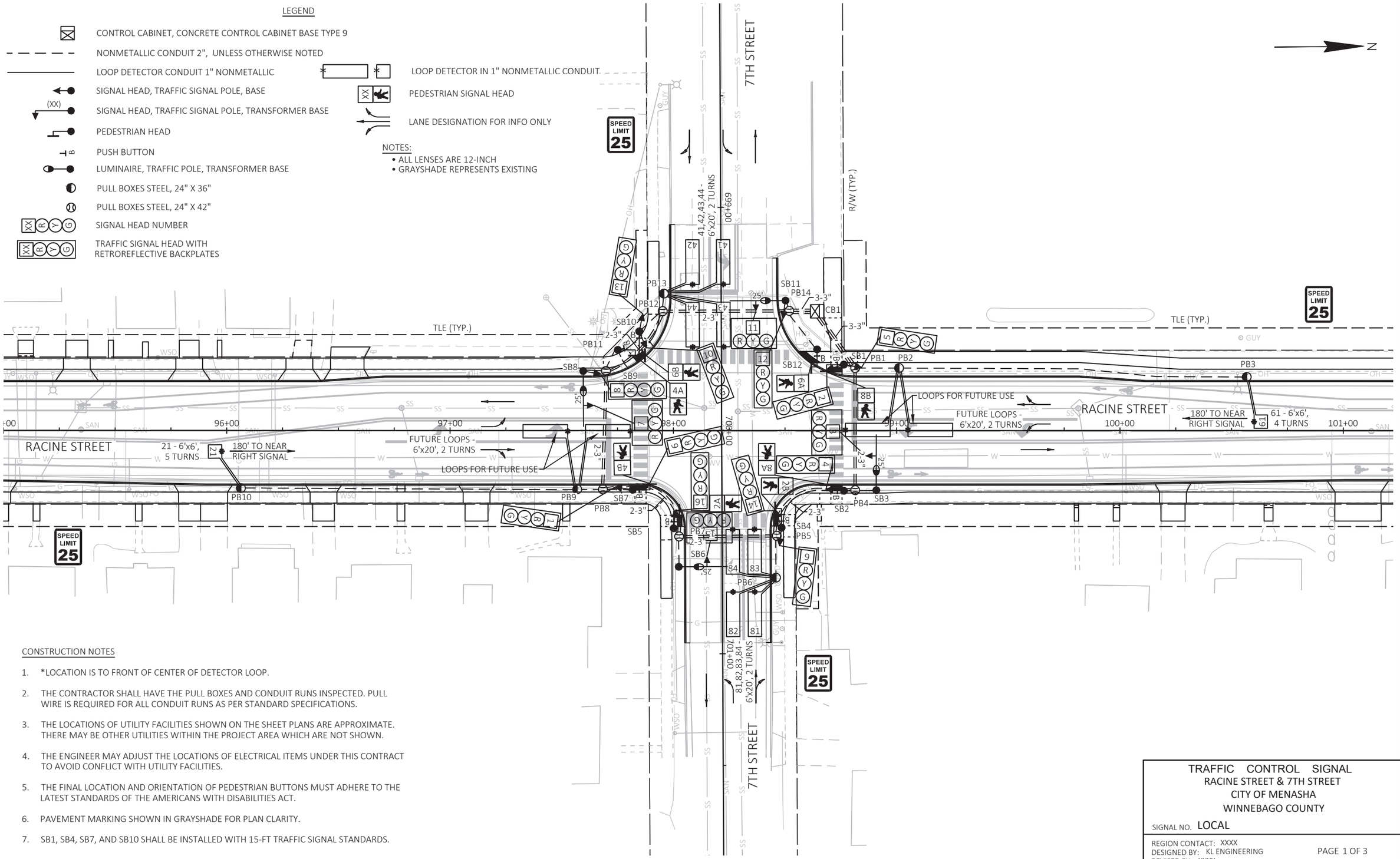
FILE NAME : G:\GREMMER\21073-000 - RACINE ST, MENASHA\CIVIL 3D\SHEETSPLAN\SIGNALS\024001-SR_07232024.DWG
LAYOUT NAME - Racine & 7th
PLOT DATE : 7/30/2024 12:53 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET, CONCRETE CONTROL CABINET BASE TYPE 9
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL POLE, BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- PEDESTRIAN HEAD
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOXES STEEL, 24" X 36"
- PULL BOXES STEEL, 24" X 42"
- SIGNAL HEAD NUMBER
- TRAFFIC SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATES
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PEDESTRIAN SIGNAL HEAD
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES

1. *LOCATION IS TO FRONT OF CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED. PULL WIRE IS REQUIRED FOR ALL CONDUIT RUNS AS PER STANDARD SPECIFICATIONS.
3. THE LOCATIONS OF UTILITY FACILITIES SHOWN ON THE SHEET PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.
4. THE ENGINEER MAY ADJUST THE LOCATIONS OF ELECTRICAL ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH UTILITY FACILITIES.
5. THE FINAL LOCATION AND ORIENTATION OF PEDESTRIAN BUTTONS MUST ADHERE TO THE LATEST STANDARDS OF THE AMERICANS WITH DISABILITIES ACT.
6. PAVEMENT MARKING SHOWN IN GRAYSHADE FOR PLAN CLARITY.
7. SB1, SB4, SB7, AND SB10 SHALL BE INSTALLED WITH 15-FT TRAFFIC SIGNAL STANDARDS.

TRAFFIC CONTROL SIGNAL
RACINE STREET & 7TH STREET
CITY OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. LOCAL

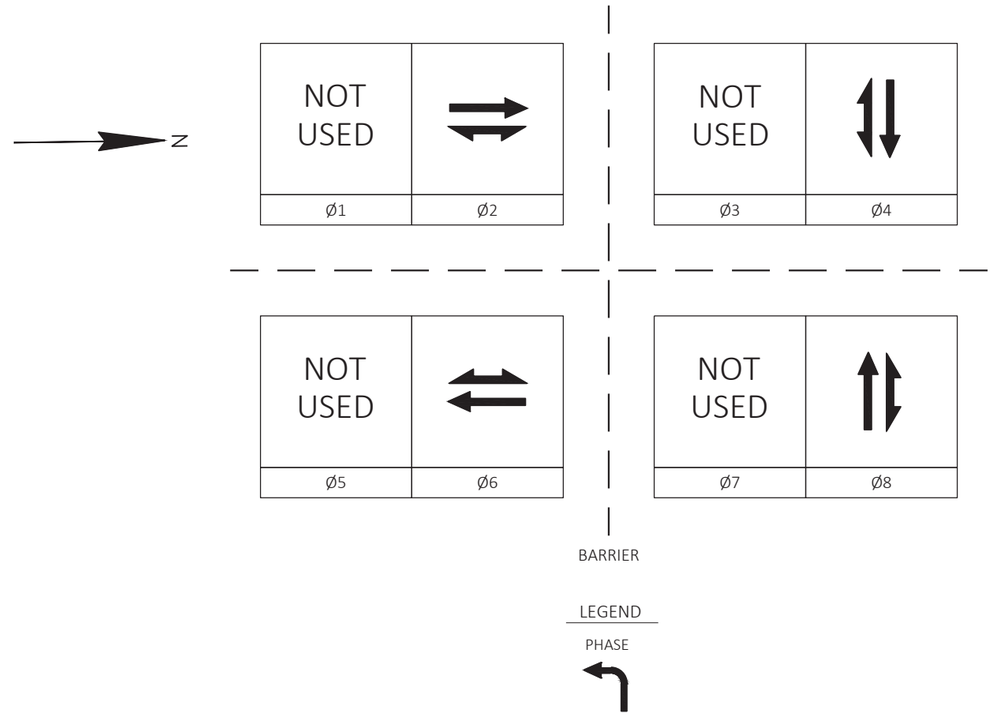
REGION CONTACT: XXXX
DESIGNED BY: KL ENGINEERING
REVISED BY: XXXX

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC SIGNAL PLAN	SHEET 84	E

FILE NAME : G:\GREMMER\21073-000 - RACINE ST, MENASHA\CIVIL 3D\SHEETSPLAN\024201-SP_07242023.DWG
LAYOUT NAME - Racine & 7th INT

PLOT DATE : 7/30/2024 1:52 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3,4	R
Ø3		
Ø4	13,14,15,16	R
Ø5		
Ø6	5,6,7,8	R
Ø7		
Ø8	9,10,11,12	R
Ø2 PED	2A,2B	
Ø4 PED	4A,4B	
Ø6 PED	6A,6B	
Ø8 PED	8A,8B	



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4		8		X
5				
6	X	2	MIN	X
7				
8		4		X

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTOR	

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC SIGNAL CABINET	X
IN SEPARATE LIGHTING CABINET	

TYPE OF INTERCONNECT	
NONE	X
TBC	
CLOSED LOOP TWISTED PAIR	
CLOSED LOOP FIBER OPTIC	
RADIO	

TYPE OF REMOTE COMMUNICATION	
NONE	X
FIBER	
CELL MODEM	
PHONE	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
DETECTOR #(S)		42	44		82	84											DETECTOR #(S)
PHASE CALLED		4	4		8	8											PHASE CALLED
PHASE EXTENDED		4	4		8	8											PHASE EXTENDED
DISCONNECT TIME																	DISCONNECT TIME
CALLING DELAY																	CALLING DELAY
EXTENSION STRETCH																	EXTENSION STRETCH
LOOP FUNCTION																	LOOP FUNCTION

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
DETECTOR #(S)	21	41	43	61	81	83											DETECTOR #(S)
PHASE CALLED	2	4	4	6	8	8											PHASE CALLED
PHASE EXTENDED	2	4	4	6	8	8											PHASE EXTENDED
DISCONNECT TIME																	DISCONNECT TIME
CALLING DELAY																	CALLING DELAY
EXTENSION STRETCH																	EXTENSION STRETCH
LOOP FUNCTION																	LOOP FUNCTION

TRAFFIC CONTROL SIGNAL
RACINE STREET & 7TH STREET
CITY OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. LOCAL

REGION CONTACT: XXXX
DESIGNED BY: KL ENGINEERING
REVISED BY: XXXX

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC SIGNAL PLAN	SHEET 85	E

FILE NAME : G:\GREMMER\21073-000 - RACINE ST, MENASHA\CIVIL 3D\SHEETSPLAN\024201-SP_07242023.DWG
LAYOUT NAME - Racine & 7th SOO
PLOT DATE : 7/30/2024 1:52 PM
PLOT BY : KL ENGINEERING
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

PROJECT NO:	4992-00-59
INTERSECTION:	RACINE STREET & 7TH STREET

SIGNAL WIRE	BLK-BLACK	RED-RED	GRN-GREEN
COLOR CODING	WHT-WHITE	BLU-BLUE	ORG-ORANGE

DATE:	######

CB1 TO	AWG 14 # OF COND.	HEAD NO.	PHASE	MOVEMENT	SIGNAL INDICATION WIRE COLOR									PED BUTTON	OTHER
					RED	YELLOW	GREEN	<RED>	<YELLOW>	<FLASH YEL>	<GREEN>	DWALK	WALK		
SB1	15	2	2	NB	RED	ORG	GRN								
		5	6	SB	RED/BLK	ORG/BLK	GRN/BLK								
		8B	8	WB								BLK	BLU		
		BUTTON	8	WB										*	
SB2	9	4	2	NB	RED	ORG	GRN								
		8A	8	WB								BLK	BLU		
		BUTTON	8	WB										*	
SB3	12	3	2	NB	RED	ORG	GRN								
SB4	15	9	8	WB	RED	ORG	GRN								
		14	4	EB	RED/BLK	ORG/BLK	GRN/BLK								
		2B	2	NB								BLK	BLU		
		BUTTON	2	NB										*	
SB5	9	16	4	EB	RED	ORG	GRN								
		2A	2	NB								BLK	BLU		
		BUTTON	2	NB										*	
SB6	12	15	4	EB	RED	ORG	GRN								
SB7	15	1	2	NB	RED	ORG	GRN								
		6	6	SB	RED/BLK	ORG/BLK	GRN/BLK								
		BUTTON	4	EB										*	
SB8	12	7	6	SB	RED	ORG	GRN								
		8	6	SB	RED	ORG	GRN								
SB9	7	4A	4	EB								BLK	BLU		
		BUTTON	4	EB										*	
SB10	15	10	8	WB	RED	ORG	GRN								
		13	4	EB	RED/BLK	ORG/BLK	GRN/BLK								
		6B	6	SB								BLK	BLU		
		BUTTON	6	SB										*	
SB11	15	11	8	WB	RED	ORG	GRN								
		12	8	WB	RED	ORG	GRN								
SB12	7	6A	6	SB								BLK	BLU		
		BUTTON	6	SB										*	

EQUIPMENT GROUNDING CONDUCTORS 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

PEDESTRIAN BUTTONS LOOP DETECTOR LEAD IN CABLE	
FROM	TO
CB1	SB1 BUTTON
CB1	SB2 BUTTON
CB1	SB4 BUTTON
CB1	SB5 BUTTON
CB1	SB7 BUTTON
CB1	SB9 BUTTON
CB1	SB10 BUTTON
CB1	SB12 BUTTON

NOTE: ALL RUNS SHALL BE COMPLETED WITH ONE CONTINUOUS CABLE FROM CABINET TO BUTTON. NO CABLE TO CABLE SPLICING IS PERMITTED.

LIGHTING UF 2-12 AWG W/GROUND	
FROM	TO
CB1	SB3
SB3	SB6
CB1	SB11
SB11	SB8

PULL BOX BONDING JUMPER 10 AWG GREEN XLP	
FROM	TO
CB1	PB1
PB2	SB1
PB3	SB1
PB4	SB3
PB5	SB4
PB6	SB4
PB7	SB5
PB8	SB7
PB9	SB7
PB10	SB7
PB11	SB8
PB12	SB10
PB13	SB10
PB14	CB1

NOTES:

1) USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.

* LOOP DETECTOR LEAD IN CABLE USED FOR PEDESTRIAN PUSH BUTTONS.

TRAFFIC CONTROL SIGNAL
7TH STREET & RACINE STREET
CITY OF MENASHA
WINNEBAGO COUNTY

SIGNAL NO. LOCAL

REGION CONTACT: XXXX
DESIGNED BY: KL ENGINEERING
REVISED BY: XXXX

PAGE 3 OF 3

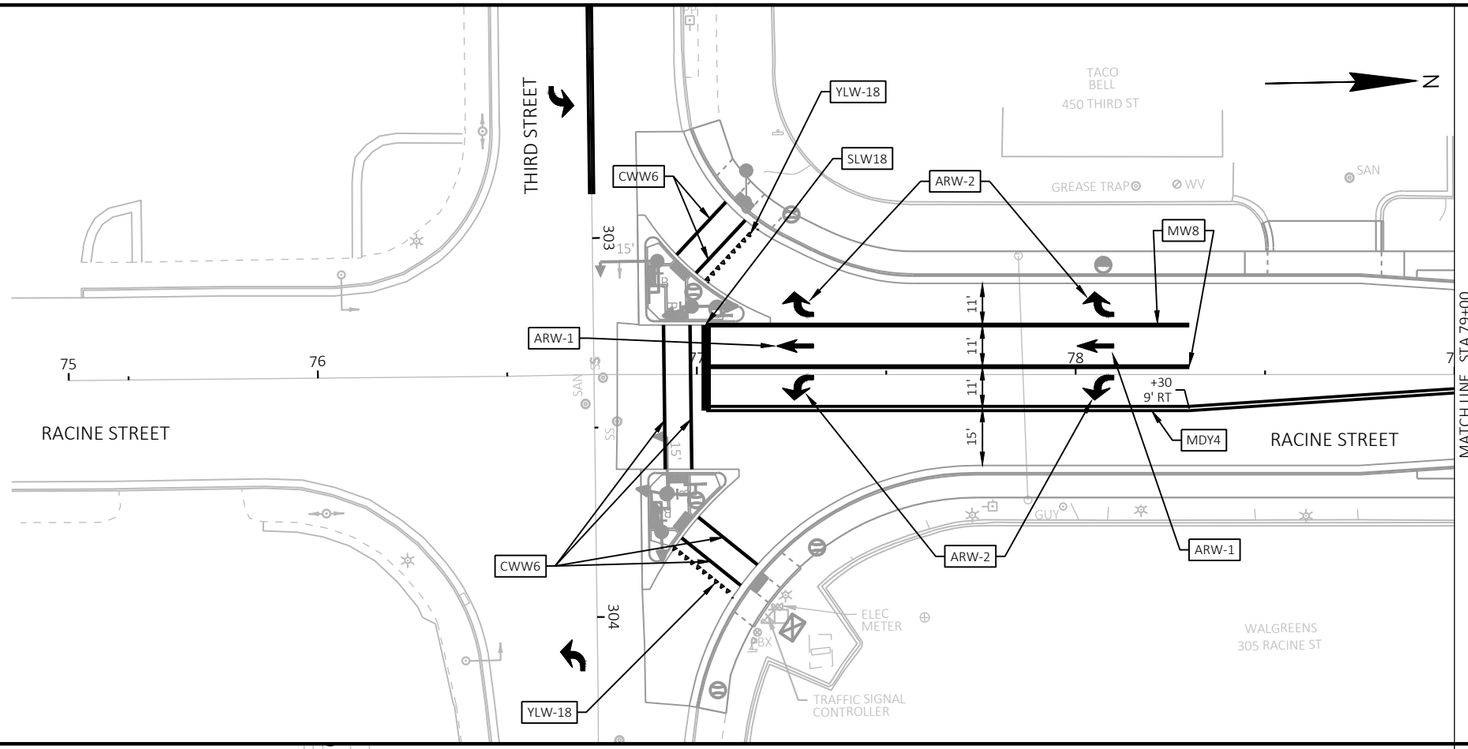
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CABLE ROUTING	SHEET 86	E

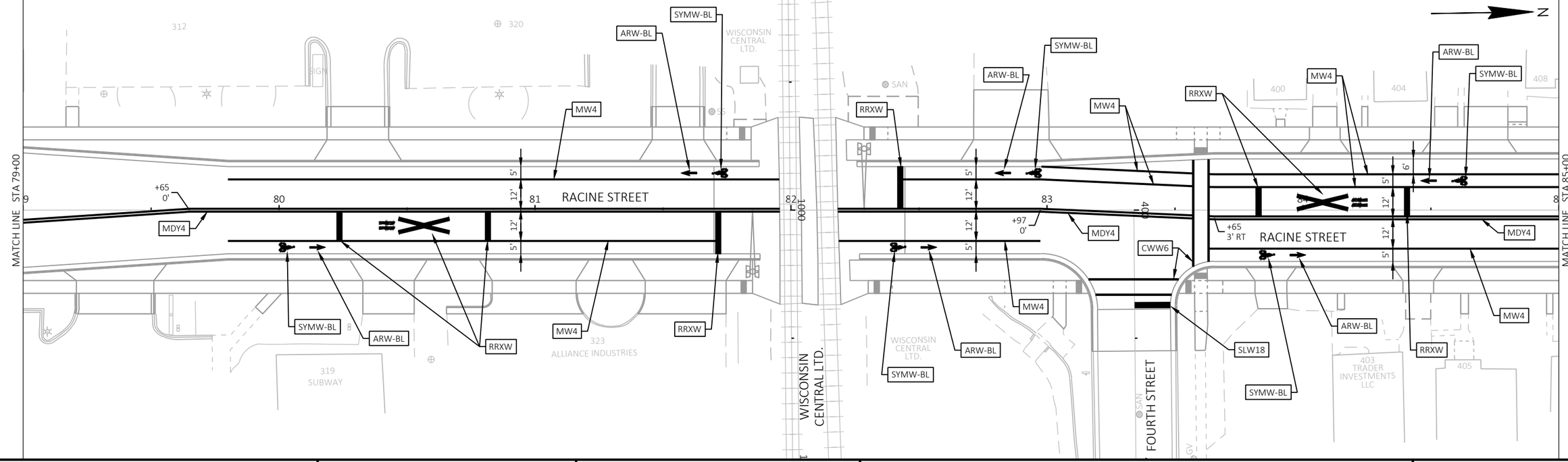
FILE NAME : G:\GREMMER\21073-000 - RACINE ST, MENASHA\CIVIL 3D\SHEETSPLAN\024201-SP_07242023.DWG
LAYOUT NAME - Racine & 7th CABLE ROUTING

PLOT DATE : 7/30/2024 1:52 PM PLOT BY : KL ENGINEERING PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

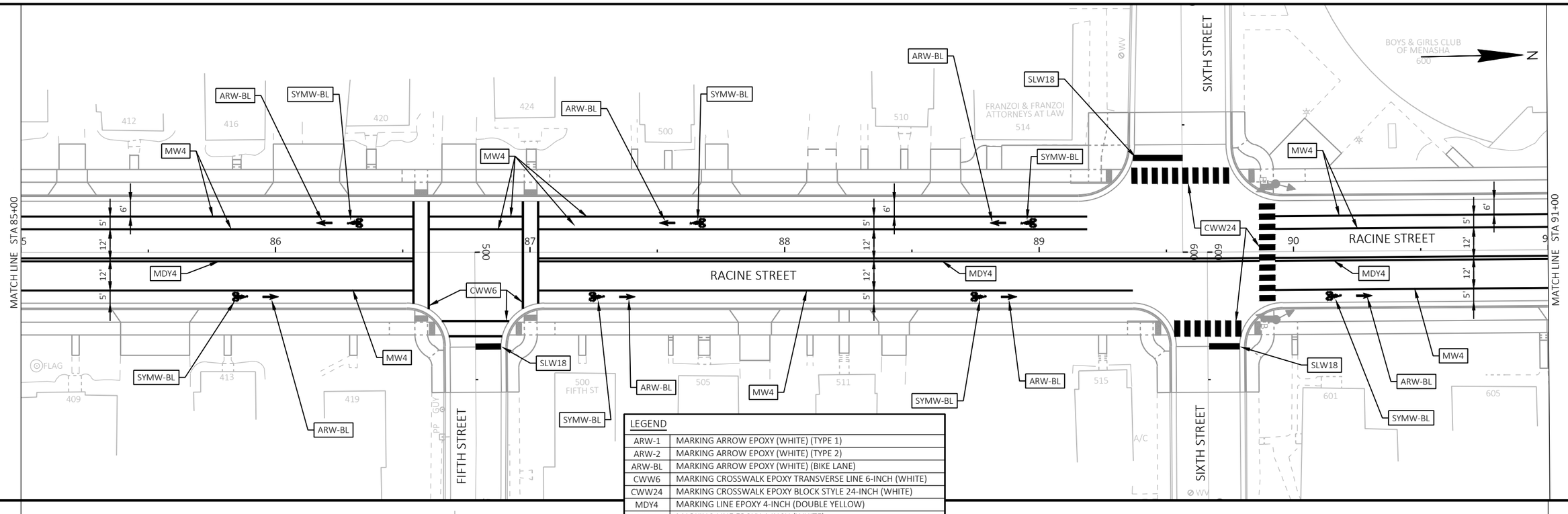
LEGEND	
ARW-1	MARKING ARROW EPOXY (WHITE) (TYPE 1)
ARW-2	MARKING ARROW EPOXY (WHITE) (TYPE 2)
ARW-BL	MARKING ARROW EPOXY (WHITE) (BIKE LANE)
CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
CWW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MDY4	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MW4	MARKING LINE EPOXY 4-INCH (WHITE)
MW8	MARKING LINE EPOXY 8-INCH (WHITE)
MY4	MARKING LINE EPOXY 4-INCH (YELLOW)
RRXW	MARKING RAILROAD CROSSING EPOXY (WHITE)
SLW18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
SYMW-BL	MARKING SYMBOL EPOXY (WHITE) (BIKE LANE)
WDW-O	MARKING WORD EPOXY (WHITE) ("ONLY")
WS4-12.5	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG, 37.5' GAP)
YLW18	MARKING YIELD LINE EPOXY 18-INCH (WHITE)



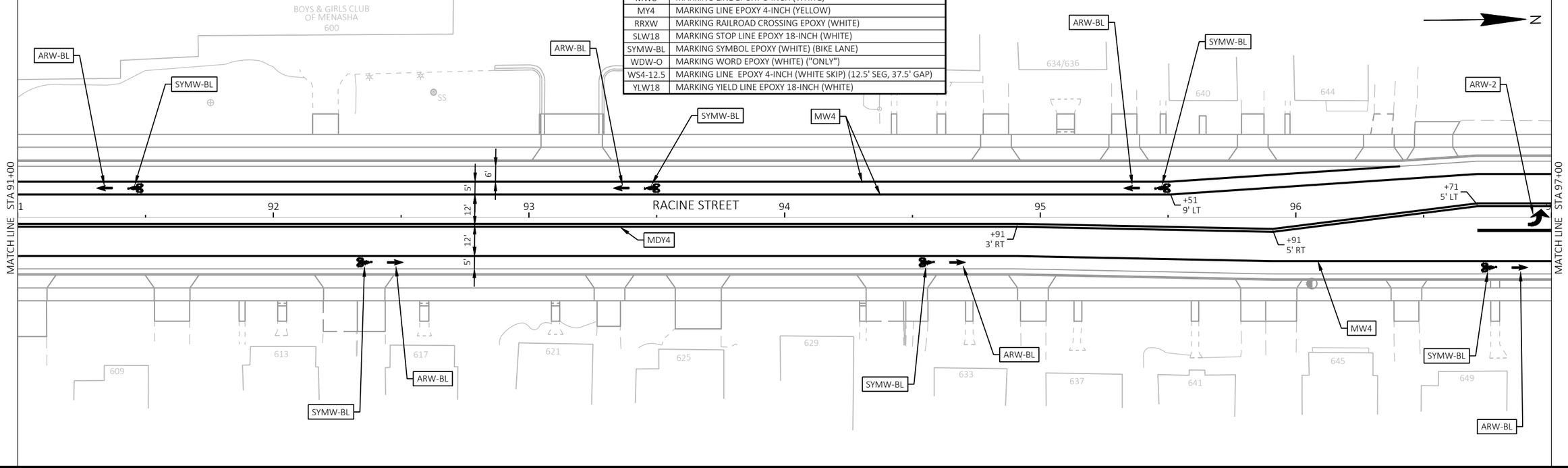


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT MARKING PLAN	SHEET 87	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-024501-PM.DWG
LAYOUT NAME - Sheet-01
PLOT DATE : 7/31/2024 9:14 AM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



LEGEND	
ARW-1	MARKING ARROW EPOXY (WHITE) (TYPE 1)
ARW-2	MARKING ARROW EPOXY (WHITE) (TYPE 2)
ARW-BL	MARKING ARROW EPOXY (WHITE) (BIKE LANE)
CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
CWW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MDY4	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MW4	MARKING LINE EPOXY 4-INCH (WHITE)
MW8	MARKING LINE EPOXY 8-INCH (WHITE)
MY4	MARKING LINE EPOXY 4-INCH (YELLOW)
RRXW	MARKING RAILROAD CROSSING EPOXY (WHITE)
SLW18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
SYMW-BL	MARKING SYMBOL EPOXY (WHITE) (BIKE LANE)
WDW-O	MARKING WORD EPOXY (WHITE) ("ONLY")
WS4-12.5	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG, 37.5' GAP)
YLW18	MARKING YIELD LINE EPOXY 18-INCH (WHITE)



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT MARKING PLAN	SHEET 88 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-024501-PM.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 7/31/2024 9:14 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

N

ST. TIMOTHY EV LUTHERAN CONGREGATION
473 SEVENTH ST

MENASHA HIGH SCHOOL
420 SEVENTH ST

SEVENTH STREET

RACINE STREET

TRAFFIC SIGNAL CONTROLER

MATCH LINE STA 97+00

MATCH LINE STA 103+00

15.5' 12' 16'

14.5' 9.5' 10'

MW8 SYMW-BL SLW18 ARW-BL MW4 ARW-2 MDY4 CWW24 MY4 SYMW-BL ARW-BL

+81 5' RT

+01 3' RT

653 701 709 713 717 723 729

505 SEVENTH ST

508 SEVENTH ST

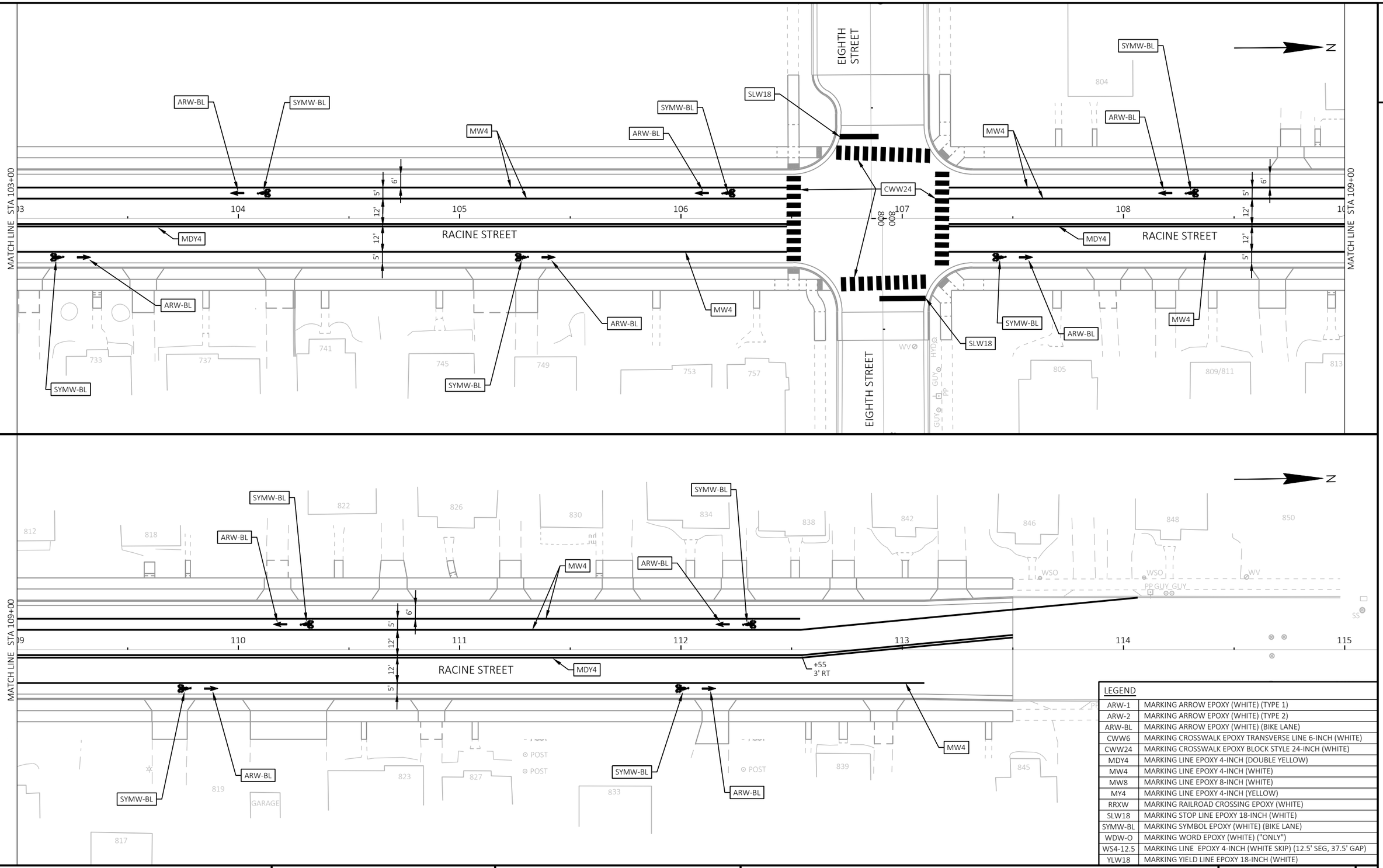
LEGEND

ARW-1	MARKING ARROW EPOXY (WHITE) (TYPE 1)
ARW-2	MARKING ARROW EPOXY (WHITE) (TYPE 2)
ARW-BL	MARKING ARROW EPOXY (WHITE) (BIKE LANE)
CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
CWW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MDY4	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MW4	MARKING LINE EPOXY 4-INCH (WHITE)
MW8	MARKING LINE EPOXY 8-INCH (WHITE)
MY4	MARKING LINE EPOXY 4-INCH (YELLOW)
RRXW	MARKING RAILROAD CROSSING EPOXY (WHITE)
SLW18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
SYMW-BL	MARKING SYMBOL EPOXY (WHITE) (BIKE LANE)
WDW-O	MARKING WORD EPOXY (WHITE) ("ONLY")
WS4-12.5	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG, 37.5' GAP)
YLW18	MARKING YIELD LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT MARKING PLAN	SHEET 89	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-024501-PM.DWG
LAYOUT NAME - Sheet-03

PLOT DATE : 7/31/2024 9:14 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND	
ARW-1	MARKING ARROW EPOXY (WHITE) (TYPE 1)
ARW-2	MARKING ARROW EPOXY (WHITE) (TYPE 2)
ARW-BL	MARKING ARROW EPOXY (WHITE) (BIKE LANE)
CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
CWW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MDY4	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MW4	MARKING LINE EPOXY 4-INCH (WHITE)
MW8	MARKING LINE EPOXY 8-INCH (WHITE)
MY4	MARKING LINE EPOXY 4-INCH (YELLOW)
RRXW	MARKING RAILROAD CROSSING EPOXY (WHITE)
SLW18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
SYMW-BL	MARKING SYMBOL EPOXY (WHITE) (BIKE LANE)
WDW-O	MARKING WORD EPOXY (WHITE) ("ONLY")
WS4-12.5	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG, 37.5' GAP)
YLW18	MARKING YIELD LINE EPOXY 18-INCH (WHITE)

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT MARKING PLAN	SHEET 90	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-024501-PM.DWG
LAYOUT NAME - Sheet-04

PLOT DATE : 7/31/2024 9:14 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

LEGEND	
ARW-1	MARKING ARROW EPOXY (WHITE) (TYPE 1)
ARW-2	MARKING ARROW EPOXY (WHITE) (TYPE 2)
ARW-BL	MARKING ARROW EPOXY (WHITE) (BIKE LANE)
CWW6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
CWW24	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE)
MDY4	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
MW4	MARKING LINE EPOXY 4-INCH (WHITE)
MW8	MARKING LINE EPOXY 8-INCH (WHITE)
MY4	MARKING LINE EPOXY 4-INCH (YELLOW)
RRXW	MARKING RAILROAD CROSSING EPOXY (WHITE)
SLW18	MARKING STOP LINE EPOXY 18-INCH (WHITE)
SYMW-BL	MARKING SYMBOL EPOXY (WHITE) (BIKE LANE)
WDW-O	MARKING WORD EPOXY (WHITE) ("ONLY")
WS4-12.5	MARKING LINE EPOXY 4-INCH (WHITE SKIP) (12.5' SEG, 37.5' GAP)

THIRD STREET

300 301 302 303

WS4-12.5

MDY4

ARW-2

RACINE STREET

76

MATCH LINE STA 303+50

N

2

RACINE STREET

MATCH LINE STA 303+50

15'

WDW-O

ONLY

304 305 306

ARW-2

WS4-12.5

THIRD STREET

N

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PAVEMENT MARKING - THIRD STREET	SHEET 91	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-024502-PM.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:14 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

N

END ROAD WORK
G20-2A
48"X24"

COVER LEFT TURN SIGN ON OVERHEAD SIGN SUPPORT

THIRD STREET

300 301 302 303

REMOVE PAVEMENT MARKINGS

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

R3-2
24"X24"

MATCH LINE STA 303+50

RACINE STREET
76

ROAD WORK AHEAD
W20-1A
48"X48"

LEFT LANE CLOSED AHEAD
W20-55A
48"X48"

WO4-2L
48"X48"

200' 200' 200' 125'

N

COVER RIGHT TURN SIGN ON OVERHEAD SIGN SUPPORT

R3-1
24"X24"

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

125' 200' 200' 200'

WO4-2R
48"X48"

RIGHT LANE CLOSED AHEAD
W20-5A
48"X48"

ROAD WORK AHEAD
W20-1A
48"X48"

MATCH LINE STA 303+50

304 305 306

REMOVE PAVEMENT MARKINGS

THIRD STREET

END ROAD WORK
G20-2A
48"X24"

RACINE STREET

2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC CONTROL - THIRD STREET INTERSECTION TURN LANE CLOSURES	SHEET 92	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-025100-TC.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:14 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

THIRD STREET

301

302

303

304

305

306

76

75

R3-2
24"X24"

COVER LEFT TURN SIGN ON OVERHEAD SIGN SUPPORT

R11-2L
48" X 30"

LANE
CLOSED

TYPE III BARRICADE

RACINE STREET

SECOND STREET

N

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC CONTROL - THIRD STREET INTERSECTION TURN LANE CLOSURES	SHEET 93	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-025100-TC.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

TRAFFIC CONTROL LEGEND

- TYPE III BARRICADE WITH/WITHOUT ATTACHED SIGN
- TRAFFIC CONTROL DRUM WITH/WITHOUT TYPE C STEADY BURN LIGHT
- SIGN ON PERMANENT/TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- WORK AREA

N

END ROAD WORK
G20-2A
48"X24"

THIRD STREET

300 301 302 303

REMOVE PAVEMENT MARKINGS

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

REMOVE PAVEMENT MARKINGS

MATCH LINE STA 303+50

RACINE STREET
76

ROAD WORK AHEAD
W20-1A
48"X48"

LEFT LANE CLOSED AHEAD
W20-55A
48"X48"

WO4-2L
48"X48"

200' 200' 200' 125'

N

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

MATCH LINE STA 303+50

304 305 306

REMOVE PAVEMENT MARKINGS

THIRD STREET

125' 200' 200' 200'

WO4-2R
48"X48"

RIGHT LANE CLOSED AHEAD
W20-5A
48"X48"

ROAD WORK AHEAD
W20-1A
48"X48"

END ROAD WORK
G20-2A
48"X24"

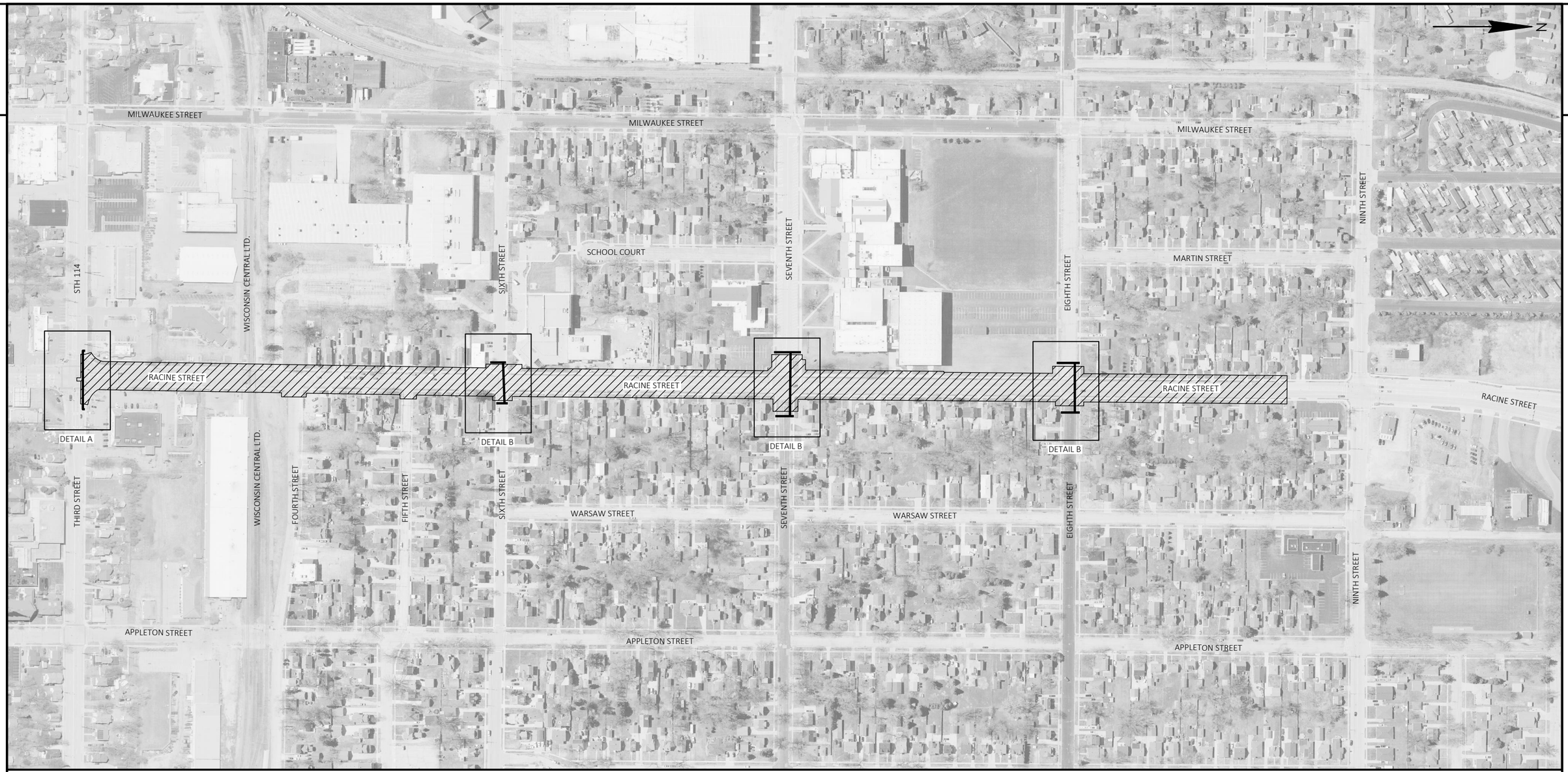
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC CONTROL - THIRD STREET LANE SHIFT	SHEET 94	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-025101-TC.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

- SIGN LOCATION
- TYPE II BARRICADE WITH SIGN AND ONE WARNING LIGHT TYPE A
- WORK AREA
- (A) TEMPORARY CROSSWALK ACROSS RACINE STREET WITHIN CONSTRUCTION LIMITS.
- (B) TEMPORARY CROSSWALK SIDEROAD OUTSIDE CONSTRUCTION LIMITS.

GENERAL NOTES - PEDESTRIAN ACCOMMODATIONS

REFER TO SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR DETAILS.

TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE PROJECT. TEMPORARY CROSSWALKS SHALL BE PROVIDED AT ALL TIMES FOR A MINIMUM OF ONE NORTH-SOUTH LEG OF THE INDICATED INTERSECTIONS AS DIRECTED BY THE FIELD ENGINEER.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO THE SIDEWALK SHALL HAVE A 7-FT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE EXISTING OR NEW SIDEWALK.

SIDEWALK TO BE MAINTAINED ALONG ONE SIDE OF RACINE STREET AND THIRD STREET, SIXTH STREET, SEVENTH STREET AND EIGHTH STREET AT ALL TIMES.

SIDEWALK TO BE MAINTAINED ALONG ONE SIDE OF RACINE STREET AND ALL SIDEROADS DURING STORM SEWER INSTALLATION. TEMPORARY PEDESTRIAN SURFACE ASPHALT SHALL BE PLACED AS NECESSARY TO MAINTAIN OR REPAIR SIDEWALK DISTURBED BY STORM SEWER INSTALLATION.

FURNISH AND INSTALL TEMPORARY CURB RAMPS WHEN EXISTING OR FINISHED CURB RAMPS ARE NOT IN PLACE.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

MAP SHOWN IS NOT TO SCALE.

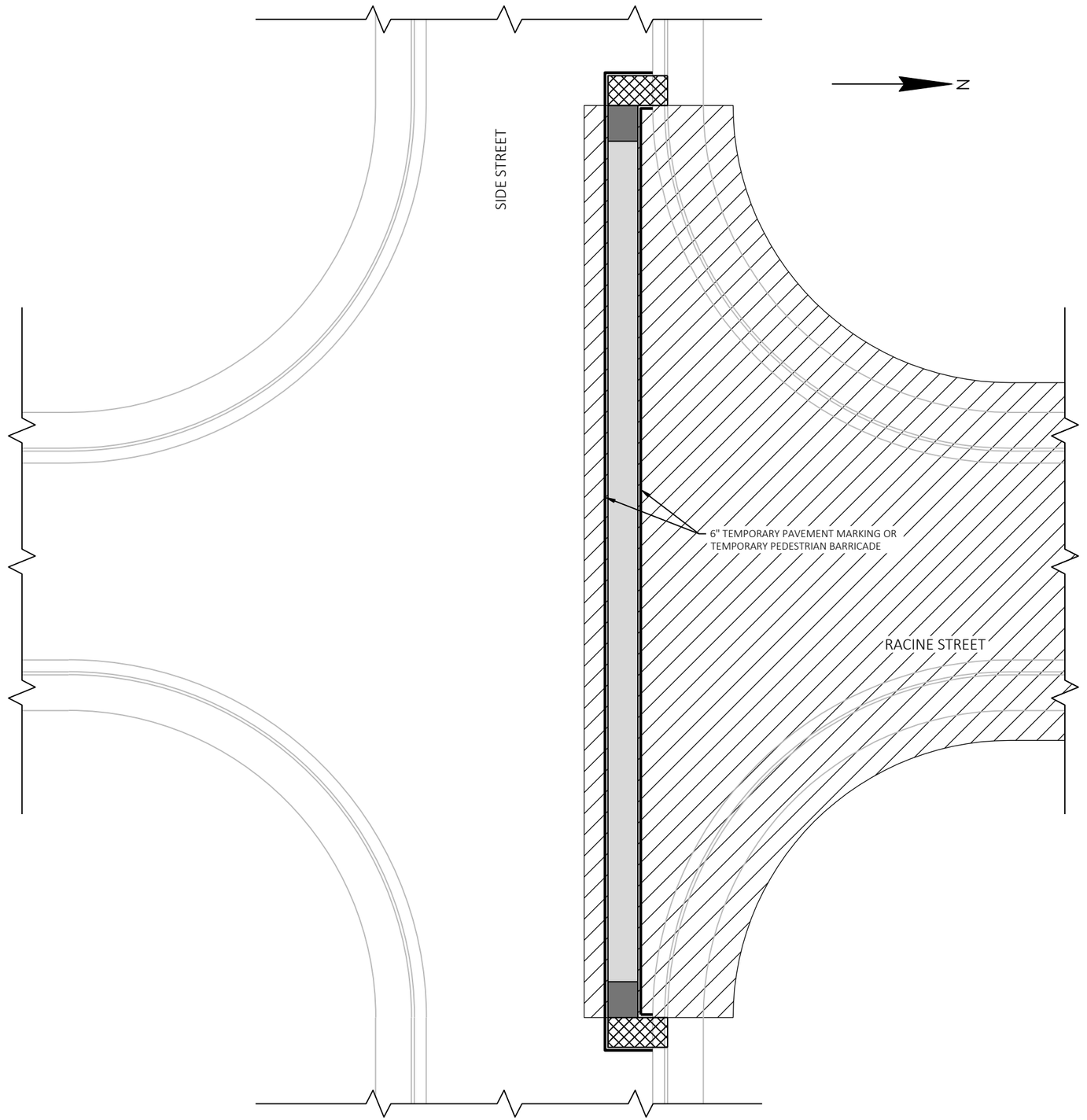
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC CONTROL - PEDESTRIAN ACCOMMODATIONS	SHEET 95	E

LEGEND

- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE
- EXISTING PAVEMENT, PROPOSED PAVEMENT, OR TEMPORARY PEDESTRIAN SURFACE
- WORK AREA

NOTES:

REFER TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS" FOR ALL OTHER PERTINENT INFORMATION NOT SHOWN ON THIS DETAIL.



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC CONTROL - PEDESTRIAN ACCOMMODATIONS - DETAIL A	SHEET 96	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-025103-TC.DWG
LAYOUT NAME - Sheet-01

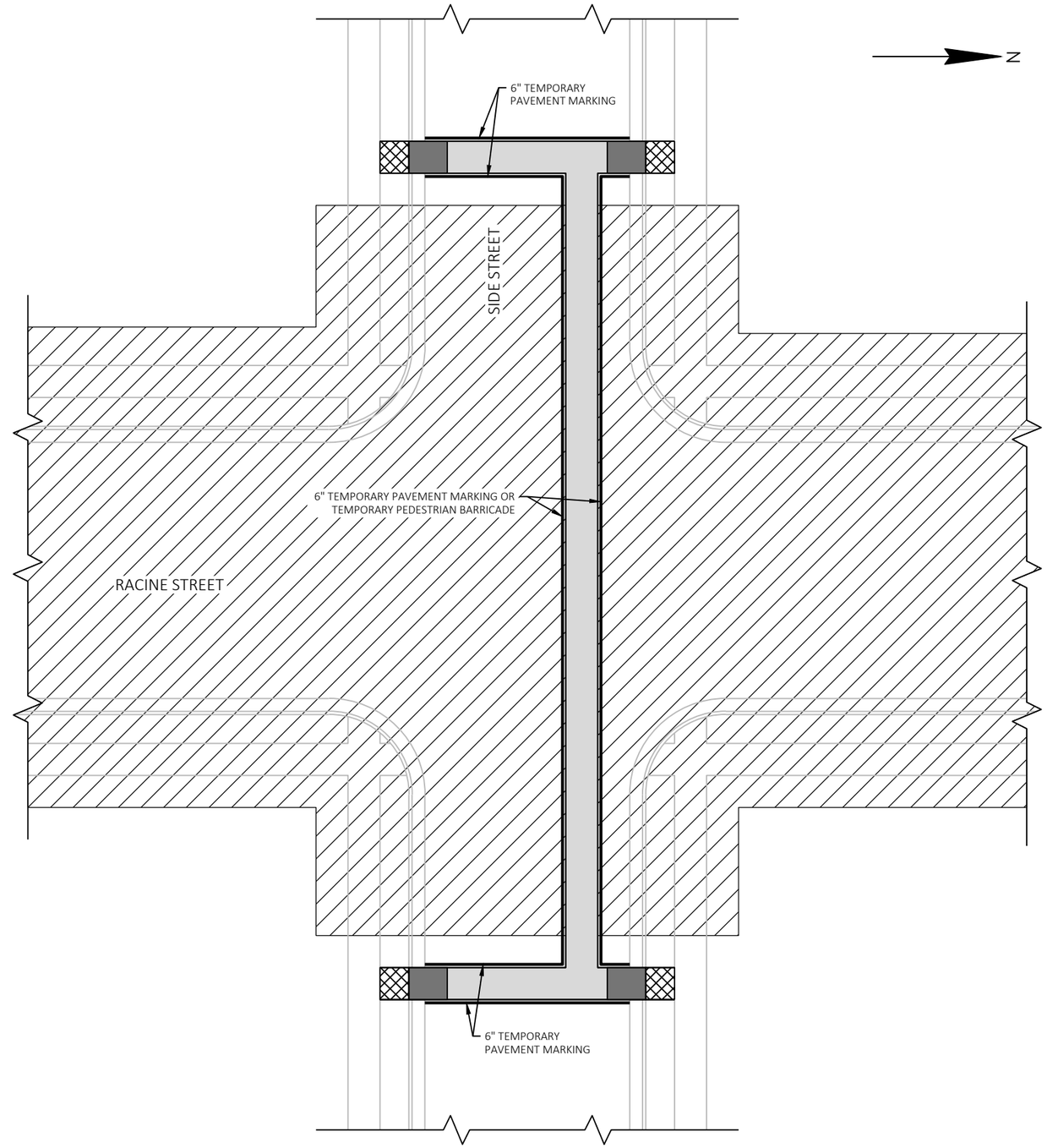
PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT

LEGEND

- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE
- EXISTING PAVEMENT, PROPOSED PAVEMENT, OR TEMPORARY PEDESTRIAN SURFACE
- WORK AREA

NOTES:

REFER TO STANDARD DETAIL DRAWING "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS" FOR ALL OTHER PERTINENT INFORMATION NOT SHOWN ON THIS DETAIL.



2

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	TRAFFIC CONTROL - PEDESTRIAN ACCOMMODATIONS - DETAIL B	SHEET 97	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-025103-TC.DWG
LAYOUT NAME - Sheet-02
PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN LOCATION
- TYPE III BARRICADE WITH SIGN
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- PROPOSED DETOUR ROUTE
- WORK AREA

- (C) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL C" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- (E) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL E" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- (S3) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 3" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
- (S4) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 4" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES - DETOUR

SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "DETOUR SIGNING FOR MAINLINE CLOSURES", AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR GENERAL NOTES AND SIGN SPACING REQUIREMENTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

ALL EXISTING OR TEMPORARY SIGN MESSAGES THAT CONFLICT WITH THE DETOUR SHALL BE COVERED OR REMOVED.

MAP SHOWN IS NOT TO SCALE.

PCMS MESSAGES		
	7 DAYS PRIOR TO DETOUR	
LOCATION	PHASE 1 (2 SEC.)	PHASE 2 (2 SEC.)
RACINE STREET NB	ROAD CLOSED BEGINS	{DAY} {DATE XX}
RACINE STREET SB	ROAD CLOSED BEGINS	{DAY} {DATE XX}

(22) DETOUR RACINE ST — M4-8 24"X12" 30"X24"

DETAIL 1 MB

DETAIL 2

DETAIL 3

DETAIL 4 MB

Little Lake Butte Des Morts

City of Menasha

Lake Winnebago

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	DETOUR - OVERVIEW	SHEET 98	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027001-DT.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN LOCATION
- TYPE III BARRICADE WITH SIGN
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- PROPOSED DETOUR ROUTE
- WORK AREA

- C — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL C" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- E — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL E" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- S3 — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 3" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
- S4 — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 4" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES - DETOUR

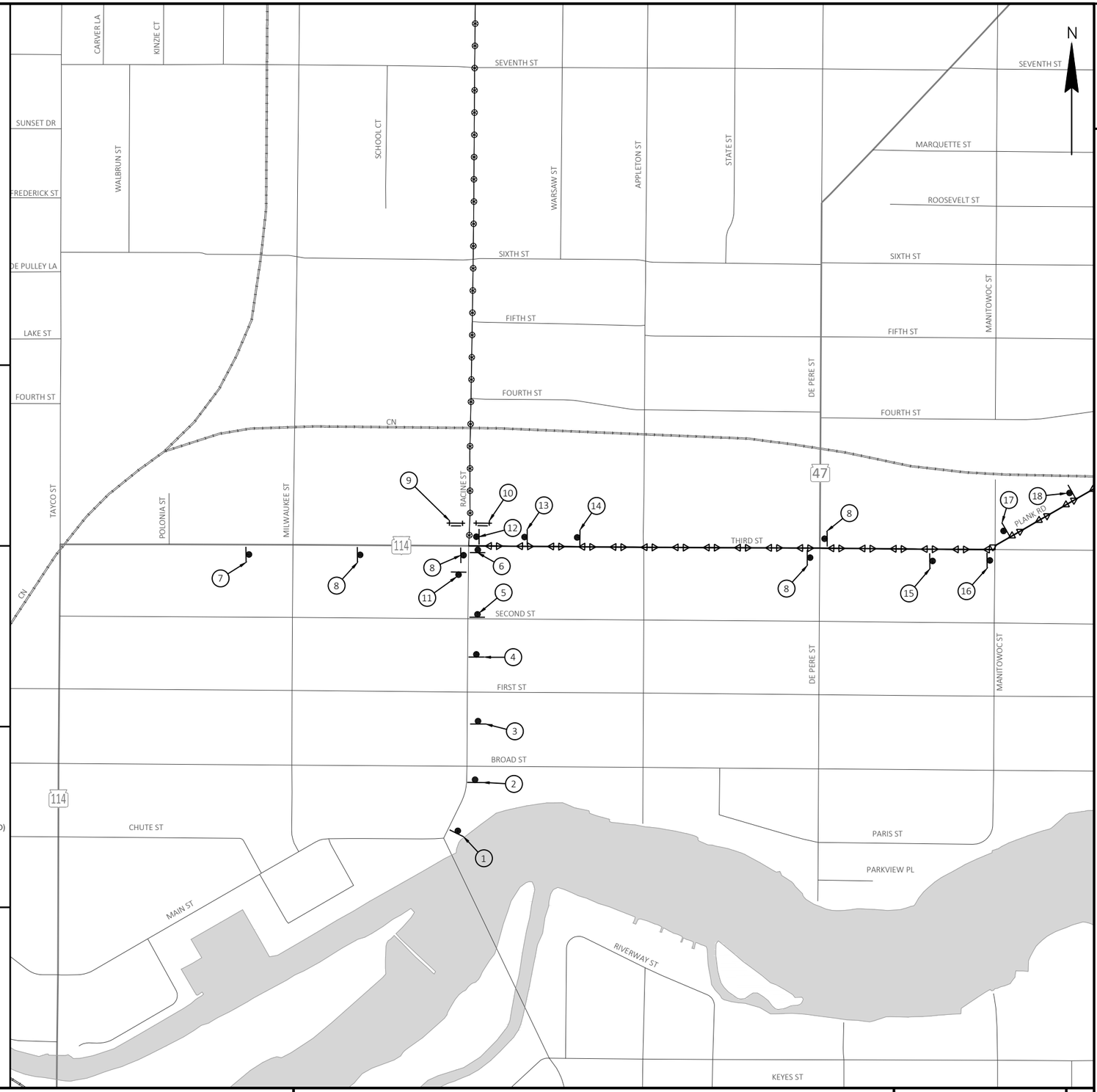
SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "DETOUR SIGNING FOR MAINLINE CLOSURES", AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR GENERAL NOTES AND SIGN SPACING REQUIREMENTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

ALL EXISTING OR TEMPORARY SIGN MESSAGES THAT CONFLICT WITH THE DETOUR SHALL BE COVERED OR REMOVED.

MAP SHOWN IS NOT TO SCALE.

1. ROAD CLOSED AHEAD — W20-3A 48"X48"
2. DETOUR AHEAD — W20-2A 48"X48"
3. RACINE ST 30"X24" / DETOUR M4-59R 30"X30"
4. ROAD CLOSED 500 FT — W20-3D 48"X48"
5. COVER
6. RACINE ST 30"X24" / DETOUR M4-9R 30"X24"
7. RACINE ST 30"X24" / DETOUR AHEAD — W20-2A 48"X48"
8. RACINE ST 30"X24" / DETOUR M4-9RA 30"X24"
9. R11-4 60" X 30" ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE
10. M4-9R 30"X24" DETOUR — TYPE III BARRICADE
11. END DETOUR M4-8A 24"X18"
12. RACINE ST 30"X24" / DETOUR M4-9L 30"X24"
13. COVER
14. RACINE ST 30"X24" / DETOUR M4-59L 30"X30"
15. RACINE ST 30"X24" / DETOUR M4-59L (MOD) 30"X30"
16. RACINE ST 30"X24" / DETOUR M4-9RA (MOD) 30"X24"
17. RACINE ST 30"X24" / DETOUR M4-9RA (MOD) 30"X24"
18. RACINE ST 30"X24" / DETOUR M4-59R (MOD) 30"X30"



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	DETOUR - DETAIL 1	SHEET 99	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027001-DT.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN LOCATION
- TYPE III BARRICADE WITH SIGN
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- PROPOSED DETOUR ROUTE
- WORK AREA

- (C) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL C" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- (E) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL E" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- (S3) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 3" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
- (S4) PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 4" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES - DETOUR

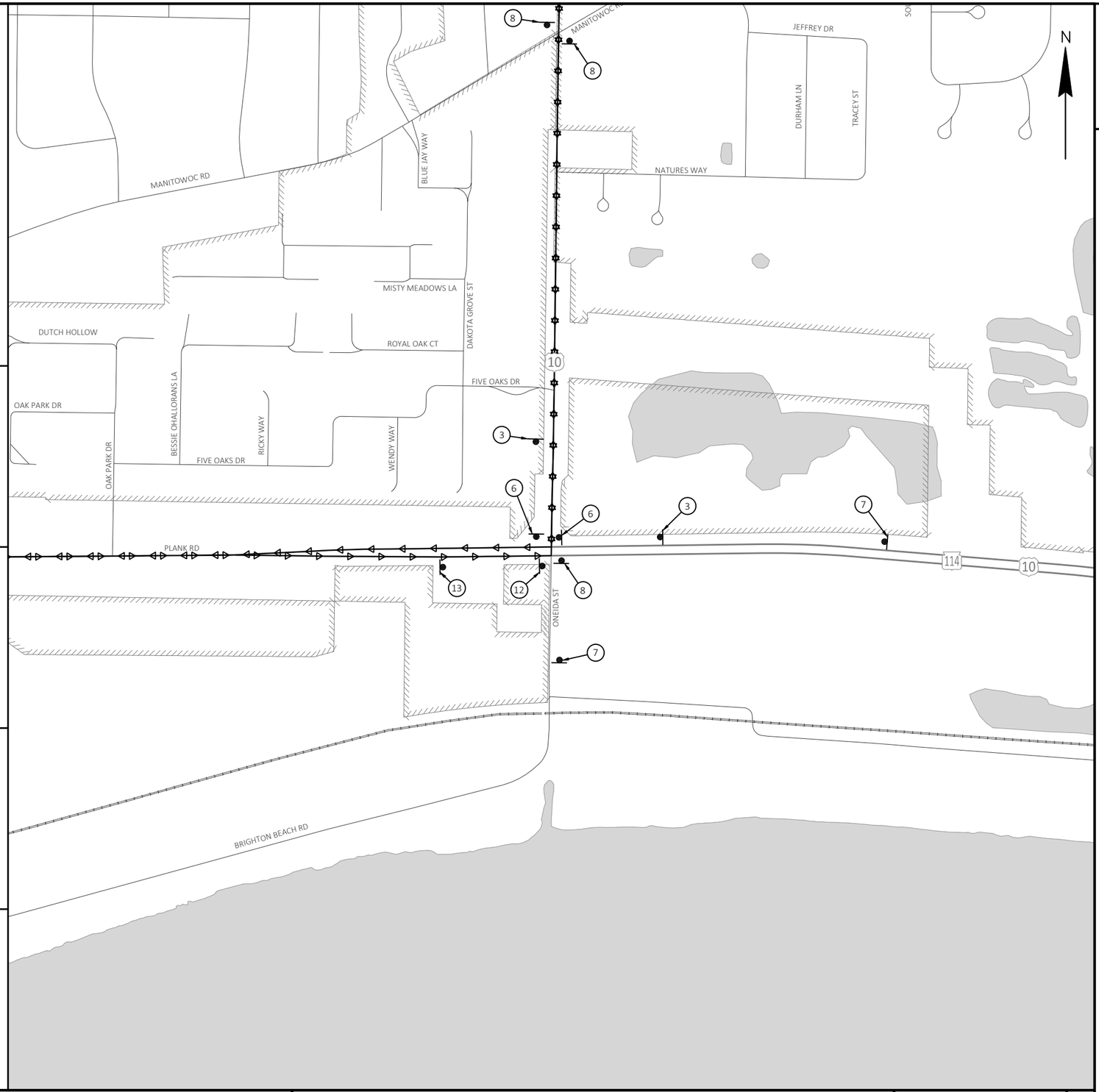
SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "DETOUR SIGNING FOR MAINLINE CLOSURES", AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR GENERAL NOTES AND SIGN SPACING REQUIREMENTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

ALL EXISTING OR TEMPORARY SIGN MESSAGES THAT CONFLICT WITH THE DETOUR SHALL BE COVERED OR REMOVED.

MAP SHOWN IS NOT TO SCALE.

(3)	(6)	(7)	(8)	(12)	(14)
RACINE ST 30"X24" / DETOUR M4-59R 30"X30"	RACINE ST 30"X24" / DETOUR M4-9R 30"X24"	RACINE ST 30"X24" / DETOUR AHEAD W20-2A 48"X48"	RACINE ST 30"X24" / DETOUR M4-9RA 30"X24"	RACINE ST 30"X24" / DETOUR M4-9L 30"X24"	RACINE ST 30"X24" / DETOUR M4-59L 30"X30"



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	DETOUR - DETAIL 2	SHEET 100	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027001-DT.DWG
LAYOUT NAME - Sheet-03

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN LOCATION
- TYPE III BARRICADE WITH SIGN
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- PROPOSED DETOUR ROUTE
- WORK AREA

- C — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL C" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- E — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL E" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- S3 — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 3" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
- S4 — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 4" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES - DETOUR

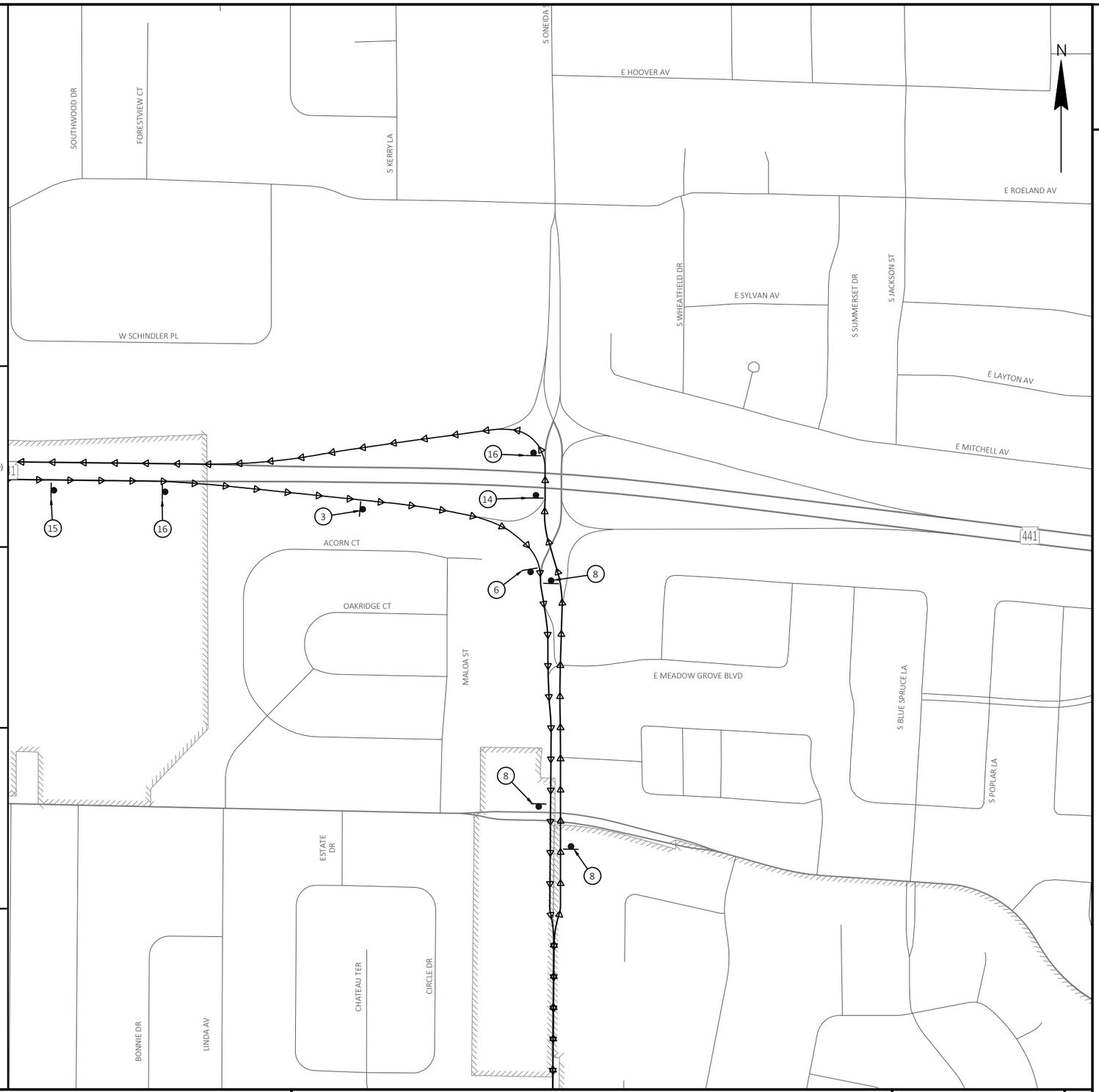
SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "DETOUR SIGNING FOR MAINLINE CLOSURES", AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR GENERAL NOTES AND SIGN SPACING REQUIREMENTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

ALL EXISTING OR TEMPORARY SIGN MESSAGES THAT CONFLICT WITH THE DETOUR SHALL BE COVERED OR REMOVED.

MAP SHOWN IS NOT TO SCALE.

③	⑥	⑧	⑭	⑮	⑯
RACINE ST / DETOUR 30"X24" M4-59R 30"X30"	RACINE ST / DETOUR 30"X24" M4-9R 30"X24"	RACINE ST / DETOUR 30"X24" M4-9RA 30"X24"	RACINE ST / DETOUR 30"X24" M4-59L 30"X30"	RACINE ST / DETOUR 30"X24" M4-59L (MOD) 30"X30"	RACINE ST / DETOUR 30"X24" M4-9RA (MOD) 30"X24"



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	DETOUR - DETAIL 3	SHEET 101	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027001-DT.DWG
LAYOUT NAME - Sheet-04

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGN LOCATION
- TYPE III BARRICADE WITH SIGN
- MB — PORTABLE CHANGEABLE MESSAGE BOARD
- PROPOSED DETOUR ROUTE
- WORK AREA

- C — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL C" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- E — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL E" IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
- S3 — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 3" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
- S4 — PLACE TRAFFIC CONTROL SIGNS PER "DETAIL 4" IN SDD "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES - DETOUR

SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES", "BARRICADES AND SIGNS FOR VARIOUS CLOSURES", "DETOUR SIGNING FOR MAINLINE CLOSURES", AND "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR GENERAL NOTES AND SIGN SPACING REQUIREMENTS.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

ALL EXISTING OR TEMPORARY SIGN MESSAGES THAT CONFLICT WITH THE DETOUR SHALL BE COVERED OR REMOVED.

MAP SHOWN IS NOT TO SCALE.

(1) ROAD CLOSED AHEAD — W20-3A 48"X48"

(2) DETOUR AHEAD — W20-2A 48"X48"

(3) RACINE ST 30"X24" / DETOUR M4-59R 30"X30"

(4) ROAD CLOSED 500 FT — W20-3D 48"X48"

(6) RACINE ST 30"X24" / DETOUR M4-9R 30"X24"

(7) RACINE ST 30"X24" / DETOUR AHEAD — W20-2A 48"X48"

(8) RACINE ST 30"X24" / DETOUR M4-9RA 30"X24"

(9) R11-4 60" X 30" — ROAD CLOSED TO THRU TRAFFIC — TYPE III BARRICADE

(11) END DETOUR M4-8A 24"X18"

(15) RACINE ST 30"X24" / DETOUR M4-59L (MOD) 30"X30"

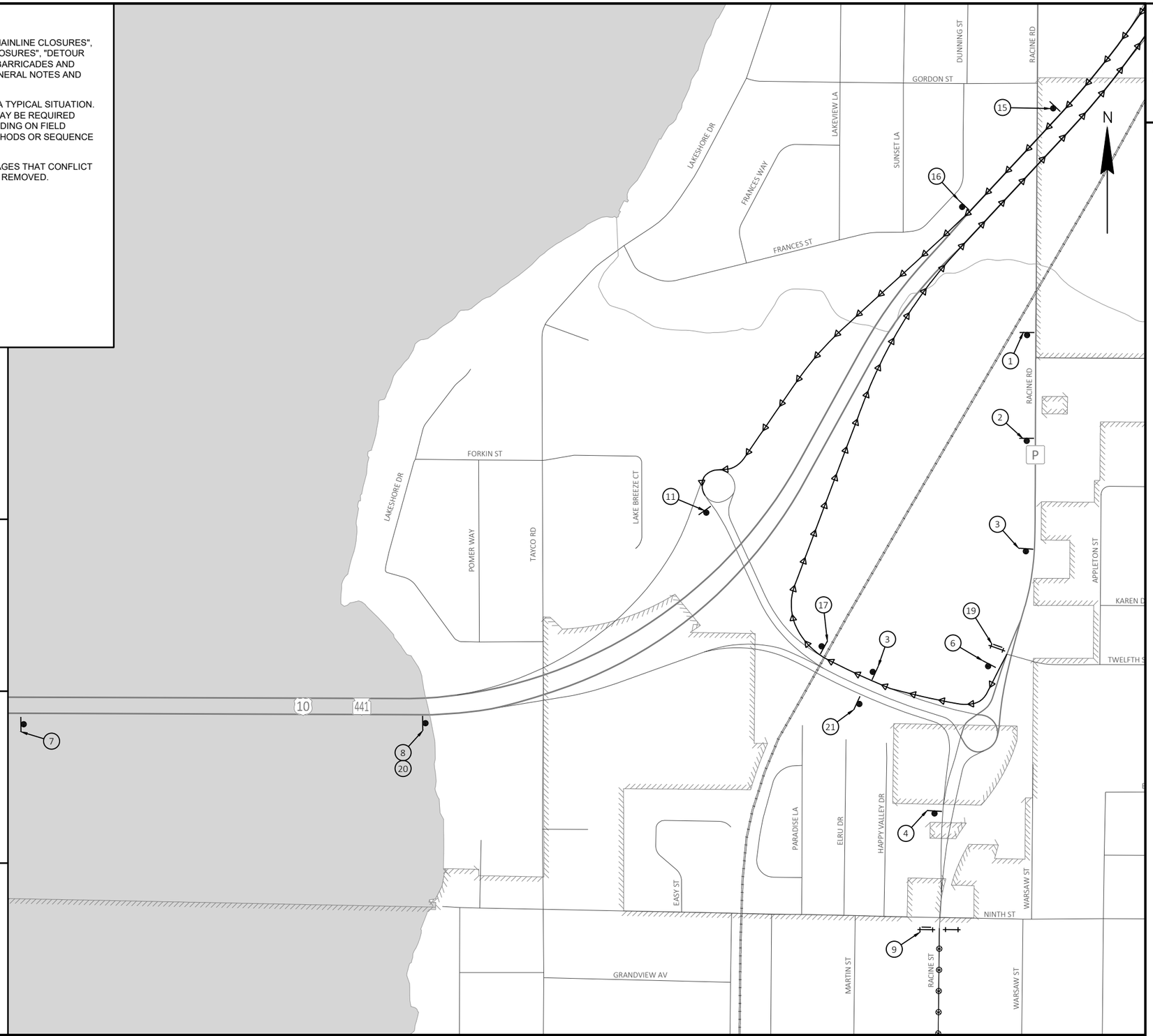
(16) RACINE ST 30"X24" / DETOUR M4-9RA (MOD) 30"X24"

(17) RACINE ST 30"X24" / DETOUR M4-9RA (MOD) 30"X24"

(19) R11-3 60" X 30" — ROAD CLOSED TO THRU TRAFFIC 0.2 MILES AHEAD — TYPE III BARRICADE

(20) COVER

(21) COVER



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	DETOUR - DETAIL 4	SHEET 102	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027001-DT.DWG
LAYOUT NAME - Sheet-05

PLOT DATE : 7/31/2024 9:15 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : NTS

WISDOT/CADDS SHEET 42

2



LEGEND

- SIGN LOCATION
- TYPE II BARRICADE WITH SIGN AND ONE WARNING LIGHT TYPE A
- PROPOSED DETOUR ROUTE
- WORK AREA

SIDEWALK CLOSED	SIDEWALK CLOSED AHEAD	SIDEWALK CLOSED AHEAD CROSS HERE	SIDEWALK CLOSED AHEAD CROSS HERE	DETOUR	DETOUR	DETOUR
R9-9 24"X12"	R9-9A 30"X18"	R9-11L 24"X12"	R9-11R 24"X12"	M4-9B 30"X24"	M4-9BL 30"X24"	M4-9BR 30"X24"
1	2	3	4	5	6	7

GENERAL NOTES - PEDESTRIAN DETOUR

REFER TO SDD "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR DETAILS.

TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE PROJECT. TEMPORARY CROSSWALKS SHALL BE PROVIDED AT ALL TIMES FOR A MINIMUM OF ONE NORTH-SOUTH LEG OF THE INDICATED INTERSECTIONS AS DIRECTED BY THE FIELD ENGINEER.

POST MOUNTED SIGNS LOCATED NEAR OR ADJACENT TO THE SIDEWALK SHALL HAVE A 7-FT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE EXISTING OR NEW SIDEWALK.

SIDEWALK TO BE MAINTAINED ALONG ONE SIDE OF RACINE STREET AND THIRD STREET, SIXTH STREET, SEVENTH STREET AND EIGHTH STREET AT ALL TIMES.

SIDEWALK TO BE MAINTAINED ALONG ONE SIDE OF RACINE STREET AND ALL SIDEROADS DURING STORM SEWER INSTALLATION. TEMPORARY PEDESTRIAN SURFACE ASPHALT SHALL BE PLACED AS NECESSARY TO MAINTAIN OR REPAIR SIDEWALK DISTURBED BY STORM SEWER INSTALLATION.

FURNISH AND INSTALL TEMPORARY CURB RAMPS WHEN EXISTING OR FINISHED CURB RAMPS ARE NOT IN PLACE.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON FIELD CONDITIONS AND THE CONTRACTOR'S METHODS OR SEQUENCE OF OPERATION.

MAP SHOWN IS NOT TO SCALE.

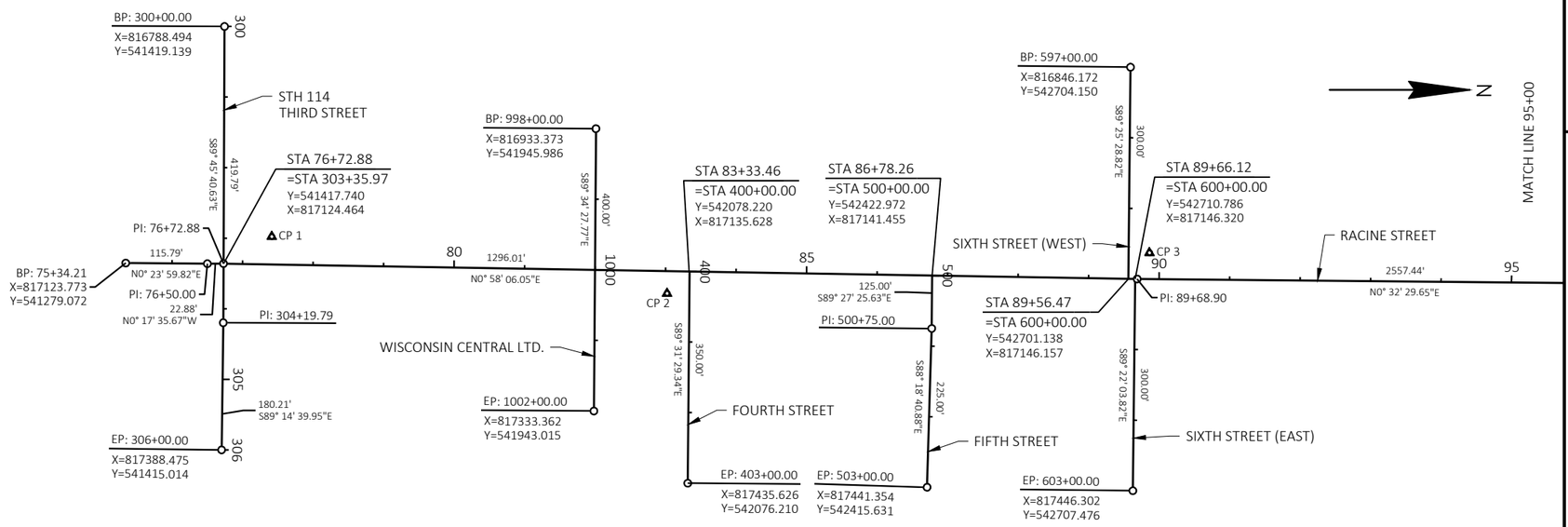
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PEDESTRIAN DETOUR	SHEET 103	E

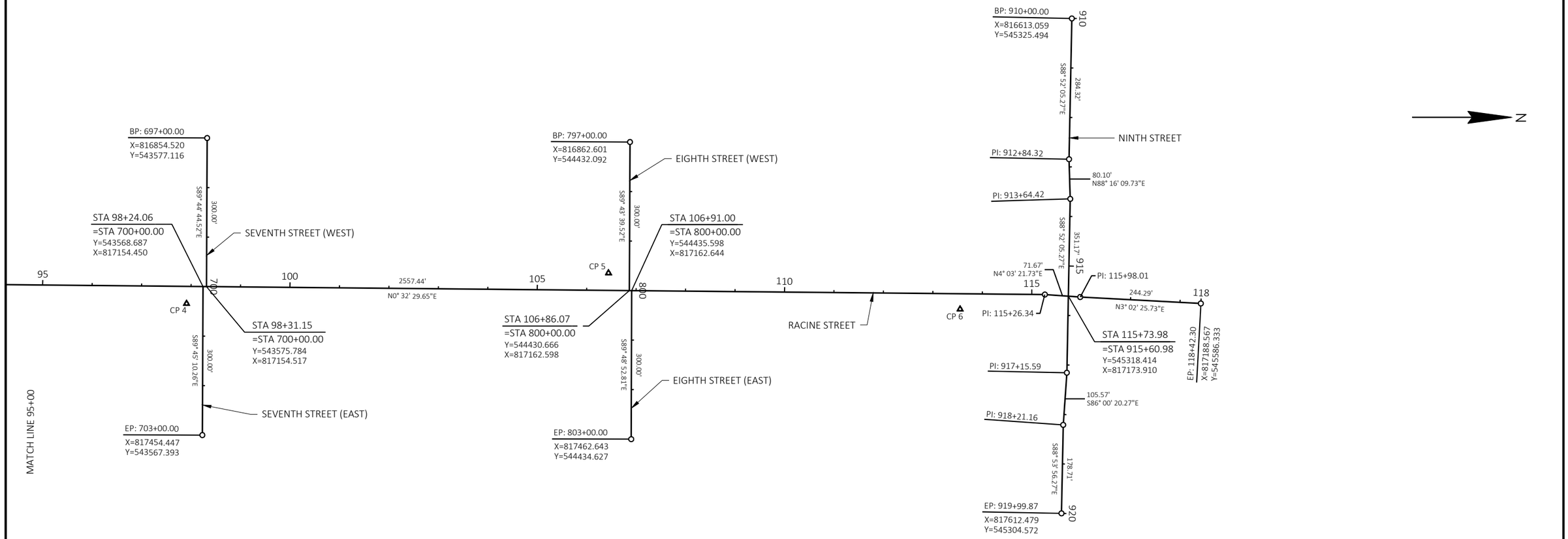
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027002-DT.DWG
LAYOUT NAME - Sheet-01
PLOT DATE : 9/25/2024 1:57 PM
PLOT BY : JEFF CHVOSTA
PLOT NAME :
PLOT SCALE : NTS
WISDOT/CADDS SHEET 42

2

SURVEY CONTROL TABLE

POINT #	POINT NAME	Y	X	ELEVATION
1	CP IPWRC	541486.089	817086.405	760.66
2	CP MAG	542046.719	817166.842	761.13
3	CP MAG	542731.021	817109.341	760.18
4	CP IPWRC	543535.396	817189.057	761.29
5	CP IPWRC	544388.647	817127.364	761.75
6	CP MAG	545099.473	817200.250	760.99





PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	ALIGNMENT DIAGRAM	SHEET 104	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-027201-AD.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 7/31/2024 9:16 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:200 FT

WISDOT/CADDS SHEET 42

Estimate Of Quantities

4992-00-60

Line	Item	Item Description	Unit	Total	Qty
0002	201.0220	Grubbing	ID	423.000	423.000
0004	204.0100	Removing Concrete Pavement	SY	21,100.000	21,100.000
0006	204.0130	Removing Curb	LF	49.000	49.000
0008	204.0150	Removing Curb & Gutter	LF	530.000	530.000
0010	204.0155	Removing Concrete Sidewalk	SY	4,110.000	4,110.000
0012	204.0195	Removing Concrete Bases	EACH	11.000	11.000
0014	204.0210	Removing Manholes	EACH	27.000	27.000
0016	204.0220	Removing Inlets	EACH	41.000	41.000
0018	204.0245	Removing Storm Sewer (size) 01. 4-Inch	LF	67.000	67.000
0020	204.0245	Removing Storm Sewer (size) 02. 6-Inch	LF	45.000	45.000
0022	204.0245	Removing Storm Sewer (size) 03. 8-Inch	LF	8.000	8.000
0024	204.0245	Removing Storm Sewer (size) 04. 10-Inch	LF	940.000	940.000
0026	204.0245	Removing Storm Sewer (size) 05. 12-Inch	LF	2,260.000	2,260.000
0028	204.0245	Removing Storm Sewer (size) 06. 15-Inch	LF	820.000	820.000
0030	204.0245	Removing Storm Sewer (size) 07. 18-Inch	LF	27.000	27.000
0032	204.0245	Removing Storm Sewer (size) 08. 24-Inch	LF	86.000	86.000
0034	204.0245	Removing Storm Sewer (size) 09. 30-Inch	LF	64.000	64.000
0036	204.0245	Removing Storm Sewer (size) 10. 60-Inch	LF	138.000	138.000
0038	204.0280	Sealing Pipes	EACH	2.000	2.000
0040	204.0291.S	Abandoning Sewer	CY	3.600	3.600
0042	205.0100	Excavation Common	CY	11,920.000	11,920.000
0044	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	95.000	95.000
0046	213.0100	Finishing Roadway (project) 01. 4992-00-60	EACH	1.000	1.000
0048	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,260.000	1,260.000
0050	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	8,910.000	8,910.000
0052	311.0110	Breaker Run	TON	1,810.000	1,810.000
0054	405.0100	Coloring Concrete WisDOT Red	CY	15.000	15.000
0056	405.1000	Stamping Colored Concrete	CY	5.000	5.000
0058	415.0085	Concrete Pavement 8 1/2-Inch	SY	17,470.000	17,470.000
0060	415.0210	Concrete Pavement Gaps	EACH	3.000	3.000
0062	415.4100	Concrete Pavement Joint Filling	SY	19,510.000	19,510.000
0064	416.0610	Drilled Tie Bars	EACH	126.000	126.000
0066	416.0620	Drilled Dowel Bars	EACH	81.000	81.000
0068	455.0605	Tack Coat	GAL	61.000	61.000
0070	465.0105	Asphaltic Surface	TON	275.000	275.000
0072	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	80.000	80.000
0074	465.0125	Asphaltic Surface Temporary	TON	3.000	3.000
0076	511.1100	Temporary Shoring	SF	160.000	160.000
0078	520.8000	Concrete Collars for Pipe	EACH	13.000	13.000
0080	601.0110	Concrete Curb Type D	LF	48.000	48.000
0082	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	100.000	100.000
0084	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	16.000	16.000
0086	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	7,202.000	7,202.000
0088	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	379.000	379.000
0090	601.0600	Concrete Curb Pedestrian	LF	95.000	95.000
0092	602.0405	Concrete Sidewalk 4-Inch	SF	34,900.000	34,900.000
0094	602.0415	Concrete Sidewalk 6-Inch	SF	1,340.000	1,340.000
0096	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	400.000	400.000
0098	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	17.000	17.000

4992-00-60

Line	Item	Item Description	Unit	Total	Qty
0100	602.0810	Concrete Driveway 6-Inch	SY	1,345.000	1,345.000
0102	602.0820	Concrete Driveway 8-Inch	SY	295.000	295.000
0104	602.1500	Concrete Steps	SF	207.000	207.000
0106	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	849.000	849.000
0108	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	381.000	381.000
0110	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	987.000	987.000
0112	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,059.000	1,059.000
0114	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	718.000	718.000
0116	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	59.000	59.000
0118	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	82.000	82.000
0120	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	121.000	121.000
0122	608.0460	Storm Sewer Pipe Reinforced Concrete Class IV 60-Inch	LF	137.000	137.000
0124	608.6010	Storm Sewer Pipe Composite 10-Inch	LF	10.000	10.000
0126	608.6015	Storm Sewer Pipe Composite 15-Inch	LF	8.000	8.000
0128	611.0535	Manhole Covers Type J-Special	EACH	23.000	23.000
0130	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0132	611.1004	Catch Basins 4-FT Diameter	EACH	1.000	1.000
0134	611.1230	Catch Basins 2x3-FT	EACH	51.000	51.000
0136	611.2004	Manholes 4-FT Diameter	EACH	21.000	21.000
0138	611.2005	Manholes 5-FT Diameter	EACH	10.000	10.000
0140	611.2006	Manholes 6-FT Diameter	EACH	2.000	2.000
0142	611.2007	Manholes 7-FT Diameter	EACH	1.000	1.000
0144	611.2008	Manholes 8-FT Diameter	EACH	1.000	1.000
0146	611.3003	Inlets 3-FT Diameter	EACH	1.000	1.000
0148	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0150	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0152	618.0100	Maintenance and Repair of Haul Roads (project) 01. 4992-00-60	EACH	1.000	1.000
0154	619.1000	Mobilization	EACH	1.000	1.000
0156	624.0100	Water	MGAL	140.000	140.000
0158	625.0100	Topsoil	SY	7,060.000	7,060.000
0160	628.1905	Mobilizations Erosion Control	EACH	13.000	13.000
0162	628.1910	Mobilizations Emergency Erosion Control	EACH	7.000	7.000
0164	628.2006	Erosion Mat Urban Class I Type A	SY	7,060.000	7,060.000
0166	628.7010	Inlet Protection Type B	EACH	60.000	60.000
0168	628.7015	Inlet Protection Type C	EACH	10.000	10.000
0170	628.7020	Inlet Protection Type D	EACH	60.000	60.000
0172	628.7560	Tracking Pads	EACH	2.000	2.000
0174	629.0210	Fertilizer Type B	CWT	4.000	4.000
0176	630.0140	Seeding Mixture No. 40	LB	318.000	318.000
0178	630.0500	Seed Water	MGAL	159.000	159.000
0180	637.2210	Signs Type II Reflective H	SF	219.150	219.150
0182	637.2215	Signs Type II Reflective H Folding	SF	20.720	20.720
0184	637.2230	Signs Type II Reflective F	SF	102.140	102.140
0186	638.2102	Moving Signs Type II	EACH	8.000	8.000
0188	638.2602	Removing Signs Type II	EACH	47.000	47.000
0190	638.3000	Removing Small Sign Supports	EACH	29.000	29.000
0192	642.5001	Field Office Type B	EACH	1.000	1.000
0194	643.0300	Traffic Control Drums	DAY	11,035.000	11,035.000
0196	643.0410	Traffic Control Barricades Type II	DAY	3,330.000	3,330.000

Estimate Of Quantities

4992-00-60

Line	Item	Item Description	Unit	Total	Qty
0198	643.0420	Traffic Control Barricades Type III	DAY	6,034.000	6,034.000
0200	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	12.000	12.000
0202	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	12.000	12.000
0204	643.0705	Traffic Control Warning Lights Type A	DAY	13,248.000	13,248.000
0206	643.0715	Traffic Control Warning Lights Type C	DAY	2,580.000	2,580.000
0208	643.0800	Traffic Control Arrow Boards	DAY	430.000	430.000
0210	643.0900	Traffic Control Signs	DAY	33,944.000	33,944.000
0212	643.0920	Traffic Control Covering Signs Type II	EACH	7.000	7.000
0214	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0216	643.3350	Temporary Marking Crosswalk Removable Tape 6-inch	LF	1,740.000	1,740.000
0218	643.5000	Traffic Control	EACH	1.000	1.000
0220	644.1410	Temporary Pedestrian Surface Asphalt	SF	4,700.000	4,700.000
0222	644.1601	Temporary Pedestrian Curb Ramp	DAY	2,590.000	2,590.000
0224	644.1810	Temporary Pedestrian Barricade	LF	2,370.000	2,370.000
0226	645.0140	Geotextile Type SAS	SY	2,950.000	2,950.000
0228	646.1020	Marking Line Epoxy 4-Inch	LF	15,635.000	15,635.000
0230	646.3020	Marking Line Epoxy 8-Inch	LF	545.000	545.000
0232	646.5020	Marking Arrow Epoxy	EACH	49.000	49.000
0234	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0236	646.5220	Marking Symbol Epoxy	EACH	34.000	34.000
0238	646.5320	Marking Railroad Crossing Epoxy	EACH	2.000	2.000
0240	646.6120	Marking Stop Line Epoxy 18-Inch	LF	219.000	219.000
0242	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	19.000	19.000
0244	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	514.000	514.000
0246	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	696.000	696.000
0248	646.9000	Marking Removal Line 4-Inch	LF	225.000	225.000
0250	646.9300	Marking Removal Special Marking	EACH	4.000	4.000
0252	650.4000	Construction Staking Storm Sewer	EACH	88.000	88.000
0254	650.4500	Construction Staking Subgrade	LF	4,171.000	4,171.000
0256	650.5000	Construction Staking Base	LF	206.000	206.000
0258	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	515.000	515.000
0260	650.7000	Construction Staking Concrete Pavement	LF	3,965.000	3,965.000
0262	650.8501	Construction Staking Electrical Installations (project) 01. 4992-00-60	EACH	1.000	1.000
0264	650.9000	Construction Staking Curb Ramps	EACH	43.000	43.000
0266	650.9500	Construction Staking Sidewalk (project) 01. 4992-00-60	EACH	1.000	1.000
0268	650.9911	Construction Staking Supplemental Control (project) 01. 4992-00-60	EACH	1.000	1.000
0270	650.9920	Construction Staking Slope Stakes	LF	4,171.000	4,171.000
0272	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	548.000	548.000
0274	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	826.000	826.000
0276	652.0800	Conduit Loop Detector	LF	1,192.000	1,192.000
0278	653.0135	Pull Boxes Steel 24x36-Inch	EACH	6.000	6.000
0280	653.0140	Pull Boxes Steel 24x42-Inch	EACH	8.000	8.000
0282	653.0905	Removing Pull Boxes	EACH	4.000	4.000
0284	654.0101	Concrete Bases Type 1	EACH	10.000	10.000
0286	654.0102	Concrete Bases Type 2	EACH	4.000	4.000
0288	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0290	655.0230	Cable Traffic Signal 5-14 AWG	LF	684.000	684.000
0292	655.0240	Cable Traffic Signal 7-14 AWG	LF	259.000	259.000
0294	655.0250	Cable Traffic Signal 9-14 AWG	LF	411.000	411.000

4992-00-60

Line	Item	Item Description	Unit	Total	Qty
0296	655.0260	Cable Traffic Signal 12-14 AWG	LF	609.000	609.000
0298	655.0270	Cable Traffic Signal 15-14 AWG	LF	730.000	730.000
0300	655.0305	Cable Type UF 2-12 AWG Grounded	LF	553.000	553.000
0302	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	2,153.000	2,153.000
0304	655.0610	Electrical Wire Lighting 12 AWG	LF	488.000	488.000
0306	655.0700	Loop Detector Lead In Cable	LF	3,439.000	3,439.000
0308	655.0800	Loop Detector Wire	LF	3,866.000	3,866.000
0310	656.0201	Electrical Service Meter Breaker Pedestal (location) 01. Racine Street & 7th Street	EACH	1.000	1.000
0312	657.0100	Pedestal Bases	EACH	9.000	9.000
0314	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	4.000	4.000
0316	657.0310	Poles Type 3	EACH	4.000	4.000
0318	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	3.000	3.000
0320	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	4.000	4.000
0322	657.0430	Traffic Signal Standards Aluminum 10-FT	EACH	2.000	2.000
0324	657.0595	Trombone Arms 25-FT	EACH	4.000	4.000
0326	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	4.000	4.000
0328	658.0173	Traffic Signal Face 3S 12-Inch	EACH	16.000	16.000
0330	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0332	658.5070	Signal Mounting Hardware (location) 01. Racine Street & 7th Street	EACH	1.000	1.000
0334	659.1120	Luminaires Utility LED B	EACH	4.000	4.000
0336	690.0150	Sawing Asphalt	LF	790.000	790.000
0338	690.0250	Sawing Concrete	LF	1,100.000	1,100.000
0340	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	5,235.000	5,235.000
0342	740.0440	Incentive IRI Ride	DOL	5,552.000	5,552.000
0344	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0346	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,320.000	1,320.000
0348	SPV.0060	Special 01. Connect to Existing Storm Sewer Structure	EACH	3.000	3.000
0350	SPV.0060	Special 02. Manhole Covers Type BLT	EACH	12.000	12.000
0352	SPV.0060	Special 03. Inlet Covers Type MEN	EACH	52.000	52.000
0354	SPV.0060	Special 04. Adjusting Sanitary Manholes	EACH	15.000	15.000
0356	SPV.0060	Special 05. Adjusting Water Valve Box	EACH	30.000	30.000
0358	SPV.0060	Special 06. Adjusting Water Curb Box	EACH	67.000	67.000
0360	SPV.0060	Special 07. Adjusting Water Manhole	EACH	1.000	1.000
0362	SPV.0060	Special 08. Posts Tubular Steel 2 3/8-Inch x 10-FT	EACH	21.000	21.000
0364	SPV.0060	Special 09. Posts Tubular Steel 2 3/8-Inch x 12-FT	EACH	37.000	37.000
0366	SPV.0060	Special 10. Posts Tubular Steel 2 3/8-Inch x 14-FT	EACH	1.000	1.000
0368	SPV.0060	Special 11. Traffic Signal Cabinet and Controller (Racine Street & 7th Street)	EACH	1.000	1.000
0370	SPV.0060	Special 12. Furnish & Install APS System (Racine Street & 7th Street)	EACH	1.000	1.000
0372	SPV.0060	Special 13. Salvage Traffic Signals (Racine Street & 7th Street)	EACH	1.000	1.000
0374	SPV.0060	Special 14. Salvage & Reinstall RRFB System (Racine Street & 6th Street)	EACH	1.000	1.000
0376	SPV.0075	Special 01. Street Sweeping	HRS	61.000	61.000
0378	SPV.0090	Special 01. Concrete Curb & Gutter 12-Inch Type D	LF	8.000	8.000
0380	SPV.0090	Special 02. Concrete Curb & Gutter 24-Inch Type D	LF	64.000	64.000
0382	SPV.0090	Special 03. Storm Sewer Pipe PVC 4-Inch	LF	91.000	91.000
0384	SPV.0090	Special 04. Storm Sewer Pipe PVC 6-Inch	LF	274.000	274.000
0386	SPV.0090	Special 05. Storm Sewer Pipe PVC 10-Inch	LF	39.000	39.000
0388	SPV.0090	Special 06. Storm Sewer PIpe PVC 12-Inch	LF	18.000	18.000
0390	SPV.0090	Special 07. Storm Sewer Pipe PVC 15-Inch	LF	12.000	12.000
0392	SPV.0090	Special 08. Storm Sewer Pipe PVC 18-Inch	LF	16.000	16.000

						4992-00-60
0394	SPV.0165	Special 01. Remove and Replace Pavers	SF	61.000	61.000	

3

GRUBBING

STATION - STATION	LOCATION	201.0220 ID
CATEGORY CODE 0010		
82+18 - 89+60	LT & RT	137
89+60 - 98+20	LT & RT	148
98+20 - 106+90	LT & RT	59
106+90 - 113+50	LT & RT	79
	TOTAL	**423**

SEALING PIPES

STATION	LOCATION	204.0280 EACH
CATEGORY CODE 0010		
81+83	16.7' LT	1
82+30	16.5' LT	1
	TOTAL	**2**

REMOVING ITEMS

STATION - STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0130 REMOVING CURB LF	204.0150 REMOVING CURB & GUTTER LF	COMMENTS
CATEGORY CODE 0010					
76+79 - 81+96	LT & RT	2,500	--	12	SOUTH LIMITS - RAILROAD
82+18 - 94+00	LT & RT	6,470	--	11	RAILROAD - STAGE LIMITS
78+49 - 78+81	LT	--	--	16	450 3RD ST
79+20 - 79+52	RT	--	--	16	305 RACINE ST
80+18 - 80+43	LT	--	--	16	320 RACINE ST
80+65 - 81+43	RT	--	40	--	323 RACINE ST
81+45 - 81+66	LT	--	--	17	320 RACINE ST
93+04 - 93+29	LT	--	--	18	BOYS AND GIRLS CLUB
94+00 - 113+50	LT & RT	11,330	--	--	STAGE LIMITS TO NORTH LIMITS
94+47	RT	--	9	--	629/633 RACINE ST
104+25	RT	--	--	9	741 RACINE ST
400+35 - 400+55	LT & RT	--	--	41	4TH STREET
500+39 - 500+55	LT & RT	--	--	33	5TH STREET
599+45 - 599+80	LT & RT	--	--	84	6TH STREET (WEST)
600+20 - 600+55	LT & RT	--	--	87	6TH STREET (EAST)
700+46 - 700+95	LT & RT	--	--	99	7TH STREET (EAST)
799+35 - 799+59	LT & RT	--	--	48	8TH STREET (WEST)
800+44 - 800+55	LT & RT	--	--	23	8TH STREET (EAST)
CATEGORY CODE 0010 SUBTOTALS		20,300	49	530	
CATEGORY CODE 0020					
76+79 - 77+74	LT & RT	800	--	--	THIRD STREET INTERSECTION
CATEGORY CODE 0020 SUBTOTALS		800	--	--	
TOTALS		**21,100**	**49**	**530**	

REMOVING CONCRETE SIDEWALK

STATION - STATION	LOCATION	204.0155 SY	COMMENTS
CATEGORY CODE 0010			
77+74 - 81+95	LT	193	SOUTH LIMITS - RAILROAD
77+74 - 81+95	RT	175	SOUTH LIMITS - RAILROAD
82+18 - 89+61	LT	429	RAILROAD - 6TH ST
82+18 - 83+34	RT	24	RAILROAD - 4TH ST
83+34 - 86+79	RT	184	4TH ST - 5TH ST
86+79 - 89+61	RT	167	5TH ST - 6TH ST
89+61 - 94+00	LT	286	6TH ST - STAGE LIMITS
89+61 - 94+00	RT	205	6TH ST - STAGE LIMITS
94+00 - 98+22	LT	220	STAGE LIMITS - 7TH ST
94+00 - 98+22	RT	224	STAGE LIMITS - 7TH ST
98+22 - 106+90	LT	748	7TH ST - 8TH ST
98+22 - 106+90	RT	464	7TH ST - 8TH ST
106+90 - 113+50	LT	344	8TH ST - NORTH LIMITS
106+90 - 113+50	RT	317	8TH ST - NORTH LIMITS
CATEGORY CODE 0010 SUBTOTAL		3,980	
CATEGORY CODE 0020			
76+99 - 77+74	LT	60	THIRD STREET INTERSECTION
77+00 - 77+74	RT	70	THIRD STREET INTERSECTION
CATEGORY CODE 0020 SUBTOTAL		130	
TOTAL		**4,110**	

REMOVING STORM SEWER ITEMS

STATION - STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0245.01 REMOVING STORM SEWER 4-INCH LF	204.0245.02 REMOVING STORM SEWER 6-INCH LF	204.0245.03 REMOVING STORM SEWER 8-INCH LF	204.0245.04 REMOVING STORM SEWER 10-INCH LF	204.0245.05 REMOVING STORM SEWER 12-INCH LF	204.0245.06 REMOVING STORM SEWER 15-INCH LF	204.0245.07 REMOVING STORM SEWER 18-INCH LF	204.0245.08 REMOVING STORM SEWER 24-INCH LF	204.0245.09 REMOVING STORM SEWER 30-INCH LF	204.0245.10 REMOVING STORM SEWER 60-INCH LF
CATEGORY CODE 0010													
76+79 - 76+94	LT & RT	--	--	--	--	--	--	--	--	15	--	--	--
79+52 -81+85	LT & RT	3	2	--	6	8	--	349	--	--	--	--	--
83+02 - 92+76	LT & RT	12	20	55	--	--	478	450	761	5	86	--	--
95+16 - 98+43	LT & RT	5	6	12	--	--	142	322	59	7	--	64	--
98+29 - 107+34	LT & RT	6	9	--	39	--	290	970	--	--	--	--	138
113+22 - 113+30	LT & RT	1	2	--	--	--	18	51	--	--	--	--	--
CATEGORY CODE 0010 SUBTOTALS		27	39	67	45	8	928	2,142	820	27	86	64	138
CATEGORY CODE 0020													
76+79 - 77+74	LT & RT	--	2	--	--	--	12	118	--	--	--	--	--
CATEGORY CODE 0020 SUBTOTALS		--	2	--	--	--	12	118	--	--	--	--	--
TOTALS		**27**	**41**	**67**	**45**	**8**	**940**	**2,260**	**820**	**27**	**86**	**64**	**138**

ABANDONING SEWER

STATION - STATION	LOCATION	204.0291.S CY	COMMENTS
CATEGORY CODE 0010			
81+81 - 83+01	LT	3.6	ABANDONING SS PIPE UNDERNEATH RR
TOTAL		**3.6**	

3

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	205.0100 COMMON EXCAVATION (1) EBS EXCAVATION (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.30	MASS ORDINATE +/- (14)	WASTE	COMMENT
DIVISION 1											
RACINE STREET	76+84.89/77+73.90	RACINE STREET	404	41	190	214	0	0	214	214	CATEGORY 0020
RACINE STREET	77+73.90/113+50	RACINE STREET	9,568	957	5,510	4,058	172	224	3,834	3,834	CATEGORY 0010
FOURTH STREET	400+18.61/400+55	FOURTH STREET	69	0	17	52	1	1	51	51	CATEGORY 0010
FIFTH STREET	500+20/500+55	FIFTH STREET	60	0	13	47	0	0	47	47	CATEGORY 0010
SIXTH STREET (WEST)	599+45/599+79.90	SIXTH STREET (WEST)	93	0	24	69	0	0	69	69	CATEGORY 0010
SIXTH STREET (EAST)	600+19.90/600+55	SIXTH STREET (EAST)	69	0	16	53	0	0	53	53	CATEGORY 0010
SEVENTH STREET (WEST)	699+07.5/699+78	SEVENTH STREET (WEST)	246	0	92	154	7	9	145	145	CATEGORY 0010
SEVENTH STREET (EAST)	700+22/700+95	SEVENTH STREET (EAST)	185	0	42	143	0	0	143	143	CATEGORY 0010
EIGHTH STREET (WEST)	799+35/799+80	EIGHTH STREET (WEST)	130	0	33	97	5	7	91	91	CATEGORY 0010
EIGHTH STREET (EAST)	800+20/800+55	EIGHTH STREET (EAST)	98	0	21	77	0	0	77	77	CATEGORY 0010
DIVISION 1 SUBTOTAL		DIVISION 1 SUBTOTAL	10,922	998	5,958	4,964	185	241	4,724	4,724	
GRAND TOTAL			10,922	998	5,958	4,964	185	241	4,724	4,724	
TOTAL COMMON EXC			11,920								

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(6) NOT USED

(7) NOT USED

(8) NOT USED

(9) NOT USED

(10) NOT USED

(11) NOT USED

(12) NOT USED

(13) EXPANDED FILL FACTOR = 1.30. EXPANDED FILL = UNEXPANDED FILL * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

STATION	LOCATION	205.0501.S TON
CATEGORY CODE 0010		
78+00 - 78+25	RT	95
	TOTAL	**95**

WEIGHT CALCULATIONS BASED ON 1.7 TONS/ CY.

BASE AGGREGATE DENSE AND WATER ITEMS

STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER MGAL	COMMENTS
CATEGORY CODE 0010					
76+79 - 81+95	LT & RT	111	1,027	15.6	SOUTH LIMITS - RAILROAD
82+04 - 82+10	LT & RT	--	17	0.2	BETWEEN TRACKS
82+18 - 94+00	LT & RT	426	2,798	44.4	RAILROAD - STAGE LIMITS
94+00 - 113+50	LT & RT	678	4,637	73.2	STAGE LIMITS - NORTH LIMITS
400+39 - 400+55	LT & RT	--	45	0.6	FOURTH STREET
500+37 - 500+55	LT & RT	--	11	0.2	FIFTH STREET
599+45 - 599+58	LT & RT	--	7	0.1	SIXTH STREET (WEST)
600+37 - 600+55	LT & RT	--	11	0.2	SIXTH STREET (EAST)
700+42 - 700+95	LT & RT	--	29	0.4	SEVENTH STREET (EAST)
799+35 - 799+58	LT & RT	--	15	0.2	EIGHTH STREET (WEST)
800+42 - 800+55	LT & RT	--	7	0.1	EIGHT STREET (EAST)
CATEGORY CODE 0010 SUBTOTALS		1,215	8,604	135.2	
CATEGORY CODE 0020					
76+79 - 77+74	LT & RT	45	306	4.8	THIRD STREET INTERSECTION
CATEGORY CODE 0020 SUBTOTALS		45	306	4.8	
	TOTALS	**1,260**	**8,910**	**140.0**	

BASE AGGREGATE DENSE 3/4-INCH WEIGHT CALCULATIONS BASED ON 2.1 TONS/CY.
BASE AGGREGATE DENSE 1 1/4-INCH WEIGHT CALCULATIONS BASED ON 2.0 TONS/CY.

BREAKER RUN & GEOSYNTHETICS

LOCATION	311.0110 BREAKER RUN TON	645.0140* GEOTEXTILE TYPE SAS SY
CATEGORY CODE 0010		
UNDISTRIBUTED EBS	1,734	2,769
CATEGORY CODE 0010 SUBTOTAL	1,734	2,769
CATEGORY CODE 0020		
UNDISTRIBUTED EBS	76	121
CATEGORY CODE 0020 SUBTOTAL	76	121
TOTALS	**1,810**	**2,890**

BREAKER RUN WEIGHT CALCULATIONS BASED ON 1.8 TONS/ CY.
*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

CONCRETE PAVEMENT ITEMS

STATION - STATION	LOCATION	405.0100 COLORING CONCRETE WISDOT RED CY	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.4100 CONCRETE PAVEMENT JOINT FILLING SY
CATEGORY CODE 0010					
76+79 - 81+85	LT & RT	2.0	1,840	3	2,060
82+30 - 94+00	LT & RT	--	5,385	--	6,020
94+00 - 113+50	LT & RT	--	9,600	--	10,685
CATEGORY CODE 0010 SUBTOTALS		2.0	16,825	3	18,765
CATEGORY CODE 0020					
76+79 - 77+74	LT & RT	13.0	645	--	745
CATEGORY CODE 0020 SUBTOTALS		13.0	645	--	745
	TOTALS	**15.0**	**17,470**	**3**	**19,510**

DRILLED TIE BARS AND DRILLED DOWEL BARS

LOCATION	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
CATEGORY CODE 0010		
SOUTH LIMITS	4	--
FORTH STREET	6	--
FIFTH STREET	6	--
SIXTH STREET WEST	6	--
SIXTH STREET EAST	6	--
SEVENTH STREET WEST	12	29
SEVENTH STREET EAST	6	--
EIGHTH STREET WEST	6	--
EIGHTH STREET EAST	6	--
NORTH LIMITS	6	30
CATEGORY CODE 0010 SUBTOTALS	64	59
CATEGORY CODE 0020		
SOUTH LIMITS	62	22
CATEGORY CODE 0020 SUBTOTALS	62	22
TOTALS	**126**	**81**

ASPHALTIC ITEMS

STATION - STATION	LOCATION	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	COMMENTS
CATEGORY CODE 0010					
81+85 - 81+95	LT & RT	14	65	--	RR WEST APPROACH
81+96 - 82+04	LT & RT	5	23	--	BETWEEN RAILROAD TRACKS
82+18 - 82+30	LT & RT	13	60	--	RR EAST APPROACH
400+39 - 400+55	LT & RT	3	12	--	4TH ST
500+39 - 500+55	LT & RT	2	9	--	5TH ST
599+45 - 599+58	LT & RT	3	12	--	6TH ST WEST
600+37 - 600+55	LT & RT	3	12	--	6TH ST EAST
700+42 - 700+55	LT & RT	10	45	--	7TH ST
799+35 -799+58	LT & RT	5	25	--	8TH ST WEST
800+42 - 800+55	LT & RT	3	12	--	8TH ST EAST
THIRD STREET		--	--	3	STORM SEWER TRENCH
	TOTALS	**61**	**275**	**3**	

TACK COAT CALCULATIONS BASED ON 0.050 GAL/SY
ASPHALTIC SURFACE WEIGHT CALCULATIONS BASED ON 112 LB/SY/IN.

DRIVEWAY ITEMS

STATION	LOCATION	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	602.0810 CONCRETE DRIVEWAY 6-INCH SY	602.0820 CONCRETE DRIVEWAY 8-INCH SY
CATEGORY CODE 0010				
78+66	LT	6	--	29
79+36	RT	6	--	37
80+31	LT	3	39	--
80+43	RT	3	34	--
81+00	RT	8	--	52
81+56	LT	4	--	33
81+59	RT	7	--	50
82+86	LT	--	--	94
83+88	RT	1	16	--
84+08	LT	1	15	--
84+45	RT	--	15	--
84+65	LT	4	36	--
84+72	LT	--	--	--
85+20	LT	2	15	--
85+53	RT	4	32	--
86+12	LT	--	61	--
86+72	LT	--	32	--
87+73	LT	2	15	--
87+88	RT	2	17	--
88+15	LT	--	15	--
88+43	RT	1	15	--
88+63	LT	--	26	--
91+05	RT	3	15	--
91+60	RT	--	30	--
92+31	RT	--	43	--
93+17	LT	3	29	--
93+32	RT	2	15	--
93+66	RT	--	44	--
94+44	RT	1	29	--
94+83	LT	--	24	--
94+97	RT	--	24	--
95+33	LT	--	24	--
95+81	RT	--	--	--

DRIVEWAY ITEMS

STATION	LOCATION	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	602.0810 CONCRETE DRIVEWAY 6-INCH SY	602.0820 CONCRETE DRIVEWAY 8-INCH SY
CATEGORY CODE 0010				
95+83	LT	--	23	--
95+90	RT	2	31	--
96+33	LT	--	15	--
96+43	RT	2	12	--
96+54	LT	2	17	--
97+12	RT	--	21	--
100+24	RT	2	13	--
101+07	RT	--	43	--
101+95	RT	--	17	--
102+52	RT	--	15	--
103+05	RT	--	15	--
103+57	RT	2	15	--
104+19	RT	--	17	--
105+21	RT	--	46	--
107+93	RT	--	15	--
108+19	RT	--	24	--
108+67	RT	2	15	--
108+76	LT	1	15	--
109+69	RT	--	34	--
110+18	LT	--	15	--
110+23	RT	--	71	--
110+70	LT	--	26	--
110+87	RT	--	15	--
111+23	LT	--	24	--
111+72	LT	2	18	--
112+15	RT	--	31	--
112+24	LT	--	25	--
112+73	LT	2	15	--
112+92	RT	--	15	--
113+23	LT	--	27	--
	TOTALS	**80**	**1,345**	**295**

ITEMS FOR GRAVEL DRIVEWAYS SHOWN UNDER THE BASE AGGREGATE DENSE TABLE

TEMPORARY SHORING

STATION	LOCATION	511.1100 SF
CATEGORY CODE 0010		
81+88	LT	160
	TOTAL	**160**

CONCRETE CURB AND GUTTER ITEMS

STATION - STATION	LOCATION	601.0110 CONCRETE CURB TYPE D LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	SPV.0090.01 CONCRETE CURB & GUTTER 12-INCH TYPE D LF	SPV.0090.02 CONCRETE CURB & GUTTER 24-INCH TYPE D LF	COMMENTS
CATEGORY CODE 0010											
77+74 - 81+95	LT	--	--	--	396	18	--	66	--	48	77+74 - RAILROAD
77+74 - 81+95	RT	40	--	16	396	18	--	74	--	--	77+74 - RAILROAD
82+18 - 89+57	LT	--	--	--	703	31	14	31	--	--	RAILROAD - 6TH ST
82+18 - 83+34	RT	--	--	--	85	34	--	34	--	--	RAILROAD - 4TH ST
83+34 - 86+79	RT	--	--	--	335	34	--	34	--	--	4TH ST - 5TH ST
86+79 - 89+67	RT	--	--	--	279	36	13	36	--	--	5TH ST - 6TH ST
89+57 - 94+00	LT	--	--	--	436	13	--	29	--	16	6TH ST - STAGE LIMITS
89+67 - 94+00	RT	--	--	--	428	18	--	18	--	--	6TH ST - STAGE LIMITS
94+00 - 98+31	LT	--	--	--	452	--	--	--	--	--	STAGE LIMITS - 7TH ST
94+00 - 98+24	RT	8	--	--	417	51	--	59	--	--	STAGE LIMITS - 7TH ST
98+31 - 106+86	LT	--	--	--	874	27	--	27	--	--	7TH ST - 8TH ST
98+22 - 106+91	RT	--	--	--	851	63	--	71	8	--	7TH ST - 8TH ST
106+86 - 113+50	LT	--	--	--	650	23	--	23	--	--	8TH ST - 9TH ST
106+91 - 113+50	RT	--	--	--	650	13	--	13	--	--	8TH ST - 9TH ST
CATEGORY CODE 0010 SUBTOTALS		48	--	16	6,952	379	27	515	8	64	
CATEGORY CODE 0020											
76+79 - 77+74	LT	--	54	--	118	--	34	--	--	--	THIRD STREET INTERSECTION
76+79 - 77+74	RT	--	46	--	132	--	34	--	--	--	THIRD STREET INTERSECTION
CATEGORY CODE 0020 SUBTOTALS		--	100	--	250	--	68	--	--	--	
	TOTALS	**48**	**100**	**16**	**7,202**	**379**	**95**	**515**	**8**	**64**	

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CONCRETE SIDEWALK ITEMS

STATION - STATION	LOCATION	405.1000 STAMPING COLORED CONCRETE CY	602.0405 CONCRETE SIDEWALK 4-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0615 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	602.1500 CONCRETE STEPS SF	COMMENTS
CATEGORY CODE 0010								
77+74 - 81+85	LT	--	1,742	--	10	--	--	77+74 - RR
77+74 - 81+85	RT	--	1,644	--	10	--	--	77+74 - RR
82+21 - 89+57	LT	--	3,386	32	50	--	41	RR - SIXTH ST
82+22 - 83+34	RT	--	388	38	20	--	--	RR - FOURTH ST
83+34 - 86+78	RT	--	1,570	145	40	--	--	FOURTH ST - FIFTH ST
86+78 - 89+66	RT	--	1,486	96	30	--	13	FIFTH ST - SIXTH ST
89+57 - 94+00	LT	--	2,524	87	20	--	--	SIXTH ST - STAGE LIMITS
89+66 - 94+00	RT	--	1,898	67	20	--	35	SIXTH ST - STAGE LIMITS
94+00 - 98+31	LT	--	2,006	37	10	--	14	STAGE LIMITS - SEVENTH ST
94+00 - 98+24	RT	--	1,930	41	20	--	5	STAGE LIMITS - SEVENTH ST
98+31 - 106+87	LT	--	5,024	215	30	17	--	SEVENTH ST - EIGTH ST
98+24 - 106+91	RT	--	4,030	115	40	--	59	SEVENTH ST - EIGHTH ST
106+87 - 113+50	LT	--	2,998	110	10	--	33	EIGHTH ST - NINTH ST
106+91 - 113+50	RT	--	2,786	115	10	--	7	EIGHTH ST - NINTH ST
CATEGORY CODE 0010 SUBTOTALS		--	33,412	1,098	320	17	207	
CATEGORY CODE 0020								
76+85 - 77+74	LT	2	652	121	40	--	--	THIRD STREET INTERSECTION
76+85 - 77+74	RT	1	690	121	40	--	--	THIRD STREET INTERSECTION
78+90 - 79+21	RT	1	82	--	--	--	--	TERRACE
81+75 - 81+85	RT	1	64	--	--	--	--	TERRACE
CATEGORY CODE 0020 SUBTOTALS		5	1,488	242	80	--	--	
TOTALS		**5**	**34,900**	**1,340**	**400**	**17**	**207**	

*CURB RAMPS AT INTERSECTIONS TO BE PAID FOR AS CONCRETE SIDEWALK 6-INCH

STORM SEWER PIPES CONTINUED

FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.6010 STORM SEWER PIPE COMPOSITE 10-INCH LF	608.6015 STORM SEWER PIPE COMPOSITE 15-INCH LF	SPV.0090.03 STORM SEWER PIPE PVC 4-INCH LF	SPV.0090.04 STORM SEWER PIPE PVC 6-INCH LF	SPV.0090.05 STORM SEWER PIPE PVC 10-INCH LF	SPV.0090.06 STORM SEWER PIPE PVC 12-INCH LF	SPV.0090.07 STORM SEWER PIPE PVC 15-INCH LF	SPV.0090.08 STORM SEWER PIPE PVC 18-INCH LF
CATEGORY CODE 0010																					
101	-	100	RACINE	--	--	--	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102	-	101	RACINE	--	--	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102.1	-	102.2	RACINE	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102.2	-	102	RACINE	--	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102.3	-	102	RACINE	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102.4	-	102.3	RACINE	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102.5	-	102.3	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--	--	--	--
103	-	102	RACINE	--	--	81	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
103.1	-	103	RACINE	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
104	-	103	RACINE	--	--	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105	-	104	RACINE	--	--	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105.1	-	105	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--
105.2	-	105	RACINE	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105.3	-	105	RACINE	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
201	-	202	RACINE	--	--	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
201.1	-	201	RACINE	--	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
202	-	205	RACINE	--	--	--	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--
203	-	202	FOURTH	--	--	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
203.1	-	203	FOURTH	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
203.2	-	203	FOURTH	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
204	-	203	FOURTH	--	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205	-	206	RACINE	--	--	--	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205.1	-	205	RACINE	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206	-	207	RACINE	--	--	--	147	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206.1	-	206	RACINE	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206.2	-	206	RACINE	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
206.3	-	206.1	RACINE	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207	-	208	RACINE	--	--	--	--	43	--	--	--	--	--	--	--	--	--	--	--	--	--
207.1	-	207	RACINE	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
207.2	-	207	RACINE	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
208	-	211	RACINE	--	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	--	--
209	-	208	FIFTH	--	--	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
209.1	-	209	FIFTH	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
209.2	-	209	FIFTH	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
210	-	209	FIFTH	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	--
211	-	212	RACINE	--	--	--	--	215	--	--	--	--	--	--	--	--	--	--	--	--	--
211.1	-	211	RACINE	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
211.2	-	211	RACINE	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
211.3	-	211.1	RACINE	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
212	-	213	RACINE	--	--	--	--	--	46	--	--	--	--	--	--	--	--	--	--	--	--
212.1	-	212	RACINE	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
212.2	-	212	RACINE	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
213	-	216	SIXTH-WEST	--	--	--	--	--	--	29	--	--	--	--	--	--	--	--	--	--	--
214	-	213	SIXTH-WEST	--	--	--	--	--	--	53	--	--	--	--	--	--	--	--	--	--	--
214.1	-	214	SIXTH-EAST	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CATEGORY CODE 0010 SHEET SUBTOTALS				344	57	388	599	278	46	82	--	--	--	--	--	10	--	8	12	--	

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

STORM SEWER PIPES CONTINUED

FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.6010 STORM SEWER PIPE COMPOSITE 10-INCH LF	608.6015 STORM SEWER PIPE COMPOSITE 15-INCH LF	SPV.0090.03 STORM SEWER PIPE PVC 4-INCH LF	SPV.0090.04 STORM SEWER PIPE PVC 6-INCH LF	SPV.0090.05 STORM SEWER PIPE PVC 10-INCH LF	SPV.0090.06 STORM SEWER PIPE PVC 12-INCH LF	SPV.0090.07 STORM SEWER PIPE PVC 15-INCH LF	SPV.0090.08 STORM SEWER PIPE PVC 18-INCH LF
CATEGORY CODE 0010																					
214.2	-	214	SIXTH-EAST	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
215	-	214	SIXTH-EAST	--	--	--	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--
216	-	217	SIXTH-WEST	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8
216.1	-	216	SIXTH-WEST	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
216.2	-	216	SIXTH-WEST	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218	-	213	RACINE	--	--	29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218.1	-	218	RACINE	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
218.2	-	218	RACINE	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
219	-	218	RACINE	--	--	250	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
219.1	-	219	RACINE	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
219.2	-	219.1	RACINE	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
219.3	-	219	RACINE	36	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
301	-	302	RACINE	--	--	175	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
301.1	-	301	RACINE	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
301.2	-	301	RACINE	--	32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
301.3	-	301.2	RACINE	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
302	-	303	RACINE	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
302.1	-	302	RACINE	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
302.2	-	302	RACINE	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
303	-	304	RACINE	--	--	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
303.1	-	303	RACINE	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
303.2	-	303.1	RACINE	--	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--	--
304	-	305	SEVENTH-WEST	--	--	--	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--
306	-	304	SEVENTH-EAST	--	--	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
306.1	-	306	SEVENTH-EAST	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
307	-	306	SEVENTH-EAST	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8
402	-	401	SEVENTH-WEST	--	--	--	--	--	--	--	--	64	--	--	--	--	--	--	--	--	--
403	-	402	SEVENTH-EAST	--	--	--	--	--	--	--	--	73	--	--	--	--	--	--	--	--	--
404	-	402	SEVENTH-EAST	--	--	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	--
404.1	-	404	SEVENTH-EAST	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
405	-	404	RACINE	--	--	--	--	158	--	--	--	--	--	--	--	--	--	--	--	--	--
405.1	-	405	RACINE	--	12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
405.2	-	405.1	RACINE	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
405.3	-	405.2	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--	--
405.4	-	405	RACINE	--	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
405.5	-	405.4	RACINE	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
405.6	-	405.4	RACINE	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
406	-	405	RACINE	--	--	--	--	282	--	--	--	--	--	--	--	--	--	--	--	--	--
406.1	-	406	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	8	--	--	--
407	-	406	RACINE	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--
407.1	-	407	RACINE	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
407.2	-	407	RACINE	--	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
407.3	-	407.2	RACINE	20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
408	-	407	RACINE	--	--	--	280	--	--	--	--	--	--	--	--	--	--	--	--	--	--
408.1	-	408	RACINE	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CATEGORY CODE 0010 SHEET SUBTOTALS				382	128	599	382	440	13	--	--	137	10	8	--	--	16	--	--	16	

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

STORM SEWER PIPES CONTINUED

FROM	-	TO	LOCATION	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.6010 STORM SEWER PIPE COMPOSITE 10-INCH LF	608.6015 STORM SEWER PIPE COMPOSITE 15-INCH LF	SPV.0090.03 STORM SEWER PIPE PVC 4-INCH LF	SPV.0090.04 STORM SEWER PIPE PVC 6-INCH LF	SPV.0090.05 STORM SEWER PIPE PVC 10-INCH LF	SPV.0090.06 STORM SEWER PIPE PVC 12-INCH LF	SPV.0090.07 STORM SEWER PIPE PVC 15-INCH LF	SPV.0090.08 STORM SEWER PIPE PVC 18-INCH LF
CATEGORY CODE 0010																					
408.2	-	408	RACINE	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
409	-	408	RACINE	--	--	--	78	--	--	--	--	--	--	--	--	--	--	--	--	--	--
410	-	409	RACINE	--	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
410.1	-	410	EIGHTH-WEST	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
410.2	-	410	RACINE	--	24	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
410.3	-	410.2	RACINE	42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
411	-	409	EIGHTH-EAST	--	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
411.1	-	411	EIGHTH-EAST	--	--	--	--	--	--	--	7	--	--	--	--	--	--	--	--	--	--
411.2	-	411	EIGHTH-EAST	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--
412	-	411	EIGHTH-EAST	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--	--	--	--
500	-	501	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	5	--	--	--
501	-	502	RACINE	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
501.1	-	501	RACINE	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
501.2	-	501	RACINE	--	--	--	--	--	--	--	36	--	--	--	--	--	--	--	--	--	--
501.3	-	501.2	RACINE	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--	--	--	--
CATEGORY CODE 0010 SHEET SUBTOTALS				123	112	--	78	--	--	--	113	--	--	--	--	--	--	5	--	--	--
CATEGORY CODE 0010 SUBTOTALS				849	297	987	1,059	718	59	82	113	137	10	8	--	10	21	8	12	16	
CATEGORY CODE 0020																					
101.1	-	101.2	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	18	--	--	--
101.2	-	101	RACINE	--	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
101.3	-	101	RACINE	--	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
101.4	-	101.3	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10	--	--
101.5	-	101.3	RACINE	--	--	--	--	--	--	--	8	--	--	--	--	--	--	--	--	--	--
BUILDING 319	-	LAT 319	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	20	--	--	--	--	--
BUILDING 403	-	LAT 403	RACINE	--	--	--	--	--	--	--	--	--	--	--	48	--	--	--	--	--	--
HOUSE 408	-	LAT 408	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--
HOUSE 621	-	219.3	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	42	--	--	--	--	--
HOUSE 649	-	LAT 649	RACINE	--	--	--	--	--	--	--	--	--	--	--	43	--	--	--	--	--	--
HOUSE 717	-	LAT 717	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	43	--	--	--	--	--
HOUSE 741	-	LAT 741	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	43	--	--	--	--	--
HOUSE 745	-	LAT 745	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	43	--	--	--	--	--
HOUSE 839	-	LAT 839	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	12	--	--	--	--	--
HOUSE 845	-	LAT 845	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--	--
CATEGORY CODE 0020 SUBTOTALS				--	84	--	--	--	--	--	8	--	--	--	91	264	18	10	--	--	
TOTALS				**849**	**381**	**987**	**1,059**	**718**	**59**	**82**	**121**	**137**	**10**	**8**	**91**	**274**	**39**	**18**	**12**	**16**	

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.01 CONNECT TO EXISTING STORM SEWER STRUCTURE EACH	SPV.0060.02 MANHOLE COVERS TYPE BLT EACH	SPV.0060.03 INLET COVERS TYPE MEN EACH
CATEGORY CODE 0010																				
100	76+79.49	12.92' RT	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
101.5	77+12.40	48.18' RT	RACINE	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102	79+60.47	13.00' RT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
102.1	79+61.97	23.45' LT	RACINE	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
102.2	79+68.46	18.77' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
102.3	79+60.44	19.31' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
102.4	79+52.24	25.03' RT	RACINE	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
103	80+41.05	13.00' RT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
103.1	80+41.05	36.49' RT	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	1	--	1	--	--
104	80+41.05	16.50' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
105	81+81.28	16.63' LT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
105.2	81+85.11	17.77' LT	RACINE	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
105.3	81+82.40	12.79' LT	RACINE	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
201	83+01.70	15.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
201.1	83+02.11	24.49' LT	RACINE	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
202	83+28.81	15.00' LT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
203	400+40.00	5.00' RT	FOURTH	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
203.1	400+40.00	15.50' RT	FOURTH	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
203.2	400+40.00	15.00' LT	FOURTH	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
204	400+48.00	5.14' RT	FOURTH	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
205	83+50.00	15.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
205.1	83+50.00	37.00' LT	RACINE	--	--	1	--	--	--	--	--	--	--	1	--	--	1	--	--	--
206	85+00.00	15.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
206.1	85+00.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
206.2	85+00.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
206.3	84+90.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
207	86+47.18	15.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
207.1	86+47.18	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
207.2	86+47.18	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
208	86+90.12	15.00' LT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
209	500+38.70	1.50' RT	FIFTH	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
209.1	500+38.70	11.00' RT	FIFTH	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
209.2	500+38.70	11.00' LT	FIFTH	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
211	87+10.00	15.00' LT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
211.1	87+10.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
211.2	87+10.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
211.3	87+30.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
212	89+25.00	15.00' LT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
212.1	89+25.00	23.31' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
212.2	89+25.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
213	89+70.74	15.00' LT	RACINE	--	1	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--
214	600+38.47	5.00' LT	SIXTH-EAST	--	1	--	--	--	--	--	1	--	--	--	--	--	1	--	--	--
214.1	600+38.47	13.50' RT	SIXTH-EAST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
214.2	600+38.47	13.50' LT	SIXTH-EAST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
215	600+46.47	5.04' LT	SIXTH-EAST	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	CATEGORY CODE 0010 SHEET SUBTOTALS			8	16	1	--	18	8	6	1	1	--	1	--	1	35	2	--	18

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

3

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.01 CONNECT TO EXISTING STORM SEWER STRUCTURE EACH	SPV.0060.02 MANHOLE COVERS TYPE BLT EACH	SPV.0060.03 INLET COVERS TYPE MEN EACH
CATEGORY CODE 0010																				
216	599+56.22	12.50' LT	SIXTH-WEST	--	1	--	--	--	--	--	1	--	--	--	--	--	1	--	--	--
216.1	599+56.22	19.75' RT	SIXTH-WEST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
216.2	599+56.22	18.25' LT	SIXTH-WEST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
218	89+99.73	15.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
218.1	89+99.73	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
218.2	89+99.73	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
219	92+50.00	15.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
219.1	92+50.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
219.2	92+62.63	48.98' LT	RACINE	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--
219.3	92+50.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
301	95+50.00	10.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
301.1	95+50.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
301.2	95+50.00	22.18' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
301.3	95+30.00	21.78' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
302	97+25.00	10.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
302.1	97+25.00	23.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
302.2	97+25.00	23.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
303	97+70.45	10.00' LT	RACINE	--	1	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--
303.1	97+70.45	23.61' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
304	98+13.79	10.00' LT	RACINE	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	--
305	699+25.91	17.27' RT	SEVENTH-WEST	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
306	700+47.31	9.67' RT	SEVENTH-EAST	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
306.1	700+47.31	18.00' RT	SEVENTH-EAST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
401	699+25.99	2.06' RT	SEVENTH-WEST	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
402	98+29.04	10.00' LT	RACINE	--	--	--	--	--	--	--	--	--	1	--	--	--	1	--	1	--
403	700+63.31	5.21' LT	SEVENTH-EAST	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
404	98+42.00	10.00' LT	RACINE	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	--
404.1	700+47.31	18.00' LT	SEVENTH-EAST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
405	100+00.00	10.00' LT	RACINE	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	1	--
405.1	100+00.00	21.77' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
405.2	100+16.59	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
405.4	100+00.00	22.69' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
405.5	99+85.00	22.94' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
405.6	100+10.00	22.52' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
406	102+81.93	10.00' LT	RACINE	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
407	103+20.00	10.00' LT	RACINE	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
407.1	103+20.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
407.2	103+20.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
407.3	103+40.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
408	106+00.00	10.00' LT	RACINE	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
408.1	106+00.00	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
408.2	106+00.00	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
409	106+78.48	10.00' LT	RACINE	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
410	107+10.97	21.00' LT	RACINE	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
410.1	799+56.72	25.00' LT	EIGHTH-WEST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
	CATEGORY CODE 0010 SHEET SUBTOTALS			3	6	--	--	25	11	3	1	--	1	--	--	--	41	1	10	25

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

3

3

STORM SEWER STRUCTURES

STRUCTURE	STATION	OFFSET*	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3003 INLETS 3-FT DIAMETER EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.01 CONNECT TO EXISTING STORM SEWER STRUCTURE EACH	SPV.0060.02 MANHOLE COVERS TYPE BLT EACH	SPV.0060.03 INLET COVERS TYPE MEN EACH
CATEGORY CODE 0010																				
410.2	107+34.65	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
410.3	107+34.65	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
411	800+43.75	12.50' RT	EIGHTH-EAST	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
411.1	800+43.75	19.50' RT	EIGHTH-EAST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
411.2	800+43.75	19.50' LT	EIGHTH-EAST	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
412	800+51.75	12.46' RT	EIGHTH-EAST	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
499	108+28.37	15.50' LT	RACINE	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
501	113+08.48	15.00' LT	RACINE	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	1	--
501.1	113+08.45	21.00' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
501.2	113+08.48	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
501.3	112+78.48	21.00' RT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
	CATEGORY CODE 0010 SHEET SUBTOTALS			1	--	--	--	7	2	--	--	--	--	--	1	--	9	--	2	7
	CATEGORY CODE 0010 SUBTOTALS			13	22	1	--	50	21	9	2	1	1	1	1	1	85	3	12	50
CATEGORY CODE 0020																				
101	77+20.00	13.00' RT	RACINE	--	1	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--
101.2	77+20.49	36.63' LT	RACINE	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	1
101.3	77+20.32	47.09' RT	RACINE	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--	--	1
	CATEGORY CODE 0020 SUBTOTALS			--	1	--	1	1	--	1	--	--	--	--	--	--	3	--	--	2
			TOTALS	**13**	**23**	**1**	**1**	**51**	**21**	**10**	**2**	**1**	**1**	**1**	**1**	**1**	**88**	**3**	**12**	**52**

REMARKS:
*STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

RESTORATION ITEMS

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEED MIX NO. 40 LB	630.0500 SEED WATER MGAL	COMMENTS
CATEGORY CODE 0010							
77+74 - 81+95	LT	300	300	0.2	14	7	77+74 - RAILROAD
77+74 - 81+95	RT	218	218	0.1	10	5	77+74 - RAILROAD
82+18 - 89+60	LT	510	510	0.3	23	12	RAILROAD - SIXTH STREET
82+18 - 83+30	RT	158	158	0.1	7	4	RAILROAD - FOURTH STREET
83+30 - 86+80	RT	260	260	0.2	12	6	FOURTH STREET - FIFTH STREET
86+80 - 89+60	RT	227	227	0.1	10	5	FIFTH STREET - SIXTH STREET
89+60 - 94+00	LT	376	376	0.2	17	8	SIXTH STREET - STREETAGE LIMITS
89+60 - 94+00	RT	327	327	0.2	15	7	SIXTH STREET - STREETAGE LIMITS
94+00 - 98+30	LT	345	345	0.2	16	8	STREETAGE LIMITS - SEVENTH STREET
89+67 - 98+22	RT	297	297	0.2	13	7	STREETAGE LIMITS - SEVENTH STREET
98+30 - 106+90	LT	872	872	0.6	39	20	SEVENTH STREET - EIGHTH STREET
98+22 - 106+90	RT	694	694	0.4	31	16	SEVENTH STREET - EIGHTH STREET
106+90 - 113+50	LT	525	525	0.3	24	12	EIGHTH STREET - NORTH LIMITS
106+90 - 113+50	RT	485	485	0.3	22	11	EIGHTH STREET - NORTH LIMITS
UNDISTRIBUTED		1,395	1,395	0.6	63	29	
CATEGORY CODE 0010 SUBTOTALS		6,989	6,989	4.0	316	157	
CATEGORY CODE 0020							
76+79 - 77+74	LT	27	27	--	1	1	THIRD STREET INTERSECTION
76+79 - 77+74	RT	30	30	--	1	1	THIRD STREET INTERSECTION
UNDISTRIBUTED		14	14	--	--	--	
CATEGORY CODE 0020 SUBTOTALS		71	71	--	2	2	
TOTALS		**7,060**	**7,060**	**4.0**	**318**	**159**	

EROSION CONTROL MOBILIZATIONS ITEMS

LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
CATEGORY CODE 0010		
PROJECT 4992-00-60	13	7
TOTALS	**13**	**7**

INLET PROTECTION ITEMS

LOCATION	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
CATEGORY CODE 0010			
EXISTING STRUCTURES	32	8	12
PROPOSED STRUCTURES	17	--	35
UNDISTRIBUTED	11	2	13
TOTALS	**60**	**10**	**60**

TRACKING PADS

LOCATION	628.7560 EACH
CATEGORY CODE 0010	
PROJECT 4992-00-60	2
TOTAL	**2**

SIGNING ITEMS

SIGN NUMBER	EXISTING STATION	EXISTING LOCATION	PROPOSED STATION	PROPOSED LOCATION	ROADWAY	SIGN CODE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.08 POSTS TUBULAR STEEL 2 3/8-INCH X 10-FT EACH	SPV.0060.09 POSTS TUBULAR STEEL 2 3/8-INCH X 12-FT EACH	SPV.0060.10 POSTS TUBULAR STEEL 2 3/8-INCH X 14-FT EACH	COMMENTS
CATEGORY CODE 0010																	
105	77+78	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
106	--	--	77+88	RT	RACINE STREET	J3-1	24X57	9.50	--	--	--	--	--	--	--	1	M4-5; M1-1 [41]; M6-1 [UA]
201	79+10	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
202	79+19	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
203	--	--	79+80	LT	RACINE STREET	R14-1	24X18	3.00	--	--	--	--	--	--	1	--	--
						M6-1	21X21	3.06	--	--	--	--	--	--	--	--	[RA]
						R7-1D	18X24	3.00	--	--	--	--	--	--	--	--	ROTATE ON POST 45 DEGREES TO TRAFFIC
204	--	--	79+80	RT	RACINE STREET	R7-1D	18X24	3.00	--	--	--	--	--	1	--	--	--
205	80+22	RT	80+23	RT	RACINE STREET	W10-1	36X36	--	--	7.07	--	1	1	--	1	--	--
						W10-9P	24X18	--	--	3.00	--	--	--	--	--	--	--
206	81+78	RT	80+23	RT	RACINE STREET	--	--	--	--	--	1	--	--	--	--	--	CANADIAN NATIONAL RR PHONE NUMBER MOUNT BELOW SIGN #205
207	80+63	LT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
208	80+63	LT	80+80	LT	RACINE STREET	--	--	--	--	--	1	--	--	--	2	--	CITY OF MENASHA DIRECTIONAL SIGN
209	81+78	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
210	82+82	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
211	--	--	82+93	RT	RACINE STREET	R2-1	24X30	5.00	--	--	--	--	--	--	1	--	[25]
						R7-1R	18X24	3.00	--	--	--	--	--	--	--	--	ROTATE ON POST 45 DEGREES TO TRAFFIC
212	400+37	LT	400+38	LT	FOURTH STREET	R1-1	30X30	5.18	--	--	--	1	1	--	1	--	--
213	83+63	LT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
214	--	--	83+70	RT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	1	--	--	--
215	--	--	83+78	LT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	1	--	--	--
216	83+63	LT	84+40	LT	RACINE STREET	--	--	--	--	--	1	--	--	--	--	--	CANADIAN NATIONAL RR PHONE NUMBER MOUNT BELOW SIGN #217
217	83+94	LT	84+40	LT	RACINE STREET	W10-1	36X36	--	--	7.07	--	--	--	--	1	--	--
						W10-9P	24X18	--	--	3.00	--	--	--	--	--	--	--
218	84+20	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
CATEGORY CODE 0010 SHEET SUBTOTALS								40.74	--	20.14	3	10	3	3	7	1	

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

SIGNING ITEMS

SIGN NUMBER	EXISTING STATION	EXISTING LOCATION	PROPOSED STATION	PROPOSED LOCATION	ROADWAY	SIGN CODE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.08 POSTS TUBULAR STEEL 2 3/8-INCH X 10-FT EACH	SPV.0060.09 POSTS TUBULAR STEEL 2 3/8-INCH X 12-FT EACH	SPV.0060.10 POSTS TUBULAR STEEL 2 3/8-INCH X 14-FT EACH	COMMENTS
CATEGORY CODE 0010																	
301	86+03	RT	86+00	RT	RACINE STREET	S1-1	36X36	--	--	6.75	--	--	--	--	1	--	--
						S16-9P	30X18	--	--	3.75	--	--	--	--	--	--	--
						R2-6P	24X18	3.00	--	--	--	--	--	--	--	--	5' MOUNTING HEIGHT
302	86+03	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
303	--	--	86+39	LT	RACINE STREET	R7-1R	18X24	3.00	--	--	--	--	--	1	--	--	--
304	--	--	86+47	RT	RACINE STREET	R7-1R	18X24	3.00	--	--	--	--	--	1	--	--	--
305	500+36	LT	500+36	LT	FIFTH STREET	R1-1	30X30	5.18	--	--	--	1	1	--	1	--	--
306	--	--	87+10	RT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	1	--	--	--
307	--	--	87+18	LT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	1	--	--	--
308	87+18	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
309	--	--	87+70	RT	RACINE STREET	S4-51	24X48	--	--	8.00	--	1	1	--	1	--	[15]
310	--	--	87+90	LT	RACINE STREET	R2-1	24X30	5.00	--	--	--	--	--	--	1	--	[25]
						S5-2	24X30	5.00	--	--	--	--	--	--	--	--	5' MOUNTING HEIGHT
311	--	--	88+96	LT	RACINE STREET	R7-51R	18X24	3.00	--	--	--	--	--	1	--	--	--
312	89+89	LT	89+31	RT	RACINE STREET	--	--	--	--	--	1	--	--	--	1	--	--
313	--	--	89+31	RT	RACINE STREET	R7-1R	18X24	3.00	--	--	--	--	--	--	--	--	MOUNT BELOW SIGN #312 ROTATE 45 DEGREES TO TRAFFIC
314	89+35	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
315	599+53	RT	599+55	RT	SIXTH STREET WEST	R1-1	30X30	5.18	--	--	--	1	1	--	1	--	--
316	600+39	LT	600+35	LT	SIXTH STREET EAST	R1-1	30X30	5.18	--	--	--	1	1	--	1	--	--
317	89+89	LT	89+93	LT	RACINE STREET												SOLAR POWERED PEDESTRIAN CROSSING
318	89+91	RT	89+93	RT	RACINE STREET												SOLAR POWERED PEDESTRIAN CROSSING
319	--	--	90+01	RT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	1	--	--	--
320	89+89	LT	90+08	RT	RACINE STREET	--	--	--	--	--	1	--	--	--	1	--	--
CATEGORY CODE 0010 SHEET SUBTOTALS								49.54	--	18.50	2	7	5	6	8	--	

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

SIGNING ITEMS

SIGN NUMBER	EXISTING STATION	EXISTING LOCATION	PROPOSED STATION	PROPOSED LOCATION	ROADWAY	SIGN CODE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.08 POSTS TUBULAR STEEL 2 3/8-INCH X 10-FT EACH	SPV.0060.09 POSTS TUBULAR STEEL 2 3/8-INCH X 12-FT EACH	SPV.0060.10 POSTS TUBULAR STEEL 2 3/8-INCH X 14-FT EACH	COMMENTS
CATEGORY CODE 0010																	
321	--	--	90+08	RT	RACINE STREET	R7-1R	18X24	3.00	--	--	--	--	--	--	--	--	MOUNT BELOW SIGN #320 ROTATE 45 DEGREES TO TRAFFIC
322	94+58	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
401	91+85	LT	91+83	LT	RACINE STREET	S4-51	24X48	--	--	8.00	--	1	1	--	1	--	[15]
402	92+85	LT	92+68	LT	RACINE STREET	R14-1	24X18	3.00	--	--	--	1	--	1	--	--	--
403	93+14	RT			RACINE STREET												
404	--	--	93+43	LT	RACINE STREEET	S1-1	36X36	--	--	6.75	--	--	--	--	1	--	--
						S16-9P	30X18	--	--	3.75	--	--	--	--	--	--	--
						R2-6P	24X18	3.00	--	--	--	--	--	--	--	--	5' MOUNTING HEIGHT
405	--	--	93+50	RT	RACINE STREEET	R7-1D	18X24	3.00	--	--	--	--	--	1	--	--	--
406	93+87	LT	--	--	RACINE STREEET	--	--	--	--	--	--	1	1	--	--	--	--
407	--	--	94+13	RT	RACINE STREEET	S1-1	36X36	--	--	6.75	--	--	--	--	1	--	--
						S16-9P	30X18	--	--	3.75	--	--	--	--	--	--	--
						R2-6P	24X18	3.00	--	--	--	--	--	--	--	--	5' MOUNTING HEIGHT
408	--	--	95+50	LT	RACINE STREET	R7-51R	18X24	3.00	--	--	--	--	--	1	--	--	--
409	95+42	RT	95+63	RT	RACINE STREET	S4-51	24X48	--	--	8.00	--	1	1	--	1	--	--
410	96+13	RT	93+11	RT	RACINE STREET	R3-8LF	36X30	7.50	--	--	--	1	1	--	1	--	--
411	96+61	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
501	97+08	LT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
502	--	--	97+62	RT	RACINE STREET	R7-1R	18X24	3.00	--	--	--	--	--	1	--	--	--
503	699+35	RT	699+55	RT	SEVENTH STREET WEST	R1-1F	30X30	--	5.18	--	--	1	--	--	--	--	MOUNT TO TRAFFIC SIGNAL
504	699+35	RT	699+35	RT	SEVENTH STREET WEST	R3-8LF	36X30	7.50	--	--	--	--	--	1	--	--	--
505	699+36	RT	698+92	RT	SEVENTH STREET WEST	--	--	--	--	--	1	--	--	1	--	--	CITY BUS STOP SIGN
506	700+46	LT	700+44	LT	SEVENTH STREET EAST	R10-6	24X36	6.00	--	--	--	1	--	--	--	--	MOUNT TO TRAFFIC SIGNAL
						R1-1F	30X30	--	5.18	--	--	--	--	--	--	--	--
507	699+29	LT	699+25	LT	SEVENTH STREET WEST	S4-51	24X48	--	--	8.00	--	1	--	--	1	--	[15]
					CATEGORY CODE 0010 SHEET SUBTOTALS			42.00	10.36	45.00	1	11	6	6	6	--	

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

SIGNING ITEMS

SIGN NUMBER	EXISTING STATION	EXISTING LOCATION	PROPOSED STATION	PROPOSED LOCATION	ROADWAY	SIGN CODE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.08 POSTS TUBULAR STEEL 2 3/8-INCH X 10-FT EACH	SPV.0060.09 POSTS TUBULAR STEEL 2 3/8-INCH X 12-FT EACH	SPV.0060.10 POSTS TUBULAR STEEL 2 3/8-INCH X 14-FT EACH	COMMENTS
CATEGORY CODE 0010																	
508	--	--	98+91	RT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	--	--	--	MOUNT TO TRAFFIC SIGNAL, ROTATE 45 DEGREES TO TRAFFIC
509	100+20	LT	--	--	RACING STREET	--	--	--	--	--	--	1	1	--	--	--	--
510	100+53	LT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
511	--	--	101+02	LT	RACINE STREET	R3-8LF	36X30	7.50	--	--	--	--	--	--	1	--	--
						R7-51L	18X24	3.00	--	--	--	--	--	--	--	--	--
512	--	--	101+50	RT	RACINE STREET	R2-1	24X30	5.00	--	--	--	--	--	--	1	--	--
512	101+55	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
513	--	--	102+70	RT	RACINE STREET	R7-1D	18X24	3.00	--	--	--	--	--	1	--	--	--
601	103+35	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
602	103+80	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--
603	105+73	RT	105+50	RT	RACINE STREET	--	--	--	--	--	1	--	2	--	2	--	CITY OF MENASHA DIRECTIONAL SIGN
						--	--	--	--	--	--	1	--	--	--	--	--
604	105+73	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
605	--	--	105+75	LT	RACINE STREET	R7-51R	18X24	3.00	--	--	--	--	--	1	--	--	--
606	105+77	LT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
607	106+22	LT	--	--	RACINE STREET	--	--	--	--	--	--	1	--	--	--	--	--
608	--	--	106+43	RT	RACINE STREET	R7-1R	18X24	3.00	--	--	--	--	--	1	--	--	--
609	799+63	RT	799+63	RT	EIGHTH STREET WEST	R1-1	30X30	5.18	--	--	--	1	1	--	1	--	--
610	800+39	LT	800+39	LT	EIGHTH STREET EAST	R1-1	30X30	5.18	--	--	--	1	1	--	1	--	--
611	--	--	107+37	RT	RACINE STREET	R7-1L	18X24	3.00	--	--	--	--	--	1	--	--	--
612	--	--	107+41	LT	RACINE STREET	R7-51L	18X24	3.00	--	--	--	--	--	1	--	--	--
613	--	--	108+50	RT	RACINE STREET	R2-1	24X30	5.00	--	--	--	--	--	--	1	--	[25]
						S5-2	24X30	5.00	--	--	--	--	--	--	--	--	5' MOUNTING HEIGHT
614	--	--	108+50	LT	RACINE STREEET	S4-51	24X48	--	--	8.00	--	--	--	--	1	--	[15]
					CATEGORY CODE 0010 SHEET SUBTOTALS			53.86	--	8.00	1	11	8	5	8	--	

CONTINUED ON NEXT SHEET

CONTINUED FROM PREVIOUS SHEET

SIGNING ITEMS

SIGN NUMBER	EXISTING STATION	EXISTING LOCATION	PROPOSED STATION	PROPOSED LOCATION	ROADWAY	SIGN CODE	SIZE	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.08 POSTS TUBULAR STEEL 2 3/8-INCH X 10-FT EACH	SPV.0060.09 POSTS TUBULAR STEEL 2 3/8-INCH X 12-FT EACH	SPV.0060.10 POSTS TUBULAR STEEL 2 3/8-INCH X 14-FT EACH	COMMENTS
CATEGORY CODE 0010																	
615	108+56	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
701	--	--	110+00	LT	RACINE STREET	S1-1	36X36	--	--	6.75	--	--	--	--	1	--	--
						S16-9P	30X18	--	--	3.75	--	--	--	--	--	--	--
						R2-6P	24X18	3.00	--	--	--	--	--	--	--	--	5' MOUNTING HEIGHT
702	110+57	RT	--	--	RACINE STREET	--	--	--	--	--	--	1	1	--	--	--	--
703	--	--	110+60	RT	RACINE STREET	R7-1D	18X24	3.00	--	--	--	--	--	1	--	--	--
704	111+59	LT	111+50	LT	RACINE STREET	--	--	--	--	--	1	--	--	--	2	--	CITY OF MENASHA DIRECTIONAL SIGN
705	112+82	LT	112+54	LT	RACINE STREET	R2-1	24X30	5.00	--	--	--	1	1	--	1	--	[25]
						R7-51R	18X24	3.00	--	--	--	--	--	--	--	--	ROTATE ON POST 45 DEGREES TO TRAFFIC
706	113+13	RT	112+55	RT	RACINE STREET	R3-8LAF	54X30	11.25	--	--	--	1	2	--	2	--	--
							CATEGORY CODE 0010 SHEET SUBTOTALS	25.25	--	10.50	1	4	5	1	6	--	
							CATEGORY CODE 0010 SUBTOTALS	211.39	10.36	102.14	8	43	27	21	35	1	
CATEGORY CODE 0020																	
101	303+78	LT	303+78	LT	THIRD STREET	R1-1F	30X30	--	5.18	--	--	1	--	--	--	--	MOUNT TO TRAFFIC SIGNAL
102	77+02	LT	76+99	LT	RACINE STREET	R1-1F	30X30	--	5.18	--	--	1	--	--	--	--	MOUNT TO TRAFFIC SIGNAL
103	304+09	LT	304+02	LT	THIRD STREET	R1-2	36X31	3.88	--	--	--	1	1	--	1	--	--
104	77+20	LT	77+23	LT	RACINE STREET	R1-2	36X31	3.88	--	--	--	1	1	--	1	--	--
							CATEGORY CODE 0020 SUBTOTALS	7.76	10.36	--	--	4	2	--	2	--	
							TOTALS	**219.15**	**20.72**	**102.14**	**8**	**47**	**29**	**21**	**37**	**1**	

TRAFFIC CONTROL ITEMS

	NUMBER OF DAYS IN SERVICE	643.0300 TRAFFIC CONTROL DRUMS		643.0410 TRAFFIC CONTROL BARRICADES TYPE II		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C		643.0800 TRAFFIC CONTROL ARROW BOARDS		643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II			643.1050 TRAFFIC CONTROL SIGNS PCMS		
		NO. REQ'D	TOTAL DAY	*NO. REQ'D*	TOTAL DAY	*NO. REQ'D*	TOTAL DAY	EACH	EACH	*NO. REQ'D*	TOTAL DAY	*NO. REQ'D*	TOTAL DAY	*NO. REQ'D*	TOTAL DAY	*NO. REQ'D*	TOTAL DAY	*NO. CYCLES*	*NO. SIGNS*	TOTAL EACH	*NO. REQ'D*	*NO. DAYS*	TOTAL DAY
CATEGORY CODE 0010																							
TRAFFIC CONTROL	215	--	--	--	--	*20*	4,300	--	--	*40*	8,600	--	--	--	--	*23*	4,945	--	--	--	*2*	*7*	14
DETOUR	215	--	--	--	--	*5*	1,075	--	--	--	--	--	--	--	--	*60*	12,900	*1*	*4*	4	--	--	--
THIRD STREET TRAFFIC CONTROL - TURN LANE CLOSURES	215	*51*	10,965	--	--	*3*	645	--	--	*6*	1,290	*12*	2,580	*2*	430	*12*	2,580	*1*	*3*	3	--	--	--
PEDESTRIAN DETOUR	185	--	--	*18*	3,330	--	--	--	--	*18*	3,330	--	--	--	--	*35*	6,475	--	--	--	--	--	--
PEDESTRIAN ACCOMMODATIONS	185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	*38*	7,030	--	--	--	--	--	--
CATEGORY CODE 0010 SUBTOTALS			10,965		3,330		6,020	--	--		13,220		2,580		430		33,930			7			14
CATEGORY CODE 0020																							
THIRD STREET TRAFFIC CONTROL - LANE SHIFT	14	*5*	70	--	--	*1*	14	12	12	*2*	28	--	--	--	--	*1*	14	--	--	--	--	--	--
CATEGORY CODE 0020 SUBTOTALS			70		--		14	12	12		28		--		--		14			--			--
TOTALS			**11,035**		**3,330**		**6,034**	**12**	**12**		**13,248**		**2,580**		**430**		**33,944**			**7**			**14**

TEMPORARY PEDESTRIAN ACCOMMODATION ITEMS

LOCATION	643.3350 TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH LF	644.1410* TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
CATEGORY CODE 0010				
SIXTH STREET	350	550	740	474
SEVENTH STREET	630	1,020	740	972
EIGHTH STREET	420	710	740	558
UNDISTRIBUTED FOR SS INSTALLATION	--	1,350	--	--
CATEGORY CODE 0010 SUBTOTALS	1,400	3,630	2,220	2,004
CATEGORY CODE 0020				
RACINE ST / THIRD STREET	340	870	370	366
UNDISTRIBUTED FOR SS INSTALLATION	--	200	--	--
CATEGORY CODE 0020 SUBTOTALS	340	1,070	370	366
TOTALS	**1,740**	**4,700**	**2,590**	**2,370**

*MINIMUM THICKNESS SHALL BE 2-INCHES

GEOTEXTILE TYPE SAS

STATION	LOCATION	645.0140* SY
CATEGORY CODE 0010		
82+18 - 82+25	LT & RT	60
	TOTAL	**60**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLANS

PAVEMENT MARKING ITEMS

STATION - STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH YELLOW LF	646.3020 MARKING LINE EPOXY 8-INCH WHITE LF	646.5020 MARKING ARROW EPOXY WHITE EACH	646.5120 MARKING WORD EPOXY WHITE EACH	646.5220 MARKING SYMBOL EPOXY WHITE EACH	646.5320 MARKING RAILROAD CROSSING EPOXY WHITE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH WHITE EACH	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH WHITE LF	COMMENTS
CATEGORY CODE 0010													
77+74 - 81+95	LT & RT	408	987	113	5	--	2	1	--	--	20	--	77+74 - RAILROAD
82+19 - 94+00	LT & RT	3,088	2,242	--	14	--	14	1	56	--	360	162	RAILROAD - STAGE LIMITS
94+00 - 113+50	LT & RT	4,978	3,707	288	24	--	18	--	142	--	--	534	STAGE LIMITS - NORTH LIMITS
CATEGORY CODE 0010 SUBTOTALS		8,474	6,936	401	43	--	34	2	198	--	380	696	
CATEGORY CODE 0020													
77+22 - 77+74	LT & RT	--	--	144	3	--	--	--	21	19	134	--	THIRD STREET INTERSECTION
THIRD STREET	LT & RT	75	150	--	3	1	--	--	--	--	--	--	--
CATEGORY CODE 0020 SUBTOTALS		75	150	144	6	1	--	--	21	19	134	--	
		8,549	7,086										
	TOTALS	**15,635**		**545**	**49**	**1**	**34**	**2**	**219**	**19**	**514**	**696**	

REMOVING PAVEMENT MARKING ITEMS

LOCATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
CATEGORY CODE 0020		
THIRD STREET	225	4
TOTALS	**225**	**4**

CONSTRUCTION STAKING ITEMS

STATION - STATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500 CONSTRUCTION STAKING SIDEWALK EACH	650.9911 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
CATEGORY CODE 0010							
PROJECT 4992-00-60	--	--	--	--	1	1	--
77+74 - 81+96	416	26	390	2	--	--	416
82+18 - 94+00	1,182	27	1,155	10	--	--	1,182
94+00 - 113+50	1,950	--	1,950	8	--	--	1,950
400+00 - 400+55	55	17	38	2	--	--	55
500+00 - 500+55	55	18	37	2	--	--	55
599+45 - 600+00	55	13	42	2	--	--	55
600+00 - 600+55	55	18	37	2	--	--	55
699+07 - 700+00	93	--	93	1	--	--	93
700+00 - 700+95	95	51	44	2	--	--	95
799+35 - 800+00	65	23	42	2	--	--	65
800+00 - 800+55	55	13	42	2	--	--	55
CATEGORY CODE 0010 SUBTOTALS	4,076	206	3,870	35	1	1	4,076
CATEGORY CODE 0020							
76+79 - 77+74	95	--	95	8	--	--	95
CATEGORY CODE 0020 SUBTOTALS	95	--	95	8	--	--	95
TOTALS	**4,171**	**206**	**3,965**	**43**	**1**	**1**	**4,171**

STAKING ITEMS FOR STORM SEWER,CURB, GUTTER, CURB & GUTTER, PIPE CULVERTS, AND BARRIER SHOWN ELSEWHERE

SAWING PAVEMENT ITEMS

STATION - STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	COMMENTS
CATEGORY CODE 0010				
76+79	RT	--	10	RACINE STREET
77+74 - 81+96	LT & RT	203	25	DRIVEWAYS & SIDEWALKS
82+18 - 83+34	LT & RT	75	--	DRIVEWAYS & SIDEWALKS
83+34 - 86+78	LT & RT	85	82	DRIVEWAYS & SIDEWALKS
86+78 - 89+61	LT & RT	30	45	DRIVEWAYS & SIDEWALKS
89+61 - 94+00	LT & RT	42	99	DRIVEWAYS & SIDEWALKS
94+00 - 98+28	LT & RT	53	90	DRIVEWAYS & SIDEWALKS
98+28 - 106+89	LT & RT	21	128	DRIVEWAYS & SIDEWALKS
106+89 - 113+50	LT & RT	45	180	DRIVEWAYS & SIDEWALKS
113+50	LT & RT	--	57	RACINE STREET LIMITS
400+55	LT & RT	36	9	FOURTH STREET LIMITS
500+55	LT & RT	20	14	FIFTH STREET LIMITS
599+45	LT & RT	36	26	SIXTH STREET LIMITS
600+55	LT & RT	25	15	SIXTH STREET LIMITS
699+08 - 699+23	LT & RT	--	77	SEVENTH STREET LIMITS
700+75 - 700+95	LT & RT	34	15	SEVENTH STREET LIMITS
799+35	LT & RT	48	15	EIGHTH STREET LIMITS
800+55	LT & RT	37	15	EIGHTH STREET LIMITS
CATEGORY CODE 0010 SUBTOTALS		790	902	
CATEGORY CODE 0020				
76+79 - 77+08	LT & RT	--	198	RACINE STREET LIMITS
CATEGORY CODE 0020 SUBTOTALS		--	198	
	TOTALS	**790**	**1,100**	

STREET SWEEPING

LOCATION	SPV.0075.01 HRS
CATEGORY CODE 0010	
PROJECT 4992-00-60	61
TOTAL	**61**

REMOVE AND REPLACE PAVERS

STATION - STATION	LOCATION	SPV.0165.01 SF
CATEGORY CODE 0010		
83+12	RT	61
	TOTAL	**61**

ADJUSTING WATER MAIN ITEMS

STATION	LOCATION	SPV.0060.05 ADJUSTING WATER VALVE BOX EACH	SPV.0060.06 ADJUSTING WATER CURB BOX EACH	SPV.0060.07 ADJUSTING WATER MANHOLE EACH
CATEGORY CODE 0020				
77+02	10'LT	1	--	--
78+84	0'LT	1	--	--
79+28	25'LT	1	--	--
79+32	34'RT	--	1	--
80+74	34'LT	--	1	--
81+19	6'LT	1	--	--
82+56	9'LT	1	--	--
82+60	9'LT	1	--	--
83+68	34'LT	--	1	--
84+16	34'RT	--	1	--
84+28	34'LT	--	1	--
84+67	34'RT	--	1	--
84+91	34'LT	--	1	--
85+10	34'RT	--	1	--
85+41	34'LT	--	1	--
85+61	34'RT	--	1	--
85+76	34'LT	--	1	--
86+40	34'RT	--	1	--
86+51	34'LT	--	1	--
86+63	20'RT	1	--	--
86+86	34'LT	--	1	--
87+24	34'RT	1	--	--
87+60	34'RT	1	--	--
87+66	34'LT	--	1	--
88+28	34'RT	--	1	--
88+41	34'LT	--	1	--
89+16	34'RT	--	1	--
89+46	15'RT	1	--	--
89+82	15'RT	1	--	--
90+29	34'RT	--	1	--
90+75	34'RT	--	1	--
91+49	34'RT	--	1	--
91+89	34'RT	--	1	--
92+57	34'RT	--	1	--
93+02	34'RT	--	1	--
93+45	18'RT	1	--	--
93+50	15'RT	1	--	--
93+63	34'RT	--	1	--
94+12	34'RT	--	1	--
94+47	34'LT	--	1	--
94+69	34'RT	--	1	--
95+05	34'RT	--	1	--
95+14	34'LT	--	1	--
95+56	34'RT	--	1	--
95+69	34'LT	--	1	--
96+19	34'RT	--	1	--
96+21	34'LT	--	1	--
96+58	34'RT	--	1	--
97+30	34'RT	--	1	--
98+08	14'RT	1	--	--

ADJUSTING WATER MAIN ITEMS

STATION	LOCATION	SPV.0060.05 ADJUSTING WATER VALVE BOX EACH	SPV.0060.06 ADJUSTING WATER CURB BOX EACH	SPV.0060.07 ADJUSTING WATER MANHOLE EACH
CATEGORY CODE 0020				
98+68	14'RT	1	--	--
100+03	34'RT	--	1	--
100+92	34'RT	--	1	--
101+25	34'RT	--	1	--
101+53	8'RT	1	--	--
101+56	13'RT	1	--	--
101+61	25'RT	1	--	--
102+26	34'RT	--	1	--
102+87	34'RT	--	1	--
103+17	34'RT	--	1	--
103+65	34'RT	--	1	--
104+38	34'RT	--	1	--
105+03	34'RT	--	1	--
105+51	34'RT	--	1	--
105+82	34'RT	--	1	--
106+28	34'RT	--	1	--
106+36	34'LT	--	1	--
106+47	14'RT	1	--	--
107+12	14'RT	1	--	--
107+58	34'RT	--	1	--
107+89	34'LT	--	1	--
108+43	34'RT	--	1	--
108+83	34'RT	--	1	--
109+02	34'LT	--	1	--
109+52	34'LT	--	1	--
109+53	34'RT	--	1	--
110+02	34'RT	--	1	--
110+65	34'RT	--	1	--
110+68	34'LT	--	1	--
111+11	34'LT	--	1	--
111+16	34'RT	--	1	--
111+61	34'RT	--	1	--
111+68	34'LT	--	1	--
112+23	34'LT	--	1	--
112+40	17'RT	1	--	--
112+46	24'RT	1	--	--
112+63	25'RT	--	1	--
112+66	33'LT	--	1	--
113+03	33'LT	--	1	--
400+26	9'LT	1	--	--
500+21	10'LT	1	--	--
599+48	9'LT	1	--	--
699+38	4'LT	1	--	--
699+62	28'LT	1	--	--
700+67	12'LT	1	--	--
700+89	13'LT	1	--	--
799+64	20'LT	--	--	1
800+52	15'LT	1	--	--
	TOTALS	**30**	**67**	**1**

ADJUSTING SANITARY MANHOLES

STATION	LOCATION	EXISTING ELEVATION	FINISHED ELEVATION	SPV.0060.04 EACH	COMMENTS
CATEGORY CODE 0020					
78+80	RT	760.86	760.72	1	0.14' ADJUSTMENT DOWN
82+79	RT	761.01	761.70	1	0.69' ADJUSTMENT UP
86+80	RT	760.03	759.88	1	0.15' ADJUSTMENT DOWN
89+61	RT	760.19	760.21	1	0.02' ADJUSTMENT UP
92+63	RT	760.71	760.48	1	0.23' ADJUSTMENT DOWN
95+35	LT	760.76	760.53	1	0.23' ADJUSTMENT DOWN
98+21	RT	760.88	760.69	1	0.19' ADJUSTMENT DOWN
101+12	RT	761.04	760.70	1	0.34' ADJUSTMENT DOWN
103+94	RT	761.70	761.28	1	0.42' ADJUSTMENT DOWN
106+93	RT	762.15	761.87	1	0.28' ADJUSTMENT DOWN
109+89	RT	762.08	761.84	1	0.24' ADJUSTMENT DOWN
112+73	RT	760.84	760.81	1	0.03' ADJUSTMENT DOWN
400+45	RT	760.33	760.28	1	0.05' ADJUSTMENT DOWN
699+63	RT	760.90	760.47	1	0.43' ADJUSTMENT DOWN
700+46	RT	760.73	760.64	1	0.09' ADJUSTMENT DOWN
			TOTAL	**15**	

TRAFFIC SIGNAL REMOVALS

LOCATION / ITEM NUMBER	204.0195 REMOVING CONCRETE BASES EACH	653.0905 REMOVING PULL BOXES EACH
CATEGORY 0010		
RACINE STREET & 7TH STREET		
PB1	--	1
PB2	--	1
PB3	--	1
PB4	--	1
CB1	1	--
SB1	1	--
SB2	1	--
SB3	1	--
SB4	1	--
SB5	1	--
SB6	1	--
SB7	1	--
SB8	1	--
LB1	1	--
LB2	1	--
CATEGORY 0010 TOTAL	**11**	**4**

TRAFFIC SIGNAL PULL BOXES

LOCATION / PULL BOX NUMBER	STATION	OFFSET	L/R	653.0135 PULL BOXES STEEL 24X36-INCH EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
CATEGORY 0010					
RACINE STREET & 7TH STREET					
PB1	98+81.4	28.0	LT	--	1
PB2	99+01.0	28.0	LT	1	--
PB3	100+56.7	24.0	LT	1	--
PB4	98+81.4	26.7	RT	--	1
PB5	98+46.2	47.2	RT	--	1
PB6	98+45.9	65.9	RT	1	--
PB7	98+02.5	47.4	RT	--	1
PB8	97+68.4	26.3	RT	--	1
PB9	97+56.9	26.3	RT	1	--
PB10	96+06.3	25.8	RT	1	--
PB11	97+69.8	26.7	LT	--	1
PB12	97+95.2	53.5	LT	--	1
PB13	97+95.7	61.4	LT	1	--
PB14	98+51.8	53.6	LT	--	1
CATEGORY 0010 TOTAL				**6**	**8**

TRAFFIC SIGNAL CONDUIT

LOCATION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CATEGORY 0010					
RACINE STREET & 6TH STREET					
	RRFB1	-	RRFB2	55	--
RACINE STREET & 7TH STREET					
	CB1	-	PB1	--	96
	PB1	-	PB2	21	--
	PB2	-	PB3	156	--
	PB1	-	SB1	6	--
	PB1	-	PB4	--	110
	PB4	-	SB2	6	--
	PB4	-	SB3	10	--
	PB4	-	PB5	--	98
	PB5	-	SB4	5	--
	PB5	-	PB6	19	--
	PB5	-	PB7	--	88
	PB7	-	SB5	5	--
	PB7	-	SB6	14	--
	PB7	-	PB8	--	100
	PB8	-	SB7	14	--
	PB8	-	PB9	12	--
	PB9	-	PB10	151	--
	PB8		PB11	--	106
	PB11		SB8	11	--
	PB11		SB9	11	--
	PB11		PB12	--	78
	PB12		SB10	15	--
	PB12		PB13	9	--
	PB12		PB14	--	114
	PB14		SB11	6	--
	PB14		SB12	22	--
	PB14		CB1	--	36
CATEGORY 0010 TOTAL				**548**	**826**

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TRAFFIC SIGNAL LOOP DETECTORS

LOCATION / LOOP NO.	STATION **	OFFSET	L/R	SIZE FT	X	FT	NO. OF TURNS	INSTALLATION METHOD	652.0800 CONDUIT LOOP DETECTOR LF	655.0800 LOOP DETECTOR WIRE LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF
CATEGORY 0010											
RACINE STREET & 7TH STREET											
21	95+97.7	9.3	RT	6	X	6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	58	240	330
41	98+22.3	65.6	LT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	314	85
42	98+08.6	65.4	LT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	230	85
43	98+22.5	37.5	LT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	314	85
44	98+08.6	37.5	LT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	230	85
61	100+60.0	4.0	LT	6	X	6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	60	308	216
81	98+26.7	72.3	RT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	88	272	161
82	98+36.43	72.2	RT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	224	161
83	98+26.6	44.3	RT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	266	161
84	98+36.3	44.2	RT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	68	212	161
FUTURE (NB)	97+52.7	0.3	RT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	308	178
FUTURE (NB)	97+80.7	0.3	RT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	308	178
FUTURE (SB)	99+05.0	0.3	LT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	320	60
FUTURE (SB)	98+77.0	0.3	LT	6	X	20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	320	60
CATEGORY 0010 TOTAL									**1192**	**3866**	**2006**

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TRAFFIC SIGNAL STRUCTURES

LOCATION / BASE NUMBER	STATION	OFFSET	L/R	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0595 TROMBONE ARMS 25-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH
CATEGORY 0010														
RACINE STREET & 6TH STREET														
RRFB1	89+93.1	26.7	LT	1	--	1	--	--	--	1	--	--	--	--
RRFB2	89+92.9	26.7	RT	1	--	--	--	--	--	--	--	--	--	--
INTERSECTION TOTAL				**2**	**0**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**
RACINE STREET & 7TH STREET														
SB1	98+76.3	29.5	LT	1	--	1	--	--	--	--	1	--	--	--
SB2	98+76.3	27.0	RT	1	--	1	--	--	--	1	--	--	--	--
SB3	98+90.8	26.7	RT	--	1	--	1	1	--	--	--	1	1	1
SB4	98+48.4	43.5	RT	1	--	1	--	--	--	--	1	--	--	--
SB5	98+00.1	43.8	RT	1	--	1	--	--	--	1	--	--	--	--
SB6	98+02.4	61.0	RT	--	1	--	1	1	--	--	--	1	1	1
SB7	97+81.7	26.5	RT	1	--	1	--	--	--	--	1	--	--	--
SB8	97+59.5	26.7	LT	--	1	--	1	1	--	--	--	1	1	1
SB9	97+75.1	36.2	LT	1	--	1	--	--	1	--	--	--	--	--
SB10	97+84.7	44.4	LT	1	--	1	--	--	--	--	1	--	--	--
SB11	98+50.1	58.3	LT	--	1	--	1	1	--	--	--	1	1	1
SB12	98+64.3	36.4	LT	1	--	1	--	--	1	--	--	--	--	--
INTERSECTION TOTAL				**8**	**4**	**8**	**4**	**4**	**2**	**2**	**4**	**4**	**4**	**4**
CATEGORY 0010 TOTAL				**10**	**4**	**9**	**4**	**4**	**2**	**3**	**4**	**4**	**4**	**4**

RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM

LOCATION	SPV.0060.14 SALVAGE & REINSTALL RRFB SYSTEM (RACINE STREET & 6TH STREET) EACH
CATEGORY 0010	
RACINE STREET & 6TH STREET	1
CATEGORY 0010 TOTAL	**1**

AUDIBLE PEDESTRIAN SYSTEM

LOCATION	SPV.0060.12 FURNISH & INSTALL APS SYSTEM (RACINE STREET & 7TH STREET) EACH
CATEGORY 0010	
RACINE STREET & 7TH STREET	1
CATEGORY 0010 TOTAL	**1**

TRAFFIC SIGNAL HEADS

LOCATION	SIGNAL BASE NO.	HEAD NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
CATEGORY 0010				
RACINE STREET & 7TH STREET				
	SB1	2	1	--
		5	1	--
		8B	--	1
	SB2	4	1	--
		8A	--	1
	SB3	3	1	--
	SB4	9	1	--
		14	1	--
		2B	--	1
	SB5	16	1	--
		2A	--	1
	SB6	15	1	--
	SB7	1	1	--
		6	1	--
		4B	--	1
	SB8	7	1	--
		8	1	--
	SB9	4A	--	1
	SB10	10	1	--
		13	1	--
		6B	--	1
	SB11	11	1	--
		12	1	--
	SB12	6A	--	1
CATEGORY 0010 TOTAL			**16**	**8**
CATEGORY 0010 TOTAL			**16**	**8**

CONSTRUCTION STAKING

LOCATION	650.8501 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (4992-00-60) EACH
CATEGORY 0010	
RACINE STREET	1
CATEGORY 0010 TOTAL	**1**

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5070.01 SIGNAL MOUNTING HARDWARE (RACINE STREET & 7TH STREET) EACH
CATEGORY 0010	
RACINE STREET & 7TH STREET	1
CATEGORY 0010 TOTAL	**1**

SALVAGE TRAFFIC SIGNALS

LOCATION	SPV.0060.13 SALVAGE TRAFFIC SIGNALS (RACINE STREET & 7TH STREET) EACH
CATEGORY 0010	
RACINE STREET & 7TH STREET	1
CATEGORY 0010 TOTAL	**1**

TRAFFIC SIGNAL CONTROL

LOCATION	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	656.0201.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (RACINE STREET & 7TH STREET) EACH	SPV.0060.11 TRAFFIC SIGNAL CABINET AND CONTROLLER (RACINE STREET & 7TH STREET) EACH
CATEGORY 0010			
RACINE STREET & 7TH STREET	1	1	1
CATEGORY 0010 TOTAL	**1**	**1**	**1**

TRAFFIC SIGNAL CABLE AND WIRE - BELOW GROUND

LOCATION	FROM	-	TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF
CATEGORY 0010										
RACINE STREET & 7TH STREET										
	CB1	-	SB1	--	--	--	75	--	75	75
	CB1	-	SB2	--	145	--	--	--	--	145
	CB1	-	SB3	--	--	149	--	149	--	--
	CB1	-	SB4	--	--	--	208	--	--	208
	CB1	-	SB5	--	266	--	--	--	--	266
	CB1	-	SB6	--	--	275	--	--	--	--
	CB1	-	SB7	--	--	--	257	--	--	257
	CB1	-	SB8	--	--	185	--	--	--	--
	CB1	-	SB9	187	--	--	--	--	--	187
	CB1	-	SB10	--	--	--	135	--	--	135
	CB1	-	SB11	--	--	--	55	55	--	--
	CB1	-	SB12	72	--	--	--	--	72	72
	SB1		SB2	--	--	--	--	--	111	--
	SB2		SB3	--	--	--	--	--	46	--
	SB3		SB4	--	--	--	--	--	109	--
	SB4		SB5	--	--	--	--	--	99	--
	SB5		SB6	--	--	--	--	--	50	--
	SB6		SB7	--	--	--	--	--	124	--
	SB7		SB8	--	--	--	--	--	124	--
	SB8		SB9	--	--	--	--	--	53	--
	SB9		SB10	--	--	--	--	--	109	--
	SB10		SB11	--	--	--	--	--	122	--
	SB11		SB12	--	--	--	--	--	58	--
	SB3		SB6	--	--	--	--	177	--	--
	SB8		SB11	--	--	--	--	172	--	--
	CB1		PB1	--	--	--	--	--	55	--
	PB2		SB1	--	--	--	--	--	64	--
	PB3		SB1	--	--	--	--	--	235	--
	PB4		SB3	--	--	--	--	--	33	--
	PB5		SB4	--	--	--	--	--	28	--
	PB6		SB4	--	--	--	--	--	62	--
	PB7		SB5	--	--	--	--	--	28	--
	PB8		SB7	--	--	--	--	--	37	--
	PB9		SB7	--	--	--	--	--	64	--
	PB10		SB7	--	--	--	--	--	229	--
	PB11		SB8	--	--	--	--	--	34	--
	PB12		SB10	--	--	--	--	--	37	--
	PB13		SB10	--	--	--	--	--	60	--
	PB14		CB1	--	--	--	--	--	35	--
CATEGORY 0010 TOTAL				**259**	**411**	**609**	**730**	**553**	**2153**	**1345**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

TRAFFIC SIGNAL CABLE AND WIRE - ABOVE GROUND

LOCATION	FROM SIGNAL BASE	-	TO SIGNAL HEAD	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0700* LOOP DETECTOR LEAD IN CABLE LF
CATEGORY 0010						
RACINE STREET & 7TH STREET						
	SB1	-	2	28	--	--
		-	5	24	--	--
		-	8B	20	--	--
		-	BUTTON	--	--	11
	SB2	-	4	24	--	--
		-	8A	20	--	--
		-	BUTTON	--	--	11
	SB3	-	3	55	--	--
		-	LUMINAIRE	--	122	--
	SB4	-	9	24	--	--
		-	14	28	--	--
		-	2B	20	--	--
		-	BUTTON	--	--	11
	SB5	-	16	24	--	--
		-	2A	20	--	--
		-	BUTTON	--	--	11
	SB6	-	15	55	--	--
		-	LUMINAIRE	--	122	--
	SB7	-	1	24	--	--
		-	6	28	--	--
		-	4B	20	--	--
		-	BUTTON	--	--	11
	SB8	-	7	55	--	--
		-	8	24	--	--
		-	LUMINAIRE	--	122	--
	SB9	-	4A	20	--	--
		-	BUTTON	--	--	11
	SB10	-	10	28	--	--
		-	13	24	--	--
		-	6B	20	--	--
		-	BUTTON	--	--	11
	SB11	-	11	55	--	--
		-	12	24	--	--
		-	LUMINAIRE	--	122	--
	SB12	-	6A	20	--	--
		-	BUTTON	--	--	11
CATEGORY 0010 TOTAL				**684**	**488**	**88**

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE.

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
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
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED)
OFF-PREMISE 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	

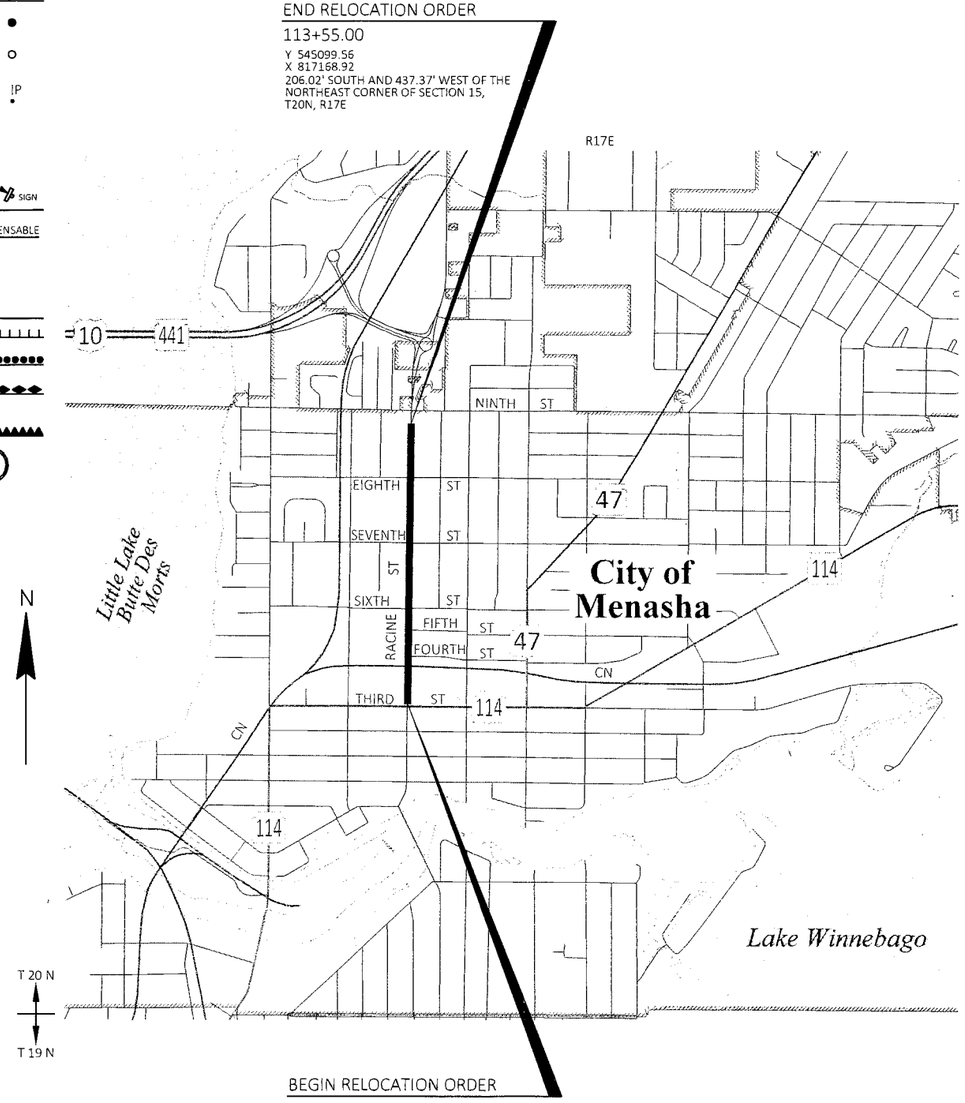
CONVENTIONAL ABBREVIATIONS

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

END RELOCATION ORDER
113+55.00
Y 545099.56
X 817168.92
206.02' SOUTH AND 437.37' WEST OF THE NORTHEAST CORNER OF SECTION 15, T20N, R17E



BEGIN RELOCATION ORDER
77+05.01
Y 541449.86
X 817125.01
1241.05' SOUTH AND 456.92' WEST OF THE EAST QUARTER CORNER OF SECTION 15, T20N, R17E

LAYOUT
SCALE 0 2000 FT.

TOTAL NET LENGTH OF CENTERLINE = 0.691 MI.

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
4992-00-59		
FEDERAL PROJECT NUMBER	4.01	14

PLAT OF RIGHT OF WAY REQUIRED FOR

C MENASHA, RACINE STREET
THIRD STREET TO NINTH STREET

LOCAL STR	WINNEBAGO COUNTY

CONSTRUCTION PROJECT NUMBER
4992-00-60

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WINNEBAGO COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES 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.

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.

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.

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, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN GREEN BAY.

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 PAGES.

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

ACCEPTED FOR
CITY OF MENASHA
Date 10/17/23 Laura Jungwirth
LAURA JUNGWIRTH
PUBLIC WORKS DIRECTOR

ORIGINAL PLAT PREPARED BY

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
85 South Pioneer Road, Suite 300 • Fond du Lac, WI 54935
(920) 924-5720 • fax (920) 924-5725

8/21/23 JAY W. PANETTI, PLS
DATE

WISCONSIN
JAY W. PANETTI
S-2747
WAUPUN, WI
LAND SURVEYOR

REVISION DATE
11/9/2023 N.C.
2/29/2024 N.C.
4/16/2024 N.C.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT

DATE: _____ _____ (Signature)

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\RW\DWG\040101-RP.DWG
PLOT DATE : 8/21/2023 2:30 PM
PLOT BY : JAY PANETTI
PLOT NAME :

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	P.L.E. S.F. PERM.	T.L.E. S.F. TEMP.	TAX KEY NUMBER
1	4.06	ETD DEVELOPMENT, LLC	TLE	0	0	0	0	2093	710026800
2	4.06	WALTRUST PROPERTIES, INC.	TLE	0	0	0	0	1423	710027502
3	4.06	JACQUES HOLDINGS, LLC (UNDIVIDED 1/2 INTEREST) 111 MALL DRIVE, LLC (UNDIVIDED 1/2 INTEREST)	TLE	0	0	0	0	2400	710038001
4	4.06	NORTHWOODS BD REAL ESTATE, LLC	TLE	0	0	0	0	1170	710027501
6	4.06	BBSSP INVESTMENTS, LLC	TLE	0	0	0	0	1219	710027600
7	4.06	CITY OF MENASHA	TLE	0	0	0	0	300	710038000
9	4.06	435 SIXTH STREET, LLC	PLE, TLE	0	0	0	100	1236	710039200
11	4.07	RYAN M. SANTKUYL AND JESSICA SANTKUYL	TLE	0	0	0	0	517	710028400
12	4.07	TRADER INVESTMENTS LLC	TLE	0	0	0	0	679	710031900
13	4.07	CARL KRONBERG AND MICHELLE KRONBERG	TLE	0	0	0	0	517	710028500
14	4.07	AZSHA M. WESTPHAL	TLE	0	0	0	0	488	710031800
16	4.07	DAVID G. HILDEBRAND	TLE	0	0	0	0	493	710028600
17	4.07	LIMELIGHT INVESTMENTS LLC	TLE	0	0	0	0	612	710031700
18	4.07	JERRY L. SCHIERLAND AND EMILY J. STOBBE	TLE	0	0	0	0	493	710028700
19	4.07	ROBERT L. BUTTON	TLE	0	0	0	0	549	710031600
21	4.07	W6 HOLDINGS LLC	TLE	0	0	0	0	493	710028800
22	4.07	EDWARD A. LANTVIT AND DIANE L. LANTVIT REVOCABLE LIVING TRUST	FEE, TLE	10	0	10	0	503	710031500
23	4.07	TINA C. BARTH	TLE	0	0	0	0	500	710028900
24	4.07	GENARO S. CARDAROPOLI	TLE	0	0	0	0	570	710029000
26	4.07	A. B. HOME RENTALS LLC	FEE, TLE	66	0	66	0	605	710030400
27	4.07	COLLIN SHEA AND JAMES SHEA	TLE	0	0	0	0	766	710029100
28	4.07	UGLY DUCKLING PROPERTIES LLC	TLE	0	0	0	0	503	710030300
29	4.07	MAGGIE E. CURTIS AND MOLLY A. CURTIS	TLE	0	0	0	0	733	710029200
31	4.07	ANDREW JOHN KUEHNI	TLE	0	0	0	0	1002	710030200
32	4.07	JOSEPH F. FRANZOI IV AND PATRICIA S. FRANZOI	TLE	0	0	0	0	882	710029300
33	4.07	CHRISTOPHER R. GREEN AND DANIELLE A. GREEN	FEE, TLE	81	0	81	0	594	710030000
34	4.08	BOYS AND GIRLS CLUB FOX VALLEY, INC.	FEE, TLE	100	0	100	0	5277	710050500
36	4.08	KENNETH R. THOMPSON AND ROSE ANN THOMPSON	FEE, TLE	51	0	51	0	740	710048000
37	4.08	JOSH JAMES GREIL	TLE	0	0	0	0	763	710048100
38	4.08	ALICIA L. CAMERON AND CASEY J. CAMERON	TLE	0	0	0	0	637	710048200
39	4.08	HEATHER E. CLOHESSY	TLE	0	0	0	0	604	710048300

4

SHEET 2 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE 11/9/2023 2/29/2024 4/16/2024

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.02

PS&E SHEET 138 E

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	T.L.E. S.F. TEMP.	TAX KEY NUMBER
41	4.08	NEXT LEVEL PROPERTIES, LLC	TLE	0	0	0	639	710048400
42	4.08	SHERRY L. WHITE	TLE	0	0	0	529	710048500
43	4.08	THOMAS R. REGAZZI AND CONNIE M. REGAZZI	TLE	0	0	0	574	710048600
44	4.08	PACKERLAND HOME BUYERS LLC	TLE	0	0	0	600	710049000
46	4.08	CASSANDRA A. DE LOS SANTOS	TLE	0	0	0	504	710052200
47	4.08	JOSHUA THULIEN	TLE	0	0	0	451	710048900
48	4.08	PETER J. KEMPS AND SUSAN P. KEMPS	TLE	0	0	0	504	710052500
49	4.08	HRI GROUP LLC	TLE	0	0	0	454	710049400
51	4.08	SUSAN M. DERFUS	TLE	0	0	0	504	710052600
52	4.08	VICKY L. BARNETT	TLE	0	0	0	501	710049300
53	4.08	ANDREA M. FENCL	TLE	0	0	0	504	710052800
54	4.08	CAROL J. QUIMBY	TLE	0	0	0	502	710049800
56	4.09	GIOVANI R. CASTILLO AND EMILEE G. PANKRATZ	TLE	0	0	0	502	710049700
57	4.09	ST. TIMOTHY ENGLISH EVANGELICAL LUTHERAN CHURCH OF MENASHA, WISCONSIN	TLE	0	0	0	1604	710053000
58	4.09	JUSTIN PAVEK	TLE	0	0	0	1004	710050400
59	4.09	SHARON M. KRUEGER	FEE, TLE	25	0	25	1348	710058100
61	4.09, 4.10	MENASHA JOINT SCHOOL DISTRICT	TLE	0	0	0	8370	710056800
62	4.09	ISRAEL MEDINA	TLE	0	0	0	800	710058400
	4.09		TLE	0	0	0	700	710058800
			TOTALS:	0	0	0	1500	
64	4.09	MARY A. BERTRAM	TLE	0	0	0	503	710058700
66	4.09	BRIAN K. MONDAY	TLE	0	0	0	1002	710059100
67	4.10	BRAISON L. BENNETT	TLE	0	0	0	503	710059500
68	4.09, 4.10	AMY KURTH	TLE	0	0	0	552	710059600
69	4.10	FABER JIMENEZ FLOREZ	TLE	0	0	0	550	710060000
71	4.10	JOAN C. PEKEL	TLE	0	0	0	450	710059900
72	4.10	GARY M. TROFKA AND JANE M. MALIN	TLE	0	0	0	553	710060400
73	4.10	COLIN C. DEEG	TLE	0	0	0	400	710060300
74	4.10	GABRIELSON PROPERTIES, LLC	TLE	0	0	0	533	710060900
76	4.10	JERROLD KENNETH LOTZER JR.	TLE	0	0	0	642	710060800
77	4.10	KRISTY L. METOXEN	TLE	0	0	0	1404	710064300
78	4.10	WILLIAM VOLKMAN	TLE	0	0	0	1068	710061200
79	4.10	AKEY PROPERTY MANAGEMENT LLC	TLE	0	0	0	492	710061600

4

4

SHEET 3 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024 N.C.	DATE 8/29/2023	SCALE, FEET 0	HWY: RACINE STREET	STATE R/W PROJECT NUMBER 4992-00-59	PLAT SHEET 4.03	
				GRID FACTOR		COUNTY: WINNEBAGO	CONSTRUCTION PROJECT NUMBER 4992-00-60	PS&E SHEET 139	E

FILE NAME : 040103-RP.DWG
LAYOUT NAME - RW 1 IN 100 FT

PLOT DATE : 4/16/2024 7:54 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:100 FT

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED. OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W S.F. REQUIRED NEW	EXISTING	TOTAL	T.L.E. S.F. TEMP.	TAX KEY NUMBER
81	4.10	DAVID W. ZBORAY AND ANTOINETTE V. ZBORAY	TLE	0	0	0	900	710064400
82	4.10	JULIO MEDRANO	TLE	0	0	0	601	710061500
83	4.11	JOHN M. RAETHER	TLE	0	0	0	546	710061900
84	4.11	CHARLES W. JOHNSON AND CYNTHIA L. JOHNSON	TLE	0	0	0	1013	710049000
86	4.11	DBZ HOUSE RENTALS, LLC	TLE	0	0	0	500	710061800
87	4.11	NORA T. KEES F/K/A NORA L. WASINGER	TLE	0	0	0	505	710065400
88	4.11	SHANNON HESS AND DEANNA HESS	TLE	0	0	0	550	710062300
89	4.11	CHRISTOPHER KIRSLING	TLE	0	0	0	512	710065500
91	4.11	TAMMY L. WIEGAND	TLE	0	0	0	453	710062200
92	4.11	GREGORY C. ZENTNER	TLE	0	0	0	504	710065800
93	4.11	ANNETTE R. LUETHGE, F/K/A ANNETTE R. LUETHGE MARTINEZ	TLE	0	0	0	1000	710062700
94	4.11	CORY J. PERCY	TLE	0	0	0	509	710065900
96	4.11	DEWEY A. BATES AND R. DANIEL JOHNSTON, D/B/A L.M.C. PROPERTY MANAGEMENT GROUP	TLE	0	0	0	650	710063000
	4.11		TLE	0	0	0	623	710063400
			TOTALS:	0	0	0	1273	
97	4.11	JOEL R. SAMP AND MICHELLE M. SAMP	TLE	0	0	0	507	710066200
98	4.11	JUDITH A. PFRANG	TLE	0	0	0	508	710066300
99	4.11	JAMES HOLETON	TLE	0	0	0	236	710066600
201	4.06, 4.11	MENASHA UTILITIES - ELECTRIC	RELEASE OF RIGHTS					
202	4.08, 4.11	MENASHA UTILITIES - WATER	RELEASE OF RIGHTS					
203	4.06	WE ENERGIES - GAS	RELEASE OF RIGHTS					
204	4.06	AT&T WISCONSIN	RELEASE OF RIGHTS					
205	4.06	TDS METROCOM, LLC	RELEASE OF RIGHTS					

4

REVISED: 4/16/2024

REVISION DATE 11/9/2023 2/29/2024 4/16/2024

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.04

PS&E SHEET 140 E

FILE NAME : 040104-RP.DWG
LAYOUT NAME - RW 1 IN 100 FT

PLOT DATE : 4/16/2024 1:10 PM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

GN

4

4

MILWAUKEE STREET

SCHOOL COURT

MARTIN STREET

STH 114

THIRD STREET

NE-SE

SIXTH STREET

SE-NE

SEVENTH STREET

CITY OF MENASHA

EIGHTH STREET

NE-NE

NINTH STREET

RACINE STREET

FOURTH STREET

FIFTH STREET

WARSAW STREET

7

1 3 9 11 13 16 18 21 23 24 27 29 32 34 46 48 51 53 57 61 61 77 81 84 87 89 92 94 97 98 99

2 4 6 12 14 17 19 22 26 28 31 33 36 37 38 39 41 42 43 44 47 49 52 54 56 58 59 62 62 64 66 68 67 69 71 72 73 74 76 78 79 82 83 86 88 91 93 96 96

T 20 N
R 17 E
15 14

T 20 N
R 17 E
15 10 11 14

SHEET 5 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023 N.C.	2/29/2024	4/16/2024

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0 125 250

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.05

PS&E SHEET 141

E

FILE NAME : 040105-RP.DWG
LAYOUT NAME - RW 1 IN 200 FT

PLOT DATE : 4/16/2024 8:04 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1:250

WISDOT/CADDS SHEET 75

BASIS OF EXISTING R/W

ROUTE	BASIS
RACINE STREET	ASSESSOR'S MAP OF 1924, R/W PROJECT NUMBER 4065-09-00, CSM #2705, CSM #3241, PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E
STH 114 (THIRD STREET)	R/W PROJECT NUMBER 4065-09-00, CSM #2705, CSM #3241
FOURTH STREET	DOC. #1764420, ASSESSOR'S MAP OF 1924, PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E

10' WATERMAIN EASEMENT DOC. #1105450
30' PARKING ACCESS EASEMENT DOC. #1105450
10' GAS EASEMENT DOC. #1105450
20' PARKING ACCESS EASEMENT DOC. #1105450
66'
33' 33'
P.L.
STH 114 THIRD STREET
302 R/L S89°45'41"E
SIXTEENTH LINE
PI: 76+72.88
303
STA 76+72.88 =STA 303+35.97
R/L S89°45'41"E 304
305
66'
33' 33'
R/L S89°14'40"E
STH 114 THIRD STREET
SOUTH 1/4 CORNER

1
LOT 1 CSM #4622 VI/P4622 DOC. #1105450
710026800 ETD DEVELOPMENT, LLC

2
710027502 WALTRUST PROPERTIES, INC.

3
710038001 JACQUES HOLDINGS, LLC (UNDIVIDED 1/2 INTEREST) 111 MALL DRIVE, LLC (UNDIVIDED 1/2 INTEREST)
1
REPLAT OF ALL OF LOTS 1, 2, 3, 4 AND 12 AND PART OF LOT 11, ASSESSOR'S MAP OF 1924

4
710027501 NORTHWOODS BD REAL ESTATE, LLC

6
710027600 BBSSP INVESTMENTS, LLC

7
710038000 CITY OF MENASHA
LOT 3 CSM #5887 VI/P5887 DOC. #1398246

9
710039200 635 SIXTH STREET, LLC
15
16
PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E

710028000 WISCONSIN CENTRAL LTD.

14
PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E

710027700 WISCONSIN CENTRAL LTD.

NE-SE

201 MENASHA UTILITIES - ELECTRIC RELEASE OF RIGHTS
204 AT&T WISCONSIN RELEASE OF RIGHTS
205 TDS METROCOM, LLC RELEASE OF RIGHTS
10' COMMON EASEMENT FOR TELEPHONE COMMUNICATIONS AND ELECTRIC DOC. #1105450
30' COMMON ACCESS EASEMENT DOC. #1105450
203 WE ENERGIES - GAS RELEASE OF RIGHTS
201 MENASHA UTILITIES - ELECTRIC RELEASE OF RIGHTS

SLOPE INTERCEPT, TYP.
TLE FOR DRIVEWAYS AND SLOPES, TYP.
43' 10'
TLE
P.L.
PLE
PLE FOR DRAINAGE
15' 48'

404 77+05.01 68.59' TLE
405 77+14.21 72.52' TLE
406 77+51.18 43.00' TLE
407 81+75.30 43.00' TLE
408 81+75.38 33.00' TLE
409
410
411 82+70.26 33.00' TLE
412 82+70.13 48.00' TLE
413 83+59.20 48.00' TLE
414 83+59.33 33.00' TLE
415
201 83+45.00 33.00' PLE
202 83+45.00 43.00' PLE
203 83+55.00 43.00' PLE
204 83+55.00 33.00' PLE
201 83+45.00 33.00' PLE

77 78 79 80 81 82 83
R/L N00°58'06"E
RACINE STREET
33' 66' 33'
STA 83+33.94 =STA 400+00.00
400
401 R/L S89°31'29"E FOURTH STREET
50'

423 77+73.20 38.00' TLE
420
38.00' TLE 79+15 43.00' TLE 419
79+15 43.00' TLE 418
5' 38'
43' 10'
TLE FOR DRIVEWAYS AND SLOPES, TYP.
33.00' TLE 81+77.82 416
43.00' TLE 81+77.92 417
422 93.90' TLE 77+07.22
421 94.30' TLE 77+12.21

BEGIN RELOCATION ORDER
77+05.01
Y 541449.86
X 817125.01
1241.05' SOUTH AND 456.92' WEST OF THE EAST QUARTER CORNER OF SECTION 15, T20N, R17E

SECTION LINE
S00°20'17"W 2412.72'
TO MEANDER CORNER

871 MEANDER CORNER
ALUMINUM MONUMENT FOUND
Y 540278.237
X 817567.696

74 CHISELED CROSS FOUND
Y 542690.913
X 817581.932

CITY OF MENASHA

SEE SHEET 4.07 MATCH LINE

SEE SHEET 12 OF 14 SHEETS FOR COORDINATE AND COURSE TABLES

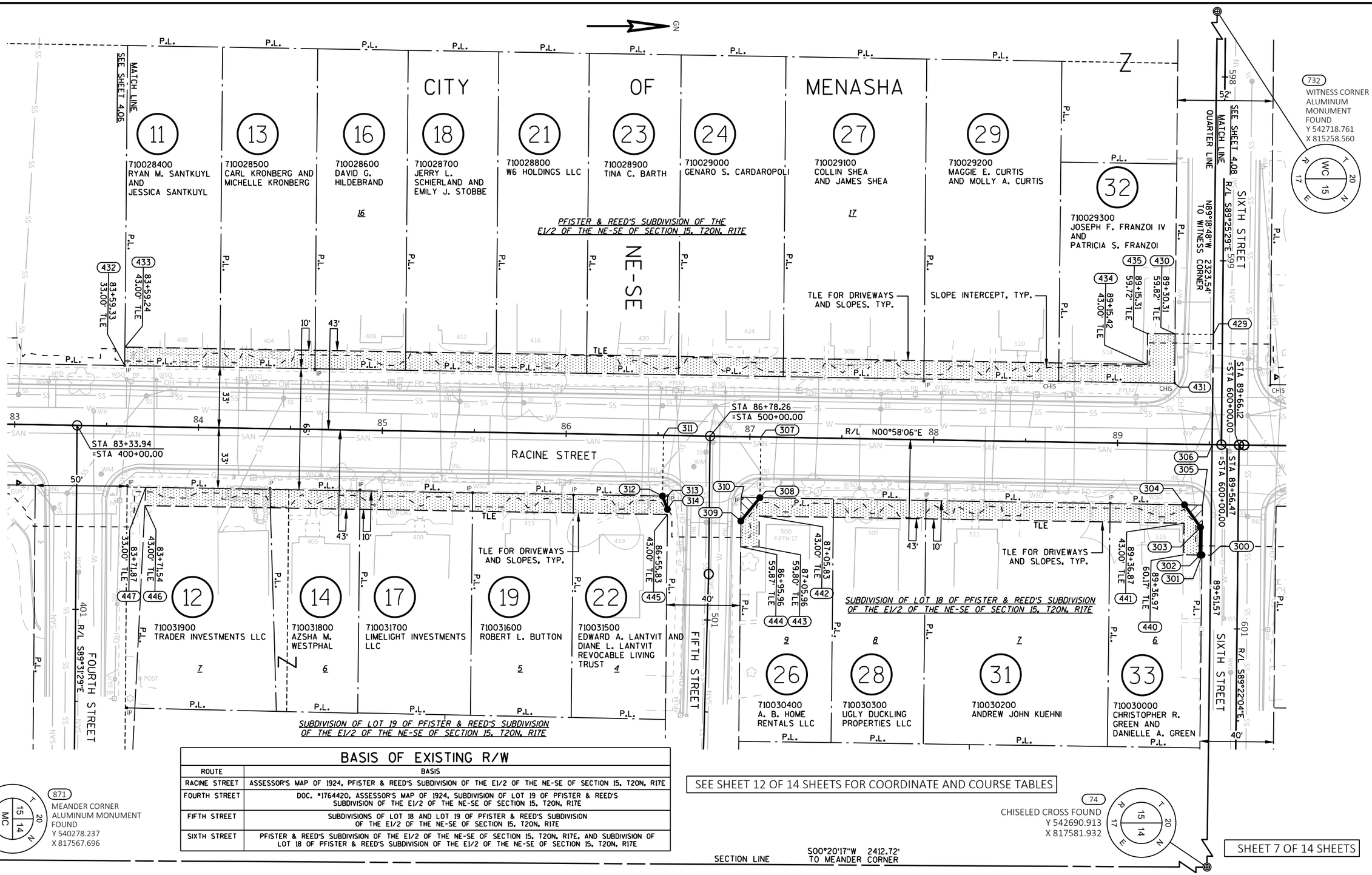
SHEET 6 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024 N.C.

DATE 8/29/2023
GRID FACTOR
SCALE, FEET 0 25 50
HWY: RACINE STREET
COUNTY: WINNEBAGO
STATE R/W PROJECT NUMBER 4992-00-59
CONSTRUCTION PROJECT NUMBER 4992-00-60
PLAT SHEET 4.06
PS&E SHEET 142
E

FILE NAME : 040106-RP.DWG
LAYOUT NAME - RW 1 IN 50 FT
PLOT DATE : 4/16/2024 8:08 AM
PLOT BY : JAY PANETTI
PLOT NAME :
PLOT SCALE : 1 IN:50 FT



BASIS OF EXISTING R/W

ROUTE	BASIS
RACINE STREET	ASSESSOR'S MAP OF 1924, PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E
FOURTH STREET	DOC. #1764420, ASSESSOR'S MAP OF 1924, SUBDIVISION OF LOT 19 OF PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E
FIFTH STREET	SUBDIVISIONS OF LOT 18 AND LOT 19 OF PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E
SIXTH STREET	PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E, AND SUBDIVISION OF LOT 18 OF PFISTER & REED'S SUBDIVISION OF THE E1/2 OF THE NE-SE OF SECTION 15, T20N, R17E

SEE SHEET 12 OF 14 SHEETS FOR COORDINATE AND COURSE TABLES

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0 25 50

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.07

PS&E SHEET 143 E

FILE NAME : 040107-RP.DWG
LAYOUT NAME - RW 1 IN 50 FT

PLOT DATE : 4/16/2024 8:10 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

CITY OF MENASHA

SE-NE

BASIS OF EXISTING R/W	
ROUTE	BASIS
RACINE STREET	REED'S FIRST ADDITION
SIXTH STREET	REED'S FIRST ADDITION

732 WITNESS CORNER
ALUMINUM MONUMENT FOUND
Y 542718.761
X 815258.560

34 710050500 BOYS & GIRLS CLUB FOX VALLEY, INC.

46 710052200 CASSANDRA A. DE LOS SANTOS

48 710052500 PETER J. KEMPS AND SUSAN P. KEMPS

51 710052600 SUSAN M. DERFUS

53 710052800 ANDREA M. FENCL

SEE SHEET 4.09 MATCH LINE

SEE SHEET 4.07 MATCH LINE

52' - 1/4 QUARTER LINE - R/L S89°25'29"E 2323.54'

N89°18'48"W 2323.54' TO WITNESS CORNER

SIXTH STREET

202 MENASHA UTILITIES - WATER RELEASE OF RIGHTS

LOT 1 CSM #7536 VI/7536 DOC. #1800857

TLE FOR DRIVEWAYS AND SLOPES, TYP.

SLOPE INTERCEPT, TYP.

RACINE STREET

R/L, N00°32'30"E

STA 89+66.12 = STA 600+00.00

PI: 89+68.90

STA 89+56.47 = STA 600+00.00

R/L S89°22'04"E

SIXTH STREET

36 710048000 KENNETH R. THOMPSON AND ROSE ANN THOMPSON

37 710048100 JOSH JAMES GREIL

38 710048200 ALICIA L. CAMERON AND CASEY J. CAMERON

39 710048300 HEATHER E. CLOHESSY

41 710048400 NEXT LEVEL PROPERTIES, LLC

42 710048500 SHERRY L. WHITE

43 710048600 THOMAS R. REGAZZI AND CONNIE M. REGAZZI

44 710049000 PACKERLAND HOME BUYERS LLC

47 710048900 JOSHUA THULIEN

49 710049400 HRI GROUP LLC

52 710049300 VICKY L. BARNETT

54 710049800 CAROL J. QUIMBY

SUBDIVISION OF LOTS 1, 2, 3, & 4 BLOCK 1 REED'S FIRST ADDITION

BLOCK 2 REED'S FIRST ADDITION

BLOCK 1 REED'S FIRST ADDITION

74 CHISELED CROSS FOUND
Y 542690.913
X 817581.932

61 BRASS CAP FOUND
Y 545305.587
X 817606.290

SECTION LINE
N00°32'01"E 2614.79'

SEE SHEET 13 OF 14 SHEETS FOR COORDINATE AND COURSE TABLES

SHEET 8 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024 N.C.

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0 25 50

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.08

PS&E SHEET 144 E

FILE NAME : 040108-RP.DWG
LAYOUT NAME - RW 1 IN 50 FT

PLOT DATE : 4/16/2024 8:12 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

BASIS OF EXISTING R/W	
ROUTE	BASIS
RACINE STREET	REED'S FIRST ADDITION
SEVENTH STREET	REED'S FIRST ADDITION

CITY OF MENASHA

SE-NE

MATCH LINE SEE SHEET 4.08

MATCH LINE SEE SHEET 4.10

SEVENTH STREET

SIXTEENTH LINE

RACINE STREET

88'

66'

36'

33'

43' 10'

46' 10'

P.L.

TLE

R/L S89°44'45"E

R/L N00°32'30"E

R/L S89°45'10"E

SLOPE INTERCEPT, TYP.

TLE FOR DRIVEWAYS AND SLOPES, TYP.

468	96+38.71	33.00'	TLE	
467	96+38.66	43.00'	TLE	
502	97+83.20	89.76'	TLE	
503	97+88.20	89.79'	TLE	
500	97+71.38	43.00'	TLE	
501	97+83.38	55.05'	TLE	
505	98+76.23	85.23'	TLE	
506	98+86.23	85.28'	TLE	
507	98+86.42	46.00'	TLE	
508	102+60.94	46.00'	TLE	
509	102+60.87	36.00'	TLE	
469	96+38.19	33.00'	TLE	
470	96+38.24	43.00'	TLE	
517	97+88.78	43.00'	TLE	
513	98+64.78	43.00'	TLE	
515	98+54.97	79.84'	TLE	
514	98+64.97	79.79'	TLE	
511	102+60.42	33.00'	TLE	
512	102+60.35	43.00'	TLE	

363	361	357
504	510	
360	351	518
516	373	372
371	370	

STA 98+31.15 =STA 700+00.00

STA 98+24.06 =STA 700+00.00

97 98 99 100 101 102

57 710053000 ST. TIMOTHY ENGLISH EVANGELICAL LUTHERAN CHURCH OF MENASHA, WISCONSIN

61 710056800 MENASHA JOINT SCHOOL DISTRICT

LOT 1 CSM #6869 V1/P6869 DOC. #1671944

420 SEVENTH ST

58 710050400 JUSTIN PAVEK

56 710049700 GIOVANI R. CASTILLO AND EMILEE G. PANKRATZ

59 710058100 SHARON M. KRUEGER

62 710058400 ISRAEL MEDINA

62 710058800 ISRAEL MEDINA

64 710058700 MARY A. BERTRAM

66 710059100 BRIAN K. MONDAY

68 710059600 AMY KURTH

BLOCK 1 REED'S FIRST ADDITION

BLOCK 2 REED'S FIRST ADDITION

BLOCK 4 REED'S FIRST ADDITION

505 SEVENTH ST

649 653 701 702 709 713 717 723

74 CHISELED CROSS FOUND
Y 542690.913
X 817581.932

61 BRASS CAP FOUND
Y 545305.587
X 817606.290

SECTION LINE N00°32'01"E 2614.79'

SEE SHEET 13 OF 14 SHEETS FOR COORDINATE AND COURSE TABLES

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024 N.C.

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0 25 50

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.09

PS&E SHEET

E

FILE NAME : 040109-RP.DWG
LAYOUT NAME - RW 1 IN 50 FT

PLOT DATE : 4/16/2024 8:13 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

CITY OF MENASHA

BASIS OF EXISTING R/W	
ROUTE	BASIS
RACINE STREET	REED'S FIRST ADDITION
EIGHTH STREET	REED'S FIRST ADDITION

61
710056800
MENASHA JOINT SCHOOL DISTRICT

LOT 1
CSM #6869
V1/P6869
DOC. #1671944

NE-NE

MATCH LINE SEE SHEET 4.09

SIXTEENTH LINE

TLE FOR DRIVEWAYS AND SLOPES, TYP.

SLOPE INTERCEPT, TYP.

509 102+60.87 36.00° TLE
508 102+60.94 46.00° TLE
521 522 103+06.68 46.00°/43.00° TLE
523 106+37.37 43.00° TLE
524 106+37.24 69.80° TLE
525 106+41.24 69.84° TLE
526
527
528
520
511 102+60.42 33.00° TLE
512 102+60.35 43.00° TLE
530 107+22.24 70.15° TLE
531 107+32.24 70.20° TLE
532 107+32.37 43.00° TLE
533 109+25.63 43.00° TLE
534 109+25.68 33.00° TLE
384
382
381
399 STA 106+86.07 =STA 800+00.00
397
392
390
550 106+56.88 60.21° TLE
551 106+46.88 60.28° TLE
552 106+46.77 43.00° TLE
542 107+32.77 43.00° TLE
543 107+32.88 59.74° TLE
544 107+22.88 59.80° TLE
540 109+22.71 33.00° TLE
541 109+22.77 43.00° TLE
394
380

RACINE STREET
R/L N00°32'30"E

EIGHTH STREET
R/L S89°43'40"E
R/L S89°48'53"E

75'
66'
36'
33'
10'
43'

P.L.
TLE
IP

BLOCK 6
REED'S FIRST ADDITION
1
2

77
710064300
KRISTY L. METOXEN

81
710064400
DAVID W. ZBORAY AND
ANTOINETTE V. ZBORAY

68
710059600
AMY KURTH

67
710059500
BRAISON L. BENNETT

69
710060000
FABER JIMENEZ
FLORES

71
710059900
JOAN C. PEKEL

72
710060400
GARY M. TROFKA
AND JANE M. MALIN

73
710060300
COLIN C. DEEG

74
710060900
GABRIELSON
PROPERTIES, LLC

76
710060800
JERROLD KENNETH
LOTZER JR.

78
710061200
WILLIAM VOLKMAN

79
710061600
AKEY PROPERTY
MANAGEMENT LLC

82
710061500
JULIO MEDRANO

5 6 7 8 1 2

BLOCK 4
REED'S FIRST ADDITION

BLOCK 5
REED'S FIRST ADDITION

SEE SHEET 4.11 MATCH LINE

74
CHISELED CROSS
FOUND
Y 542690.913
X 817581.932

SECTION LINE
N00°32'01"E 2614.79'

61
BRASS CAP FOUND
Y 545305.587
X 817606.290

SEE SHEET 14 OF 14 SHEETS FOR COORDINATE AND COURSE TABLES

SHEET 10 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024 N.C.

DATE 8/29/2023
GRID FACTOR

SCALE, FEET 0 25 50

HWY: RACINE STREET
COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59
CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.10
PS&E SHEET

E

FILE NAME : 040110-RP.DWG
LAYOUT NAME - RW 1 IN 50 FT

PLOT DATE : 4/16/2024 8:13 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

CITY OF MENASHA

BLOCK 6
REED'S FIRST ADDITION

3 4 5 6 7 8

MATCH LINE SEE SHEET 4.10

84	87	89	92	94	97	98	99
710065100 CHARLES W. JOHNSON AND CYNTHIA L. JOHNSON	710065400 NORA T. KEES F/K/A NORA L. WASINGER	710065500 CHRISTOPHER KIRSLING	710065800 GREGORY C. ZENTNER	710065900 CORY J. PERCY	710066200 JOEL R. SAMP AND MICHELLE M. SAMP	710066300 JUDITH A. PFRANG	710066600 JAMES HOLETON

533 109+25.63 43.00' TLE
534 109+25.68 33.00' TLE
564 113+55 43.00' TLE
563 113+55 33.00' TLE
562
561 PI: 115+26.34
560 R/L N04°03'22"E 116

TLE FOR DRIVEWAYS AND SLOPES, TYP.

RACINE STREET
R/L N00°32'30"E
110 111 112 113 114 115
10' 43' 33' 66' 33'
TLE

END RELOCATION ORDER
113+55.00
Y 545099.56
X 817168.92
206.02' SOUTH AND 437.37' WEST OF THE NORTHEAST CORNER OF SECTION 15, T20N, R17E

BRASS CAP FOUND
Y 545358.723
X 814966.761
60 T20N R17E 15 10

NE-NE

NINTH STREET
36' 33'
115+69.85

LOT 1
CSM #2751
V1/P2751
DOC. #843813

MENASHA UTILITIES - RELEASE OF RIGHTS

SLOPE INTERCEPT, TYP.

566 113+55 43.00' TLE
565 113+55 33.00' TLE

83	86	88	91	93	201	202	96	96
710061900 JOHN M. RAETHER	710061800 DBZ HOUSE RENTALS, LLC	710062300 SHANNON HESS AND DEANNA HESS	710062200 TAMMY L. WIEGAND	710062700 ANNETTE R. LUETHGE, F/K/A ANNETTE R. LUETHGE MARTINEZ			710063000 DEWEY A. BATES AND R. DANIEL JOHNSTON, D/B/A L.M.C. PROPERTY MANAGEMENT GROUP	710063400

540 109+22.71 33.00' TLE
541 109+22.77 43.00' TLE

MENASHA UTILITIES - RELEASE OF RIGHTS - ELECTRIC

TLE FOR DRIVEWAYS AND SLOPES, TYP.

BLOCK 5
REED'S FIRST ADDITION

MATCH LINE SEE SHEET 4.10

SECTION LINE N88°50'48"W 2640.06'

74 CHISELED CROSS FOUND
Y 542690.913
X 817581.932
T20N R17E 15 14

61 BRASS CAP FOUND
Y 545305.587
X 817606.290
T20N R17E 15 14 10 11

SECTION LINE N00°32'01"E 2614.79'

SEE SHEET 14 OF 14 SHEETS FOR COORDINATE AND COURSE TABLES

BASIS OF EXISTING R/W

ROUTE	BASIS
RACINE STREET	REED'S FIRST ADDITION
NINTH STREET	REED'S FIRST ADDITION, TPP NO: 1517-07-21 - 4.12

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024	4/16/2024

DATE 8/29/2023
GRID FACTOR

SCALE, FEET 0 25 50

HWY: RACINE STREET
COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59
CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.11
PS&E SHEET — 147 E

FILE NAME : 040111-RP.DWG
LAYOUT NAME - RW 1 IN 50 FT

PLOT DATE : 4/16/2024 1:11 PM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 75

COORDINATE AND COURSE TABLES

SHEET 4.06

TLE COURSE TABLE - PARCELS 1, 3 & 7					
FROM PT #	TO PT #	BEARING/LC BEARING	DISTANCE/ LC LENGTH	CURVE LENGTH	CURVE RADIUS
74	401	S00° 20' 17"W	615.90'	-	-
401	402	N89° 31' 29"W	442.68'	-	-
402	403	S00° 58' 06"W	628.92'	-	-
403	404	N89° 01' 54"W	68.59'	-	-
404	405	N22° 11' 25"W	10.00'	-	-
405	406	N39° 34' 15"E	47.31'	49.29'	50.00'
406	407	N00° 58' 06"E	424.11'	-	-
407	408	S89° 31' 11"E	10.00'	-	-
408	409	S00° 58' 06"W	425.06'	-	-
409	404	S39° 07' 06"W	57.61'	60.09'	60.00'

TLE COURSE TABLE - PARCELS 2, 4 & 6					
FROM PT #	TO PT #	BEARING/LC BEARING	DISTANCE/ LC LENGTH	CURVE LENGTH	CURVE RADIUS
74	401	S00° 20' 17"W	615.90'	-	-
401	402	N89° 31' 29"W	442.68'	-	-
402	415	S00° 58' 06"W	156.12'	-	-
415	416	S89° 01' 54"E	33.00'	-	-
416	417	S89° 37' 26"E	10.00'	-	-
417	418	S00° 58' 06"W	262.92'	-	-
418	419	N89° 01' 54"W	5.00'	-	-
419	420	S00° 58' 06"W	141.80'	-	-
420	421	S41° 44' 17"E	83.00'	91.22'	61.19'
421	422	S05° 33' 19"W	5.00'	-	-
422	423	N41° 44' 18"W	89.79'	98.67'	66.19'
423	416	N00° 58' 06"E	404.62'	-	-

PLE COURSE TABLE - PARCEL 9			
FROM PT #	TO PT #	BEARING	DISTANCE
74	401	S00° 20' 17"W	615.90'
401	402	N89° 31' 29"W	442.68'
402	410	S00° 58' 06"W	63.68'
410	411	N89° 01' 54"W	33.00'
411	201	N00° 58' 06"E	74.74'
201	202	N89° 01' 54"W	10.00'
202	203	N00° 58' 06"E	10.00'
203	204	S89° 01' 54"E	10.00'
204	201	S00° 58' 06"W	10.00'

TLE COURSE TABLE - PARCEL 9			
FROM PT #	TO PT #	BEARING	DISTANCE
74	401	S00° 20' 17"W	615.90'
401	402	N89° 31' 29"W	442.68'
402	410	S00° 58' 06"W	63.68'
410	411	N89° 01' 54"W	33.00'
411	412	N89° 30' 07"W	15.00'
412	413	N00° 58' 06"E	89.07'
413	414	S89° 30' 07"E	15.00'
414	204	S00° 58' 06"W	4.33'
204	203	N89° 01' 54"W	10.00'
203	202	S00° 58' 06"W	10.00'
202	201	S89° 01' 54"E	10.00'
201	411	S00° 58' 06"W	74.74'

SHEET 4.06

COORDINATE TABLE		
POINT	Y	X
201	542090.316	817102.828
202	542090.485	817092.829
203	542100.484	817092.998
204	542100.315	817102.997
401	542075.026	817578.298
402	542078.698	817135.636
403	541449.864	817125.007
404	541451.023	817056.429
405	541460.283	817052.653
406	541496.755	817082.794
407	541920.805	817089.961
408	541920.722	817099.961
409	541495.721	817092.778
410	542015.025	817134.560
411	542015.582	817101.564
412	542015.713	817086.565
413	542104.771	817088.070
414	542104.640	817103.070
415	541922.602	817132.998
416	541922.045	817165.993
417	541921.979	817175.993
418	541659.093	817171.550
419	541659.178	817166.550
420	541517.399	817164.154
421	541455.462	817219.412
422	541450.485	817218.928
423	541517.482	817159.155

SHEET 4.07

TLE COURSE TABLE - PARCELS 11, 13, 16, 18, 21, 23, 24, 27 & 32			
FROM PT #	TO PT #	BEARING	DISTANCE
74	429	N89° 18' 48"W	495.82'
429	430	S00° 41' 12"W	20.87'
430	431	S89° 25' 29"E	26.82'
431	432	S00° 58' 06"W	571.16'
432	433	N89° 30' 07"W	10.00'
433	434	N00° 58' 06"E	556.18'
434	435	N89° 25' 29"W	16.72'
435	430	N00° 34' 31"E	15.00'

TLE COURSE TABLE - PARCELS 12, 14, 17, 19 & 22			
FROM PT #	TO PT #	BEARING	DISTANCE
74	306	N89° 18' 48"W	435.89'
306	311	S00° 58' 06"W	298.47'
311	312	S89° 01' 54"E	33.00'
312	314	N69° 34' 29"E	7.70'
314	445	S89° 27' 26"E	2.83'
445	446	S00° 58' 06"W	284.29'
446	447	N87° 09' 36"W	10.01'
447	312	N00° 58' 06"E	281.13'

TLE COURSE TABLE - PARCELS 26, 28, 31 & 33			
FROM PT #	TO PT #	BEARING	DISTANCE
74	300	N89° 18' 48"W	375.80'
300	301	S00° 41' 12"W	4.79'
301	302	S00° 37' 56"W	1.00'
302	440	S00° 37' 56"W	9.00'
440	441	N89° 22' 04"W	17.17'
441	442	S00° 58' 06"W	231.04'
442	443	S89° 27' 26"E	16.80'
443	444	S00° 32' 34"W	10.00'
444	309	N89° 27' 26"W	14.00'
309	308	N50° 46' 34"W	16.39'
308	304	N00° 58' 06"E	231.00'
304	303	N54° 44' 09"E	15.02'
303	302	S89° 22' 04"E	15.00'

FEE COURSE TABLE - PARCEL 22			
FROM PT #	TO PT #	BEARING	DISTANCE
74	306	N89° 18' 48"W	435.89'
306	311	S00° 58' 06"W	298.47'
311	312	S89° 01' 54"E	33.00'
312	313	N00° 58' 06"E	2.75'
313	314	S89° 27' 26"E	7.17'
314	312	S69° 34' 29"W	7.70'

FEE COURSE TABLE - PARCEL 26			
FROM PT #	TO PT #	BEARING	DISTANCE
74	306	N89° 18' 48"W	435.89'
306	307	S00° 58' 06"W	245.47'
307	308	S89° 01' 54"E	33.00'
308	309	S50° 46' 34"E	16.39'
309	310	N89° 27' 26"W	12.87'
310	308	N00° 58' 06"E	10.24'

FEE COURSE TABLE - PARCEL 33			
FROM PT #	TO PT #	BEARING	DISTANCE
74	300	N89° 18' 48"W	375.80'
300	301	S00° 41' 12"W	4.79'
301	302	S00° 37' 56"W	1.00'
302	303	N89° 22' 04"W	15.00'
303	304	S54° 44' 09"W	15.02'
304	305	N00° 58' 06"E	9.81'
305	301	S89° 22' 04"E	27.11'

SHEET 4.07

COORDINATE TABLE		
POINT	Y	X
300	542695.417	817206.158
301	542690.625	817206.101
302	542689.626	817206.090
303	542689.791	817191.091
304	542681.116	817178.823
305	542690.925	817178.989
306	542696.137	817146.072
307	542450.707	817141.924
308	542450.149	817174.919
309	542439.785	817187.616
310	542439.907	817174.746
311	542397.715	817141.028
312	542397.157	817174.023
313	542399.912	817174.070
314	542399.844	817181.238
401	542075.026	817578.298
429	542696.855	817086.151
430	542675.992	817085.901
431	542675.722	817112.722
432	542104.640	817103.070
433	542104.727	817093.070
434	542660.825	817102.469
435	542660.992	817085.751
440	542680.626	817205.991
441	542680.816	817188.819
442	542449.811	817184.915
443	542449.652	817201.711
444	542439.652	817201.616
445	542399.817	817184.070
446	542115.568	817179.265
447	542116.064	817169.272

SHEET 12 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023	2/29/2024 N.C.	4/16/2024 N.C.

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.12

PS&E SHEET 148

E

FILE NAME : 040112-RP.DWG
LAYOUT NAME - RW 1 IN 100 FT

PLOT DATE : 4/16/2024 8:16 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

4

4

COORDINATE AND COURSE TABLES

SHEET 4.08

FEE COURSE TABLE - PARCEL 34			
FROM PT #	TO PT #	BEARING	DISTANCE
74	330	N89° 18' 48"W	482.92'
330	331	N00° 41' 12"E	31.16'
331	332	N45° 10' 52"E	20.03'
332	333	S00° 32' 30"W	14.26'
333	331	N89° 25' 29"W	14.08'

TLE COURSE TABLE - PARCELS 34, 46, 48, 51 & 53			
FROM PT #	TO PT #	BEARING	DISTANCE
74	330	N89° 18' 48"W	482.92'
330	331	N00° 41' 12"E	31.16'
331	460	N89° 25' 29"W	10.92'
460	461	N00° 32' 30"E	42.25'
461	462	S89° 27' 30"E	15.00'
462	463	N00° 32' 30"E	227.63'
463	464	N89° 27' 30"W	10.00'
464	465	N00° 32' 30"E	20.00'
465	466	S89° 27' 30"E	10.00'
466	467	N00° 32' 30"E	366.03'
467	468	S89° 44' 45"E	10.00'
468	332	S00° 32' 30"W	641.71'
332	331	S45° 10' 52"W	20.03'

FEE COURSE TABLE - PARCEL 36			
FROM PT #	TO PT #	BEARING	DISTANCE
74	334	N89° 18' 48"W	390.84'
334	335	N00° 41' 12"E	35.19'
335	336	N89° 22' 04"W	12.01'
336	337	N00° 32' 30"E	8.44'
337	335	S54° 19' 02"E	14.69'

TLE COURSE TABLE - PARCELS 36, 37, 38, 39, 41, 42, 43, 44, 47, 49, 52 & 54			
FROM PT #	TO PT #	BEARING	DISTANCE
74	334	N89° 18' 48"W	390.84'
334	335	N00° 41' 12"E	35.19'
335	337	N54° 19' 02"W	14.69'
337	469	N00° 32' 30"E	643.19'
469	470	S89° 45' 10"E	10.00'
470	471	S00° 32' 30"W	258.24'
471	472	S89° 27' 30"E	2.00'
472	473	S00° 32' 30"W	27.00'
473	474	N89° 27' 30"W	2.00'
474	475	S00° 32' 30"W	103.00'
475	476	S89° 27' 30"E	5.00'
476	477	S00° 32' 30"W	35.00'
477	478	N89° 27' 30"W	5.00'
478	479	S00° 32' 30"W	98.00'
479	480	S89° 27' 30"E	5.00'
480	481	S00° 32' 30"W	26.00'
481	482	N89° 27' 30"W	5.00'
482	483	S00° 32' 30"W	94.45'
483	484	S89° 22' 04"E	17.03'
484	485	S00° 37' 56"W	10.00'
485	335	N89° 22' 04"W	15.00'

SHEET 4.08

COORDINATE TABLE		
POINT	Y	X
318	542618.103	817205.733
330	542696.701	817099.049
331	542727.859	817099.423
332	542741.980	817113.634
333	542727.717	817113.499
334	542695.597	817191.122
335	542730.789	817191.543
336	542730.921	817179.532
337	542739.357	817179.612
401	542075.026	817578.298
460	542727.968	817088.500
461	542770.215	817088.900
462	542770.074	817103.899
463	542997.691	817106.051
464	542997.786	817096.051
465	543017.785	817096.240
466	543017.690	817106.240
467	543383.707	817109.699
468	543383.662	817119.699
469	543382.519	817185.692
470	543382.476	817195.692
471	543124.245	817193.251
472	543124.226	817195.251
473	543097.227	817194.995
474	543097.246	817192.995
475	542994.251	817192.022
476	542994.203	817197.022
477	542959.205	817196.691
478	542959.252	817191.691
479	542861.257	817190.765
480	542861.209	817195.765
481	542835.210	817195.519
482	542835.258	817190.519
483	542740.810	817189.626
484	542740.622	817206.653
485	542730.623	817206.542

SHEET 4.09

TLE COURSE TABLE - PARCELS 56 & 58			
FROM PT #	TO PT #	BEARING	DISTANCE
74	350	N00° 32' 01"E	875.93'
350	516	N89° 45' 10"W	392.83'
516	517	S00° 14' 50"W	35.50'
517	470	S00° 32' 30"W	150.53'
470	469	N89° 45' 10"W	10.00'
469	518	N00° 32' 30"E	150.53'
518	517	S89° 45' 10"E	10.00'

TLE COURSE TABLE - PARCEL 57			
FROM PT #	TO PT #	BEARING	DISTANCE
74	350	N00° 32' 01"E	875.93'
350	351	N89° 45' 10"W	435.65'
351	360	N00° 32' 30"E	7.10'
360	361	N89° 44' 45"W	53.21'
361	363	S00° 15' 15"W	42.50'
363	357	S44° 36' 07"E	28.21'
357	468	S00° 32' 30"W	129.78'
468	467	N89° 44' 45"W	10.00'
467	500	N00° 32' 30"E	132.72'
500	501	N44° 36' 07"W	17.00'
501	502	N89° 44' 45"W	34.71'
502	503	N00° 15' 15"E	5.00'
503	363	S89° 44' 45"E	36.79'

TLE COURSE TABLE - PARCELS 59, 62, 64, 66 & 68			
FROM PT #	TO PT #	BEARING	DISTANCE
74	350	N00° 32' 01"E	875.93'
350	370	N89° 45' 10"W	395.65'
370	371	N00° 14' 50"E	30.50'
371	373	N42° 50' 46"W	9.96'
373	511	N00° 32' 30"E	398.42'
511	512	S89° 04' 47"E	10.00'
512	513	S00° 32' 30"W	395.57'
513	514	S89° 45' 10"E	36.79'
514	515	S00° 14' 50"W	10.00'
515	371	N89° 45' 10"W	40.00'

TLE COURSE TABLE - PARCEL 61			
FROM PT #	TO PT #	BEARING	DISTANCE
74	350	N00° 32' 01"E	875.93'
350	351	N89° 45' 10"W	435.65'
351	360	N00° 32' 30"E	7.10'
360	504	N89° 44' 45"W	85.00'
504	505	N00° 15' 15"E	45.50'
505	506	N00° 15' 15"E	10.00'
506	507	S89° 44' 45"E	39.28'
507	508	N00° 32' 30"E	374.51'
508	509	S89° 04' 47"E	10.00'
509	510	S00° 32' 30"W	384.40'
510	505	N89° 44' 45"W	49.23'

FEE COURSE TABLE - PARCEL 59			
FROM PT #	TO PT #	BEARING	DISTANCE
74	350	N00° 32' 01"E	875.93'
350	370	N89° 45' 10"W	395.65'
370	371	N00° 14' 50"E	30.50'
371	372	N89° 45' 10"W	6.84'
372	373	N00° 32' 30"E	7.27'
373	371	S42° 50' 46"E	9.96'

SHEET 4.09

COORDINATE TABLE		
POINT	Y	X
350	543566.808	817590.092
351	543568.687	817154.450
357	543513.433	817120.926
360	543575.784	817154.517
361	543576.021	817101.304
363	543533.521	817101.115
370	543568.515	817194.449
371	543599.014	817194.581
372	543599.044	817187.738
373	543606.318	817187.807
401	542075.026	817578.298
467	543383.707	817109.699
468	543383.662	817119.699
469	543382.519	817185.692
470	543382.476	817195.692
500	543516.424	817110.954
501	543528.530	817099.015
502	543528.684	817064.307
503	543533.684	817064.329
504	543576.162	817069.518
505	543621.661	817069.720
506	543631.661	817069.764
507	543631.487	817109.041
508	544005.984	817112.581
509	544005.824	817122.580
510	543621.443	817118.947
511	544004.716	817191.573
512	544004.555	817201.572
513	543609.000	817197.833
514	543608.842	817234.624
515	543598.842	817234.581
516	543568.502	817197.268
517	543533.003	817197.114
518	543533.046	817187.114

4

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REVISED: 4/16/2024

SHEET 13 OF 14 SHEETS

REVISION DATE	11/9/2023	2/29/2024	4/16/2024 N.C.

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.13

PS&E SHEET 149

E

FILE NAME : 040113-RP.DWG
LAYOUT NAME - RW 1 IN 100 FT

PLOT DATE : 4/16/2024 8:16 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

COORDINATE AND COURSE TABLES

SHEET 4.10

TLE COURSE TABLE - PARCEL 61			
FROM PT #	TO PT #	BEARING	DISTANCE
74	394	N00° 32' 01"E	1307.39'
394	520	N89° 04' 47"W	435.59'
520	509	N89° 04' 47"W	36.00'
509	508	N89° 04' 47"W	10.00'
508	521	N00° 32' 30"E	45.75'
521	522	S89° 44' 08"E	3.00'
522	523	N00° 32' 30"E	330.67'
523	524	N89° 43' 40"W	26.80'
524	525	N00° 16' 20"E	10.00'
525	526	S89° 43' 40"E	36.84'
526	527	S00° 32' 30"W	340.72'
527	528	N89° 44' 08"W	3.00'
528	509	S00° 32' 30"W	45.81'

TLE COURSE TABLE - PARCELS 67, 68, 69, 71, 72, 73, 74 & 76			
FROM PT #	TO PT #	BEARING	DISTANCE
74	394	N00° 32' 01"E	1307.39'
394	512	N89° 04' 47"W	392.59'
512	511	N89° 04' 47"W	10.00'
511	397	N00° 32' 30"E	396.29'
397	550	S89° 48' 53"E	27.21'
550	551	S00° 11' 07"W	10.00'
551	552	N89° 48' 53"W	17.28'
552	512	S00° 32' 30"W	386.42'

TLE COURSE TABLE - PARCELS 77 & 81			
FROM PT #	TO PT #	BEARING	DISTANCE
61	380	S00° 32' 01"W	871.44'
380	381	N89° 48' 53"W	435.53'
381	382	N00° 32' 30"E	31.41'
382	384	N89° 27' 30"W	33.00'
384	530	N89° 43' 40"W	37.15'
530	531	N00° 16' 20"E	10.00'
531	532	S89° 43' 40"E	27.20'
532	533	N00° 32' 30"E	193.26'
533	534	S89° 43' 40"E	10.00'
534	384	S00° 32' 30"W	203.26'

TLE COURSE TABLE - PARCELS 78, 79 & 82			
FROM PT #	TO PT #	BEARING	DISTANCE
61	380	S00° 32' 01"W	871.44'
380	390	N89° 48' 53"W	375.53'
390	544	N00° 11' 07"E	31.50'
544	392	N89° 48' 53"W	26.80'
392	540	N00° 32' 30"E	200.00'
540	541	S89° 48' 53"E	10.00'
541	542	S00° 32' 30"W	190.00'
542	543	S89° 48' 53"E	16.74'
543	544	S00° 11' 07"W	10.00'

SHEET 4.10

POINT TABLE		
POINT	Y	X
380	544434.189	817598.172
381	544435.598	817162.644
382	544467.009	817162.941
384	544467.321	817129.943
390	544435.403	817222.644
392	544466.990	817195.942
394	543998.250	817594.111
397	544400.992	817195.319
399	544430.666	817162.598
401	542075.026	817578.298
508	544005.984	817112.581
509	544005.824	817122.580
511	544004.716	817191.573
512	544004.555	817201.572
520	544005.246	817158.576
521	544051.728	817113.014
522	544051.714	817116.014
523	544382.372	817119.139
524	544382.499	817092.344
525	544392.499	817092.392
526	544392.324	817129.234
527	544051.619	817126.013
528	544051.633	817123.013
530	544467.498	817092.795
531	544477.498	817092.842
532	544477.368	817120.037
533	544670.620	817121.864
534	544670.573	817131.864
540	544666.981	817197.833
541	544666.949	817207.833
542	544476.957	817206.037
543	544476.903	817222.778
544	544466.903	817222.746
550	544400.904	817222.532
551	544390.904	817222.500
552	544390.960	817205.224

SHEET 4.11

TLE COURSE TABLE - PARCELS 83, 86, 88, 91, 93 & 96			
FROM PT #	TO PT #	BEARING	DISTANCE
61	560	N88° 50' 48"W	432.76'
560	561	S04° 03' 22"W	43.51'
561	562	S00° 32' 30"W	171.34'
562	565	S89° 27' 30"E	33.00'
565	566	S89° 27' 30"E	10.00'
566	541	S00° 32' 30"W	432.23'
541	540	N89° 48' 53"W	10.00'
540	565	N00° 32' 30"E	432.29'

TLE COURSE TABLE - PARCELS 84, 87, 89, 92, 94, 97, 98 & 99			
FROM PT #	TO PT #	BEARING	DISTANCE
61	560	N88° 50' 48"W	432.76'
560	561	S04° 03' 22"W	43.51'
561	562	S00° 32' 30"W	171.34'
562	563	N89° 27' 30"W	33.00'
563	534	S00° 32' 30"W	429.32'
534	533	N89° 43' 40"W	10.00'
533	564	N00° 32' 30"E	429.37'
564	563	S89° 27' 30"E	10.00'

SHEET 4.11

COORDINATE TABLE		
POINT	Y	X
401	542075.026	817578.298
533	544670.620	817121.864
534	544670.573	817131.864
540	544666.981	817197.833
541	544666.949	817207.833
560	545314.297	817173.618
561	545270.893	817170.540
562	545099.563	817168.920
563	545099.875	817135.922
564	545099.969	817125.922
565	545099.251	817201.919
566	545099.157	817211.918

4

4

SHEET 14 OF 14 SHEETS

REVISED: 4/16/2024

REVISION DATE	11/9/2023 N.C.	2/29/2024	4/16/2024 N.C.

DATE 8/29/2023

GRID FACTOR

SCALE, FEET 0

HWY: RACINE STREET

COUNTY: WINNEBAGO

STATE R/W PROJECT NUMBER 4992-00-59

CONSTRUCTION PROJECT NUMBER 4992-00-60

PLAT SHEET 4.14

PS&E SHEET 150

E

FILE NAME : 040114-RP.DWG
LAYOUT NAME - RW 1 IN 100 FT

PLOT DATE : 4/16/2024 8:17 AM PLOT BY : JAY PANETTI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 75

BEGIN CONSTRUCTION
STA 76+79.03
MATCH EXISTING
SAWCUT REQUIRED

BEGIN PROJECT
STA 76+84.89
Y=541429.739
X=817124.667

THIRD STREET

RACINE STREET

CITY OF MENASHA

MATCH LINE STA 79+00

LIGHT POLE TO REMAIN

TREES TO REMAIN

TREE & SHRUBS TO REMAIN

SIGN BRIDGE TO REMAIN

MENASHA UTILITIES

TRAFFIC SIGNALS AND LOOPS AT THIRD STREET TO BE REMOVED & REPLACED BY OTHERS UNDER CITY PROJECT

POTENTIAL AREA OF CONTAMINATION STA 78+00 - 78+25 8.5-FEET BGS

PRIVATE LIGHT POLES TO REMAIN

WE ENERGIES

SLOPE INTERCEPT, TYP

PRIVATE LIGHT POLE TO REMAIN

LUMEN

TACO BELL
450 THIRD ST

WALGREENS
305 RACINE ST

+66
30' CE
ASPH

EXIST R/W

TLE

ASPHALT

CONCRETE

GREASE TRAP

ASPHALT ENTRANCE

COMM VAULT

ELEC METER

TRAFFIC SIGNAL CONTROLLER

VPI STA 76+84.89
VPI EL 760.59

VPI STA 77+20.00
VPI EL 760.37

VPI STA 79+00.00
VPI EL 760.91

EXISTING R/L PROFILE

PROPOSED C/L PROFILE

-0.62%

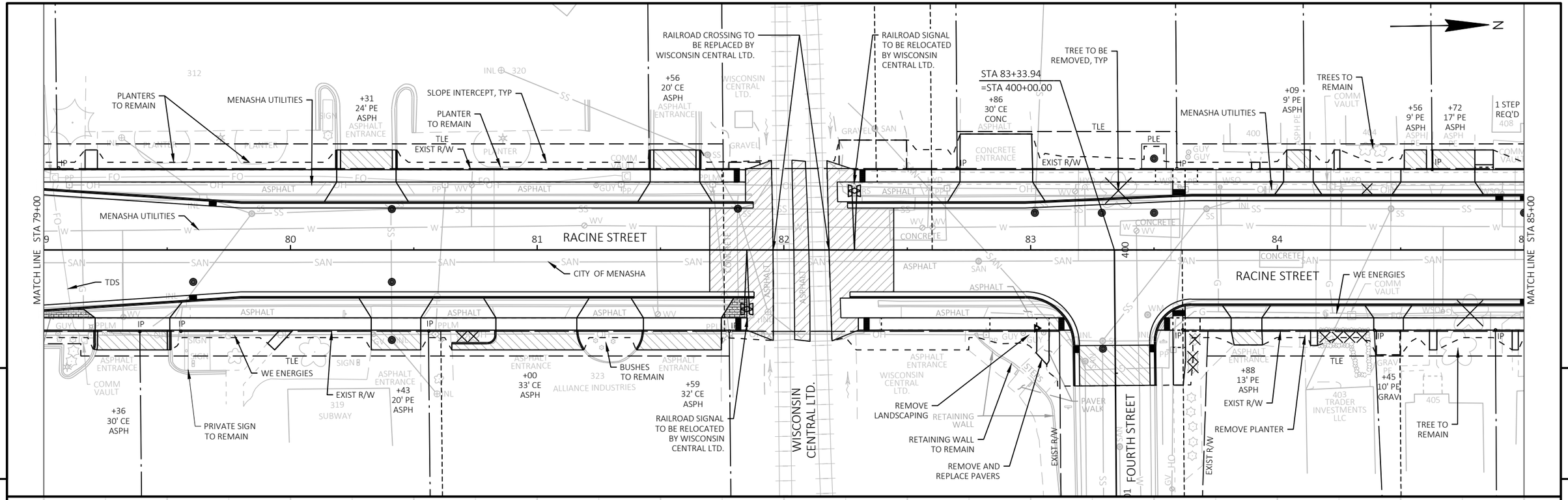
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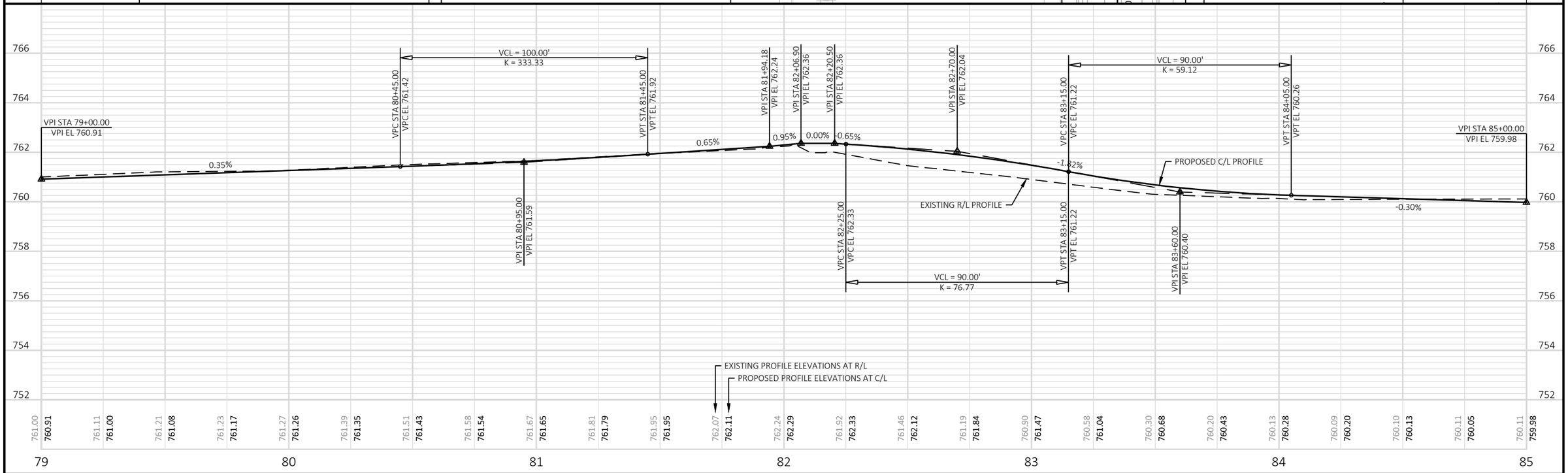
EXISTING PROFILE ELEVATIONS AT R/L

PROPOSED PROFILE ELEVATIONS AT C/L

760.63	760.52	760.49	760.46	760.38
760.51	760.46	760.53	760.53	760.55	760.61
760.68	760.68	760.81	760.76	760.90	760.83	761.00	760.91

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: RACINE STREET	SHEET 151 E



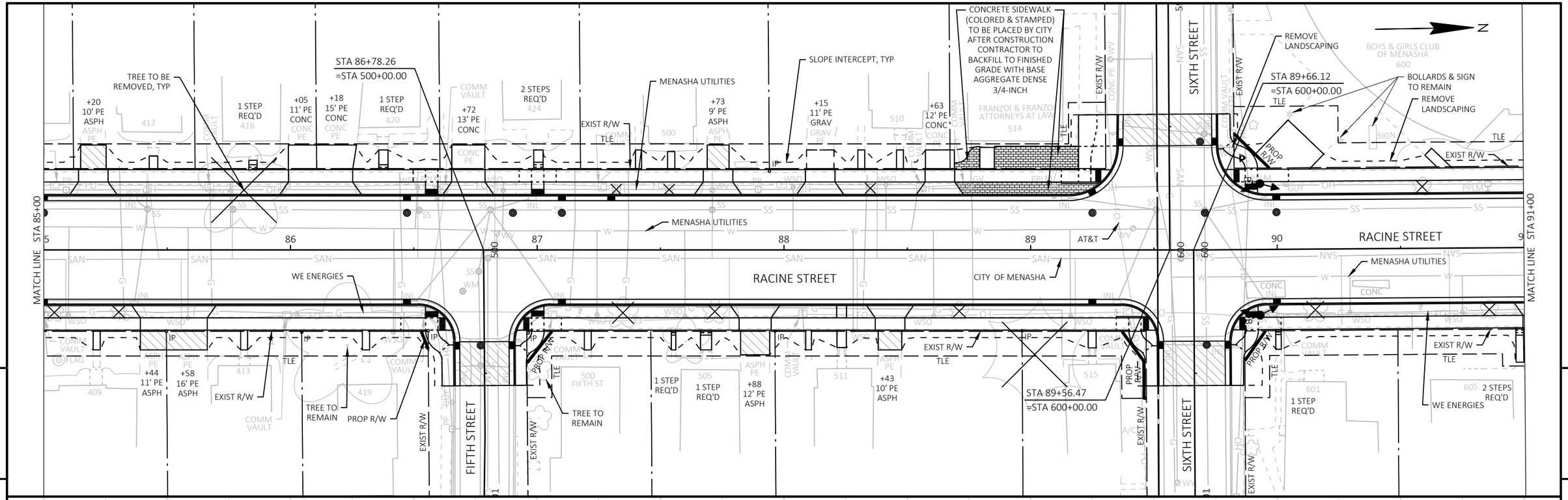


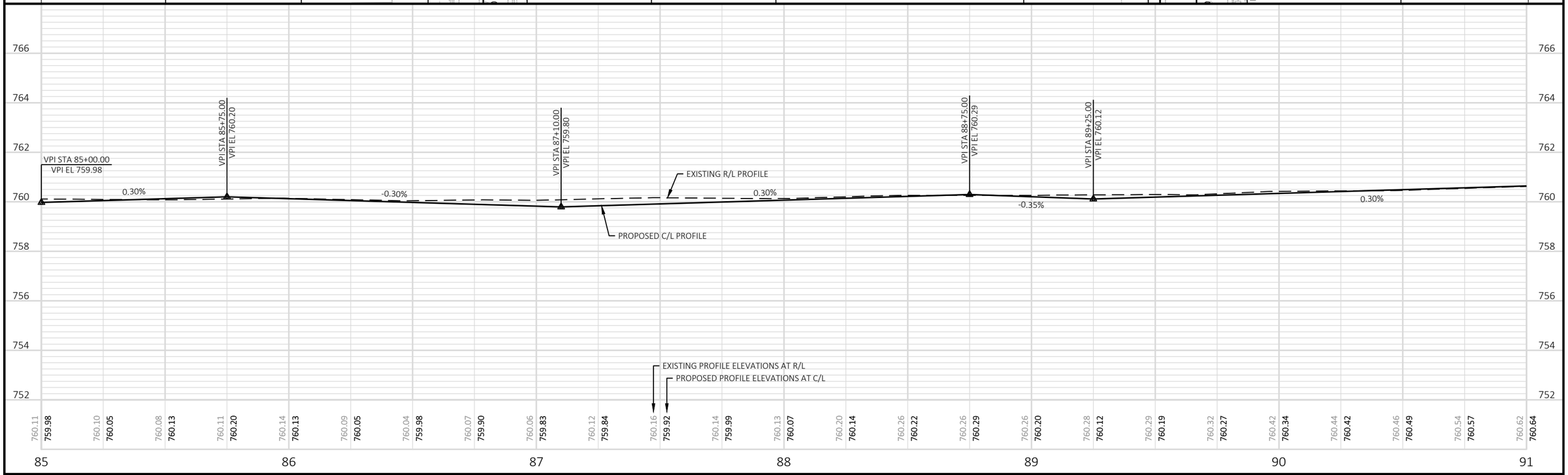
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: RACINE STREET	SHEET 152	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050101-PP.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 9/25/2024 1:38 PM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:40 FT

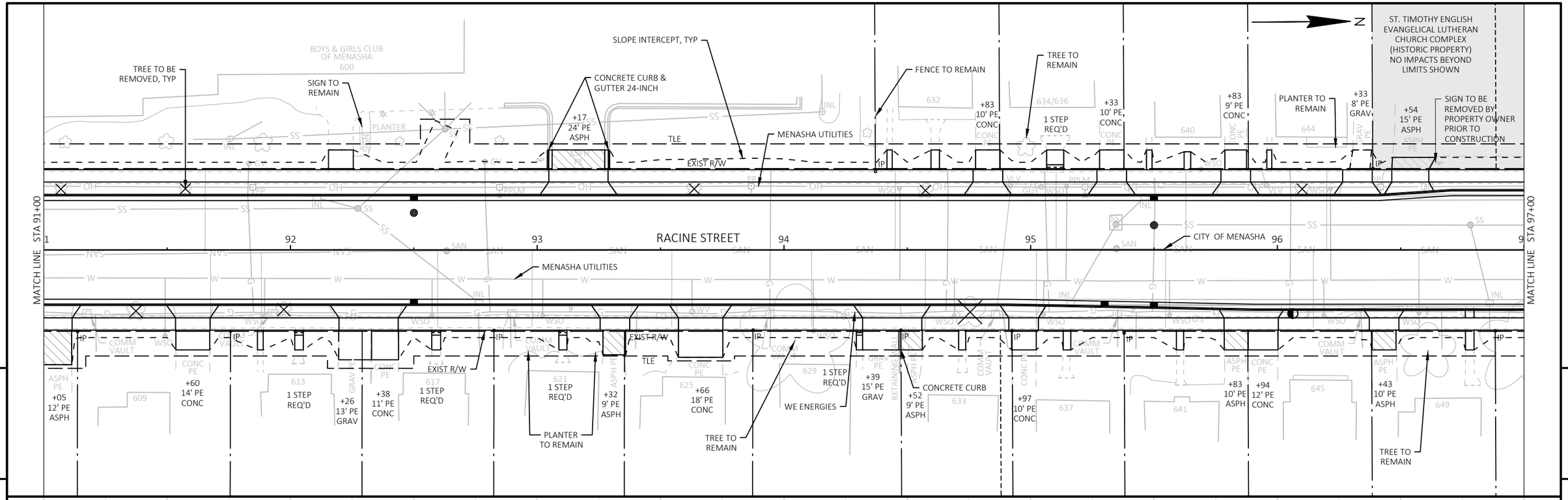
WISDOT/CADDS SHEET 44





PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: RACINE STREET	SHEET 153	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050101-PP.DWG
LAYOUT NAME - Sheet-03
PLOT DATE : 9/26/2024 2:06 PM
PLOT BY : AARON SARAUER
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

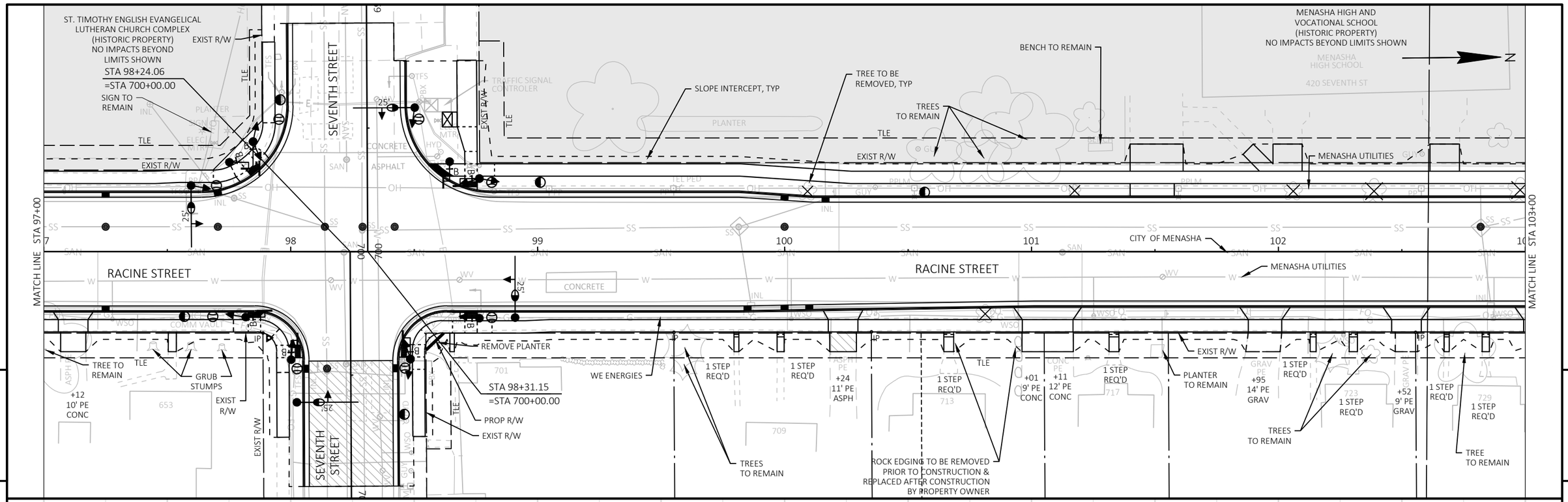


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: RACINE STREET	SHEET 154	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050101-PP.DWG
LAYOUT NAME - Sheet-04

PLOT DATE : 9/25/2024 1:39 PM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: RACINE STREET	SHEET 155	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050101-PP.DWG
LAYOUT NAME - Sheet-05

PLOT DATE : 9/25/2024 1:39 PM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MENASHA HIGH AND VOCATIONAL SCHOOL (HISTORIC PROPERTY) NO IMPACTS BEYOND LIMITS SHOWN

TREES TO REMAIN

TREE TO BE REMOVED, TYP

TREES TO REMAIN

SLOPE INTERCEPT, TYP

MENASHA UTILITIES

TREES TO REMAIN

STA 106+86.07
=STA 800+00.00

EXIST R/W

TLE

EIGHTH STREET

STA 106+91.00
=STA 800+00.00

TREE TO REMAIN

+76
9' PE
ASPH

1 STEP REQ'D

MATCH LINE STA 103+00

MATCH LINE STA 109+00

CITY OF MENASHA

RACINE STREET

MENASHA UTILITIES

+05
9' PE
GRAV

2 STEPS REQ'D

PLANTERS TO REMAIN

+57
10' PE
ASPH

+19
13' PE
GRAV

TREES TO REMAIN

CONCRETE CURB & GUTTER 12-INCH

TREE TO REMAIN

+11
19' PE
GRAV

+30
10' PE
CONC

TREE TO REMAIN

WE ENERGIES

BUSHES & TREE TO REMAIN

+93
8' PE
GRAV

+19
9' PE
CONC

+67
12' PE
ASPH

1 STEP REQ'D

EDWARD & MARY SCHRAGE HOUSE (HISTORIC PROPERTY) NO IMPACTS BEYOND LIMITS SHOWN

VPI STA 103+20.00
VPI EL 761.11

VPI STA 105+50.00
VPI EL 761.80

VPI STA 106+00.00
VPI EL 761.65

VPI STA 108+65.00
VPI EL 762.44

EXISTING R/L PROFILE

PROPOSED C/L PROFILE

0.30%

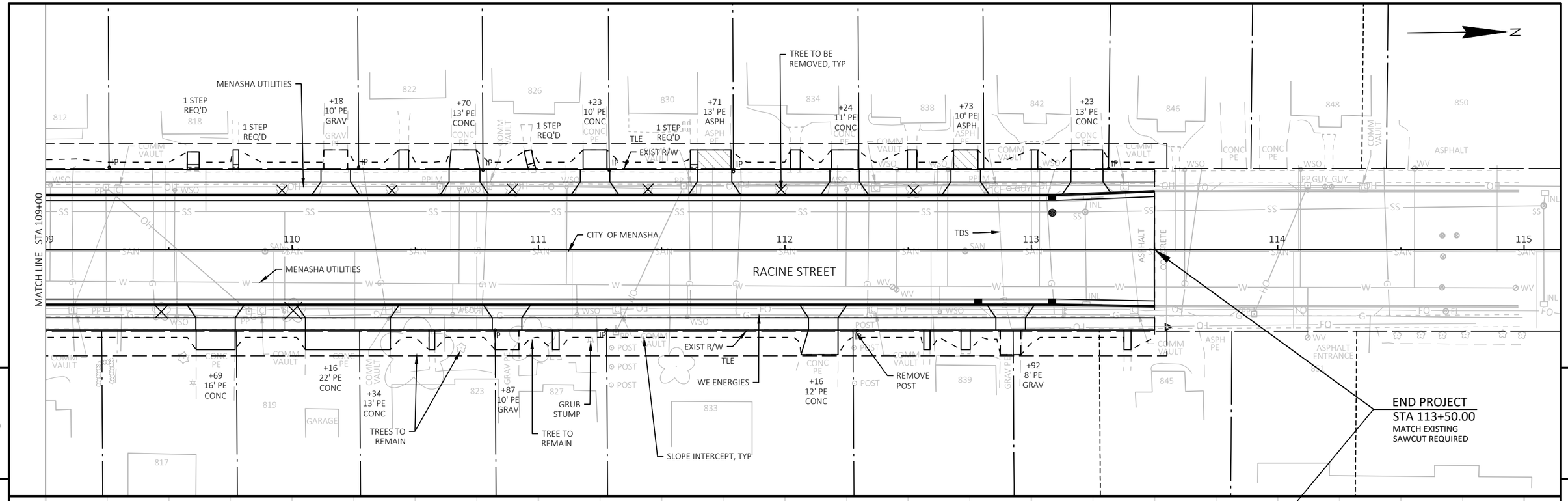
-0.30%

0.30%

EXISTING PROFILE ELEVATIONS AT R/L

PROPOSED PROFILE ELEVATIONS AT C/L

| | | |

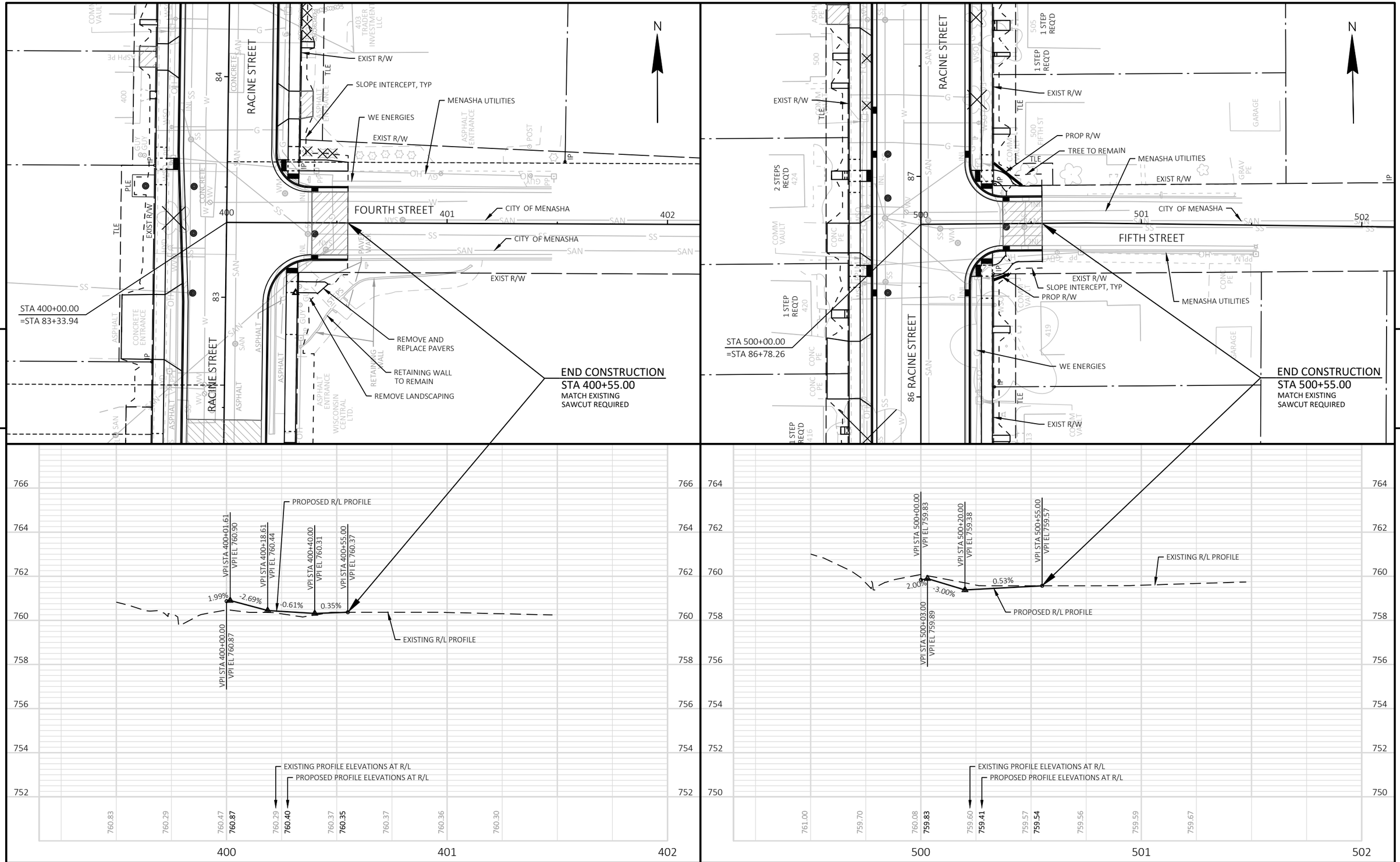


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: RACINE STREET	SHEET 157 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050101-PP.DWG
LAYOUT NAME - Sheet-07

PLOT DATE : 7/31/2024 9:17 AM PLOT BY : AARON SARAUER PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

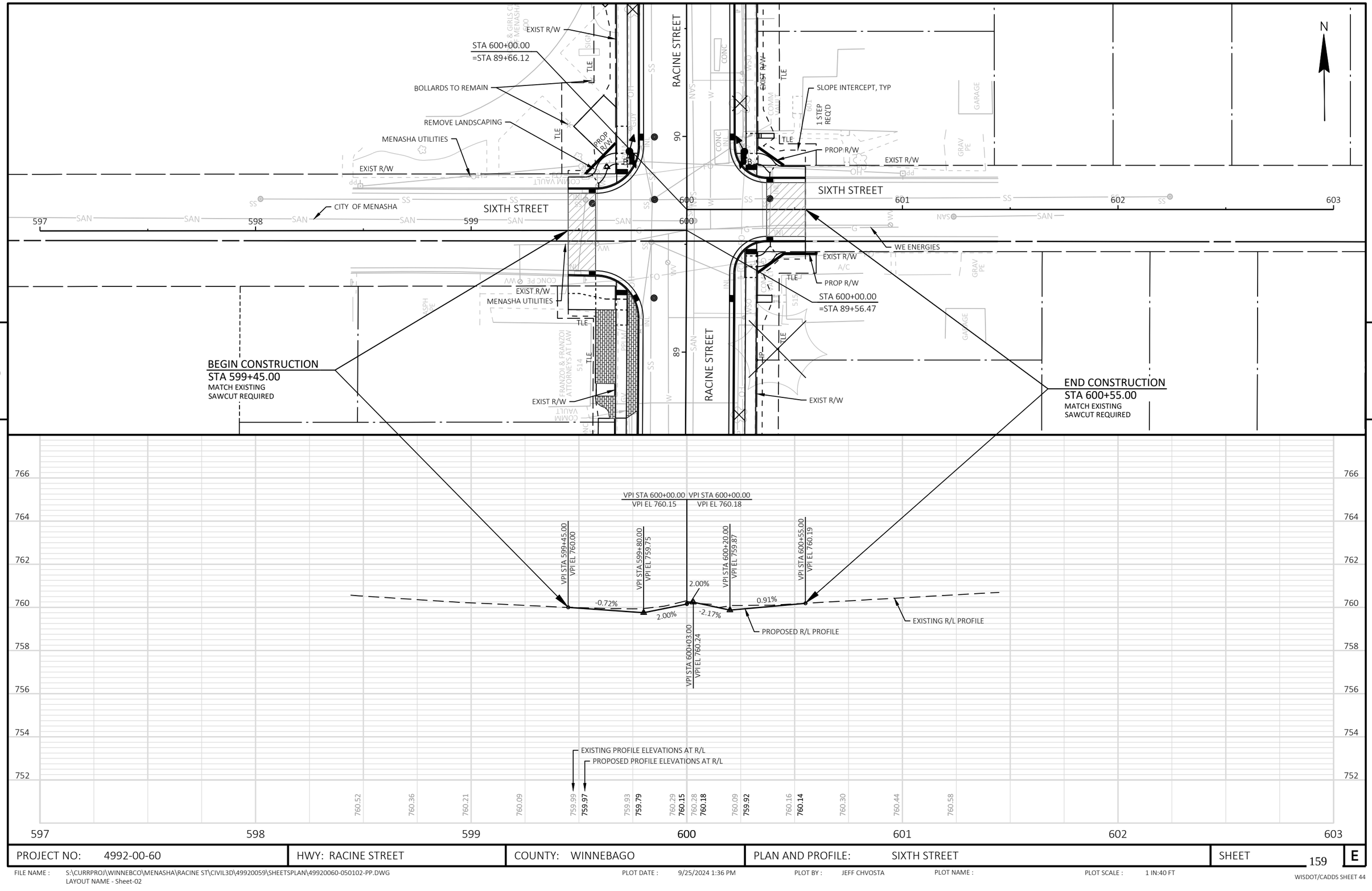


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: FOURTH STREET & FIFTH STREET	SHEET 158	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050102-PP.DWG
LAYOUT NAME - Sheet-01

PLOT DATE : 9/27/2024 8:07 AM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: SIXTH STREET	SHEET 159	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-050102-PP.DWG
LAYOUT NAME - Sheet-02

PLOT DATE : 9/25/2024 1:36 PM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MENASHA HIGH AND VOCATIONAL SCHOOL (HISTORIC PROPERTY) NO IMPACTS BEYOND LIMITS SHOWN

EXIST R/W

TLE

RACINE STREET

SEVENTH STREET

CITY OF MENASHA

BEGIN CONSTRUCTION
STA 699+07.50
MATCH EXISTING
SAWCUT REQUIRED

MENASHA UTILITIES

STA 700+00.00
=STA 98+24.06

SIGN TO REMAIN

ST. TIMOTHY ENGLISH EVANGELICAL LUTHERAN CHURCH COMPLEX (HISTORIC PROPERTY) NO IMPACTS OUTSIDE LIMITS SHOWN

STA 700+00.00
=STA 98+31.15

PROP R/W

REMOVE PLANTER

MENASHA UTILITIES

WE ENERGIES

SLOPE INTERCEPT, TYP

END CONSTRUCTION
STA 700+95.00
MATCH EXISTING
SAWCUT REQUIRED

N

5

5

VPI STA 699+07.50
VPI EL 761.11

VPI STA 699+78.00
VPI EL 760.62

VPI STA 700+00.00
VPI EL 760.87

VPI STA 700+00.00
VPI EL 760.89

VPI STA 700+05.00
VPI EL 760.94

VPI STA 700+22.00
VPI EL 760.60

VPI STA 700+95.00
VPI EL 761.15

-0.70%

1.12%

1.02%

-2.00%

0.76%

EXISTING R/L PROFILE

PROPOSED R/L PROFILE

EXISTING PROFILE ELEVATIONS AT R/L

PROPOSED PROFILE ELEVATIONS AT R/L

| | | |

N

RACINE STREET

MENASHA UTILITIES

EDWARD & MARY SCHRAGE HOUSE (HISTORIC PROPERTY) NO IMPACTS OUTSIDE LIMITS SHOWN

EXIST R/W

STA 800+00.00 =STA 106+91.00

SLOPE INTERCEPT, TYP

TLE

BUSHES & TREE TO REMAIN

CITY OF MENASHA

797 798 799 800 801 802 803

EIGHTH STREET

EIGHTH STREET

STA 800+00.00 =STA 106+86.07

BEGIN CONSTRUCTION
STA 799+35.00
MATCH EXISTING
SAWCUT REQUIRED

END CONSTRUCTION
STA 800+55.00
MATCH EXISTING
SAWCUT REQUIRED

TREES TO REMAIN

MENASHA UTILITIES

WE ENERGIES

MENASHA HIGH AND VOCATIONAL SCHOOL (HISTORIC PROPERTY) NO IMPACTS OUTSIDE LIMITS SHOWN

RACINE STREET

5

5

VPI STA 800+00.00 VPI EL 761.84

VPI STA 800+00.00 VPI EL 761.86

VPI STA 800+03.00 VPI EL 761.92

VPI STA 799+35.00 VPI EL 762.02

VPI STA 799+50.00 VPI EL 761.92

VPI STA 799+80.00 VPI EL 761.44

VPI STA 800+20.00 VPI EL 761.58

VPI STA 800+55.00 VPI EL 762.03

-0.61% -1.60% 2.00% 2.00% -2.00% 1.28%

PROPOSED R/L PROFILE

EXISTING R/L PROFILE

EXISTING PROFILE ELEVATIONS AT R/L

PROPOSED PROFILE ELEVATIONS AT R/L

768 766 764 762 760 758 756 754

761.90 762.05 762.02 761.98 **761.92** 761.62 **761.52** 762.14 **761.84** 762.14 **761.86** 761.80 **761.64** 761.99 **761.96** 762.17 762.36 762.55

797 798 799 800 801 802 803

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	PLAN AND PROFILE: EIGHTH STREET	SHEET 161	E

Standard Detail Drawing List

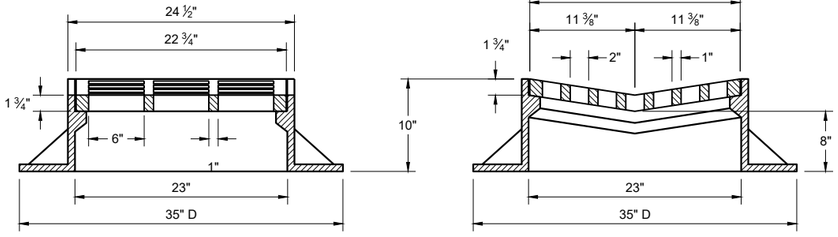
08A05-21B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-03	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C06-03	INLETS 3-FT AND 4-FT DIAMETER
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-21A	CURB RAMPS TYPES 1 AND 1-A
08D05-21B	CURB RAMPS TYPES 2 AND 3
08D05-21C	CURB RAMPS TYPES 4A AND 4A1
08D05-21D	CURB RAMPS TYPE 4B AND 4B1
08D05-21E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-21F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-21G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-04	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-04	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-12	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
11B02-02	CONCRETE MEDIAN NOSE
13B01-11A	PAVEMENT DETAILS FOR RAILROAD APPROACH
13B01-11B	TYPICAL SECTIONS FOR RAILWAY APPROACH
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C09-17A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-17C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C13-11	URBAN DOWELED CONCRETE PAVEMENT
13C18-08A	CONCRETE PAVEMENT JOINTING
13C18-08B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-08C	CONCRETE PAVEMENT JOINT TYPES
13C18-08D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-10A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-08B	MEDIAN ISLAND MARKING MEDIAN ISLAND NOSE
15C18-08C	MEDIAN PAVEMENT MARKINGS DOUBLE ARROW WARNING SIGN PLACEMENT
15C20-02	YIELD MARKING
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D20-08A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY
15D20-08B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-08C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D30-09A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

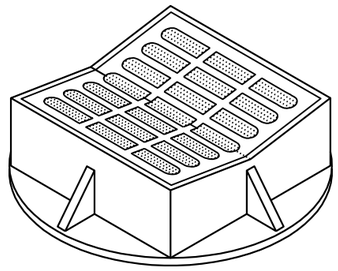
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Standard Detail Drawing List

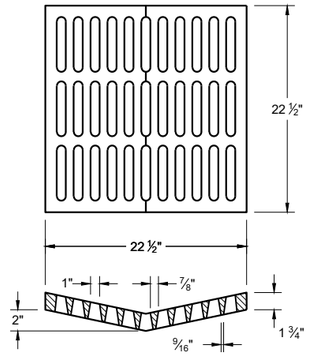
15D30-09C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-09L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D40-05A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

6





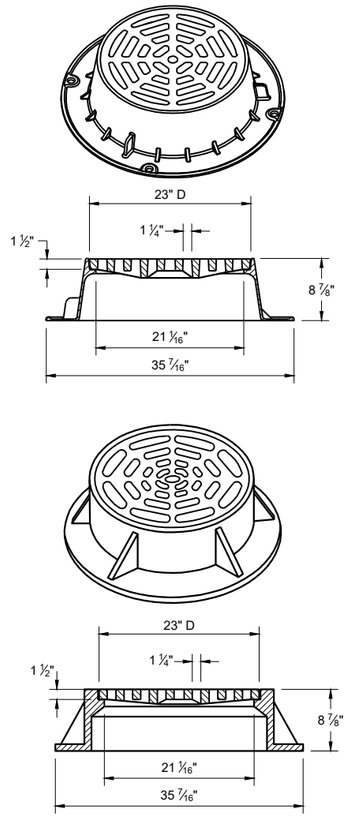
TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS POSSIBLE

NOTED AS TYPE B - A ON THE DRAINAGE TABLE



TYPE "C"

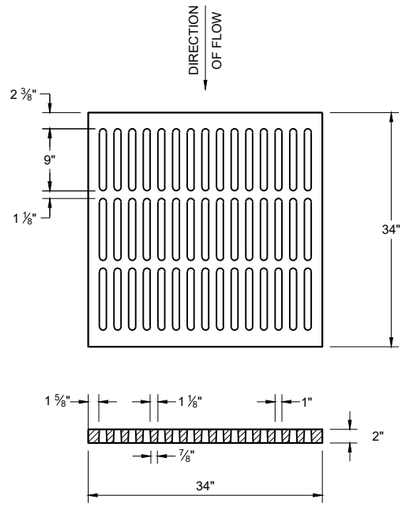
NOTE: EITHER CASTING IS ACCEPTABLE

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.

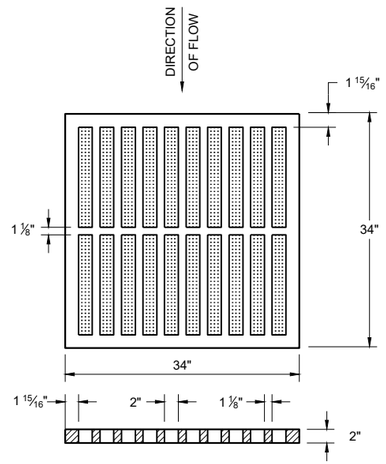
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OF BICYCLE TRAFFIC IS PERMITTED

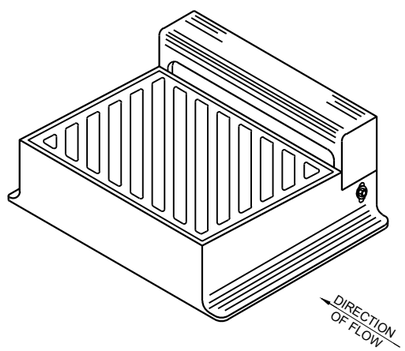
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE



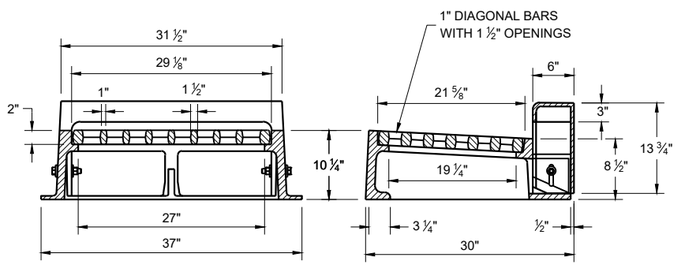
TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS

NOTED AS TYPE MS ON THE DRAINAGE TABLE



DIAGONAL SLOTS SHALL BE ORIENTEDTO THE DIRECTION OF FLOW AS ILLUSTRATED.
GRATES ARE MANUFACTURED TO BE REVERSIBLE.



TYPE "WM"

NOTE: CURB BOX HEIGHT ADJUSTABLE 6" - 9"

INLET COVERS TYPES B, B-A, C, MS, MS-A AND WM

STATE OF WISCONSIN
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/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

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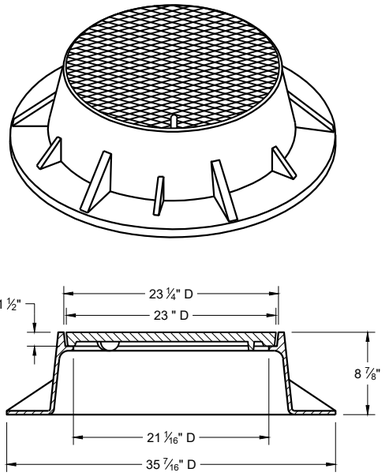
SDD 08A05-21b

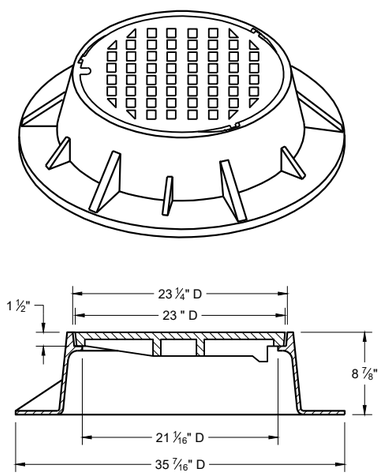
GENERAL NOTES

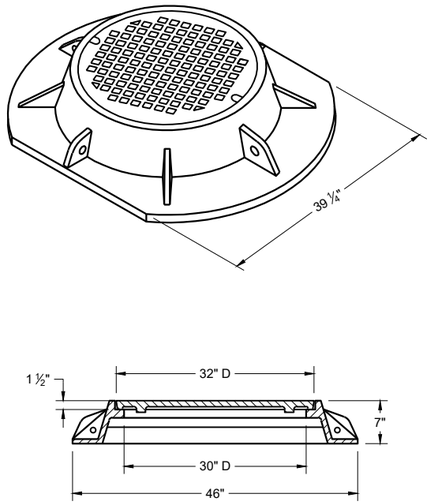
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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.

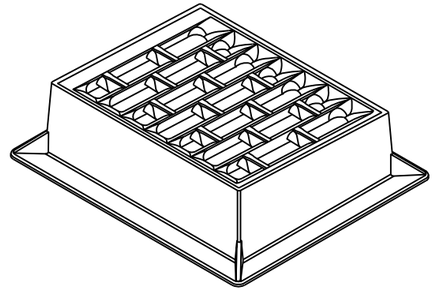
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

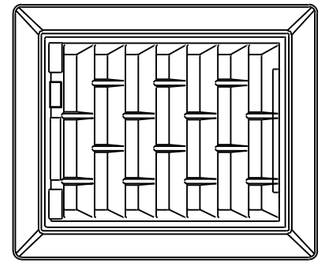


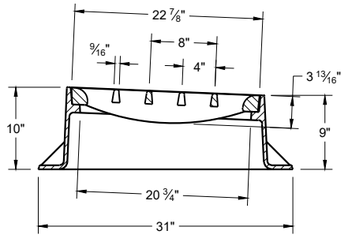


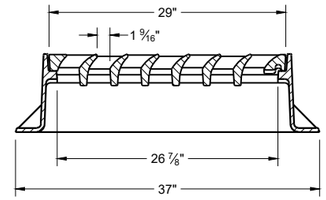


TYPE "K"

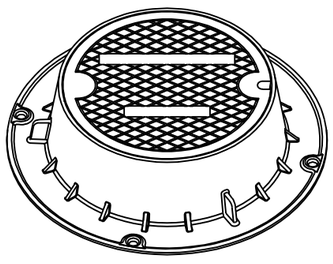


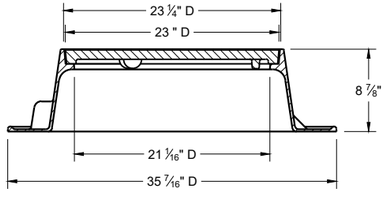






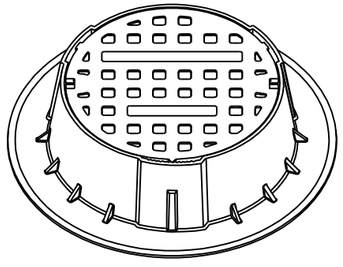
INLET COVER TYPE "BW"

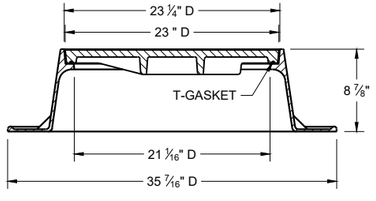




TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

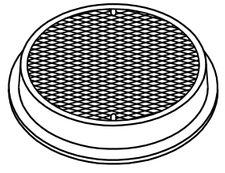


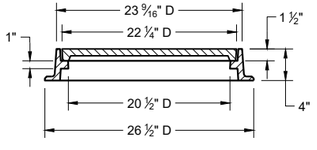


TYPE "J" SPECIAL

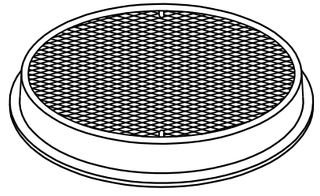
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

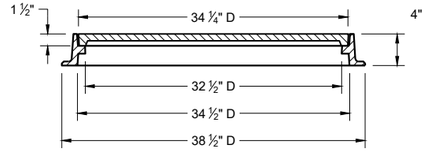
NOTE: EITHER CASTING IS ACCEPTABLE





TYPE "L"





TYPE "M"

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

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DEPARTMENT OF TRANSPORTATION

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

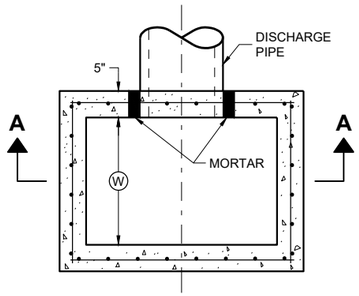
FHWA

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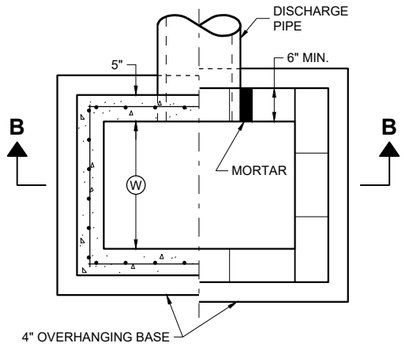
SDD 08A05-21e

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SDD 08A05-21e



PLAN VIEW



PLAN VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP N0T 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 PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES 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.

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND 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.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

(1) FOR PRECAST CATCH BASINS AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

(2) CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

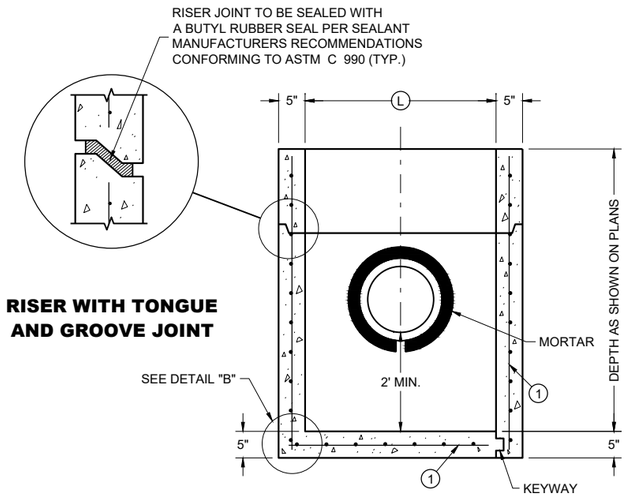
(3) 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE	
			F	ALL H'S
2 X 3-FT	2	3		X
2.5 X 3-FT	2.5	3	X	

PIPE MATRIX

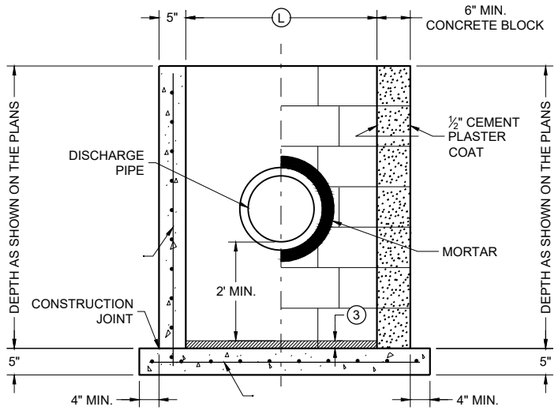
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER (IN)	
	WIDTH (W)(IN)	LENGTH (L)(IN)
2 X 3-FT	12	24
2.5 X 3-FT	18	24



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

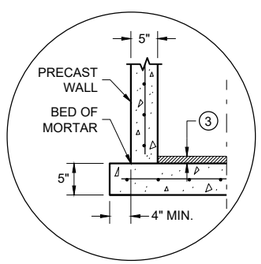
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

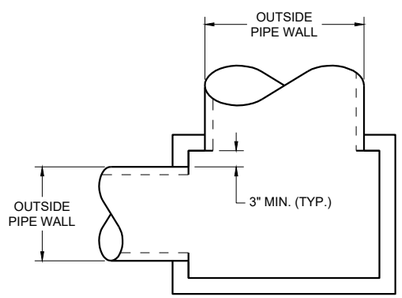
CONCRETE BLOCK ON CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

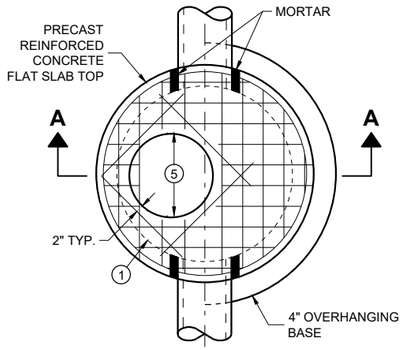
CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS
2 X 3-FT AND 2.5 X 3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

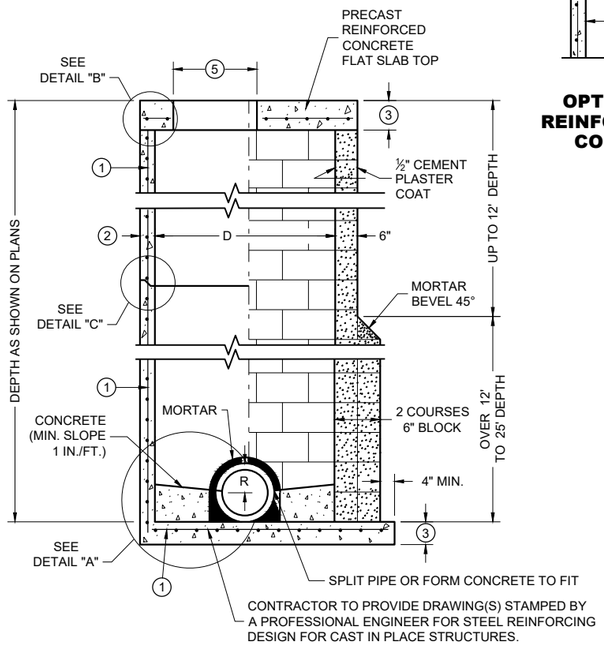
APPROVED
December 2023 — DATE
/S/ RODNEY TAYLOR — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

SDD 08A09-03



PLAN VIEW

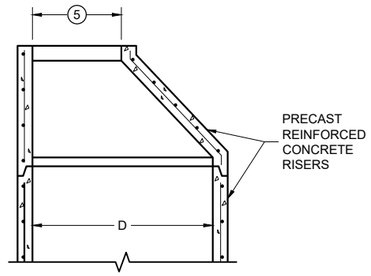
CIRCULAR OPENING



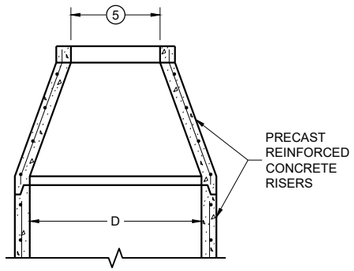
SECTION A - A

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

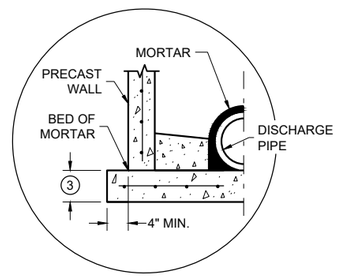
MANHOLE COVER OPENING MATRIX

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

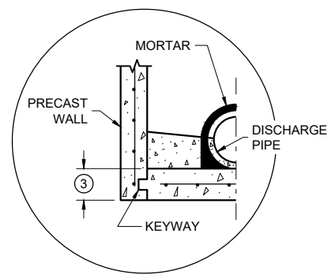
PIPE MATRIX

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.

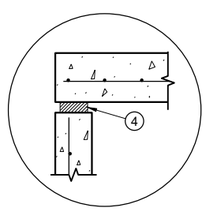


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

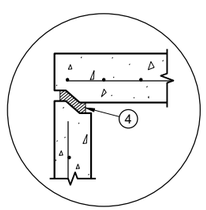


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

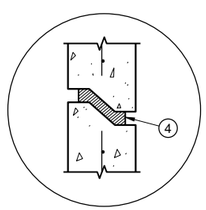
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

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".

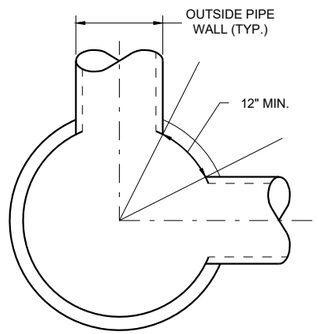
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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

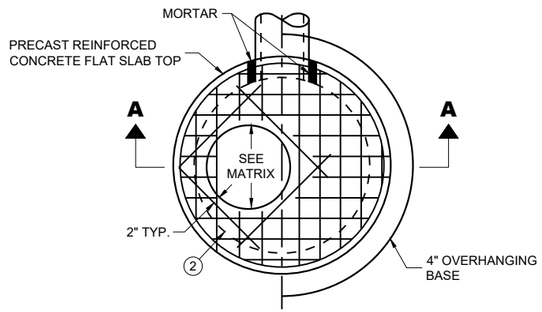
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

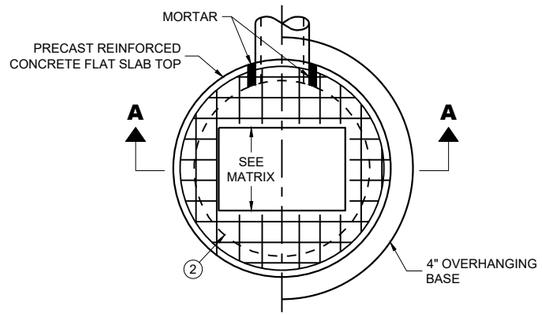
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

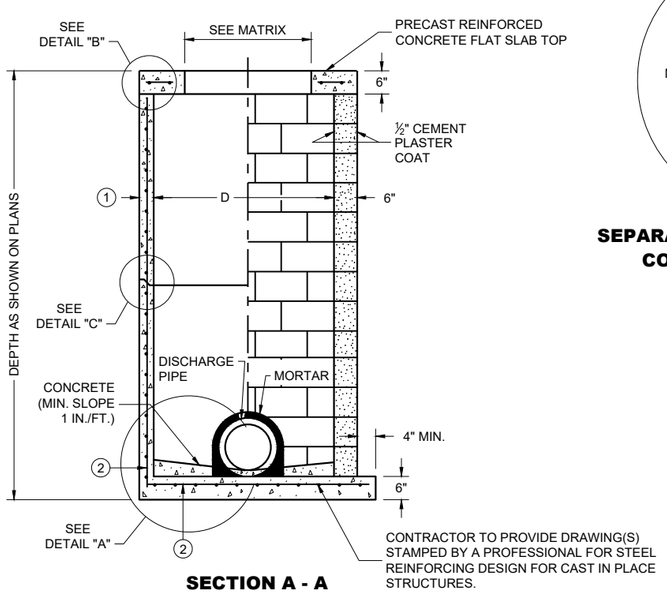
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SDD 08B09-04



PLAN VIEW CIRCULAR OPENING



PLAN VIEW RECTANGULAR OPENING



SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

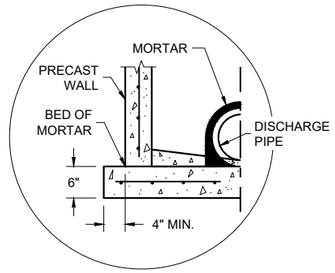
CIRCULAR INLETS WITH FLAT TOP

CATCH BASIN COVER OPENING MATRIX

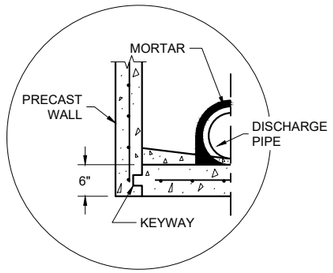
INLET SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT.)											
3-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
4-FT	2 DIA.				X							X
	2 X 2	X	X					X		X		
	2 X 2.5			X				X	X	X	X	
	2 X 3						X					
	2.5 X 3					X						

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

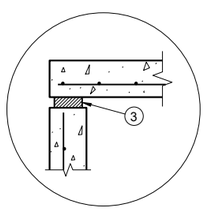


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

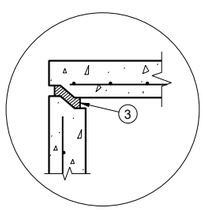


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

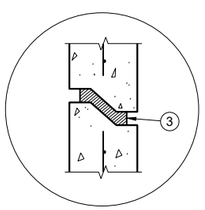
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

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

INLETS 3-FT AND 4-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.

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

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

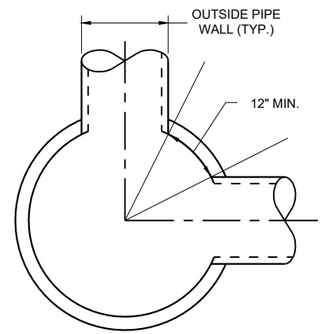
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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 DIAMETER AND 5 INCHES FOR 4-FT DIAMTER PRECAST INLETS.

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

(3) 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.



MINIMUM HORIZONTAL PIPE SEPARATION

DETAIL "D"

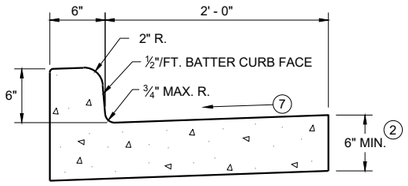
INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

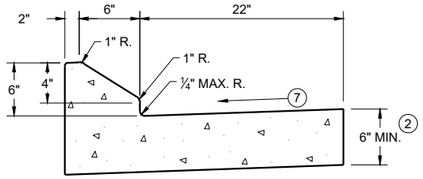
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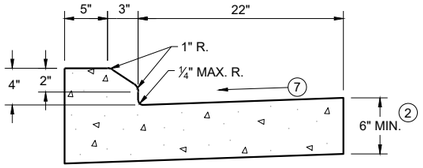
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SDD 08C06-03



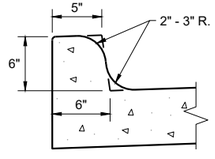
TYPES A (1) & D



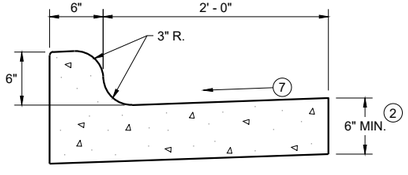
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

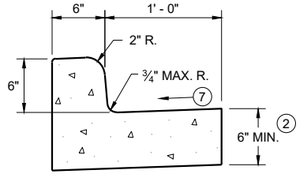


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



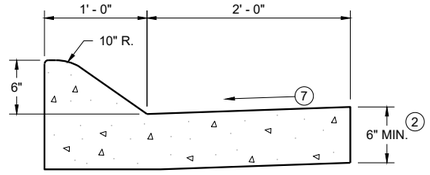
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

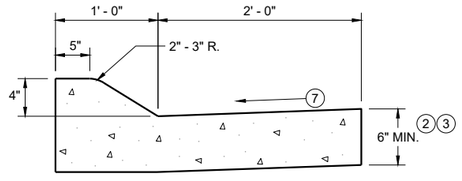


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

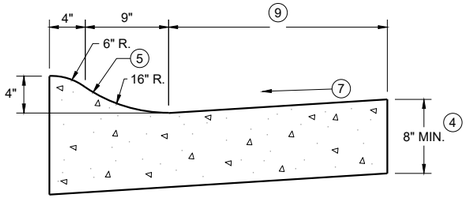


6" SLOPED CURB TYPES A (1) & D



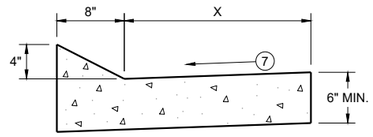
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

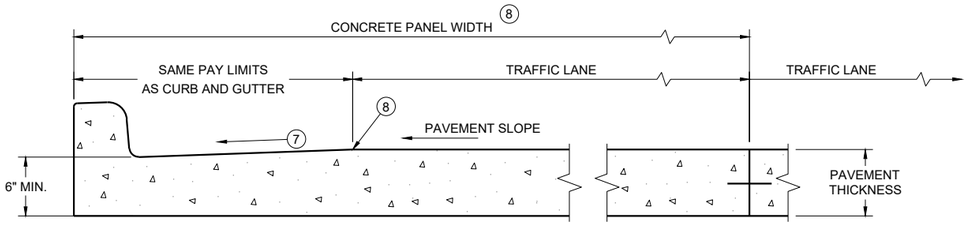


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

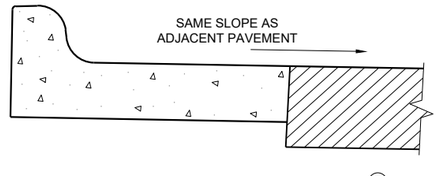
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

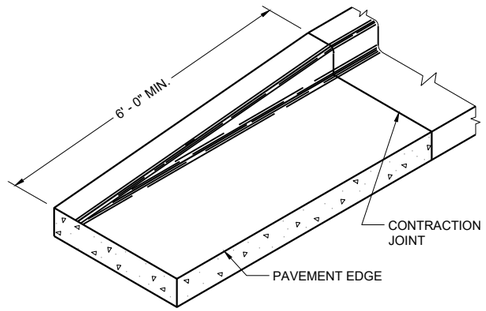
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

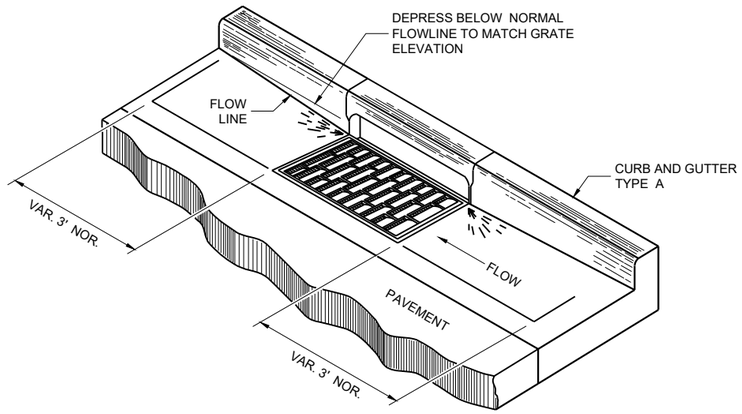
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 08D01-23a

6



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.

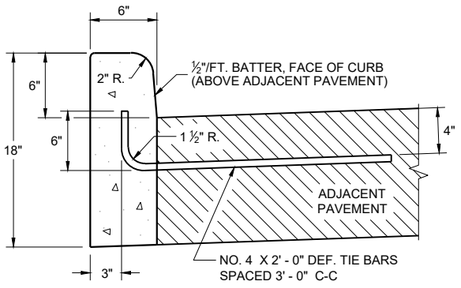
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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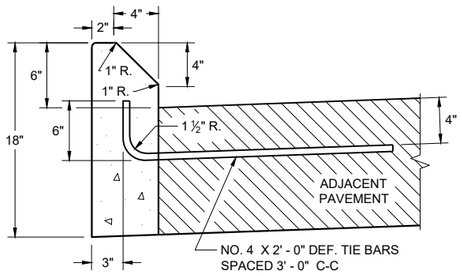
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(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.

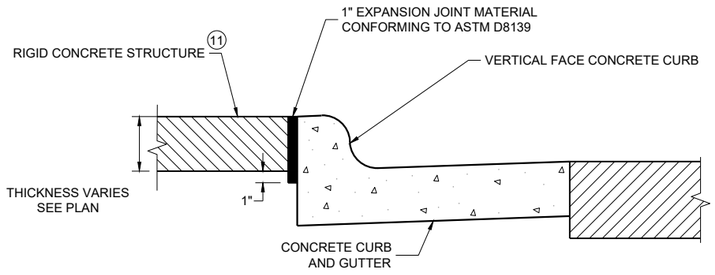


TYPES A (1) & D

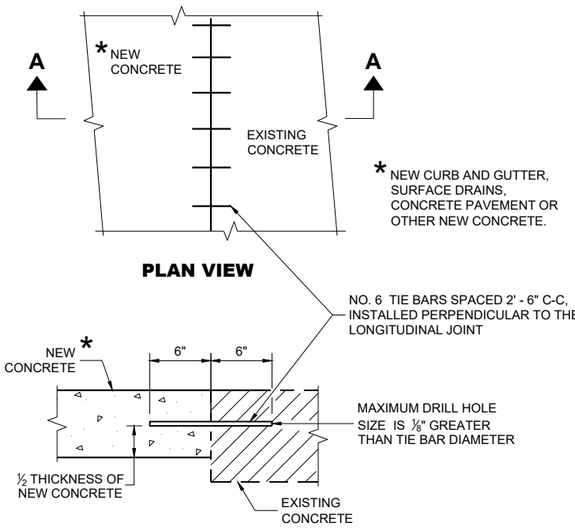


TYPES G (1) & J

CONCRETE CURB



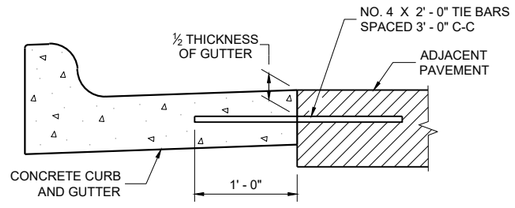
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



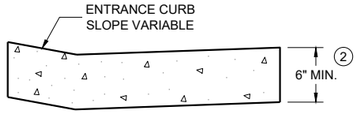
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

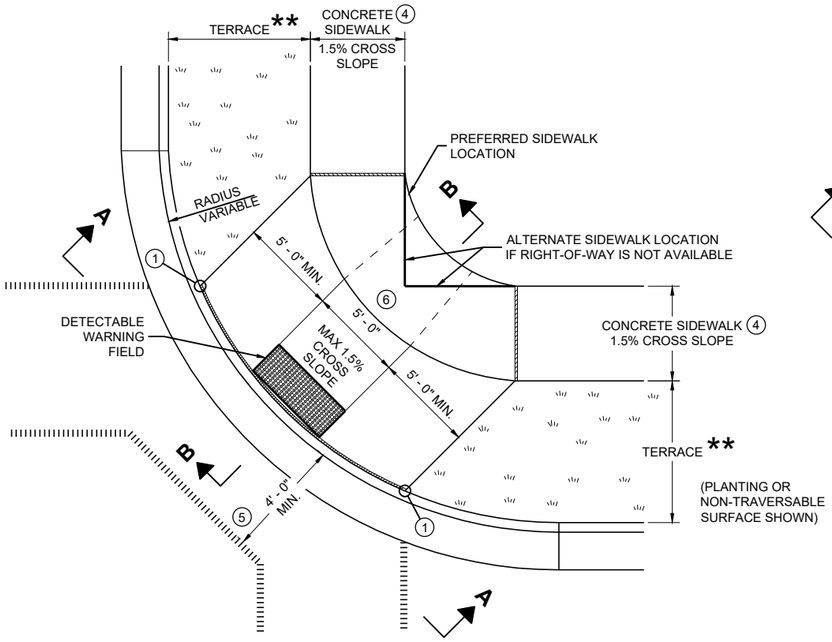
CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

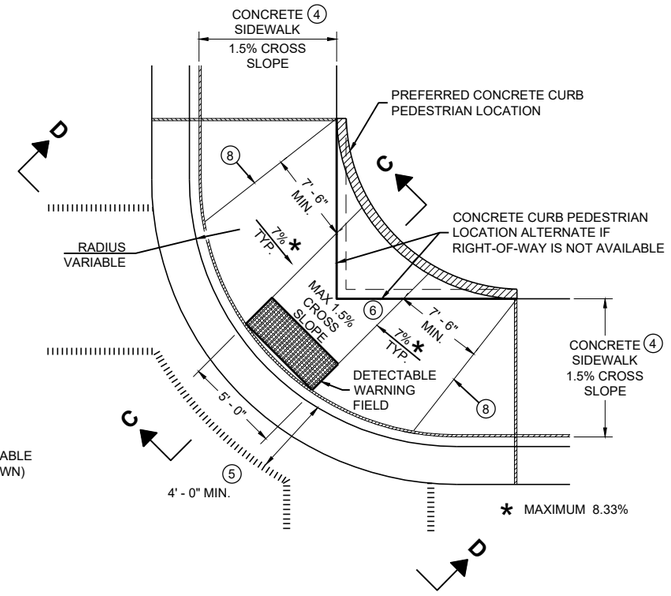
6
SDD 08D01-23b



PLAN VIEW

CURB RAMP TYPE 1

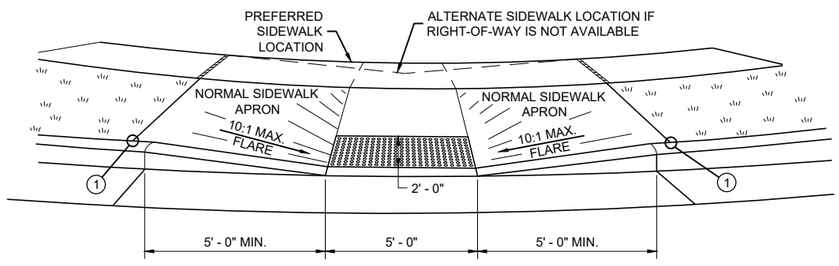
(CENTER OF CORNER RADIUS)



PLAN VIEW

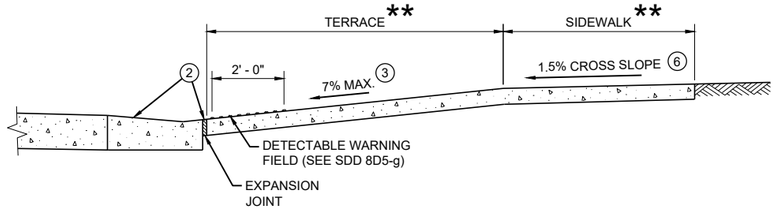
CURB RAMP TYPE 1 - A

(NO TERRACE)

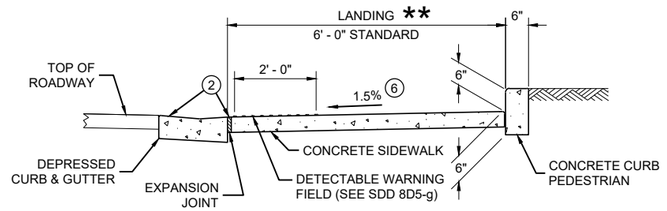


VIEW A - A FOR TYPE 1

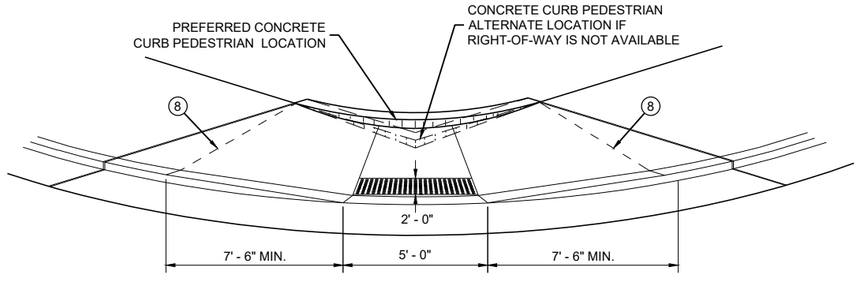
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

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

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF 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 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA. 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

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

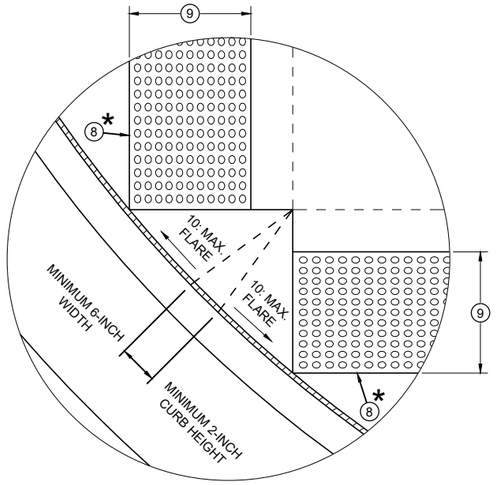
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

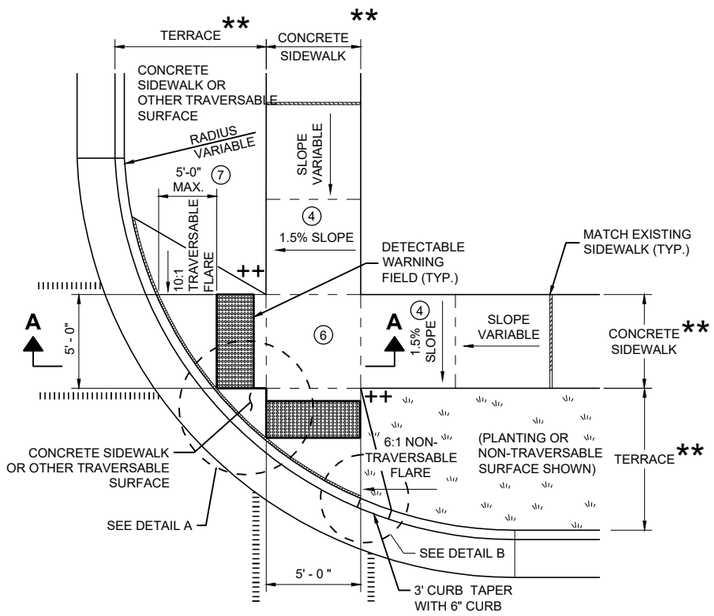
CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

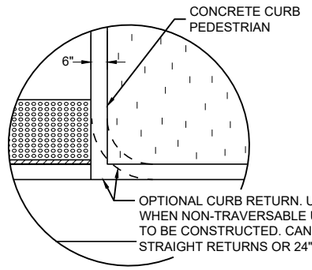
6
SDD 08D05-21a



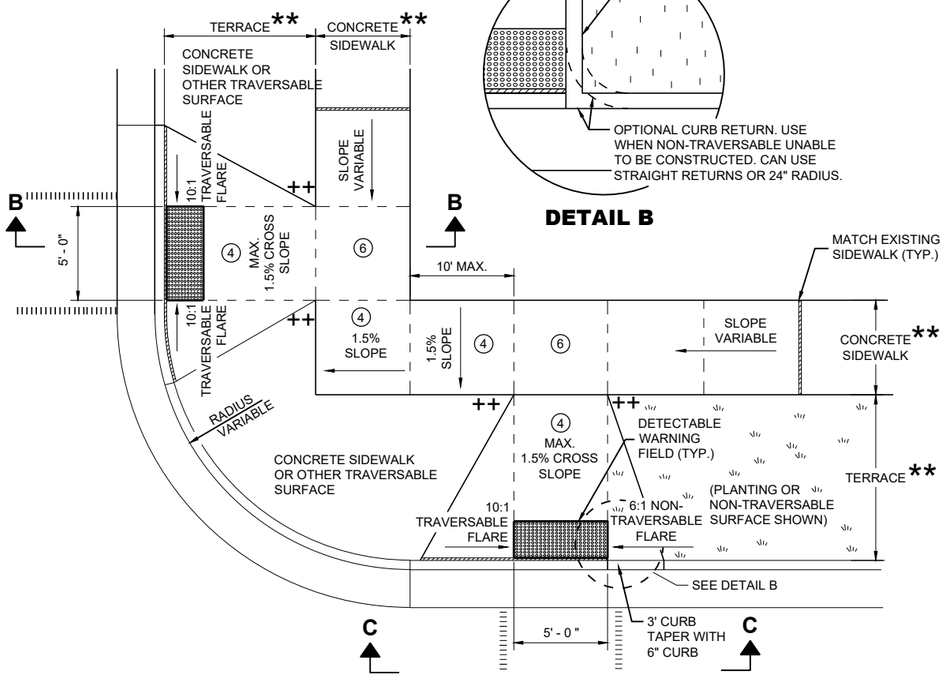
DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

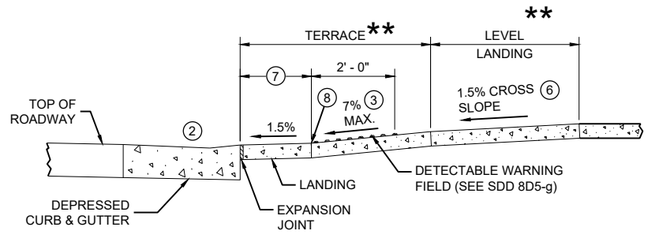
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(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% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

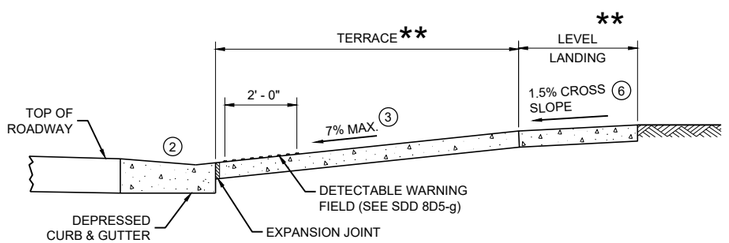


SECTION A - A FOR TYPE 2

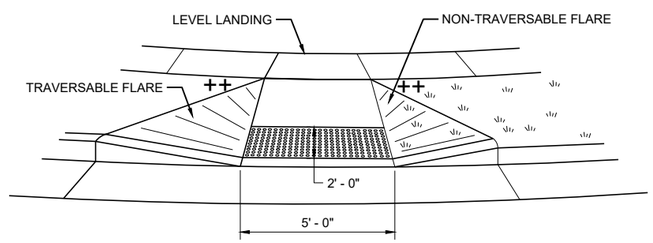
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



SECTION B - B FOR TYPE 3



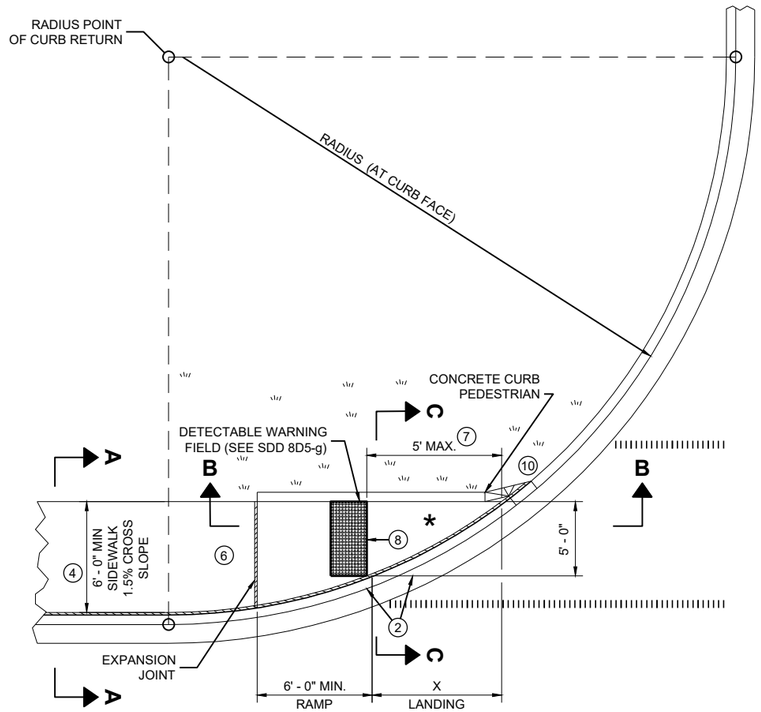
VIEW C - C FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

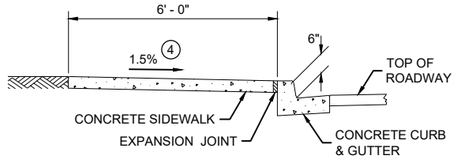


PLAN VIEW

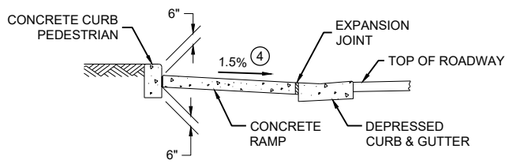
CURB RAMP TYPE 4A

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

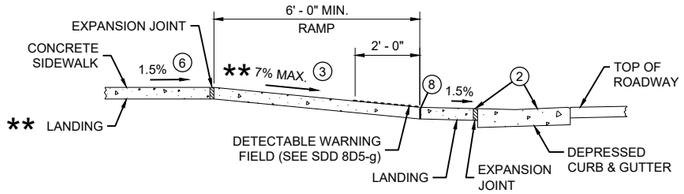
INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A



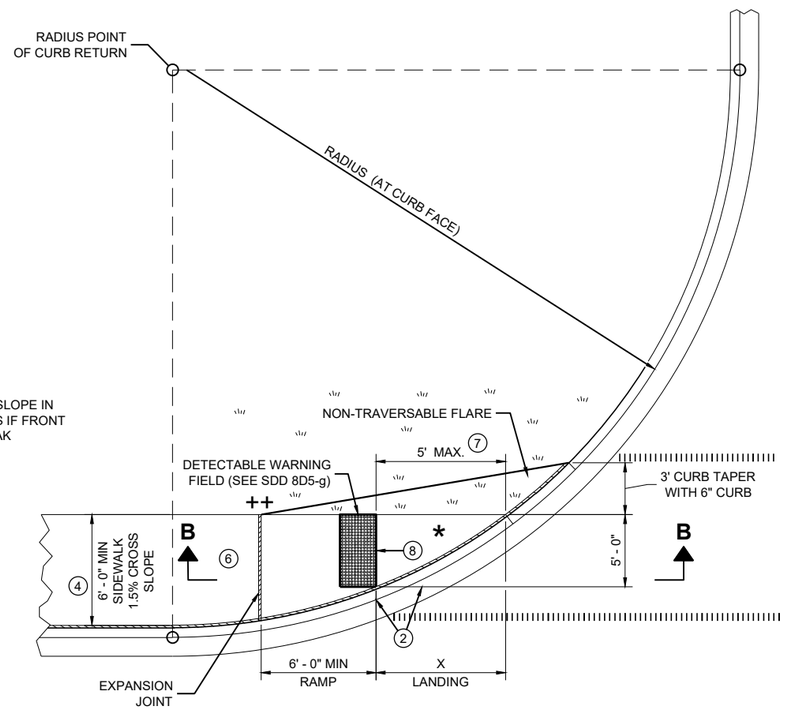
SECTION C - C FOR TYPE 4A



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

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

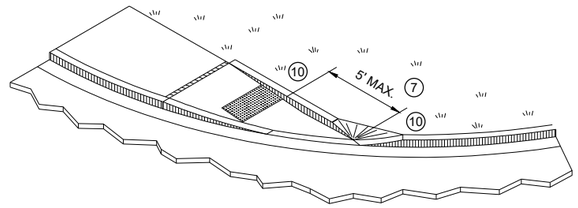
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK



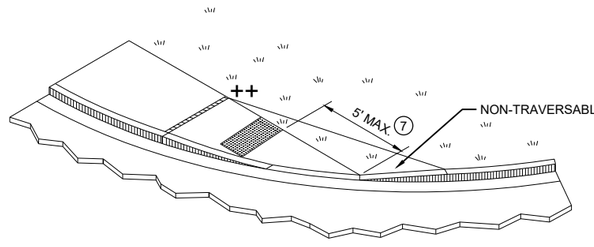
PLAN VIEW

CURB RAMP TYPE 4A1

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(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.

LEGEND

½" EXPANSION JOINT SIDEWALK

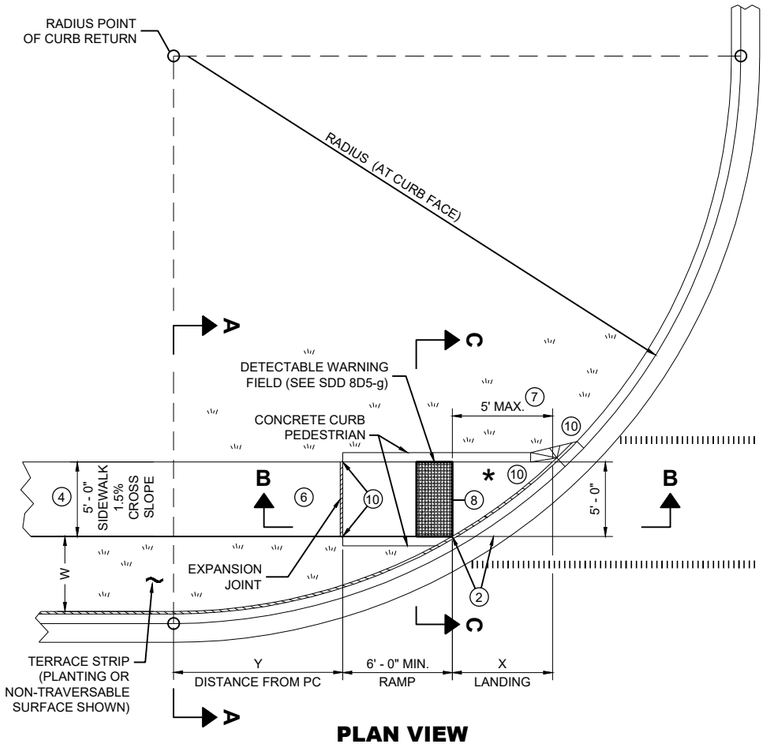
CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-21c



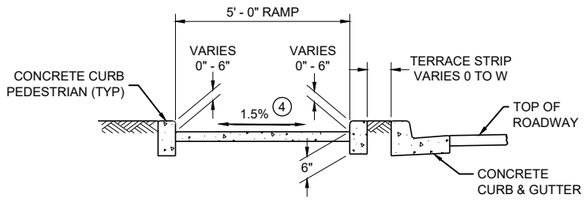
PLAN VIEW
CURB RAMP TYPE 4B

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 1/4"	0' - 5"	2' - 1"	1' - 4 1/2"	1' - 5"	2' - 1"	0' - 10"	2' - 7 1/2"	0' - 3 1/4"	3' - 0 1/4"						
15 FEET	4' - 6 3/4"	2' - 1 3/4"	3' - 9"	3' - 5 3/4"	3' - 1 1/4"	4' - 6"	2' - 6 3/4"	5' - 4 1/2"	2' - 1"	6' - 1"	1' - 8"	6' - 8 1/2"	1' - 3 1/4"	7' - 2 1/2"	0' - 10 3/4"	7' - 7 1/4"
20 FEET			4' - 11 1/2"	5' - 1 3/4"	4' - 3 1/4"	6' - 5 1/2"	3' - 8 3/4"	7' - 7"	3' - 3"	8' - 6 1/2"	2' - 10"	9' - 4 1/2"	2' - 5 1/2"	10' - 1 1/4"	2' - 1 1/4"	10' - 9"
30 FEET									4' - 10 3/4"	12' - 5 3/4"	4' - 5 1/2"	13' - 7 3/4"	4' - 0 3/4"	14' - 8 1/2"	3' - 8 1/2"	15' - 8 1/4"
40 FEET															4' - 10 3/4"	19' - 8 1/4"

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

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C - C FOR TYPE 4B

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

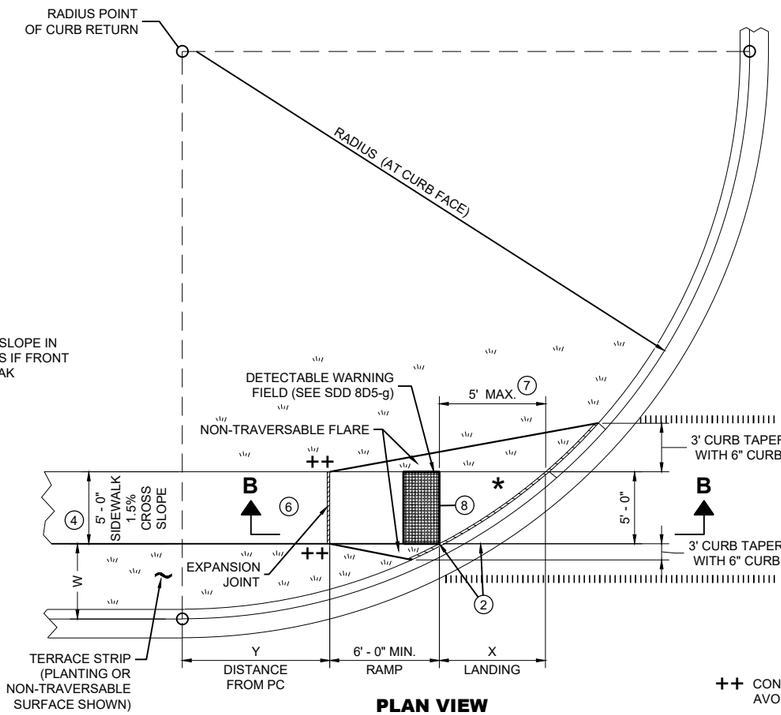
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

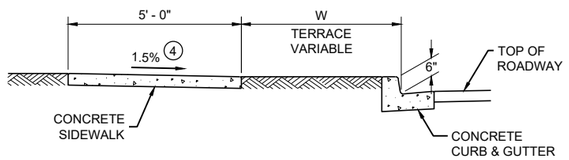
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

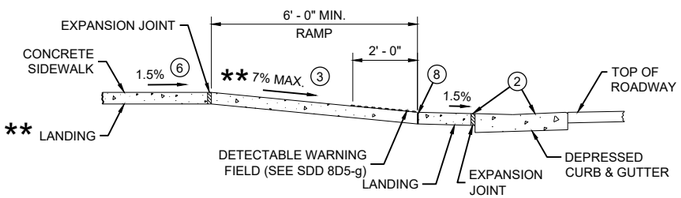
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



PLAN VIEW
CURB RAMP TYPE 4B1



SECTION A - A FOR TYPE 4B

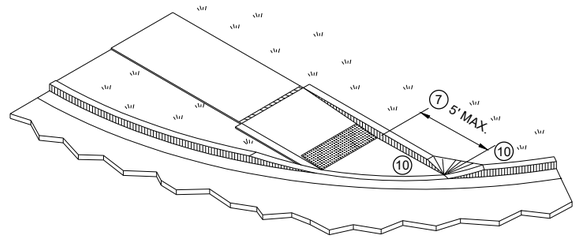


SECTION B - B FOR TYPE 4B AND TYPE 4B1

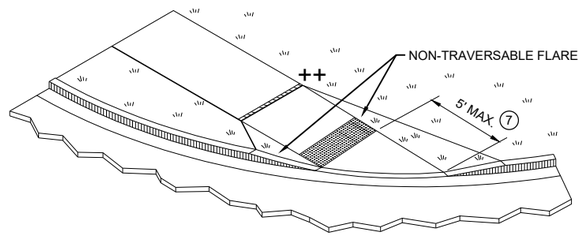
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



ISOMETRIC VIEW FOR TYPE 4B



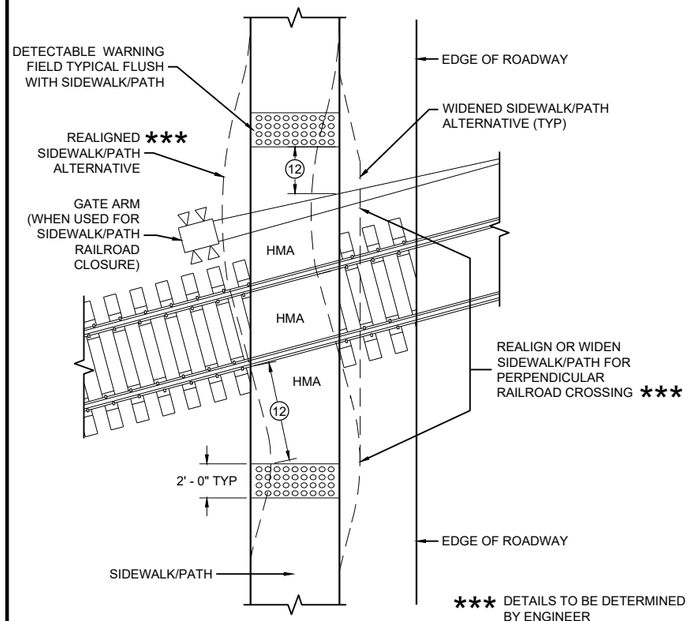
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

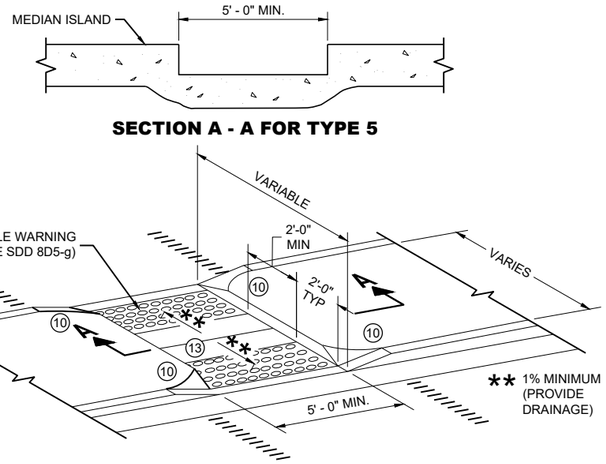
6

SDD 08D05-21d



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 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%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

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

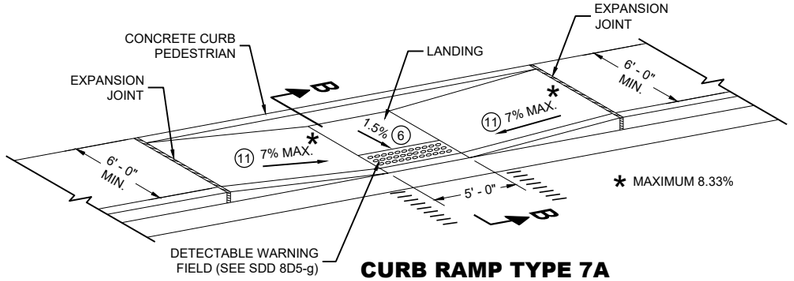
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(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.

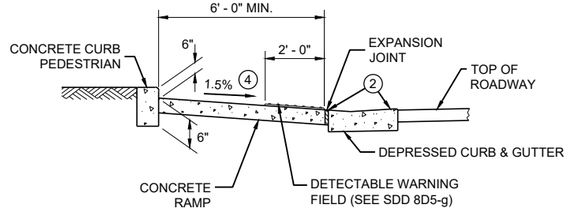
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

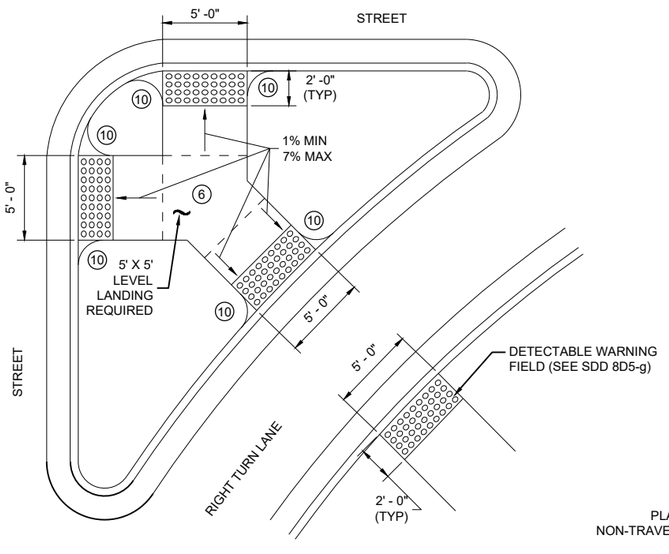


CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS



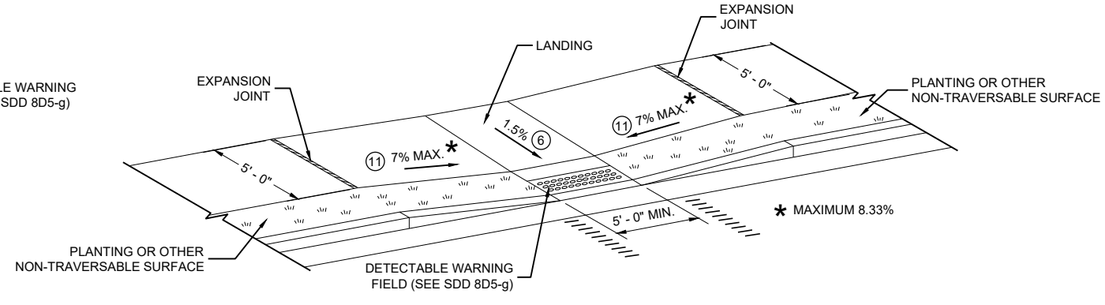
SECTION B - B FOR TYPE 7A



CURB RAMP TYPE 6

DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7B

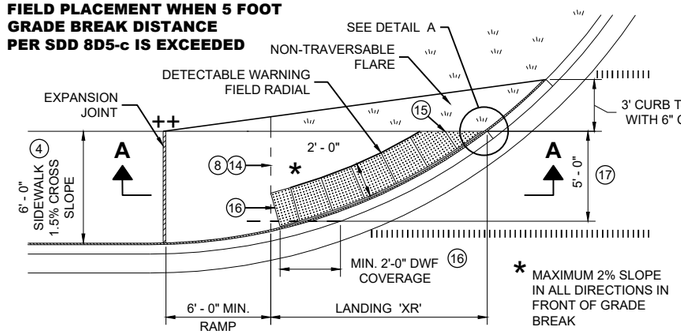
FOR INTERSECTIONS AND MID BLOCK CROSSINGS

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

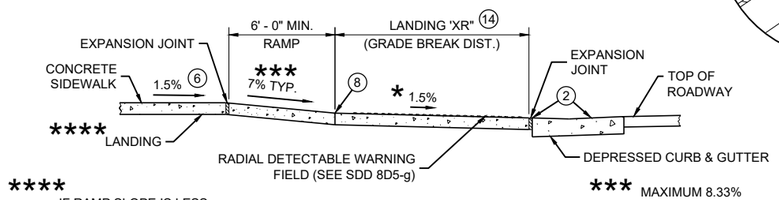
SDD 08D05-21e

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

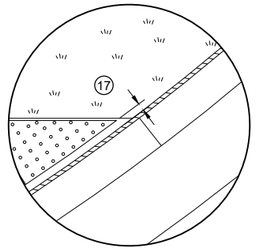


PLAN VIEW

CURB RAMP TYPE 4A1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF 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 FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

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

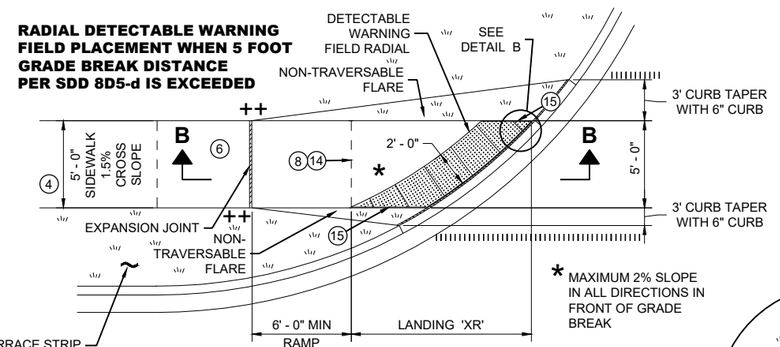
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(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.

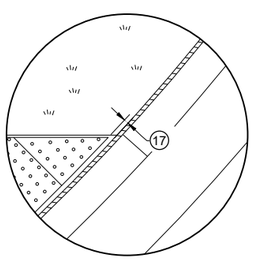
(17) A MAXIMUM 3 INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

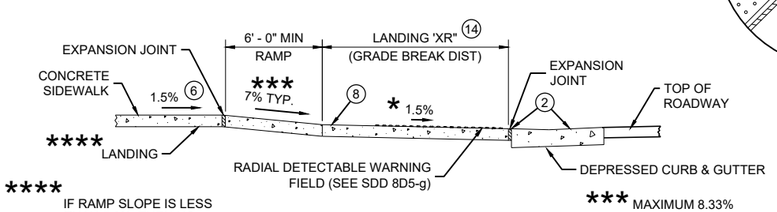


PLAN VIEW

CURB RAMP TYPE 4B1
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

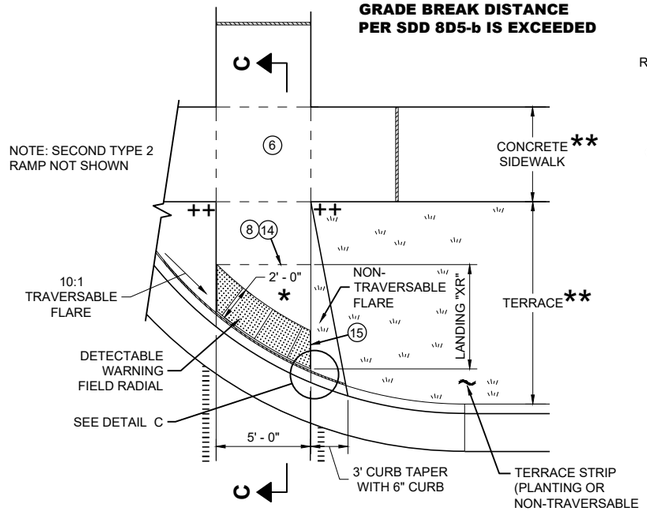


DETAIL B



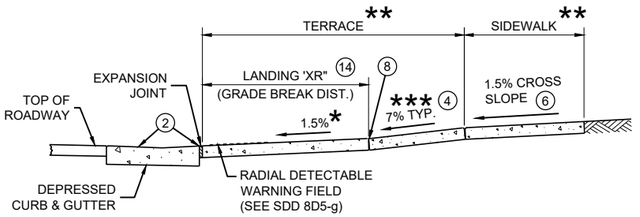
SECTION B - B FOR TYPE 4B1

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

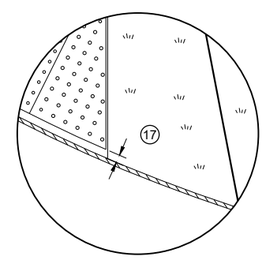


PLAN VIEW

CURB RAMP TYPE 2
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2



DETAIL C

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS
RADIAL DETECTABLE WARNING

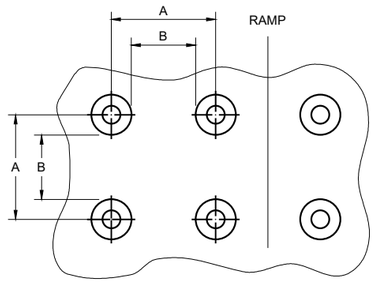
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

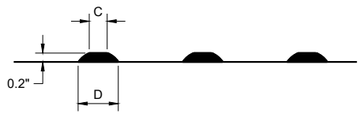
SDD 08D05-21f

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

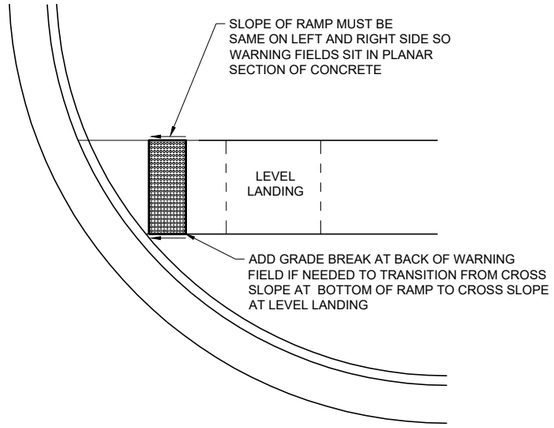
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



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.

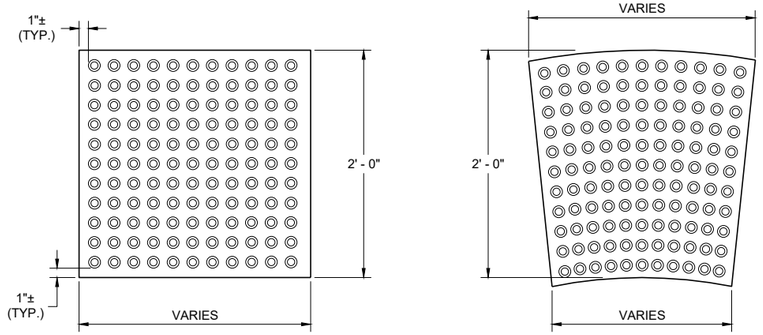
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE.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

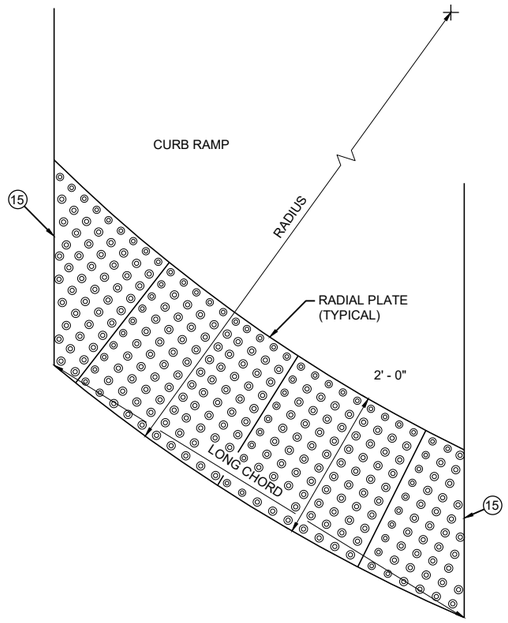
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



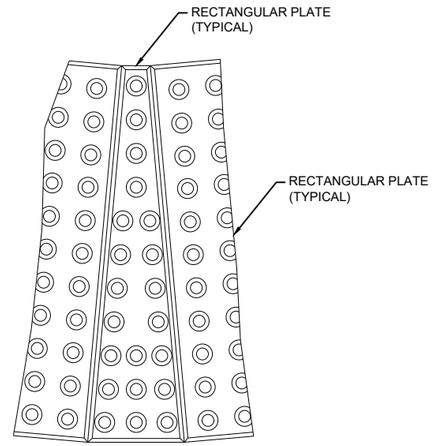
RECTANGULAR PLATES

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

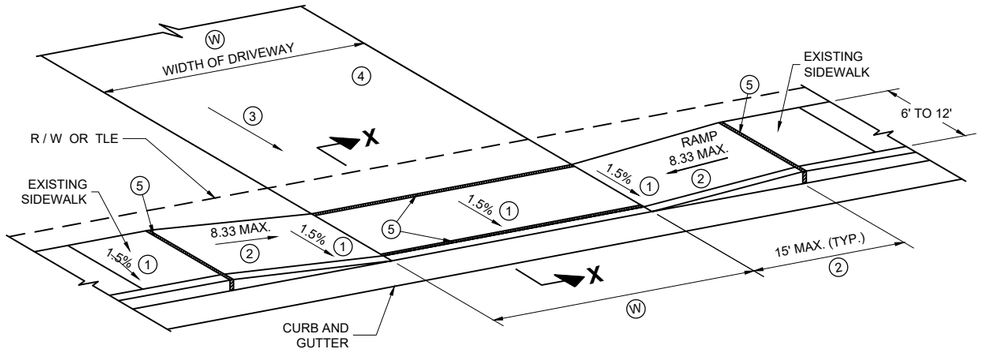
APPROVED

July 2023 — DATE

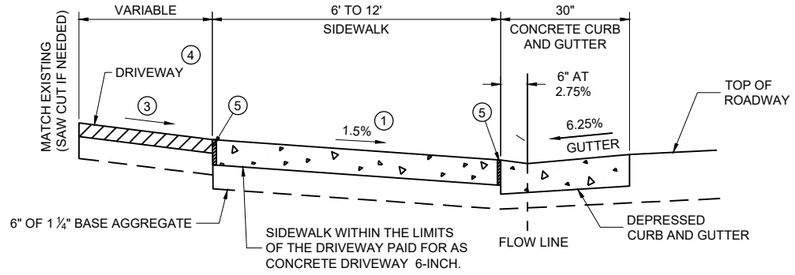
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

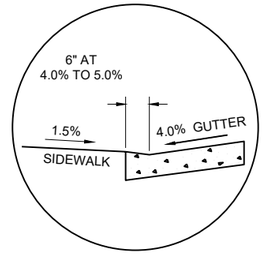
6
SDD 08D05-21g



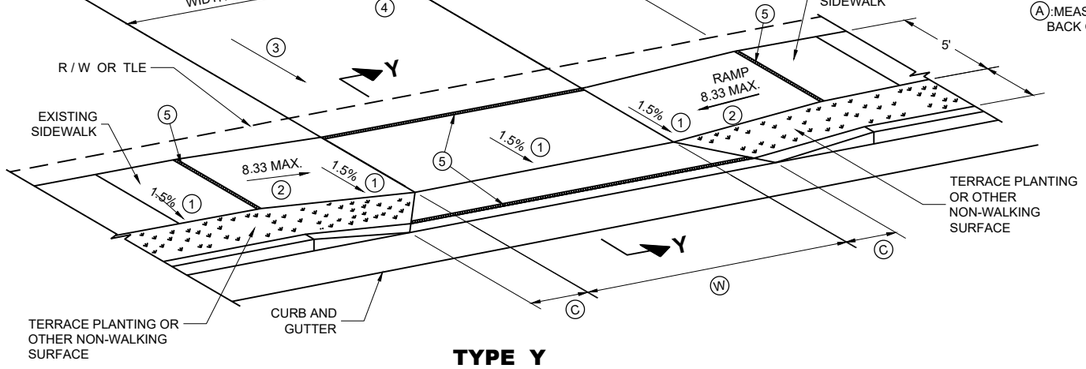
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X - X



SECTION X - X
4% GUTTER SLOPE



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

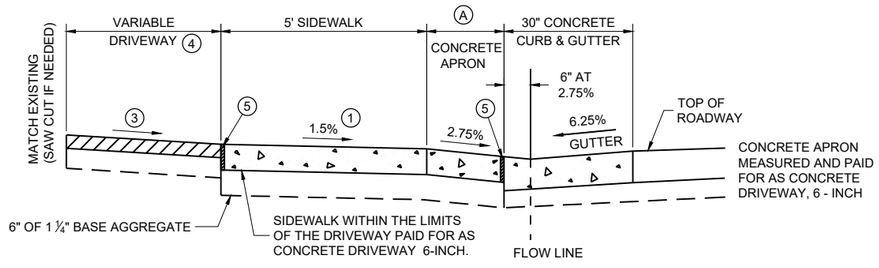
Ⓦ: 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

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

Ⓐ:MEASURE FROM BACK OF CURB

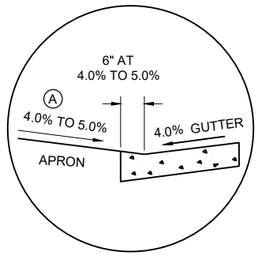
TABLE Y

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



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y - Y



SECTION Y - Y
4% GUTTER SLOPE

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%.

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 ½" EXPANSION JOINT FILLER

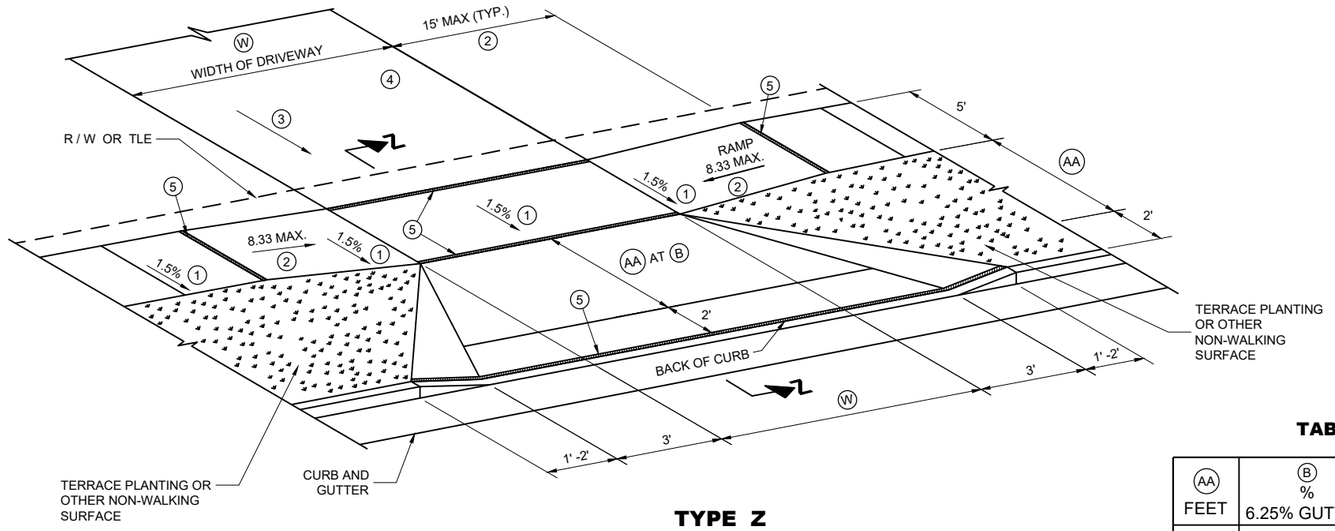
DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

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

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TYPE Z
SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

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.

(W) 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%.

(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.

(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.)

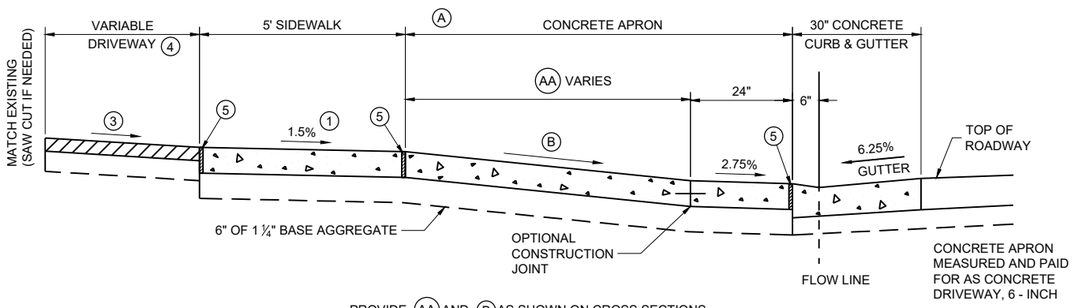
(5) ½" EXPANSION JOINT FILLER.

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

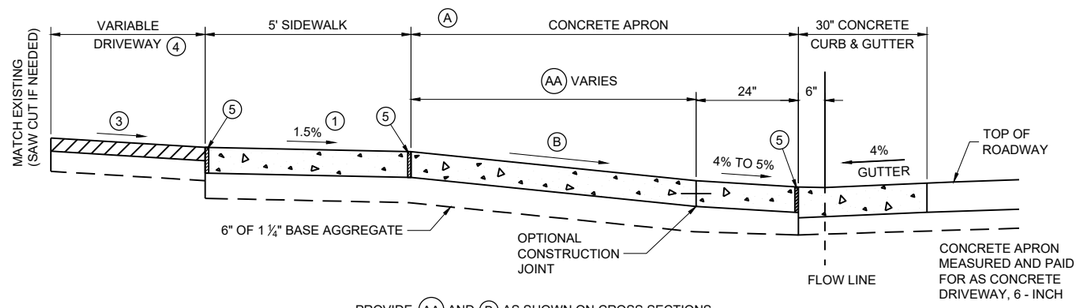
(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

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



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

6.25% GUTTER SLOPE



PROVIDE (AA) AND (B) AS SHOWN ON CROSS SECTIONS.

4% GUTTER SLOPE

NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS FOR (B) VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

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

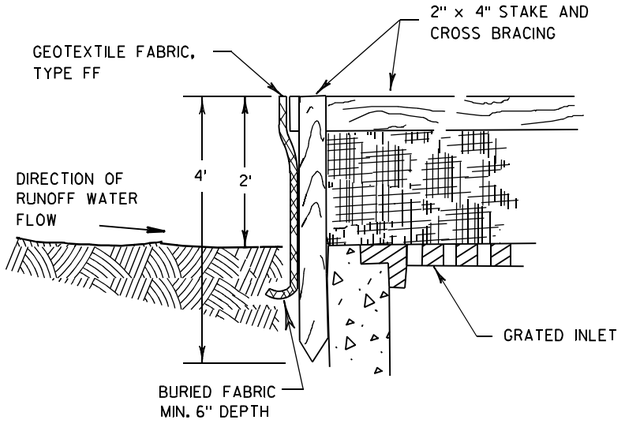
DRIVEWAY AND SIDEWALK RAMPS TYPE Z

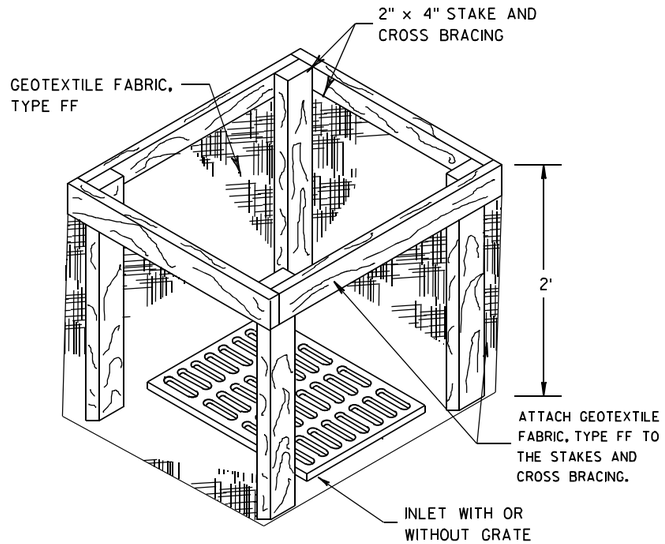
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DEPARTMENT OF TRANSPORTATION

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

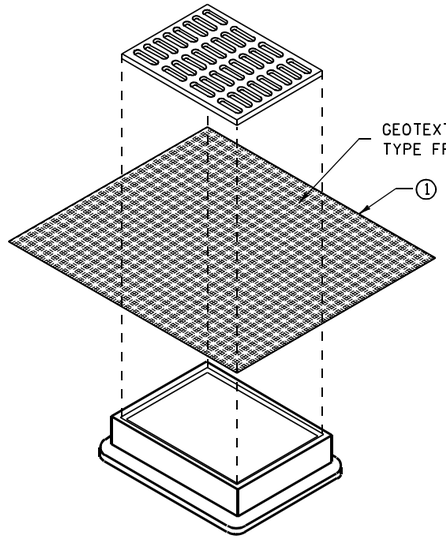
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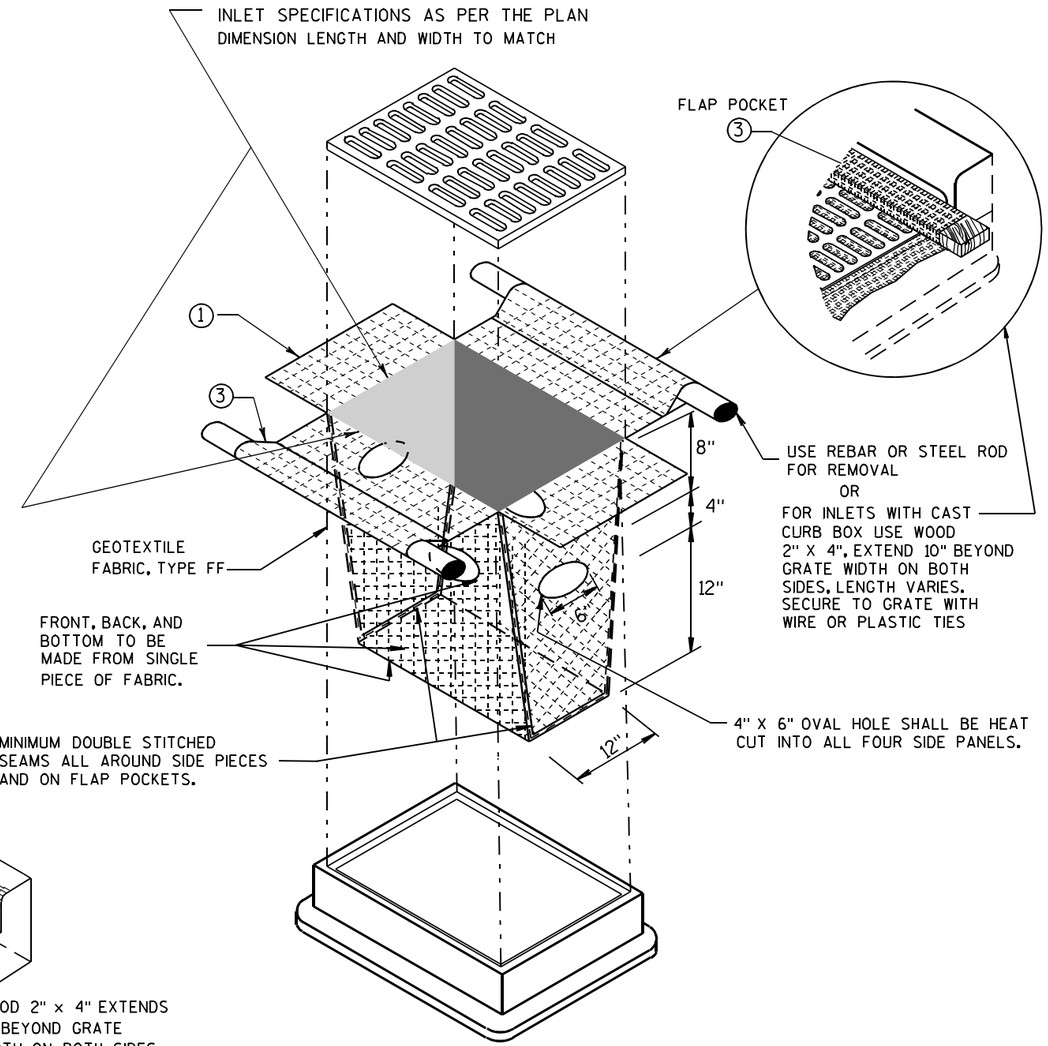


INLET PROTECTION, TYPE A



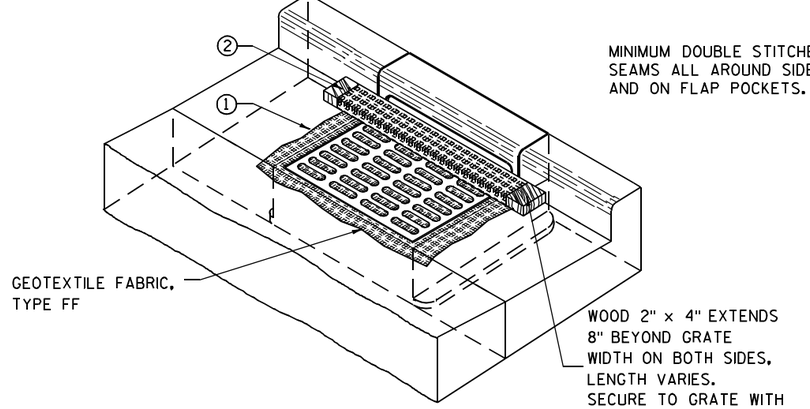
INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)



INLET PROTECTION, TYPE C (WITH CURB BOX)

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.

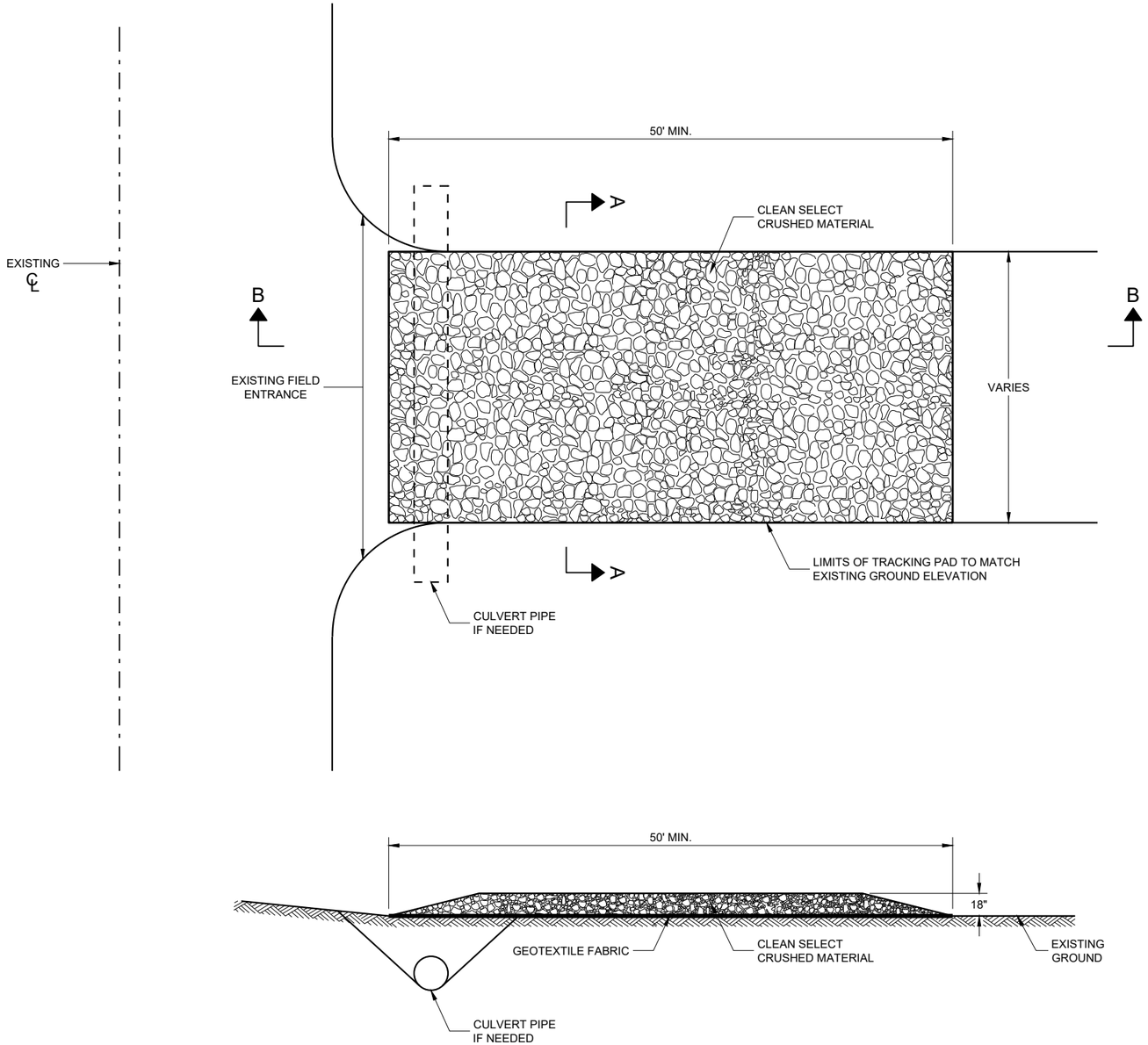
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

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10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
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S.D.D. 8 E 10-2



SECTION B - B

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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

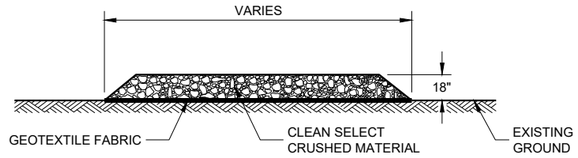
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

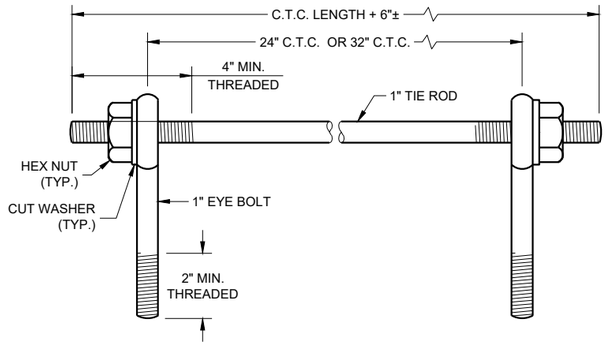
APPROVED
3/24/2011
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

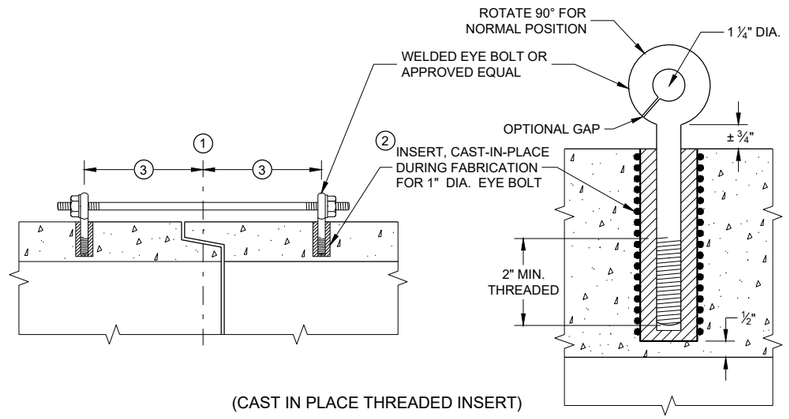
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SDD 08E14 - 01



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.

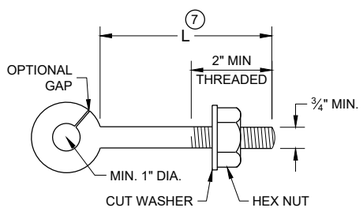
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

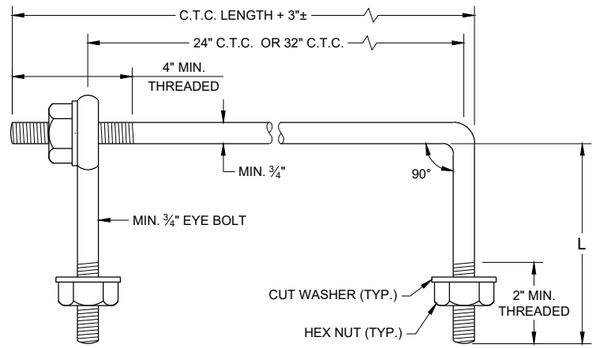
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

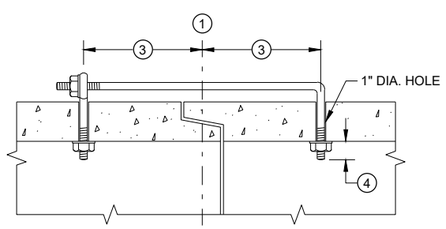


EYE BOLT (7)

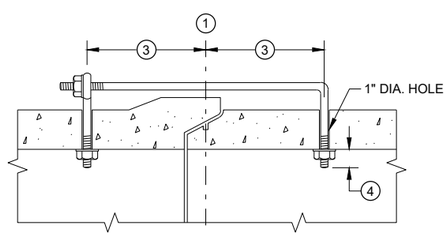
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

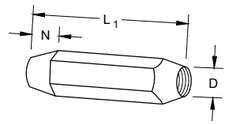
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

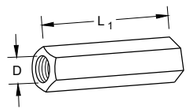
EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

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

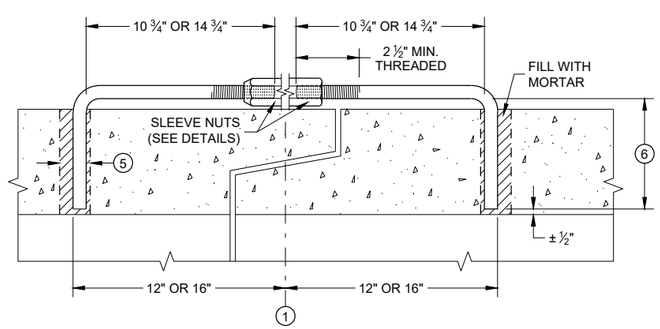
DIMENSIONS SHOWN ARE IN INCHES





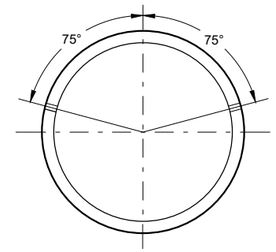
RIGHT AND LEFT THREADS

SLEEVE NUTS



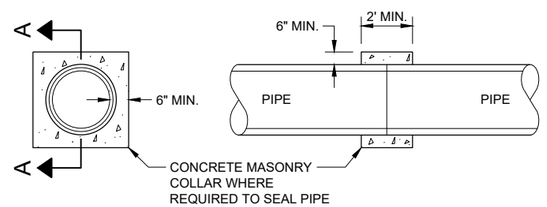
LONGITUDINAL SECTION

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

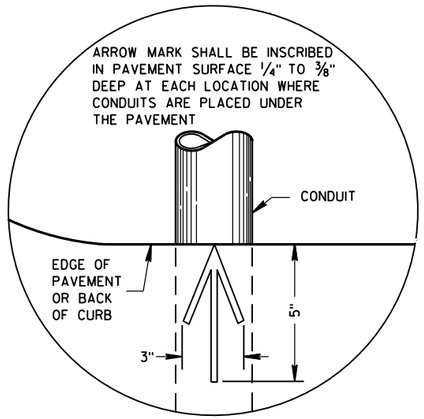
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
FHWA

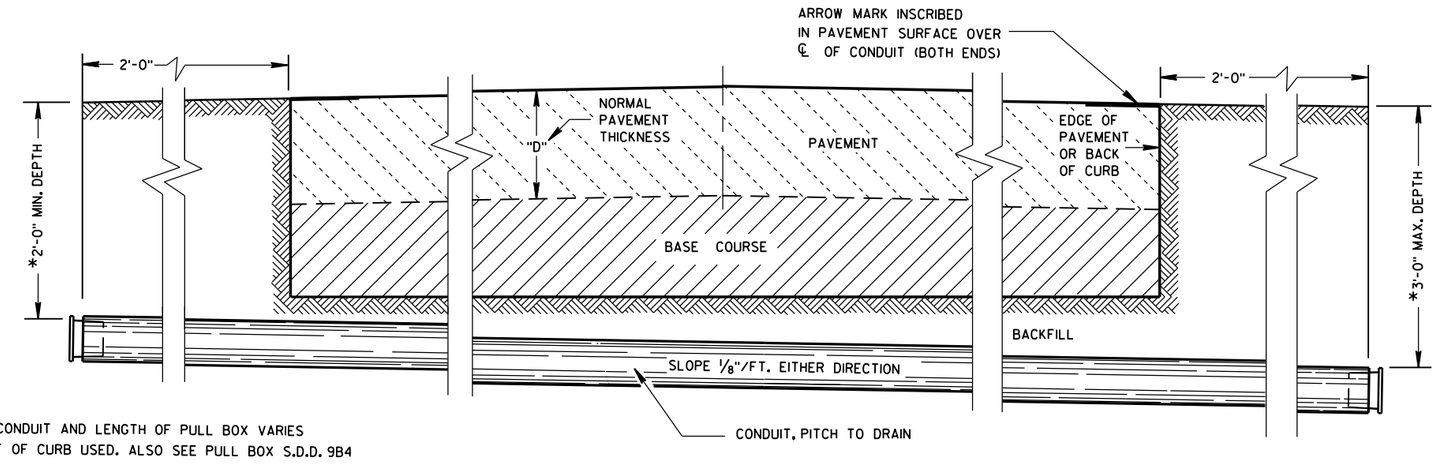
SDD 08F04 - 08

SDD 08F04 - 08



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

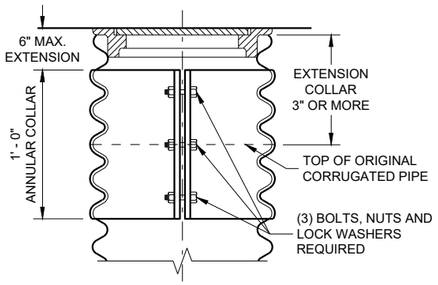
CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

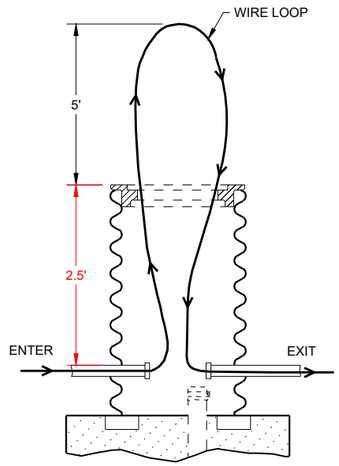
APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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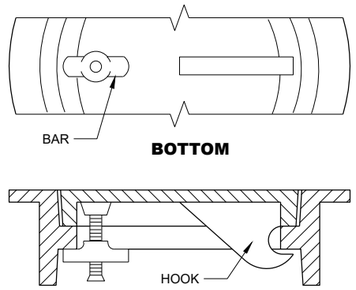
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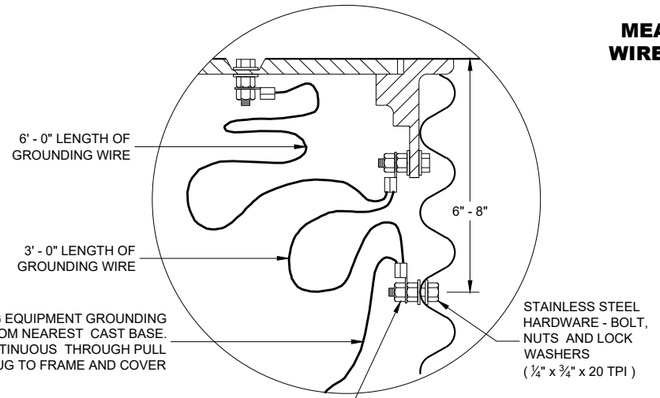
CORRUGATED PIPE EXTENDER



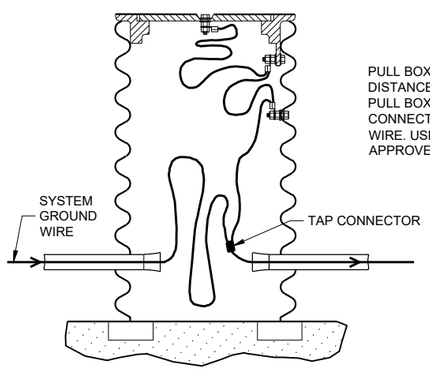
MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



ALTERNATE COVER (LOCKING)
TIGHTENING BAR TYPE

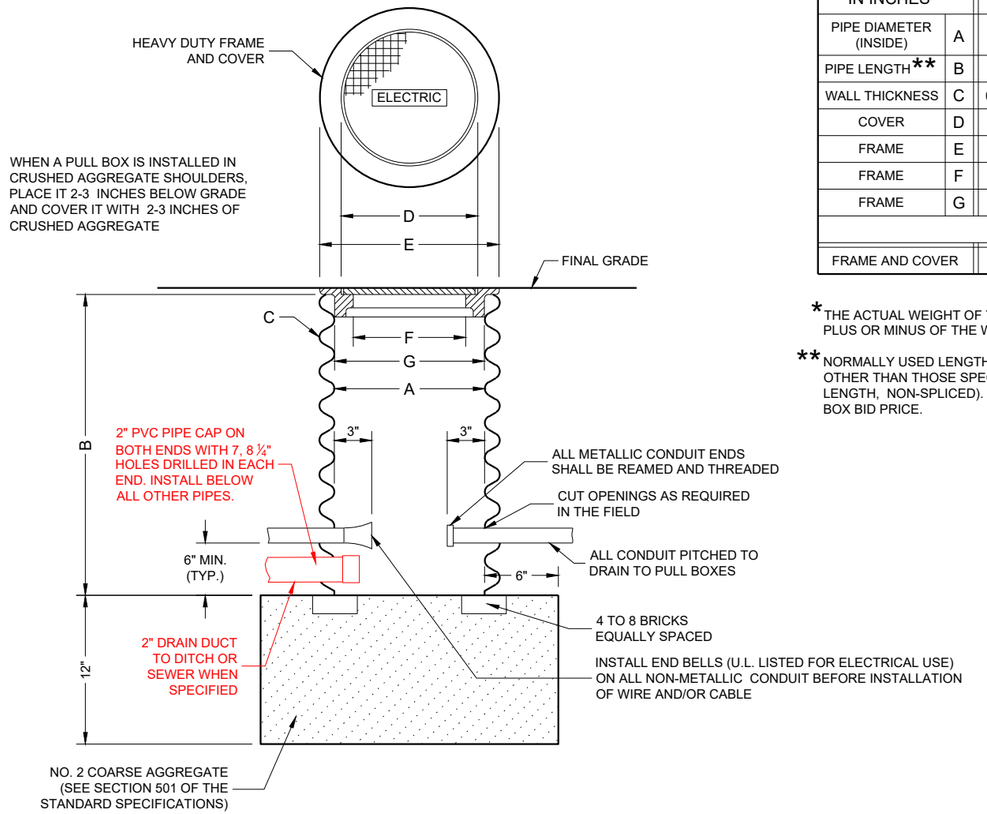


EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN ¼".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH**	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 ¼	10 ¼	10 ¼	16 ¼	16 ¼	16 ¼	22 ¼	22 ¼	22 ¼
FRAME	E	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½	26 ½	26 ½	26 ½
FRAME	F	8 ½	8 ½	8 ½	14 ½	14 ½	14 ½	20 ½	20 ½	20 ½
FRAME	G	11 ½	11 ½	11 ½	17 ½	17 ½	17 ½	23 ½	23 ½	23 ½
WEIGHT IN POUNDS*										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

*THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

**NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.

PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

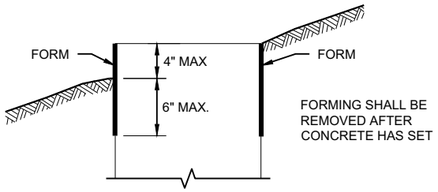
APPROVED
May 2022
DATE

/S/ Ahmet Demirbilek
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FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

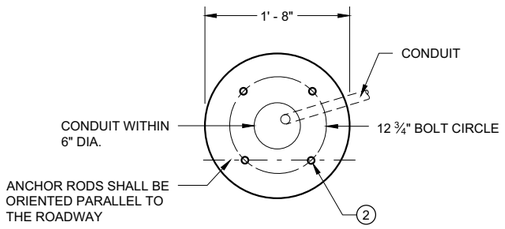
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

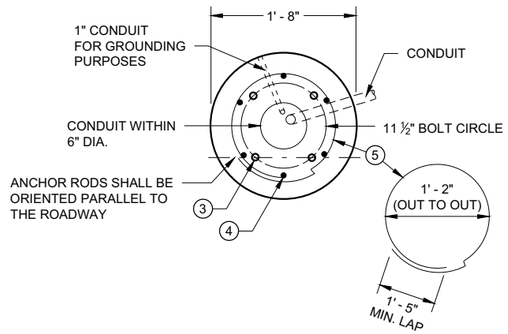
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

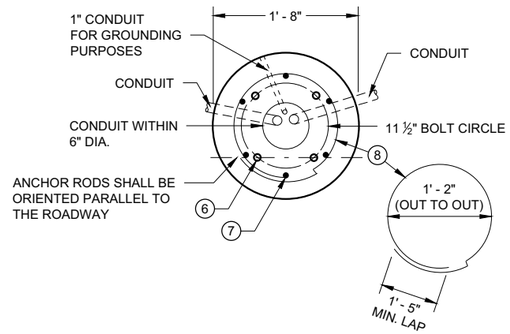
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

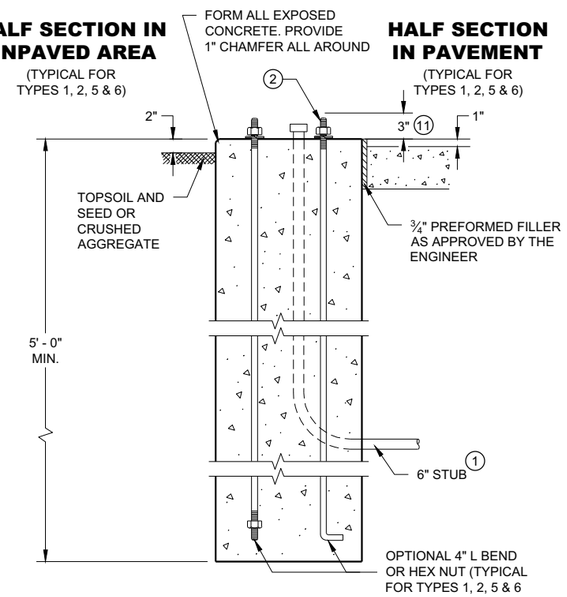
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA

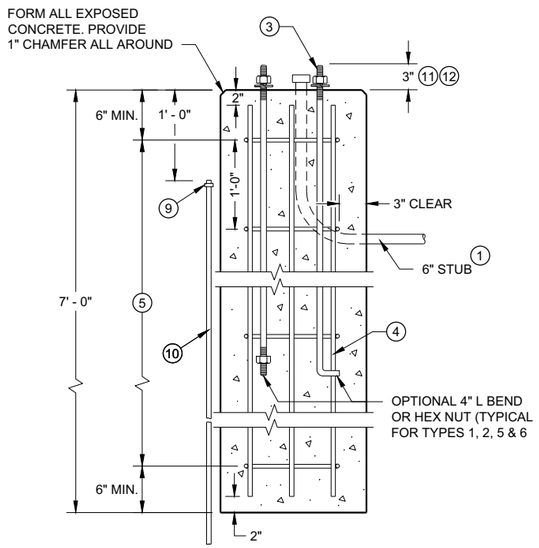
(TYPICAL FOR TYPES 1, 2, 5 & 6)

HALF SECTION IN PAVEMENT

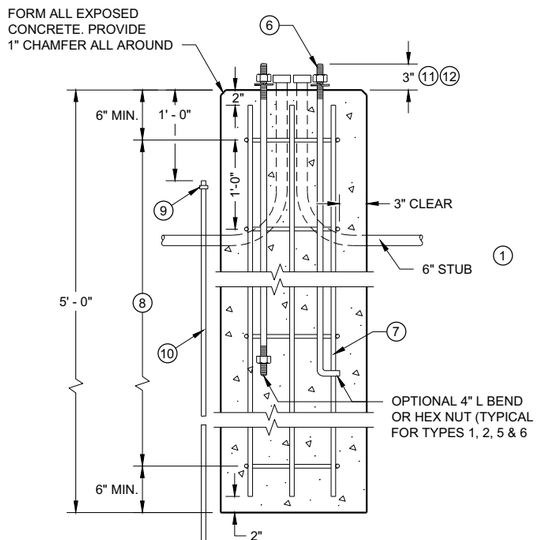
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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SDD 09C02 - 09

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

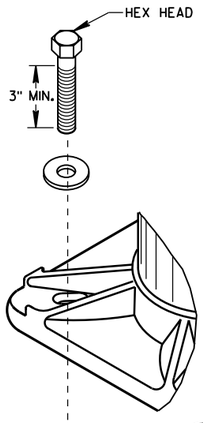
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

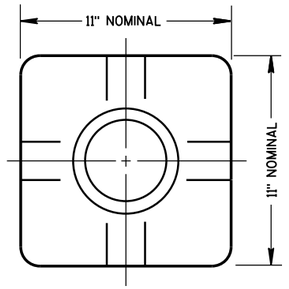
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

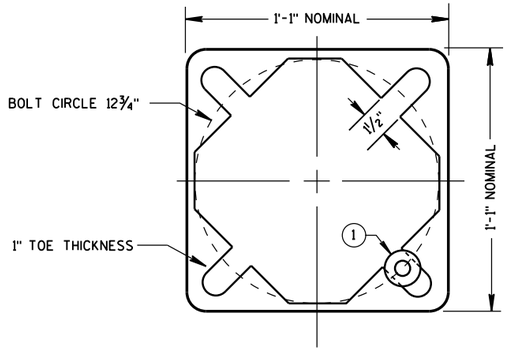
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

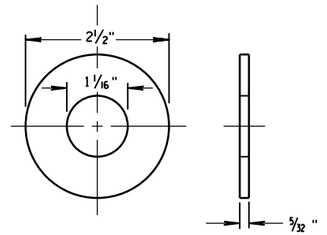




TOP VIEW
(PEDESTAL BASE)

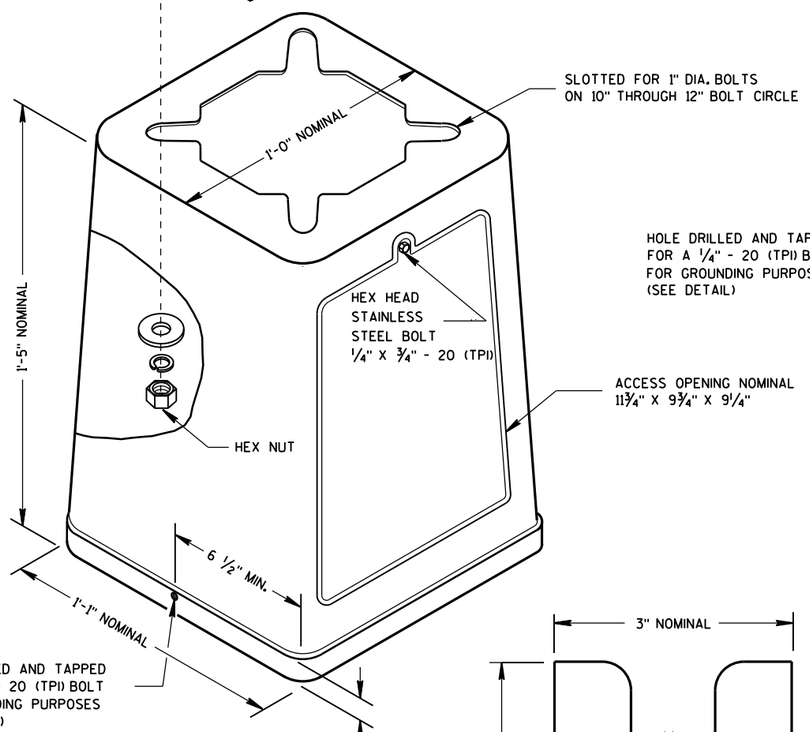


BOTTOM VIEW
(PEDESTAL BASE)

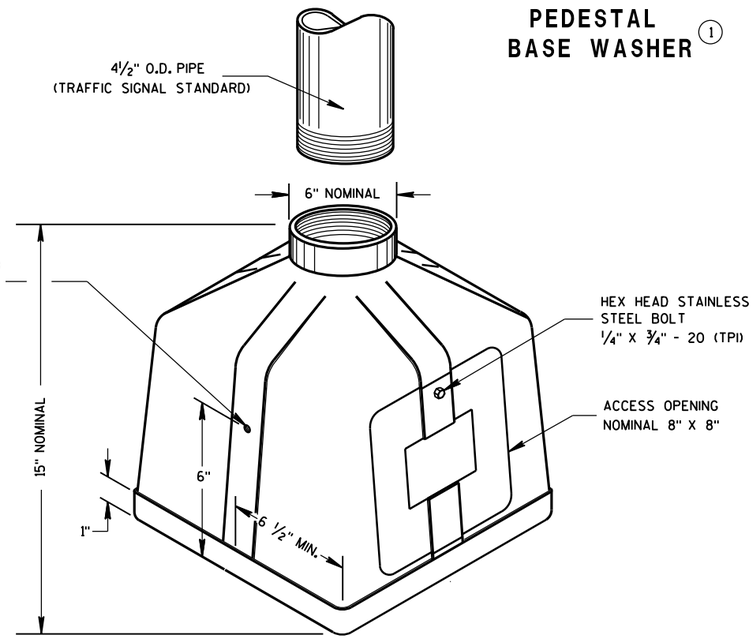


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

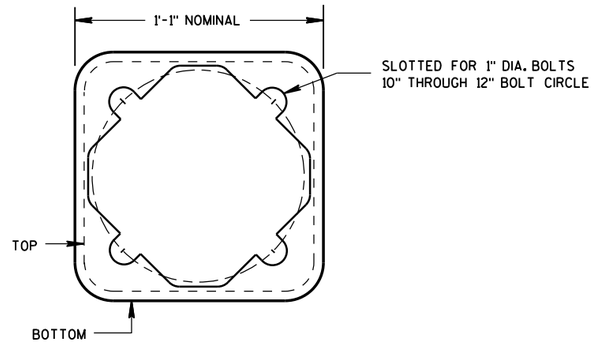
PEDESTAL BASE WASHER (1)



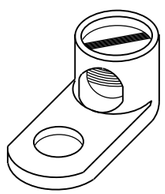
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

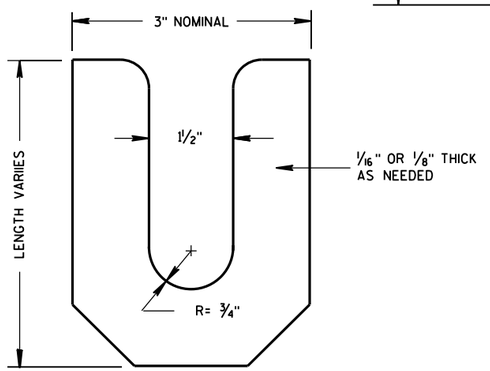


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

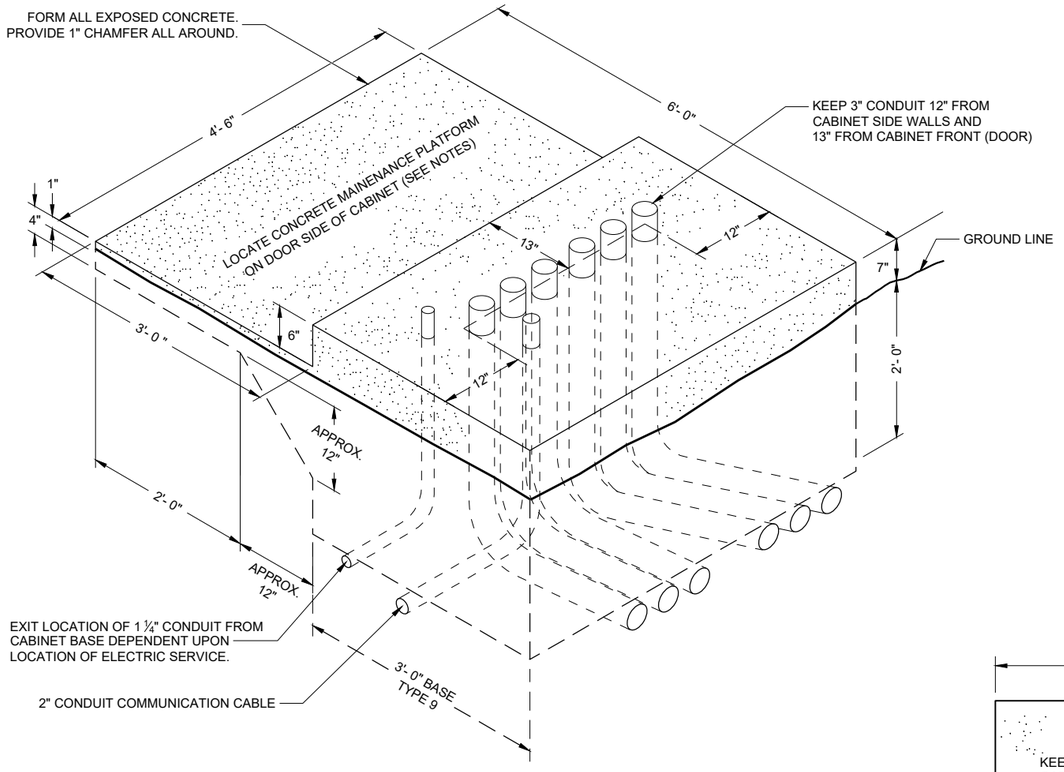
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

S.D.D. 9 C 3-4

S.D.D. 9 C 3-4

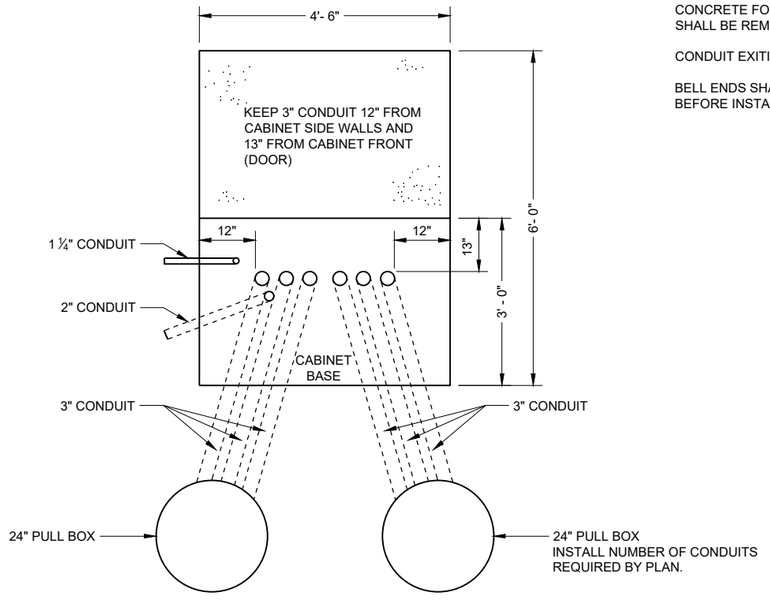
SDD 09C06 Concrete Control Cabinet Base, Type 9, Special



ISOMETRIC VIEW

TYPE 9 SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9 SPECIAL

GENERAL NOTES

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

INSTALL FOUR INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NON - METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U. L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT EQUALS 6 TIMES THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NON - METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON - METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6 INCHES MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUIT EXITING THE CONCRETE BASE (SIX 3") SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE TYPE 9, SPECIAL

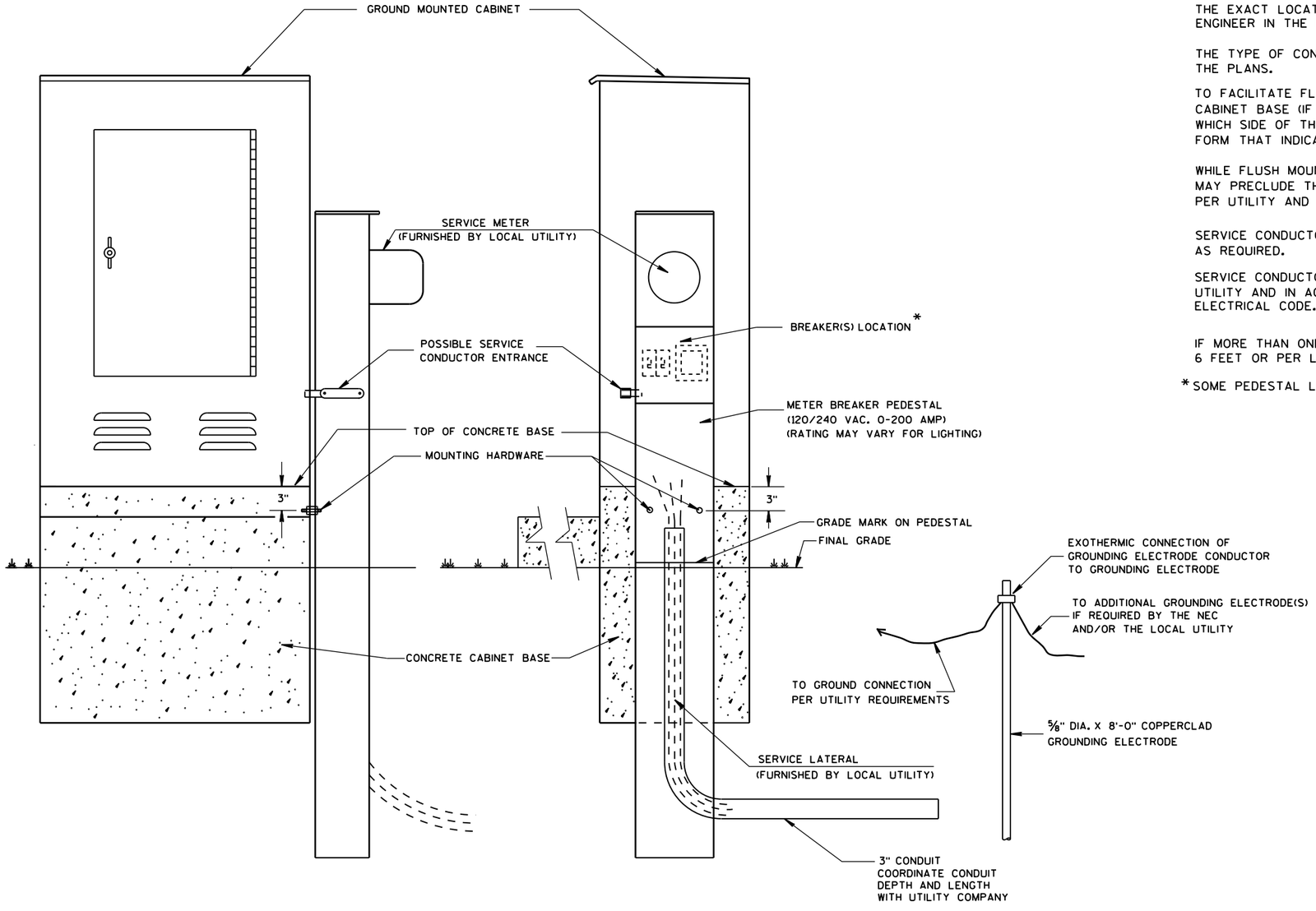
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

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SDD 09C06 - 07



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

6

S.D.D. 9 D 1-5

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S.D.D. 9 D 1-5

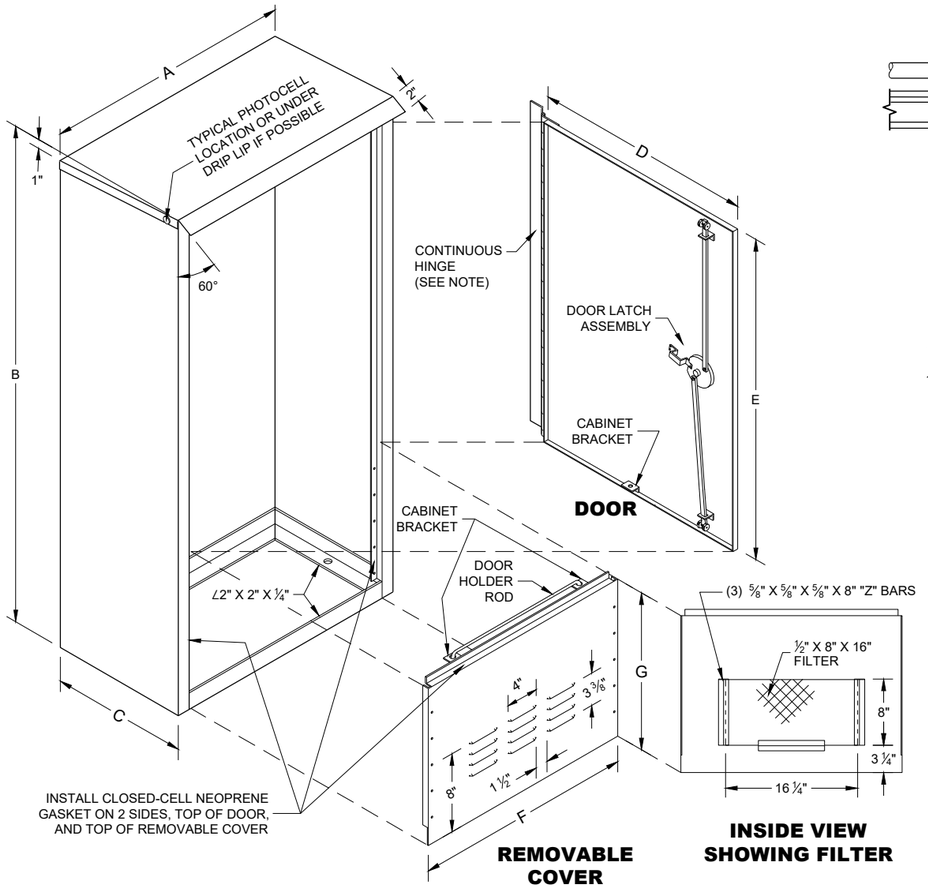
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

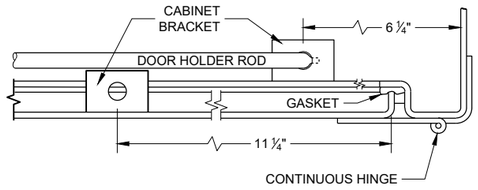
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

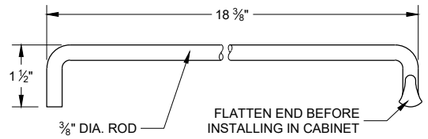
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

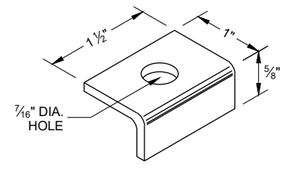




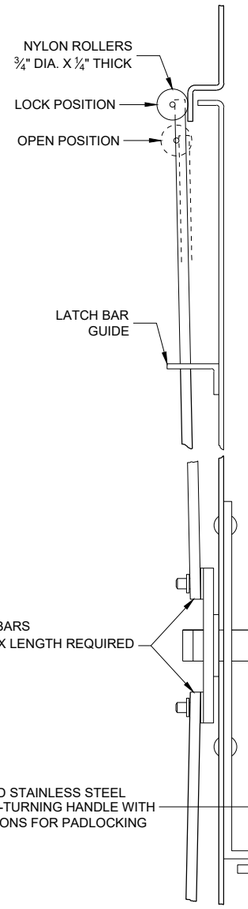
HINGE AND DOOR HOLDER

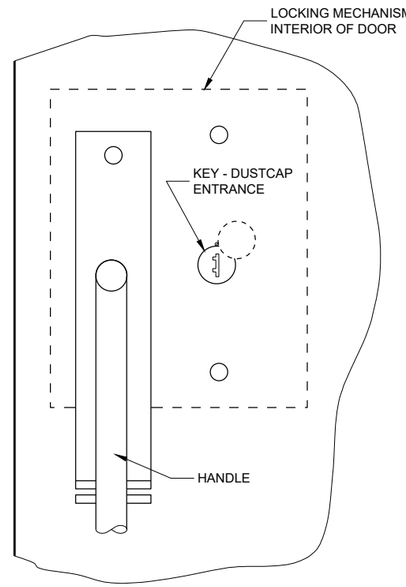


HOLDER ROD



CABINET BRACKET





SIDE VIEW **FRONT VIEW**

LATCH ASSEMBLY

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.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

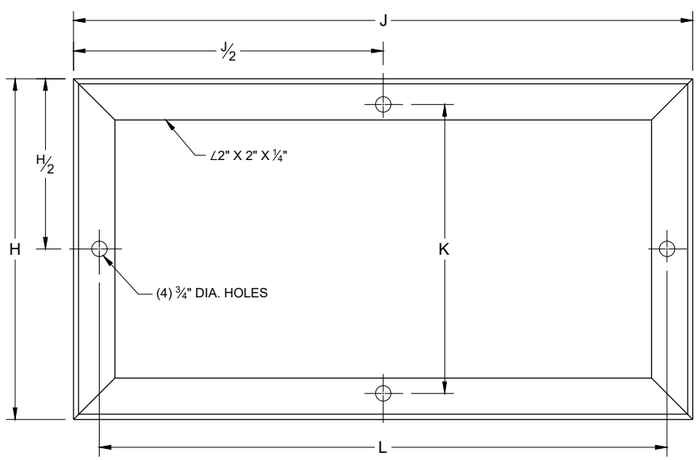
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH ¼" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH ¼" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH - NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

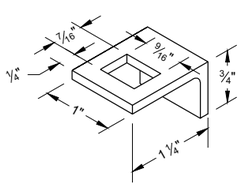
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 ½	16 ½	24
D	26 ½	34 ¾	33 ¾
E	38 ¾	38 ¾	38 ¾
F	26 ½	34 ¾	33 ¾
G	19	19	25
H	16 ½	16 ½	24
H/2	8 ¼	8 ¼	12
J	30	38	38
J/2	15	19	19
K	13 ¾	13 ¾	21 ¼
L	27 ½	35 ½	35 ½



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

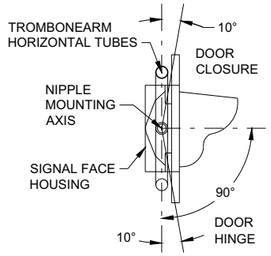
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September 2014
DATE

/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI

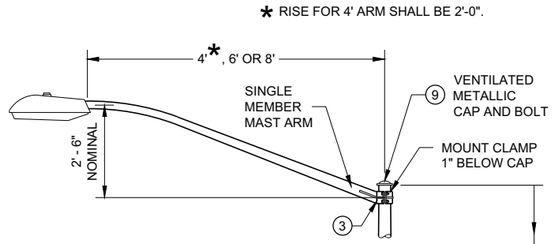
FHWA

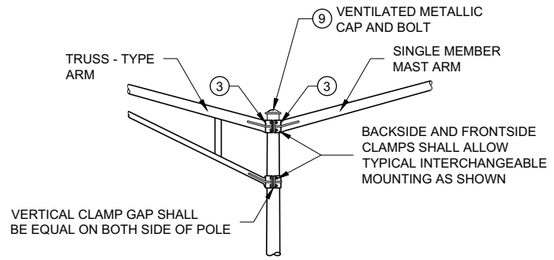
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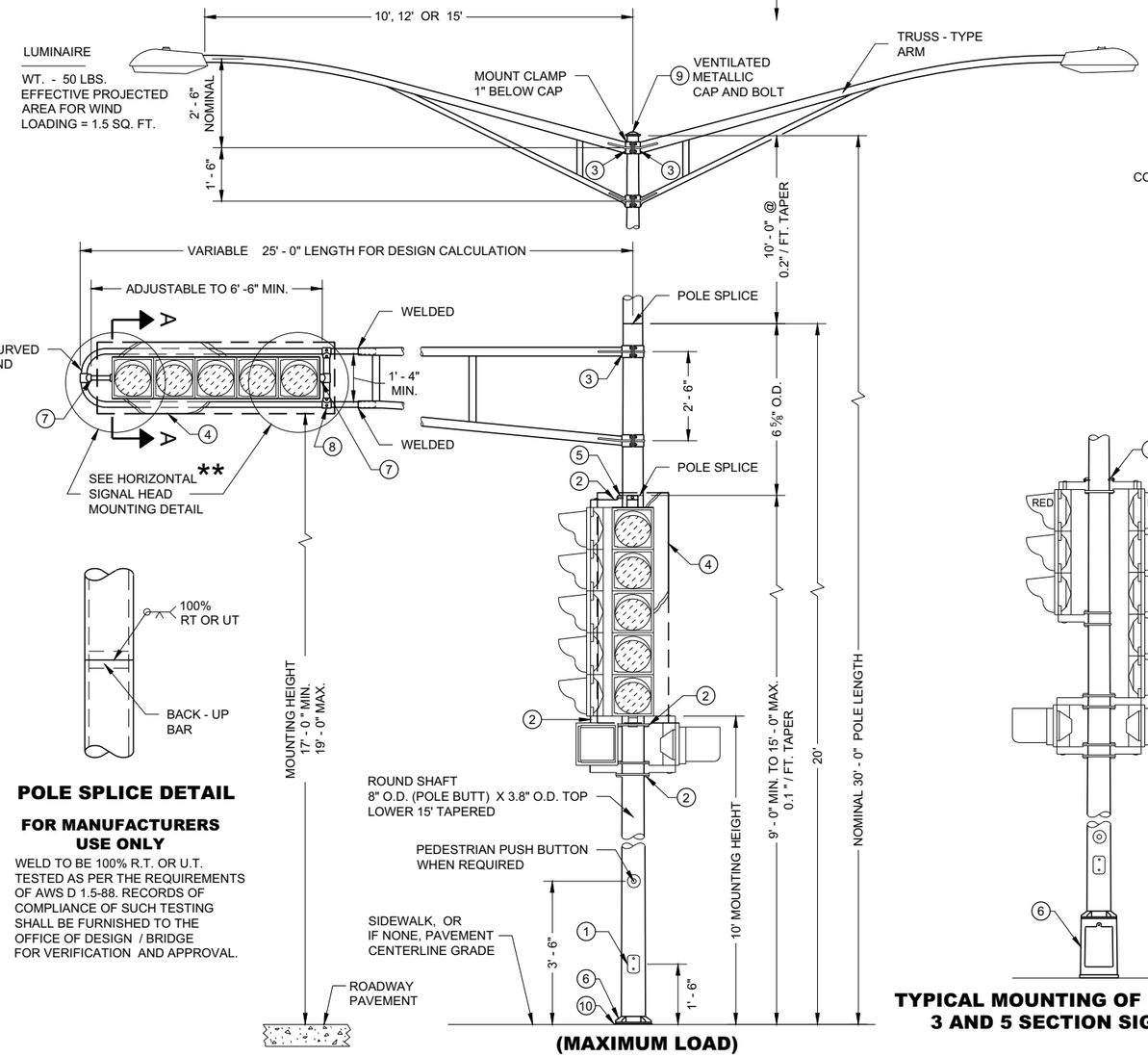


SECTION A-A



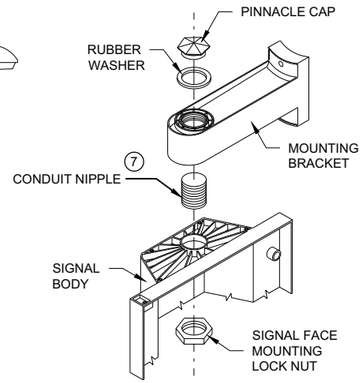


INTERCHANGEABLE MOUNTING DETAIL



(MAXIMUM LOAD)

TYPE 3 POLE MOUNTING CONFIGURATION

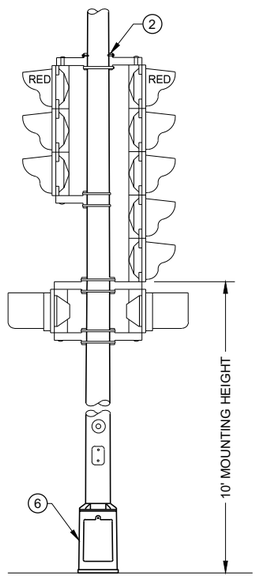


SIGNAL FACE MOUNTING DETAIL
(BANDED)

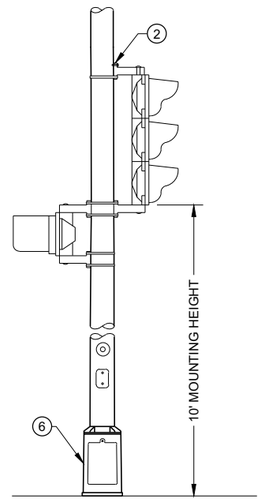
POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

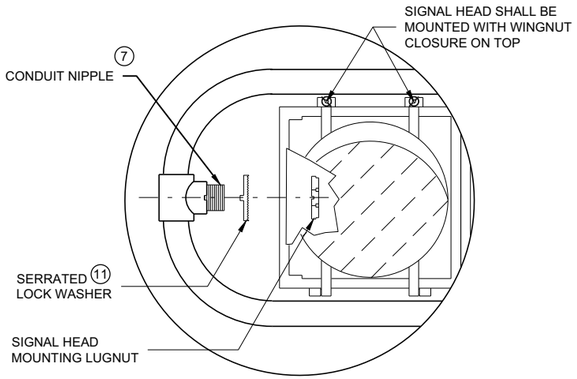
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

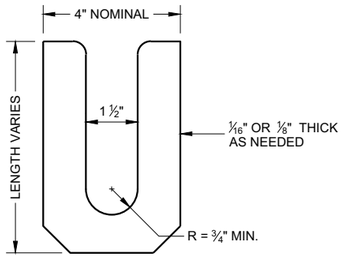
(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

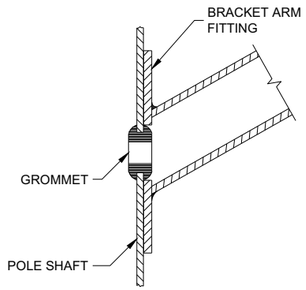
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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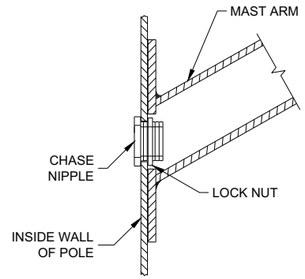
SDD 09E01 - 15b
SDD 09E01 - 15b



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

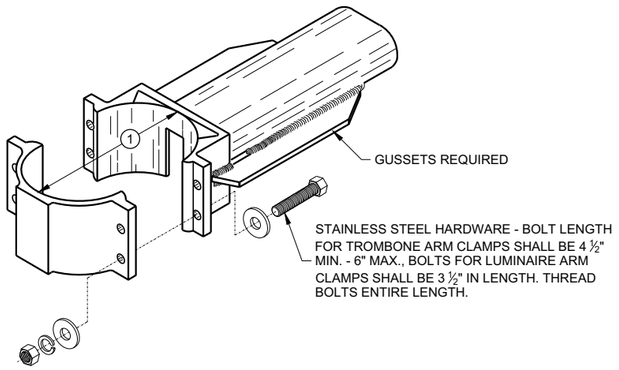
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

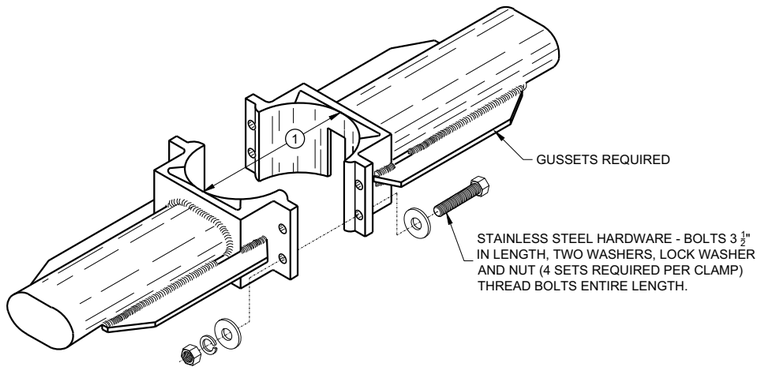
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

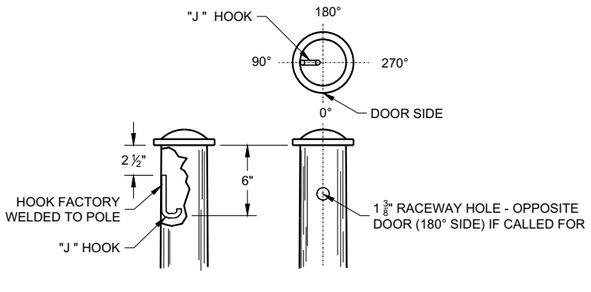
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



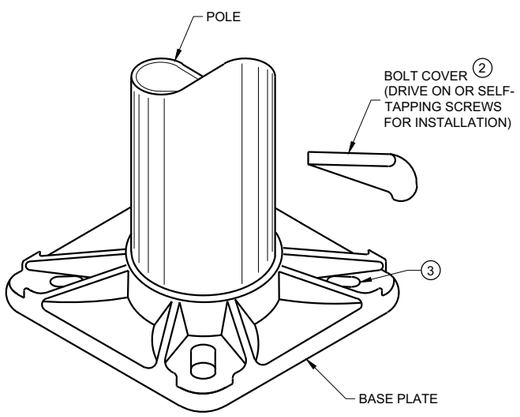
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



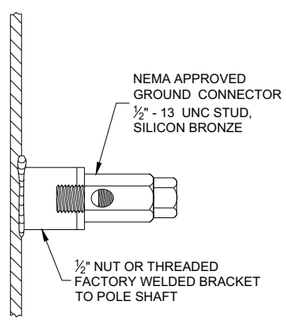
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

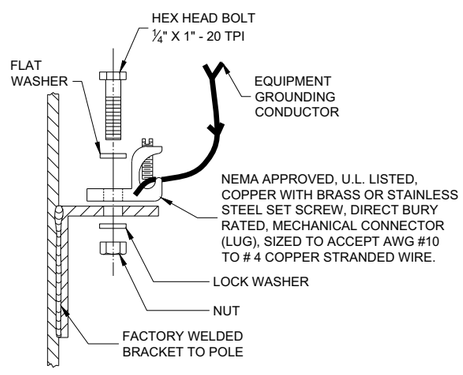


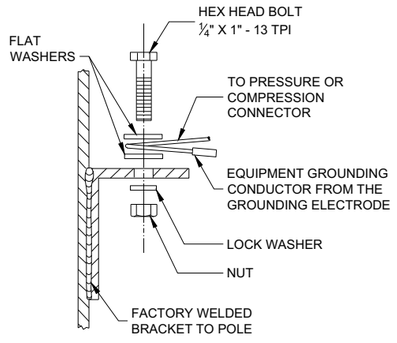
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 191

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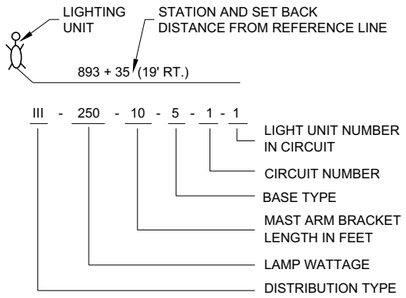
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SDD 09E01 - 15g

GENERAL NOTES

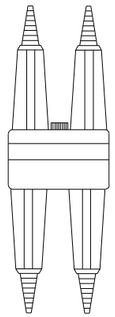
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

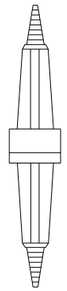
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



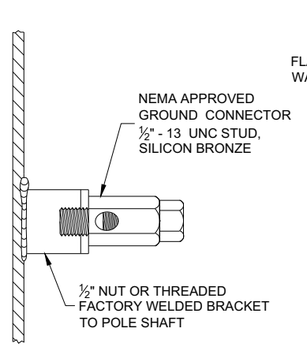
LIGHTING UNIT CODE
(TYPICAL)



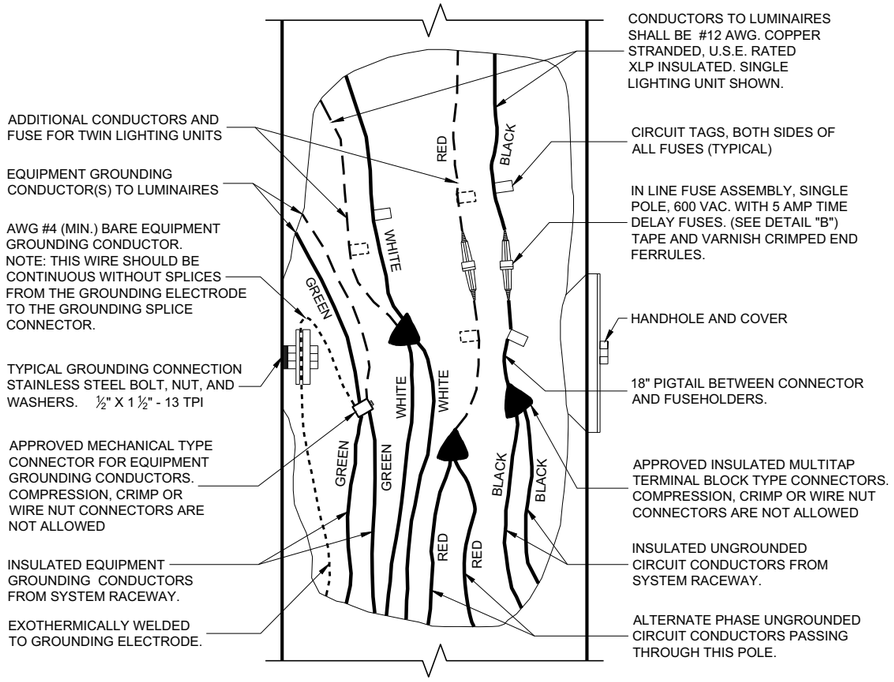
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



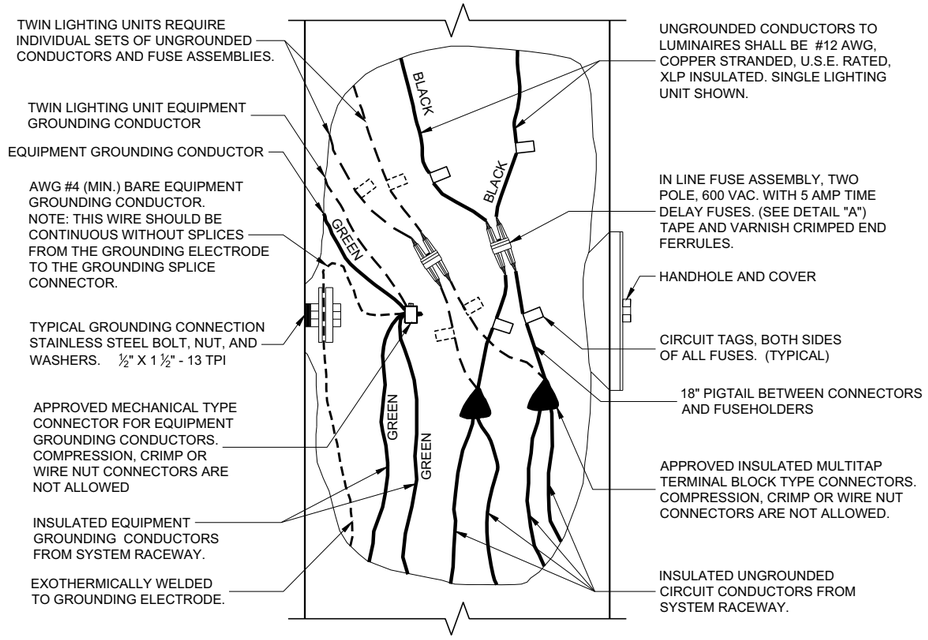
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

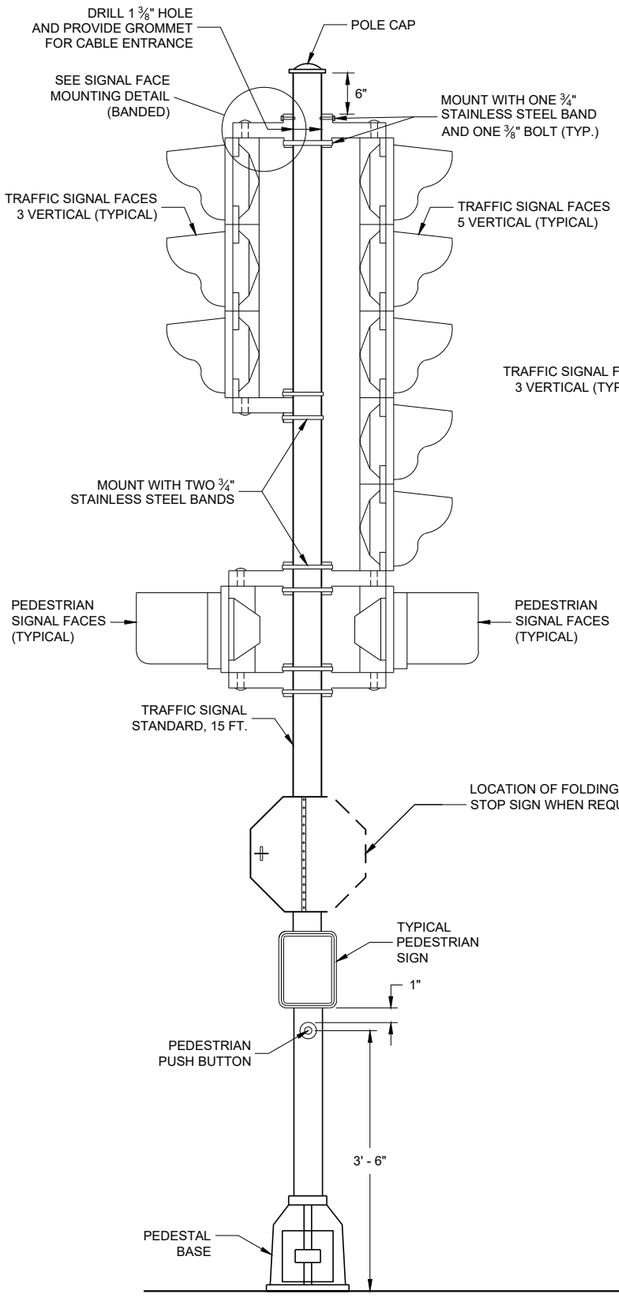
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
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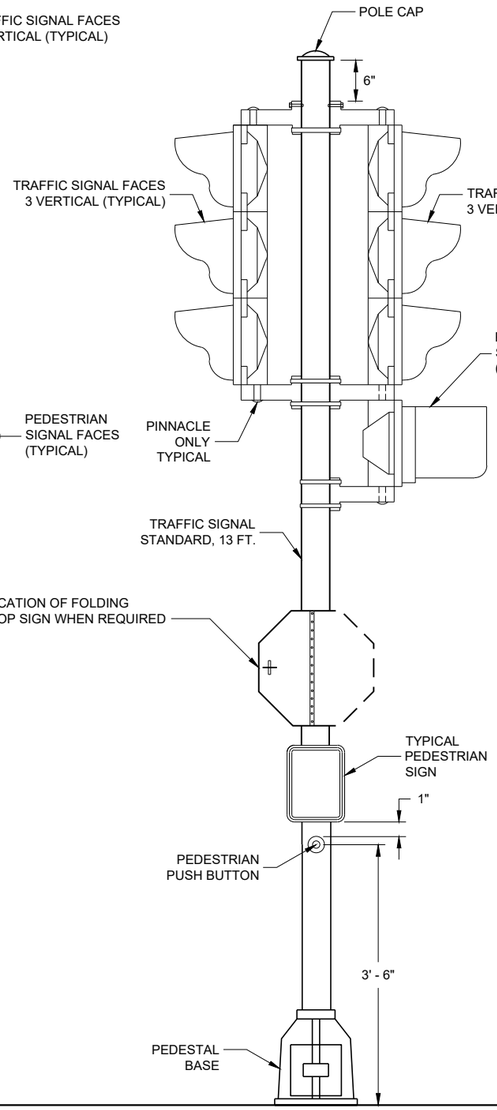
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

FHWA

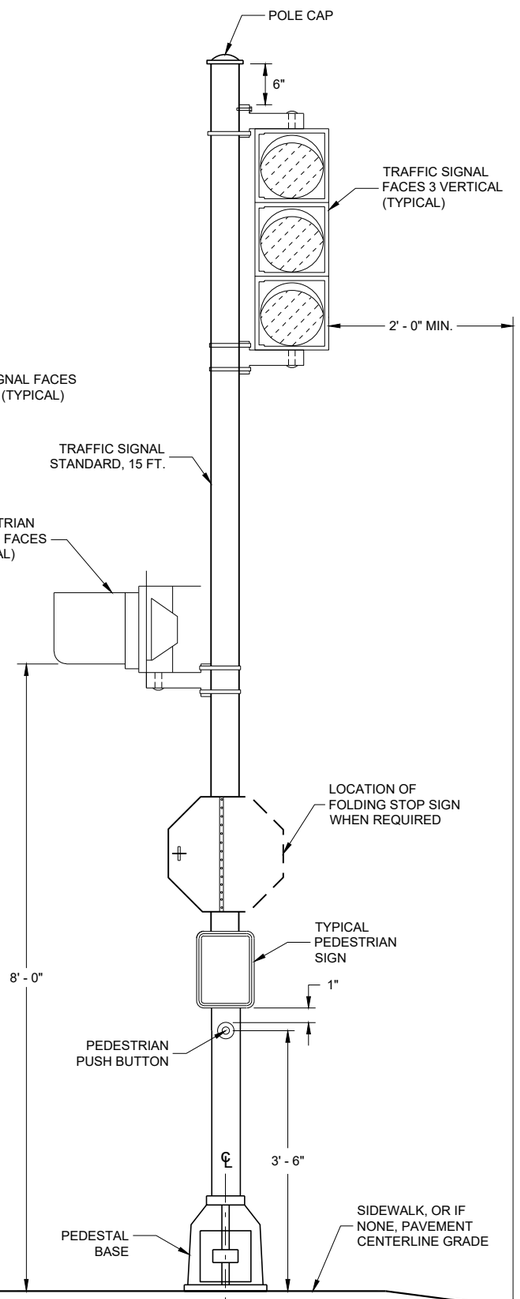
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SDD 09E03 - 06



TRAFFIC SIGNAL STANDARD - 15 FT.



TRAFFIC SIGNAL STANDARD - 13 FT.



TRAFFIC SIGNAL TANDARD - 15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

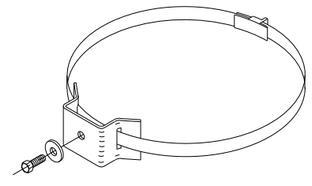
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

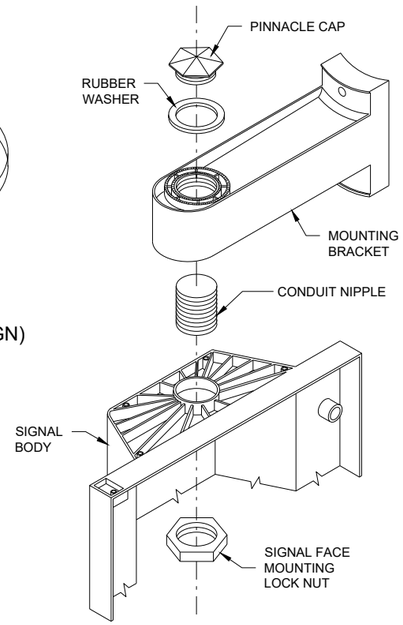
FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) 1/4" X 3/4" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



SIGNAL FACE MOUNTING DETAIL (BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

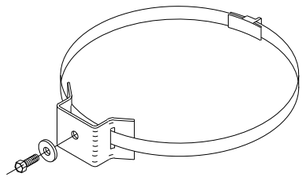
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013
DATE

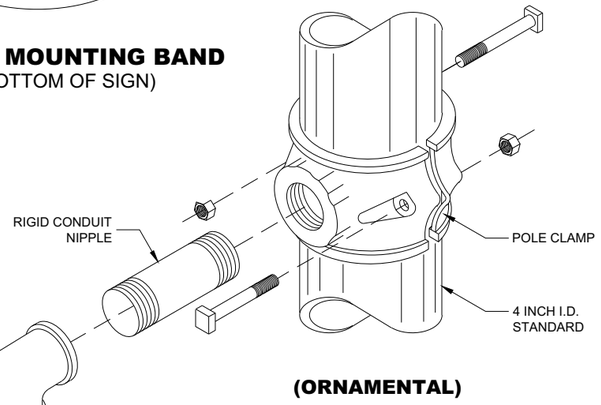
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 193

FHWA

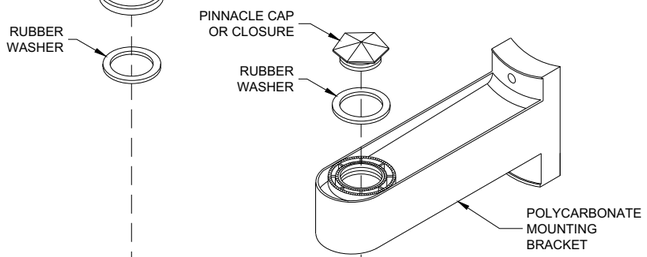
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SDD 09E06 - 05



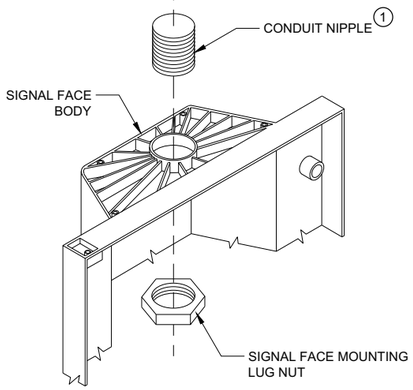
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



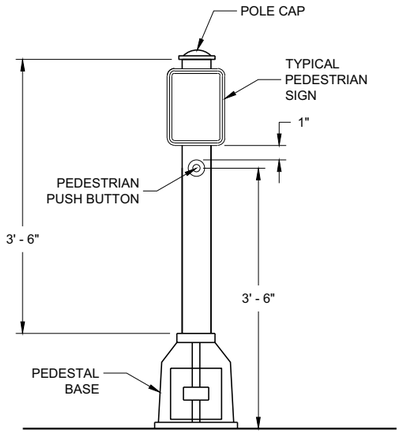
(ORNAMENTAL)



(BANDED)



SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

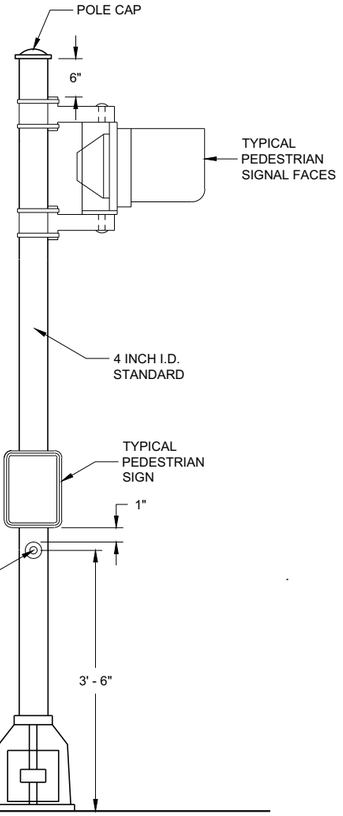
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

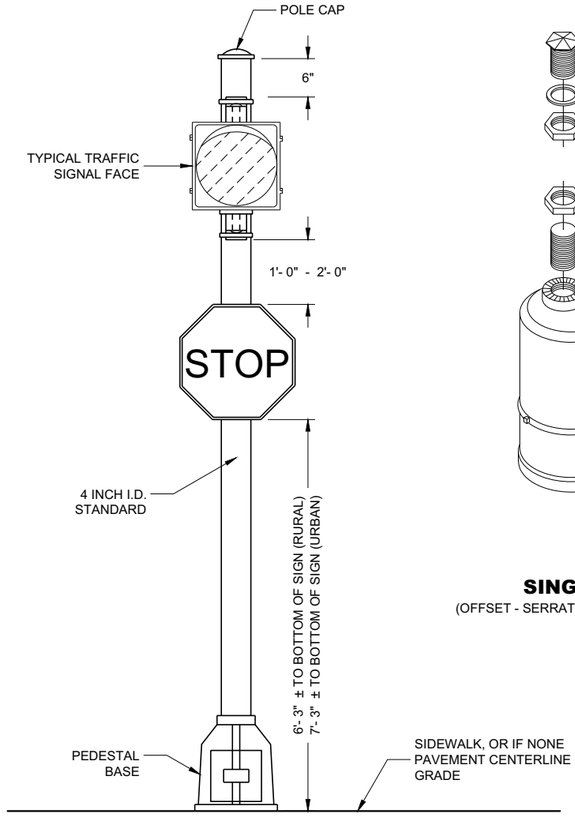
PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

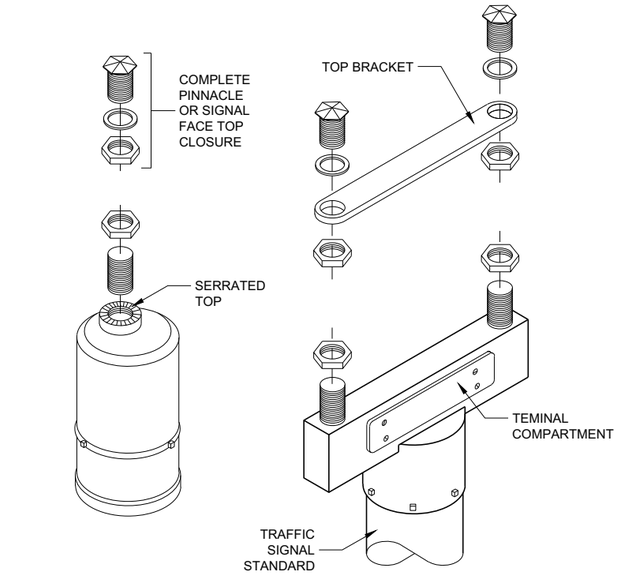
(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

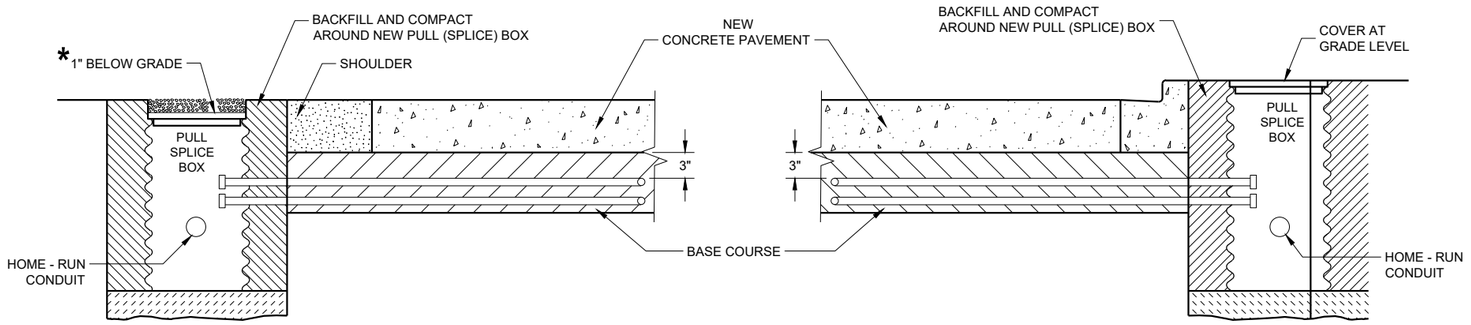
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 194

FHWA

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SDD 09E07 - 06



SECTION A - A
NO CURB AND GUTTER

SECTION B - B
CURB AND GUTTER

* RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READING TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

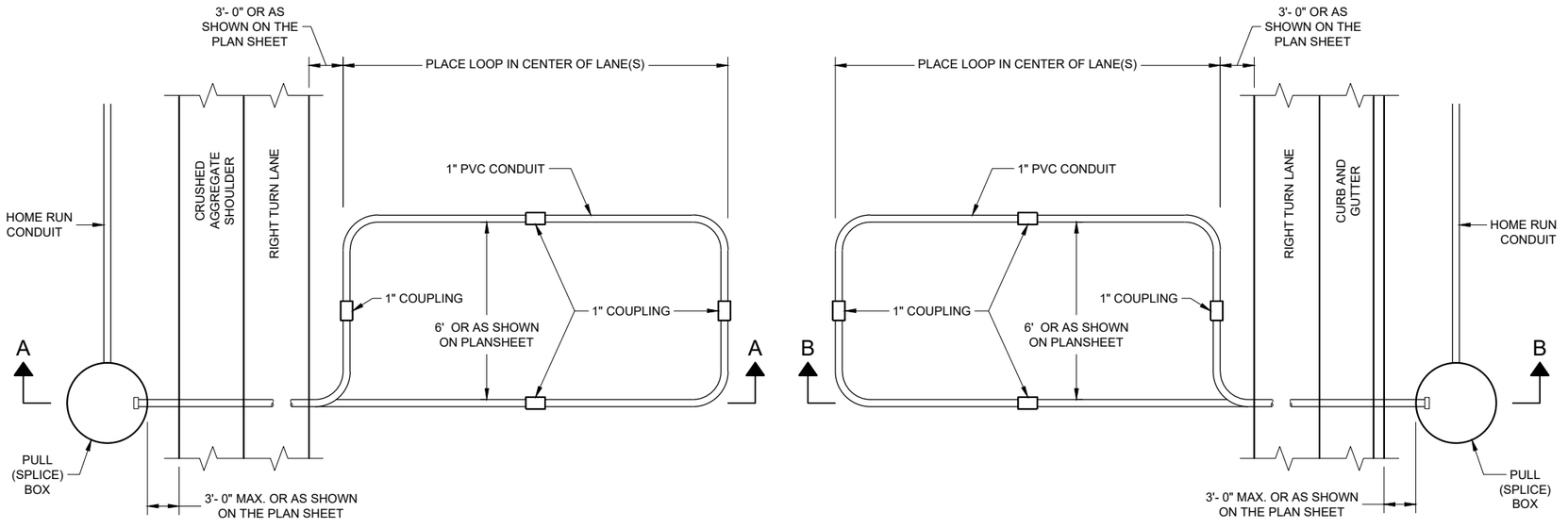
THE #12 AWG LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

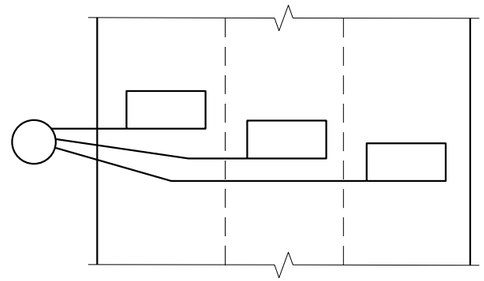
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
September 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

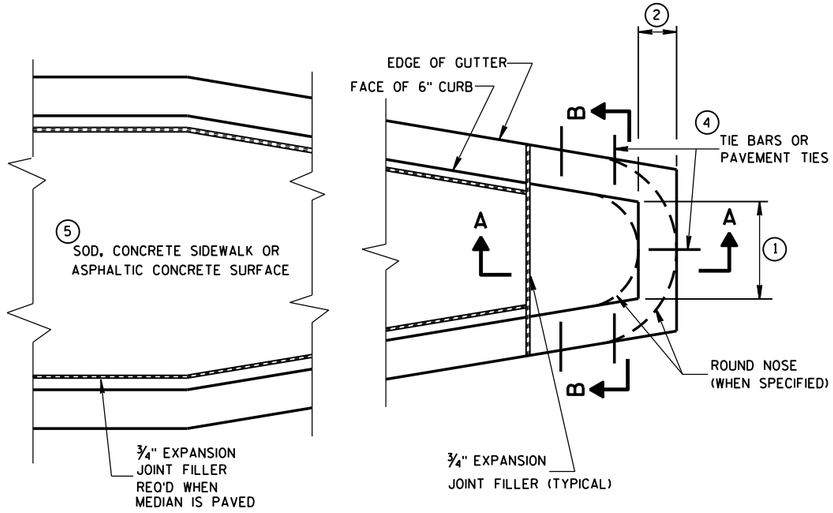
FHWA

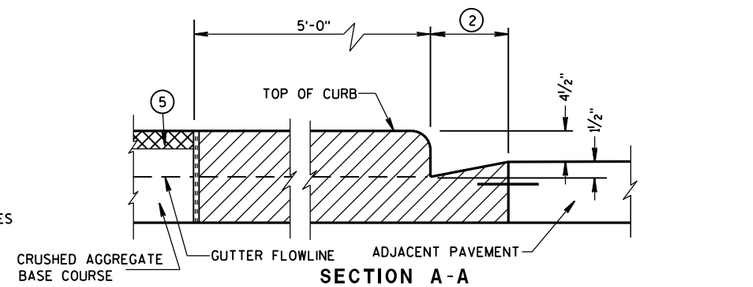
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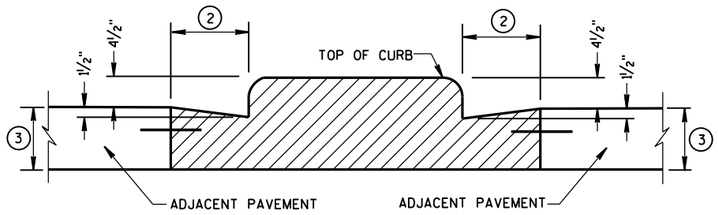
SDD 09F15 - 04b

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SDD 09F15 - 04b







CONCRETE MEDIAN BLUNT NOSE 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.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

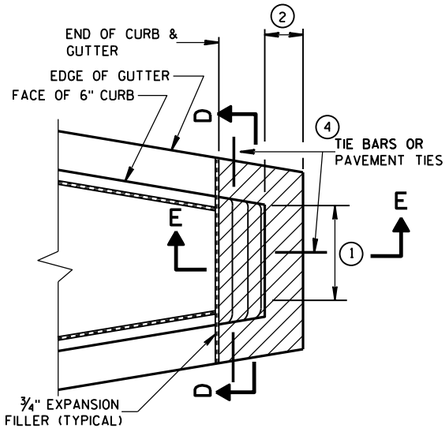
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

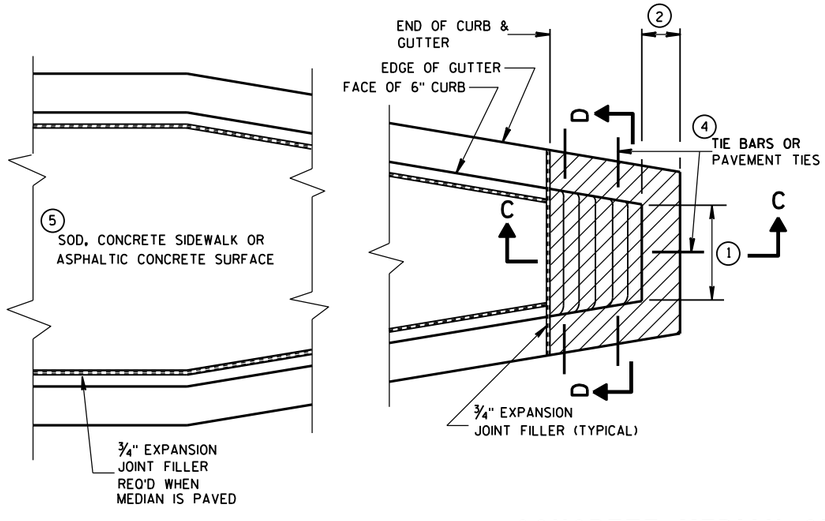
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

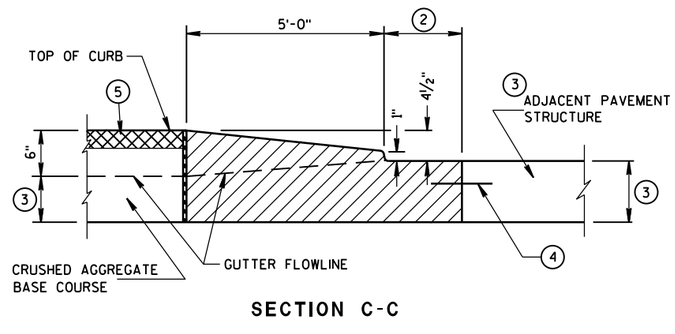
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

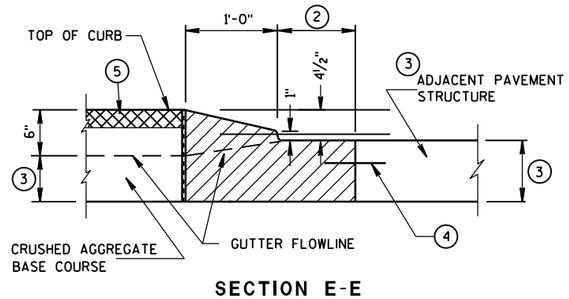
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



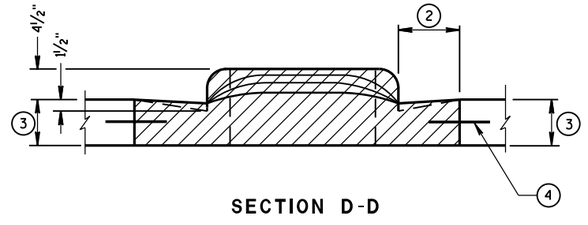






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS D ENGINEER
FHWA

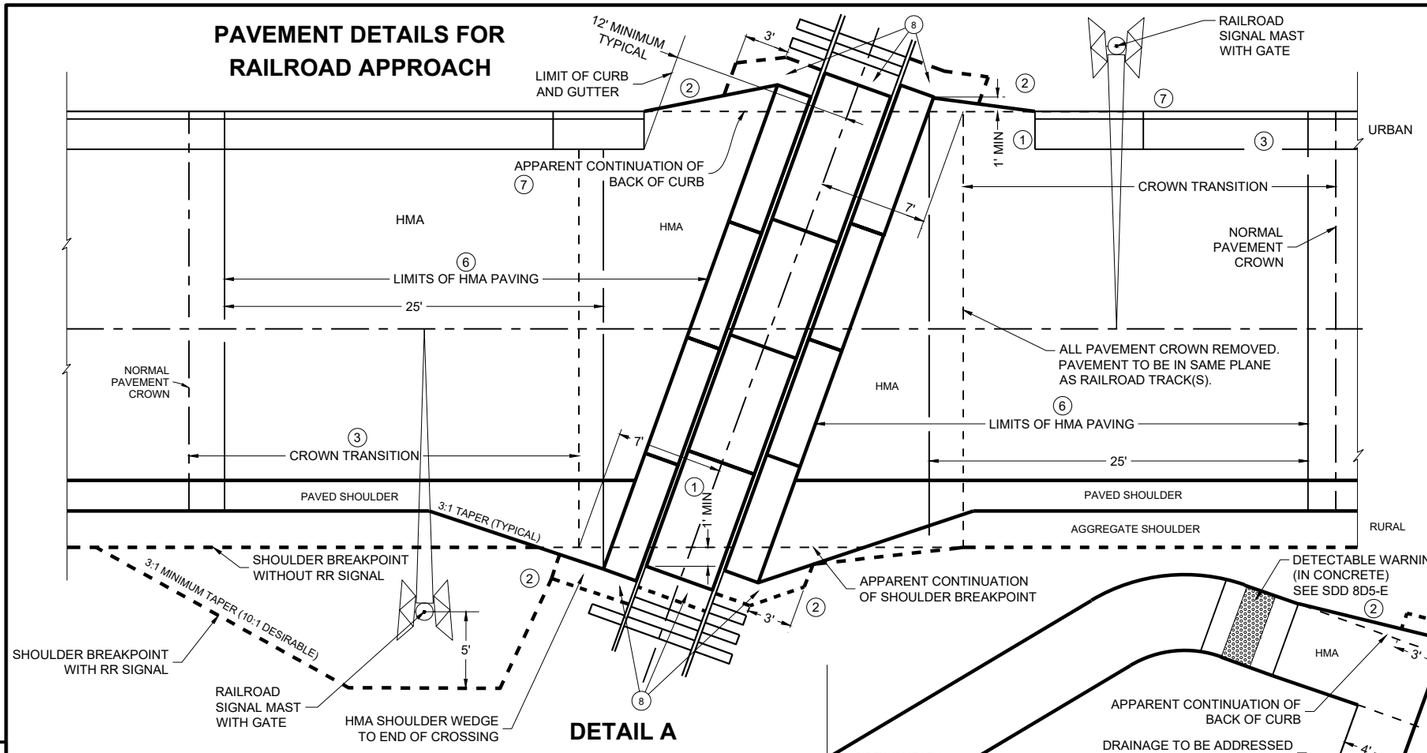
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S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2

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.

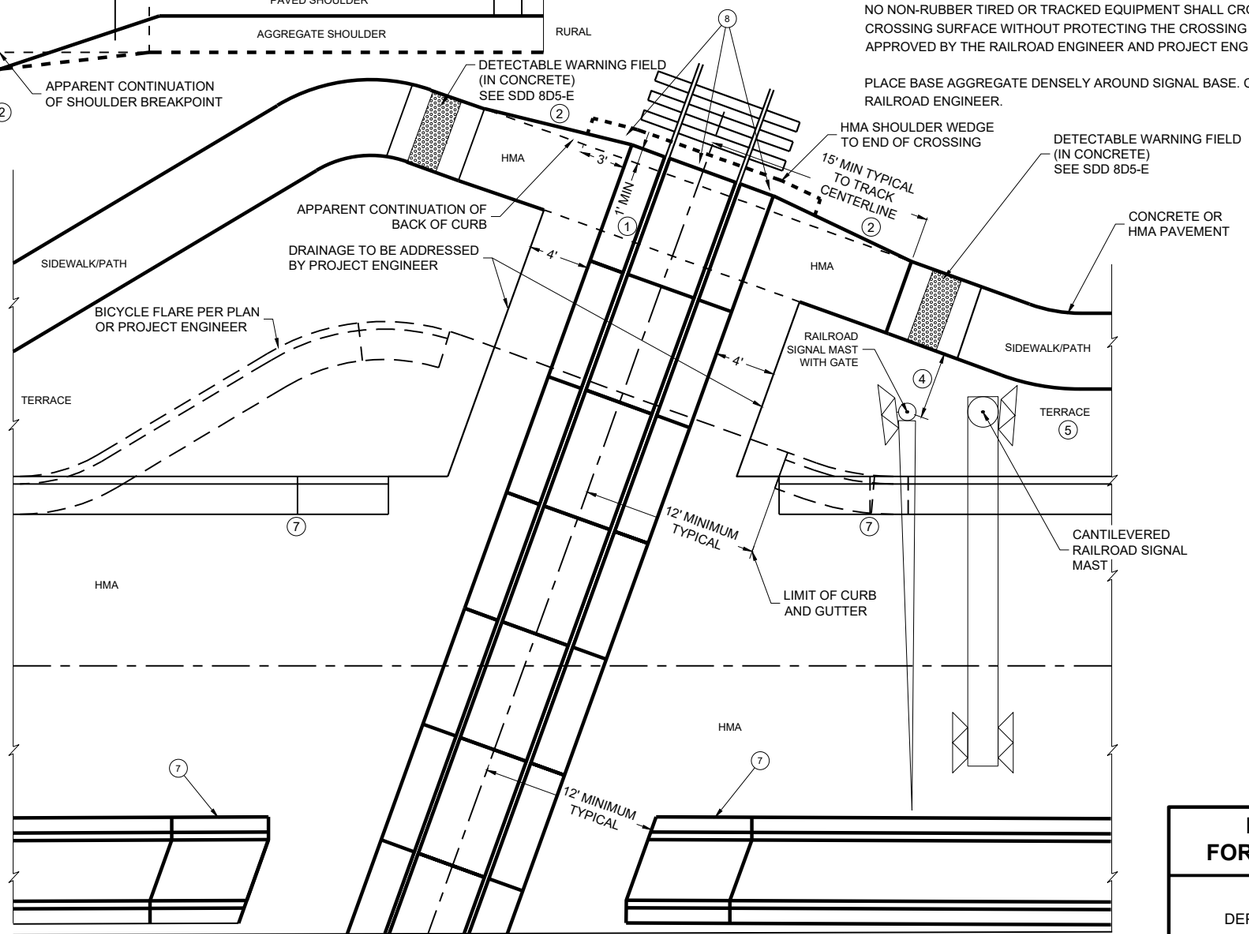
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

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

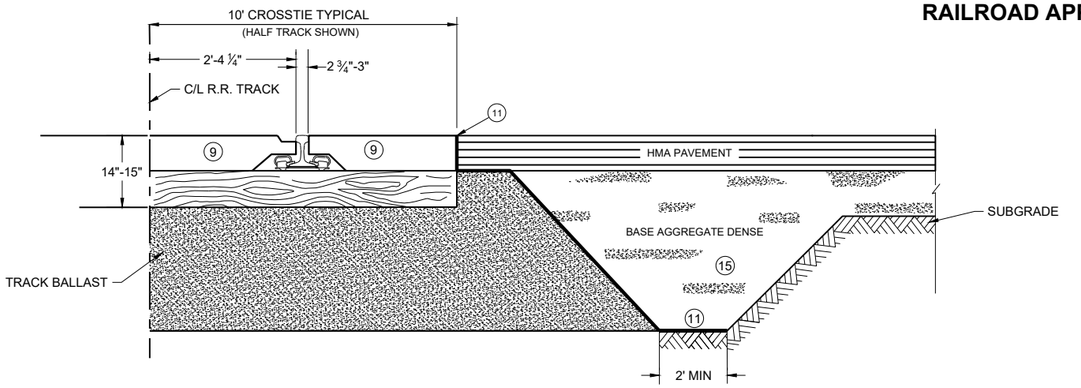
APPROVED
May 2023 — DATE
/S/ Kristen Sommers — STATE RAILROAD ENGINEERING AND SAFETY SUPERVISOR

FHWA

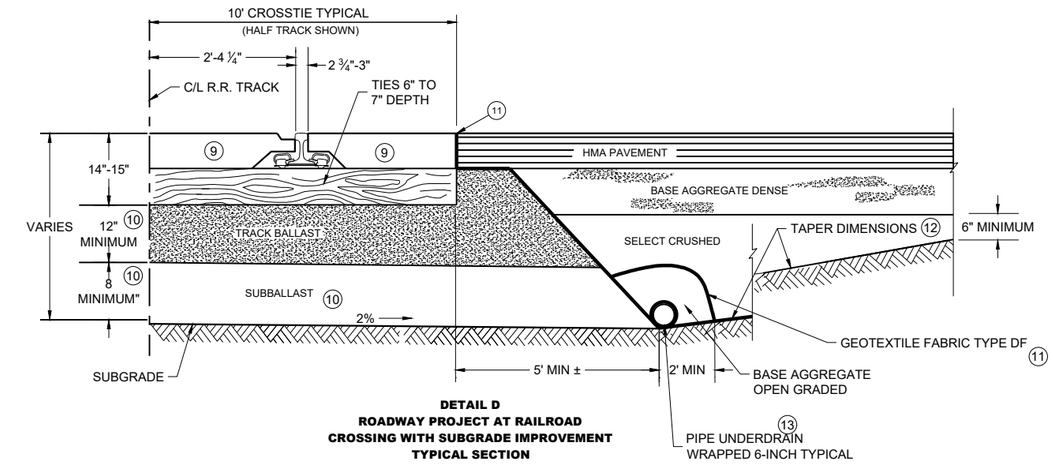
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SDD 13B01-11a

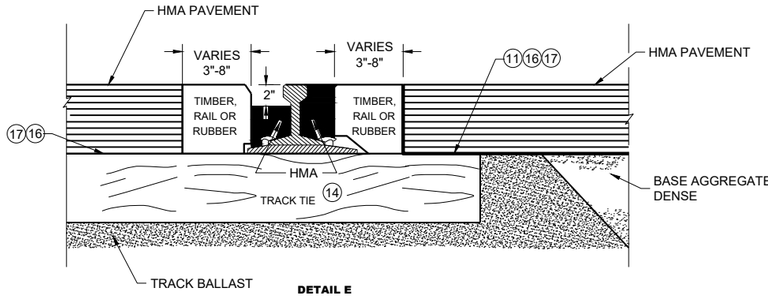
TYPICAL SECTIONS FOR RAILROAD APPROACH



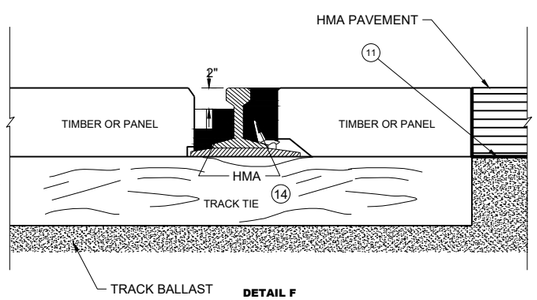
DETAIL C
ROADWAY PROJECT AT RAILROAD
CROSSING WITHOUT SUBGRADE IMPROVEMENT
TYPICAL SECTION



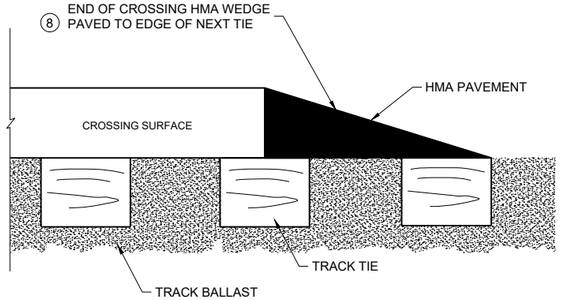
DETAIL D
ROADWAY PROJECT AT RAILROAD
CROSSING WITH SUBGRADE IMPROVEMENT
TYPICAL SECTION



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

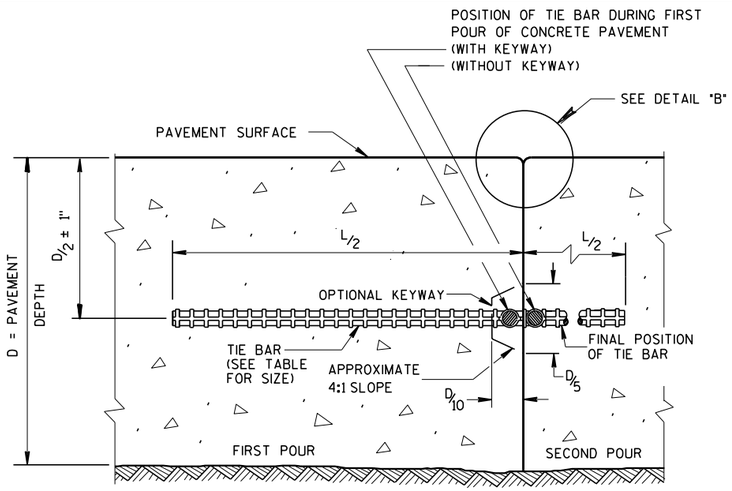
FHWA

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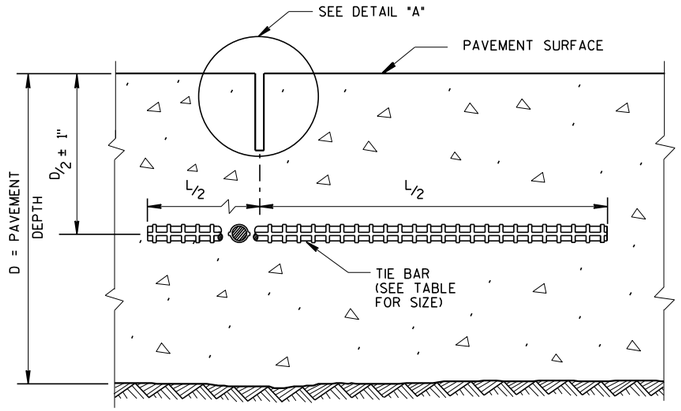
SDD 13B01-11b

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SDD 13B01-11b



CONSTRUCTION JOINT



SAWED JOINT

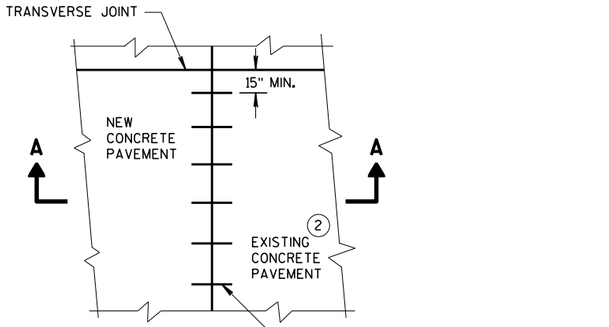
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

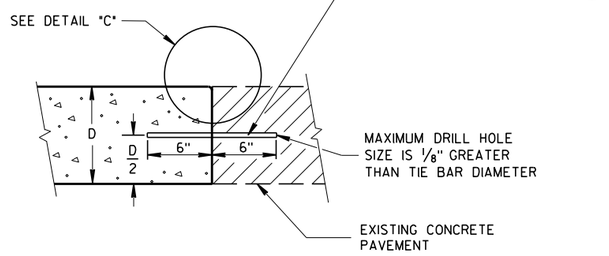
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

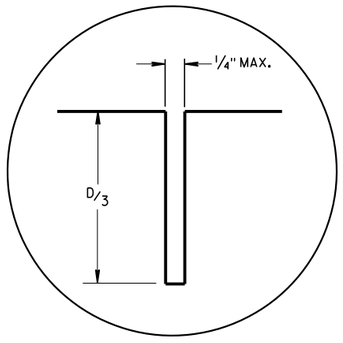


PLAN VIEW

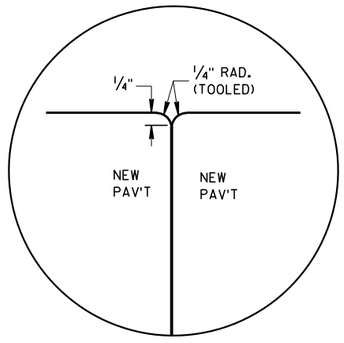


SECTION A-A

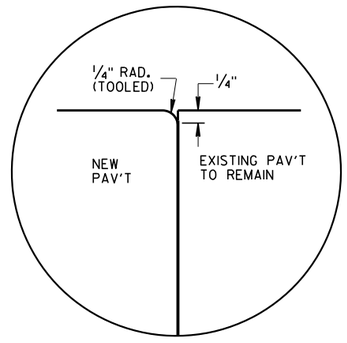
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



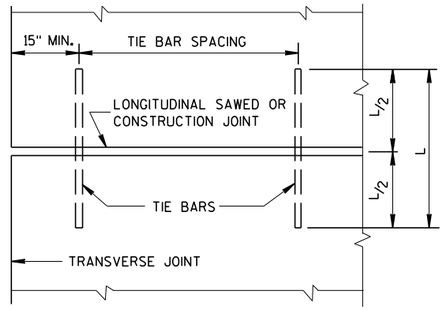
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

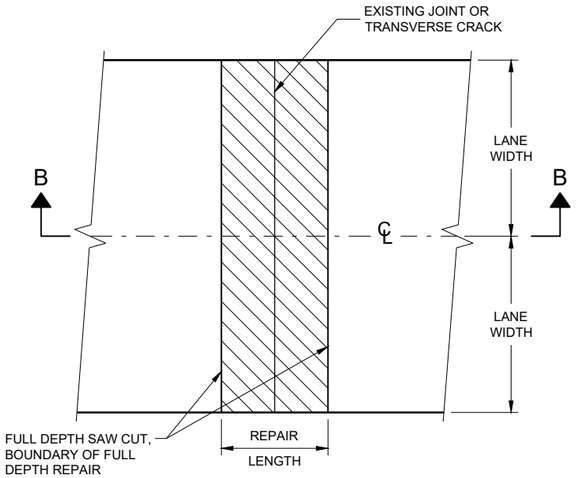
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

6

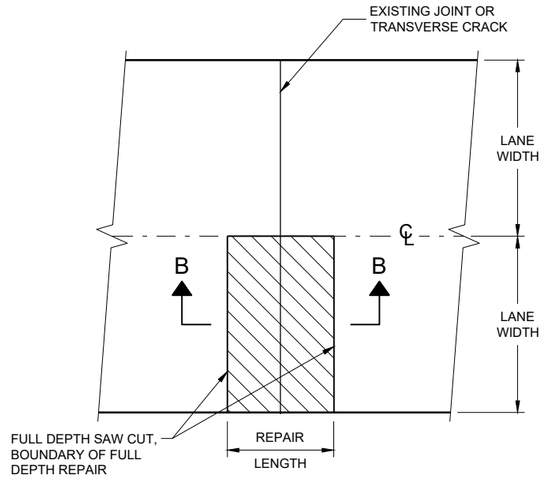
S.D.D. 13 C 1-19

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S.D.D. 13 C 1-19



PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

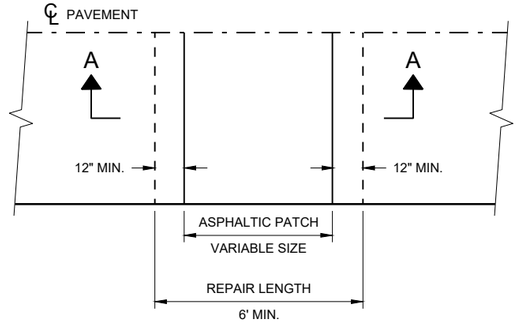
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

PROVIDE A 6 FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREA TO ADJACENT TRANSVERSE JOINT OR CRACK.

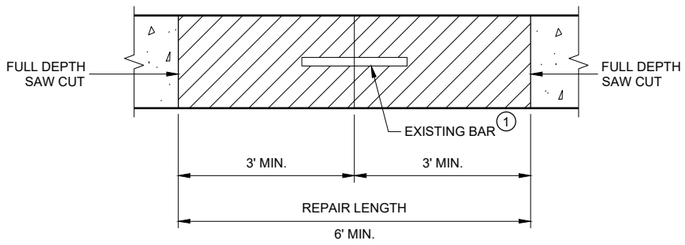
THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NON-DOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

(1) DOWEL BARS MAY NOT BE PRESENT.

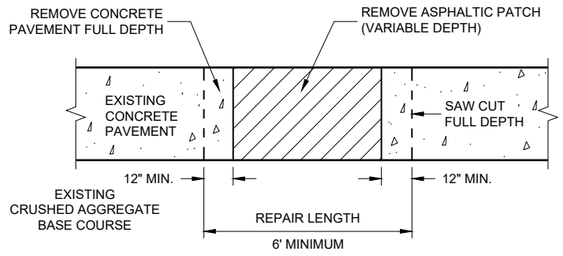


PLAN VIEW

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION B - B
CONCRETE REMOVAL



SECTION A - A

HMA PATCH REMOVAL

6

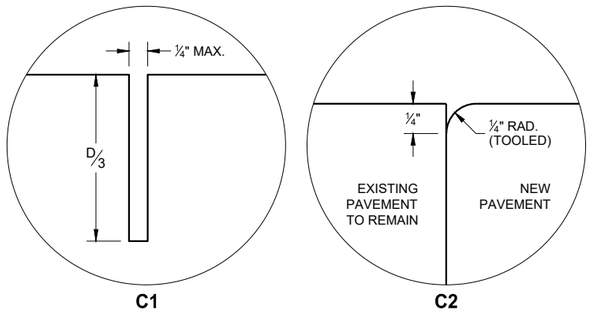
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SDD 13C09 - 17a

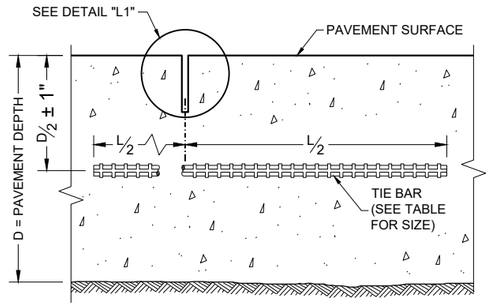
SDD13C09 - 17a

CONCRETE PAVEMENT
REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

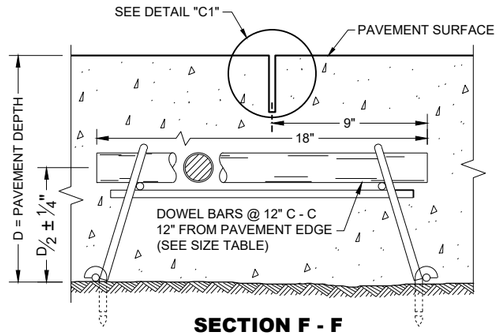


TRANSVERSE JOINTS



SECTION C - C

SAWED LONGITUDINAL JOINT



SECTION F - F

DOWELED CONTRACTION JOINT

GENERAL NOTES

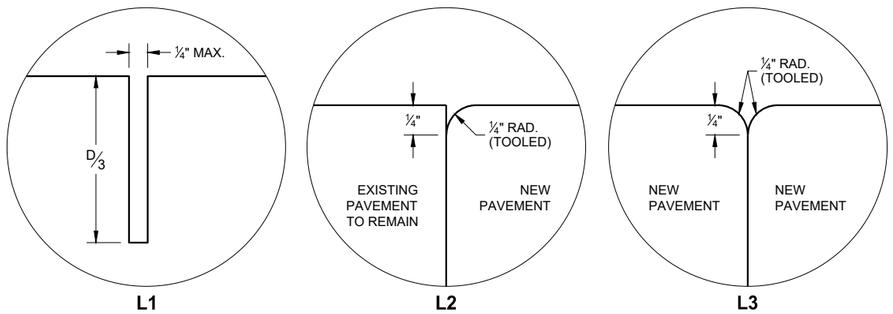
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

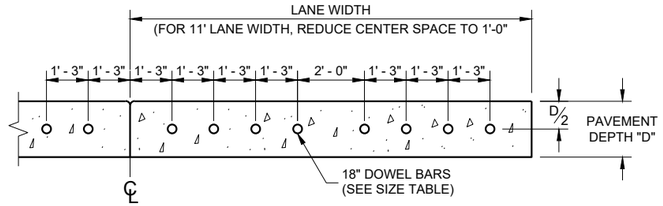
ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

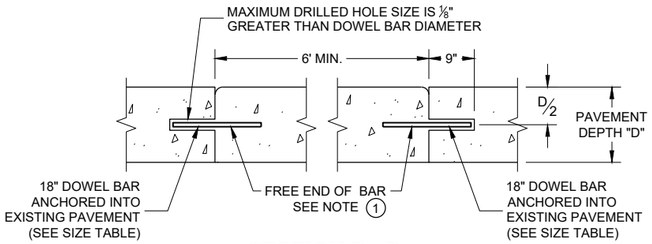


LONGITUDINAL JOINTS



SECTION E - E

DRILLED DOWEL BAR CONSTRUCTION JOINT



SECTION D - D

TIE BAR TABLE

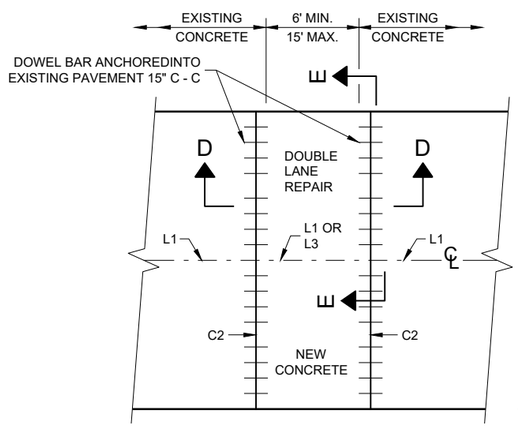
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

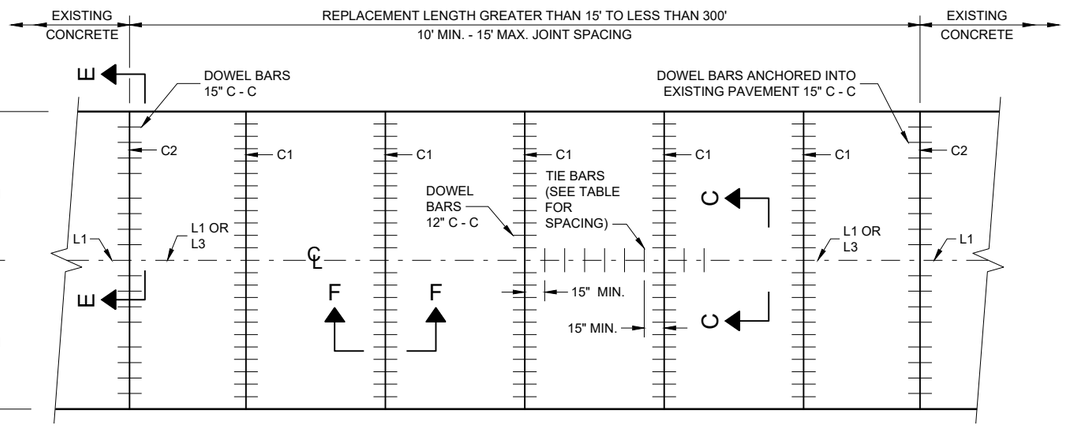
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	NONE	12'
7", 7 ½"	1"	1"	14'
8" & ABOVE	1 ¼"	1 ¼"	15'



PLAN VIEW

MULTILANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

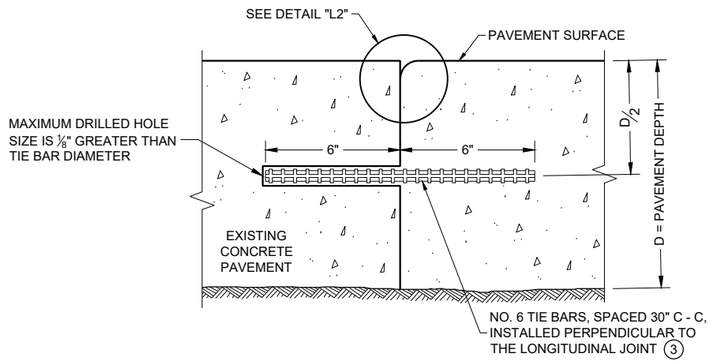
MULTILANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13C09 - 17b

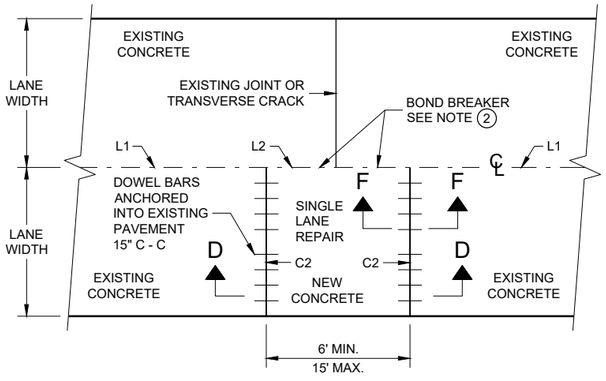


SECTION G - G

TIE BARS ANCHORED INTO EXISTING PAVEMENT

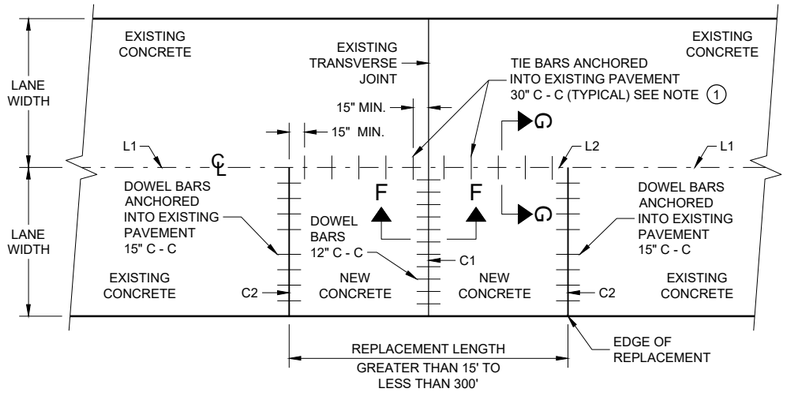
GENERAL NOTES

1. WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
2. USE AN ENGINEER APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
3. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE REPAIR AND REPLACEMENT

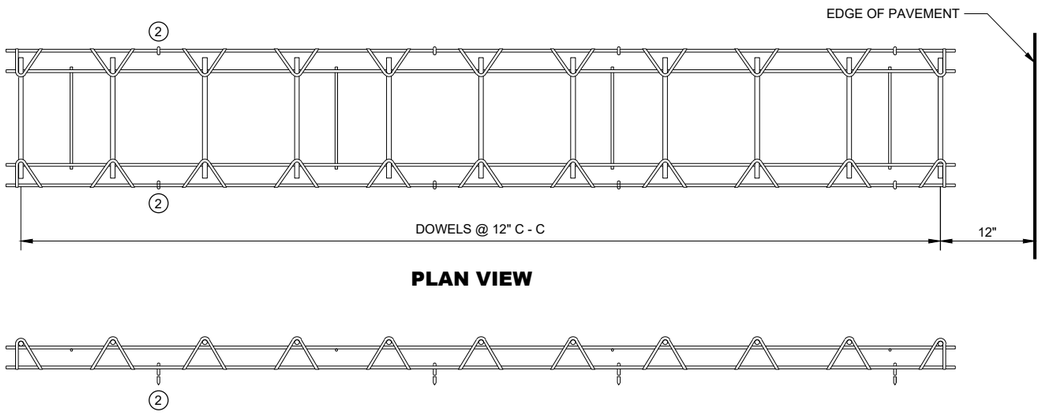
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE
/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

FHWA

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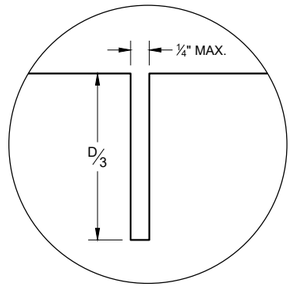
SDD 13C09 - 17c



PLAN VIEW

SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY (1)



JOINT DETAIL

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES FROM AND A MAXIMUM OF 18 INCHES FROM THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO THE CONTRACTION JOINTS.

(1) OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTION CONTRACTION JOINTS.

(2) SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

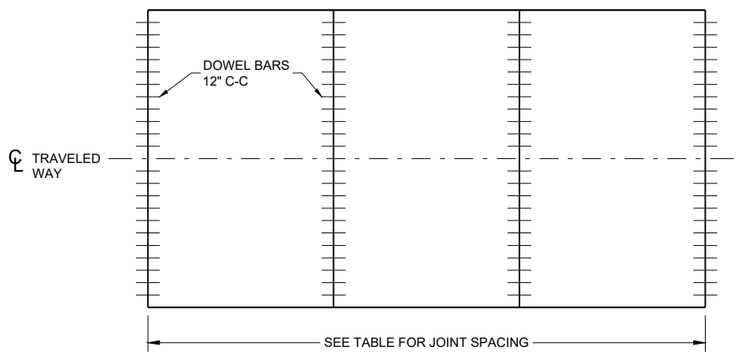
(3) FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼" RADIUS AT FORMED JOINTS.

(4) PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

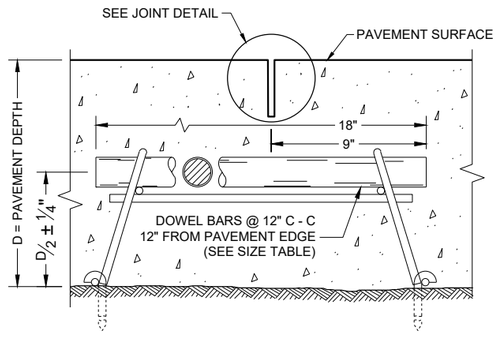
(5) INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C - C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO THE "DRILLED DOWEL BAR CONSTRUCTION JOINT" DETAIL.

(6) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

(7) ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛" GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



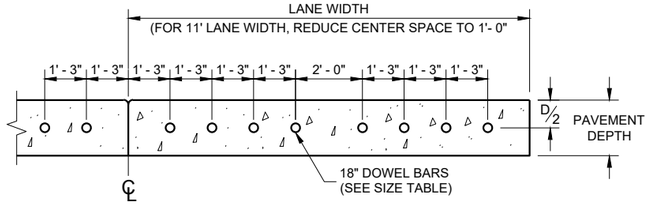
CONTRACTION JOINT LOCATIONS



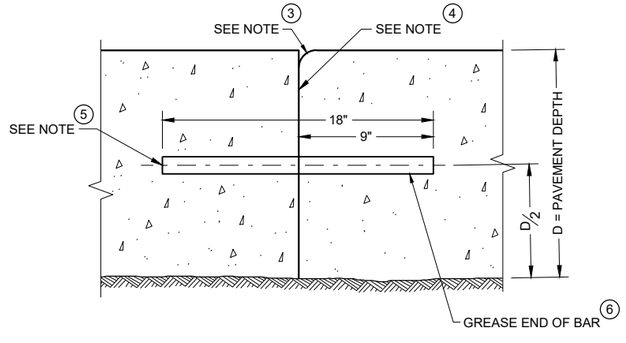
DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8" & ABOVE	1 ¼"	15'



DRILLED DOWEL BAR CONSTRUCTION JOINT (7)



TRANSVERSE CONSTRUCTION JOINT

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

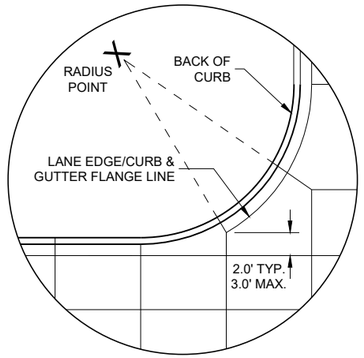
FHWA

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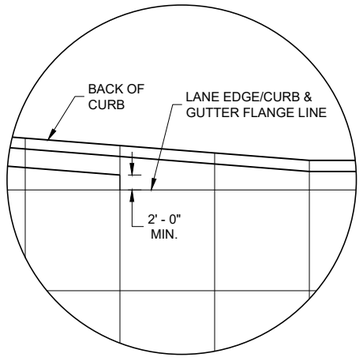
SDD 13C13 - 11

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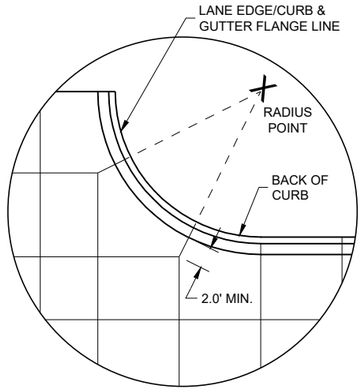
SDD 13C13 - 11



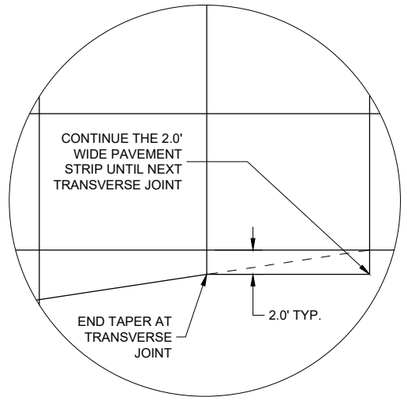
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

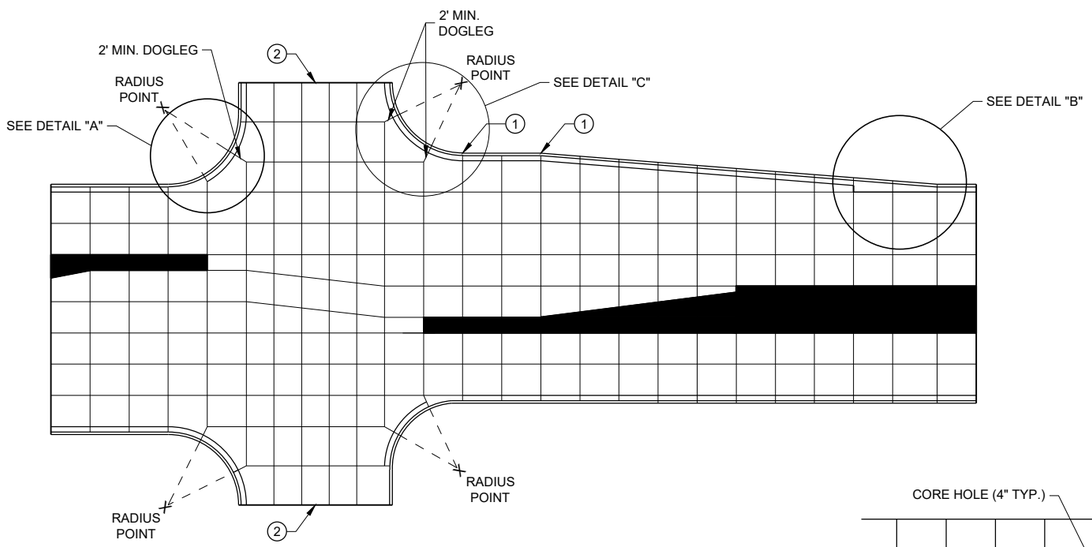
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

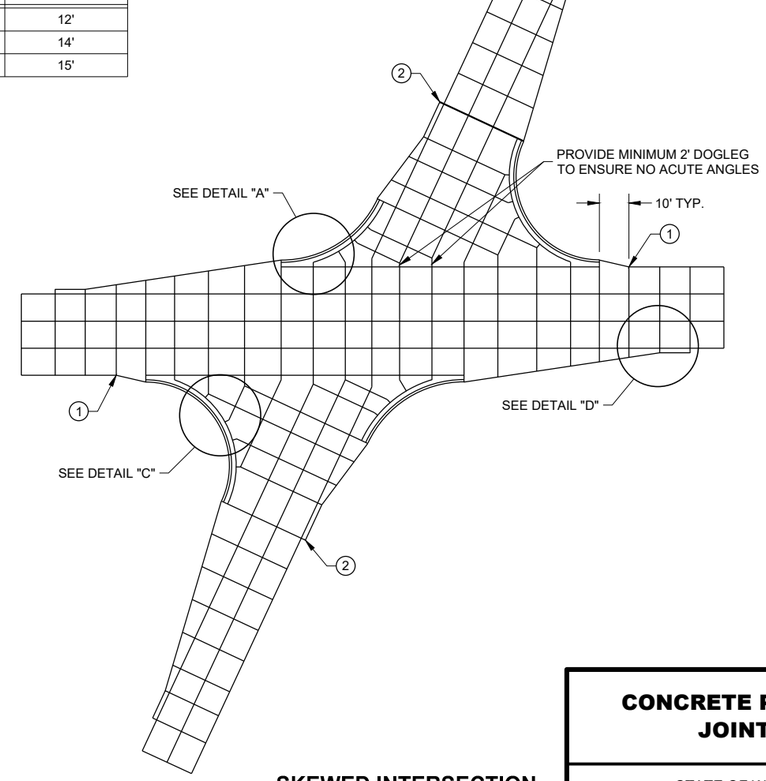
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



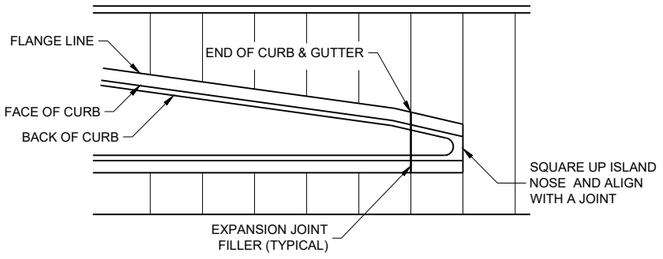
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

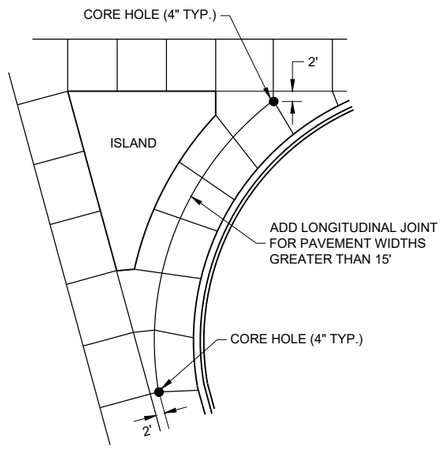
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
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SDD 13C18 - 08a

6

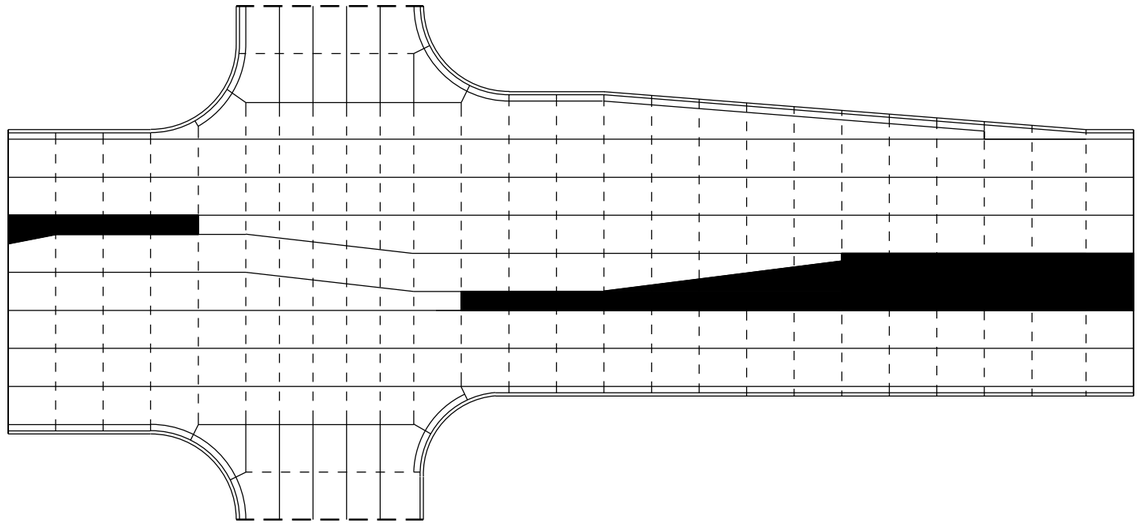
SDD 13C18 - 08a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

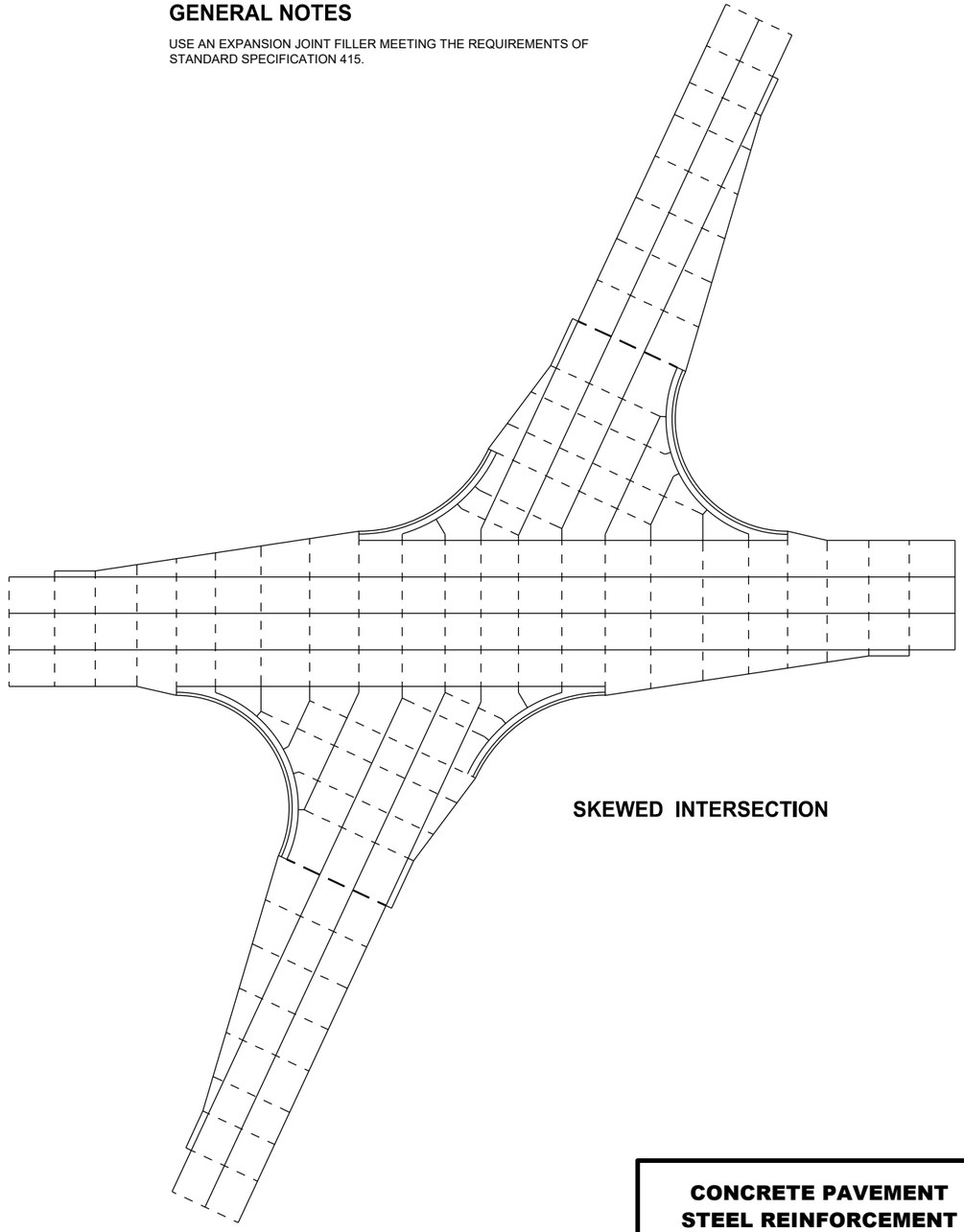
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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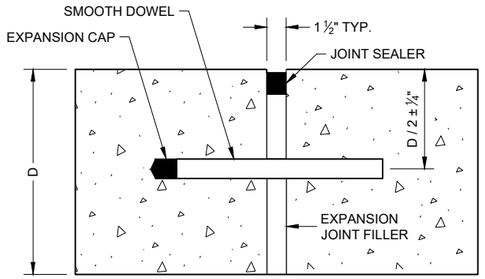
SDD 13C18 - 08b

CONCRETE PAVEMENT STEEL REINFORCEMENT

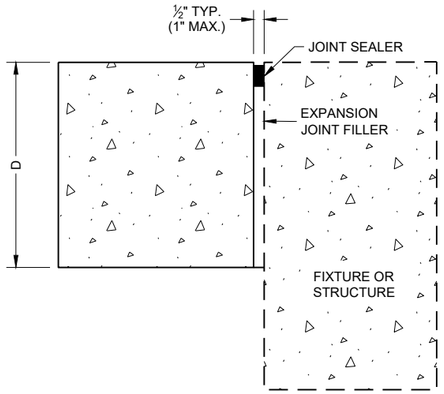
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 08b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

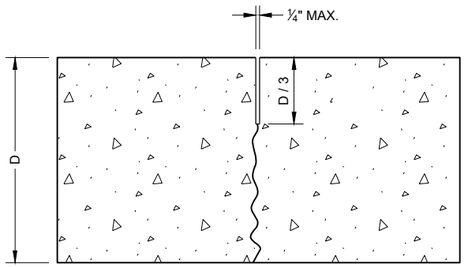
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

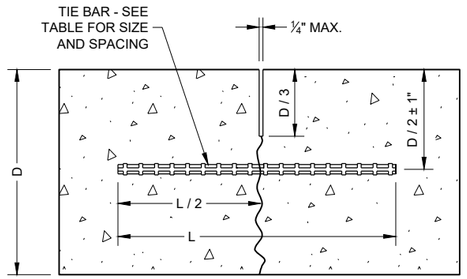
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

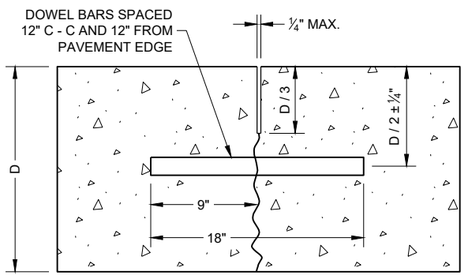
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

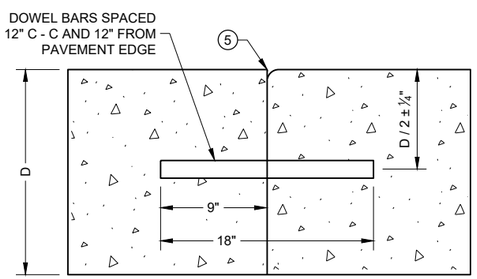


TIED LONGITUDINAL

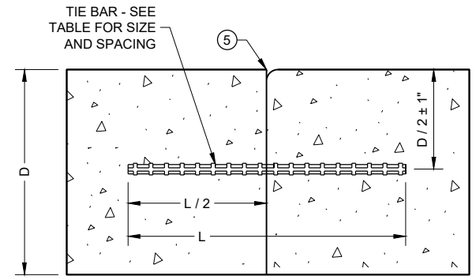


DOWELED TRANSVERSE

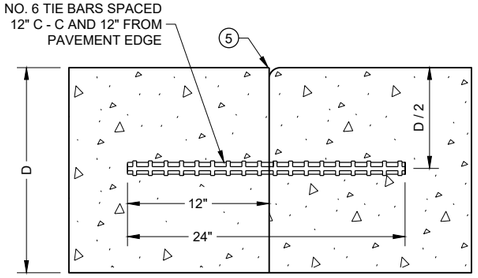
CONTRACTION JOINTS (2)



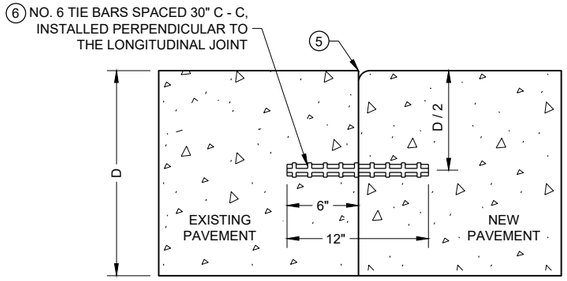
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

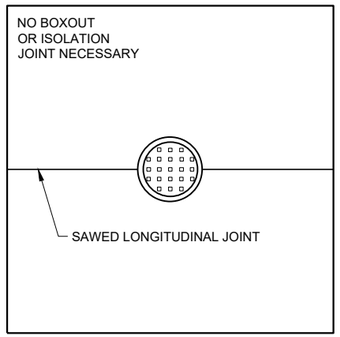
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

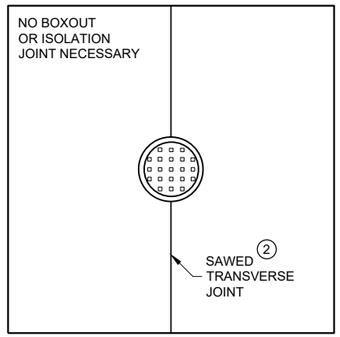
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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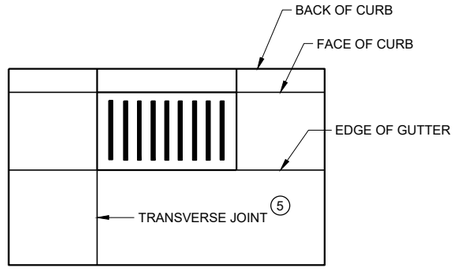
SDD 13C18 - 08c



MANHOLE WITH LONGITUDINAL JOINT



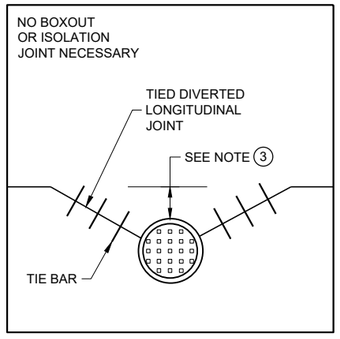
MANHOLE WITH TRANSVERSE JOINT



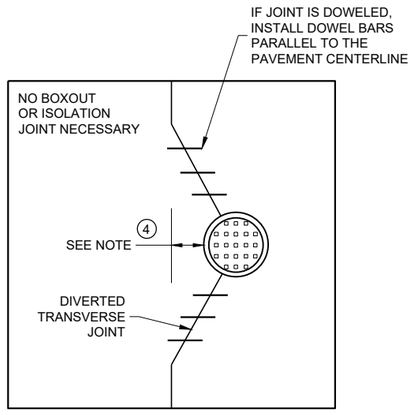
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

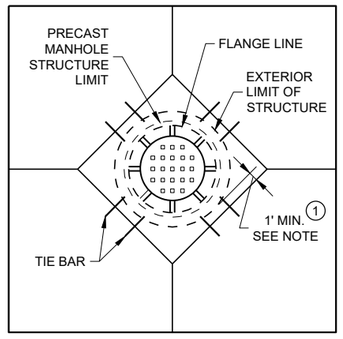
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

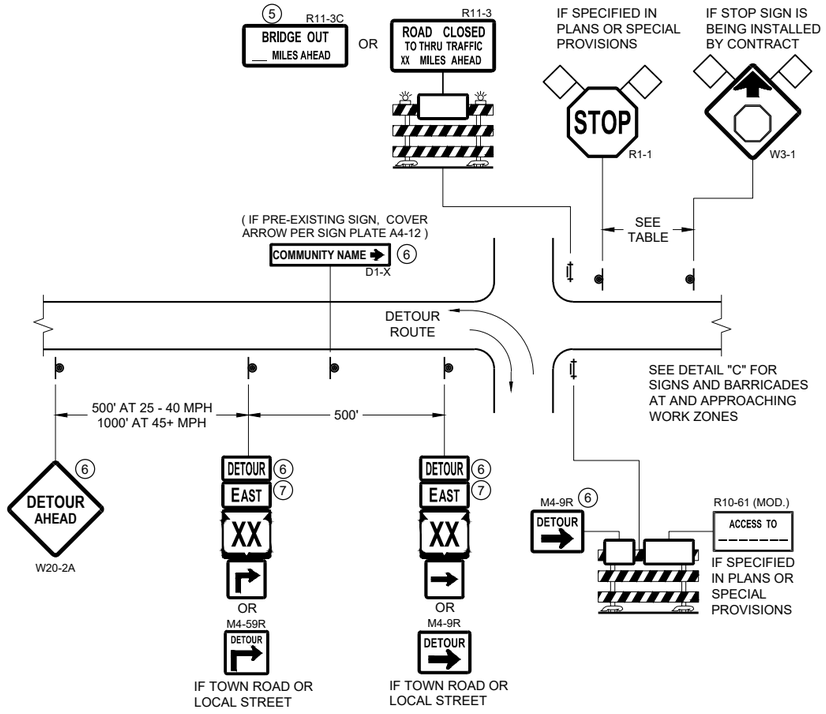
/S/ Peter Kemp P.E.
PAVEMENT SUPERVISO

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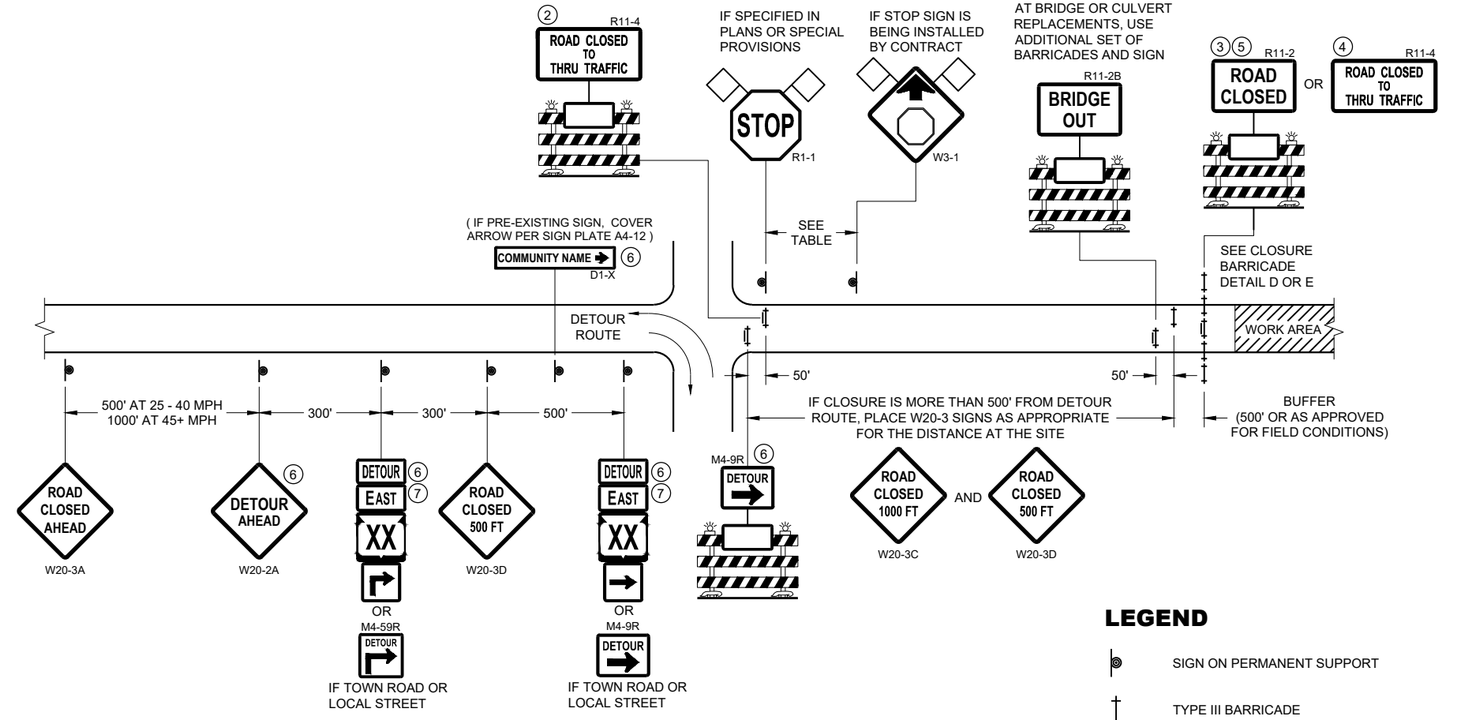
SDD13C18 - 08d

SDD13C18 - 08d



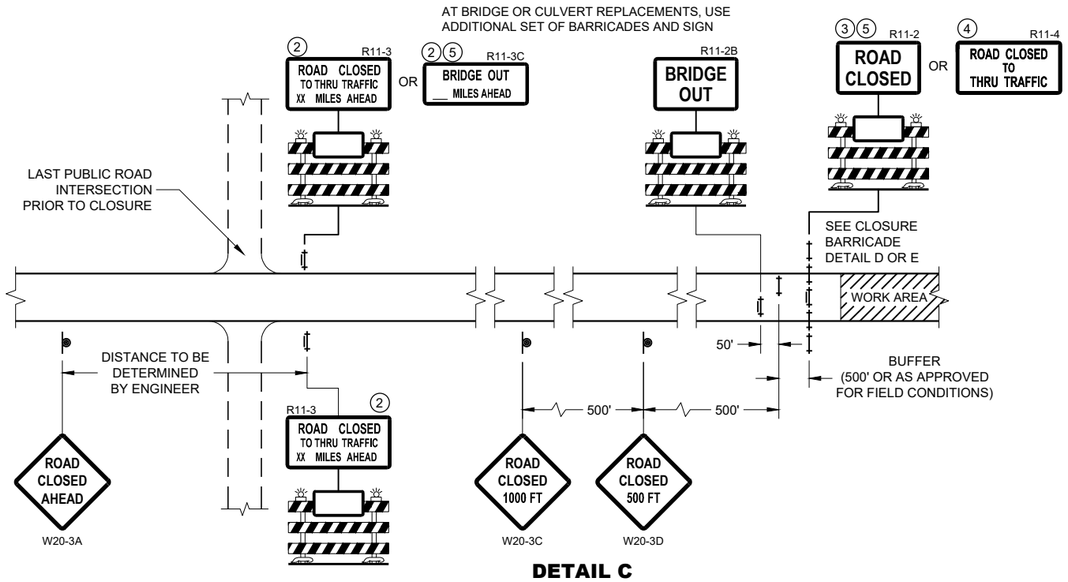
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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

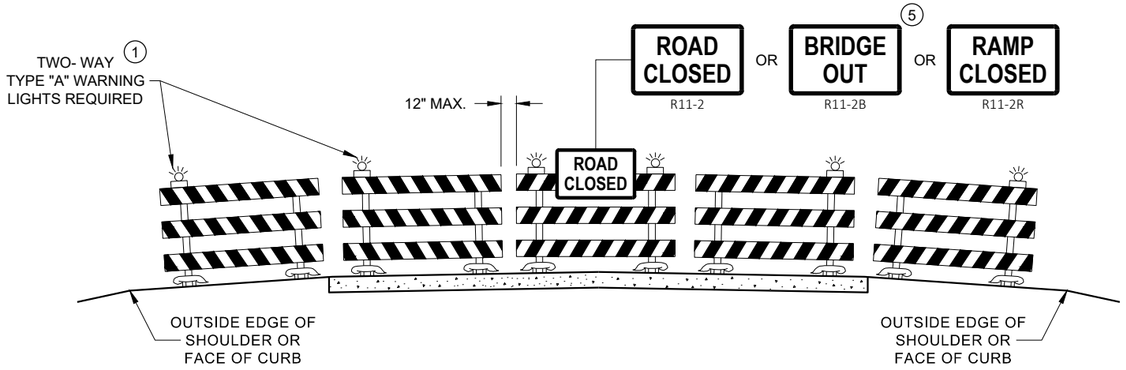
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

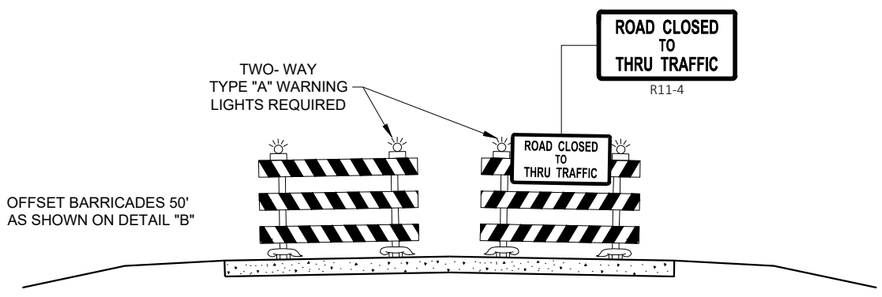
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SDD 15C02 - 09a



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

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SDD 15C02 - 09b

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

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

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

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

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

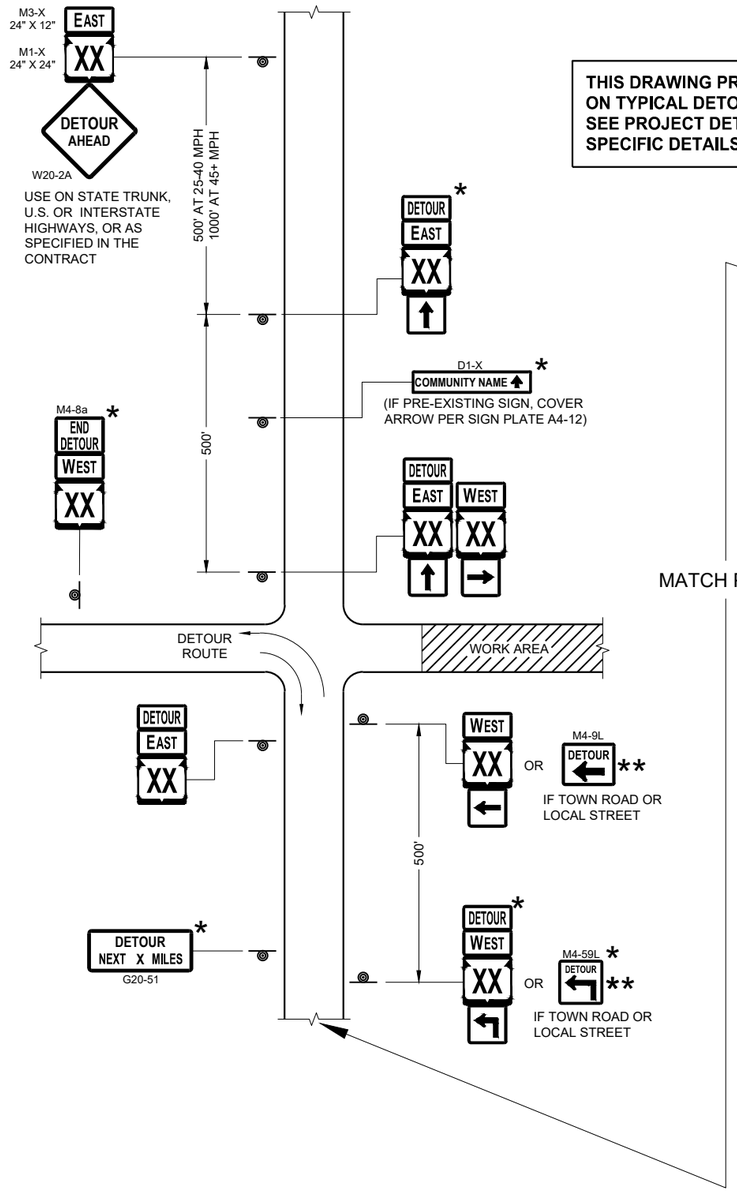
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

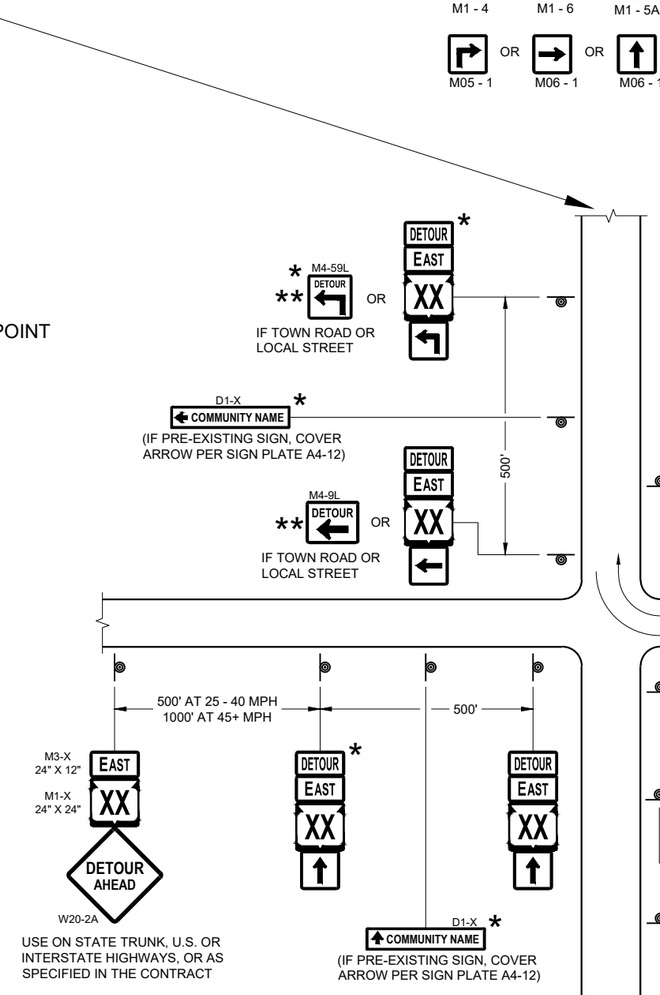
SIGN SIZES SHALL BE AS FOLLOWS:

- 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)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT





SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA

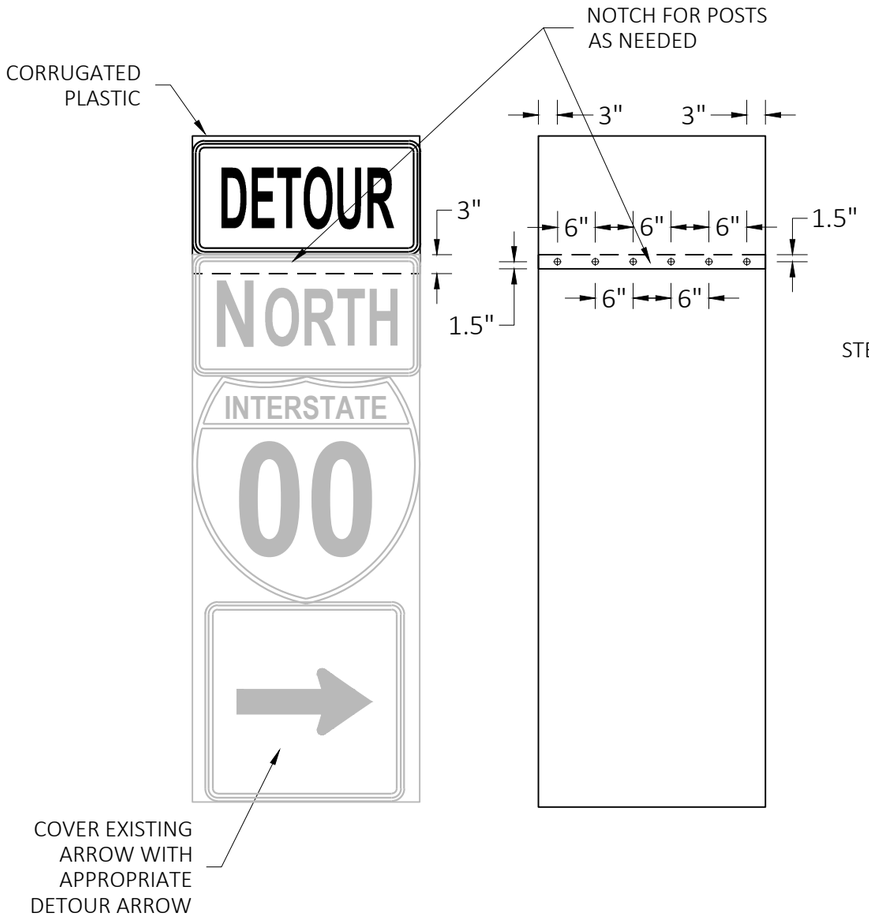
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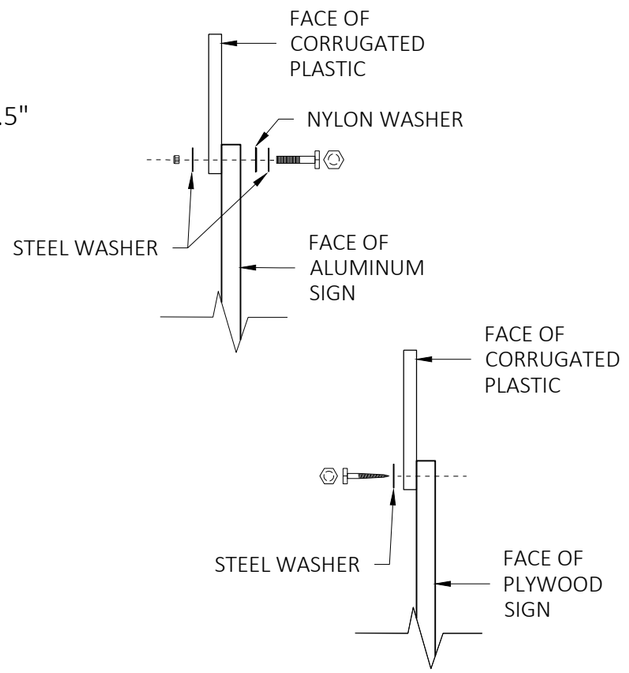
SDD 15C02 - 09c

FRONT SIDE

BACK SIDE

SIDE VIEW





GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS 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, SC3

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.

PLYWOOD SIGNS:
LAG SCREWS - 5/16" x 1"
ALUMINUM SIGNS:
MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS
WASHERS:
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

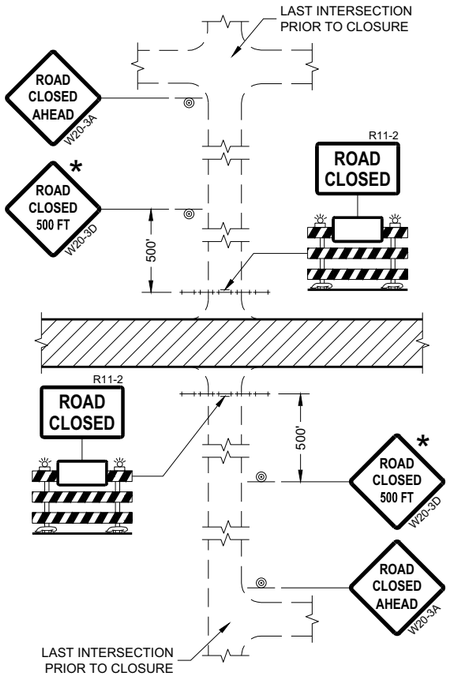
MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

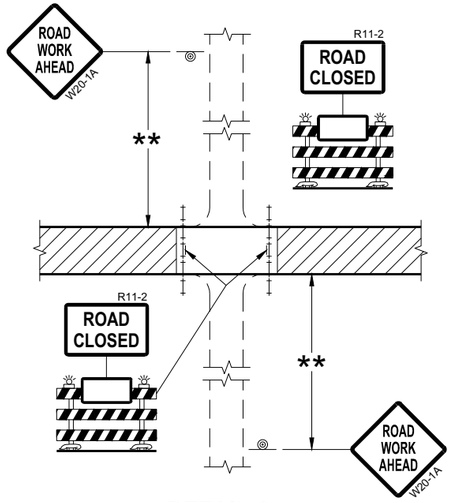
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVEL ENGINEER
FHWA

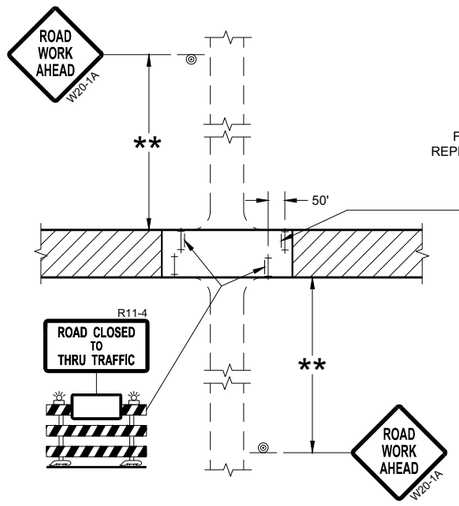
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SDD 15C02-09h



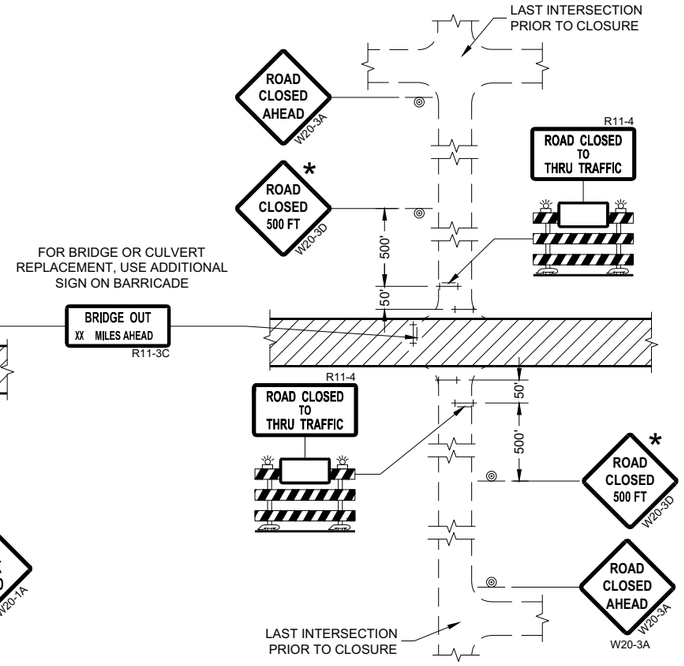
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT 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.

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

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6

SDD 15C03 - 05

GENERAL NOTES

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

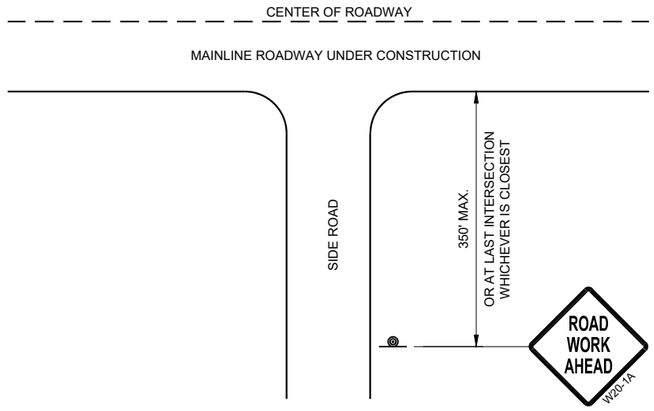
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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.



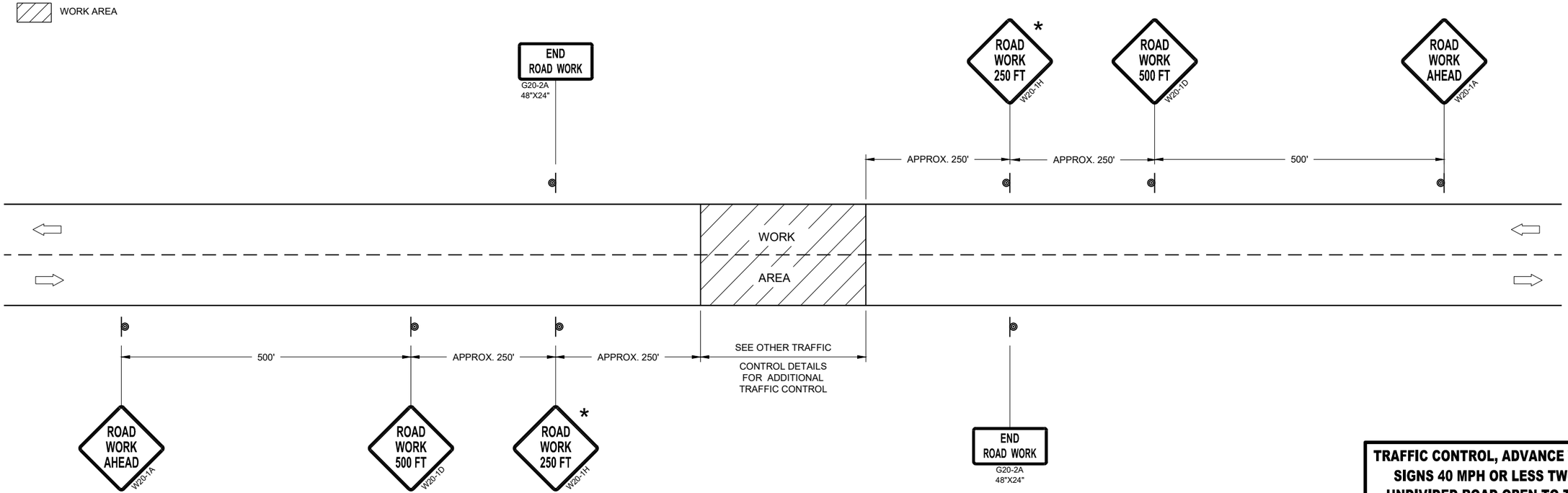
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

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

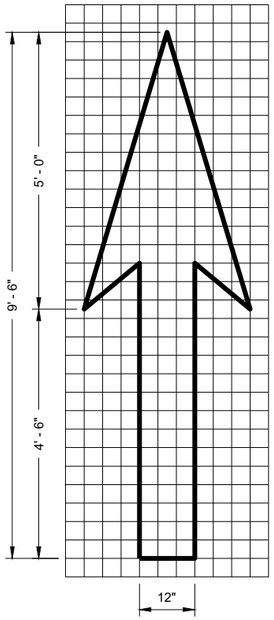
FHWA

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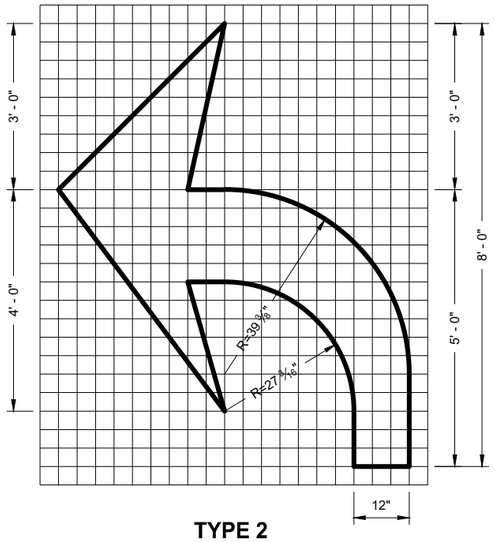
SDD 15C05 - 05

GENERAL NOTES

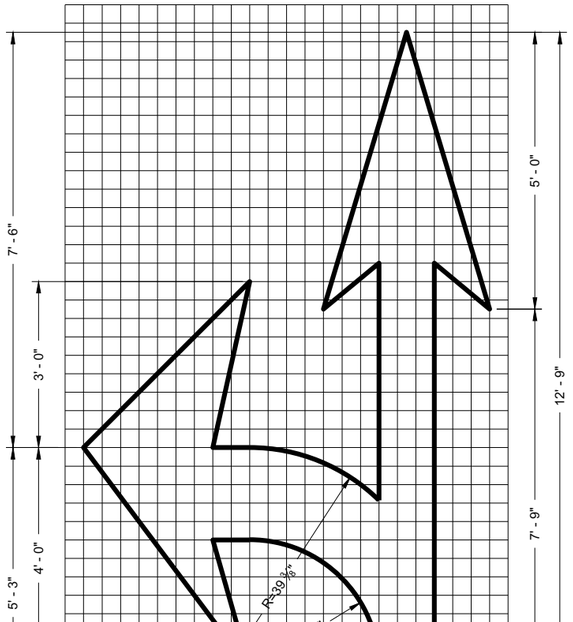
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



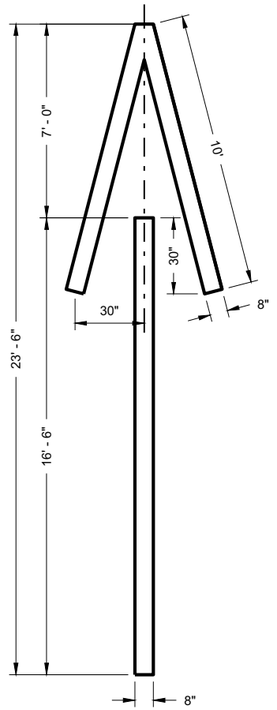
TYPE 1



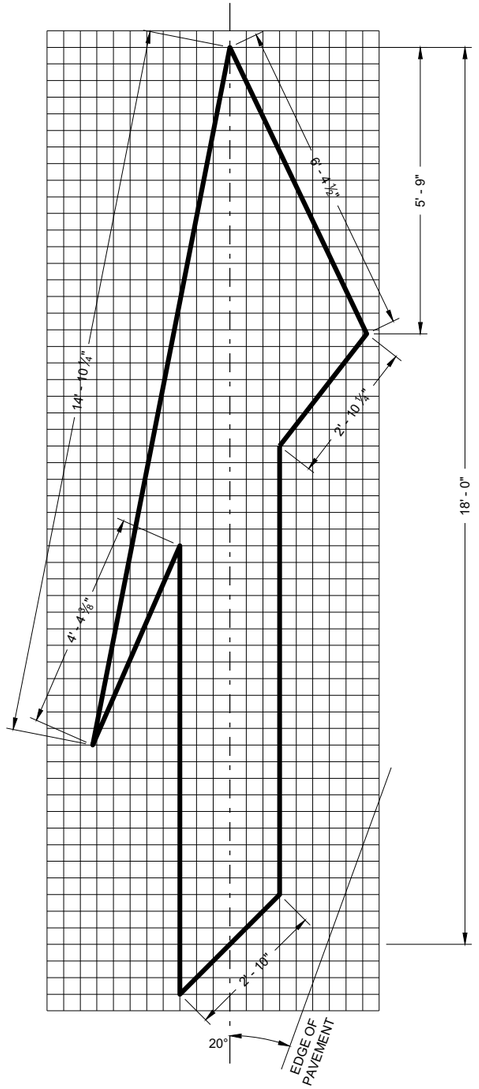
TYPE 2



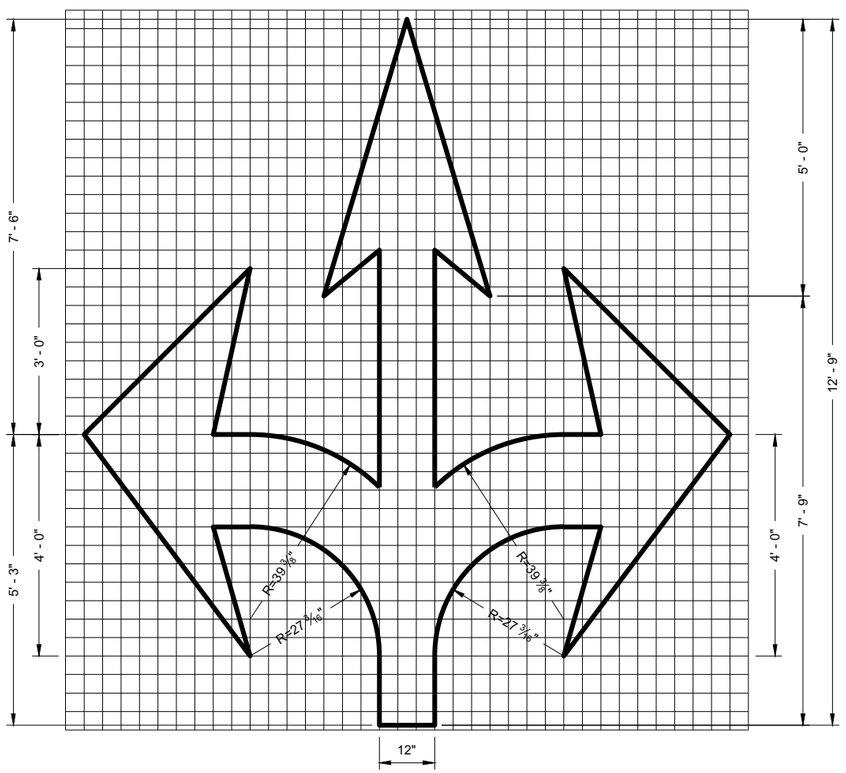
TYPE 3



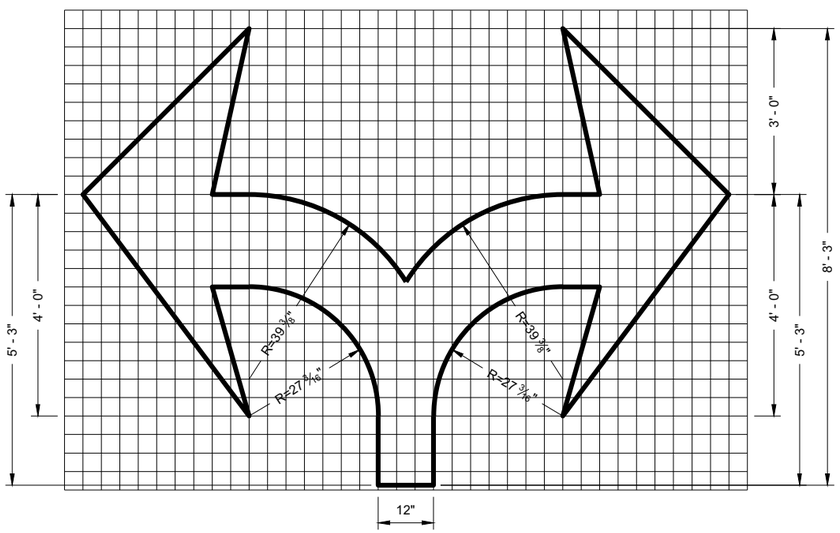
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

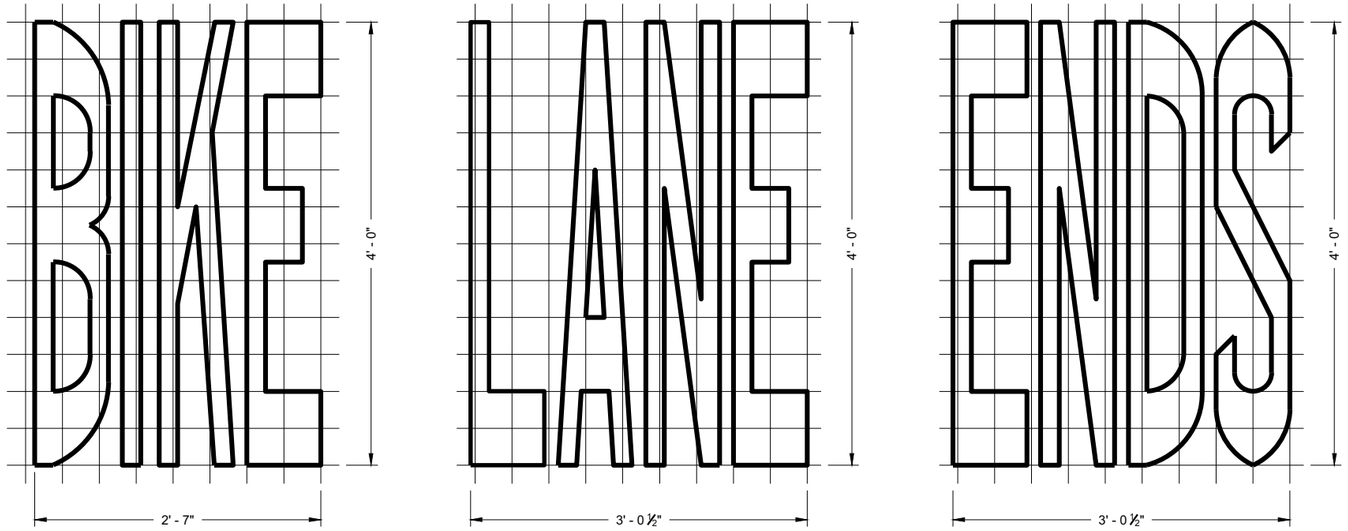
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SDD 15C07 - 15c

6

SDD 15C07 - 15c

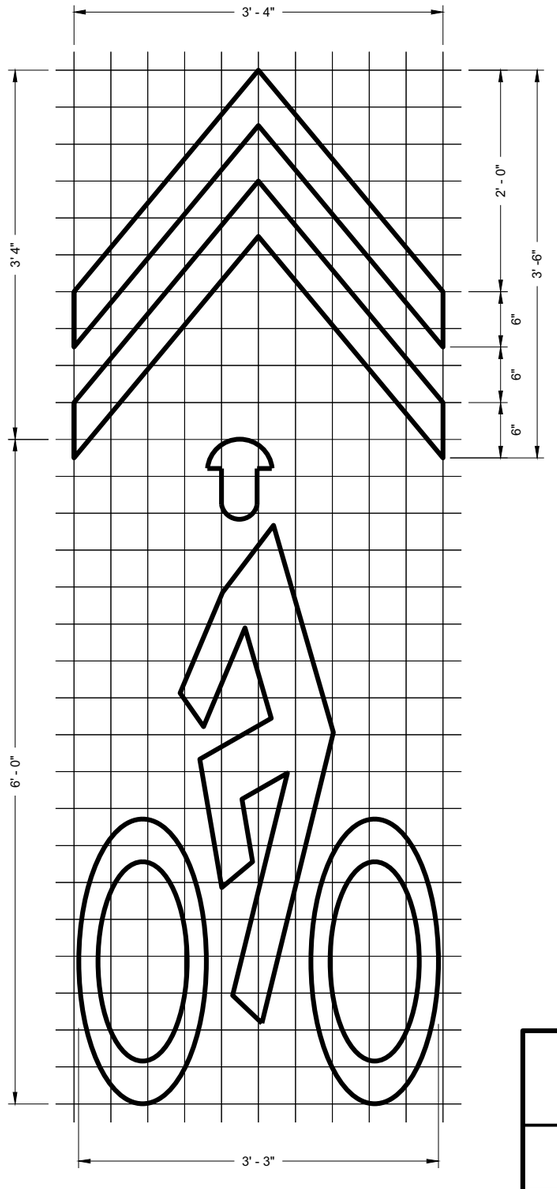
SDD 15C7-e Pavement Marking For Bike Lanes

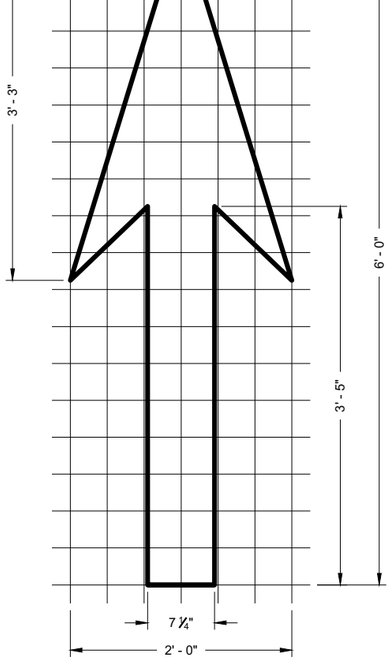


BIKE LANE WORDS

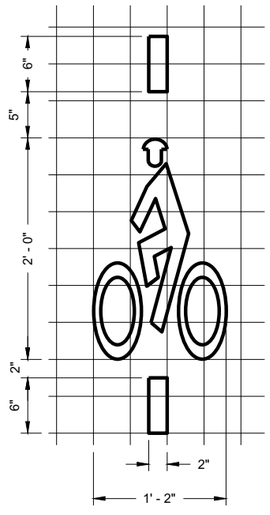
GENERAL NOTES

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.

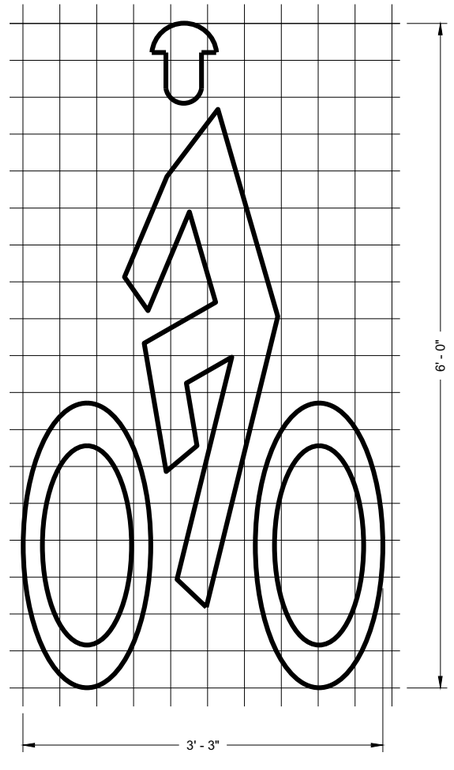




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C07 - 15e

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.

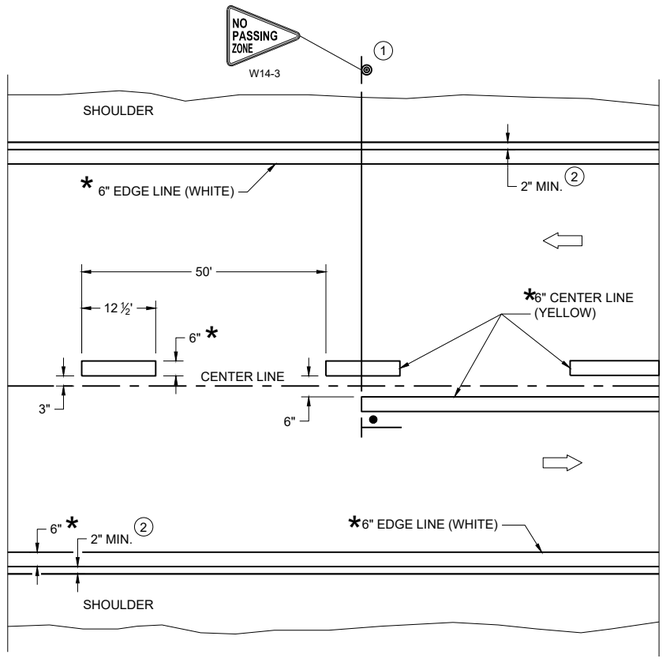
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

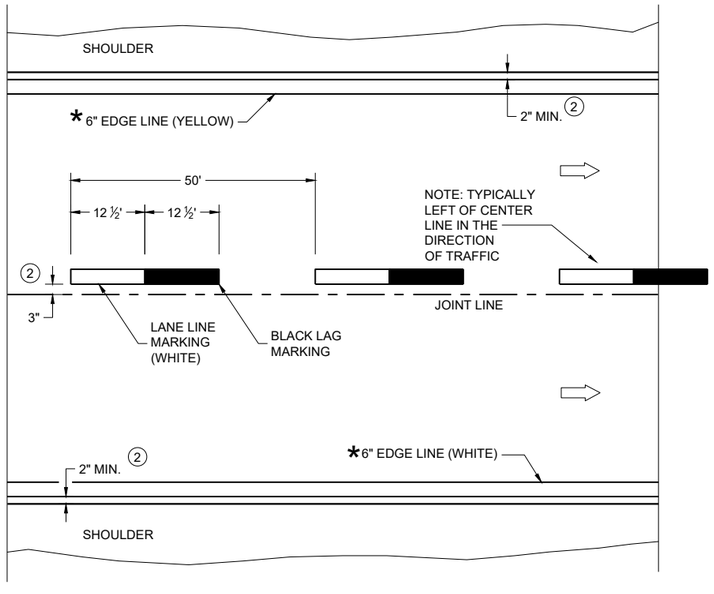
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

6

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

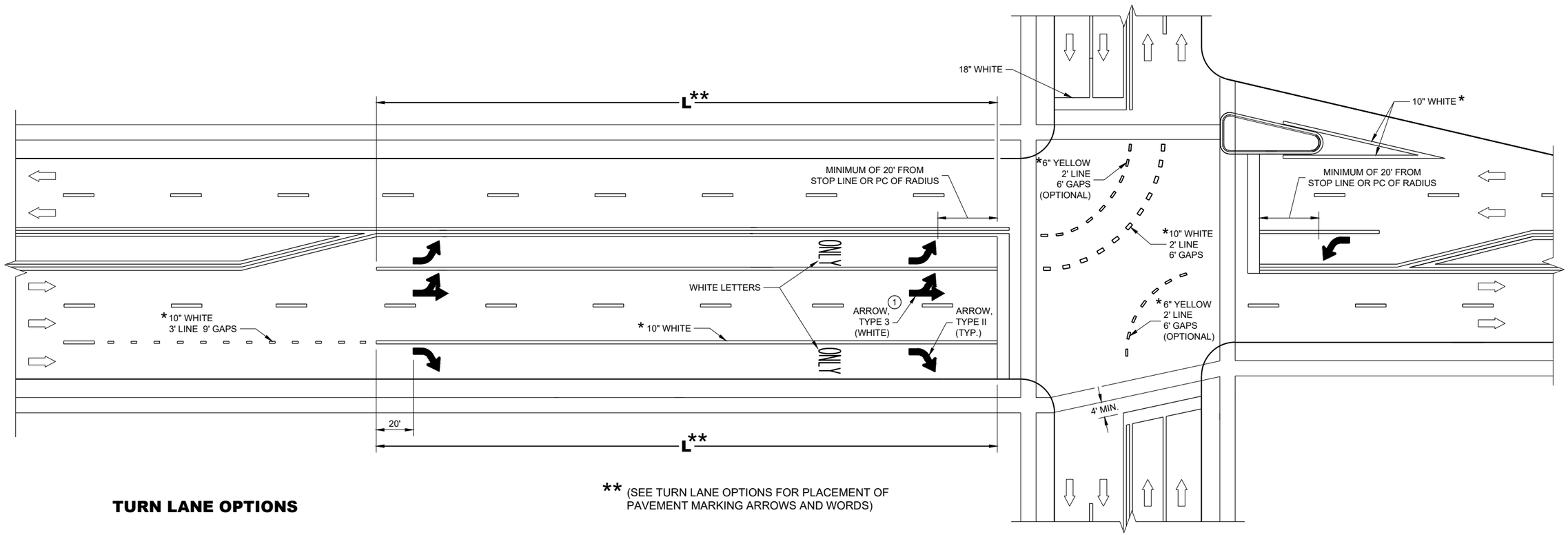
APPROVED

May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

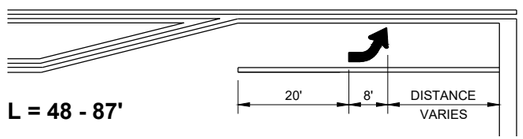
SDD 15C08-23a

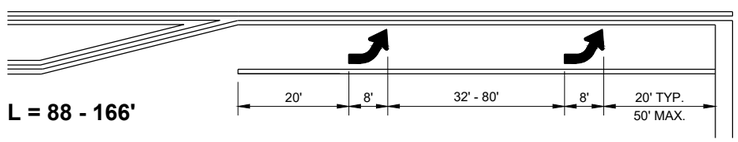


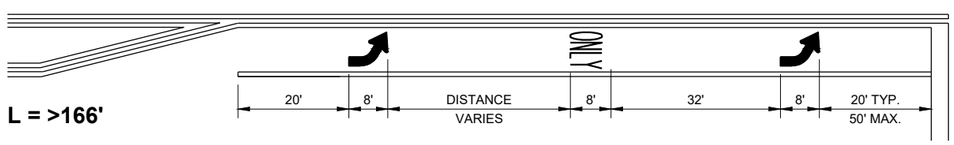
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS







GENERAL NOTES

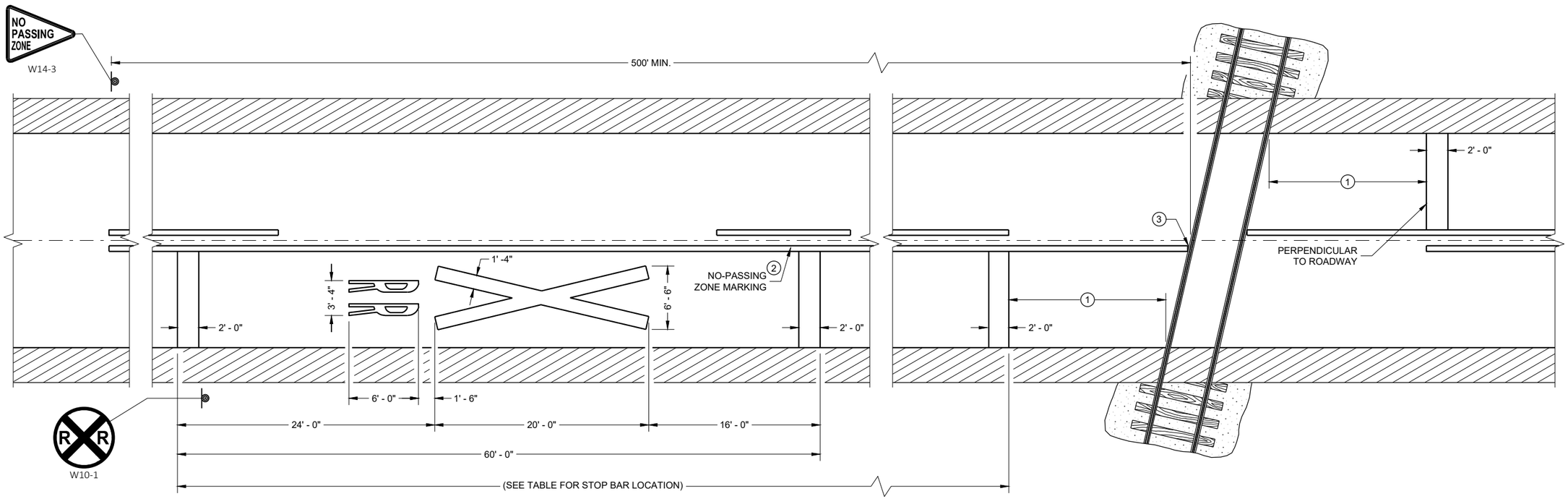
(1) QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

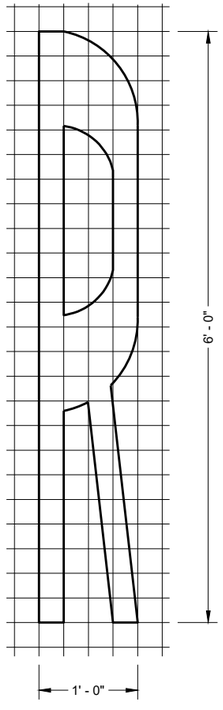
L = LENGTH OF TURN BAY

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)



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

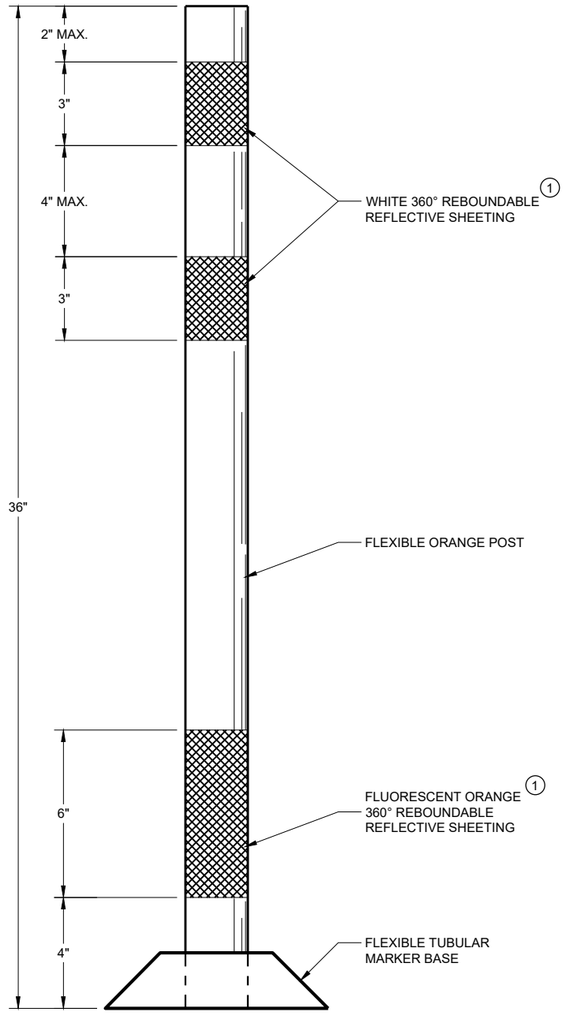
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May 2023 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MAR ENGINEER

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6

SDD 15C09-13a

SDD 15C09-13a



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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November 2022 — DATE
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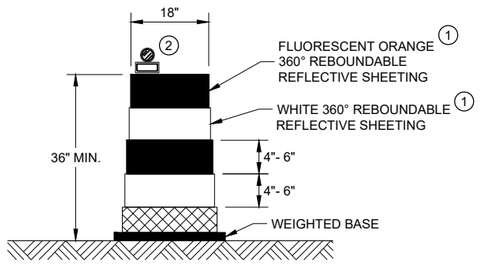
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SDD 15C11 - 10a

SDD 15C11 - 10a

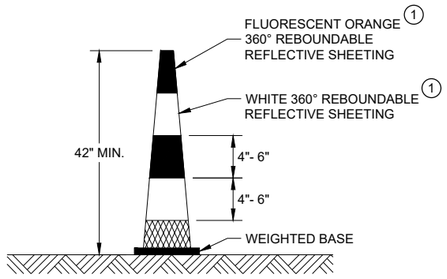
GENERAL NOTES

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

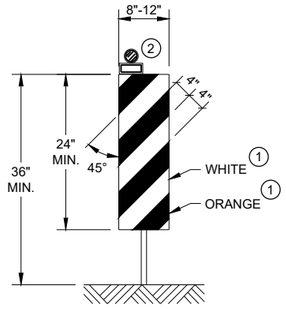
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

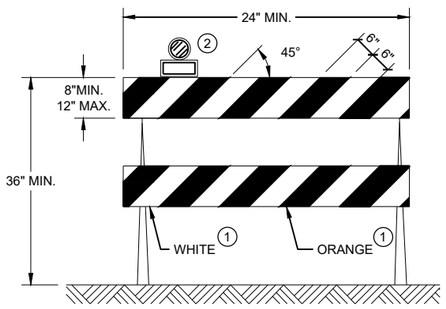
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



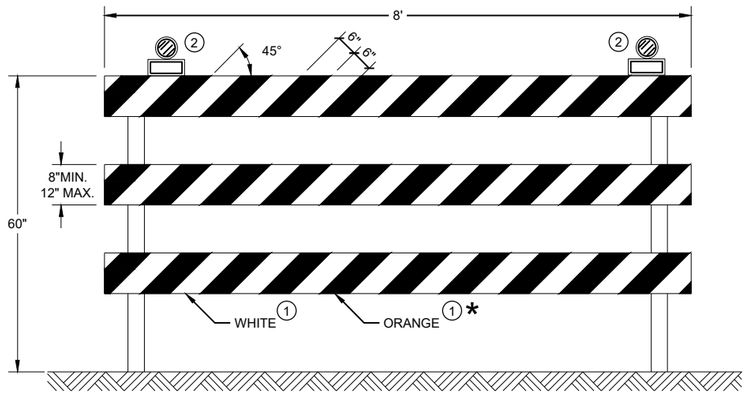
VERTICAL PANEL

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

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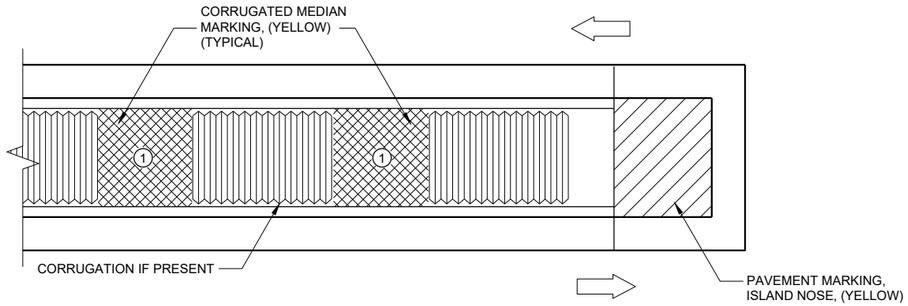
APPROVED
November 2022
DATE

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WORK ZONE ENGINEE

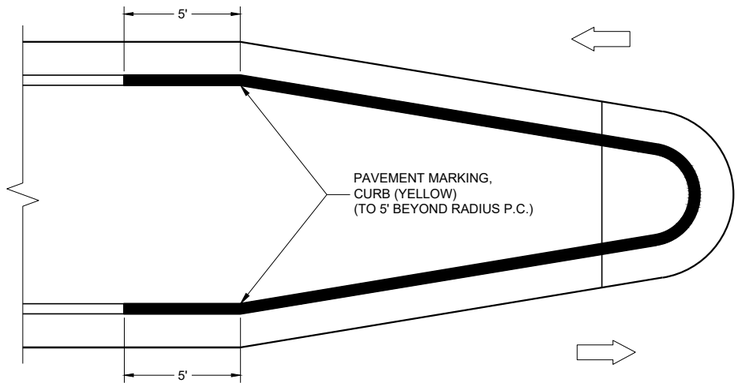
FHWA

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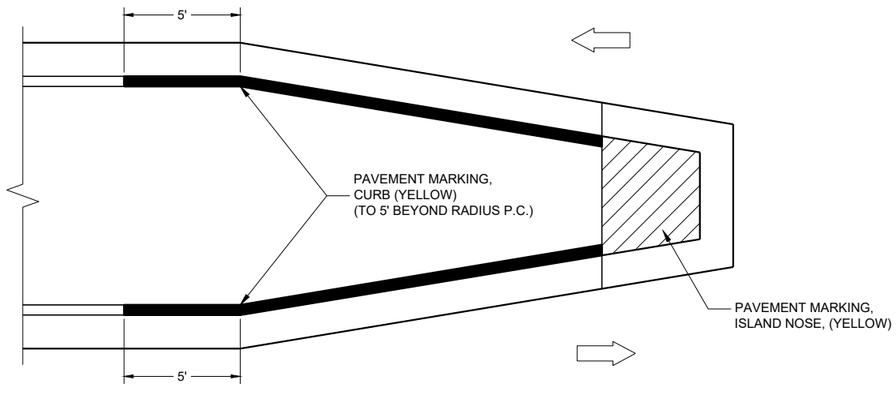
SDD 15C11 - 10b
SDD 15C11 - 10b



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

(1) APPLY PAVEMENT MARKING TO THE FLAT PORTION OF CORRUGATED MEDIAN.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS, MEDIAN ISLAND NOSE

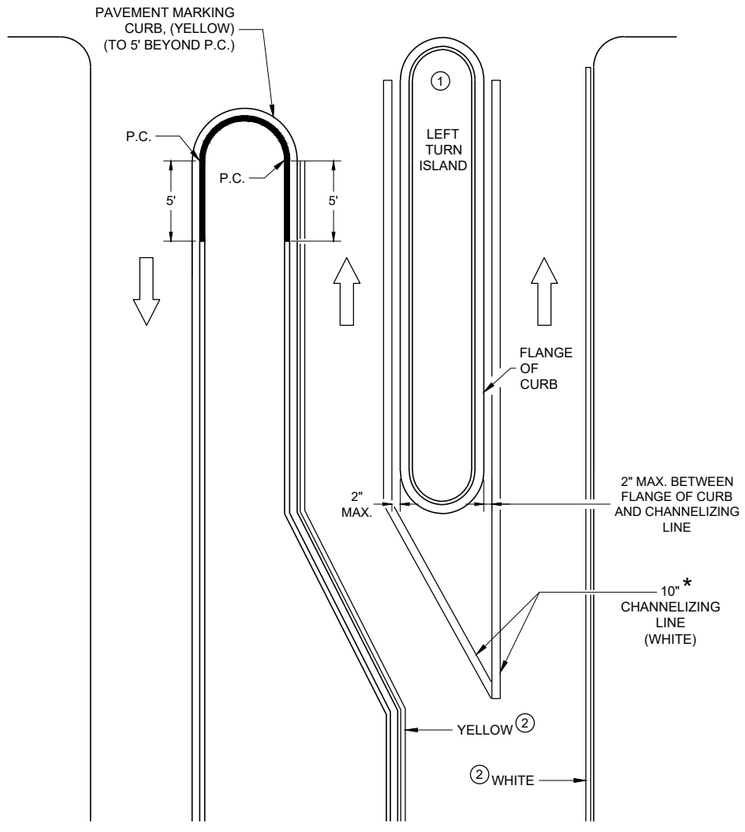
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SDD 15C18-08b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEFT TURN & MEDIAN ISLAND

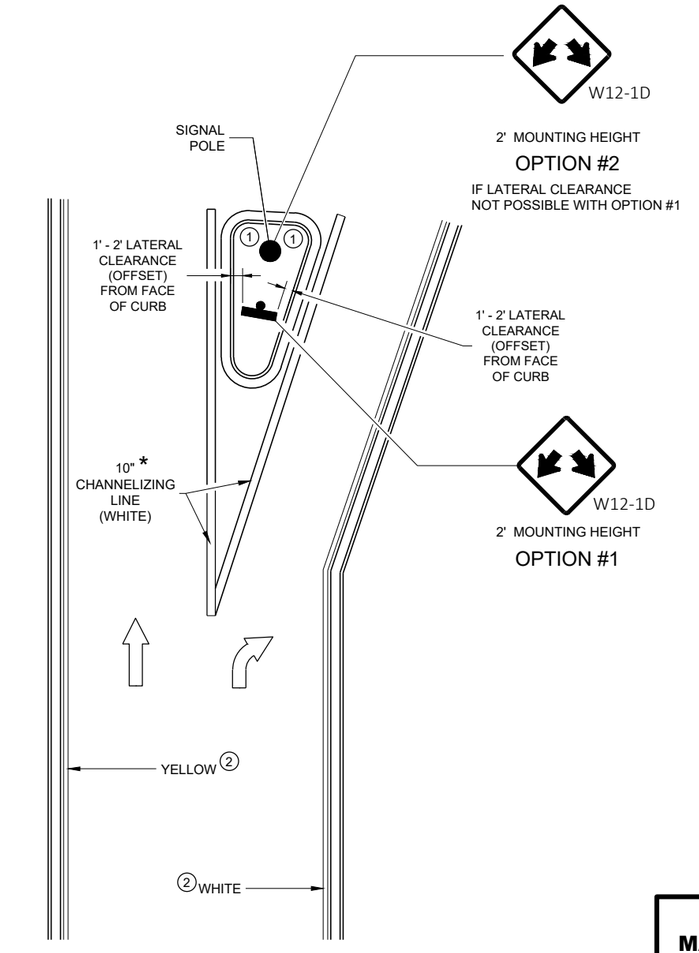
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



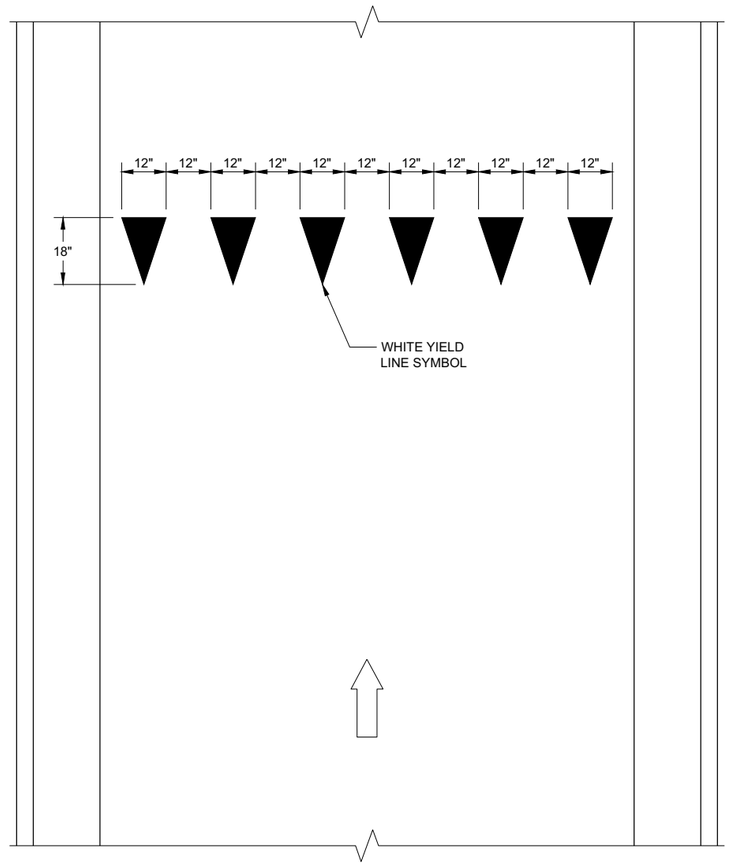
RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

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SDD 15C18-08c

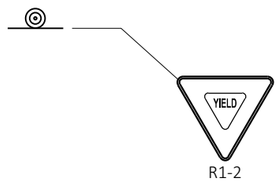


YIELD LINE

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-81-2016
DATE

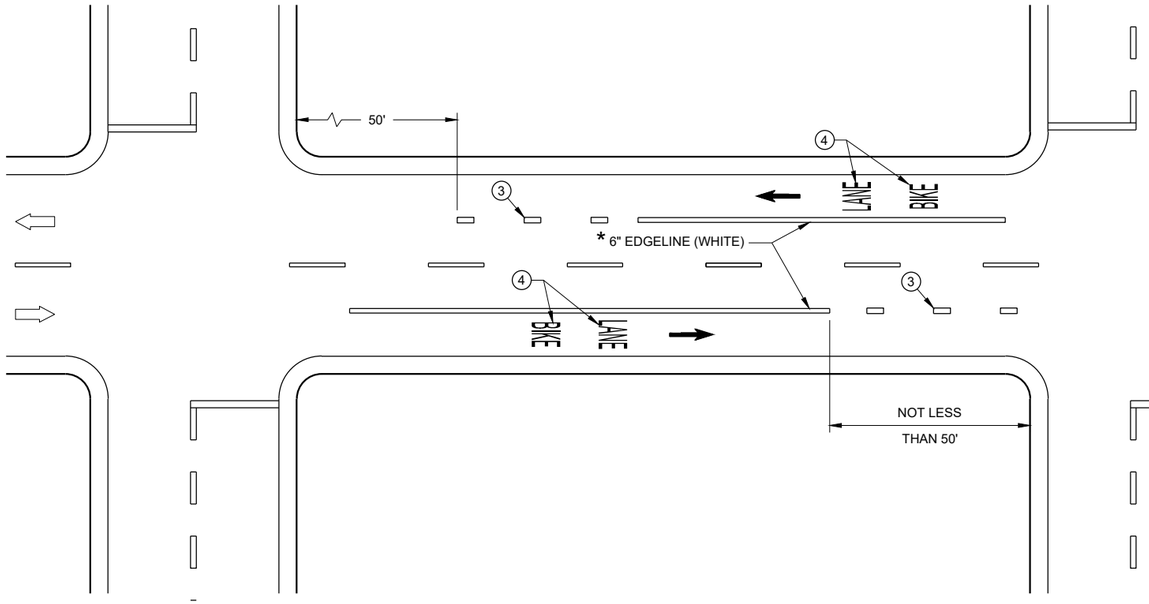
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

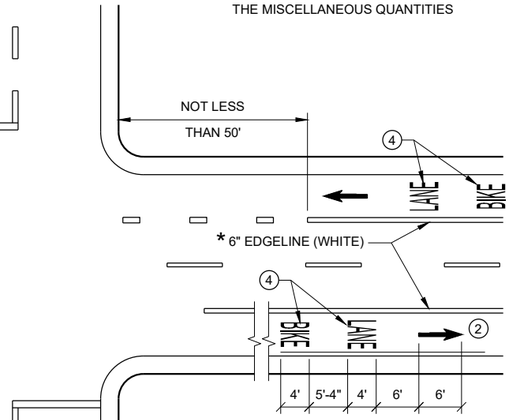
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SDD 15C20 - 02

SDD 15C20 - 02





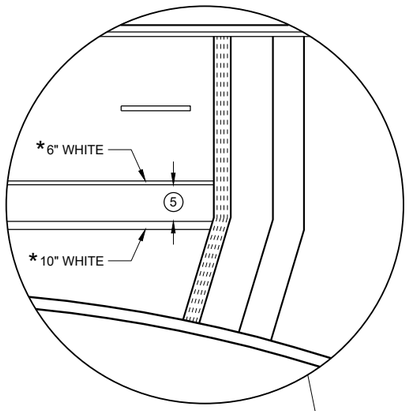
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

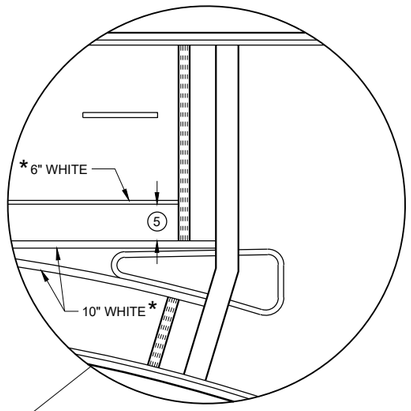
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. BIKE SYMBOLS OR WORDS MAY BE USED.
5. BIKE ACCOMMODATION IS TYPICAL 5 FEET WIDE AND MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT ≥ 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FOOT WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

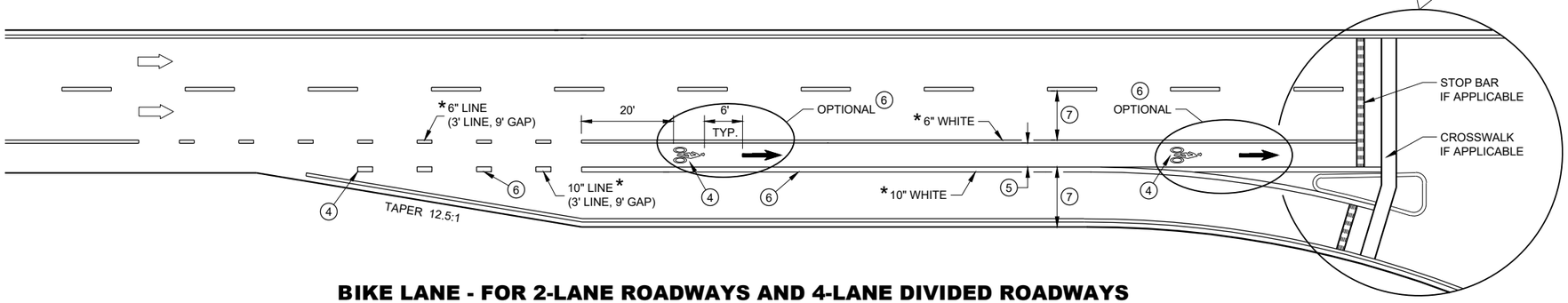
DESIGNATED BIKE LANE - NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS (4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

BIKE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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May 2023 — DATE
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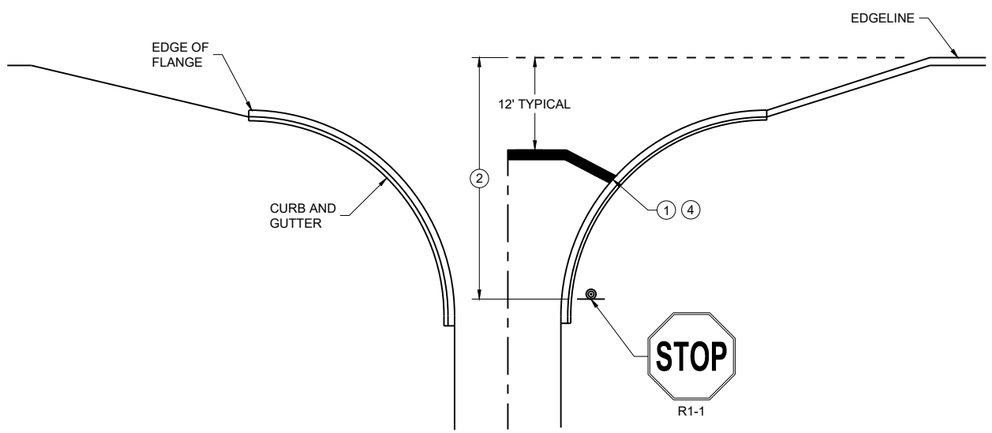
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SDD 15C29-08a

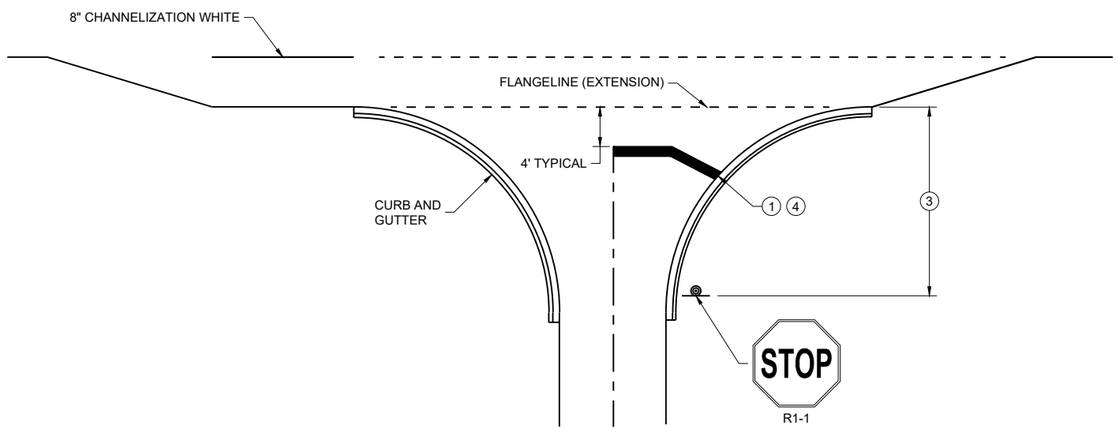
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

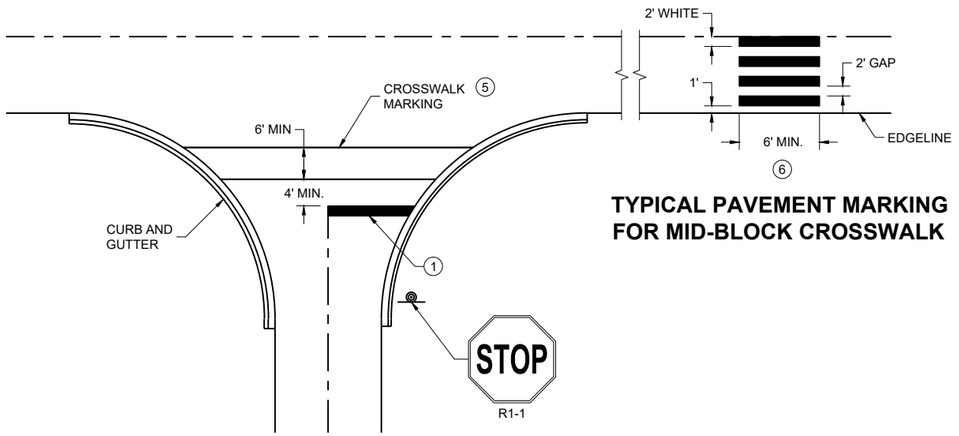
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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

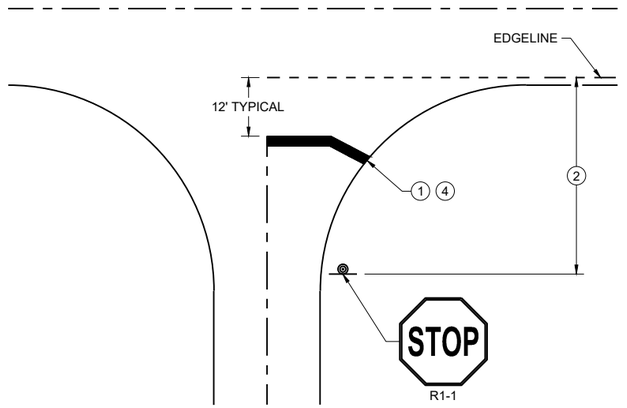


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



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

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SDD 15C33-05

LEGEND

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

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

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

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

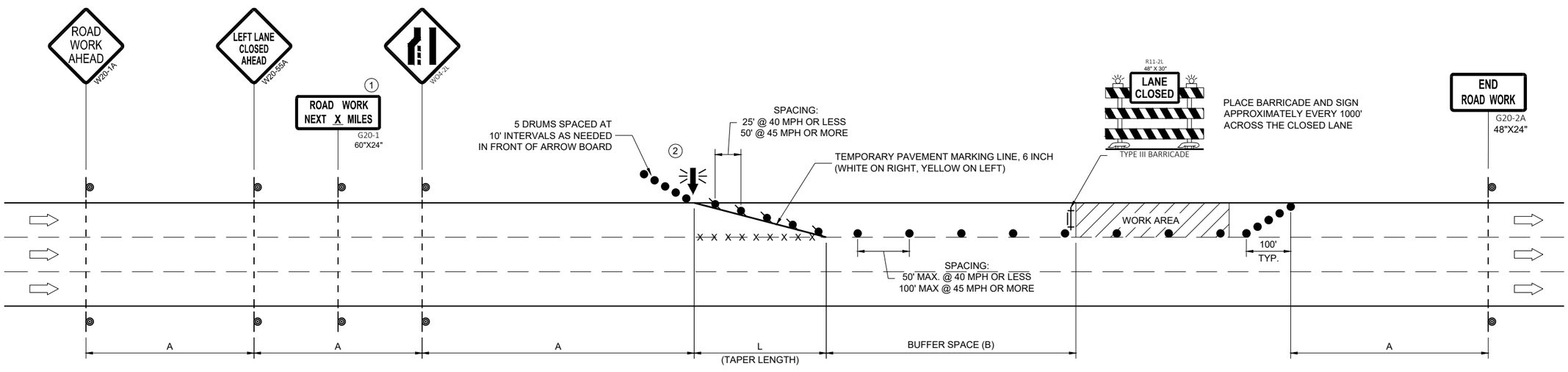
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D20-08a

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SDD 15D20-08a

LEGEND

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

GENERAL NOTES

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"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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

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W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

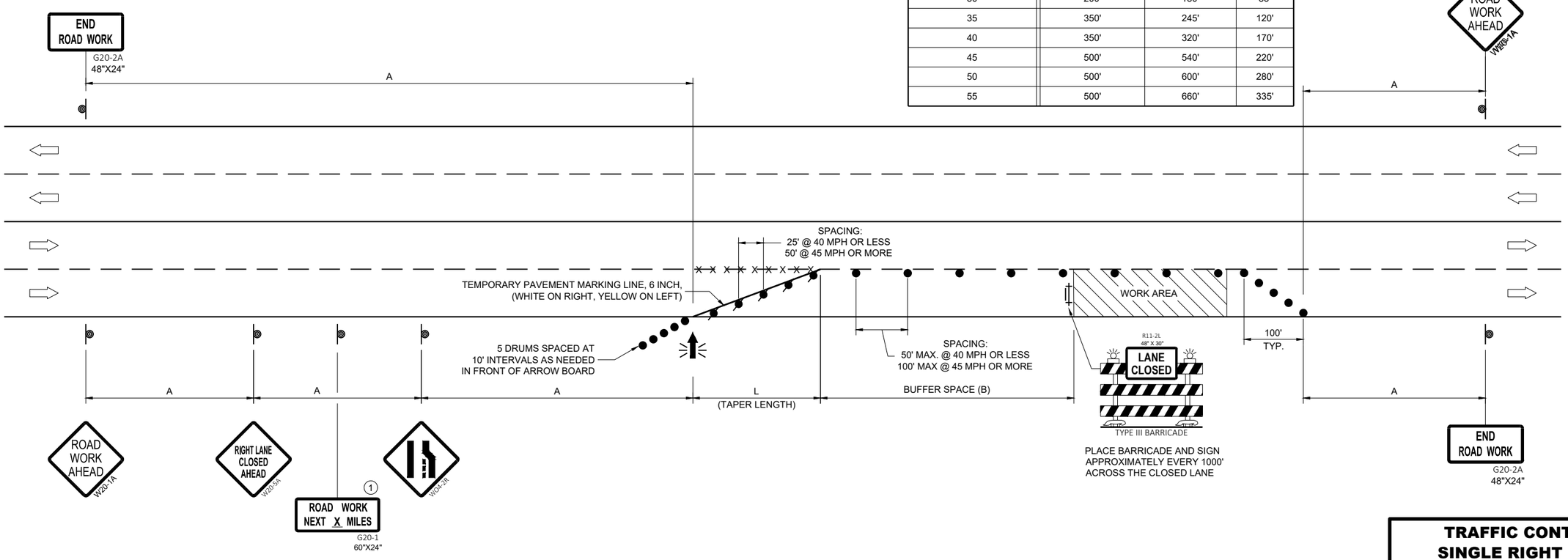
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'



TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-08b

6

SDD 15D20-08b

LEGEND

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

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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 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. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

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

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

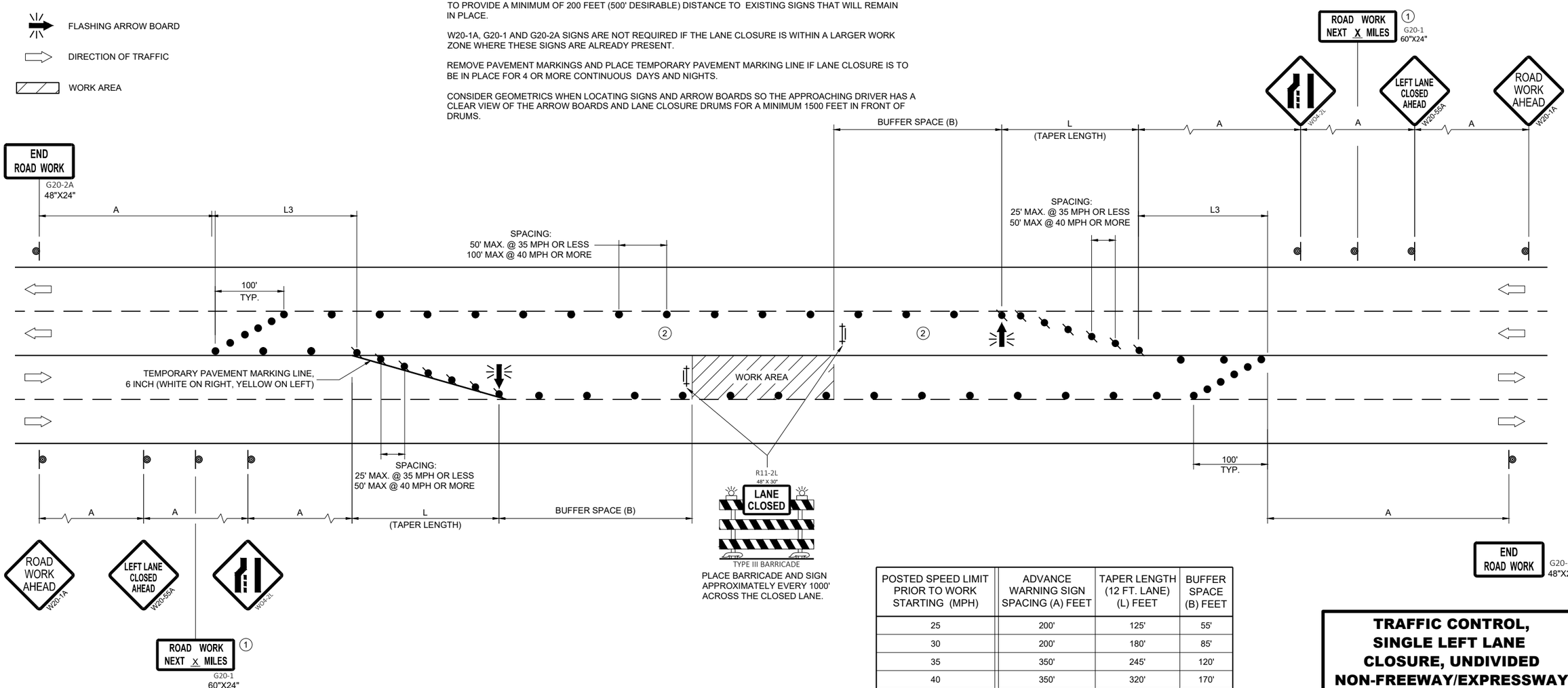
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

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

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2024
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D20-08c
SDD 15D20-08c

GENERAL NOTES

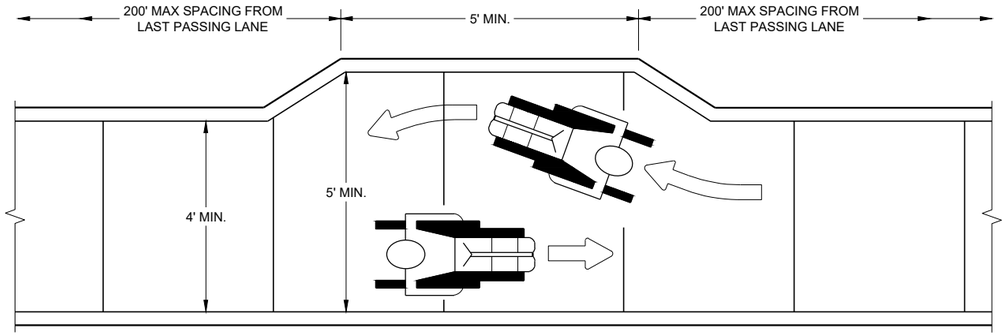
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

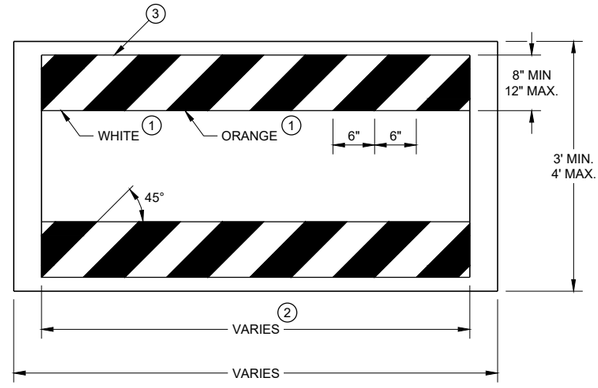
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

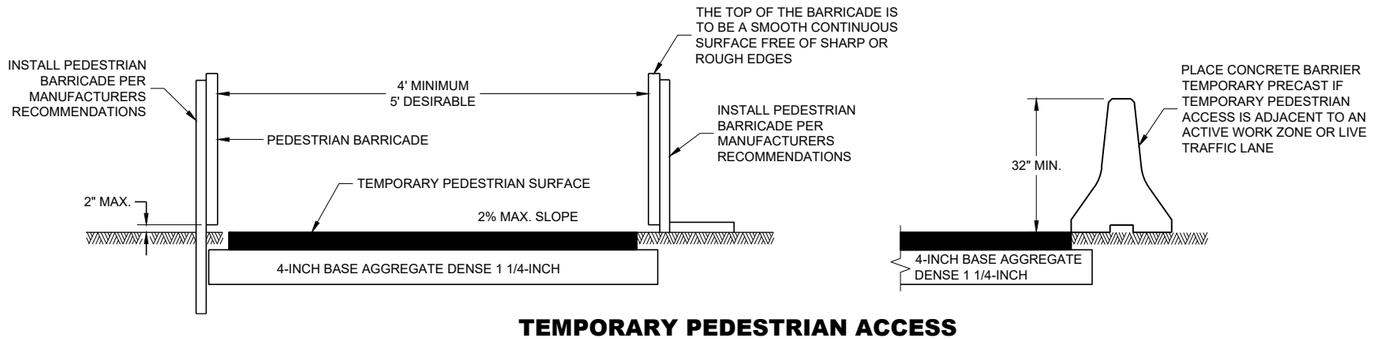
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

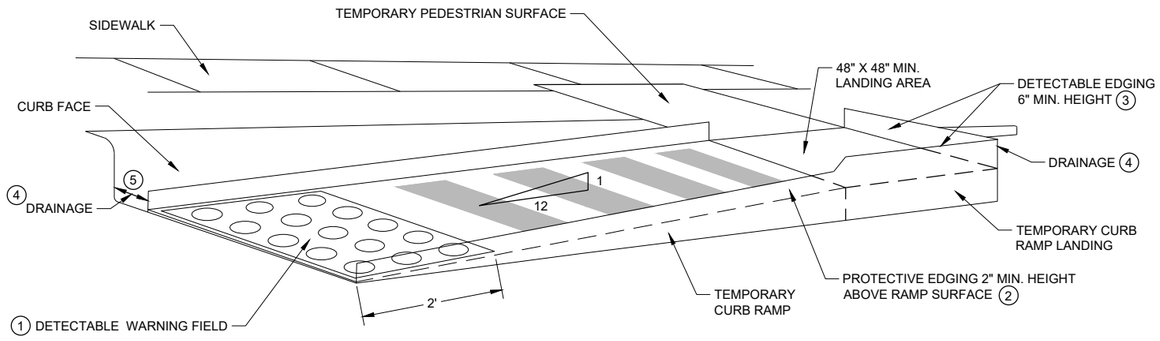


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

SDD 15D30 - 09a



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 1:50 (2%) 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.

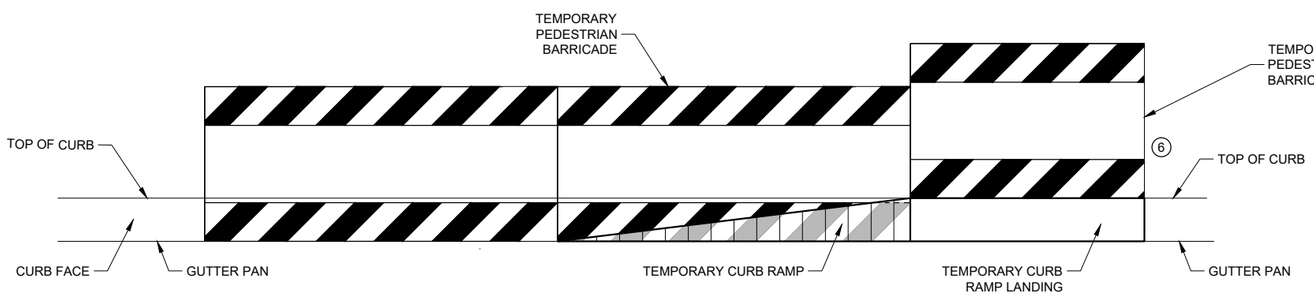
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

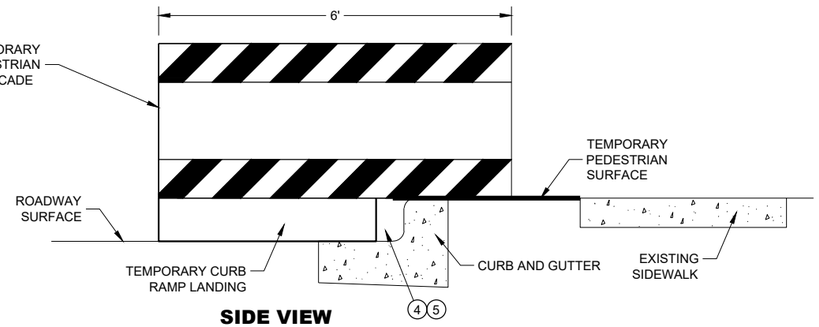
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(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.



FRONT VIEW



SIDE VIEW

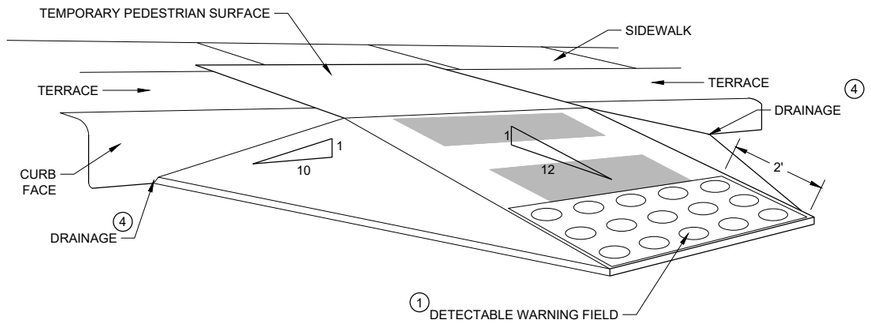
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

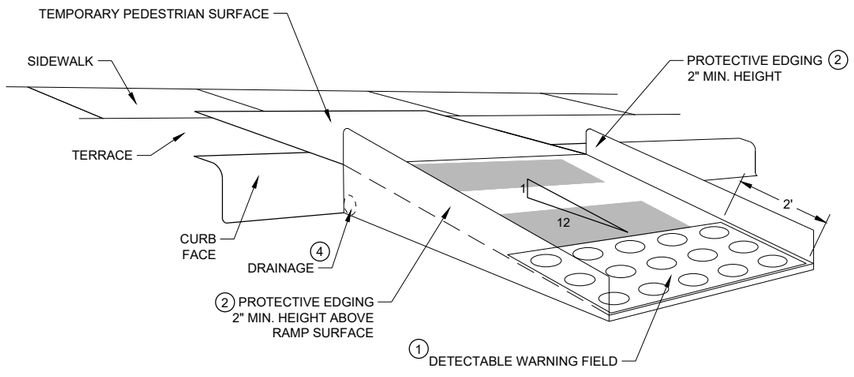
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b



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 1:50 (2%) MAX. CROSS-SLOPE.

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

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

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

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

6

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09c

GENERAL NOTES

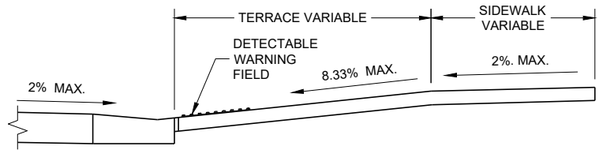
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

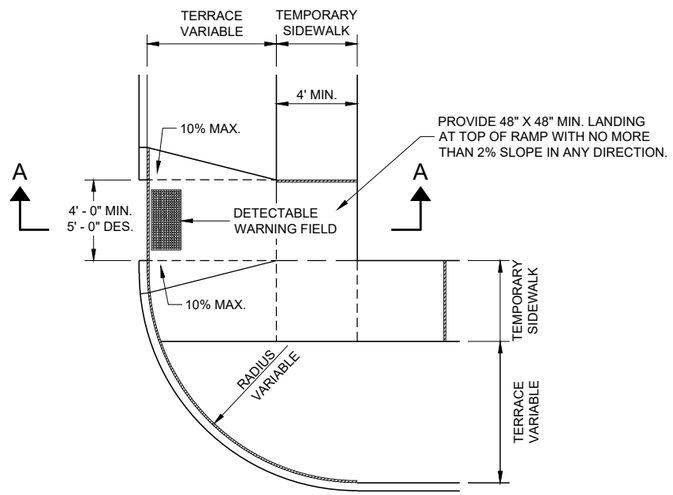
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



SECTION A - A



PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

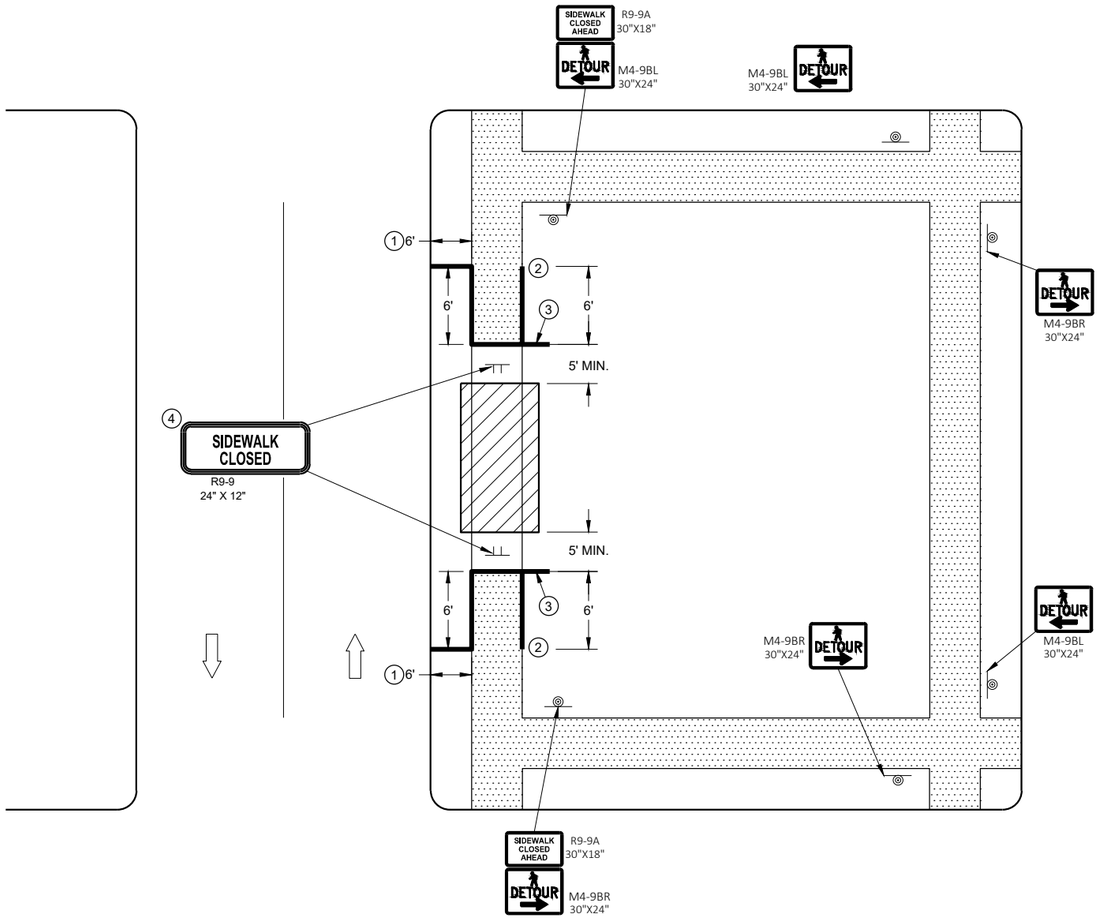
APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
FHWA

6

SDD 15D30-09d

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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

6

SDD 15D30 - 09f

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

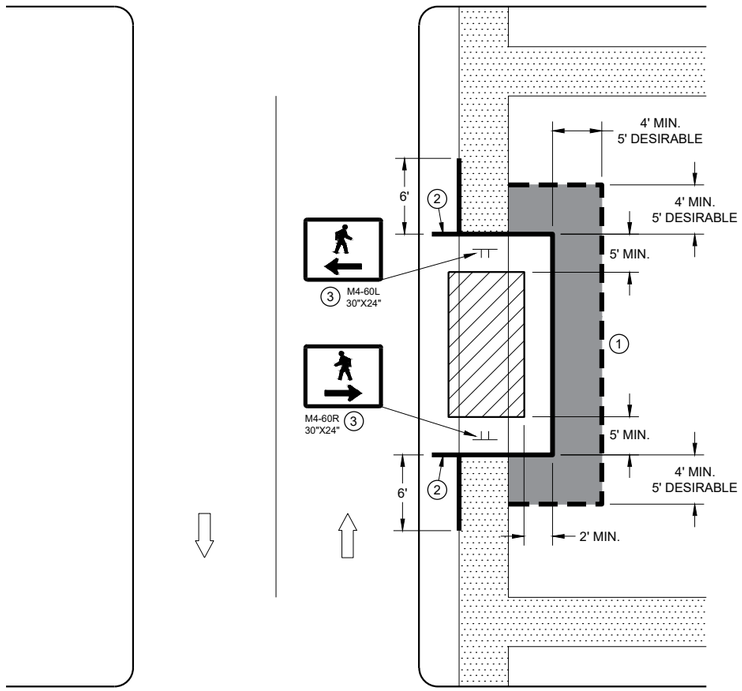
TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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 DIVERSION
SINGLE SIDE

6

SDD 15D30 - 09g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD15D30 - 09g

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.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

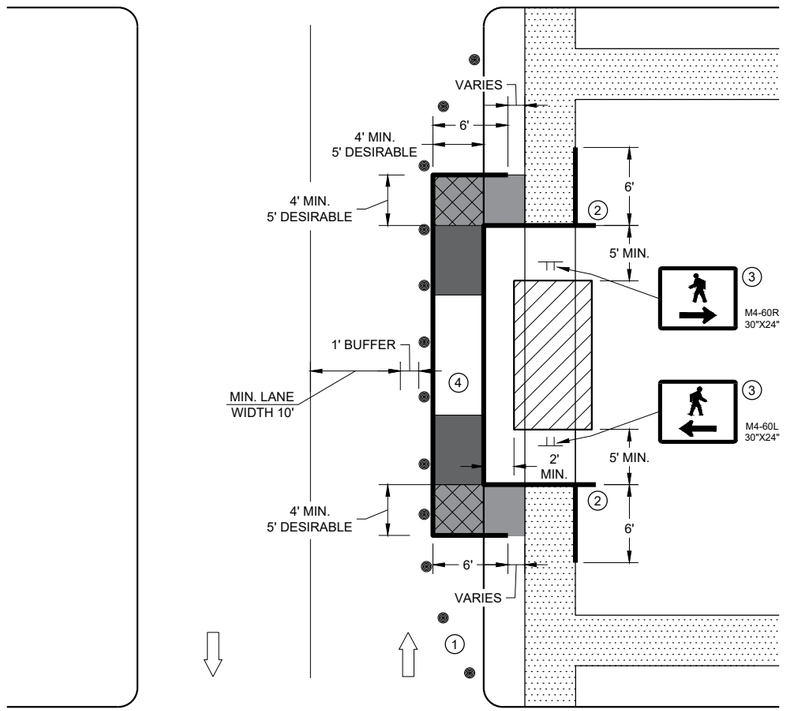
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(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 SURACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE.



SIDEWALK DIVERSION, SINGLE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

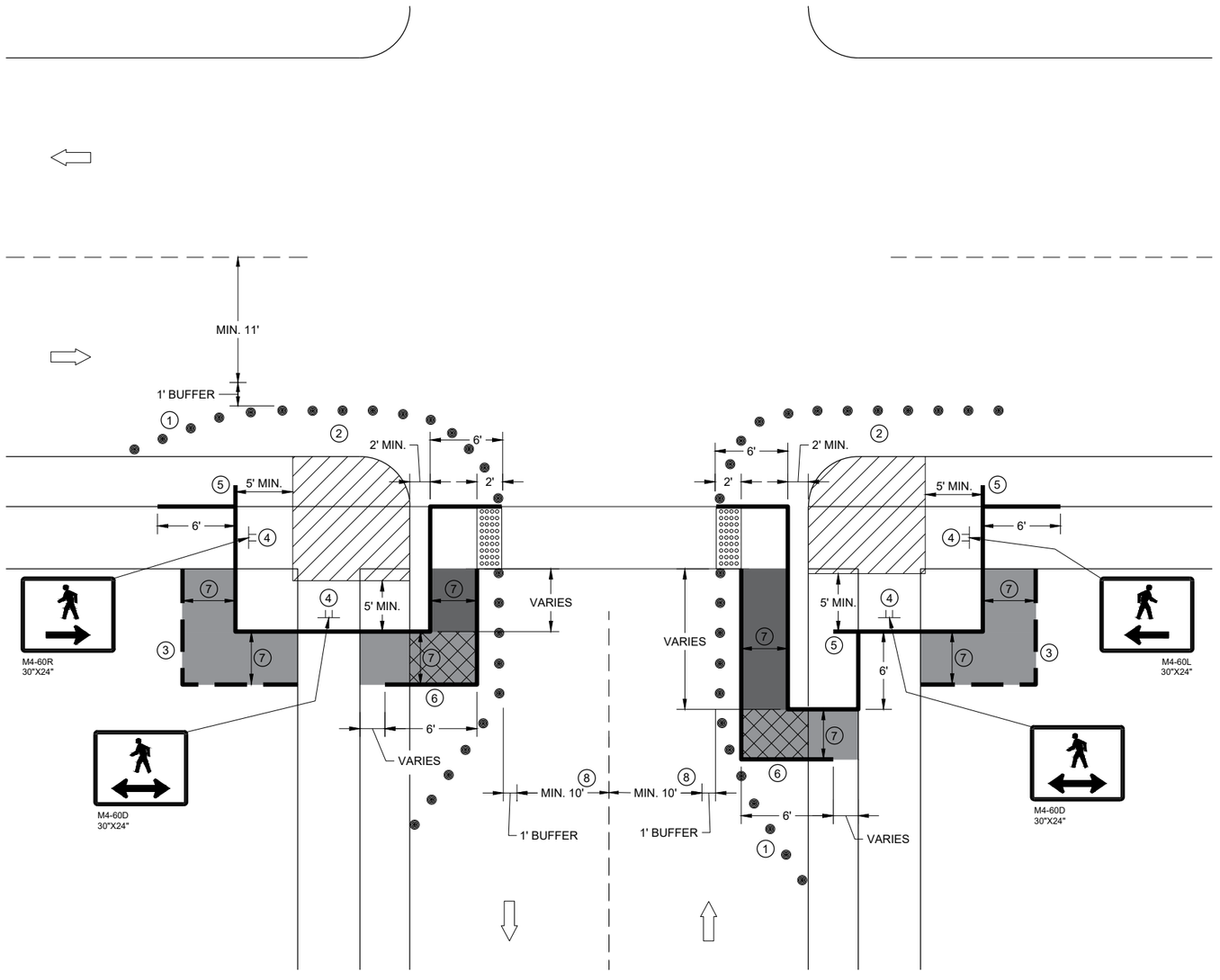
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09h

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SDD 15D30 - 09h



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.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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.

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.

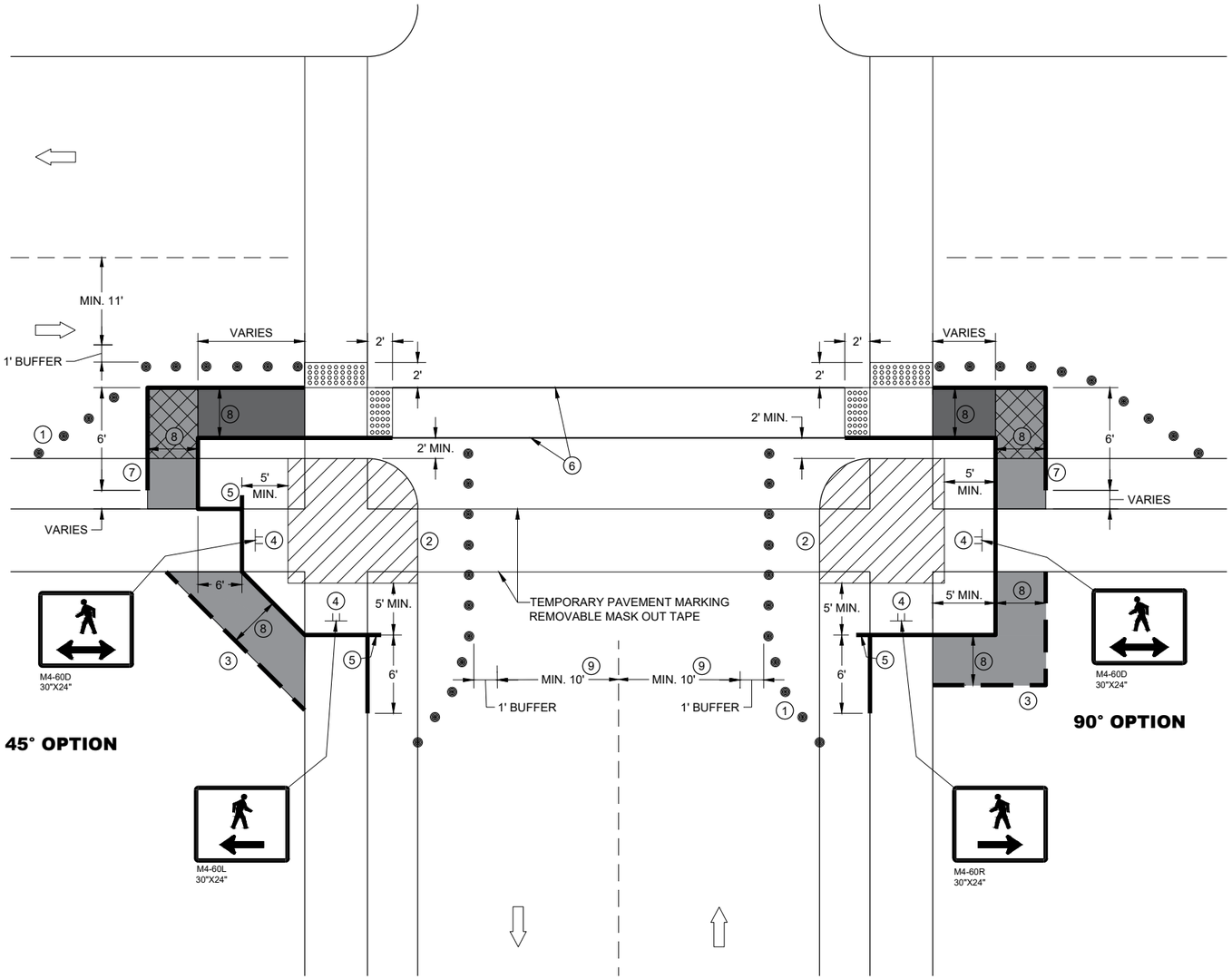
LEGEND

- 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

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09i

6



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.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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.

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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

SDD 15D30 - 09j

6

LEGEND

SIGN ON PERMANENT SUPPORT

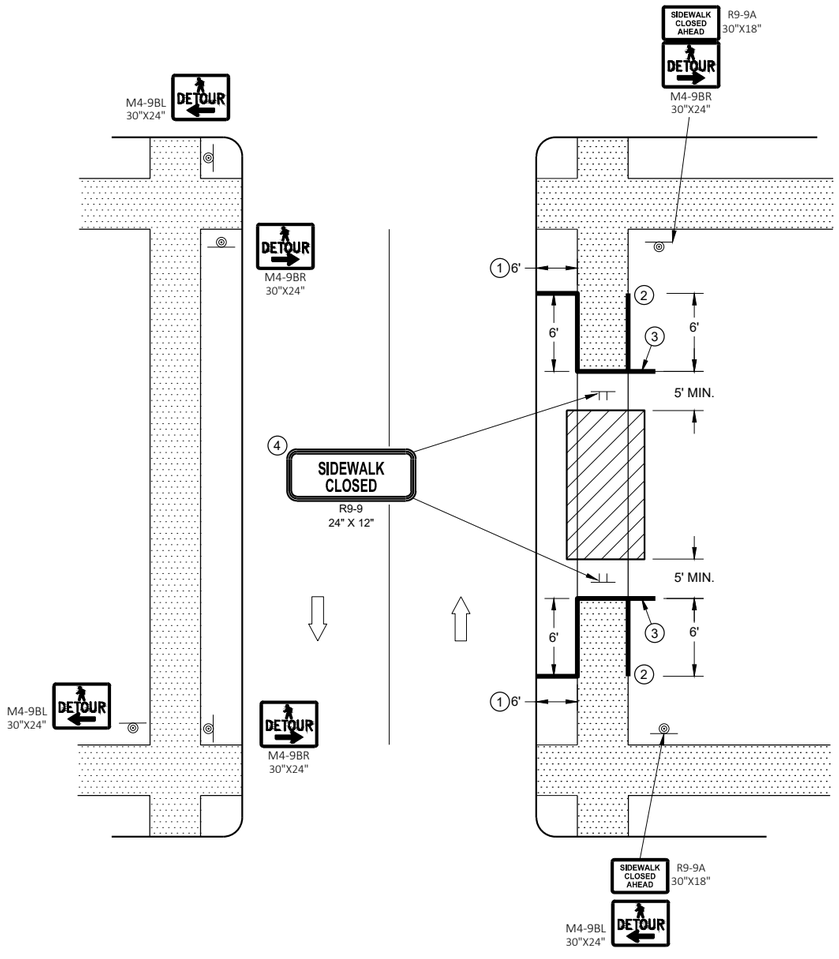
SIGN ON TEMPORARY SUPPORT

UNDER PEDESTRIAN TRAFFIC

WORK AREA

TEMPORARY PEDESTRIAN BARRICADE

DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

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.

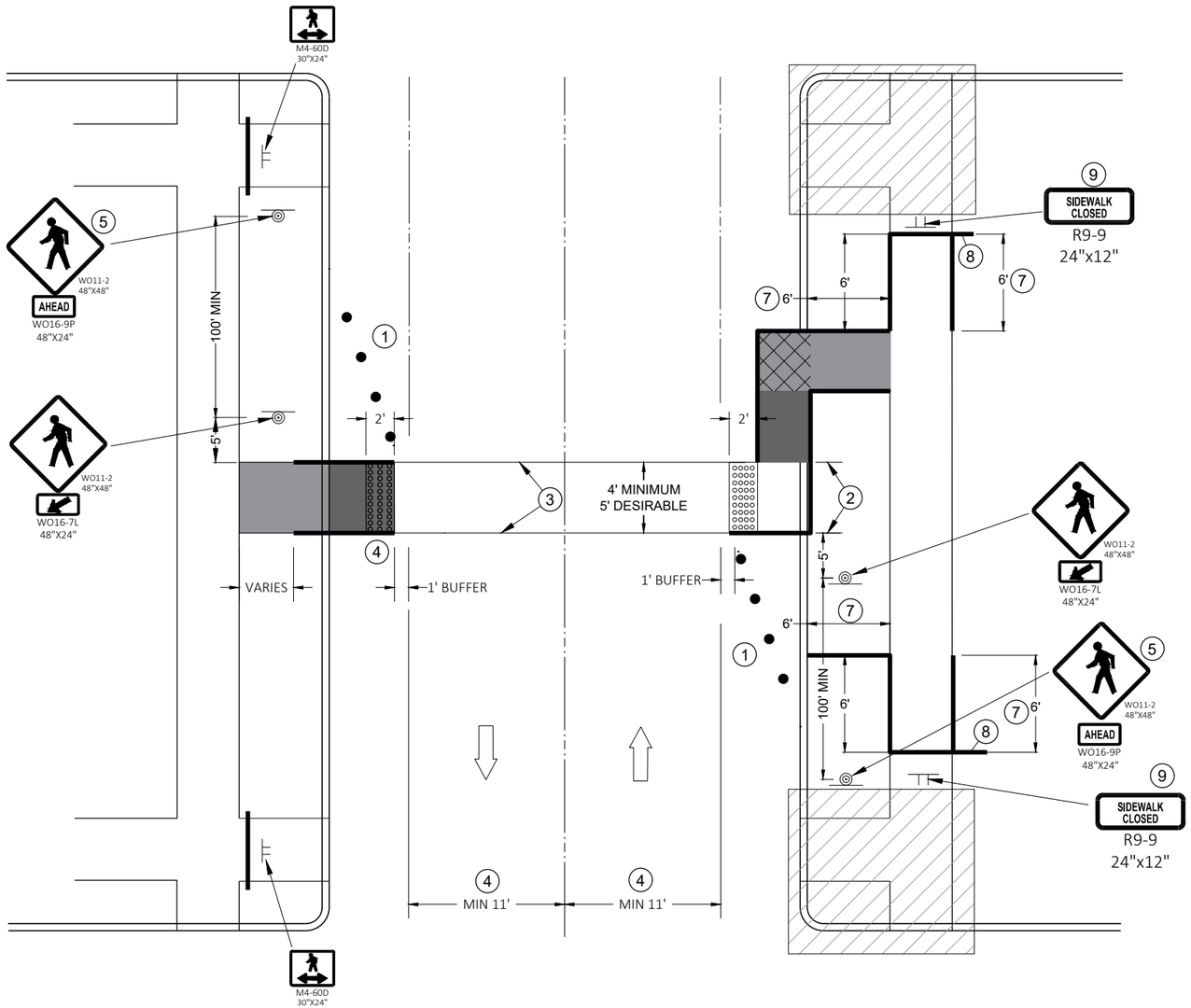
1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN 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.

SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

6

SDD 15D30 - 09k

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

(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

6

SDD 15D30 - 09L

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- CONCRETE BARRIER TEMPORARY PRECAST

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	143	120
40	350	133	147	160	173	187	170
45	500	225	248	270	293	315	220

GENERAL NOTES

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

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

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" 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 AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

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

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

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

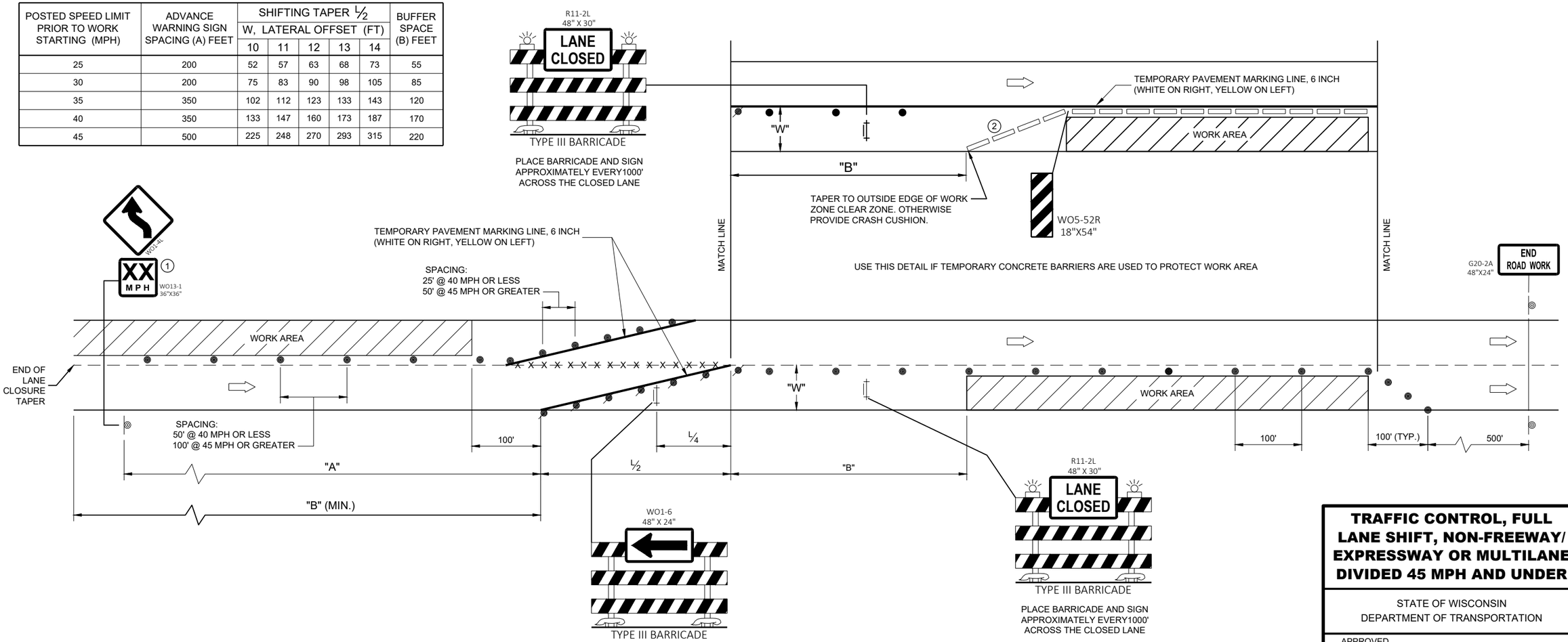
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

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

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER
SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL
CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

(2) BARRIER FLARE RATE: 6:1 @ 40 MPH OR LESS
8:1 @ 45 MPH OR GREATER



TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

240

FHWA

6

SDD 15D40-05a

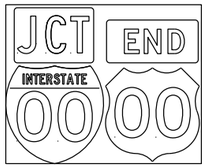
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SDD 15D40-05a

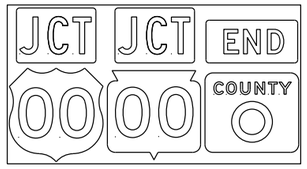
TYPICAL ASSEMBLIES



J1-1



J1-2



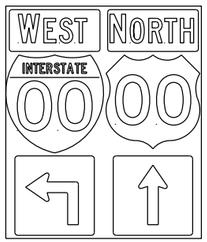
J1-3



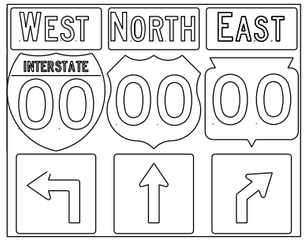
JR1-1



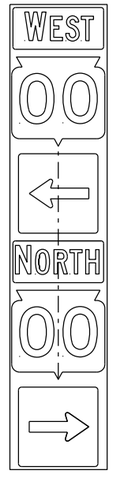
J2-1



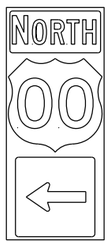
J2-2



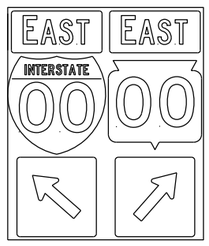
J2-3



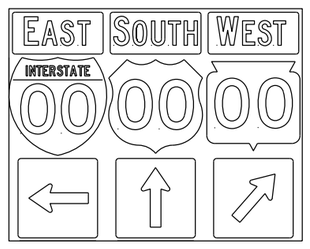
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



J3-1



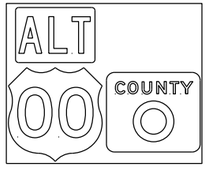
J3-2



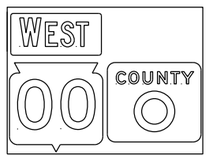
J3-3



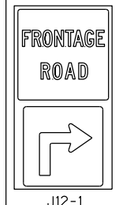
J4-1



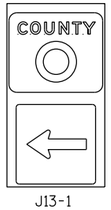
J4-2



J4-2



J12-1



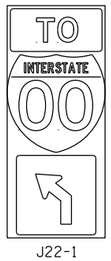
J13-1



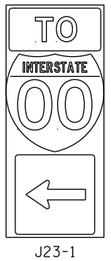
J32-1



J33-1



J22-1



J23-1



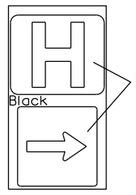
JR13-1



JR23-1



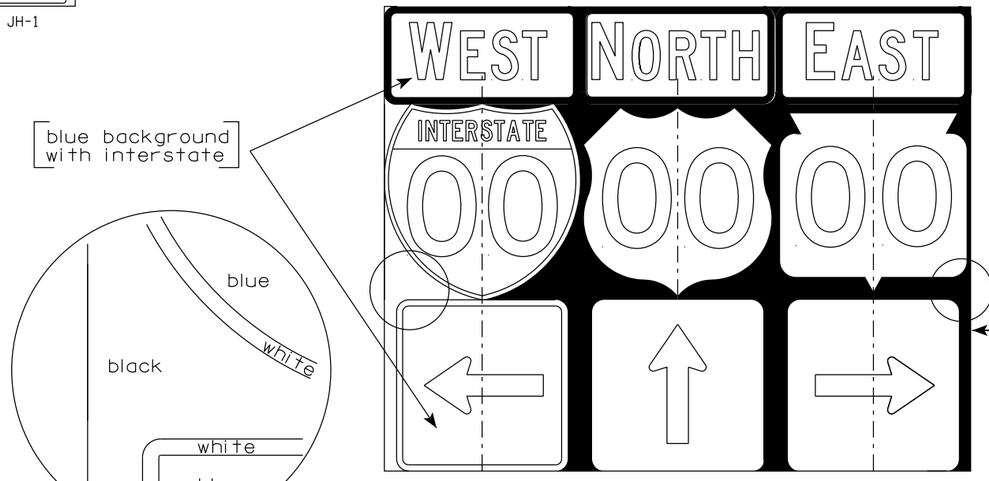
JR99-1



Blue Background
JH-1

NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 4
3. Message Series - See Note 4
4. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
5. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
6. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
7. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
8. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. All Vertical J Assemblies are given a Sign Code of JV
10. For JV Assemblies that have a mixture of Interstate and Non-Interstate shields, arrows and cardinals shall be white on blue.
11. For JV Assemblies that have a mixture of Non-Interstate and Auto-Tour shields, arrows and cardinals shall be black on white.



ROUTE MARKERS & COMPONENTS IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

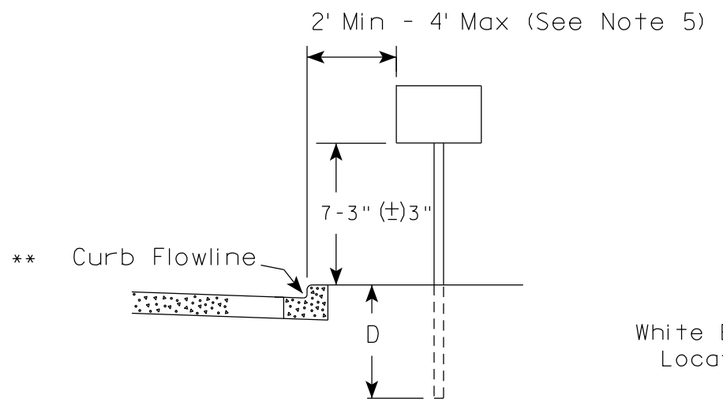
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/23 PLATE NO. A2-1S.10

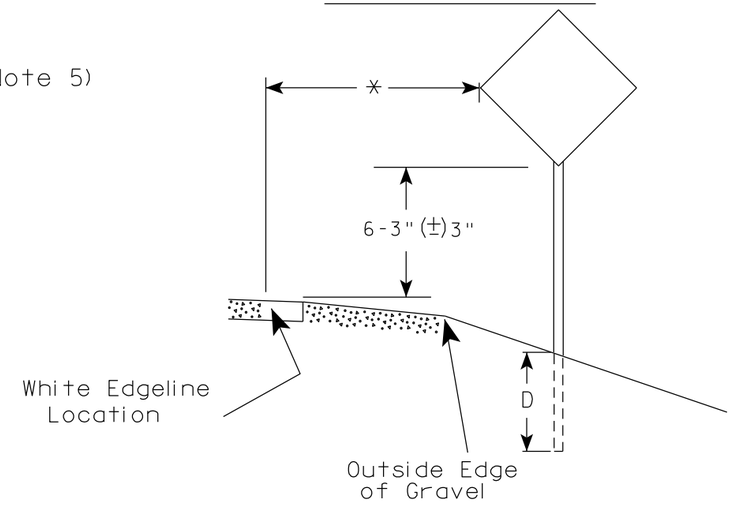
PROJECT NO:

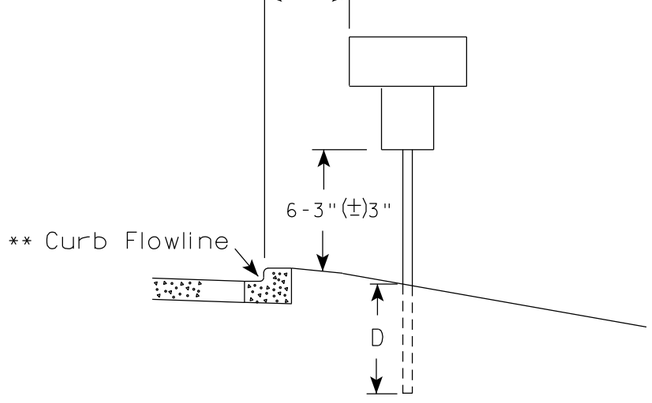
SHEET NO: 241 E

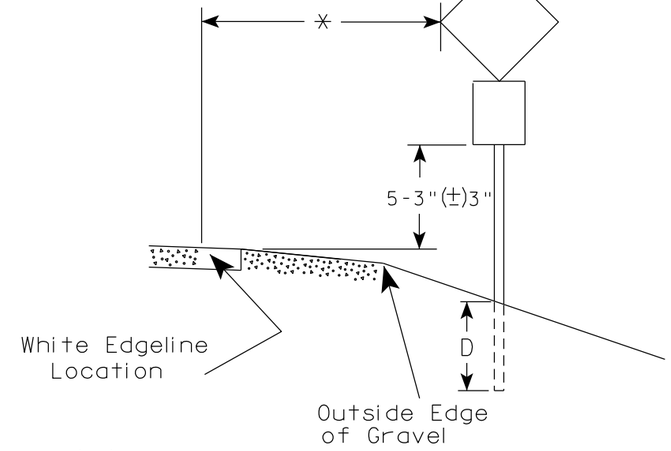
URBAN AREA



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.

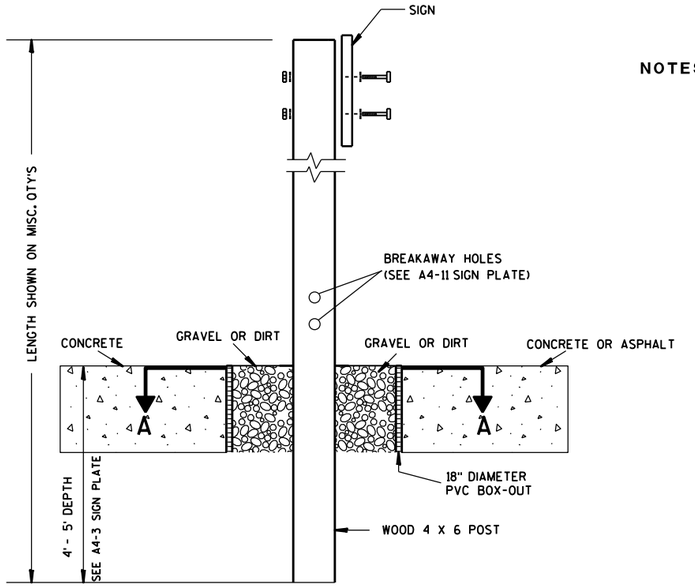
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

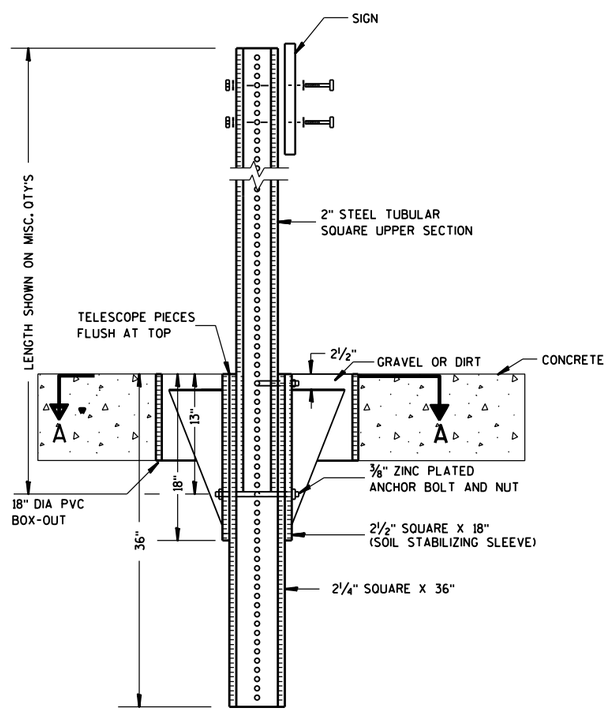
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 242	E



ELEVATION VIEW

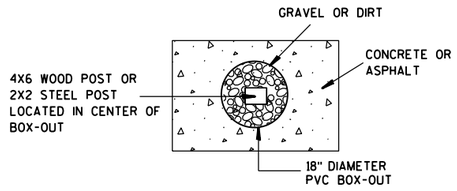
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

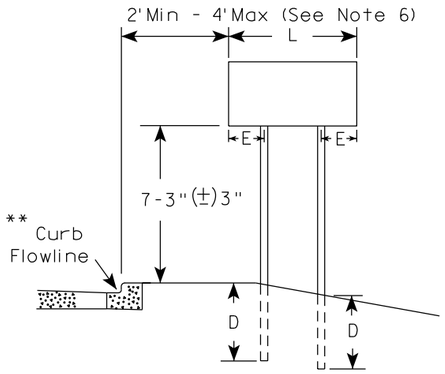
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

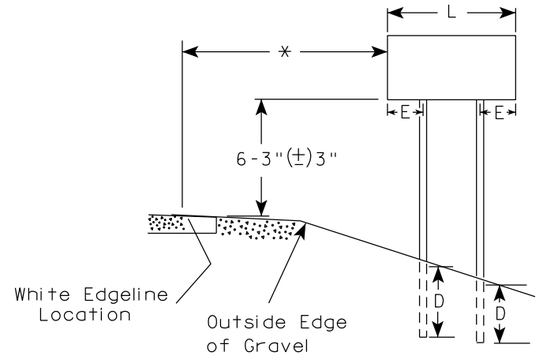
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

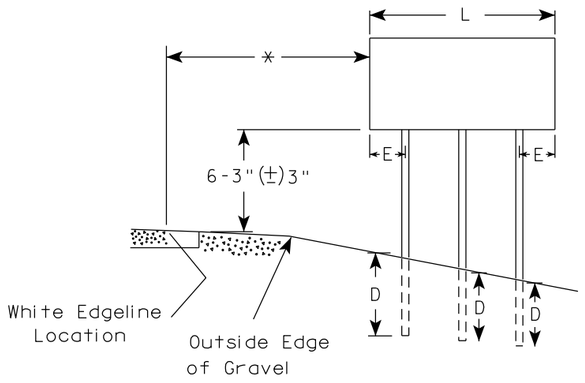
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

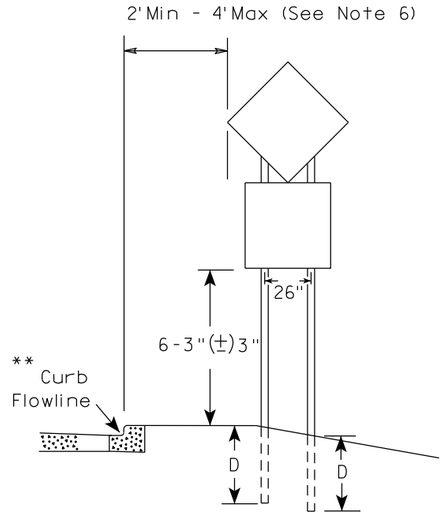
URBAN AREA



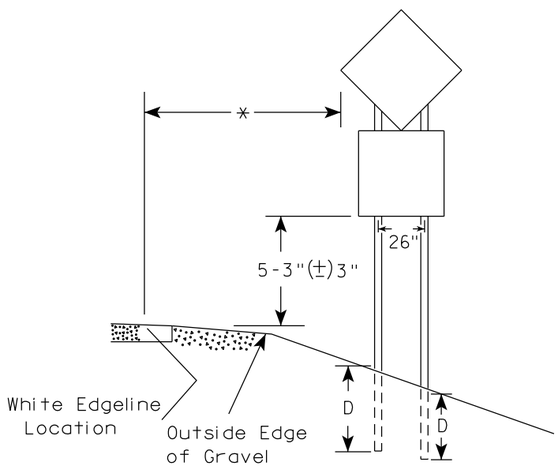
RURAL AREA (See Note 3)







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'

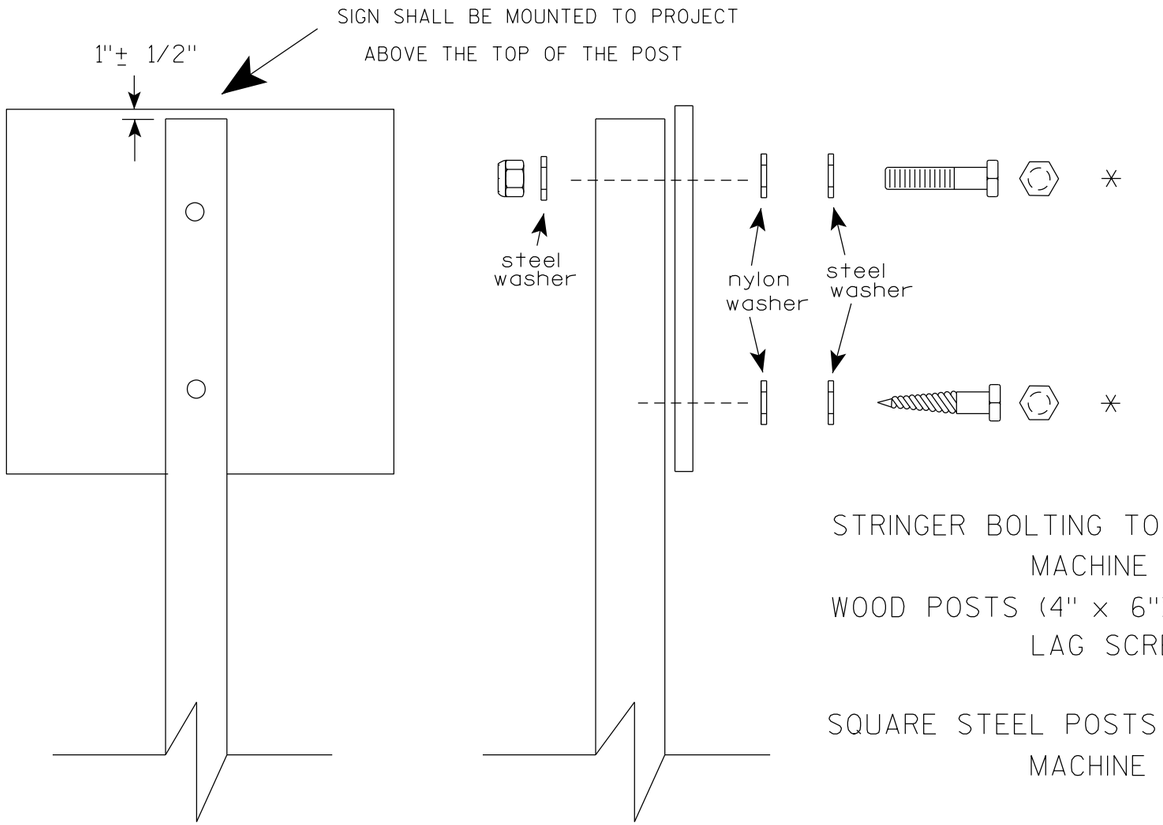
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 244	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

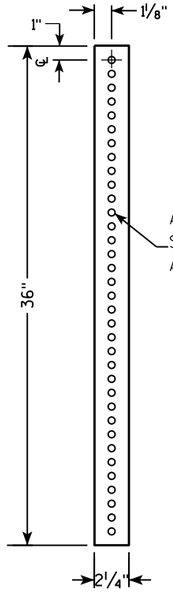
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

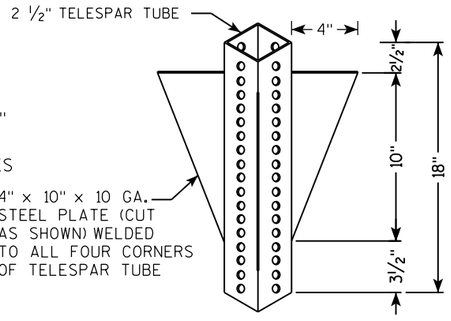
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

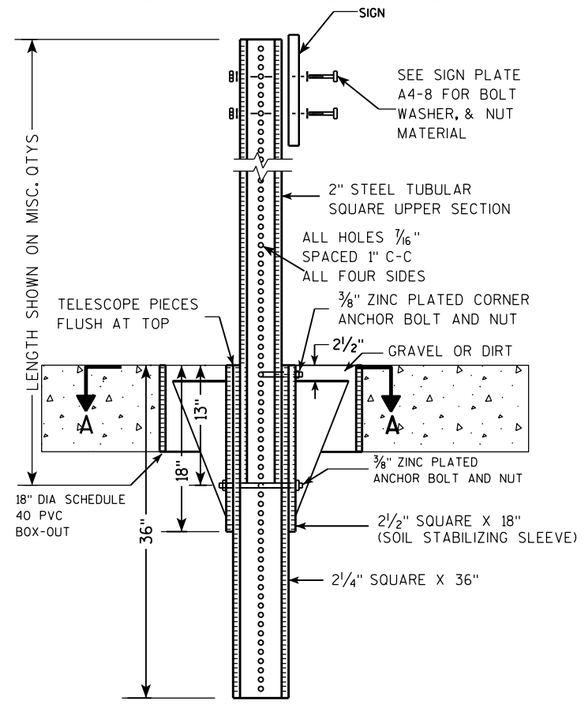
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



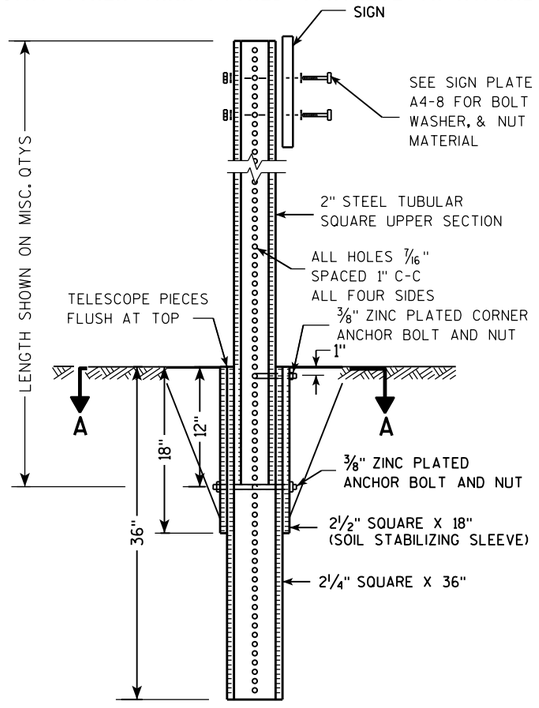
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

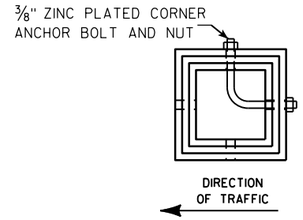


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

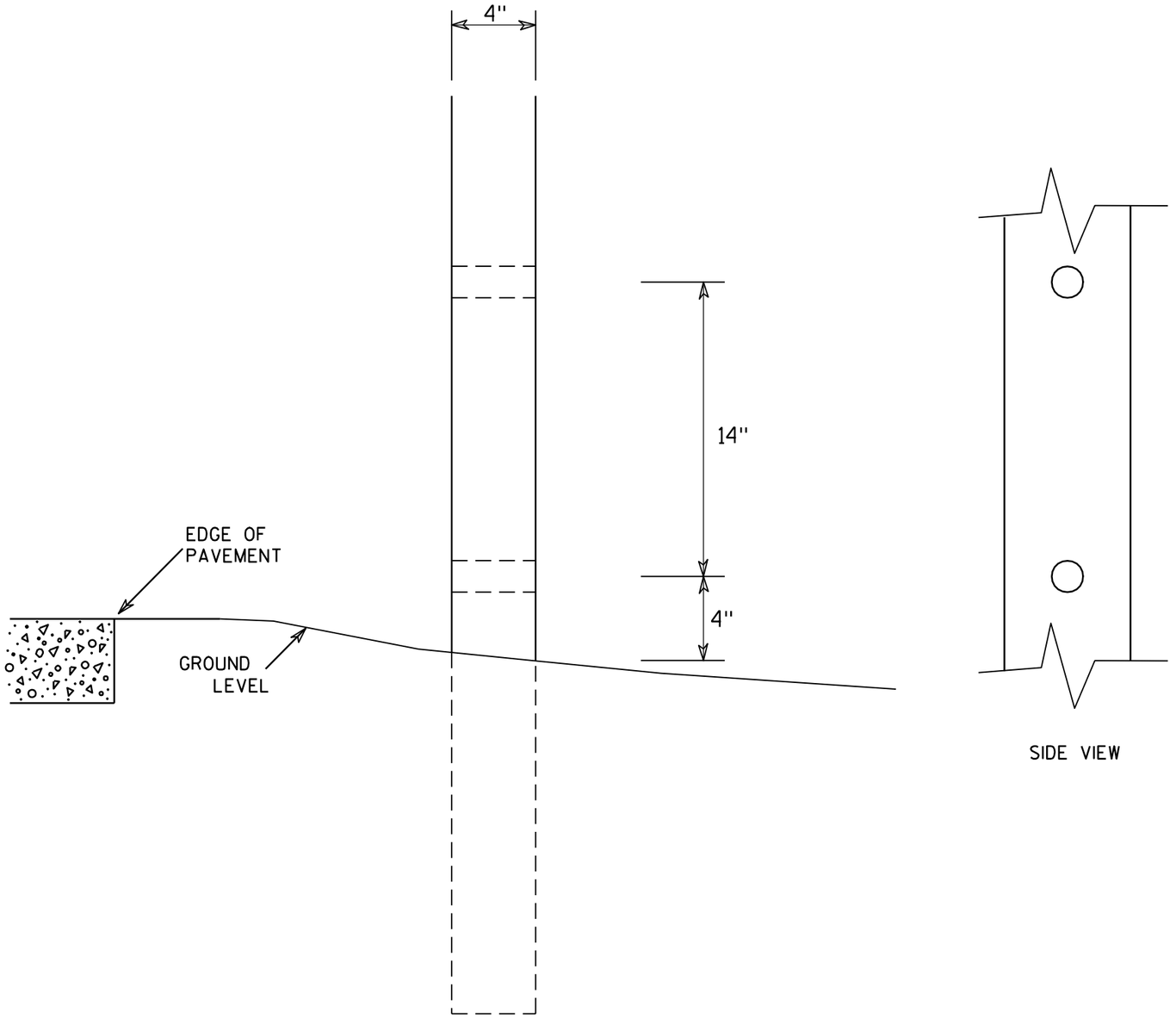
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 246 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



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

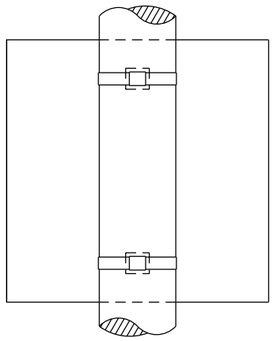
APPROVED Chester J Spang
for State Traffic Engineer

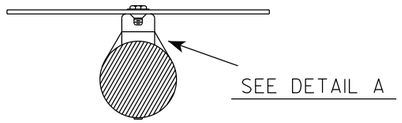
DATE 3/27/97 PLATE NO. A4-11.2

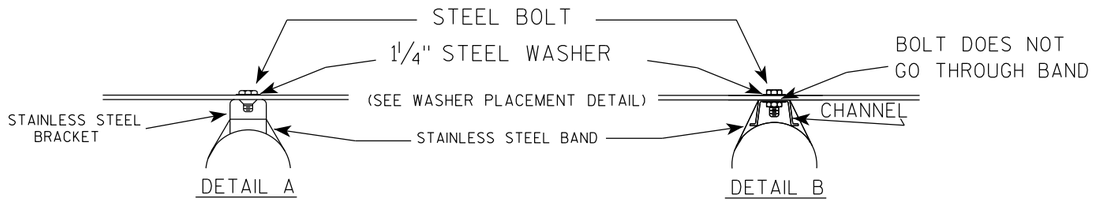
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 247	E

BANDING

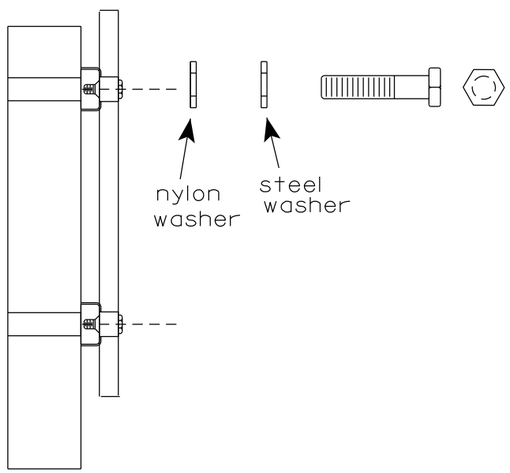
SINGLE SIGN







WASHER PLACEMENT

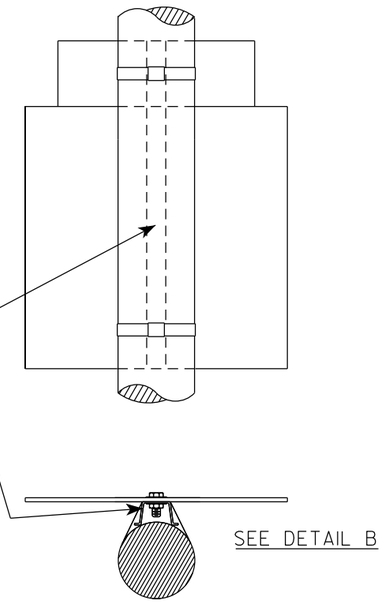


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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



STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

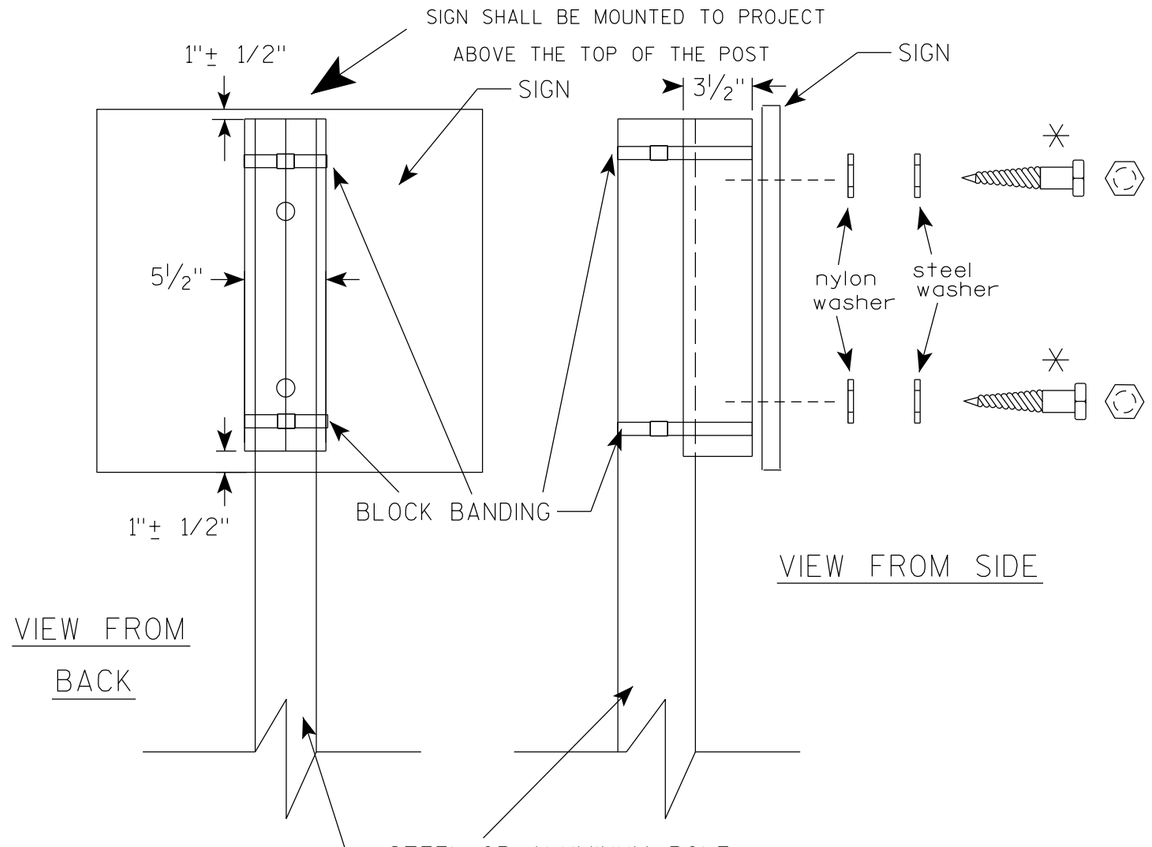
DATE 6/10/19 PLATE NO. A5-9.4

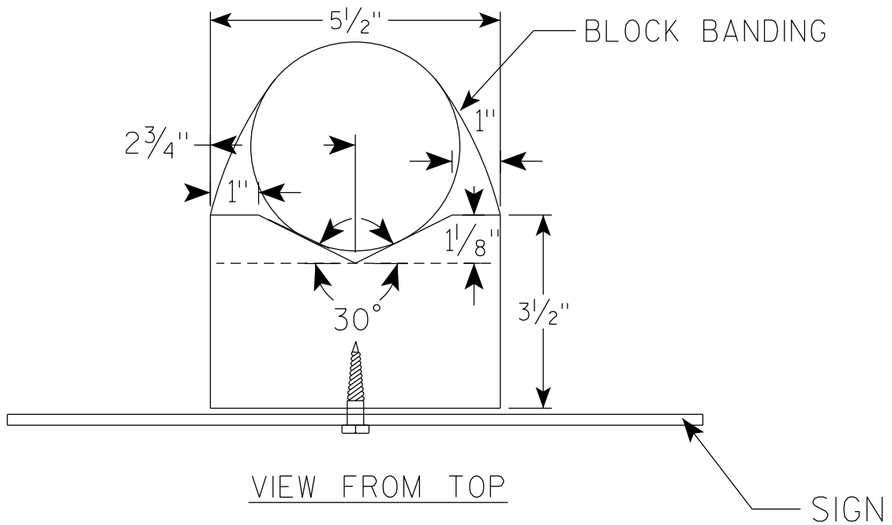
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 248	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





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)

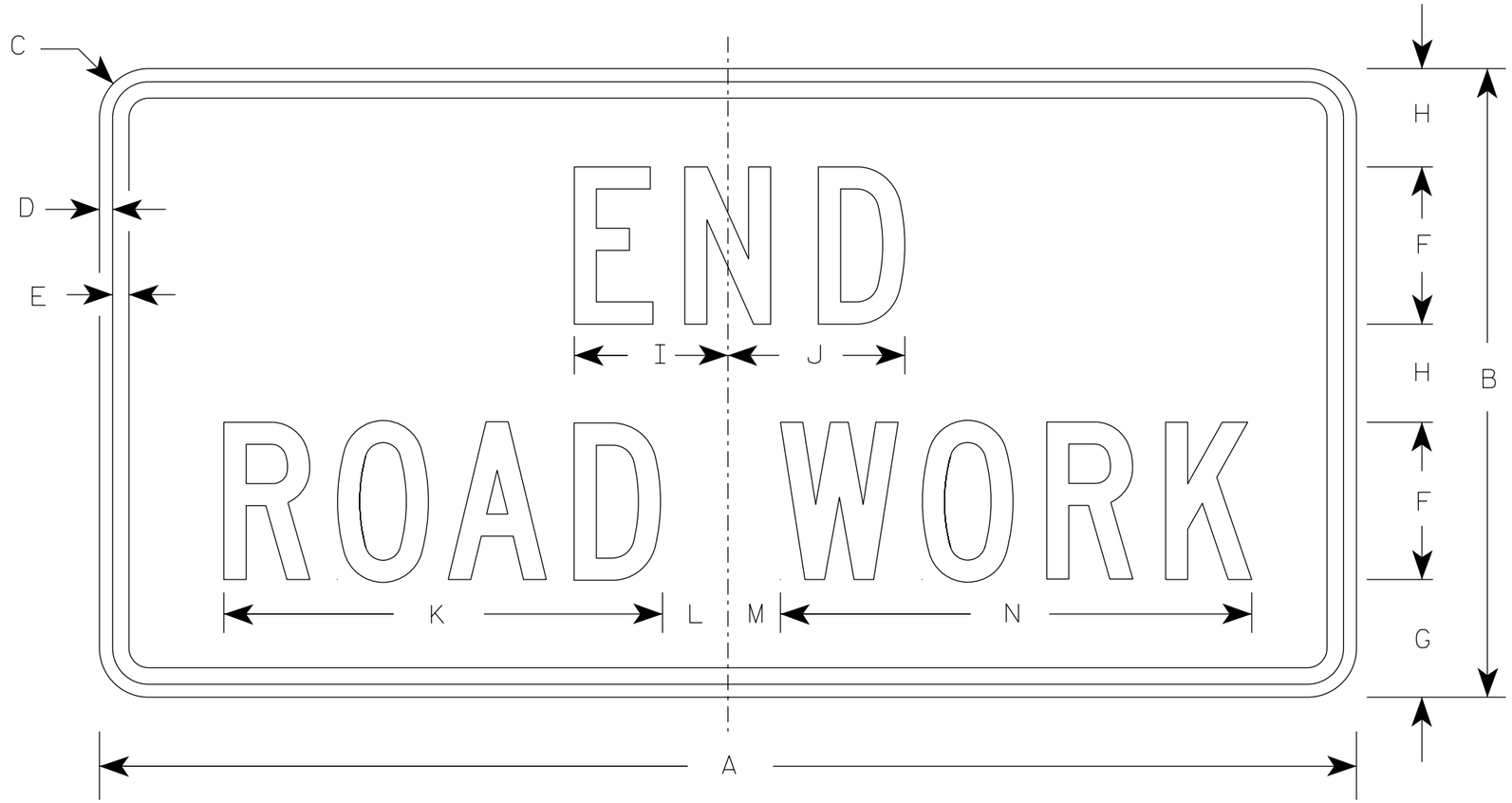
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO: 249 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

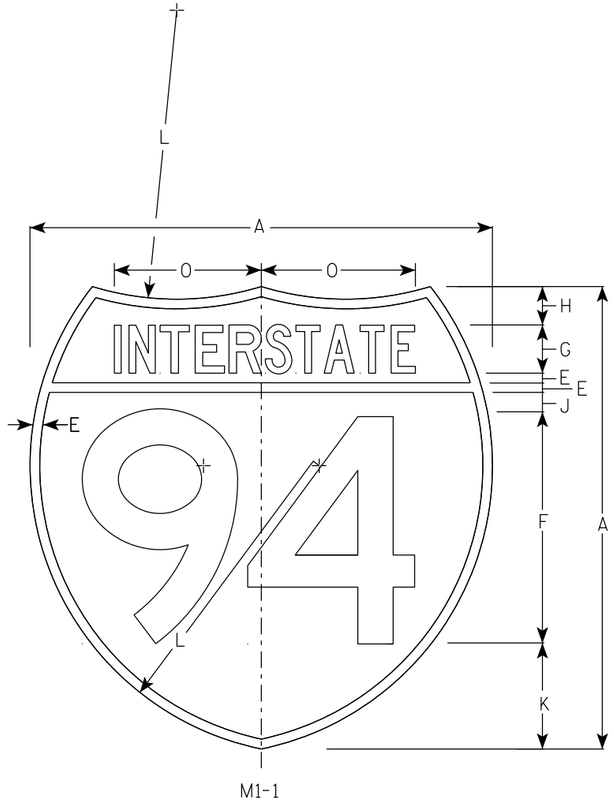
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

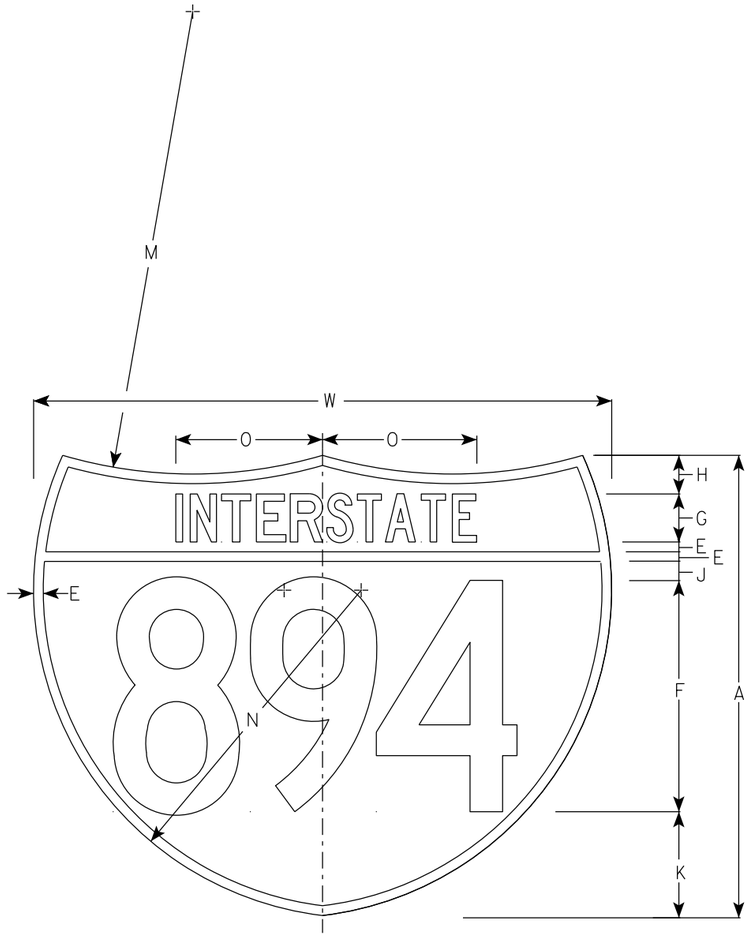
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/26/2023 PLATE NO. G20-2A.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 250 E



M1-1



M1-1A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Top Red - Bottom Blue
   Message - White
3. Message Series - See note 5
4. Substitute appropriate numerals & ajust spacing as per plate A10-1.
5. M1-1 - Numerals - D
   Interstate - C
   M1-1A - All copy - 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	M1-1 Area sq. ft.	M1-1A Area sq. ft.
1																											
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
2M	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79

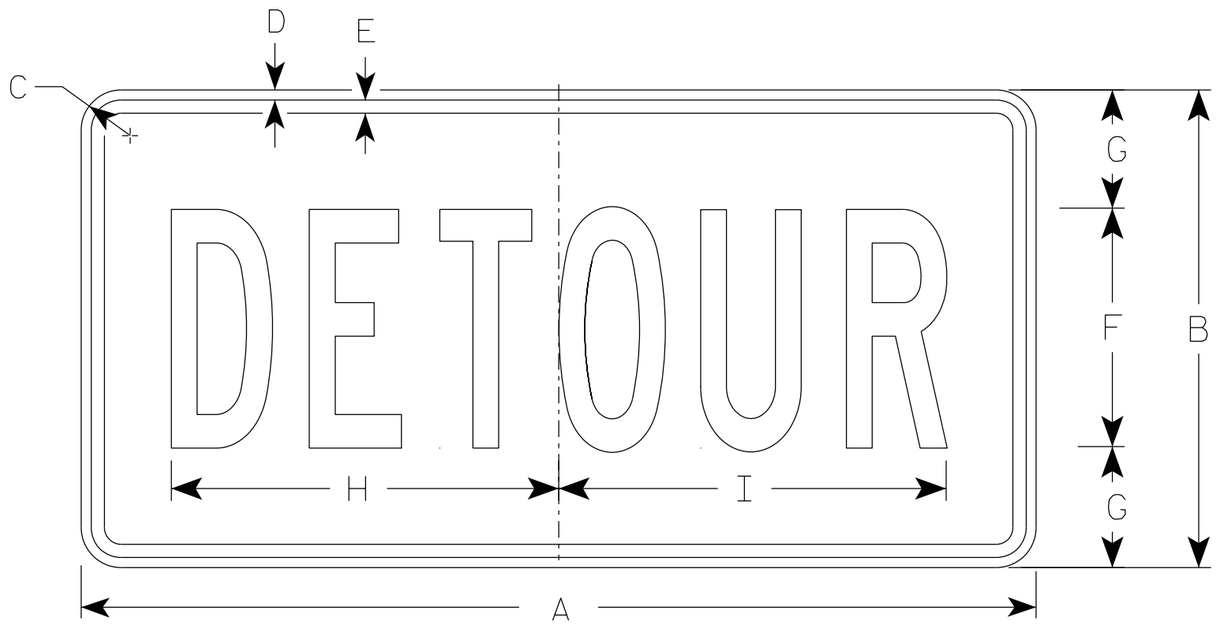
INTERSTATE ROUTE MARKER M1-1 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 11/7/2022 PLATE NO. M1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 251 | E



M4-8

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
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																											
2	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

STANDARD SIGN
M4-8

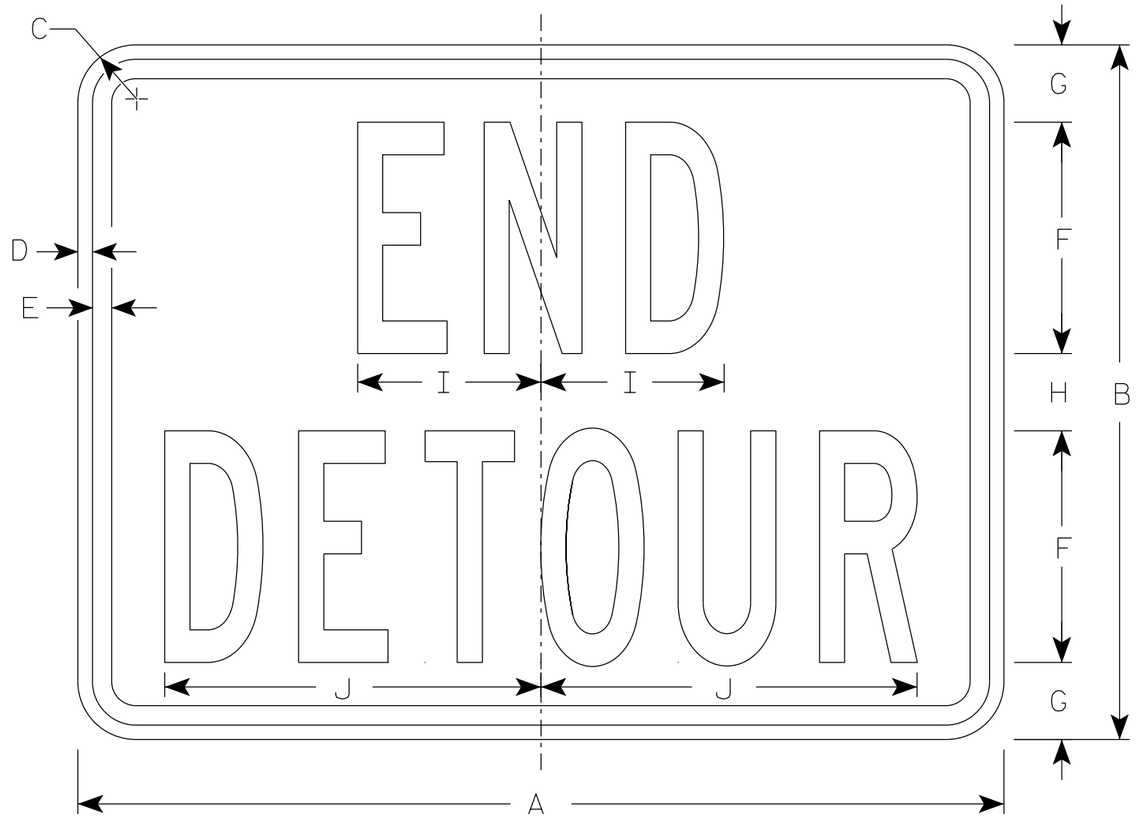
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M48.dgn PLOT DATE : 9-FEB 2023 7:38 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
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																											
2	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

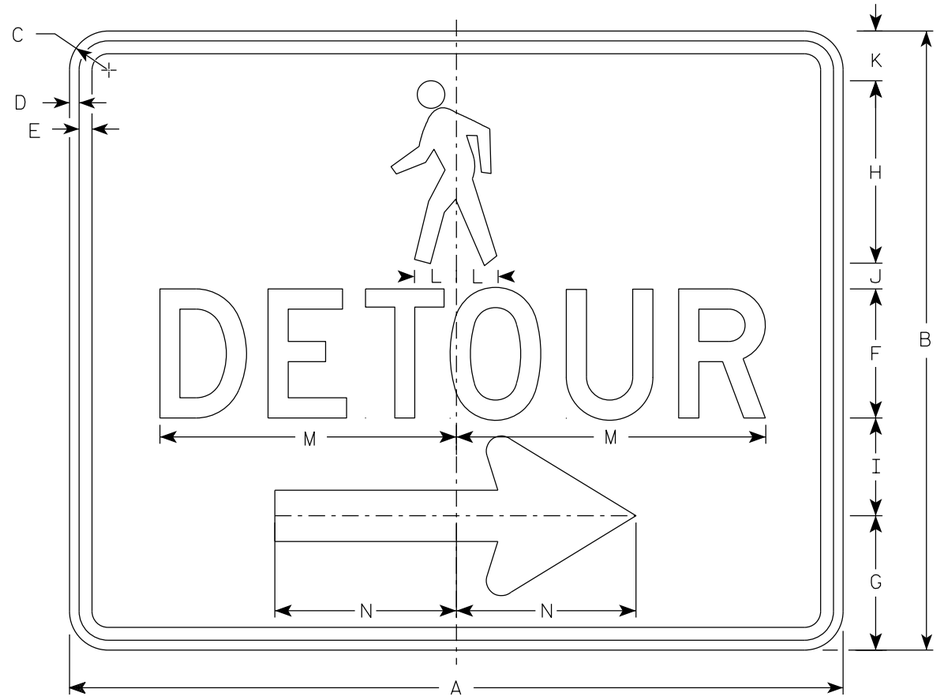
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

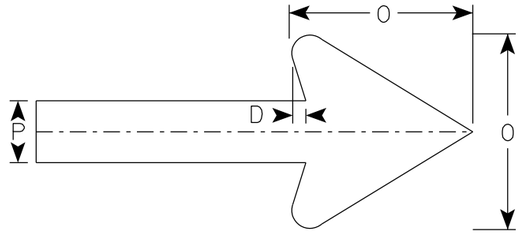
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 253 | E



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																											

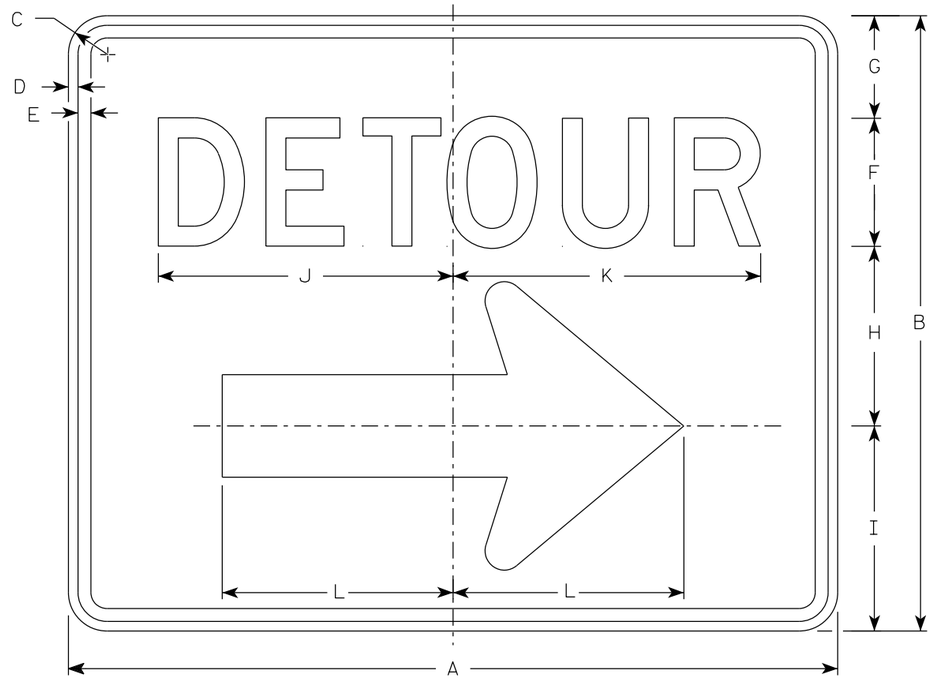
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9B.4

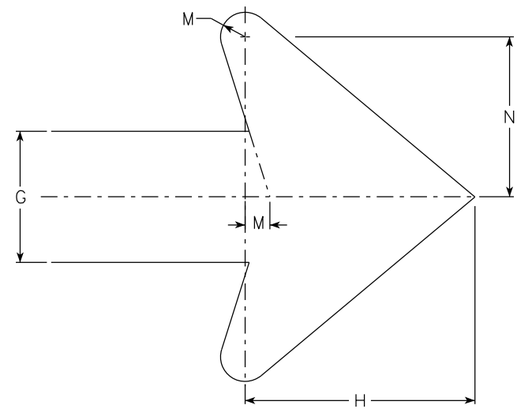
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 254 | E



M4-9R

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.
4. M4-9L is the same as M4-9R 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																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

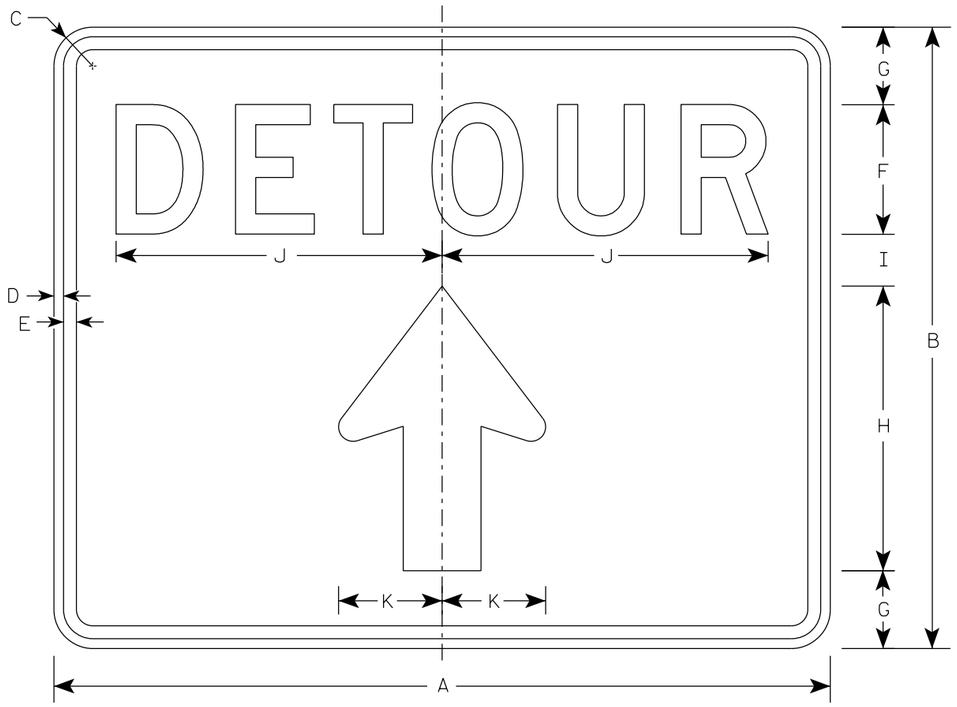
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9R.6

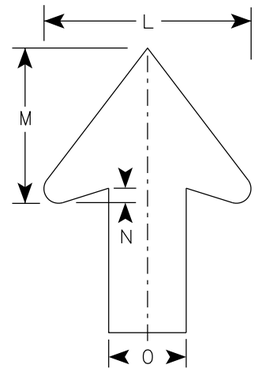
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

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																											

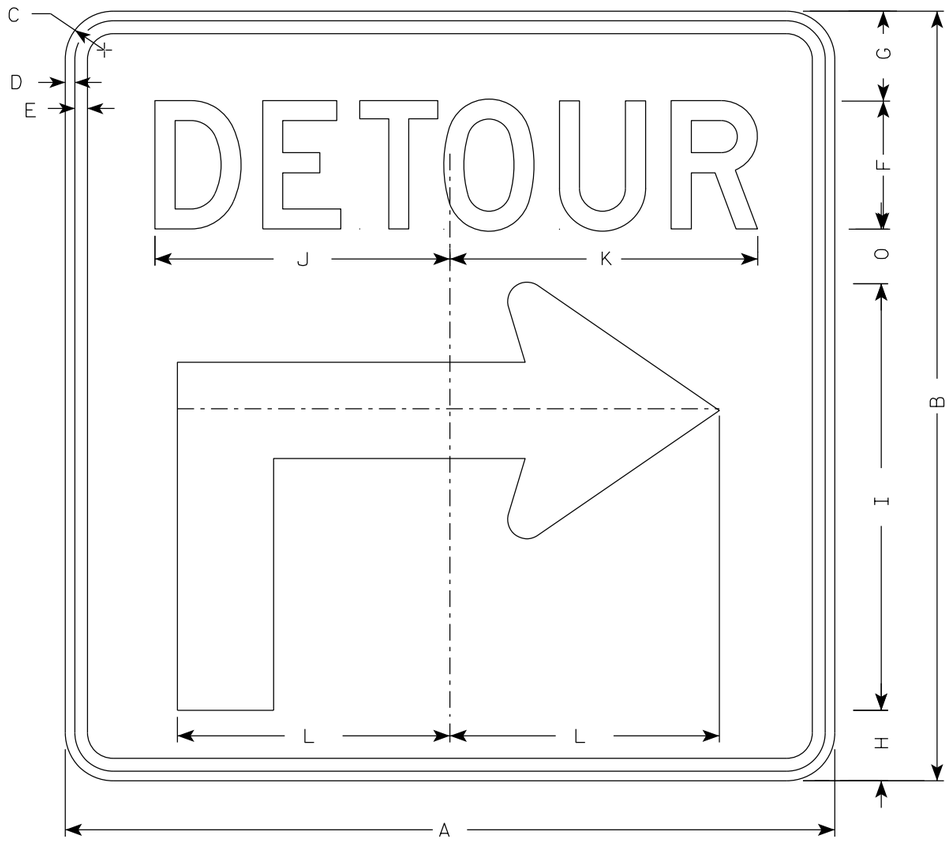
STANDARD SIGN
M4-9RA

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-9RA.3

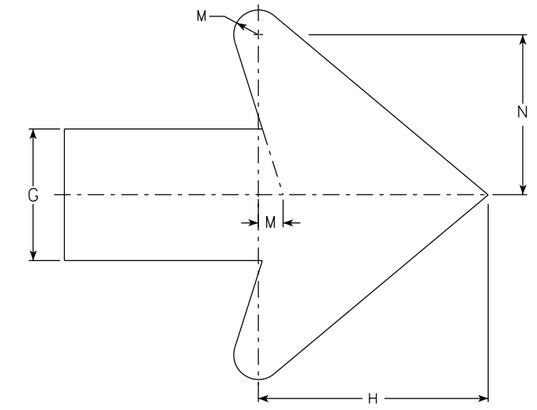
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 256	E



M4-59R

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.
5. M4-59L is the same as M4-59R 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	30	1 7/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
2M	30	30	1 7/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 7/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	2 1/4	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	2 1/4	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

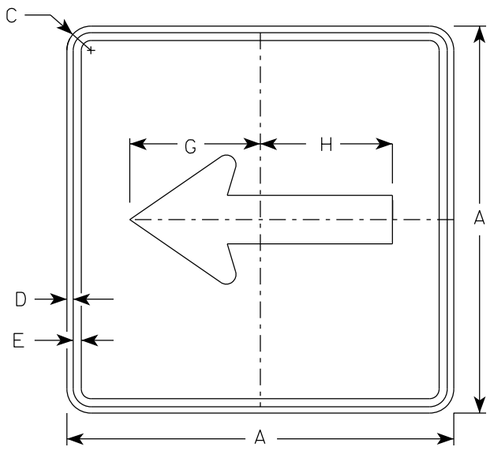
STANDARD SIGN
M4-59 L&R

WISCONSIN DEPT OF TRANSPORTATION

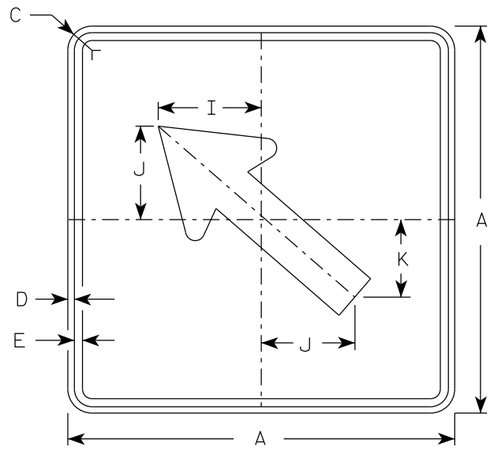
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M4-59.2

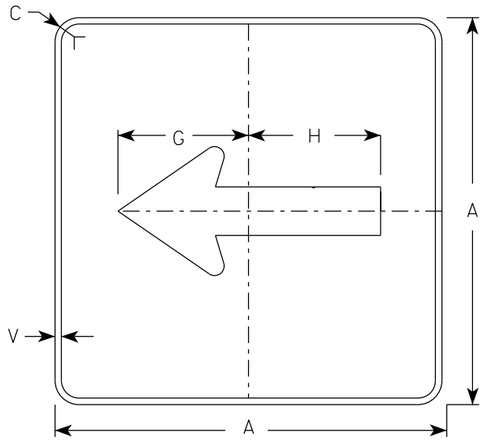
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



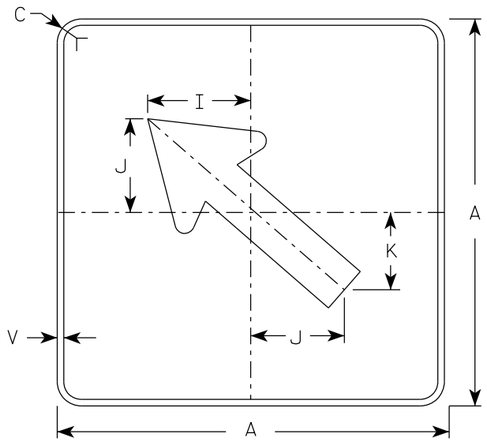
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

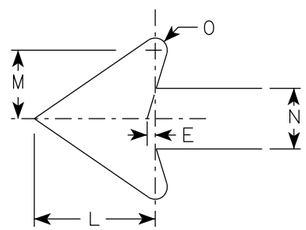


MB6-2
MK6-2
MN6-2
MR6-2

NOTES

1. Signs are Type II - Type H Reflective except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
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. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow

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	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
2M	21		1 1/2	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2							1/2					3.06
3	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
4	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25
5	30		1 7/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4							1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

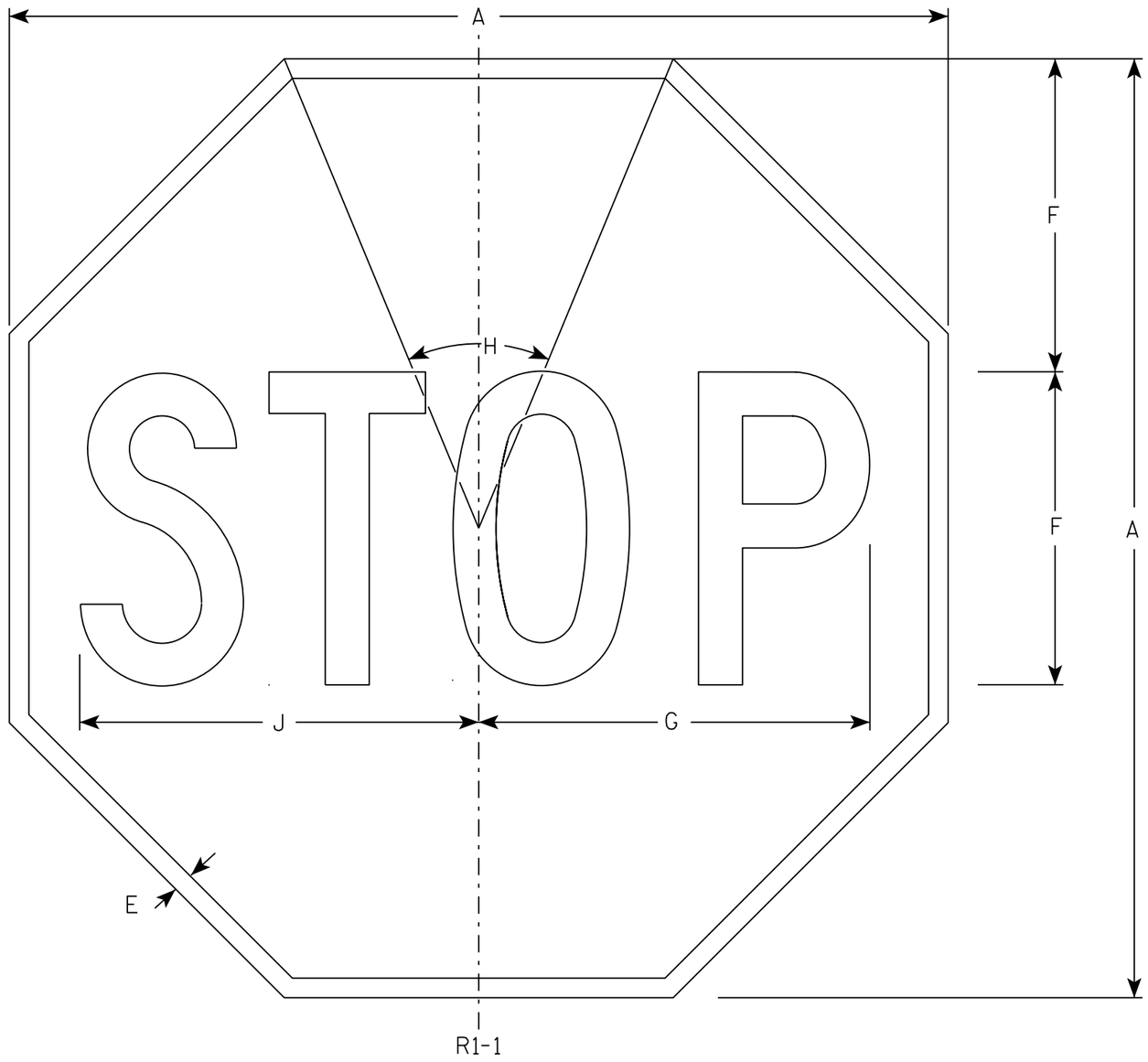
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 258 | E

7

7



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

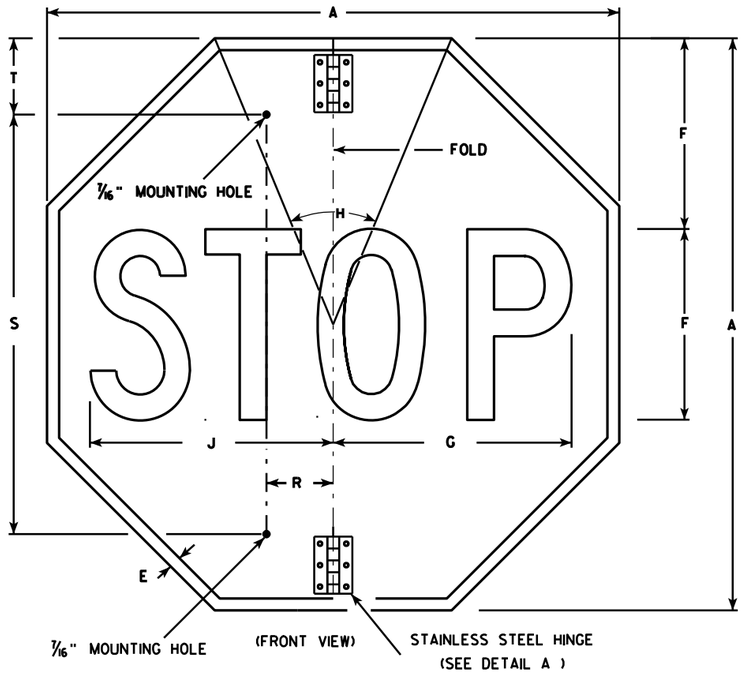
STANDARD SIGN
R1-1

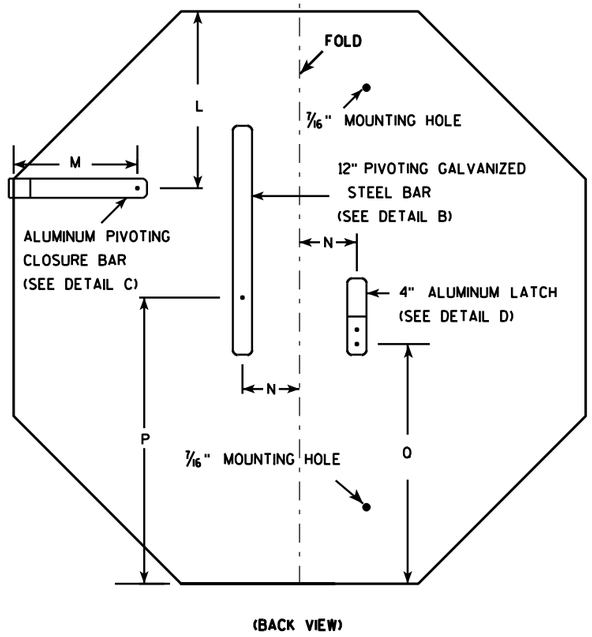
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

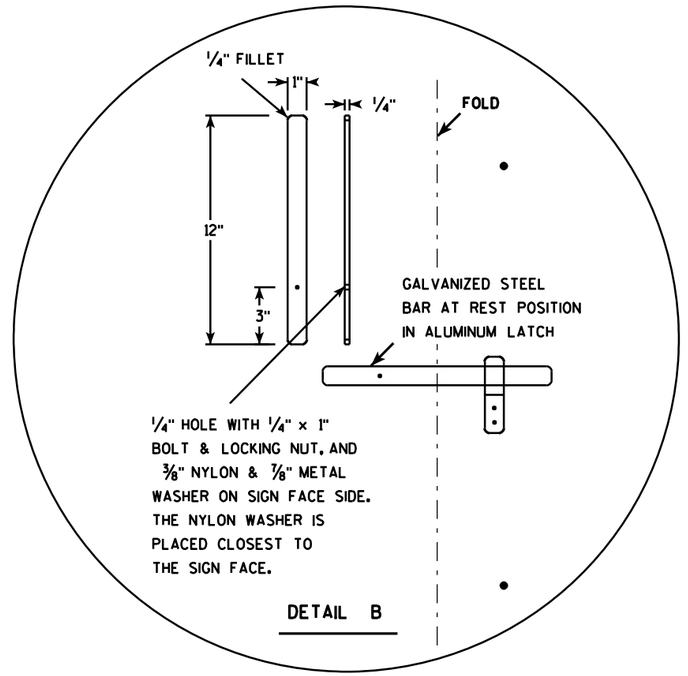
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 259	E



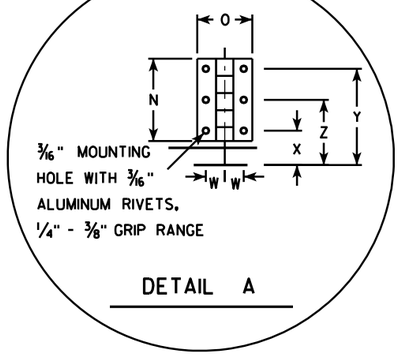


NOTES

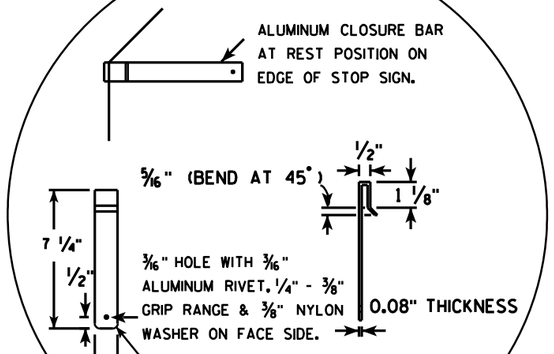
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



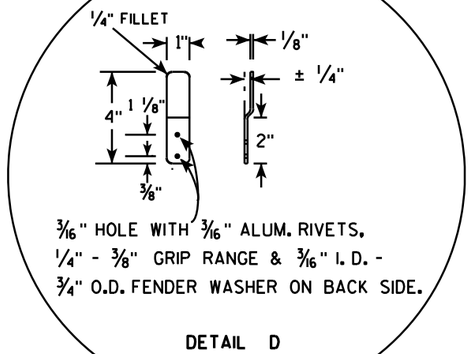
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

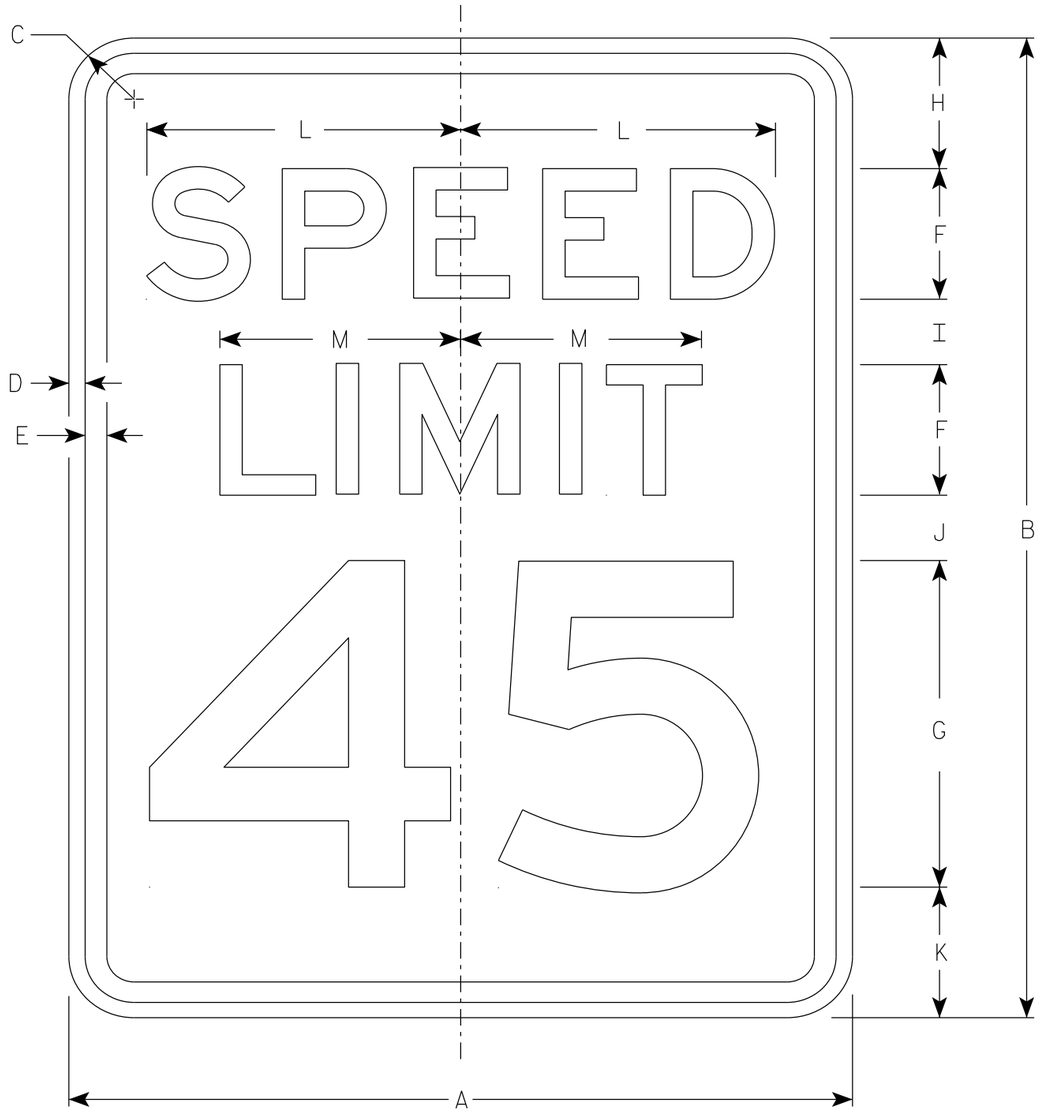
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 260	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

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	18	24	1 1/2	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/2	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 7/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 7/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	3	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

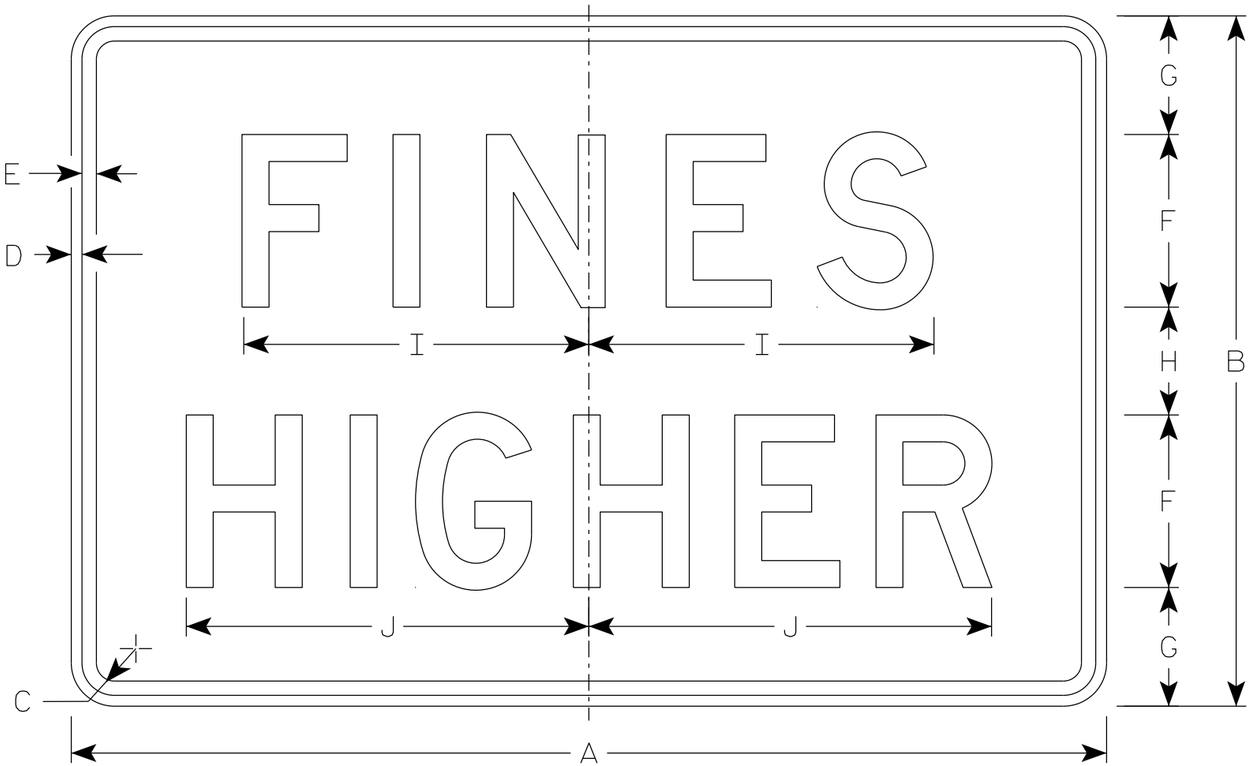
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 261 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R2-6P

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	18	1 1/2	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/2	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/2	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/2	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 7/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

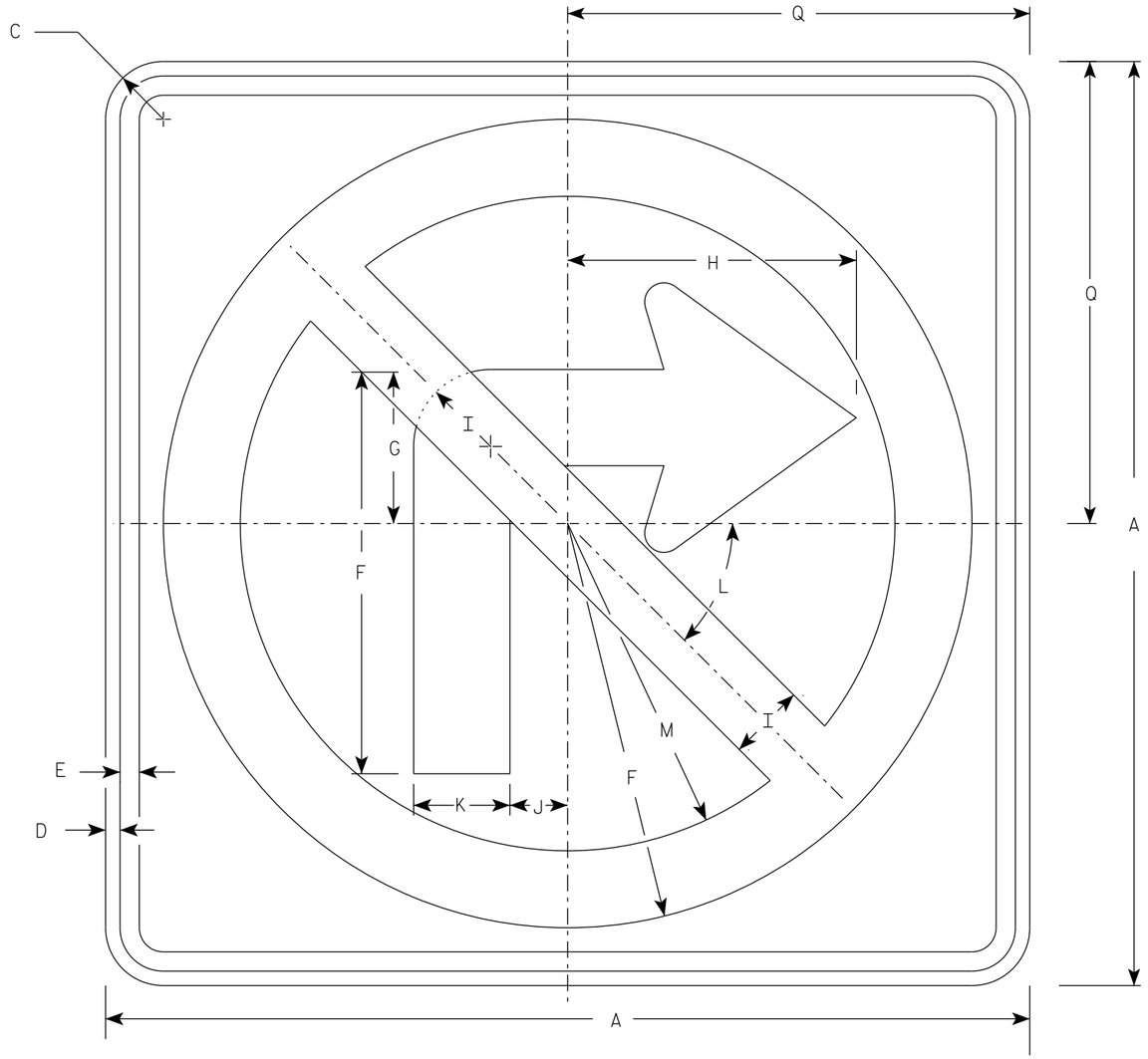
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-6P.3

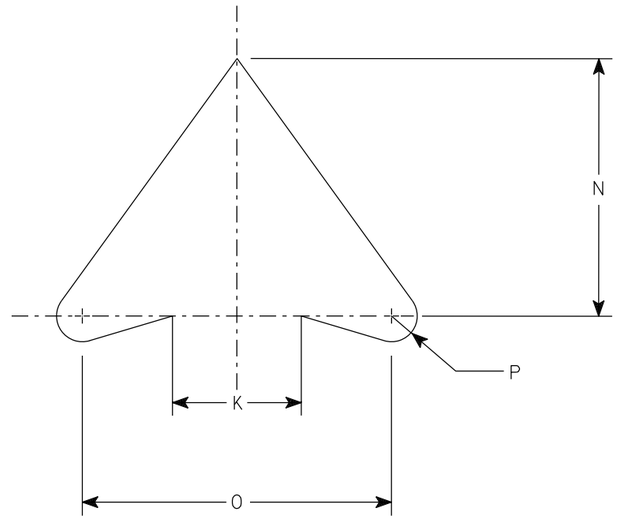
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 262 | E



R3-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45	8 ½	5	6	½	12										4.0
2S	24		1 ½	⅜	½	10 ½	4	7 ½	2	1 ½	2 ½	45°	8 ½	5	6	½	12										4.0
2M	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
3	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45	12 ¾	7 ½	9	¾	18										9.0
4	36		2 ¼	⅝	¾	15 ¾	6	11 ¼	3	2 ¼	3 ¾	45°	12 ¾	7 ½	9	¾	18										9.0
5	48		2 ¼	¾	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

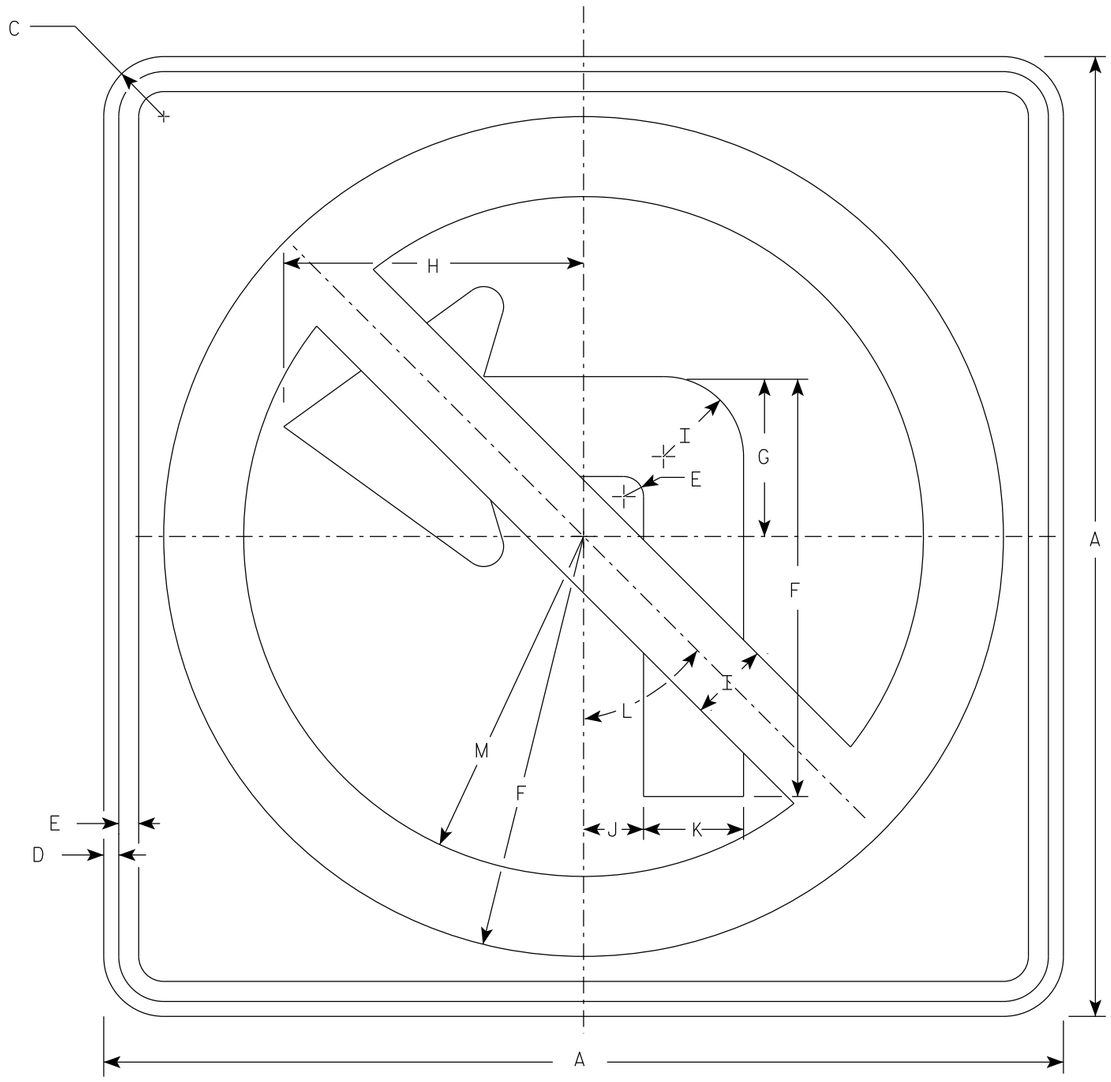
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

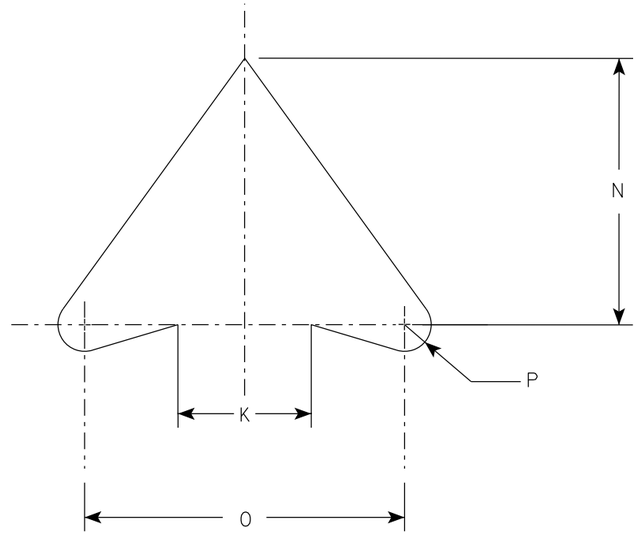
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 263 | E



R3-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



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	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/2	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		2 1/4	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

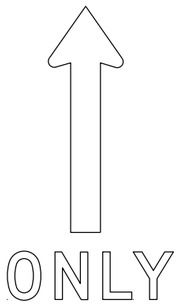
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-2.11

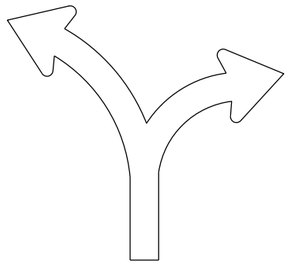
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 264 | E

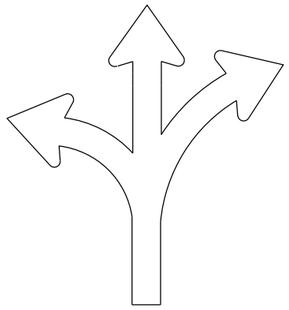


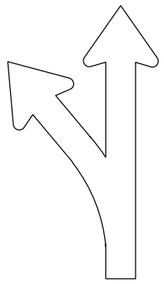
(A)

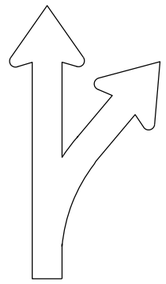


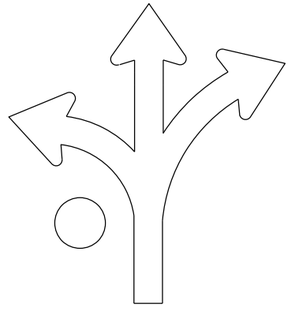
(B)

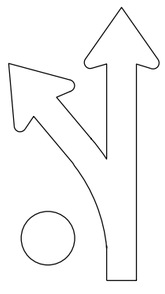

(C)

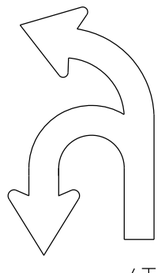

(D)

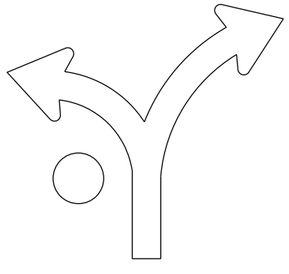

(E)

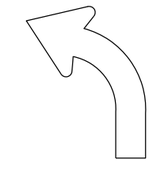

(F)


(G)

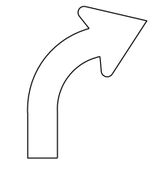

(H)


(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

PROJECT NO:

SHEET NO: 265 E

FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:01 PLOT BY : mscj9h PLOT NAME :

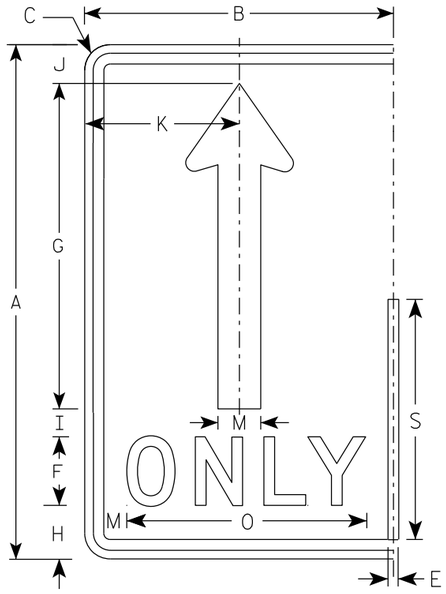
WISDOT/CADDS SHEET 42

7

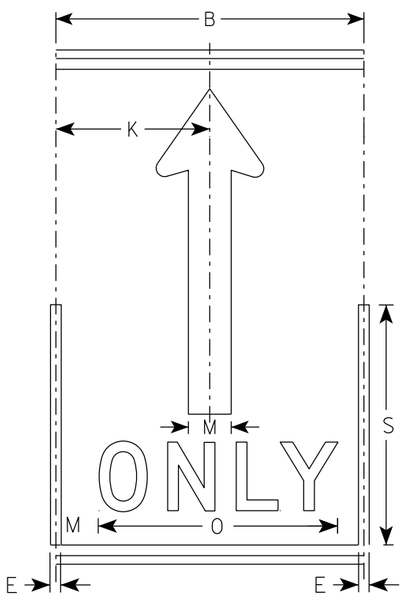
7

NOTES

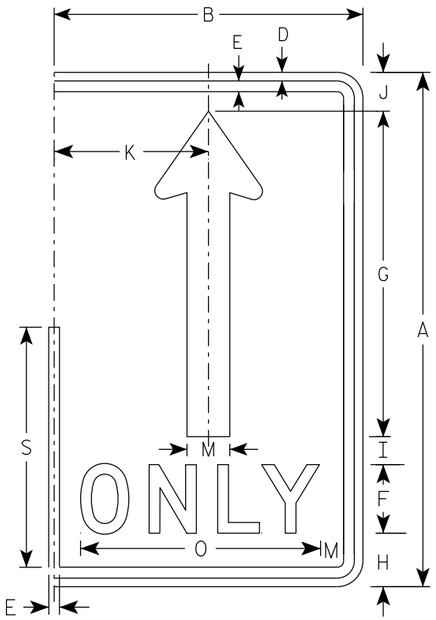
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



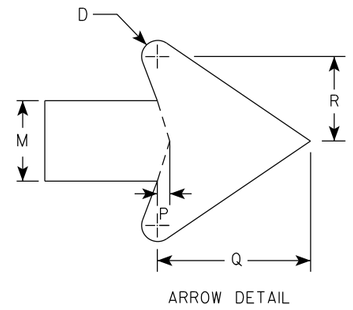
(A)



(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

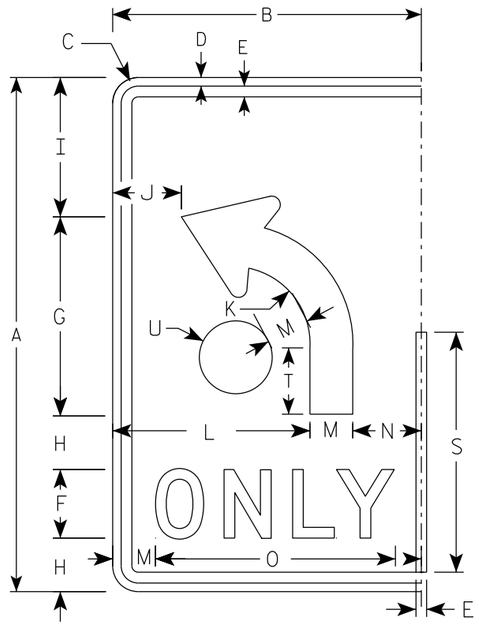
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

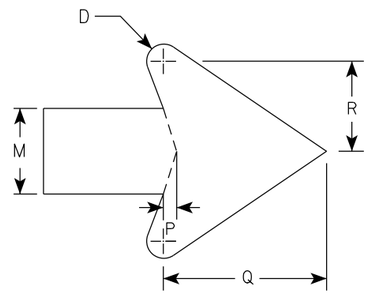
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 266 | E

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

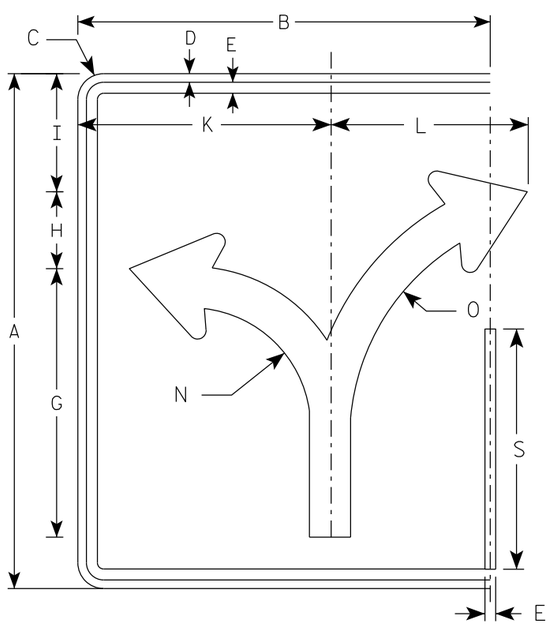
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

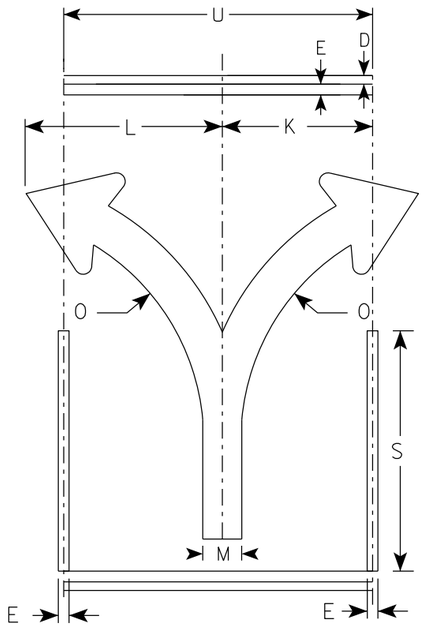
SHEET NO: 267 E

NOTES

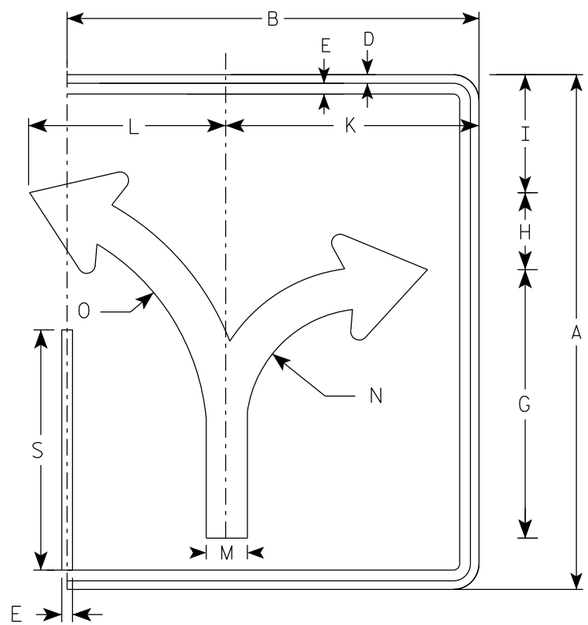
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



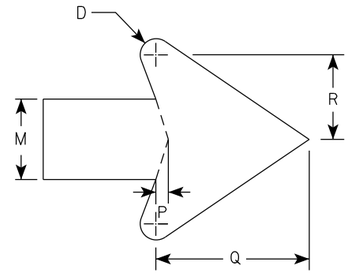
(C)



(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

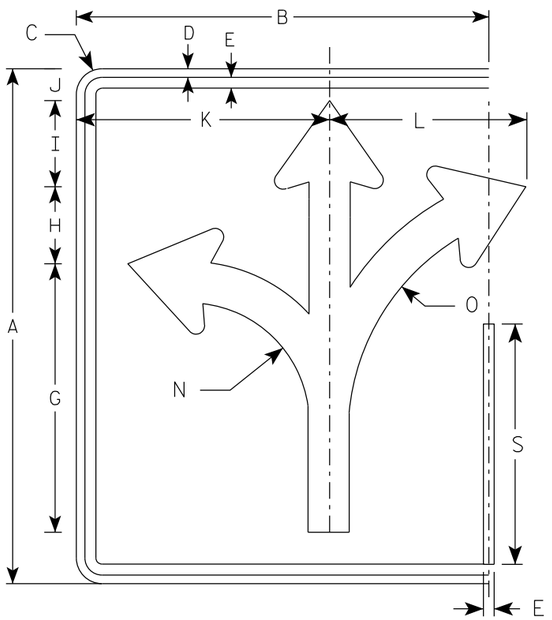
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

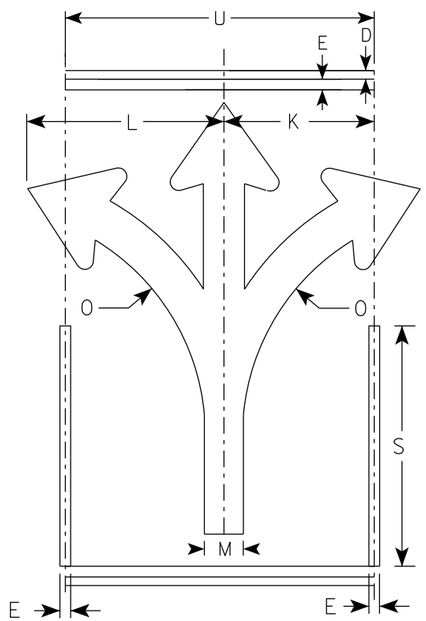
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 268 E

NOTES

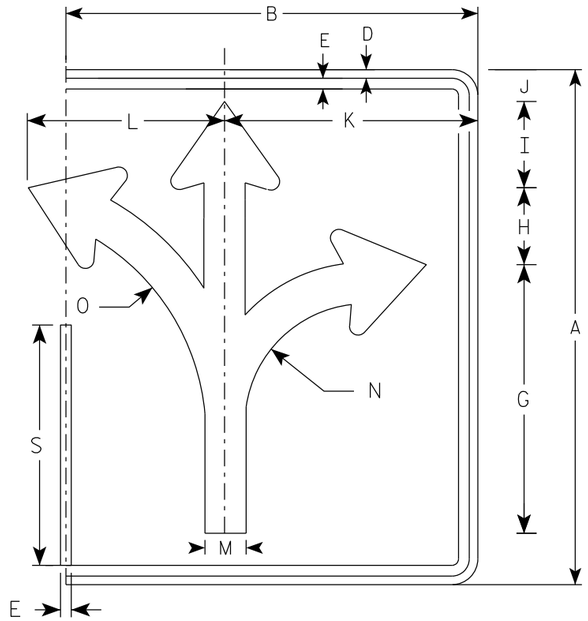
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



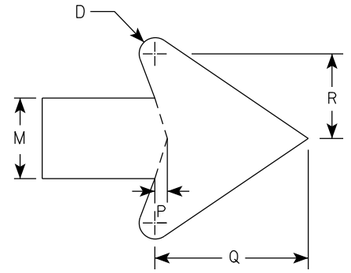
(D)



(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

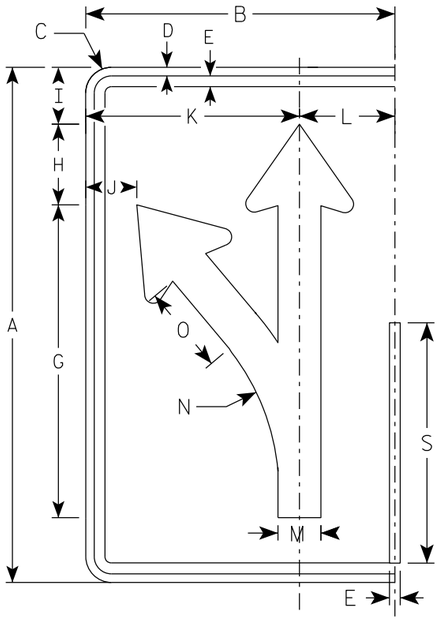
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

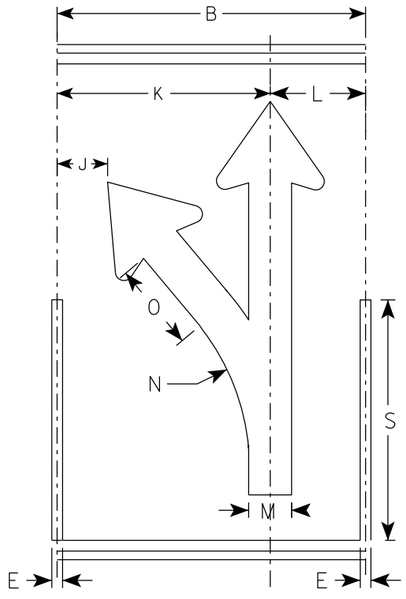
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 269 | E

NOTES

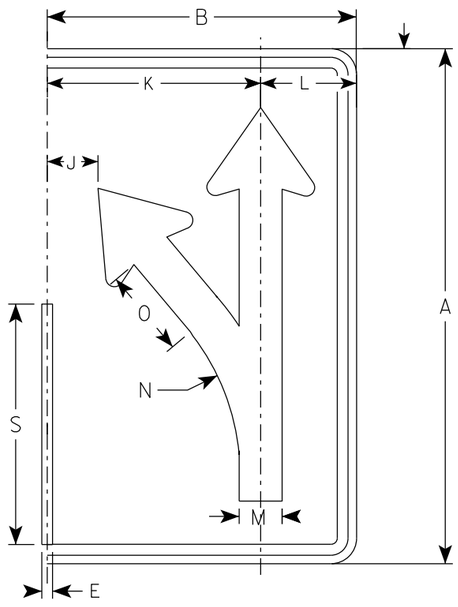
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



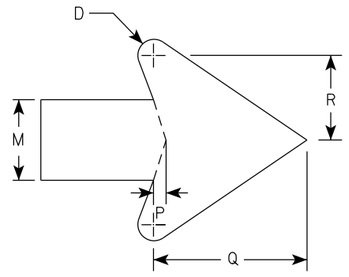
(E)



(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

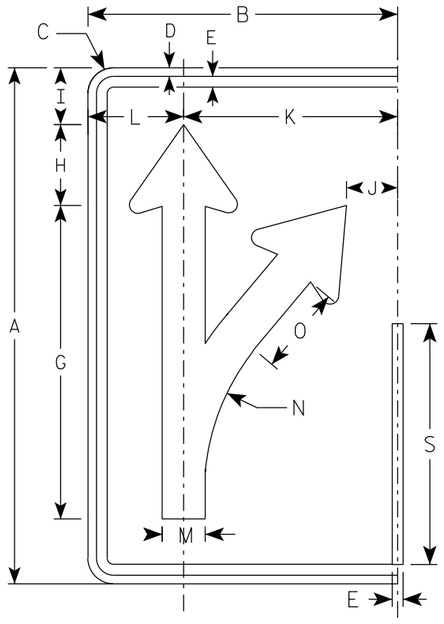
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

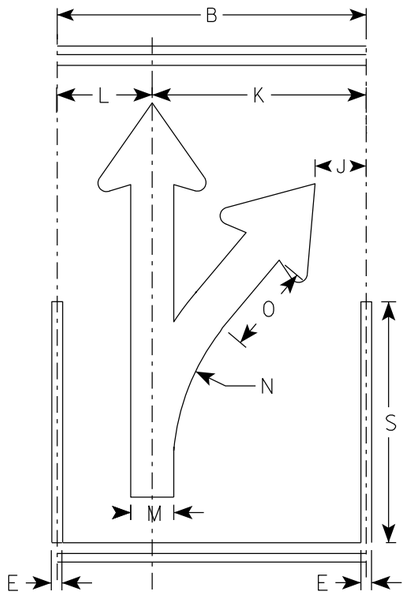
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 270 | E

NOTES

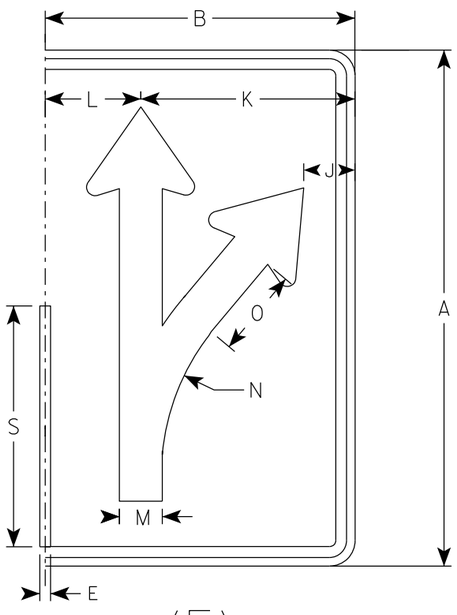
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



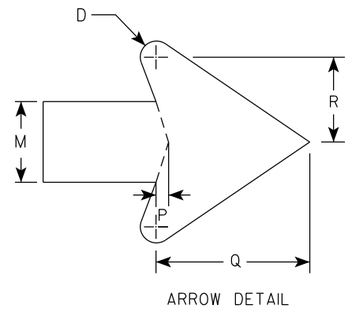
(F)



(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

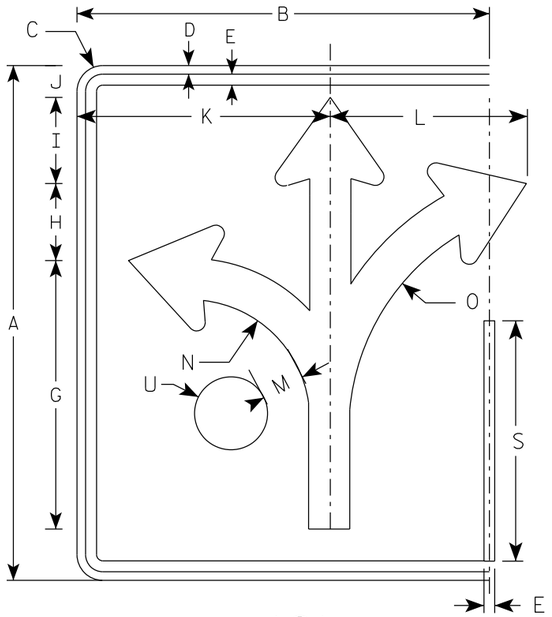
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

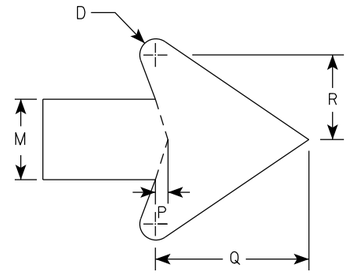
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 271 | E

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

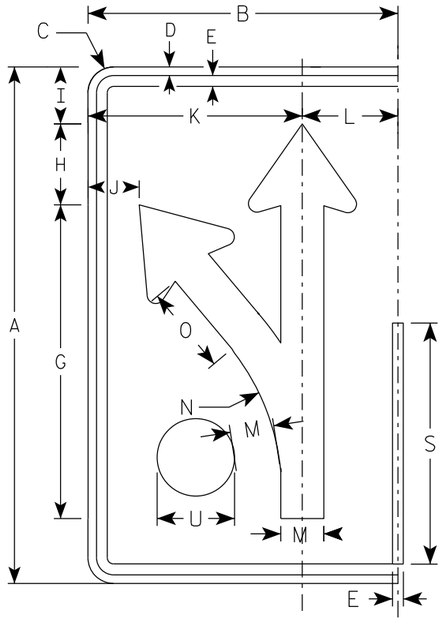
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

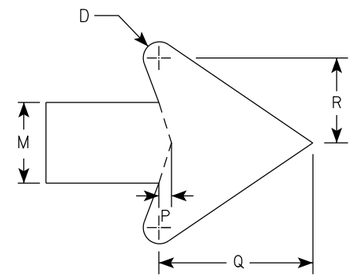
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 272	E

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

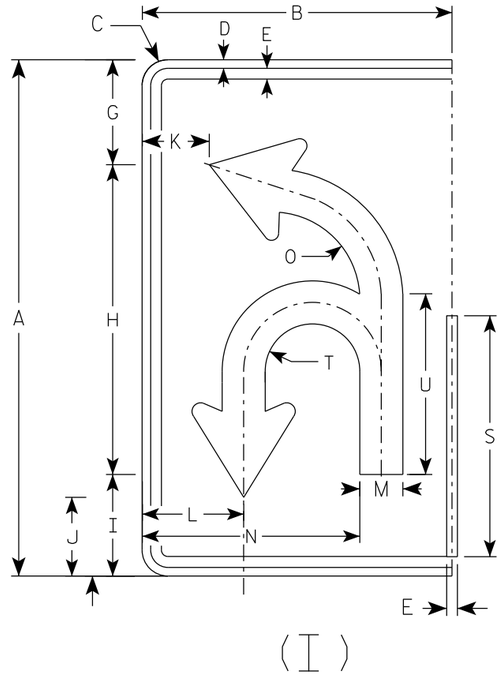
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

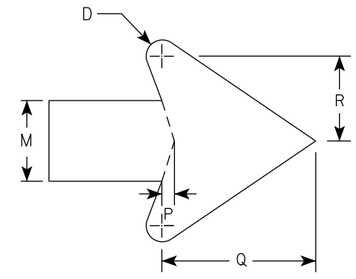
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 273 | E

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

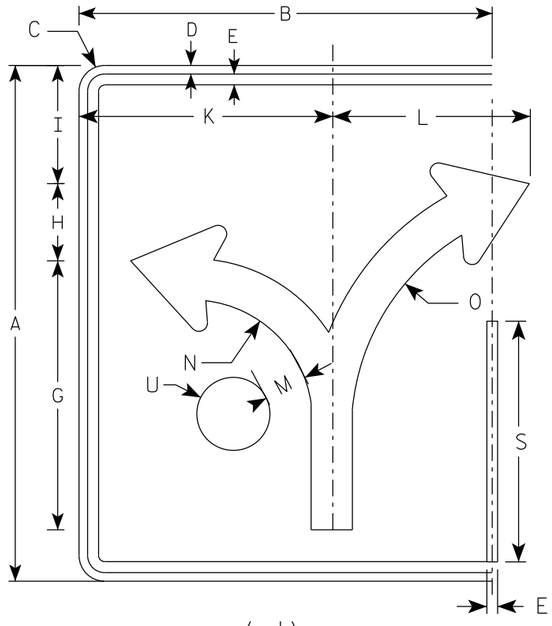
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 274 | E

7

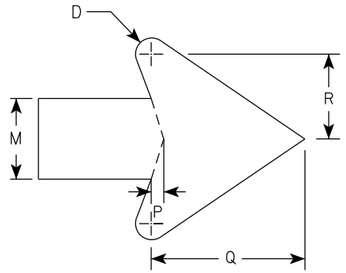
7

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

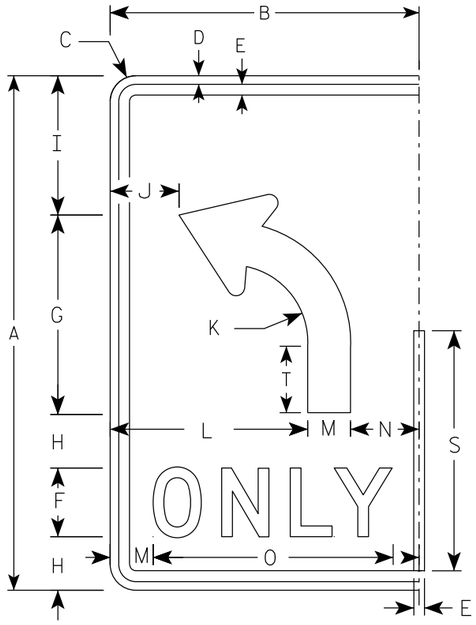
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 275 | E

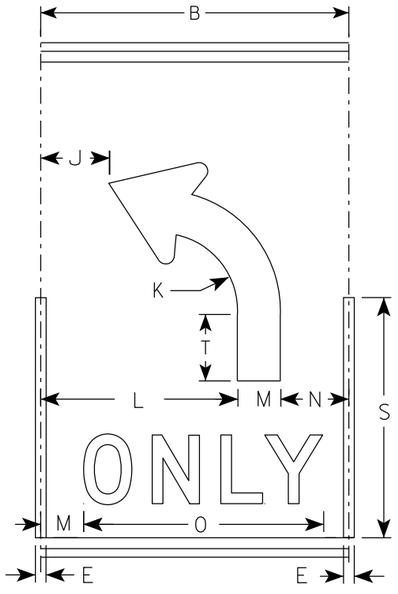
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 14-FEB 2023 3:18 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

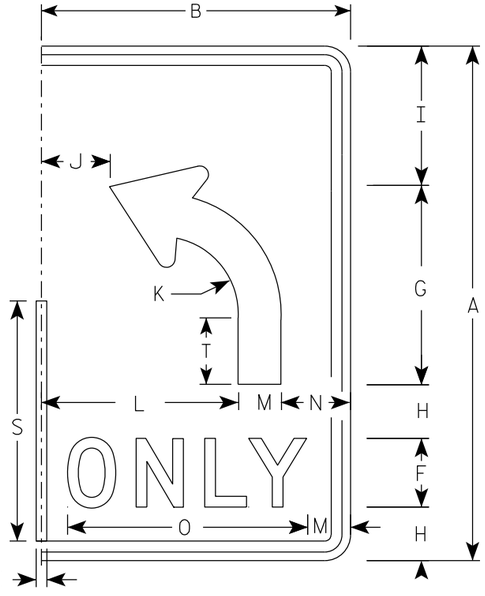
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



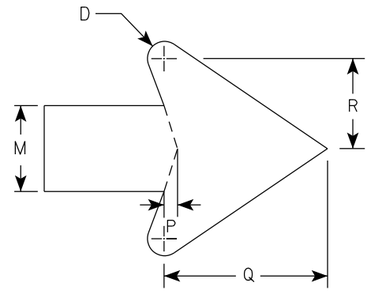
(L)



(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

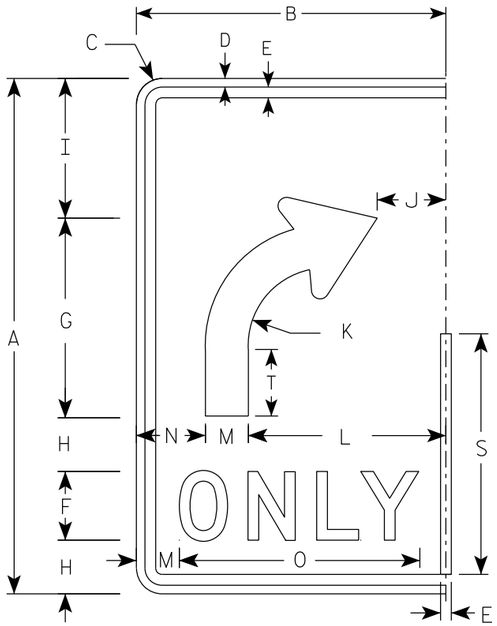
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

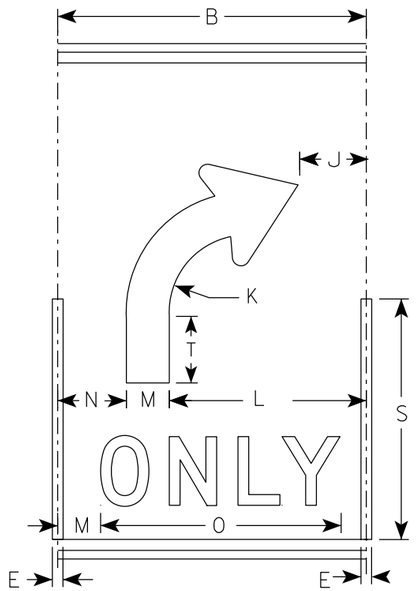
SHEET NO: 276 E

NOTES

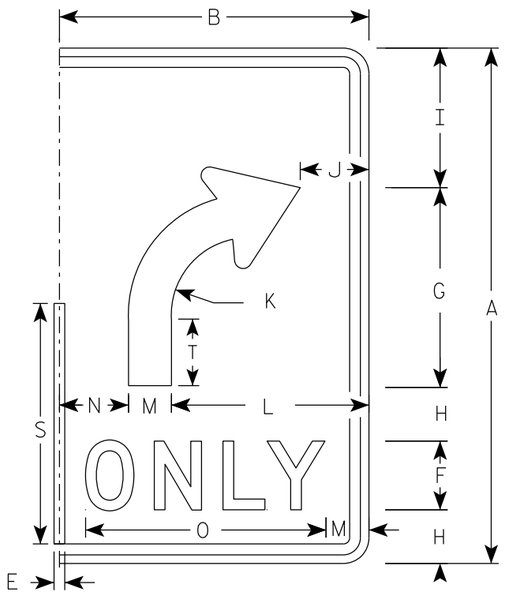
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



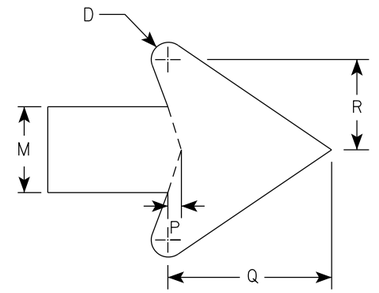
(R)



(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

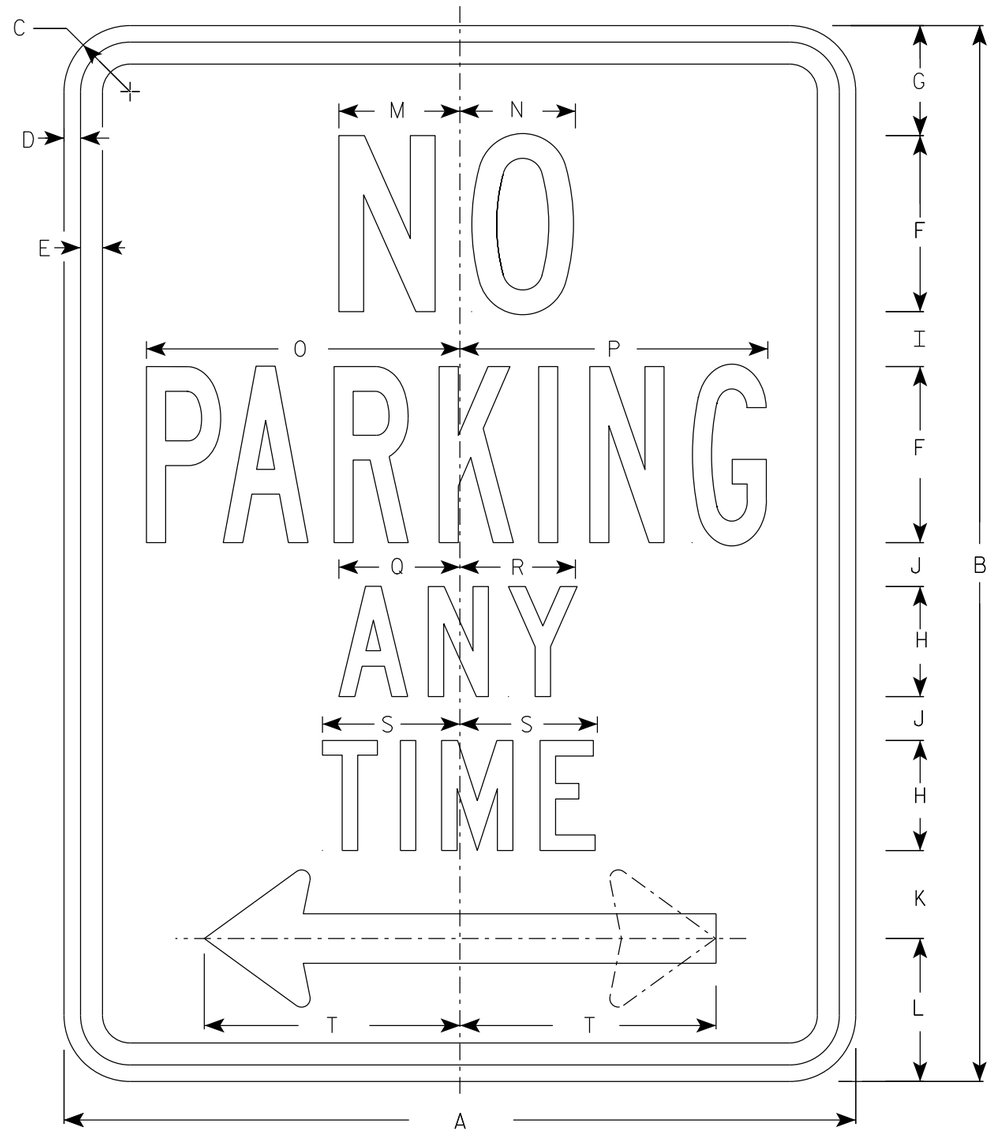
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO:

SHEET NO: 277 E

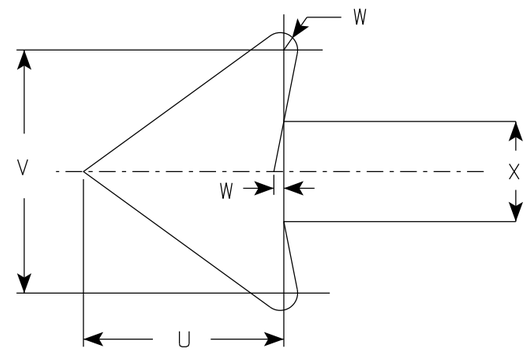


R7-1

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. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (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 ½	⅜	⅜	3	1 ⅞	2	⅞	⅝	1 ½	2 ½	2	2	4 ⅞	4 ⅞	2 ¼	2 ⅛	2 ½	3 ⅞	1 ½	1 ¾	⅛	¾			1.5
2S	18	24	1 ½	⅜	½	4	2 ½	2 ½	1 ¼	1	2	3 ¼	2 ¾	2 ⅝	7 ⅛	7	2 ¾	2 ⅝	3 ⅛	5 ⅞	2 ¼	2 ⅝	¼	1 ⅛			3.0
2M	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
3	24	30	1 ½	⅜	½	5	3	3	2	1 ¼	2 ½	4	3 ¼	3 ⅜	9 ¼	9 ¼	3 ¼	3 ¼	3 ¾	7 ¾	3	3 ½	¼	1 ½			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 278 | E

7

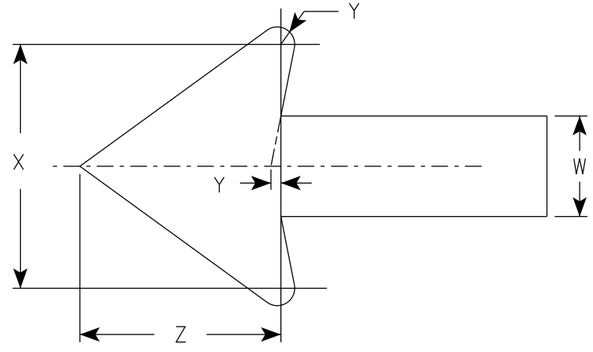
7



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																											

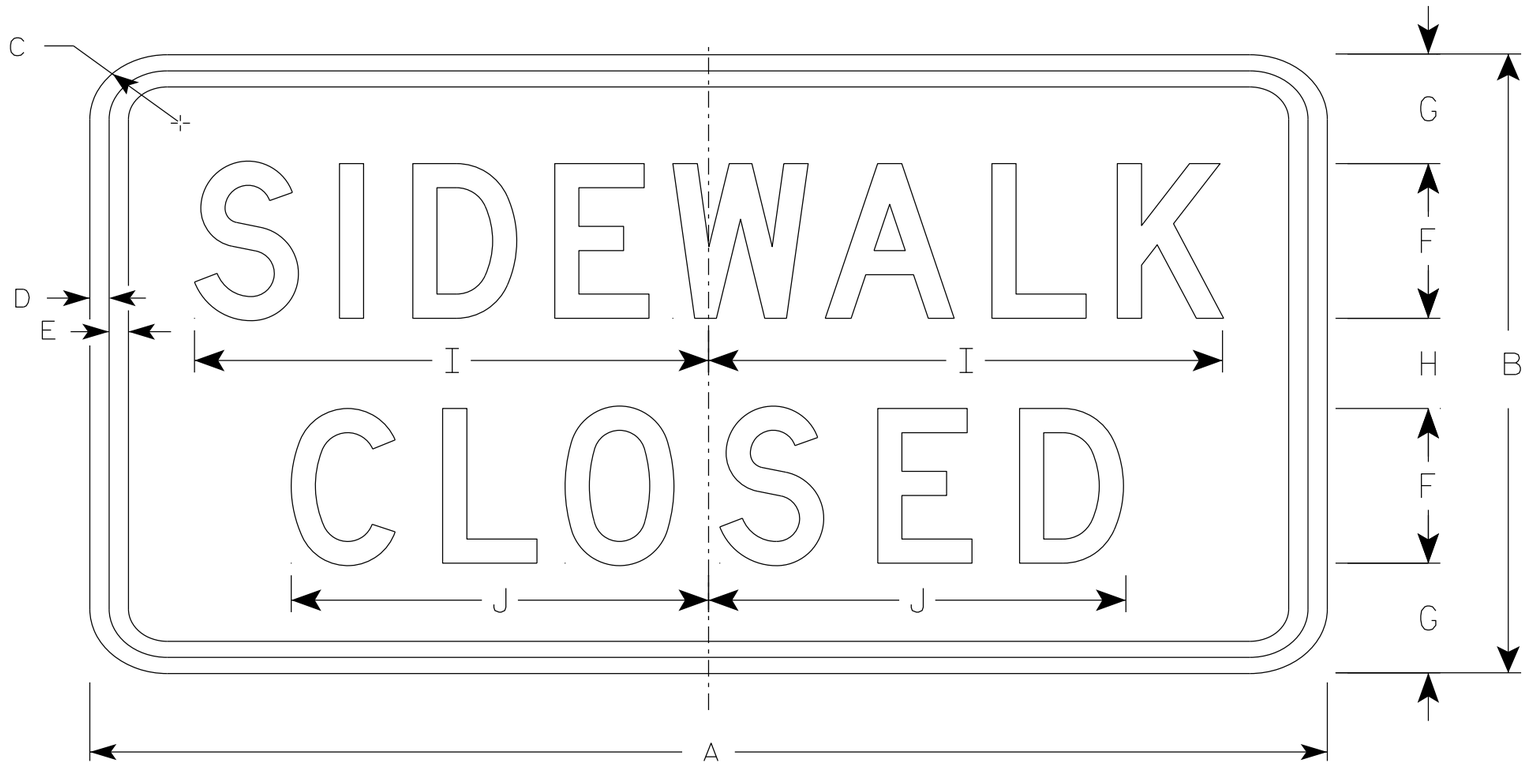
STANDARD SIGN
R7-51

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: 279	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

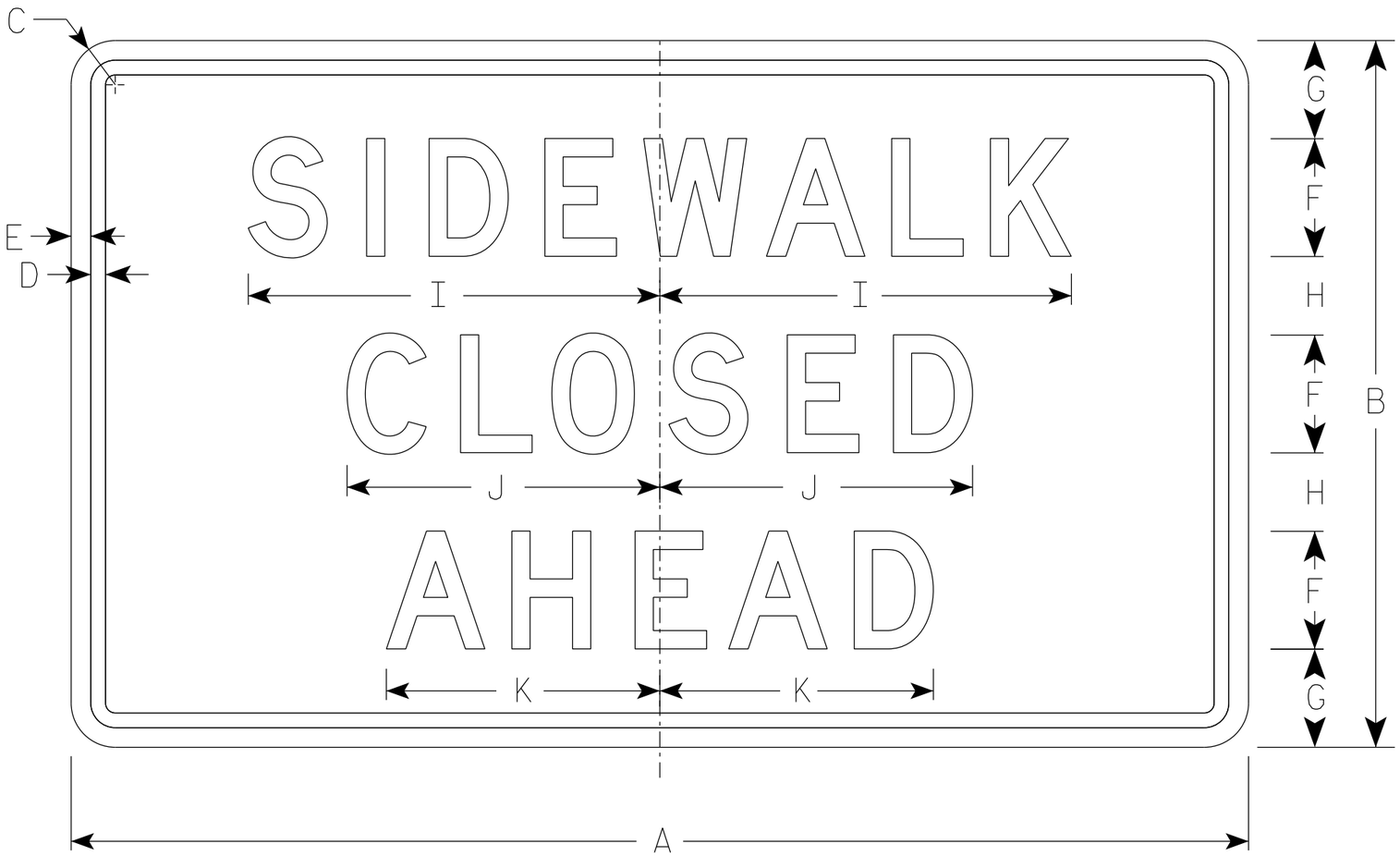
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 280 | 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																											

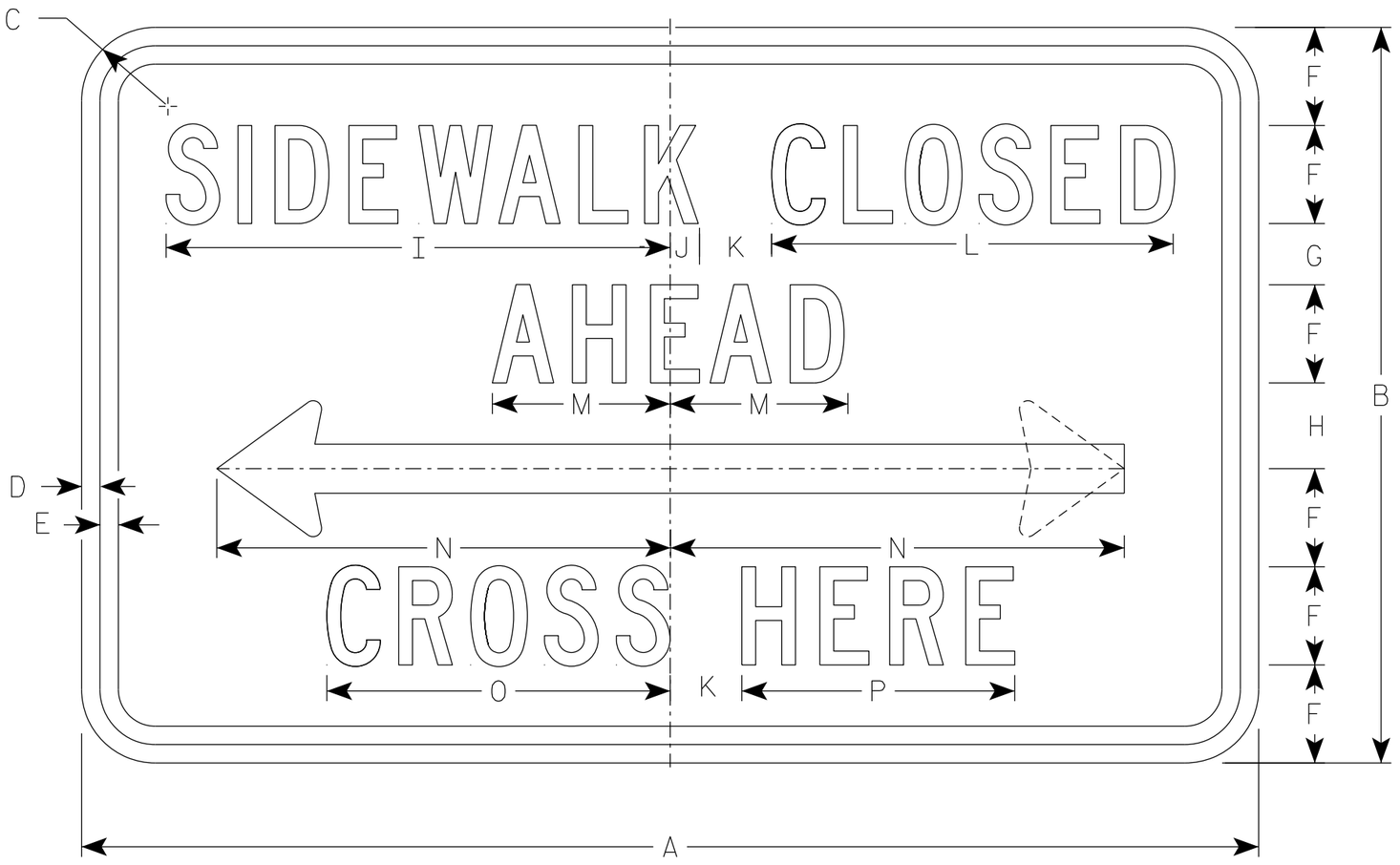
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

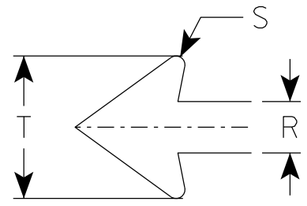
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9A.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 281 | E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
5. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

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 1/2	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/2	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/2	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

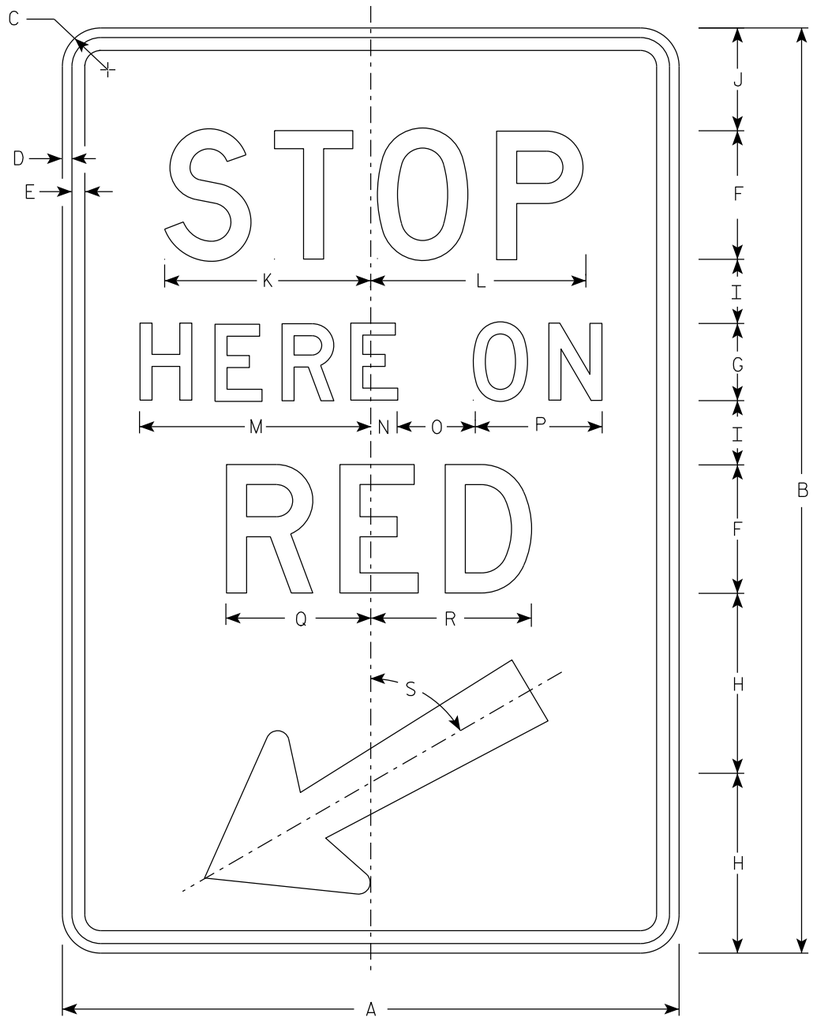
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-11.5

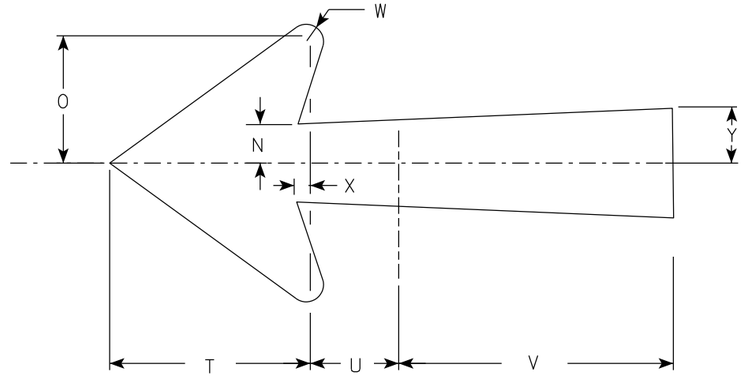
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 282 E



R10-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - 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	Areq sq. ft.
1																											
2S	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
2M	24	36	1 1/2	3/8	1/2	5	3	7	2 1/2	4	8	8 3/8	9	1	3	5	5 5/8	6 1/4	60°	5 1/4	2 1/4	7 1/8	1/2	3/8	1 3/8		6.0
3																											
4																											
5																											

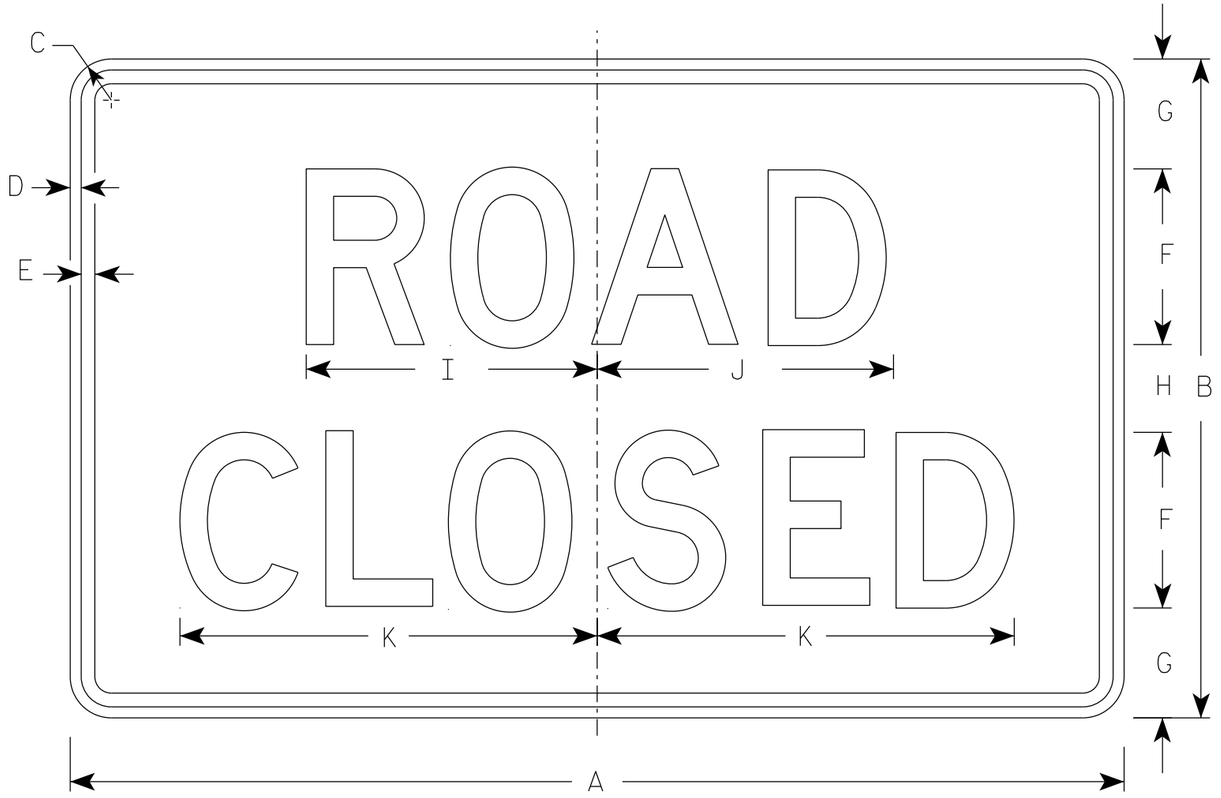
STANDARD SIGN
R10-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/24 PLATE NO. R10-6.7

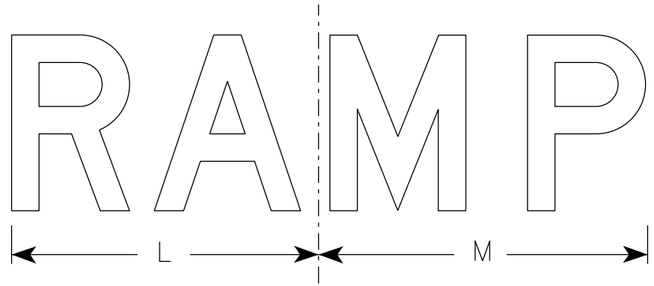
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 283	E



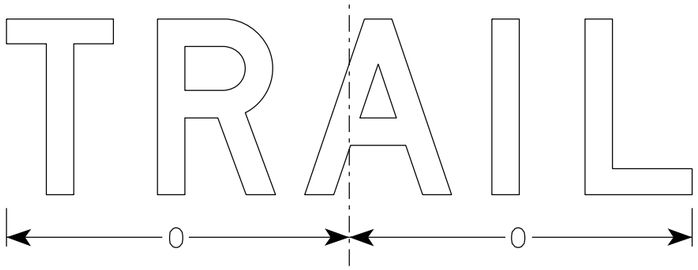
R11-2

NOTES

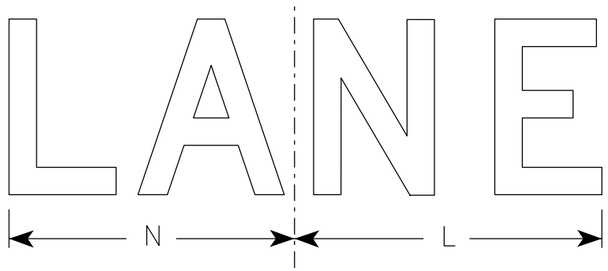
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

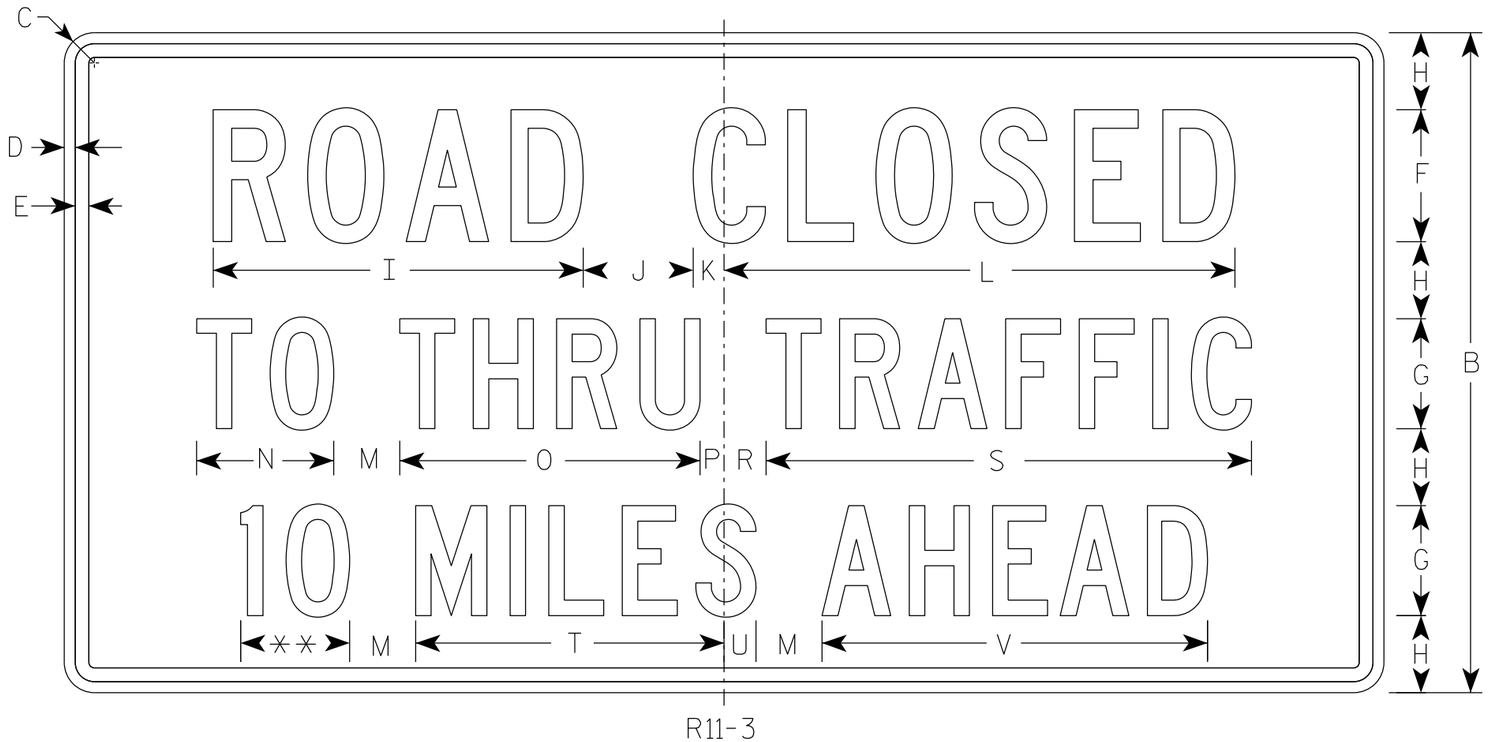
DATE 2/5/24 PLATE NO. R11-2.12

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

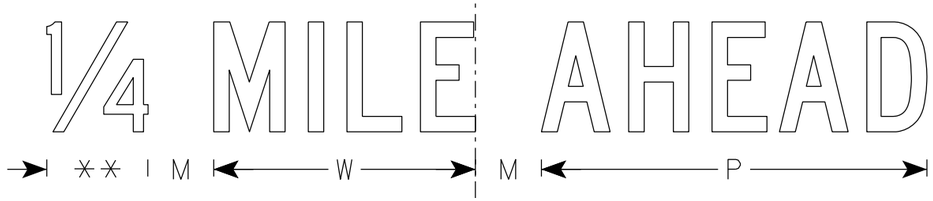
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



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	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

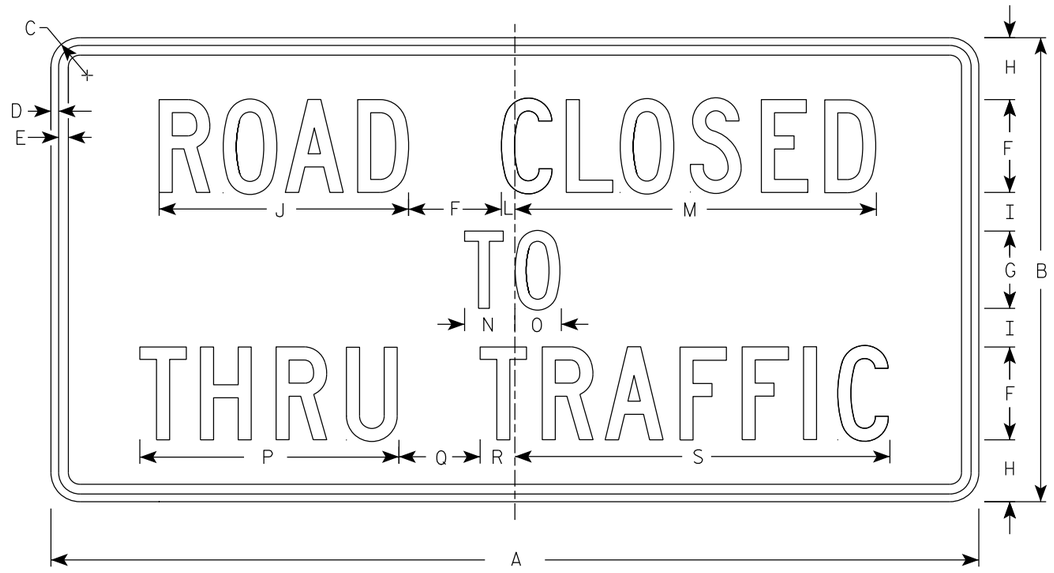
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 285 | E



R11-4

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   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																											
2S	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 7/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

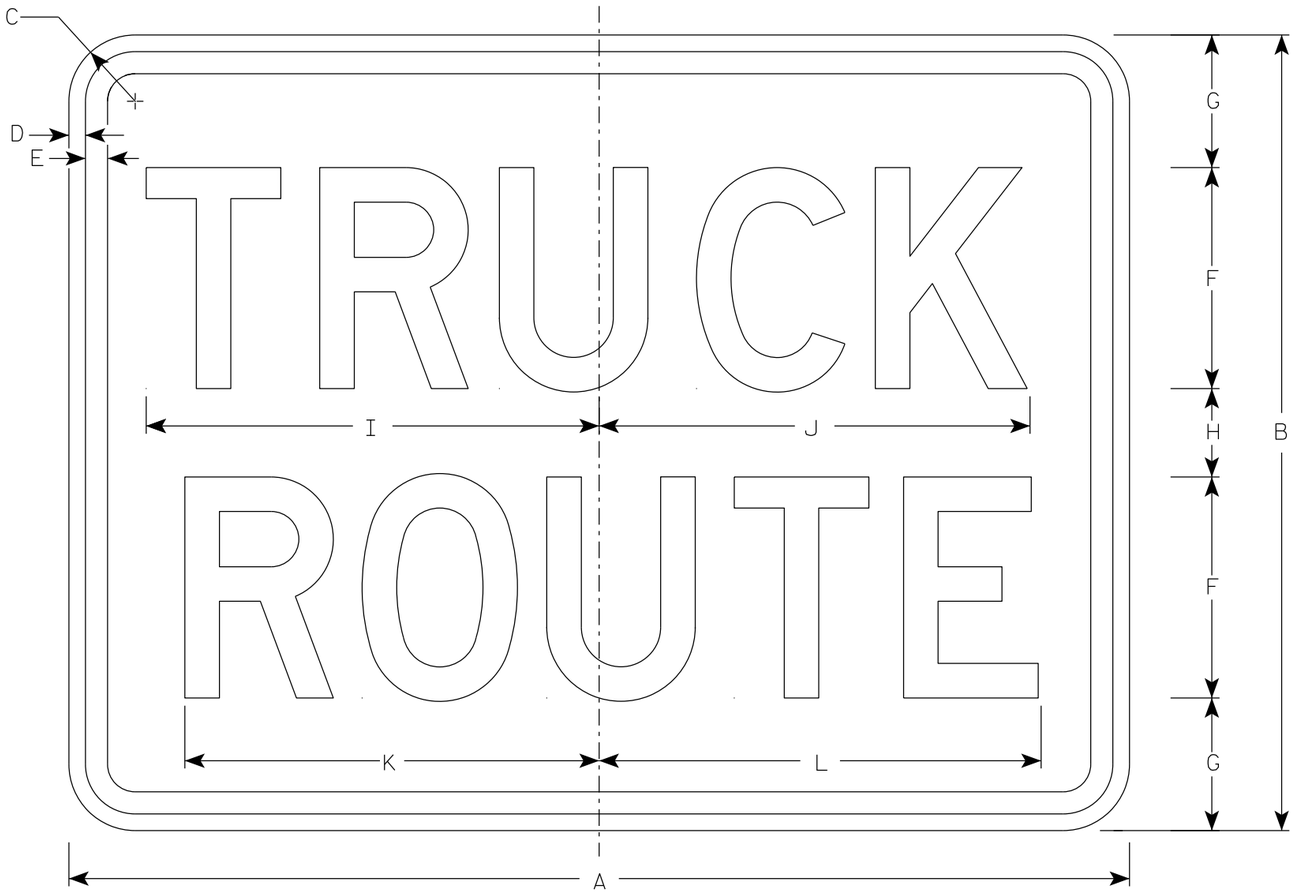
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-4.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 286 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



R14-1

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	18	1 1/2	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
2M	24	18	1 1/2	3/8	1/2	5	3	2	10 1/4	9 3/4	9 3/8	10															3.0
3	30	24	1 1/2	3/8	1/2	6	4	4	12 1/4	11 3/4	11 1/4	12															5.0
4																											
5																											

STANDARD SIGN
R14-1

WISCONSIN DEPT OF TRANSPORTATION

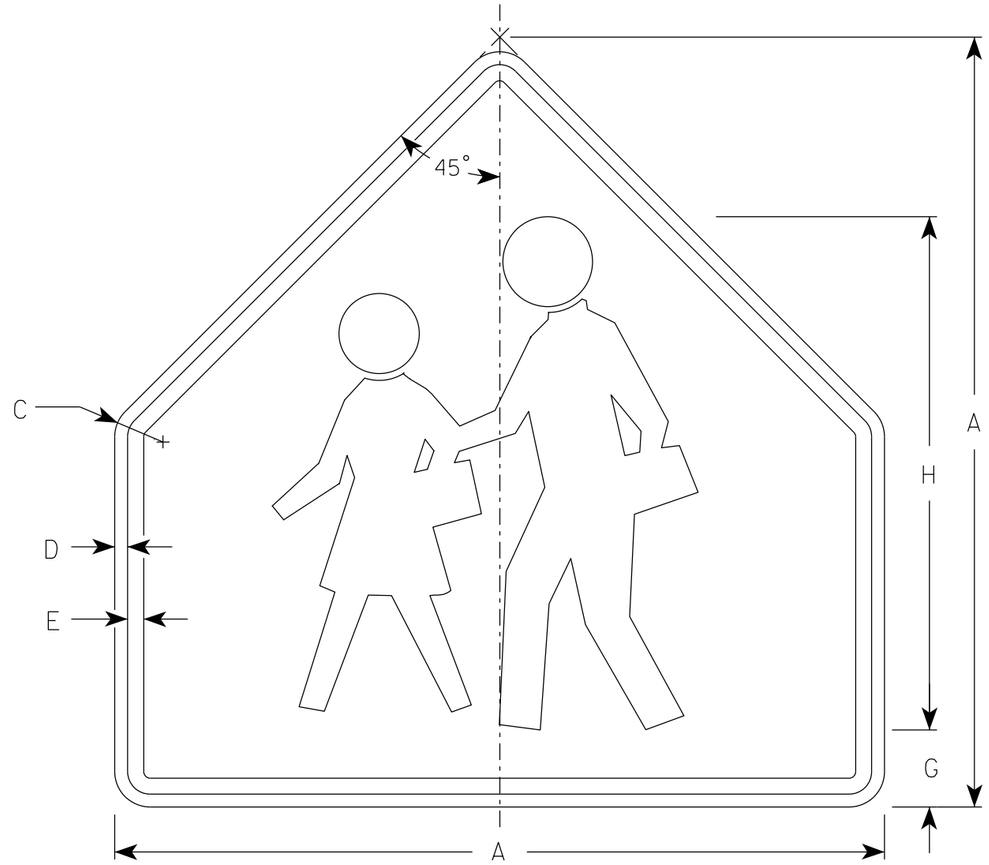
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/24 PLATE NO. R14-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R141.dgn PLOT DATE : 9-FEB 2024 9:27 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7



S1-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   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 3/8	1/2	5/8		3	20																			4.69
2S	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
2M	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		1 7/8	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

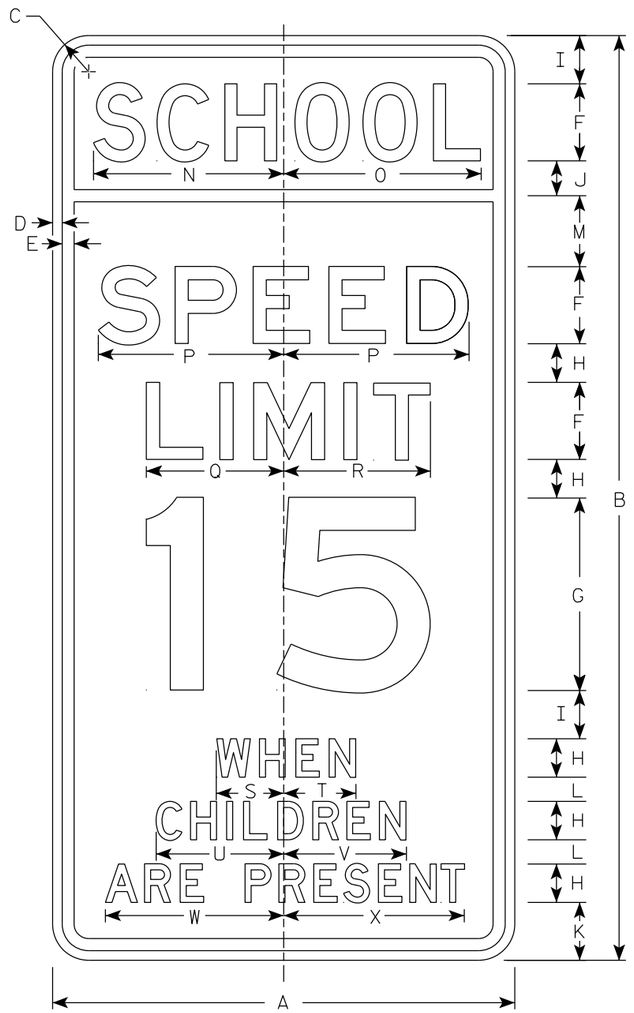
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/16/2023 PLATE NO. S1-1.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 E

7



S4-51

NOTES

1. Sign is Type II - See Note 2 for Sheeting Type
2. Color:
   Background - See Note 4
   Message - Black
3. Message Series - See Note 5
4. Top panel (SCHOOL) background - Yellow Green - Type F Reflective
   Lower panel background - White - Type SH Reflective
5. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
6. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

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	48	1 7/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
2M	24	48	1 7/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00
3	36	72	3	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00
4																											
5																											

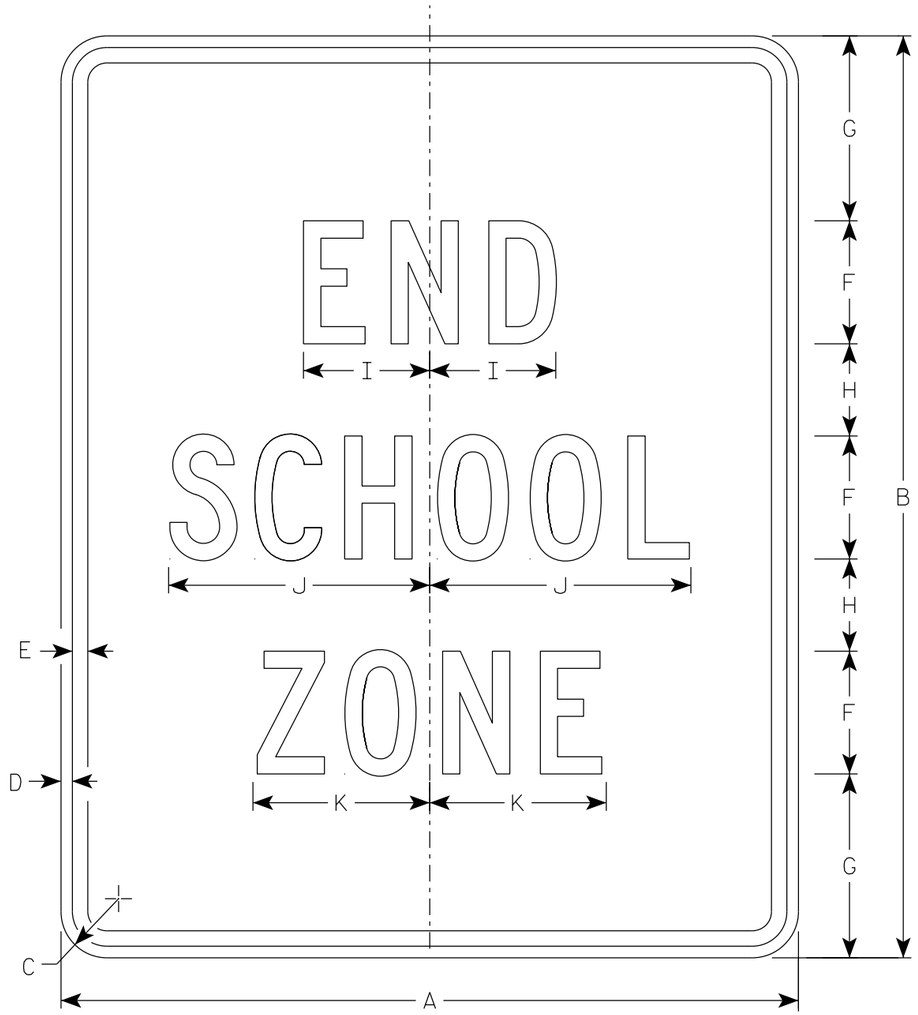
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/22/2023 PLATE NO. S4-51.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E



S5-2

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
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																											
2S	24	30	1 1/2	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
2M	24	30	1 1/2	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 7/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

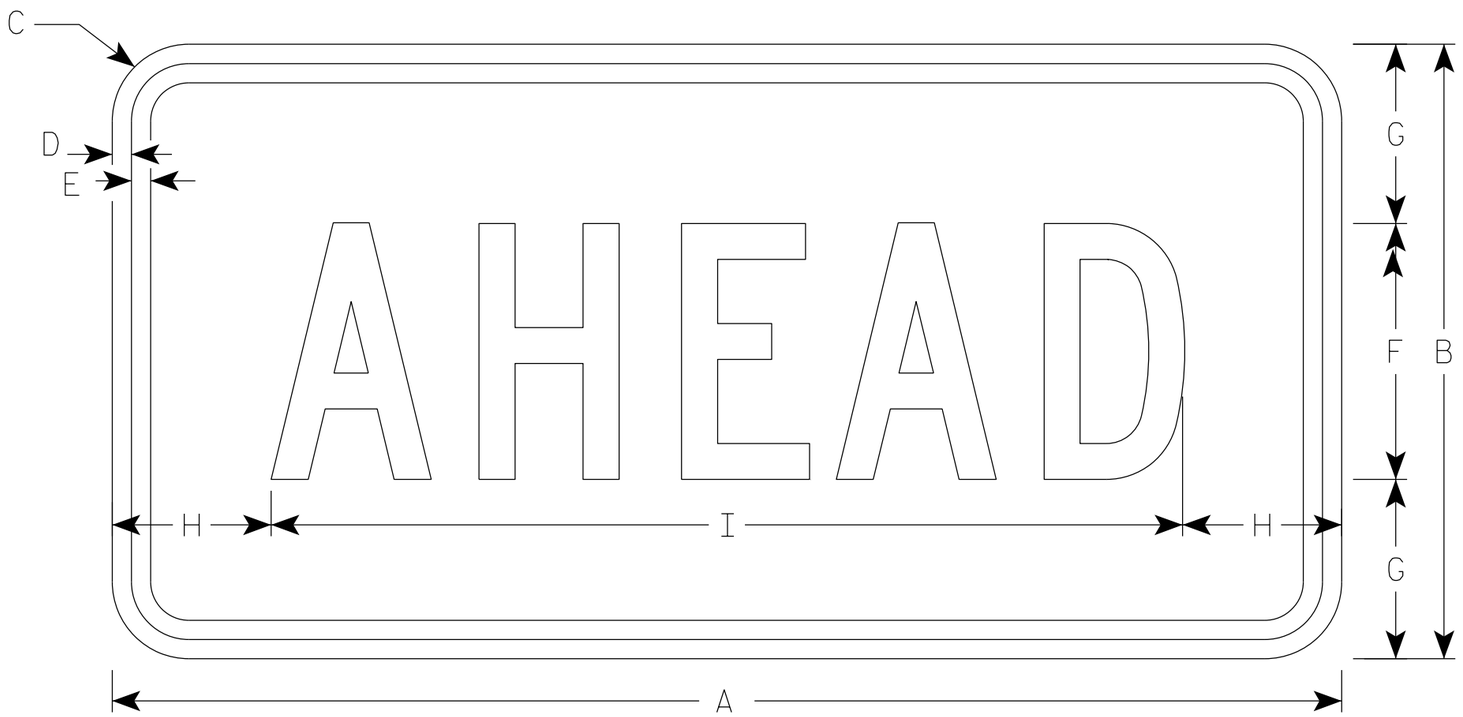
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/2023 PLATE NO. S5-2.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow-Green
   Message - Black
3. Message Series - C



S16-9P

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	12	1 1/2	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/2	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/2	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 7/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

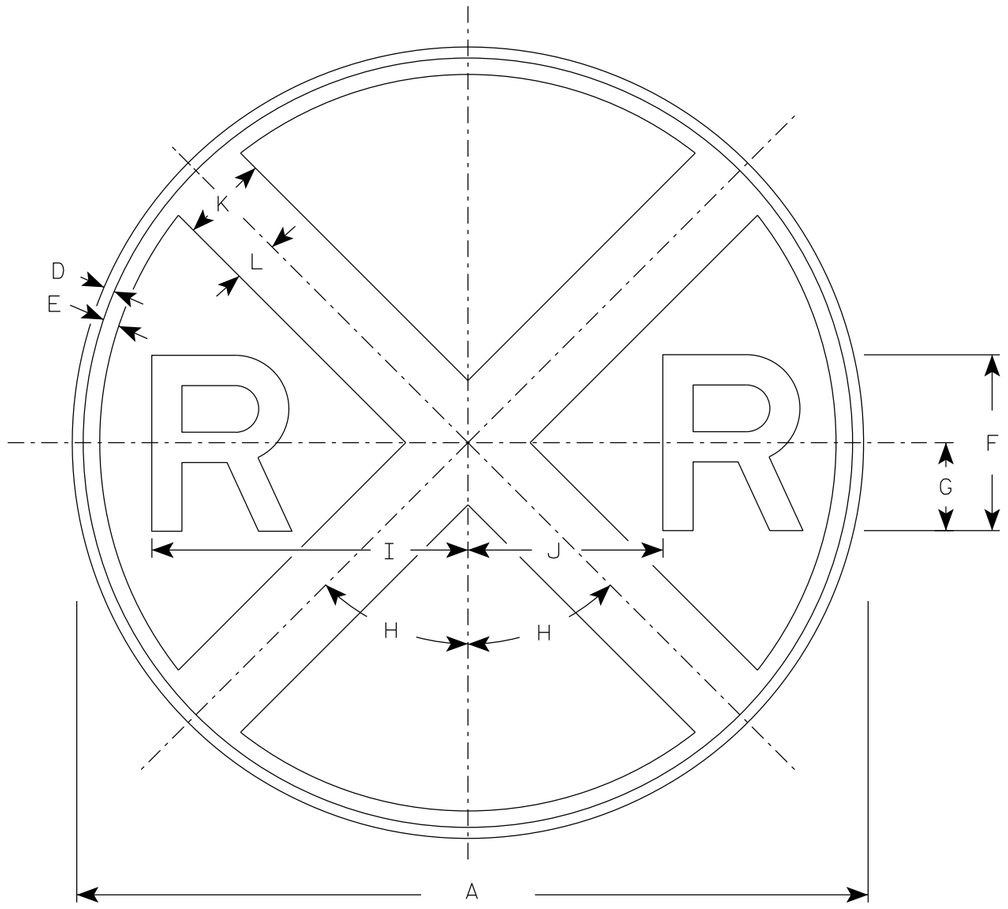
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-9P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



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

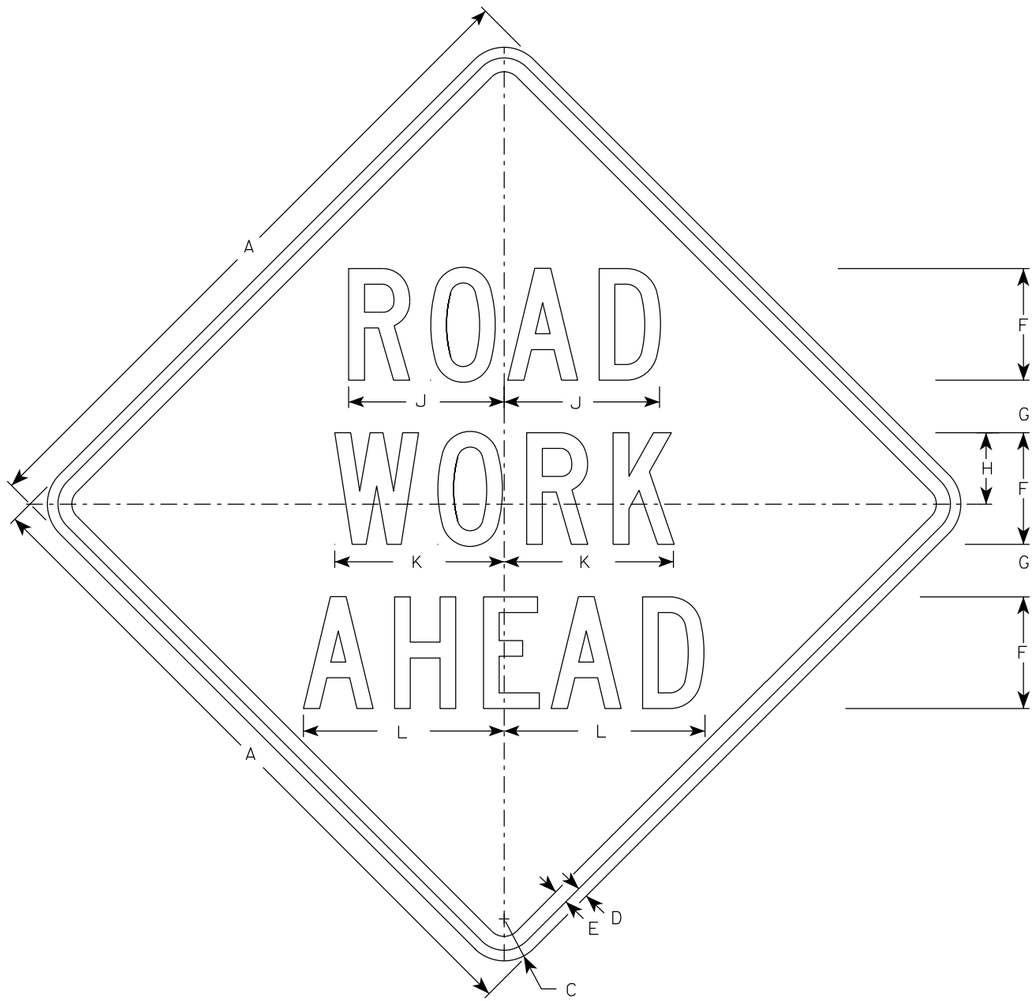
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/27/24 PLATE NO. W10-1.9

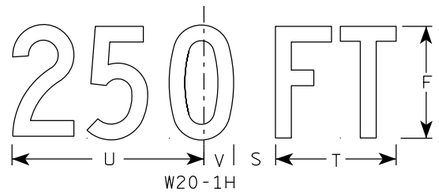
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 292 E

NOTES

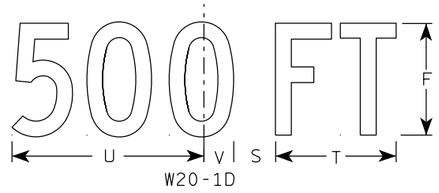
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



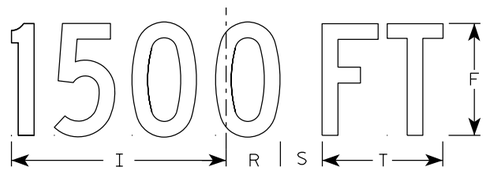
W20-1H



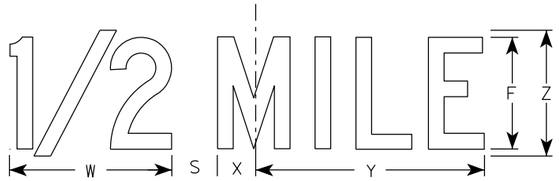
W20-1D



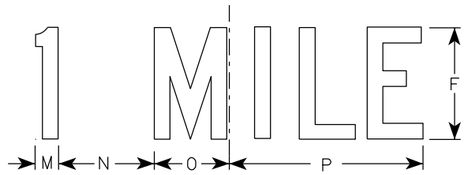
W20-1C



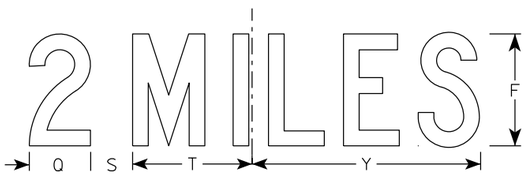
W20-1B



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

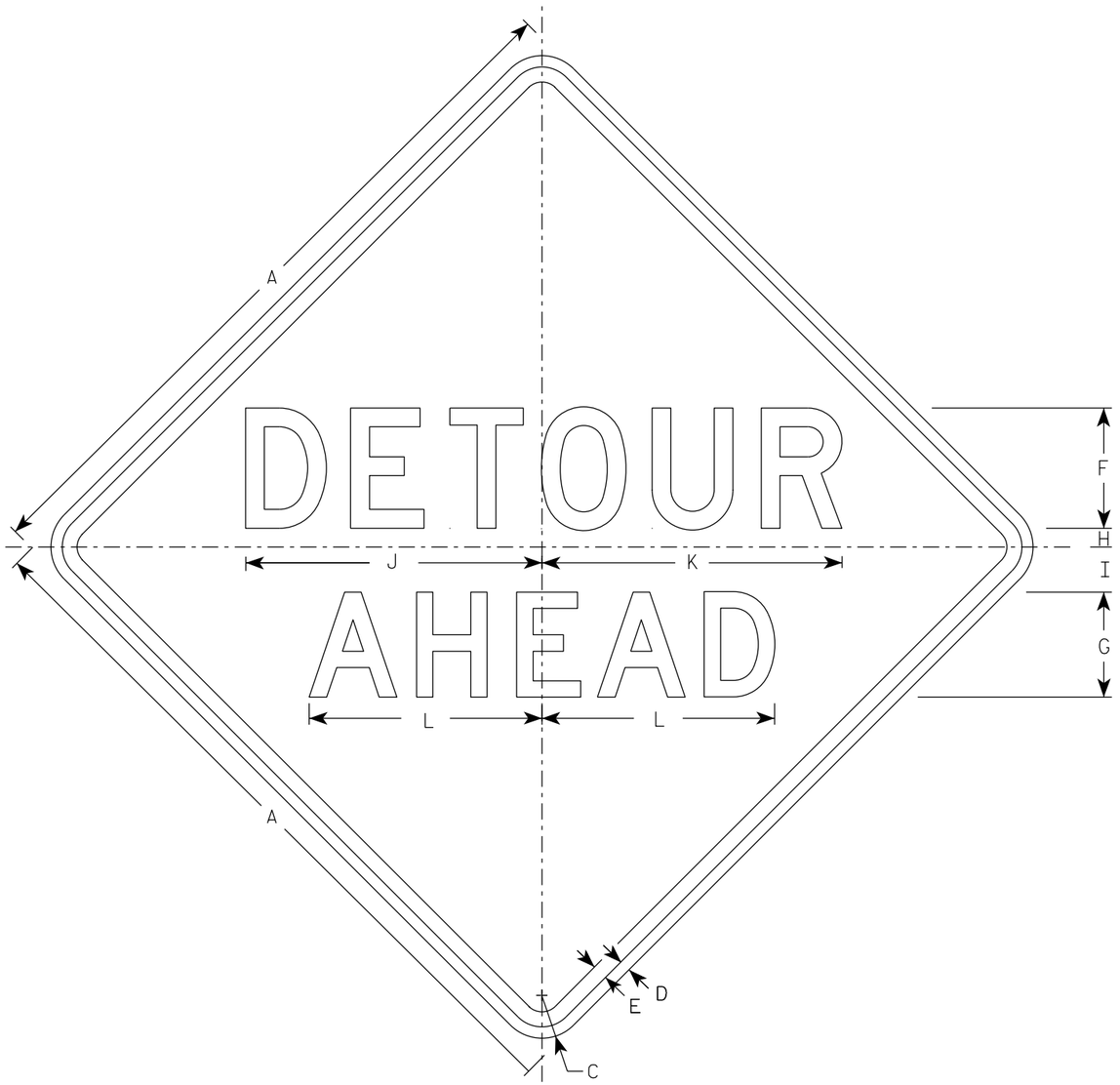
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

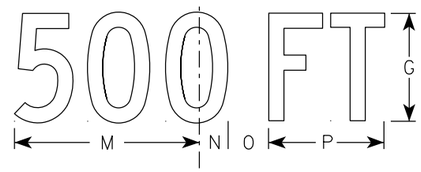
DATE 1/10/2024 PLATE NO. W20-1.12

PROJECT NO:

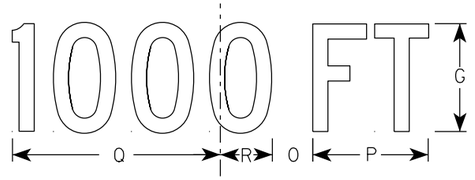
SHEET NO: 293 E



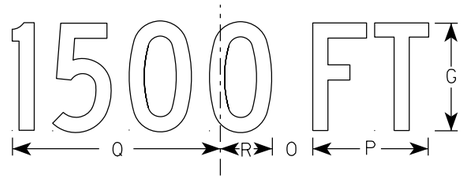
W20-2A



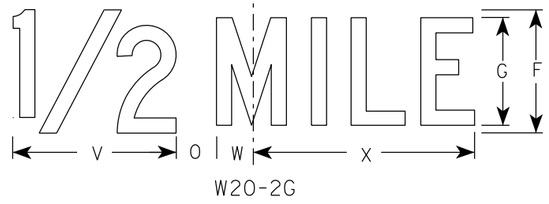
W20-2D



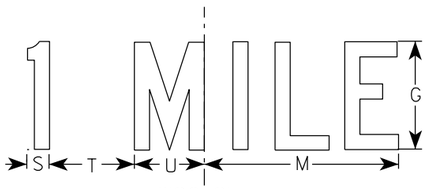
W20-2C



W20-2B



W20-2G



W20-2F

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. Line 1 is Series D.
   Line 2 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	6	5	1	2 1/4	14 3/4	15	11 5/8	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	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

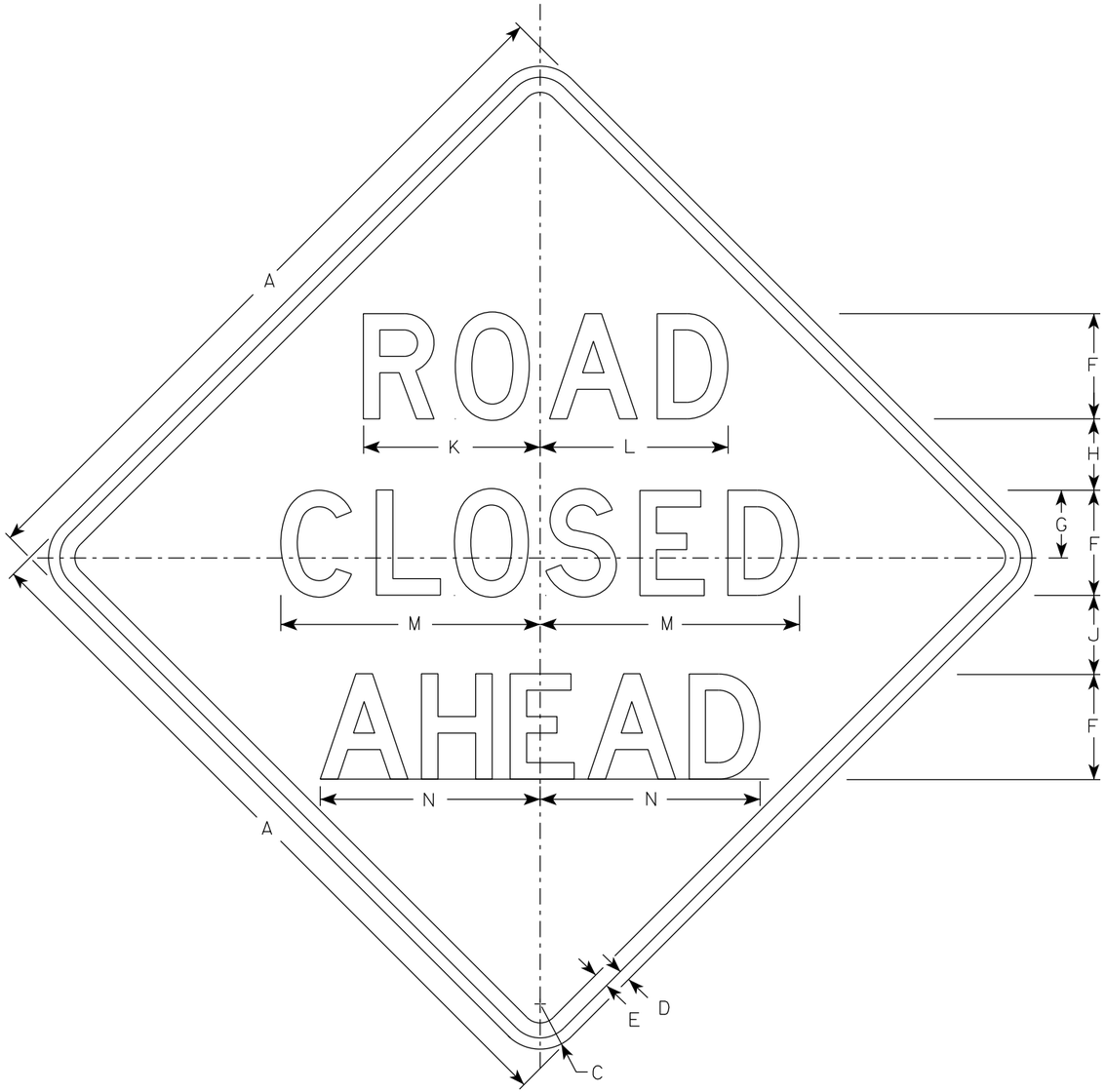
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

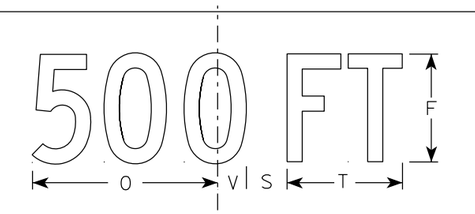
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

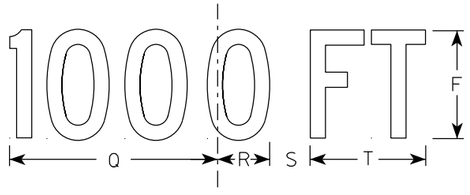
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



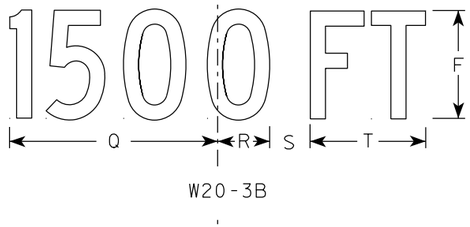
W20-3A



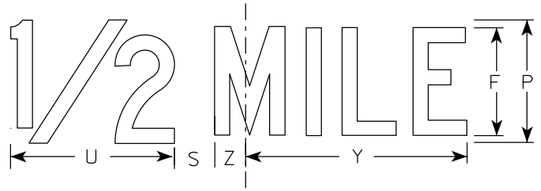
W20-3D



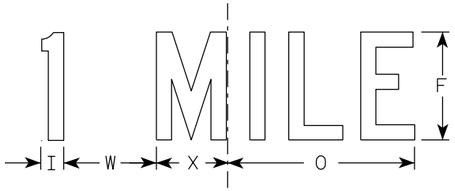
W20-3C



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

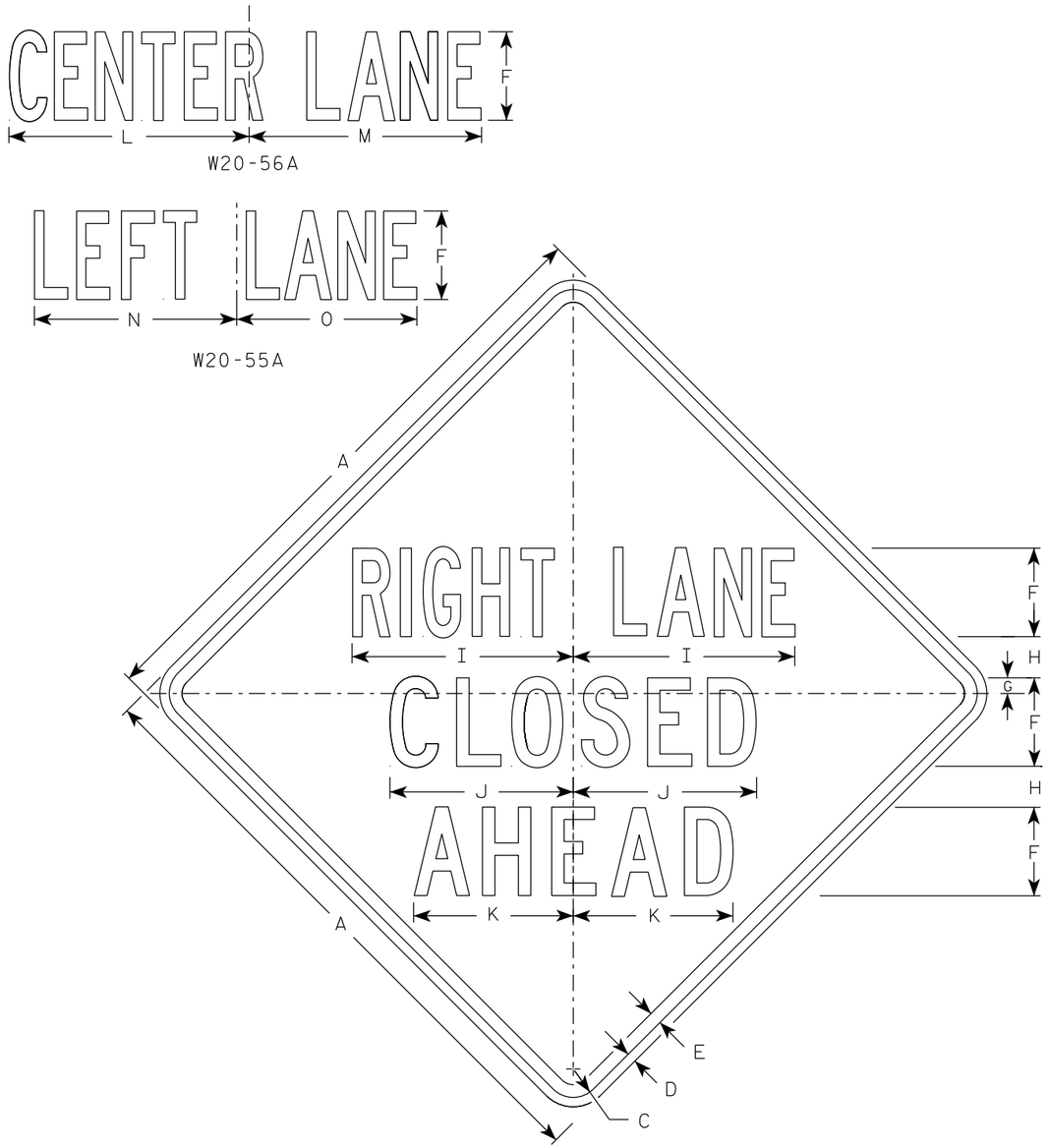
DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

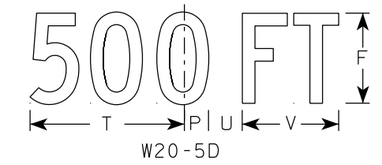
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

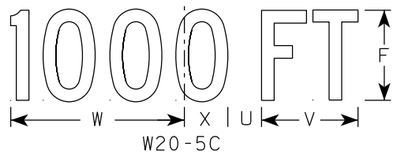
7



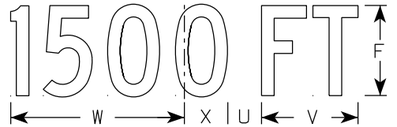
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

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. " _____ LANE" is Series B.
   All other copy is 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	36	6	2 1/4	5/8	3/4	5	7/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 7/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	3	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

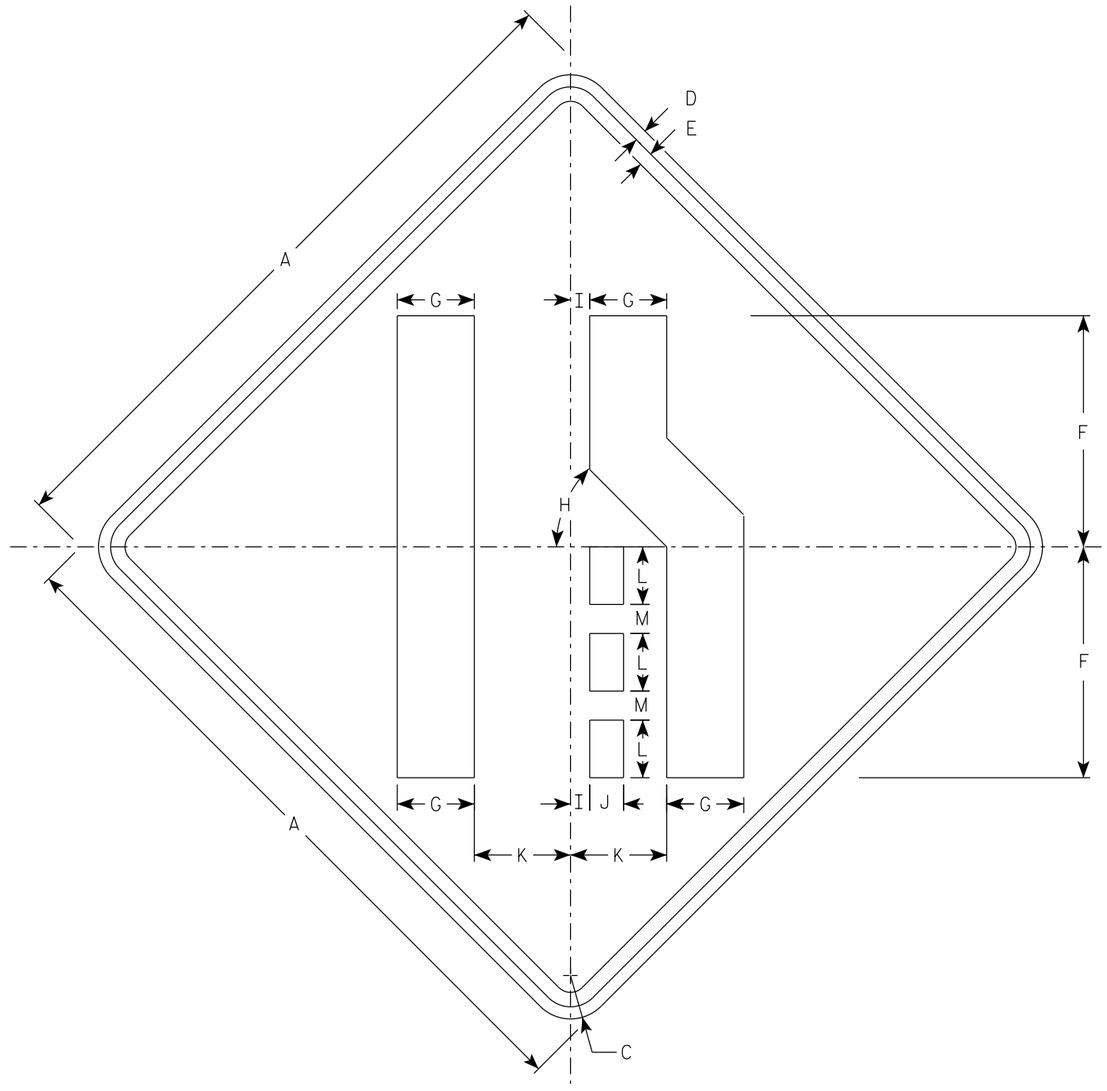
STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/27/24 PLATE NO. W20-5.12

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 296 | E



W04-2R

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. W04-2L is the same as W04-2R except the symbol 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	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		3	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/25/2024 PLATE NO. W04-2.2

PROJECT NO:

SHEET NO: 297 E

DIVISION 1 - RACINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
76+84.886	0.00	61.81	0.00	0	0	0	0	0
77+00	15.11	190.68	0.00	71	0	71	0	71
77+50	50.00	88.10	0.01	258	0	329	0	329
77+73.895	23.90	82.23	0.00	75	0	404	0	404
78+00	26.10	81.48	0.00	79	0	483	0	483
78+50	50.00	86.20	0.00	155	0	638	0	638
79+00	50.00	80.47	0.01	154	0	792	0	792
79+50	50.00	75.14	0.30	144	0	936	0	936
80+00	50.00	62.23	1.33	127	2	1,063	3	1,060
80+50	50.00	66.96	0.94	120	2	1,183	5	1,178
81+00	50.00	64.03	0.76	121	2	1,304	8	1,296
81+50	50.00	59.90	2.03	115	3	1,419	12	1,407
82+00	50.00	56.15	0.19	107	2	1,526	14	1,512
82+50	50.00	21.66	34.31	72	32	1,598	56	1,542
83+00	50.00	22.41	11.68	41	43	1,639	112	1,527
83+50	50.00	40.22	4.41	58	15	1,697	131	1,566
84+00	50.00	65.21	0.13	98	4	1,795	137	1,659
84+50	50.00	78.57	0.00	133	0	1,928	137	1,792
85+00	50.00	76.99	0.31	144	0	2,072	137	1,936
85+50	50.00	67.37	0.10	134	0	2,206	137	2,070
86+00	50.00	72.75	1.28	130	1	2,336	138	2,198
86+50	50.00	69.34	1.06	132	2	2,468	140	2,328
87+00	50.00	71.93	0.39	131	1	2,599	142	2,457
87+50	50.00	79.72	0.07	140	0	2,739	142	2,597
88+00	50.00	79.21	0.00	147	0	2,886	142	2,744
88+50	50.00	76.44	0.45	144	0	3,030	142	2,888
89+00	50.00	68.67	0.73	134	1	3,164	143	3,021
89+50	50.00	52.53	0.00	112	1	3,276	144	3,132
90+00	50.00	66.87	3.42	111	3	3,387	148	3,239
90+50	50.00	64.66	1.76	122	5	3,509	155	3,354
91+00	50.00	70.54	1.06	125	3	3,634	159	3,475
91+50	50.00	62.77	1.73	123	3	3,757	163	3,595
92+00	50.00	63.33	2.30	117	4	3,874	168	3,706
92+50	50.00	72.84	0.81	126	3	4,000	172	3,828
93+00	50.00	64.54	1.13	127	2	4,127	174	3,953
93+50	50.00	58.78	3.22	114	4	4,241	179	4,062
94+00	50.00	56.03	3.91	106	7	4,347	189	4,159
94+50	50.00	67.99	1.09	115	5	4,462	195	4,267
95+00	50.00	72.34	0.65	130	2	4,592	198	4,394
95+50	50.00	76.52	0.81	138	1	4,730	199	4,531
96+00	50.00	80.67	0.65	146	1	4,876	200	4,676
96+50	50.00	81.89	0.00	151	1	5,027	202	4,826
97+00	50.00	89.87	0.00	159	0	5,186	202	4,985
97+50	50.00	87.38	0.01	164	0	5,350	202	5,149
98+00	50.00	58.60	0.00	135	0	5,485	202	5,284
98+50	50.00	61.29	0.00	111	0	5,596	202	5,395
99+00	50.00	92.71	0.00	143	0	5,739	202	5,538
99+50	50.00	89.48	0.00	169	0	5,908	202	5,707
100+00	50.00	90.96	0.00	167	0	6,075	202	5,874
100+50	50.00	81.59	0.03	160	0	6,235	202	6,034
101+00	50.00	84.10	0.00	153	0	6,388	202	6,187

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
3 - MASS ORDINATE	CUT - (FILL * FILL FACTOR)

DIVISION 1 - RACINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
101+50	50.00	81.80	0.00	154	0	6,542	202	6,341
102+00	50.00	85.12	0.00	155	0	6,697	202	6,496
102+50	50.00	83.62	0.06	156	0	6,853	202	6,652
103+00	50.00	87.01	0.00	158	0	7,011	202	6,810
103+50	50.00	89.51	0.00	163	0	7,174	202	6,973
104+00	50.00	81.54	0.29	158	0	7,332	202	7,131
104+50	50.00	77.02	0.67	147	1	7,479	203	7,276
105+00	50.00	75.84	1.21	142	2	7,621	205	7,416
105+50	50.00	70.06	1.41	135	2	7,756	208	7,548
106+00	50.00	84.46	0.00	143	1	7,899	209	7,690
106+50	50.00	73.45	0.00	146	0	8,045	209	7,836
107+00	50.00	56.25	0.00	120	0	8,165	209	7,956
107+50	50.00	73.55	1.13	120	1	8,285	211	8,074
108+00	50.00	79.01	0.00	141	1	8,426	212	8,214
108+50	50.00	74.44	0.68	142	1	8,568	213	8,355
109+00	50.00	80.68	0.47	144	1	8,712	215	8,498
109+50	50.00	78.18	0.50	147	1	8,859	216	8,643
110+00	50.00	79.17	0.02	146	0	9,005	216	8,789
110+50	50.00	75.50	0.56	143	1	9,148	217	8,931
111+00	50.00	73.83	0.94	138	1	9,286	218	9,068
111+50	50.00	76.39	0.22	139	1	9,425	220	9,205
112+00	50.00	76.36	0.14	141	0	9,566	220	9,346
112+50	50.00	72.67	0.61	138	1	9,704	221	9,483
113+00	50.00	72.70	0.51	135	1	9,839	222	9,617
113+50	50.00	70.95	0.27	133	1	9,972	224	9,748
			TOTAL	9,972	172			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
3 - MASS ORDINATE	CUT - (FILL * FILL FACTOR)

9

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DIVISION 1 - FOURTH STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
400+18.605	0.00	67.06	0.00	0	0	0	0	0
400+25	6.39	43.23	0.00	13	0	13	0	13
400+50	25.00	55.60	1.29	46	1	59	1	58
400+55	5.00	54.18	1.37	10	0	69	1	68
			TOTAL	69	1			

DIVISION 1 - FIFTH STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
500+20.001	0.00	76.51	0.00	0	0	0	0	0
500+25	5.00	41.92	0.00	11	0	11	0	11
500+50	25.00	46.04	0.00	41	0	52	0	52
500+55	5.00	45.34	0.01	8	0	60	0	60
			TOTAL	60	0			

DIVISION 1 - SIXTH STREET (WEST)

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
599+45	0.00	71.04	0.01	0	0	0	0	0
599+50	5.00	73.41	0.00	13	0	13	0	13
599+75	25.00	67.25	0.00	65	0	78	0	78
599+79.898	4.90	100.27	0.00	15	0	93	0	93
			TOTAL	93	0			

DIVISION 1 - SIXTH STREET (EAST)

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
600+19.901	0.00	75.22	0.00	0	0	0	0	0
600+25	5.10	48.87	0.00	12	0	12	0	12
600+50	25.00	53.65	0.20	47	0	59	0	59
600+55	5.00	52.27	0.21	10	0	69	0	69
			TOTAL	69	0			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
3 - MASS ORDINATE	CUT - (FILL * FILL FACTOR)

9

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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	EARTHWORK DATA	SHEET 300	E

DIVISION 1 - SEVENTH STREET (WEST)

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
699+07.50	0.00	58.88	0.12	0	0	0	0	0
699+25	17.50	73.99	8.34	43	3	43	4	39
699+50	25.00	107.96	0.42	84	4	127	9	118
699+75	25.00	117.09	0.00	104	0	231	9	222
699+78	3.00	154.07	0.00	15	0	246	9	237
			TOTAL	246	7			

DIVISION 1 - SEVENTH STREET (EAST)

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
700+22	0.00	99.92	0.00	0	0	0	0	0
700+25	3.00	71.54	0.00	10	0	10	0	10
700+50	25.00	70.10	0.32	66	0	76	0	76
700+75	25.00	65.31	0.57	63	0	139	0	139
700+95	20.00	58.18	0.32	46	0	185	0	185
			TOTAL	185	0			

DIVISION 1 - EIGHTH STREET (WEST)

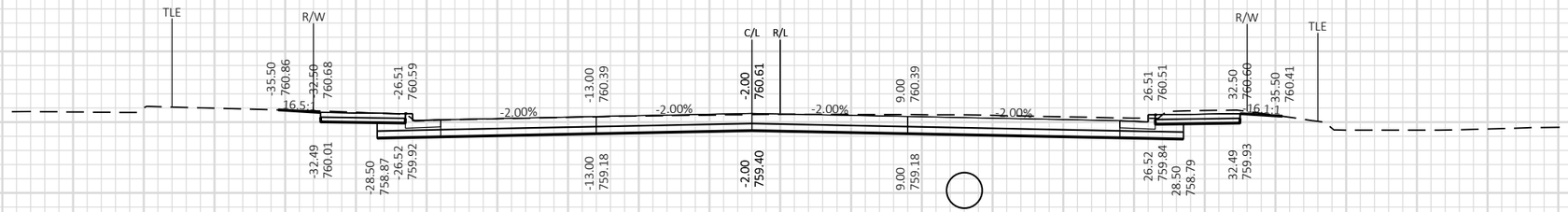
STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
799+35	0.00	86.30	0.84	0	0	0	0	0
799+50	15.00	75.84	7.11	45	2	45	3	42
799+75	25.00	70.68	0.00	68	3	113	7	107
799+80	5.00	109.54	0.00	17	0	130	7	124
			TOTAL	130	5			

DIVISION 1 - EIGHTH STREET (EAST)

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
		CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
						1.00	1.30	
				NOTE 1	NOTE 2	NOTE 1		NOTE 3
800+20	0.00	109.28	0.00	0	0	0	0	0
800+25	5.00	70.57	0.00	17	0	17	0	17
800+50	25.00	73.81	0.51	67	0	84	0	84
800+55	5.00	72.52	0.58	14	0	98	0	98
			TOTAL	98	0			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
3 - MASS ORDINATE	CUT - (FILL * FILL FACTOR)

78+00.00



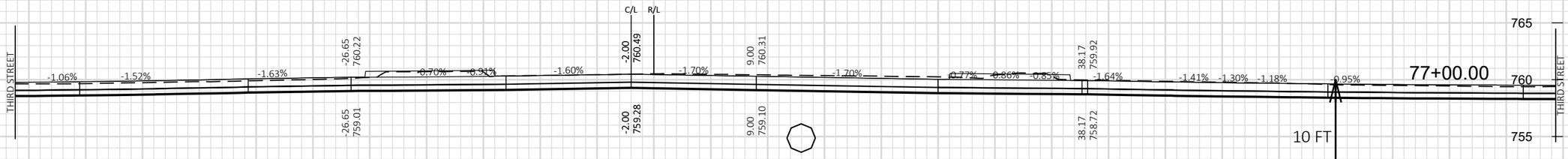
78+00.00

77+50.00



77+50.00

77+00.00



77+00.00

BEGIN PROJECT
RACINE STREET
STA 76+84.89

9

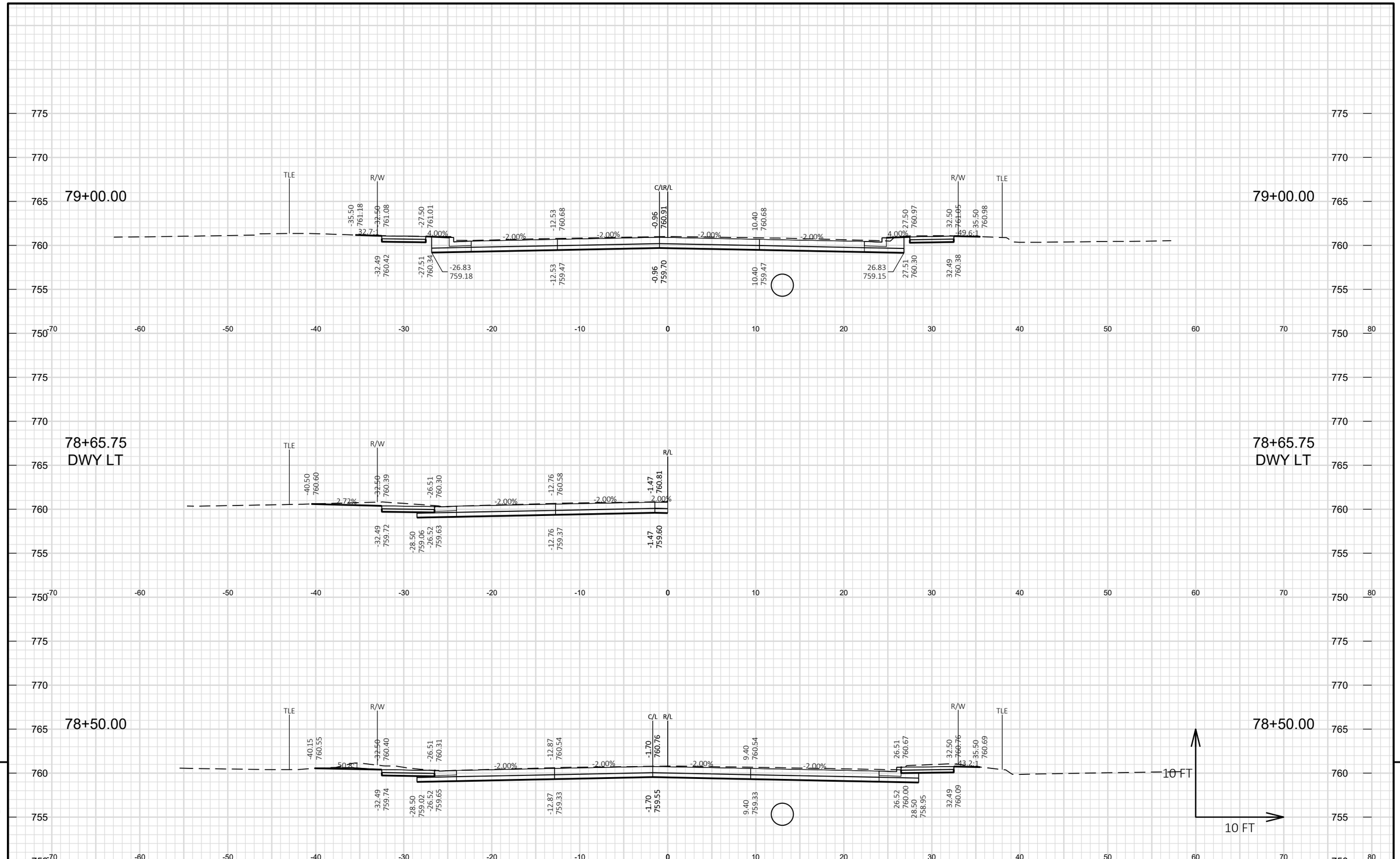
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 302	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 100-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

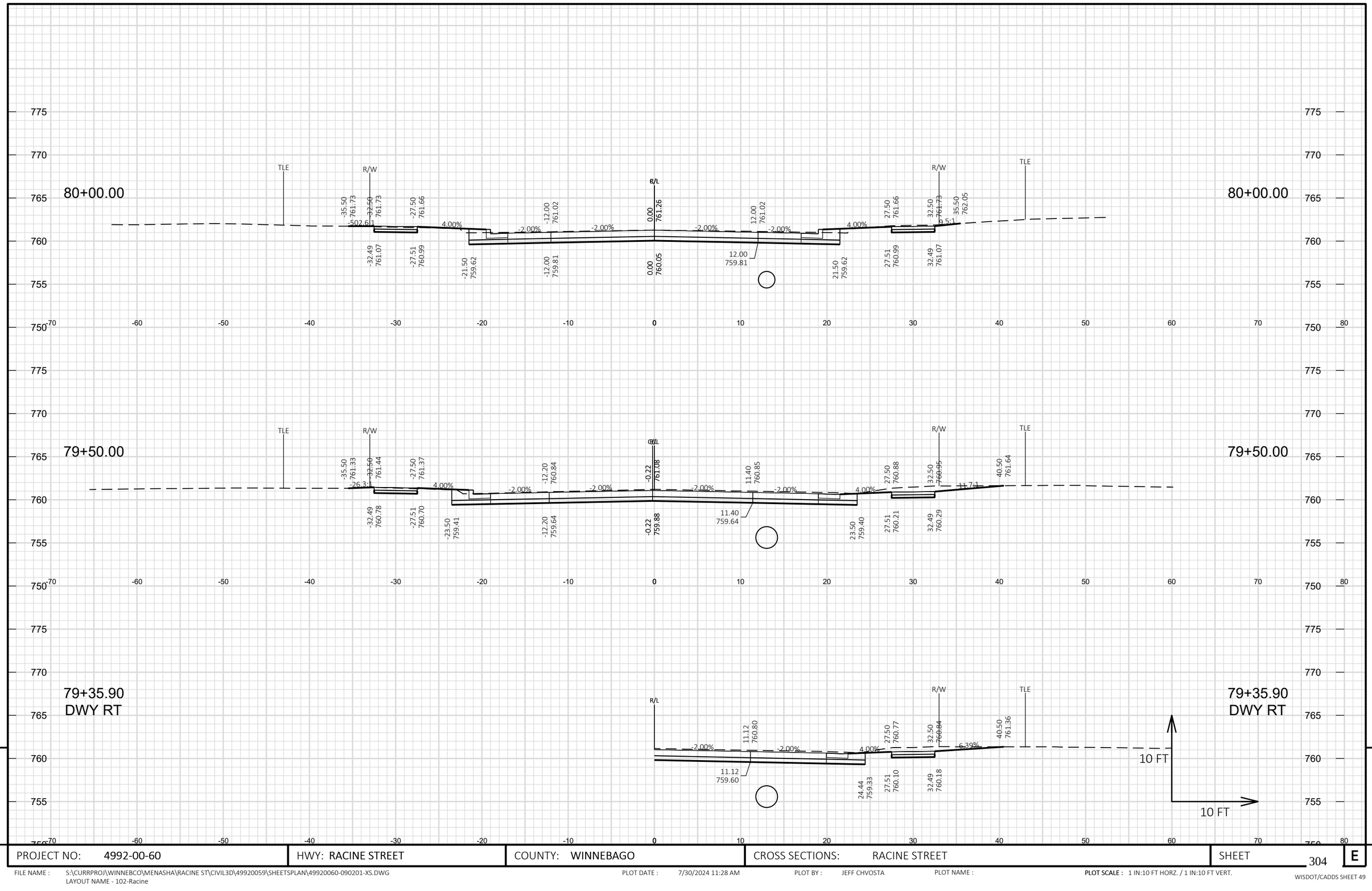
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FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 101-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

9



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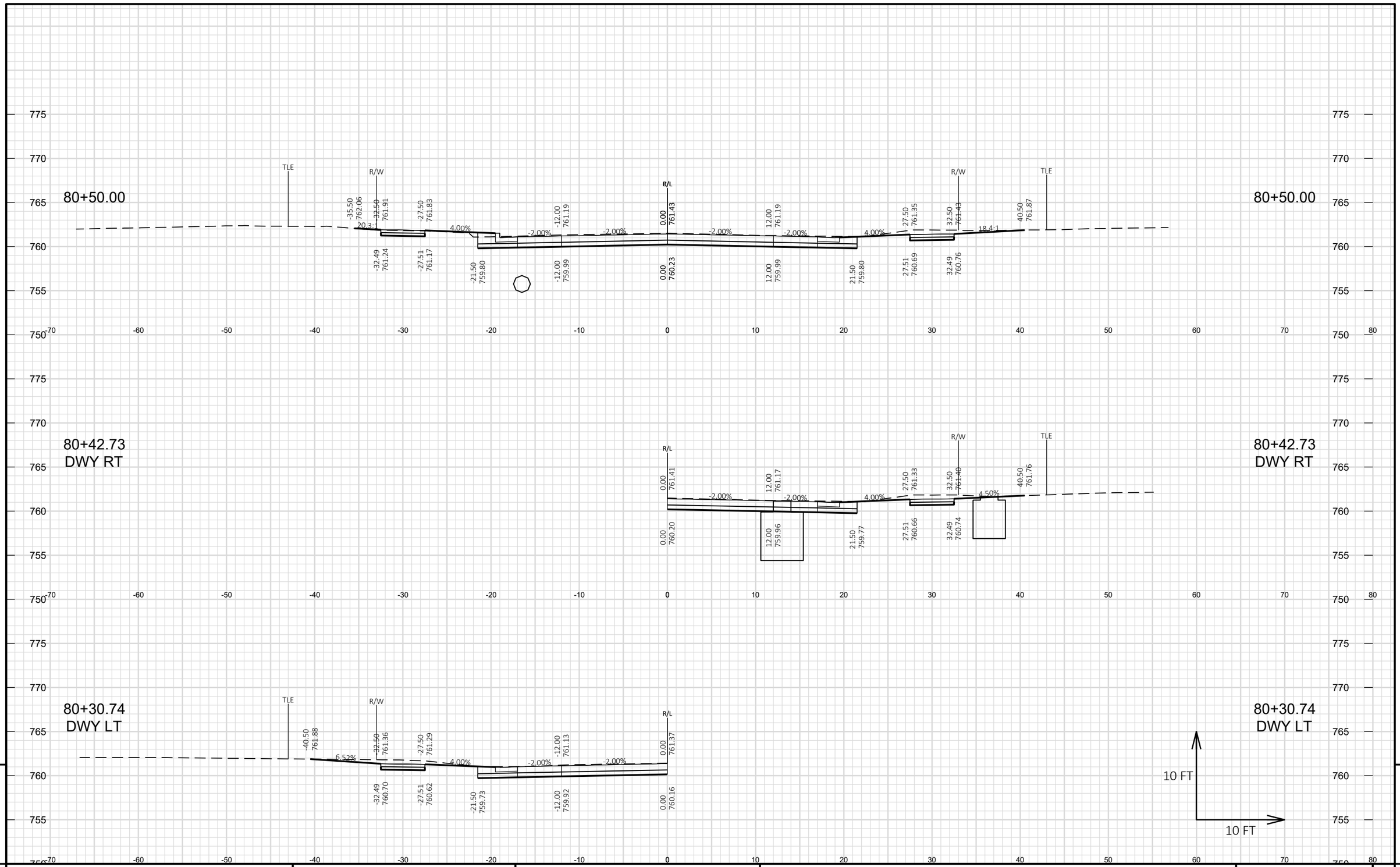
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 304	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 102-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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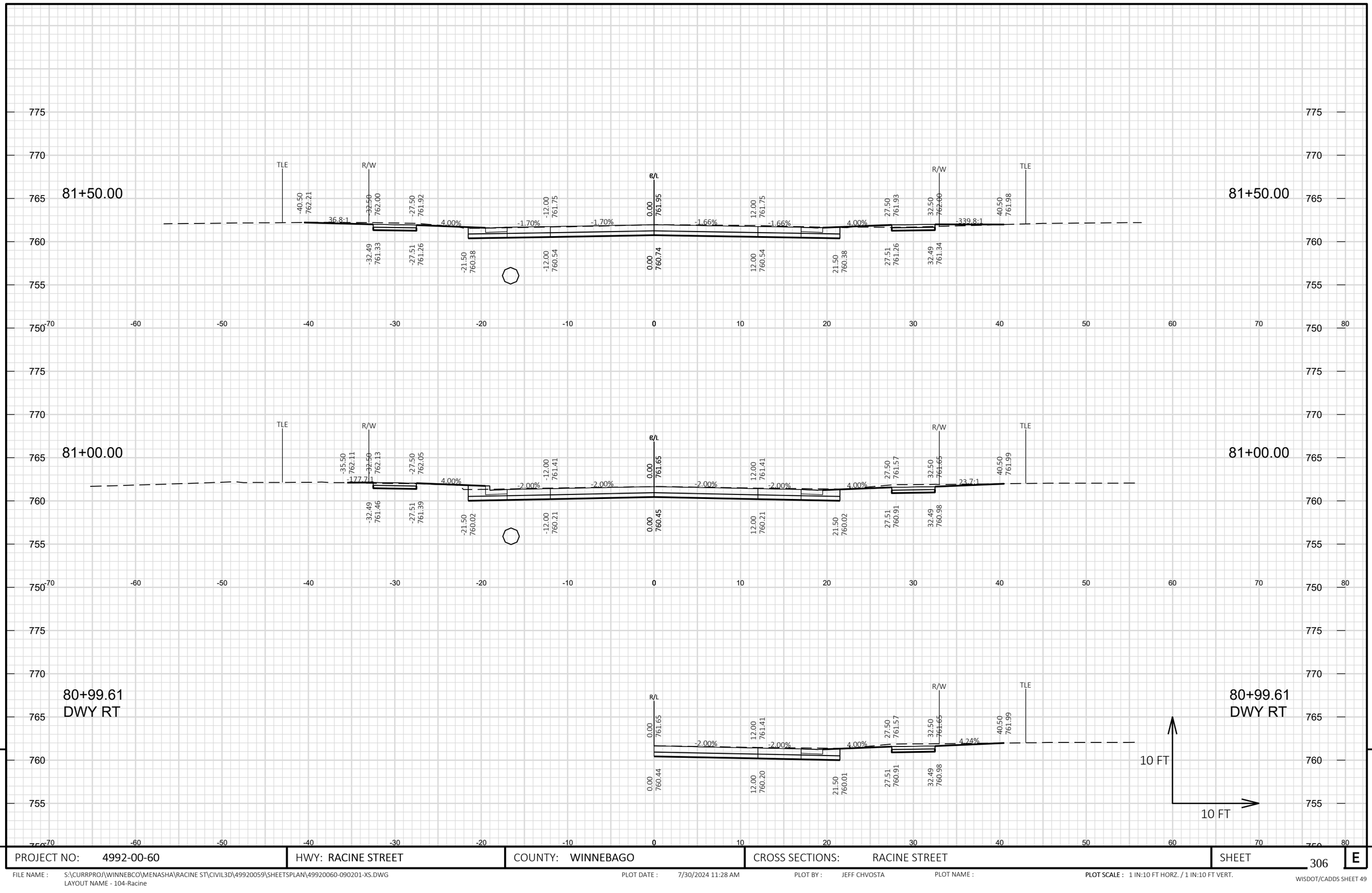
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 305	E

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LAYOUT NAME - 103-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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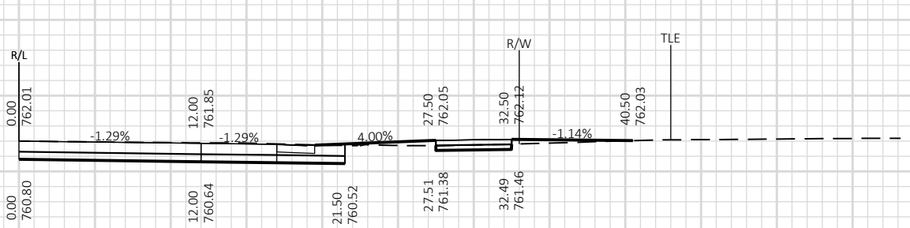
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 306	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 104-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

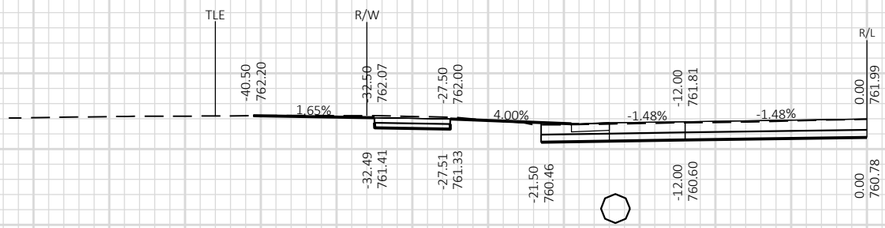
WISDOT/CADDS SHEET 49

81+58.81
DWY RT

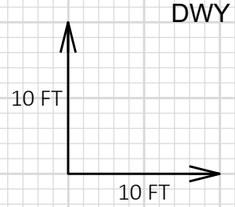


81+58.81
DWY RT

81+55.81
DWY LT



81+55.81
DWY LT

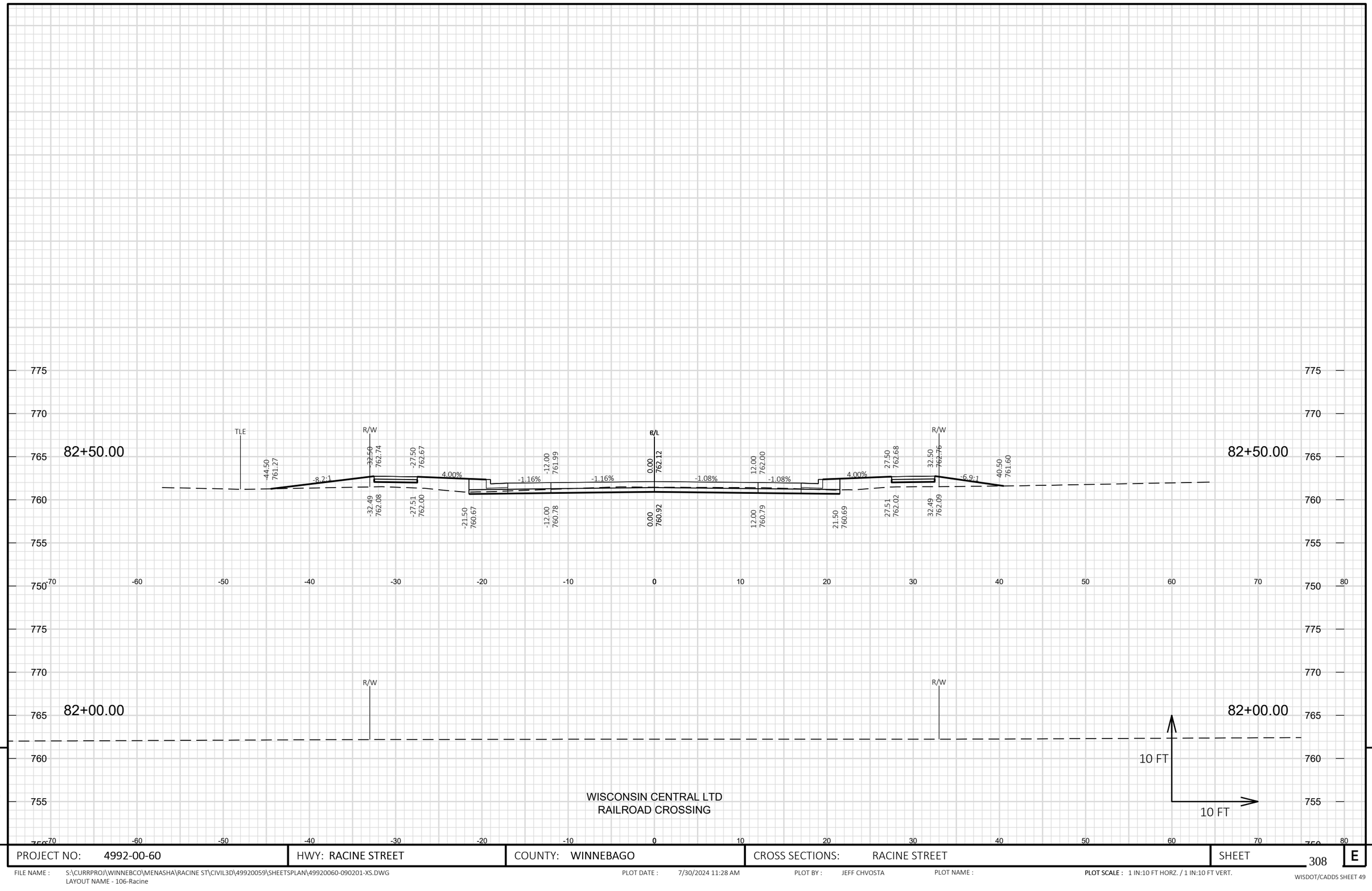


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 307	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 105-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

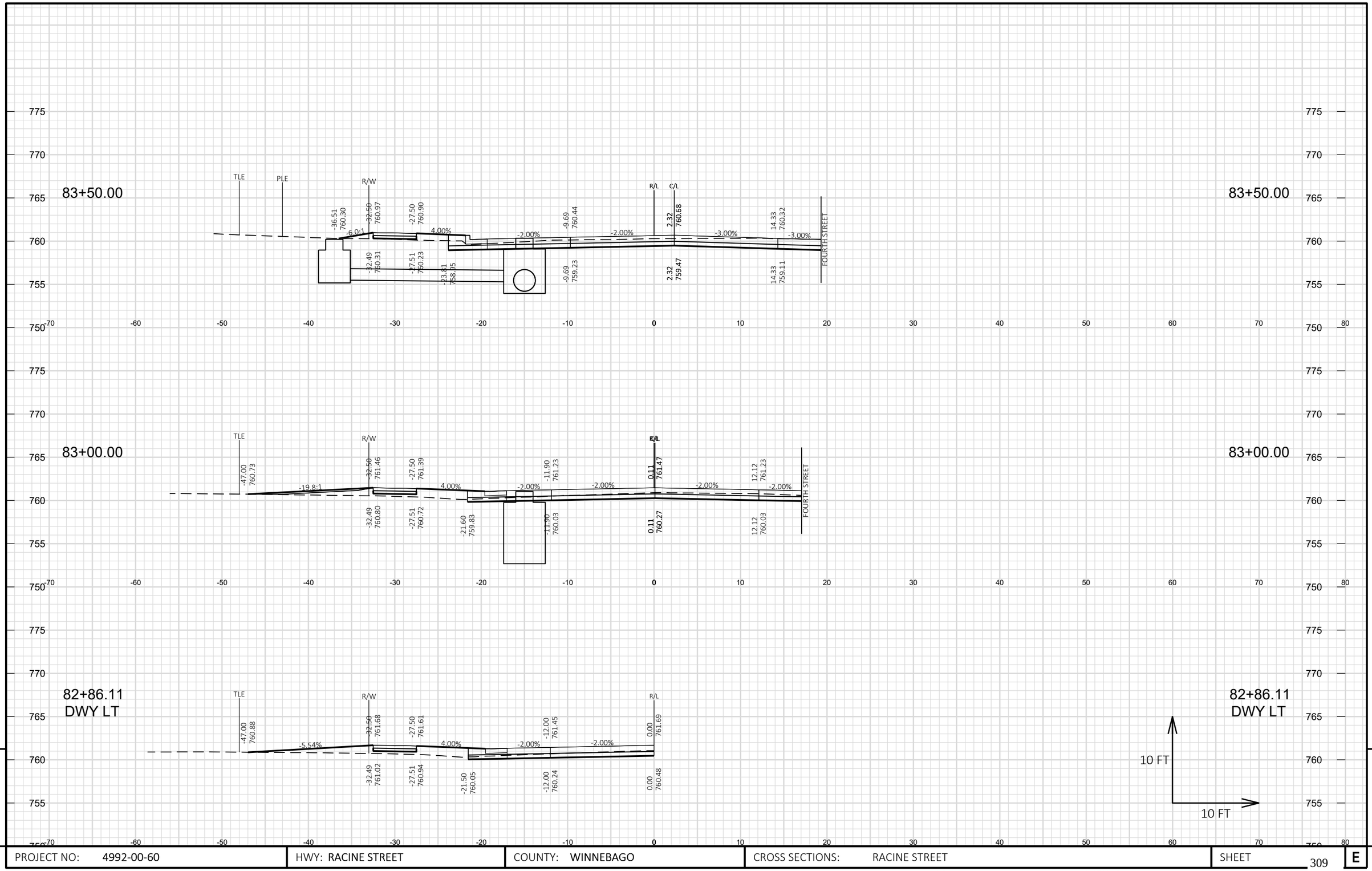


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 308 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 106-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

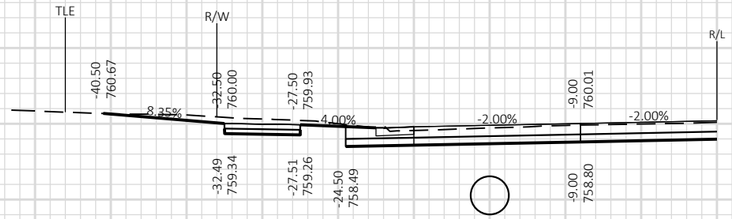
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 309	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 107-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

84+08.56
DWY LT



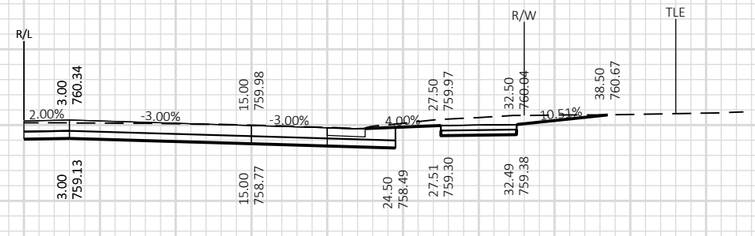
84+08.56
DWY LT

84+00.00

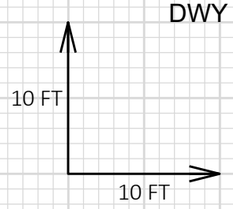


84+00.00

83+87.55
DWY RT



83+87.55
DWY RT



9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 310 E

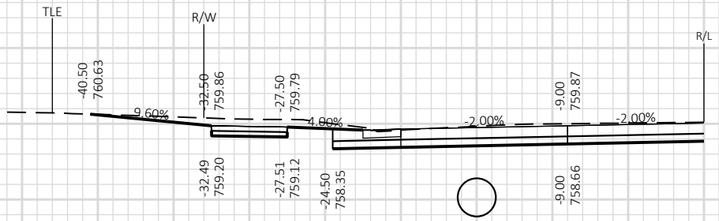
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 108-Racine

PLOT DATE : 7/30/2024 11:28 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

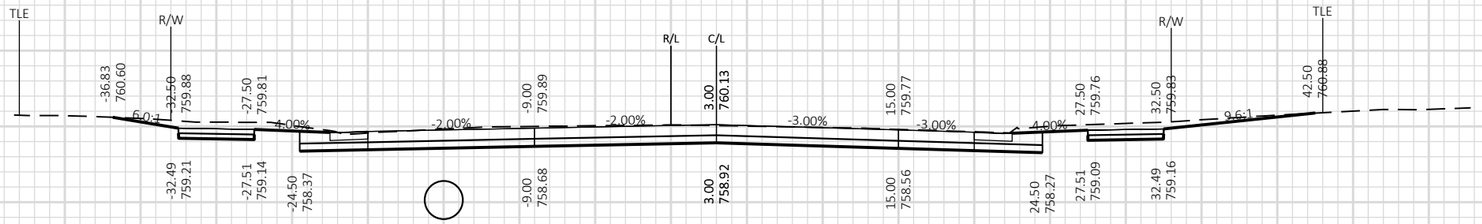
WISDOT/CADDS SHEET 49

84+56.03
DWY LT



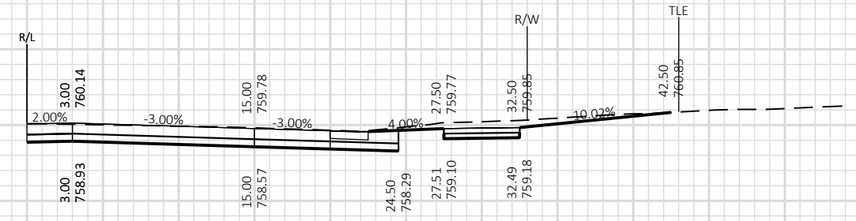
84+56.03
DWY LT

84+50.00

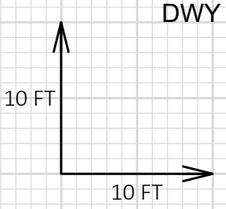


84+50.00

84+45.09
DWY RT



84+45.09
DWY RT



9

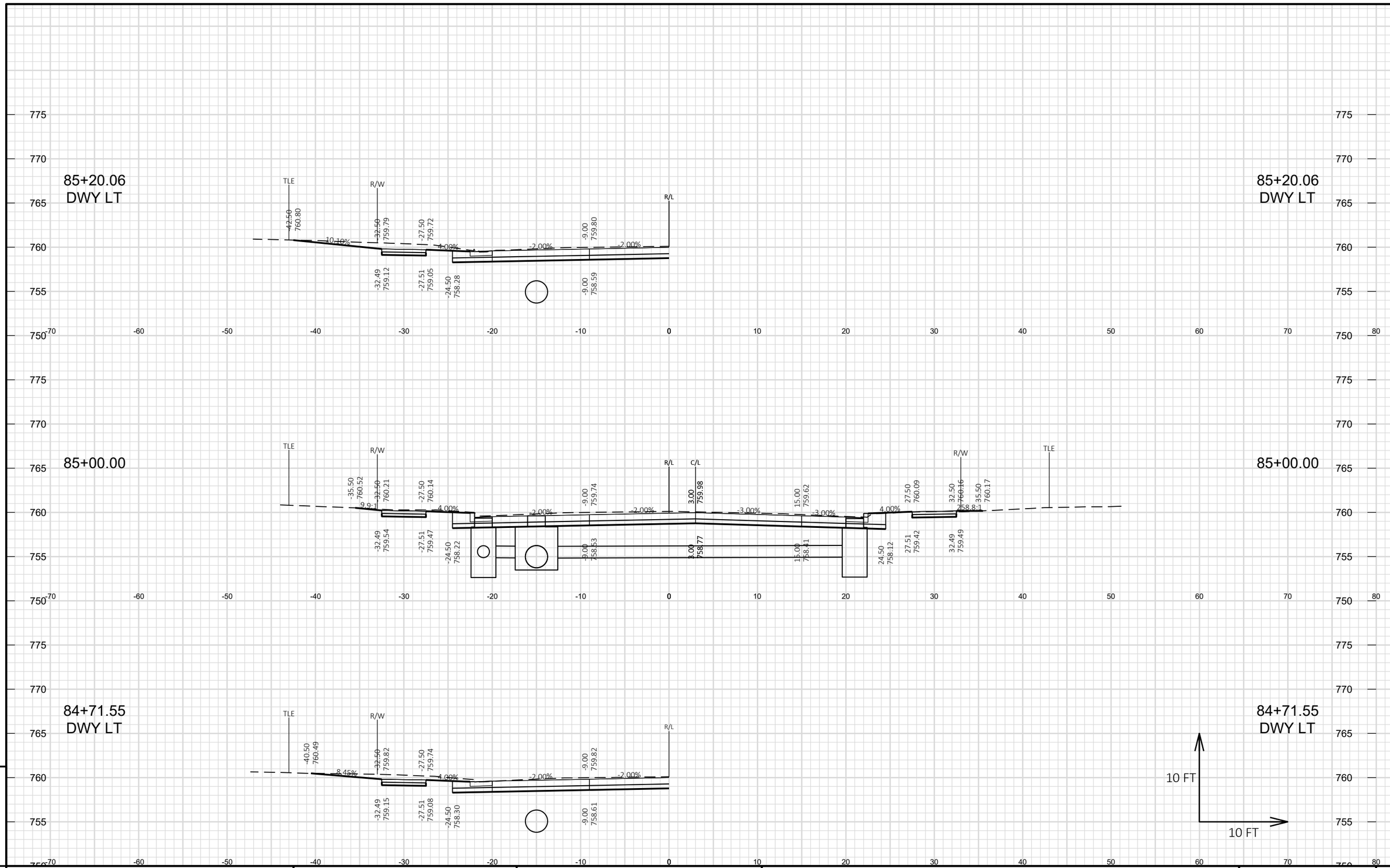
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 311	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 109-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



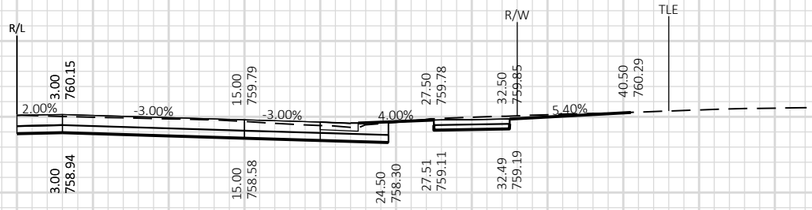
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 312	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 110-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

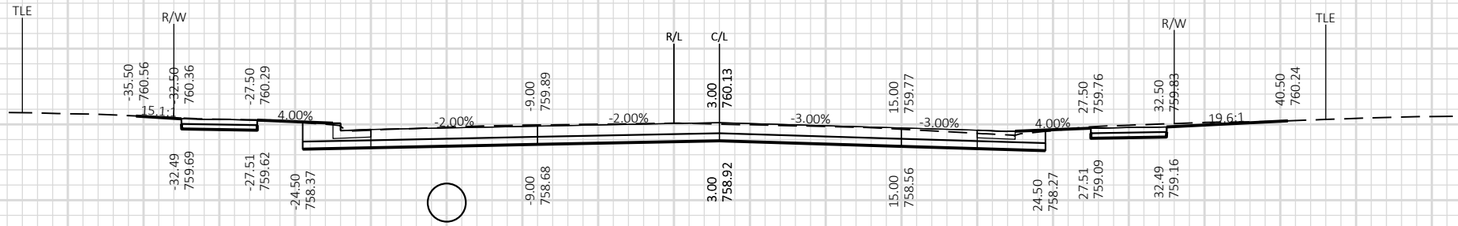
WISDOT/CADDS SHEET 49

85+57.96
DWY RT



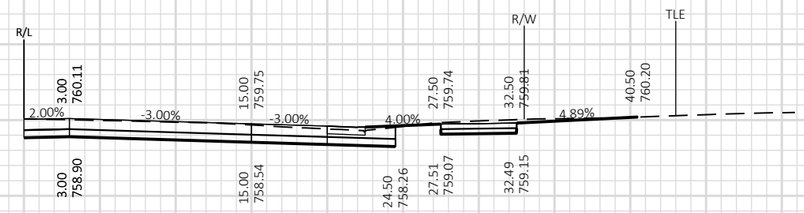
85+57.96
DWY RT

85+50.00

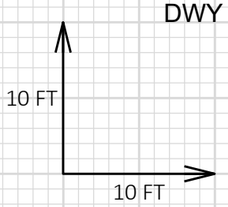


85+50.00

85+44.39
DWY RT



85+44.39
DWY RT



9

9

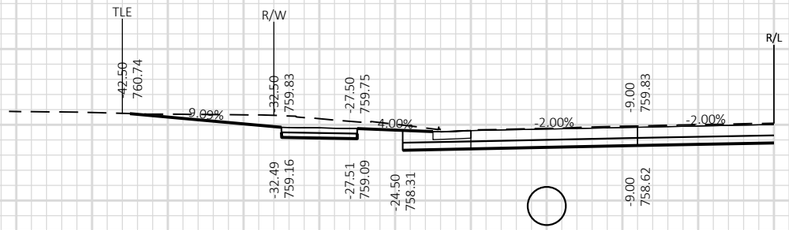
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 313	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 111-Racine

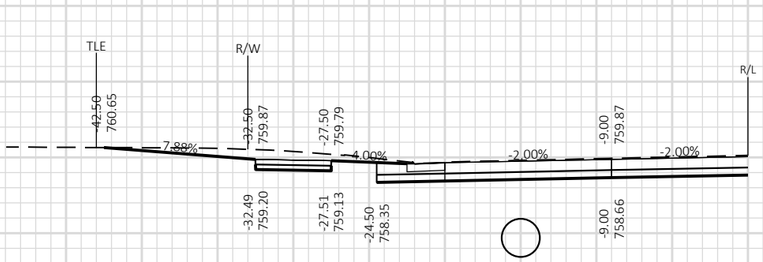
PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

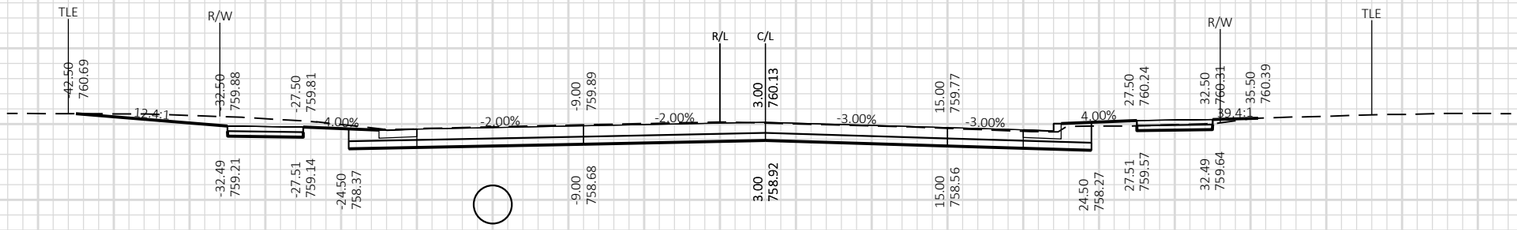
86+17.87
DWY LT



86+04.81
DWY LT



86+00.00



86+17.87
DWY LT

86+04.81
DWY LT

86+00.00

9

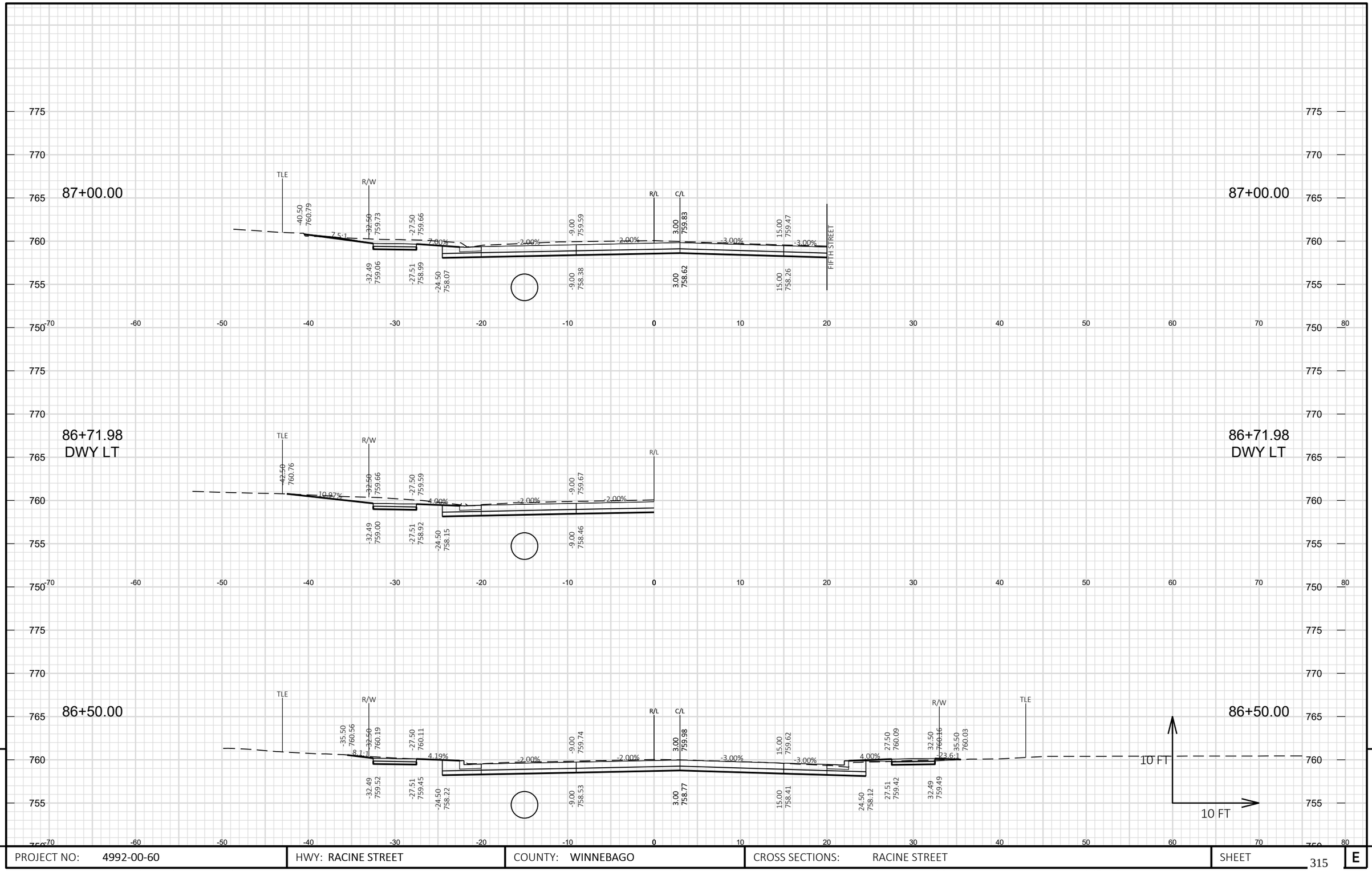
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 314 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 112-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

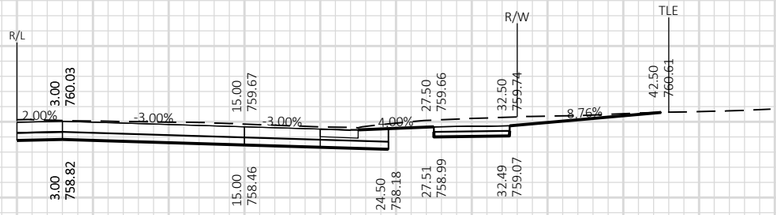
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 315	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 113-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

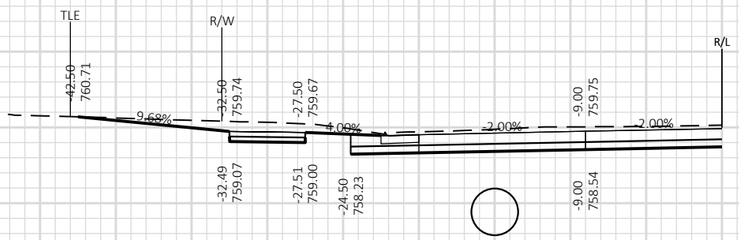
WISDOT/CADDS SHEET 49

87+88.40
DWY RT



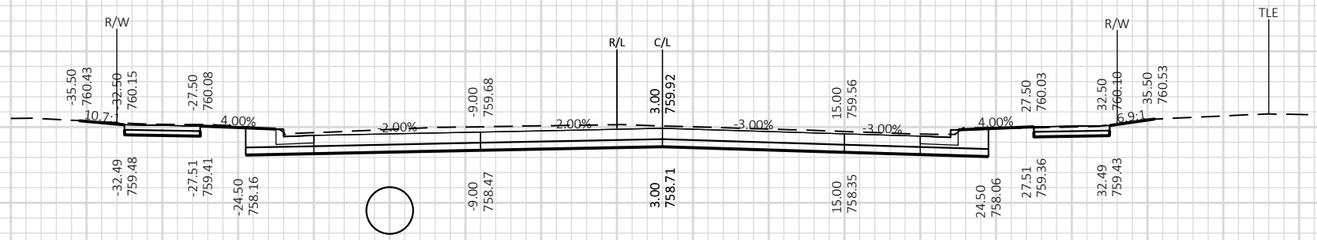
87+88.40
DWY RT

87+73.30
DWY LT



87+73.30
DWY LT

87+50.00



87+50.00

10 FT
10 FT

9

9

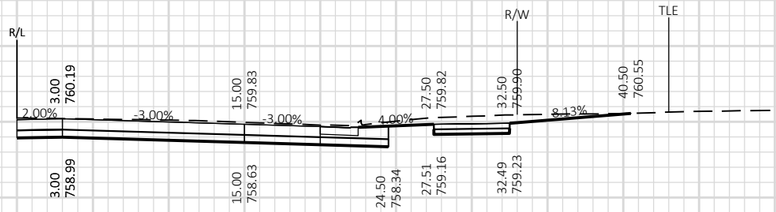
PROJECT NO: 4992-00-60 | HWY: RACINE STREET | COUNTY: WINNEBAGO | CROSS SECTIONS: RACINE STREET | SHEET 316 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 114-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

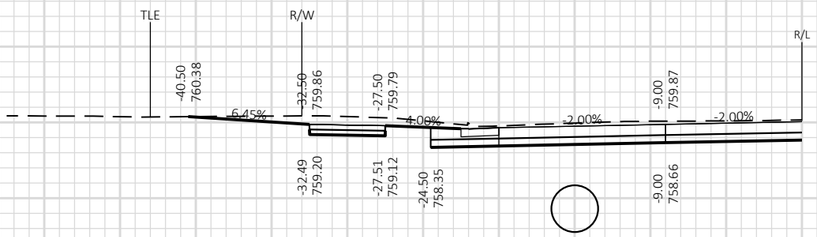
WISDOT/CADDS SHEET 49

88+43.03
DWY RT



88+43.03
DWY RT

88+14.72
DWY LT

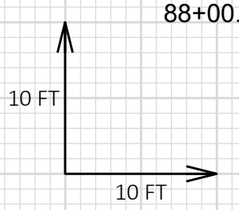


88+14.72
DWY LT

88+00.00



88+00.00



9

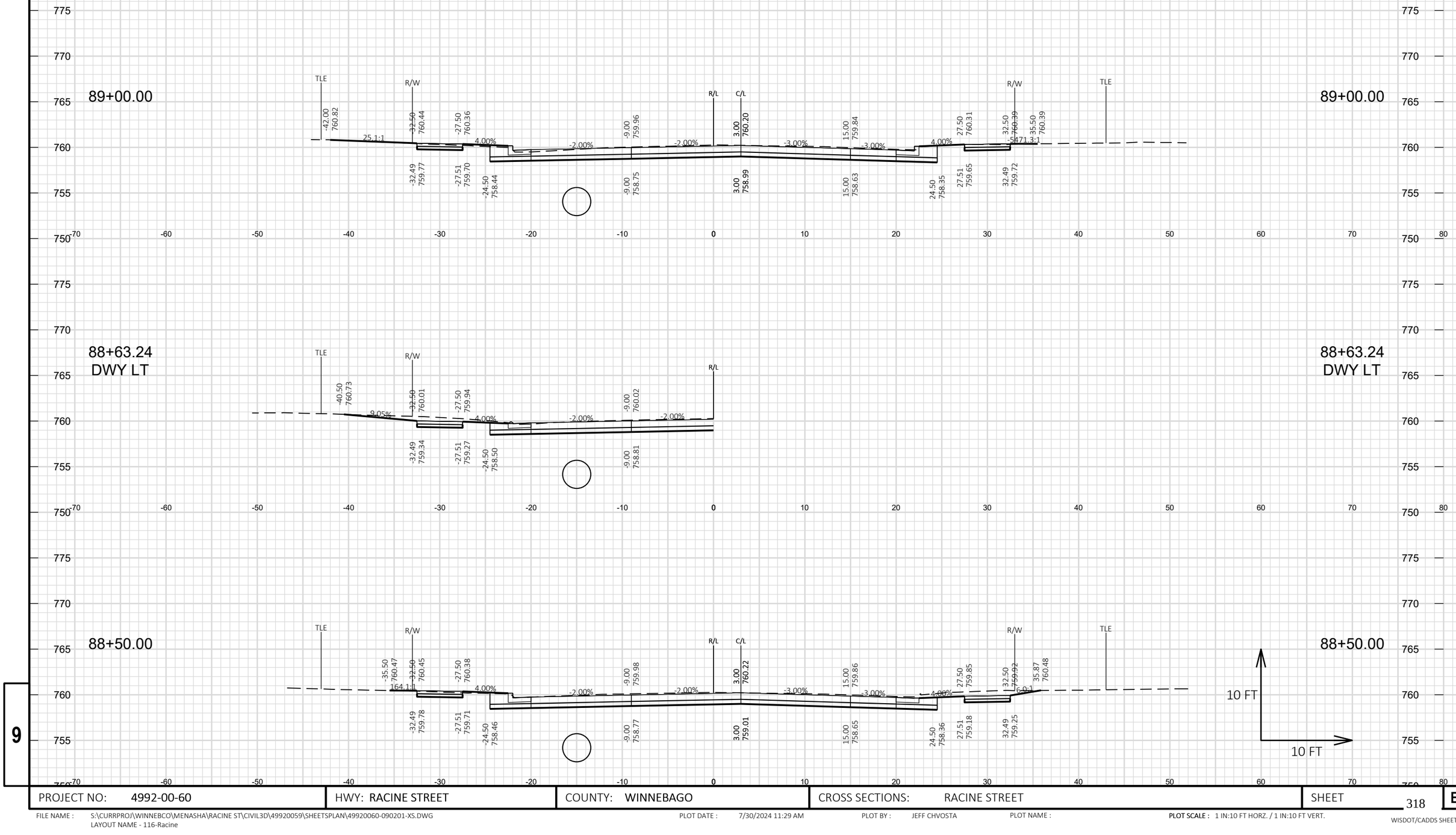
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 317	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 115-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



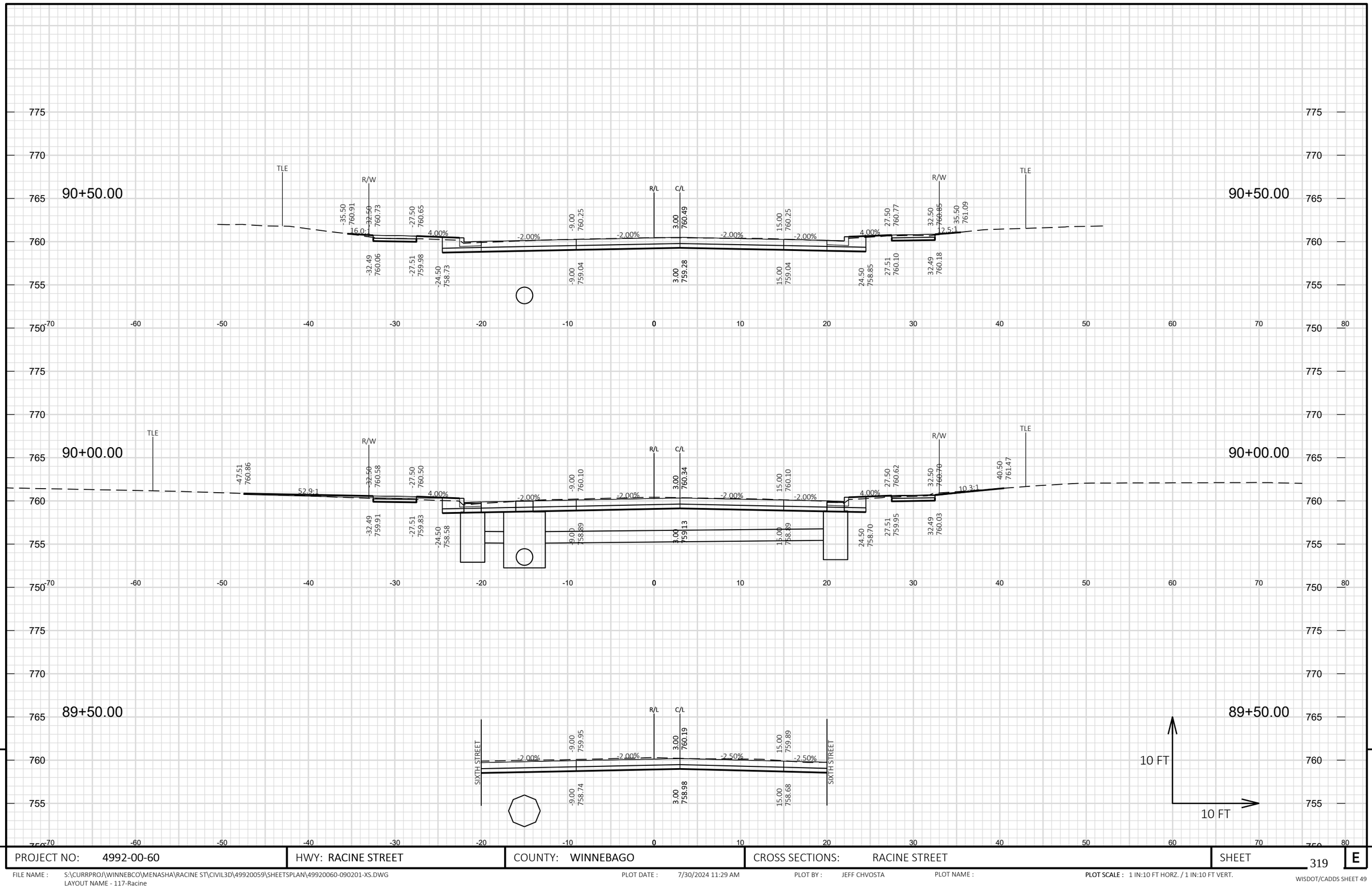
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 318 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 116-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

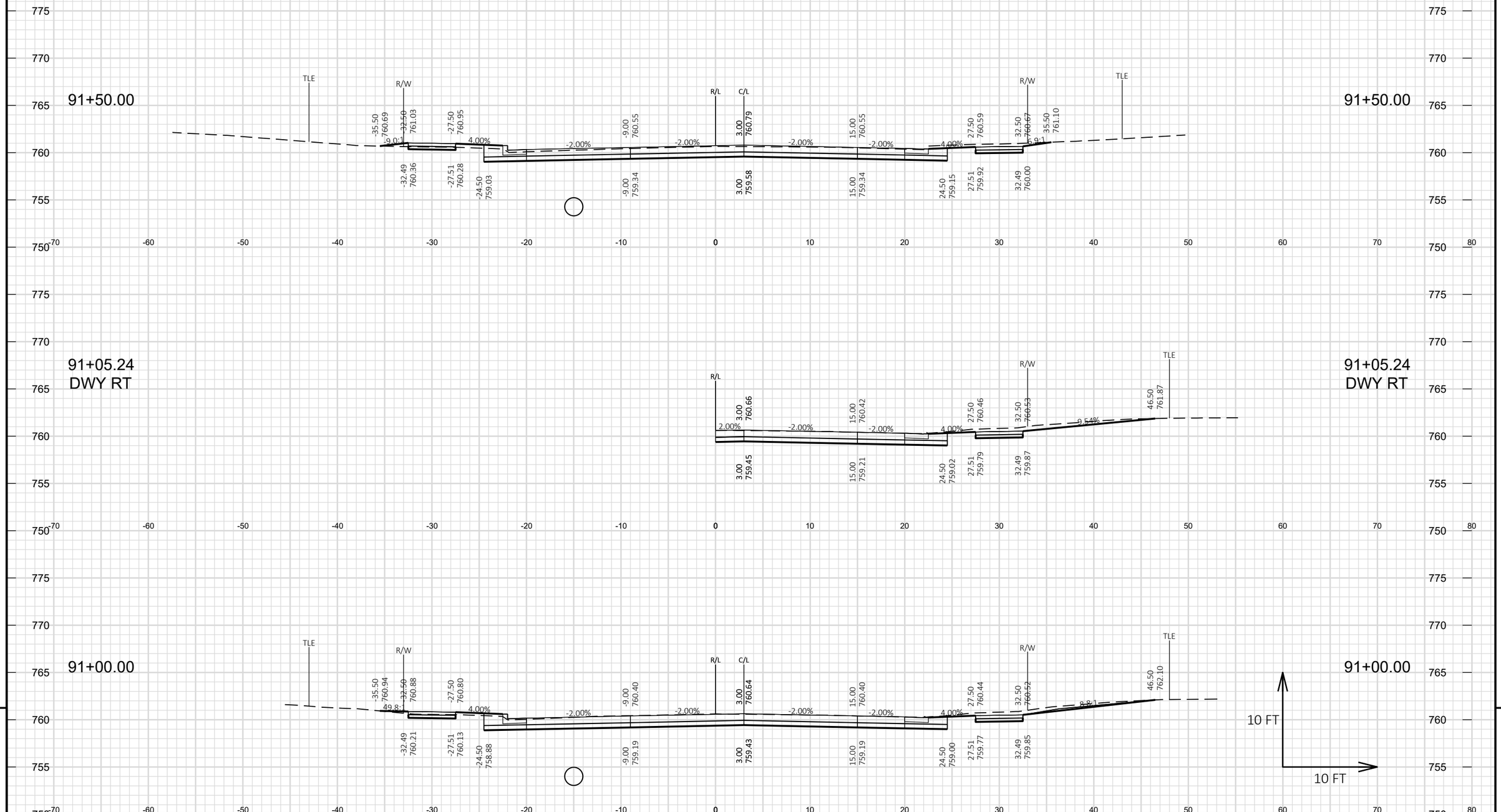
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 319	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 117-Racine

PLOT DATE : 7/30/2024 11:29 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

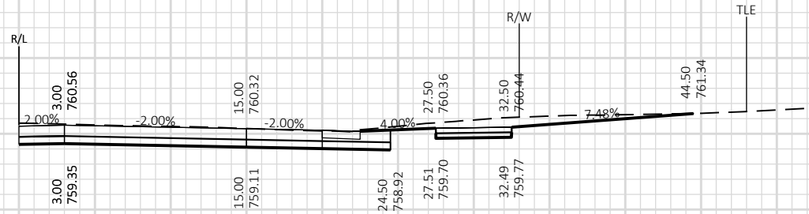
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 320 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 118-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

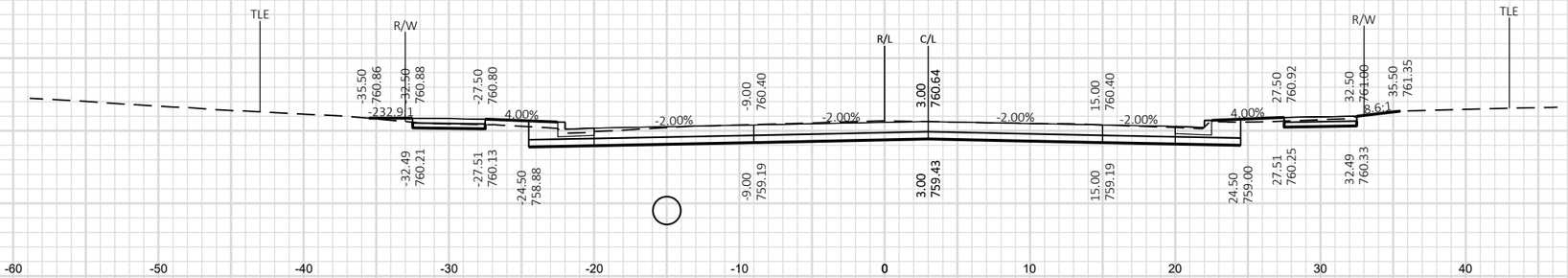
WISDOT/CADDS SHEET 49

92+26.24
DWY RT



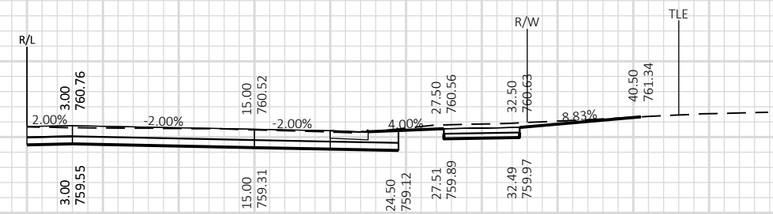
92+26.24
DWY RT

92+00.00

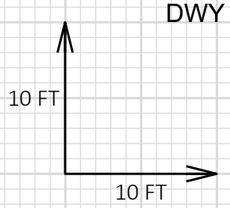


92+00.00

91+60.36
DWY RT



91+60.36
DWY RT



9

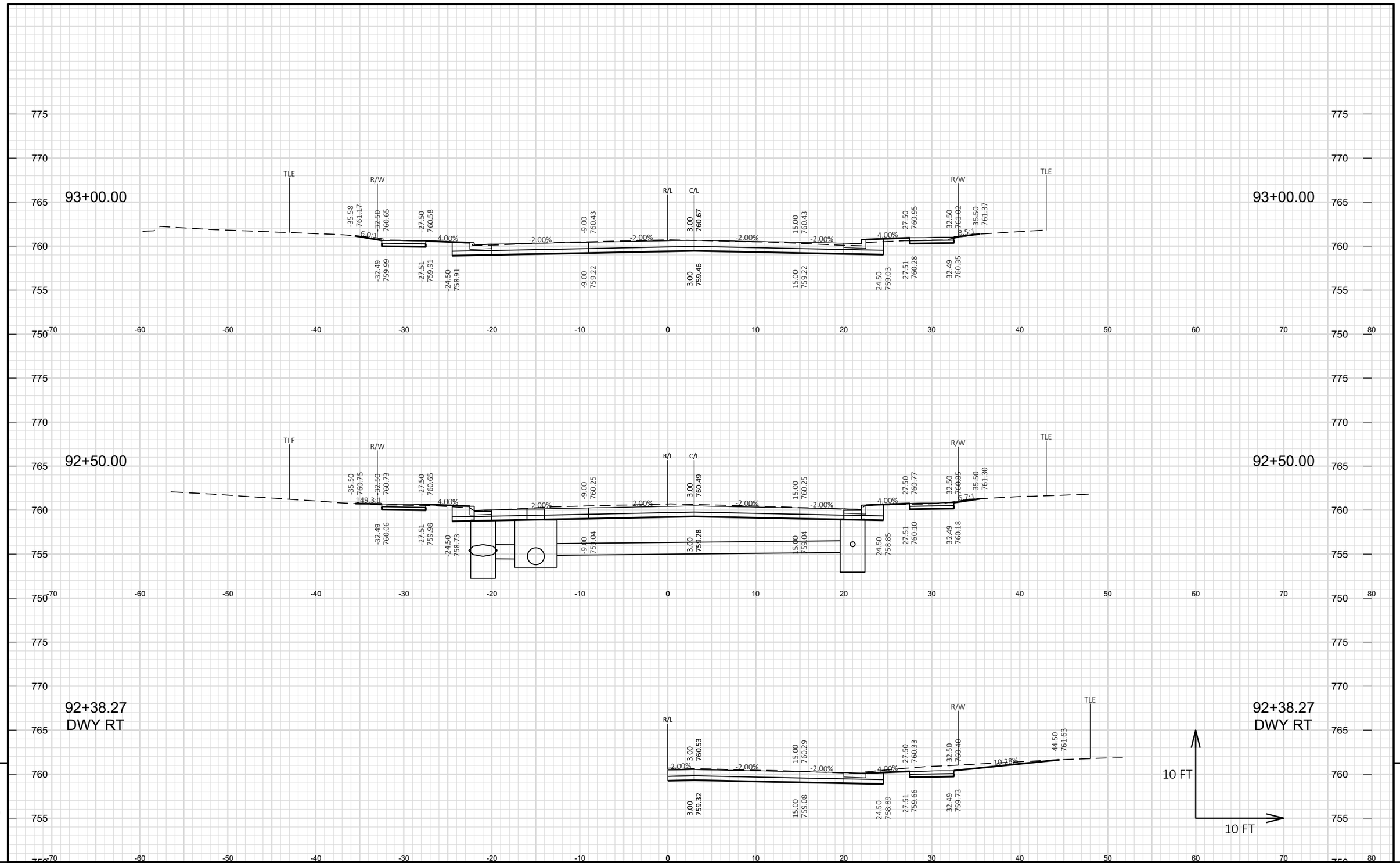
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 321 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 119-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

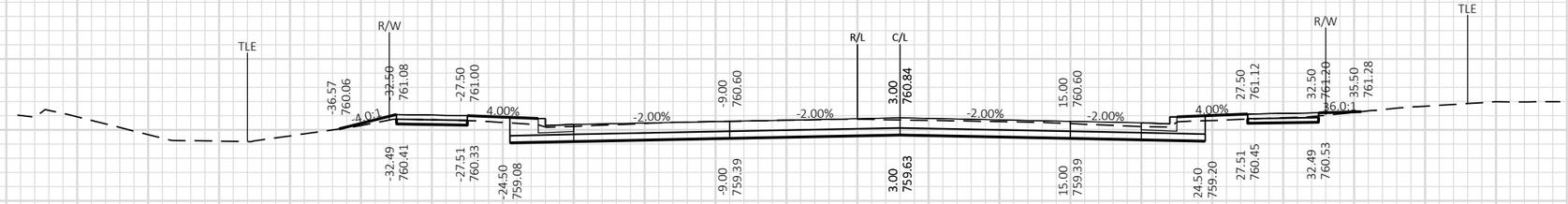
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 322	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 120-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

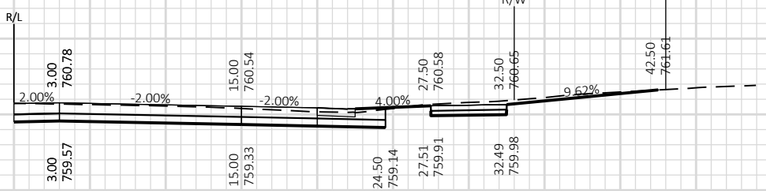
WISDOT/CADDS SHEET 49

93+50.00



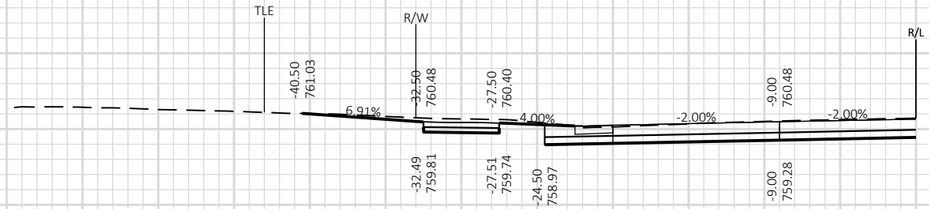
93+50.00

93+31.52
DWY RT

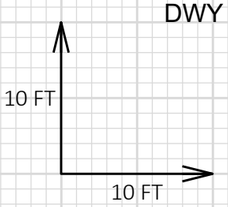


93+31.52
DWY RT

93+16.71
DWY LT



93+16.71
DWY LT



9

9

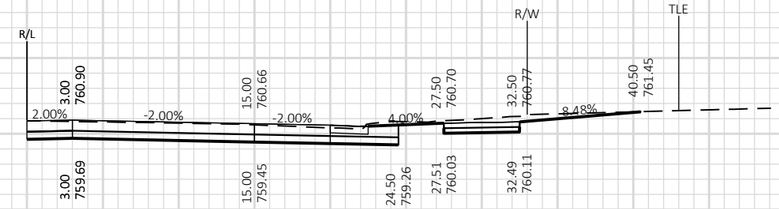
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 323	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 121-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

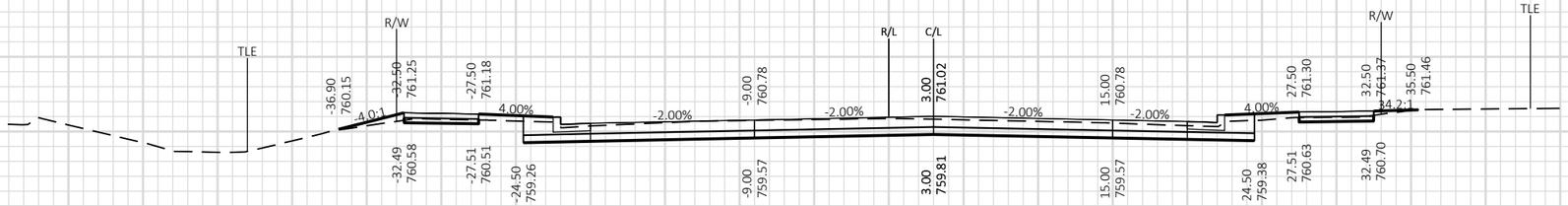
WISDOT/CADDS SHEET 49

94+39.22
DWY RT



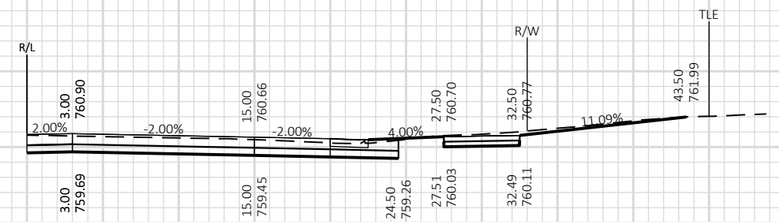
94+39.22
DWY RT

94+00.00

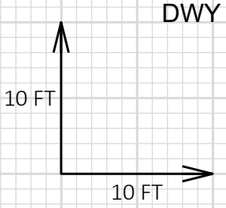


94+00.00

93+66.22
DWY RT



93+66.22
DWY RT



9

9

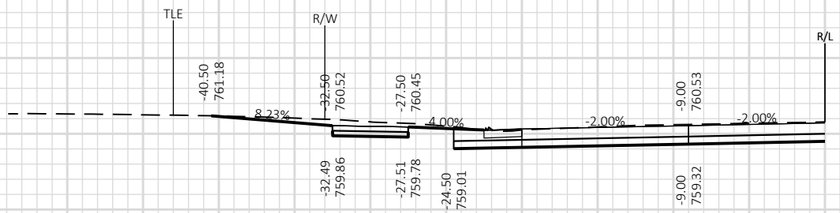
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 324	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 122-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

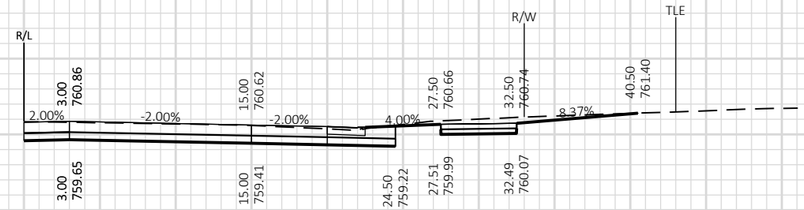
WISDOT/CADDS SHEET 49

94+82.67
DWY LT



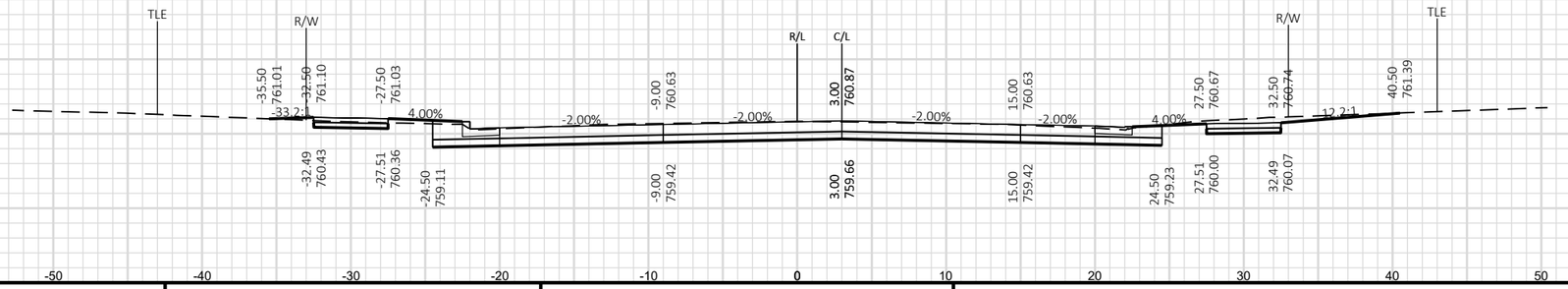
94+82.67
DWY LT

94+51.76
DWY RT

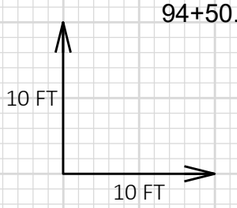


94+51.76
DWY RT

94+50.00



94+50.00



9

9

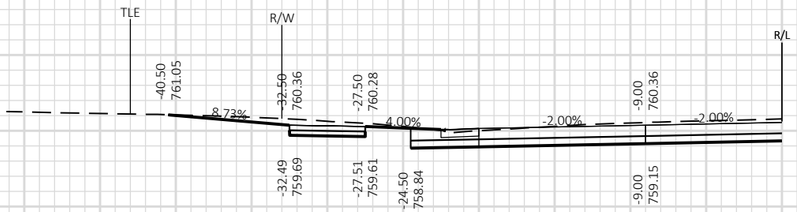
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 325	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 123-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

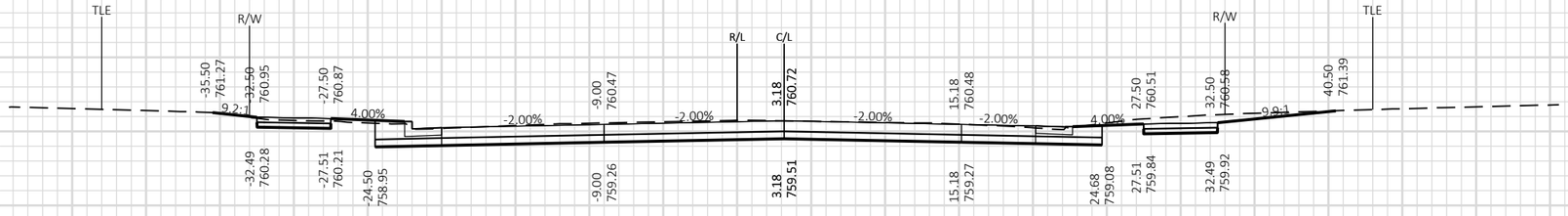
WISDOT/CADDS SHEET 49

95+32.87
DWY LT



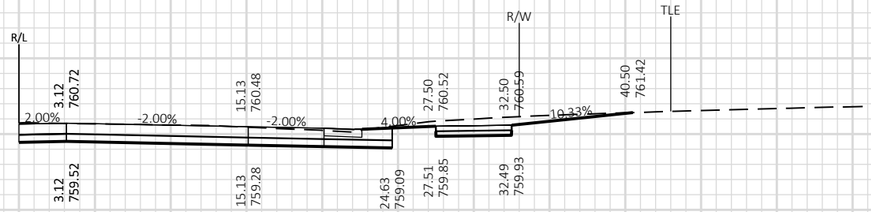
95+32.87
DWY LT

95+00.00



95+00.00

94+97.16
DWY RT



94+97.16
DWY RT

9

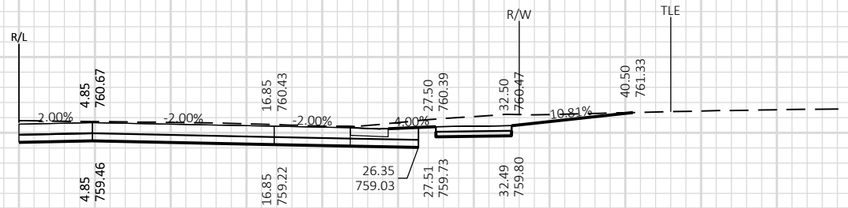
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 326	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 124-Racine

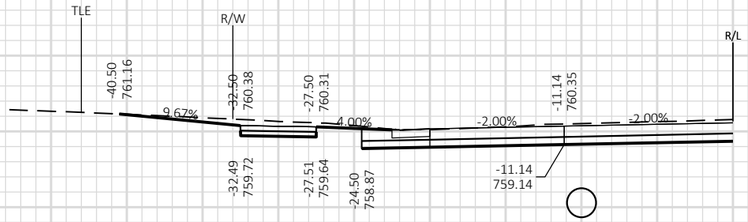
PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

95+83.37
DWY RT



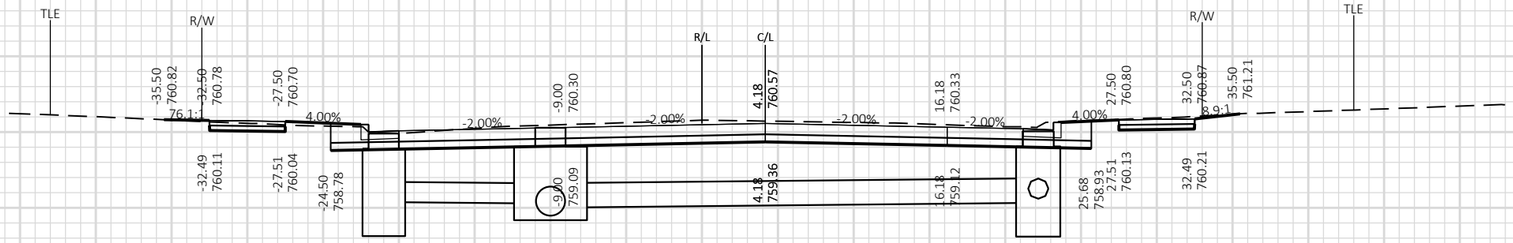
95+83.37
DWY RT

95+83.15
DWY LT

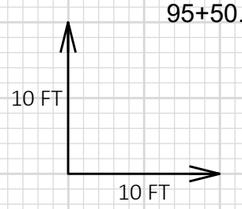


95+83.15
DWY LT

95+50.00



95+50.00



9

9

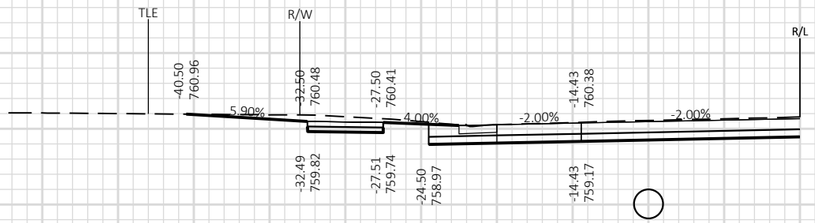
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 327 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 125-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

96+32.50
DWY LT



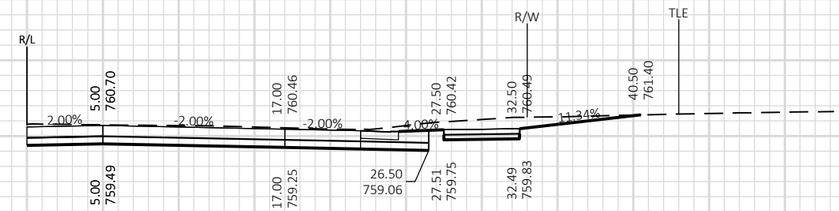
96+32.50
DWY LT

96+00.00

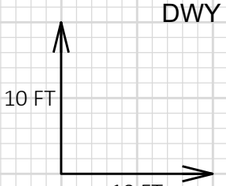


96+00.00

95+94.26
DWY RT



95+94.26
DWY RT



9

9

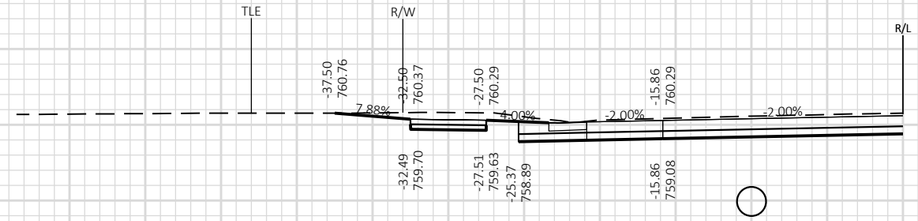
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 328	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 126-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

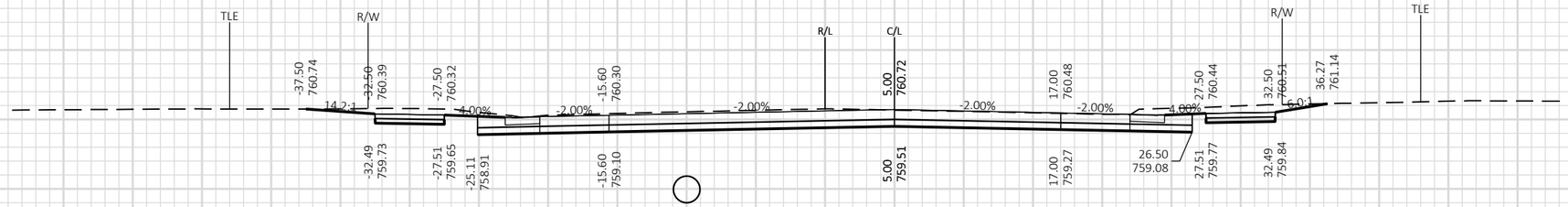
WISDOT/CADDS SHEET 49

96+53.95
DWY LT



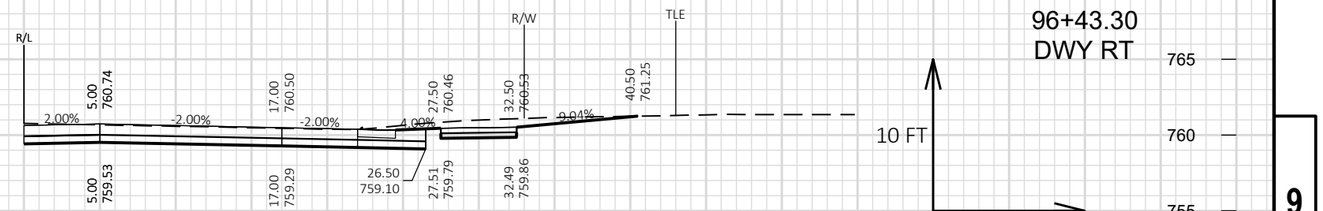
96+53.95
DWY LT

96+50.00



96+50.00

96+43.30
DWY RT



96+43.30
DWY RT

9

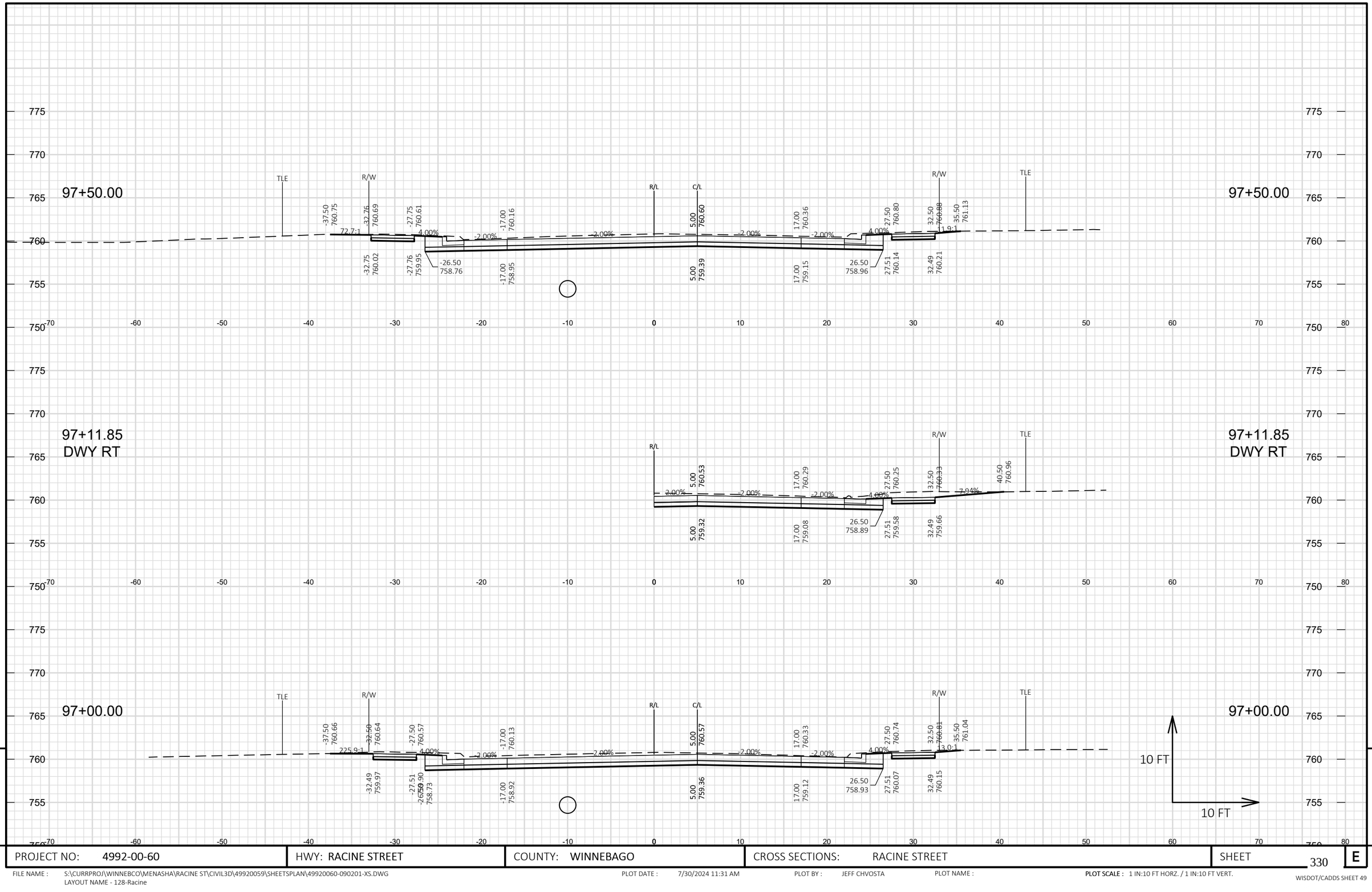
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 329	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 127-Racine

PLOT DATE : 7/30/2024 11:30 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

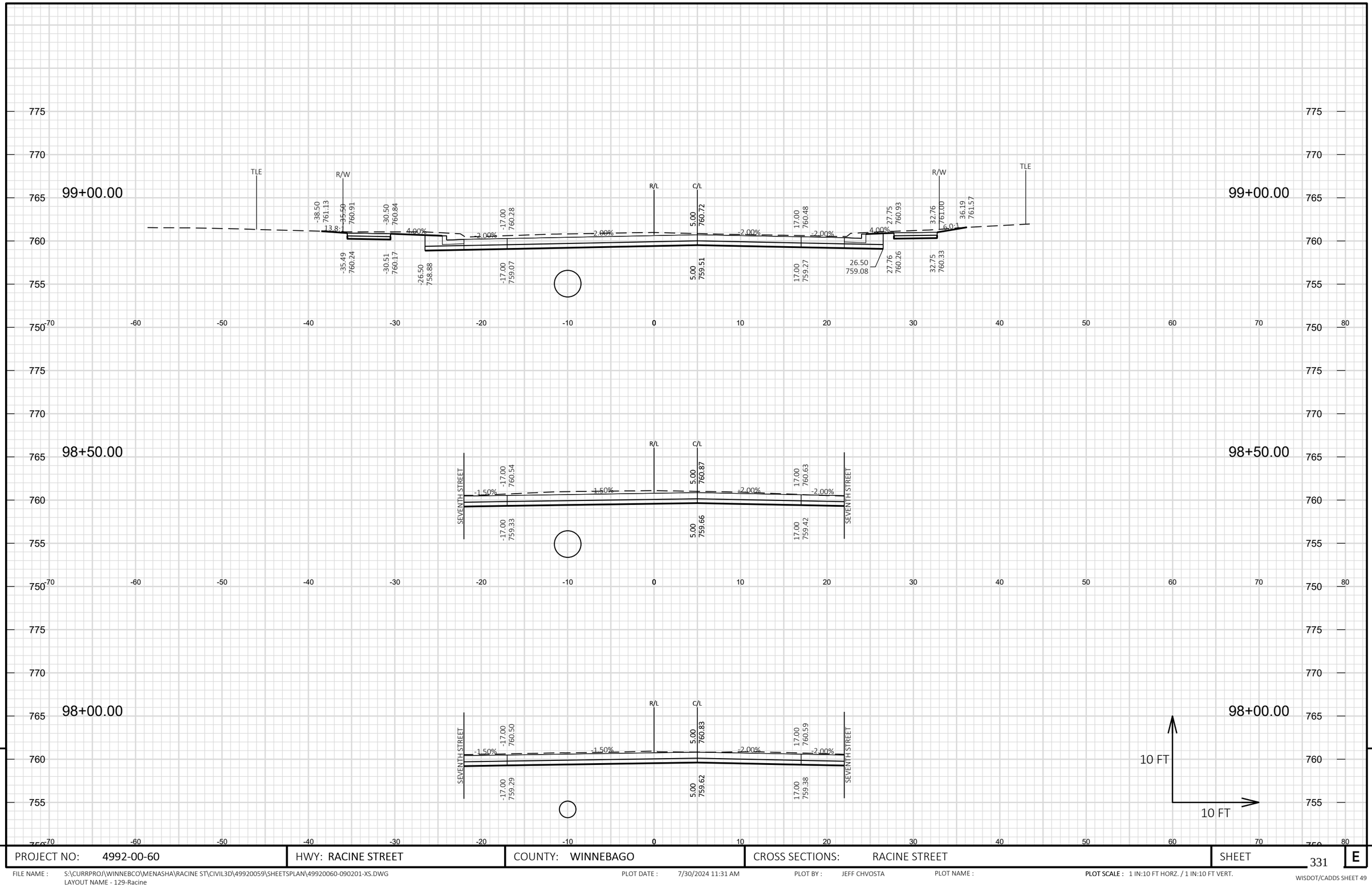


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 330 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 128-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



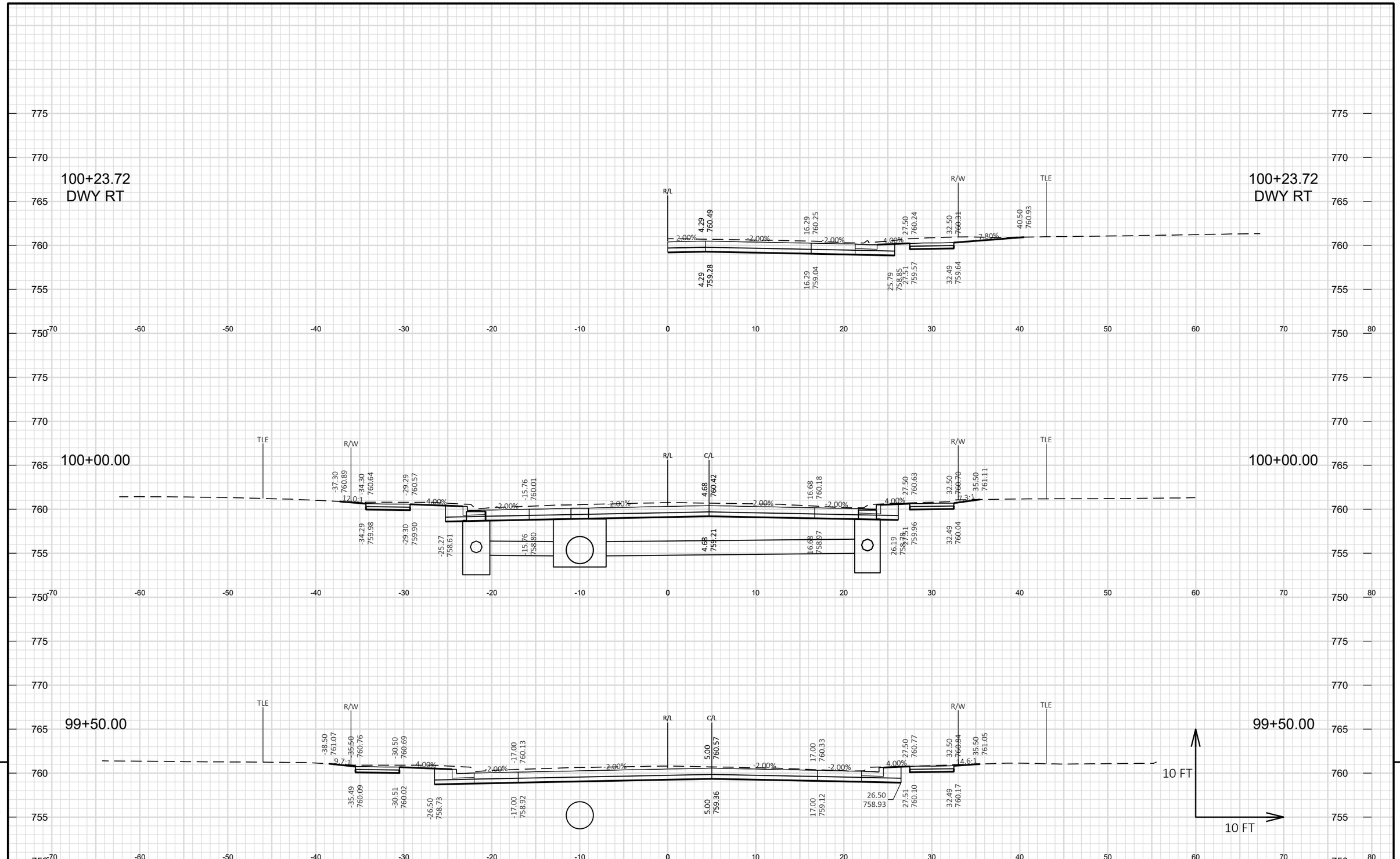
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 331	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 129-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

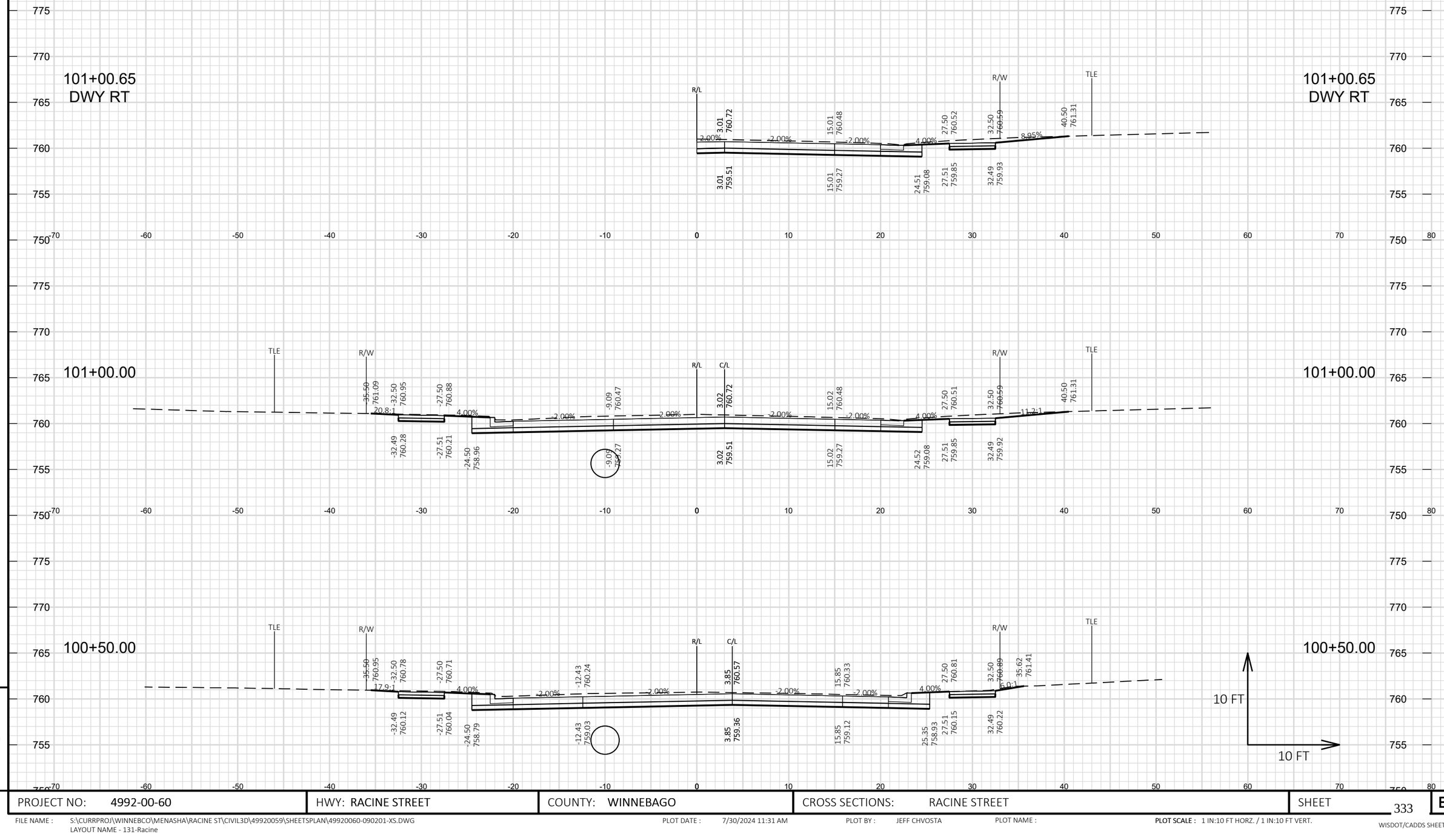
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 332 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 130-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

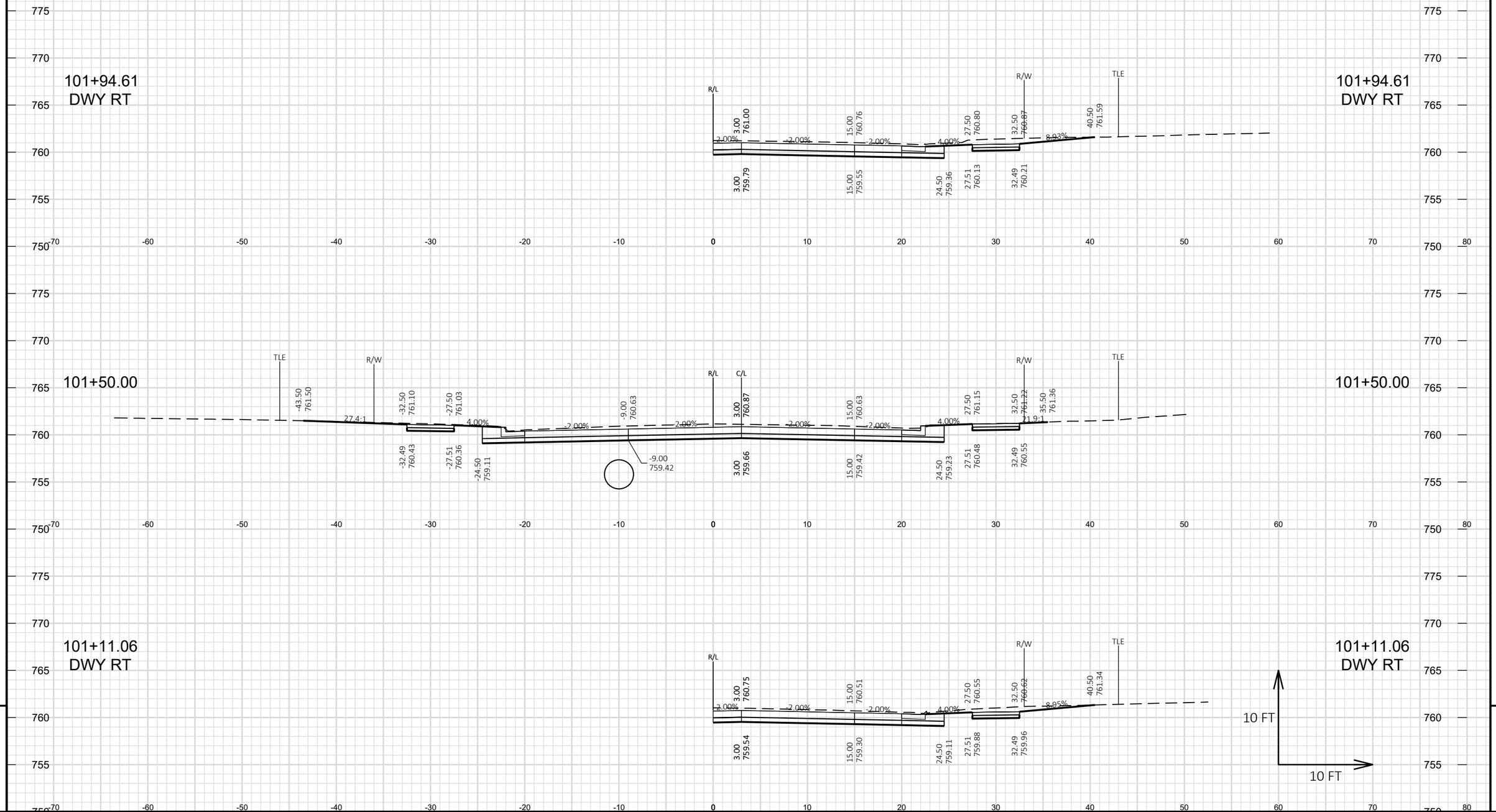
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 333 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 131-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



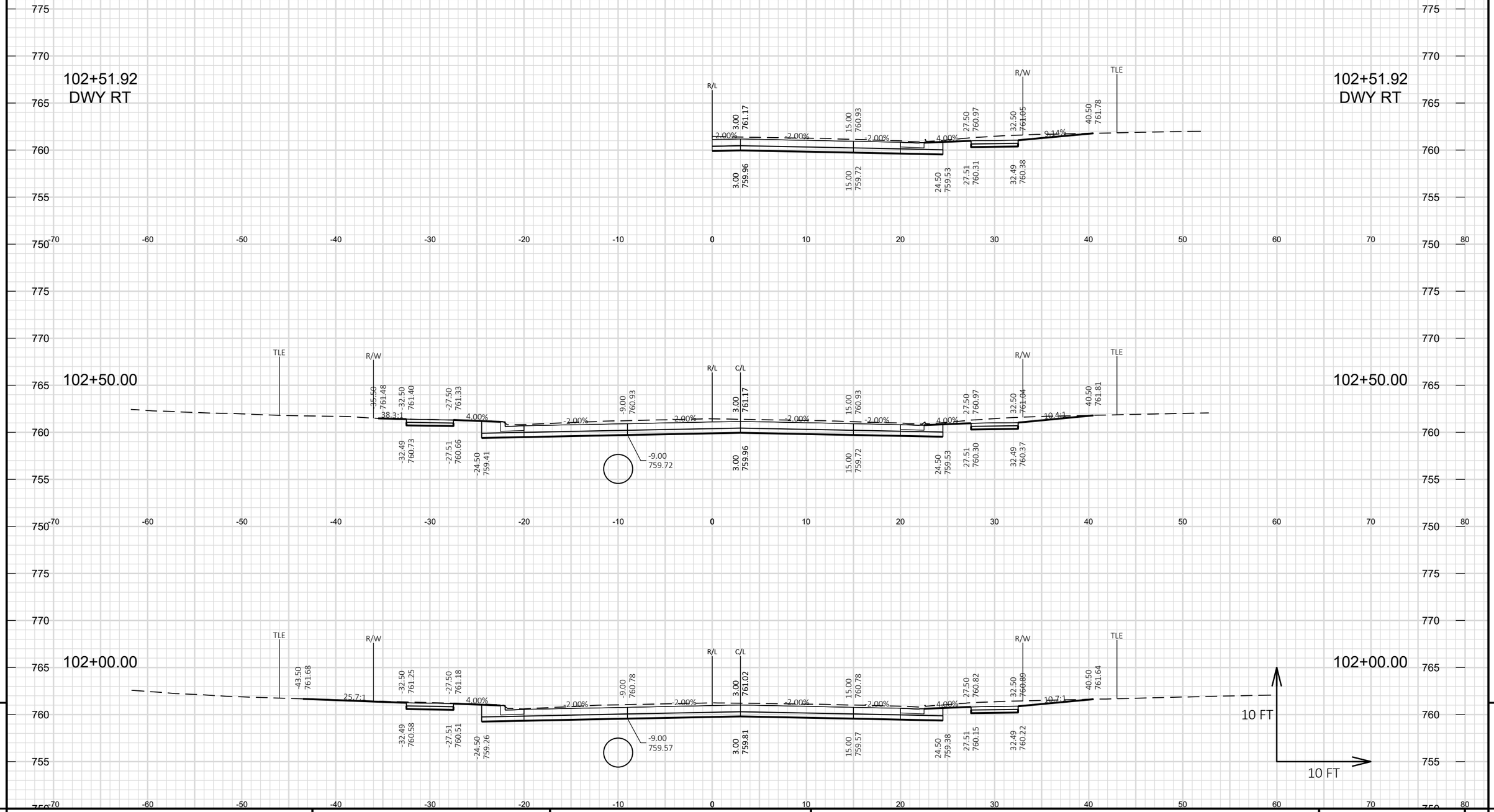
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 334	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 132-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

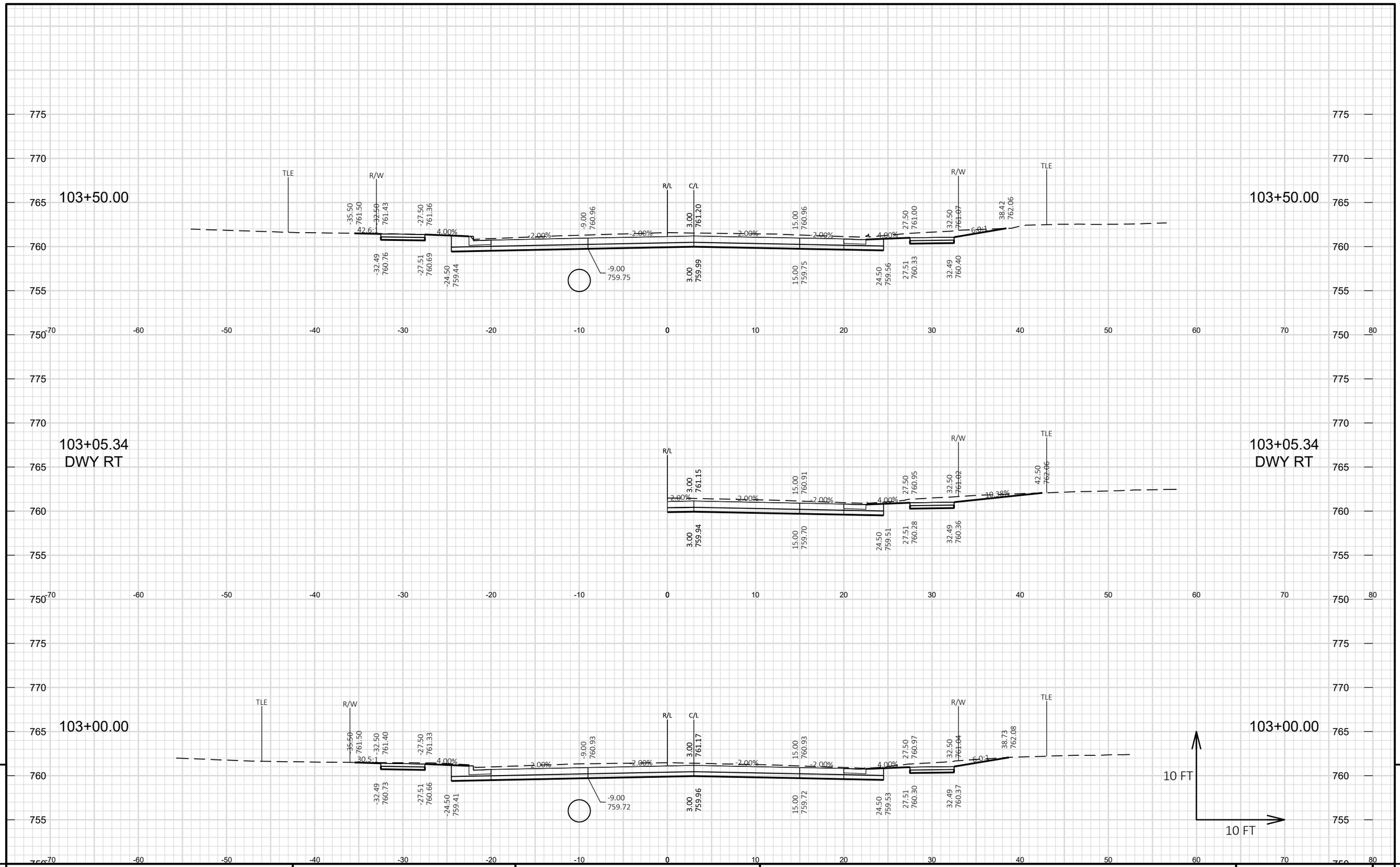
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 335	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 133-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

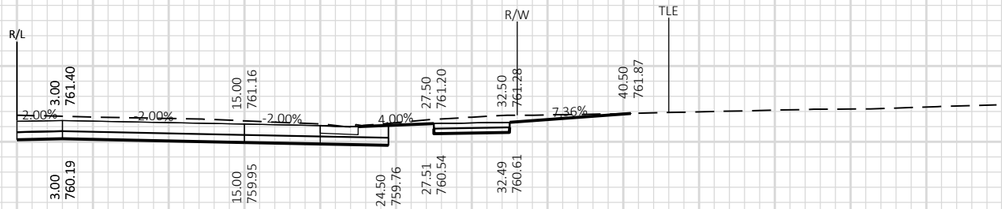
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 336	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 134-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

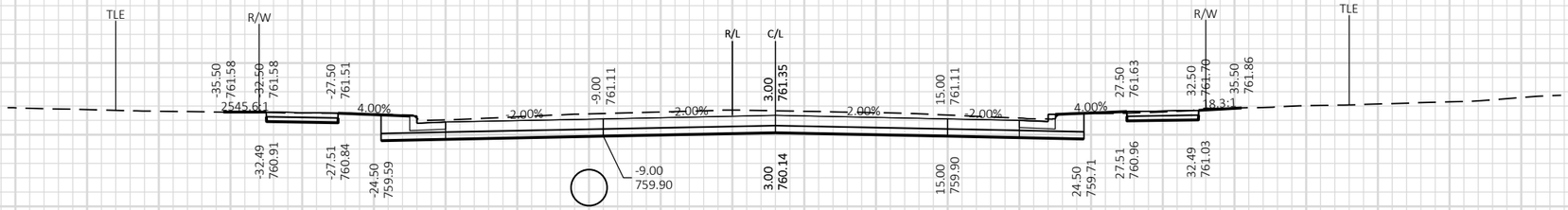
WISDOT/CADDS SHEET 49

104+18.84
DWY RT



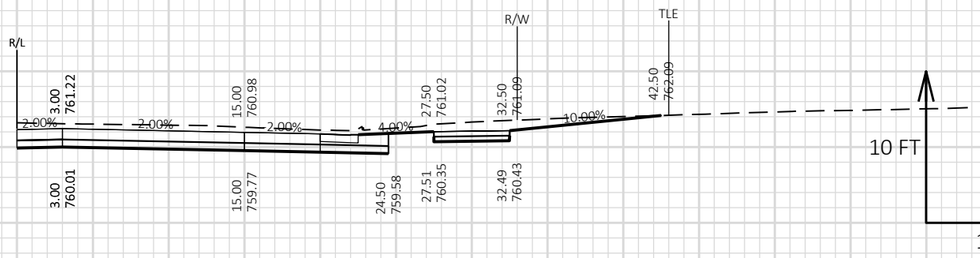
104+18.84
DWY RT

104+00.00



104+00.00

103+56.90
DWY RT



103+56.90
DWY RT

9

9

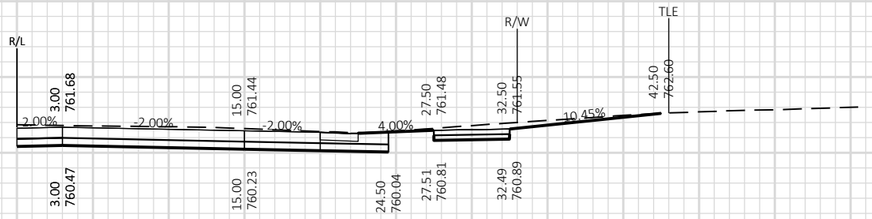
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 337	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 135-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

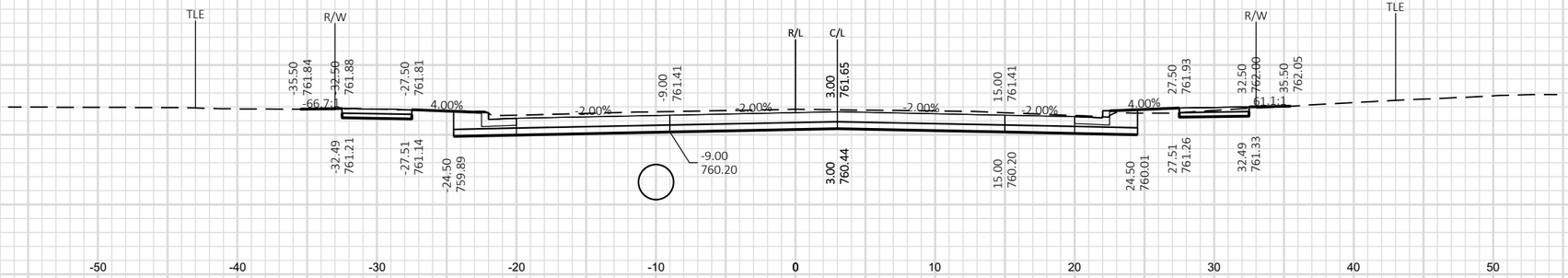
WISDOT/CADDS SHEET 49

105+11.41
DWY RT



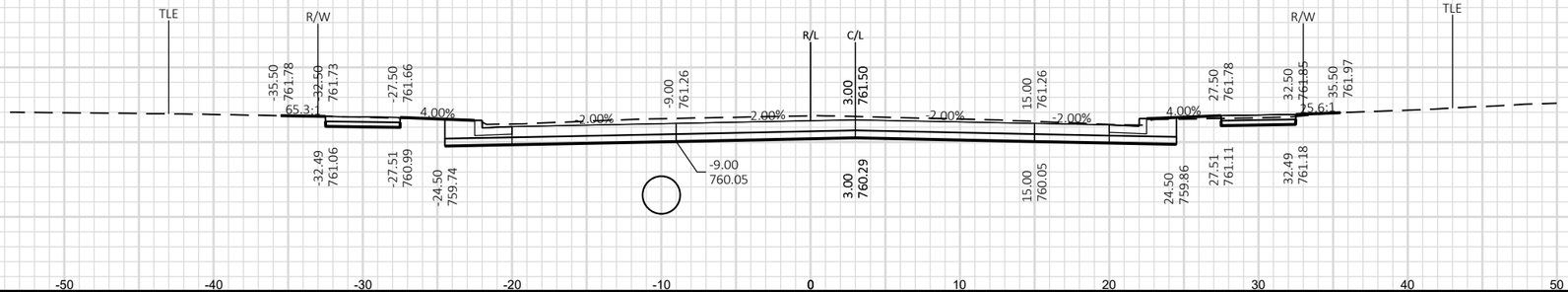
105+11.41
DWY RT

105+00.00

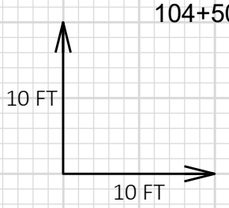


105+00.00

104+50.00



104+50.00



9

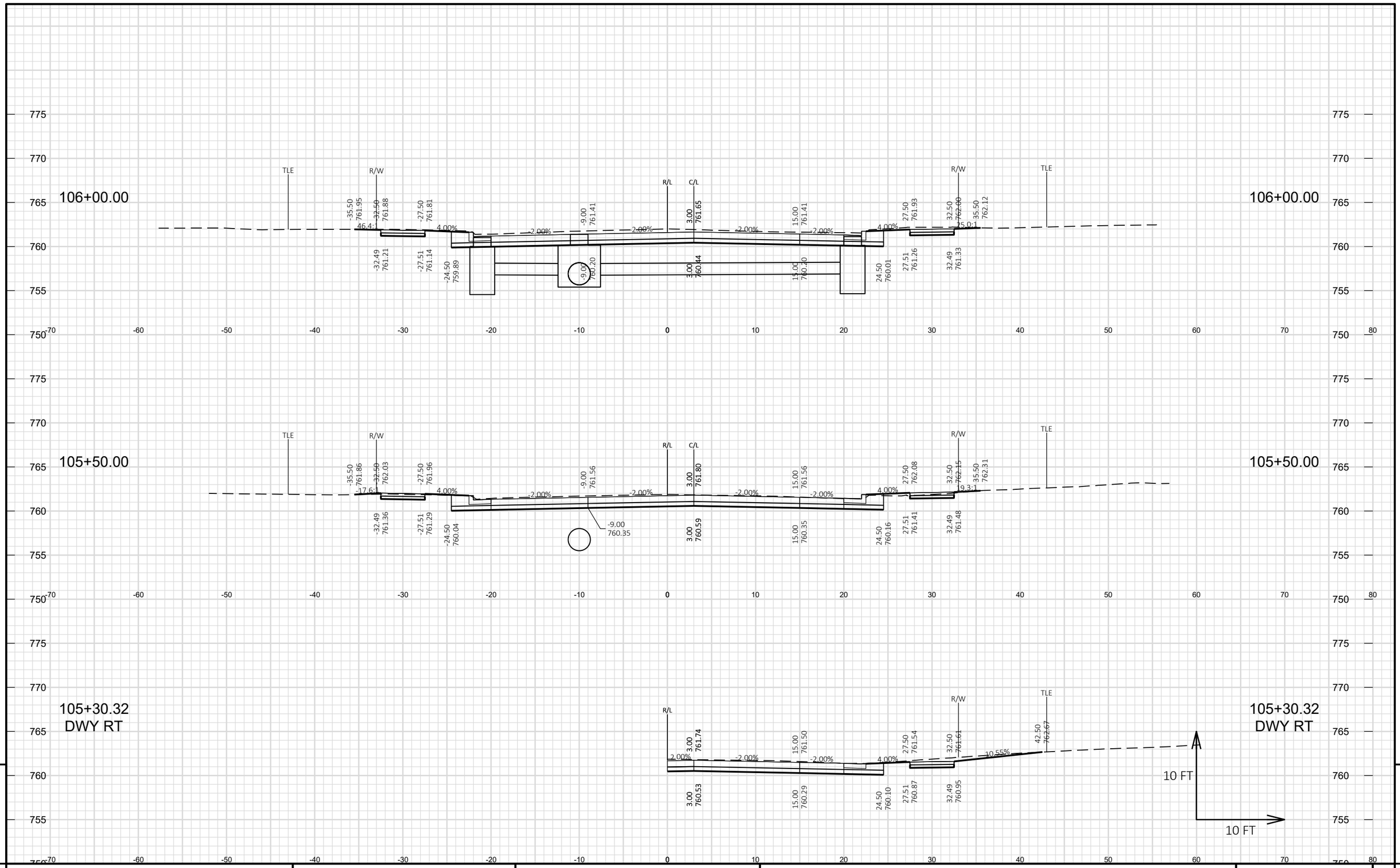
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 338	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 136-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

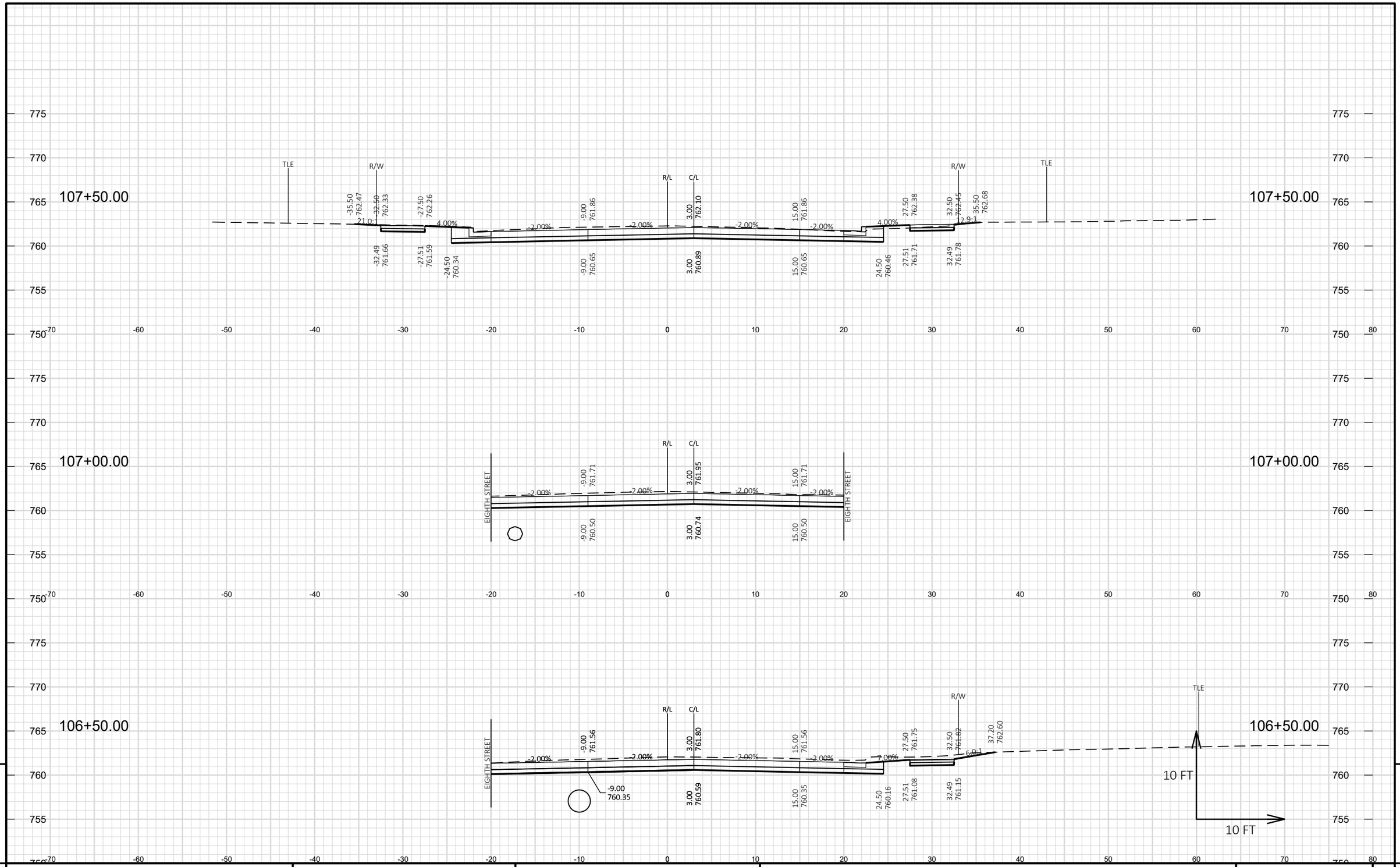
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 339	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 137-Racine

PLOT DATE : 7/30/2024 11:31 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

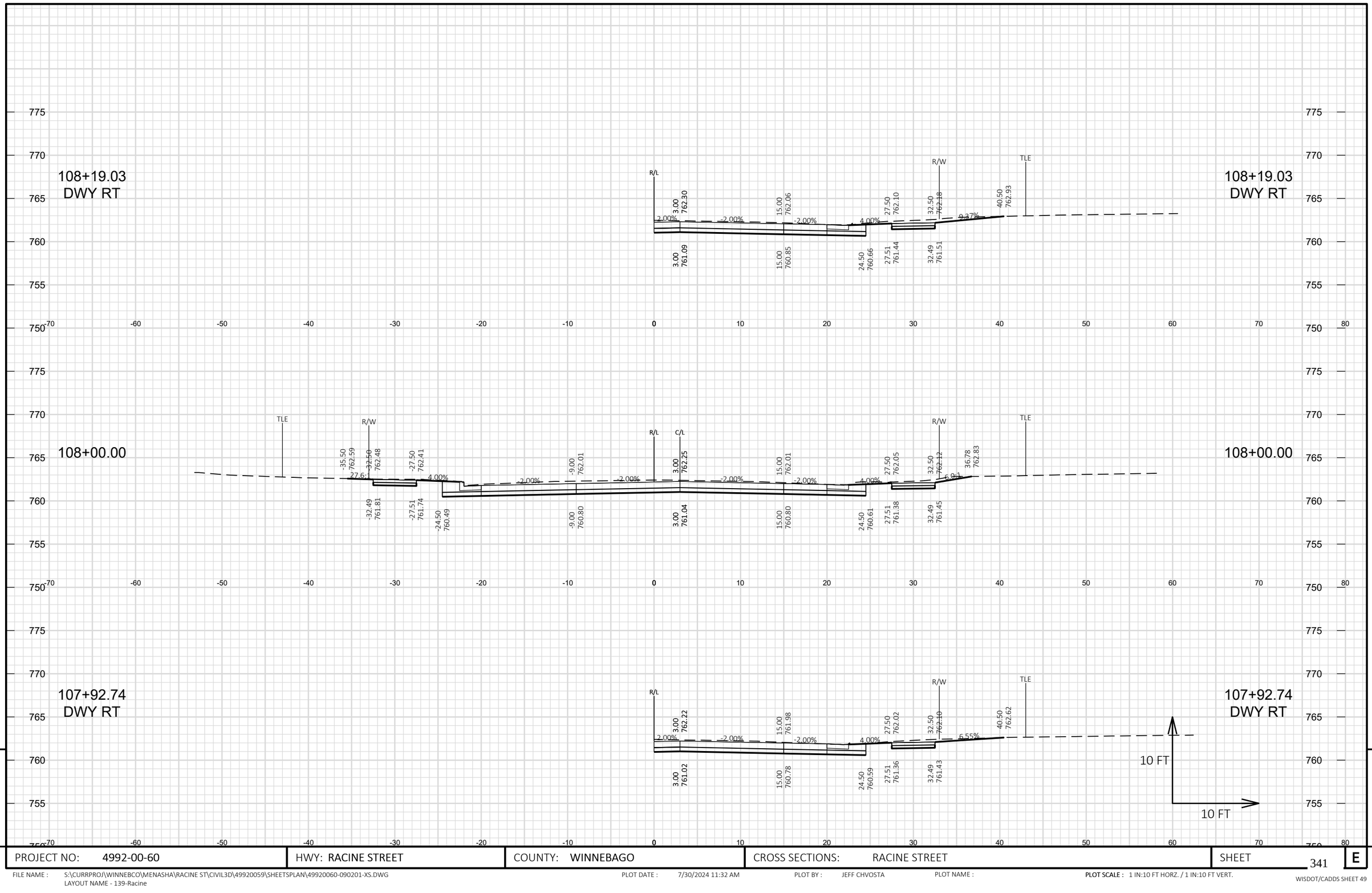
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 340	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 138-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



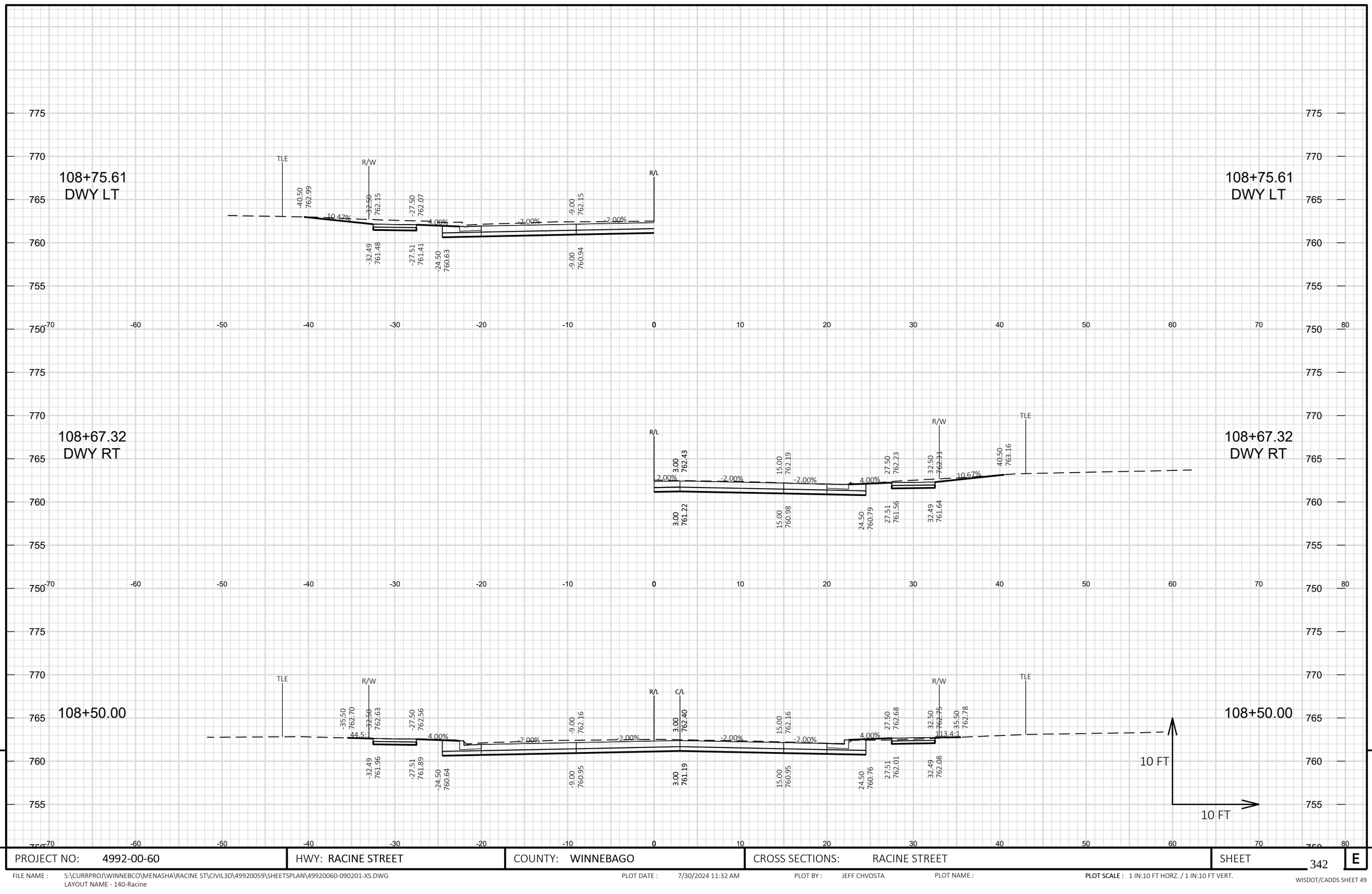
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 341	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 139-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

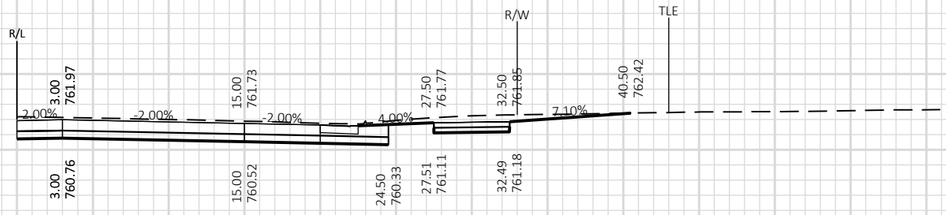
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 342	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 140-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

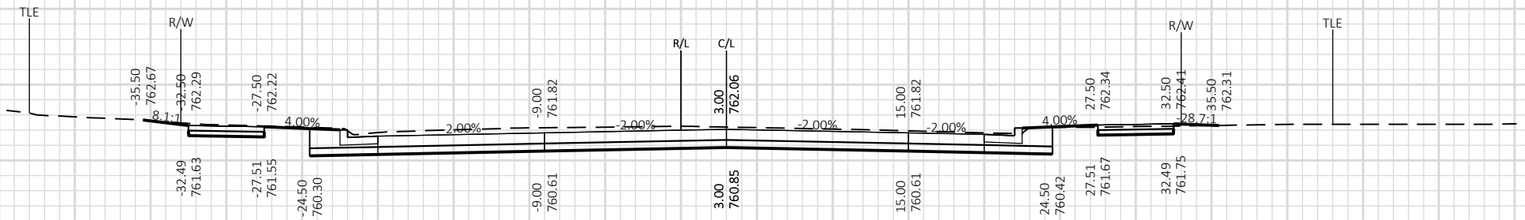
WISDOT/CADDS SHEET 49

109+68.92
DWY RT



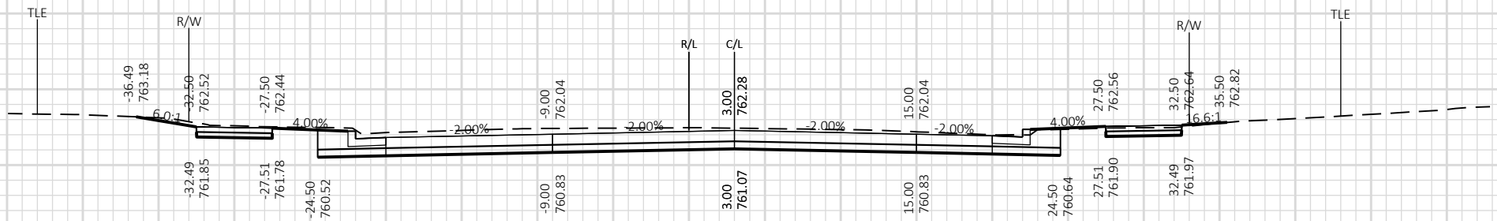
109+68.92
DWY RT

109+50.00

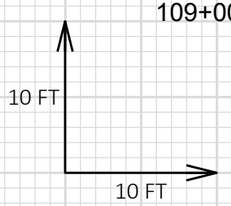


109+50.00

109+00.00



109+00.00



9

9

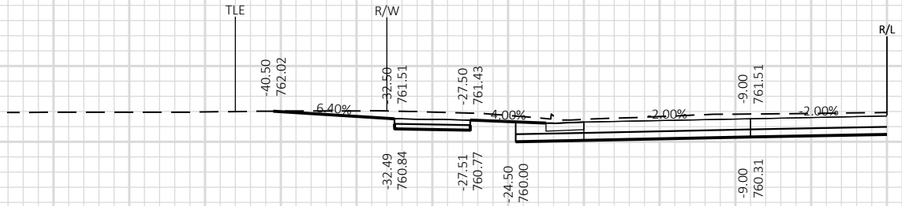
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 343	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 141-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

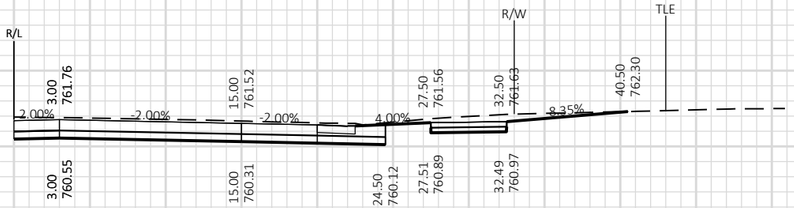
WISDOT/CADDS SHEET 49

110+17.67
DWY LT



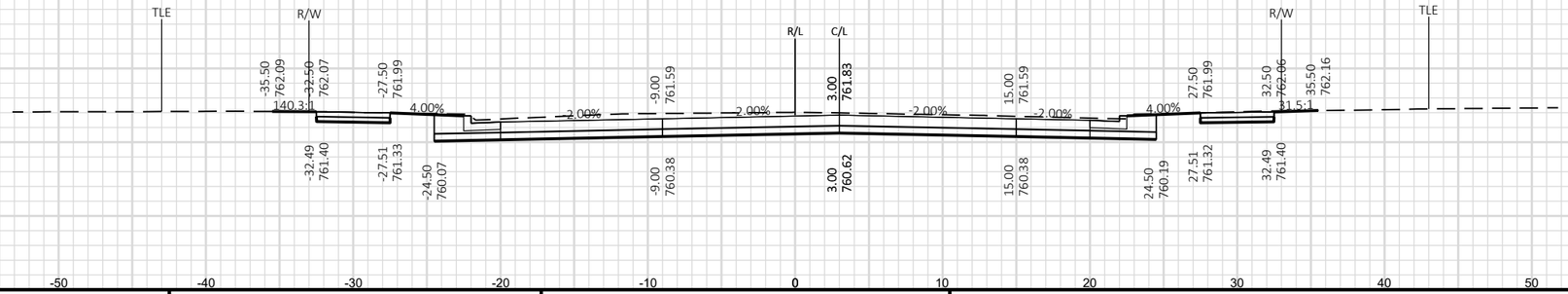
110+17.67
DWY LT

110+16.35
DWY RT

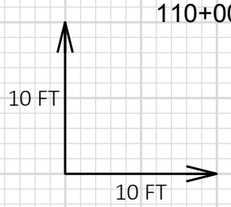


110+16.35
DWY RT

110+00.00



110+00.00



9

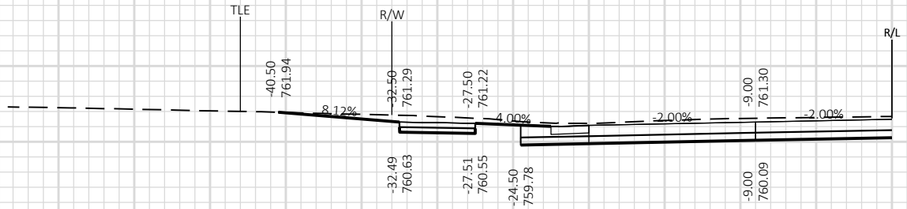
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 344	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 142-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

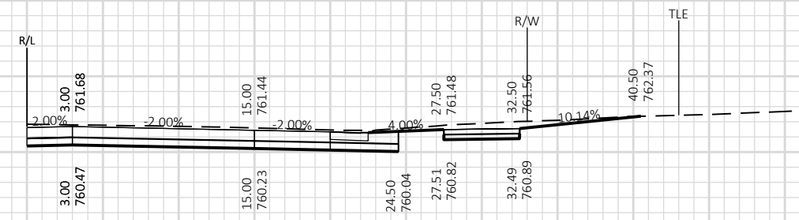
110+69.97
DWY LT



110+50.00



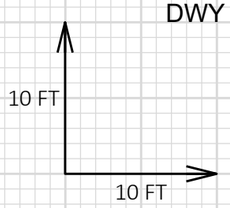
110+33.60
DWY RT



110+69.97
DWY LT

110+50.00

110+33.60
DWY RT



9

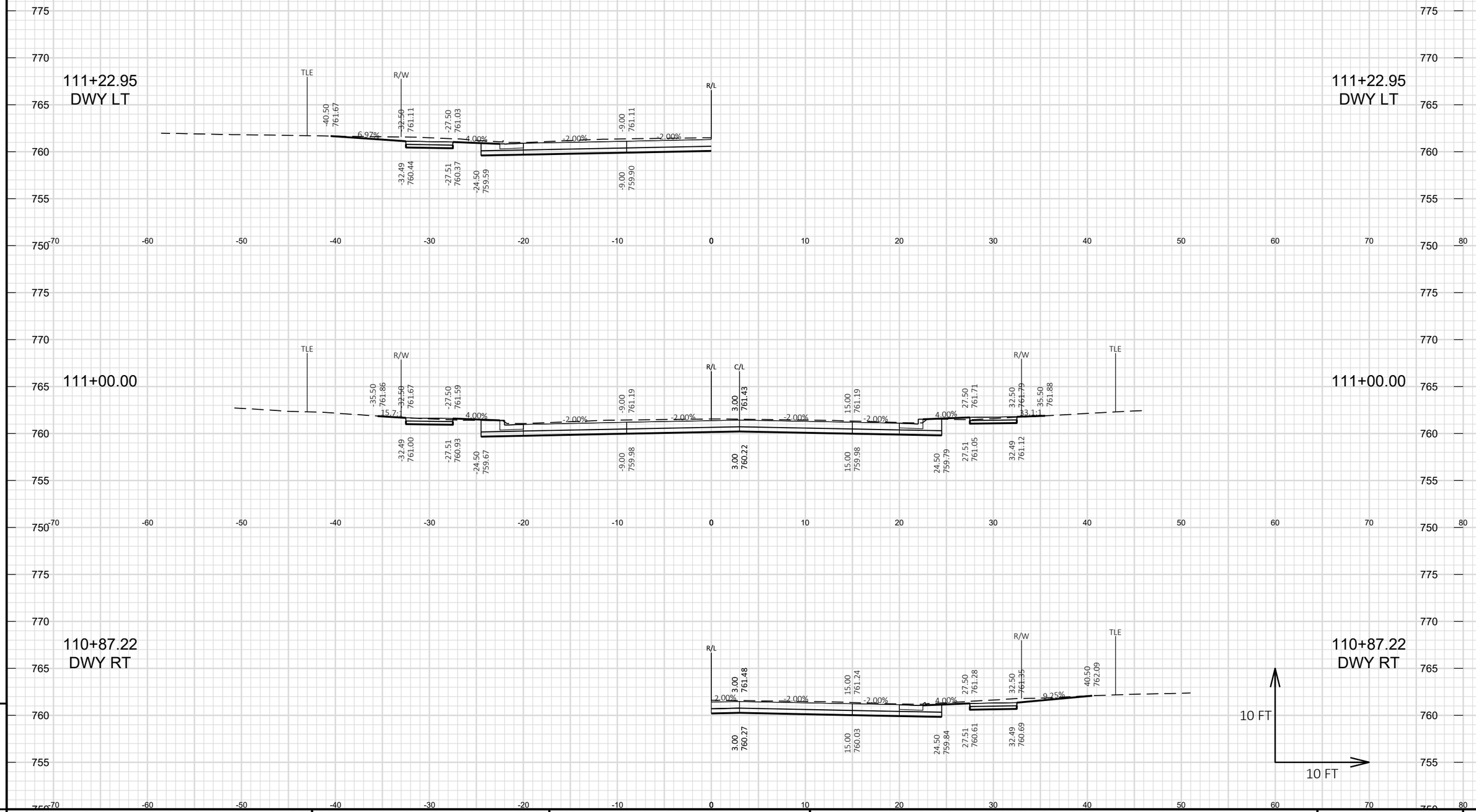
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 345	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 143-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

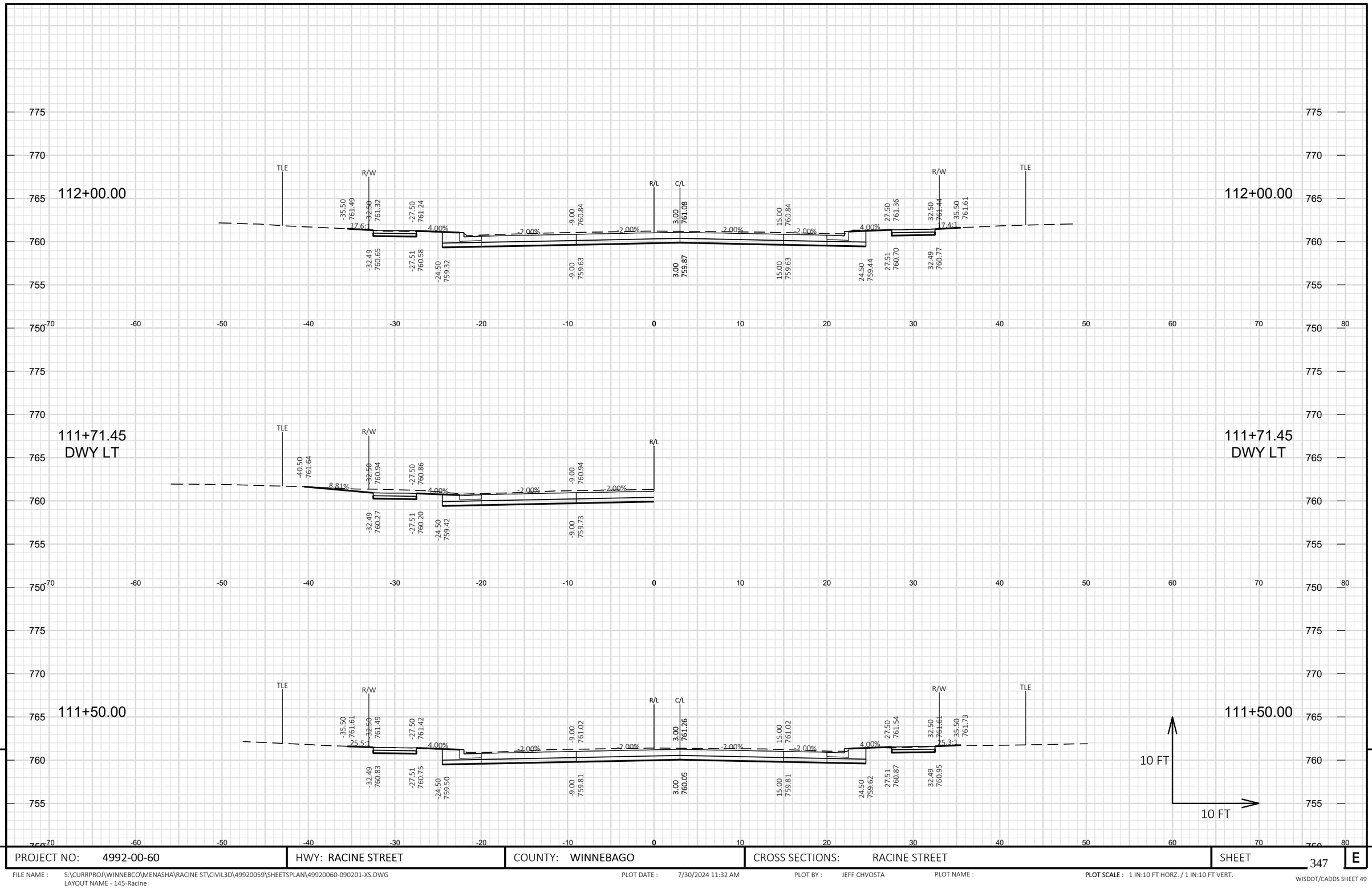
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 346	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 144-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 347	E

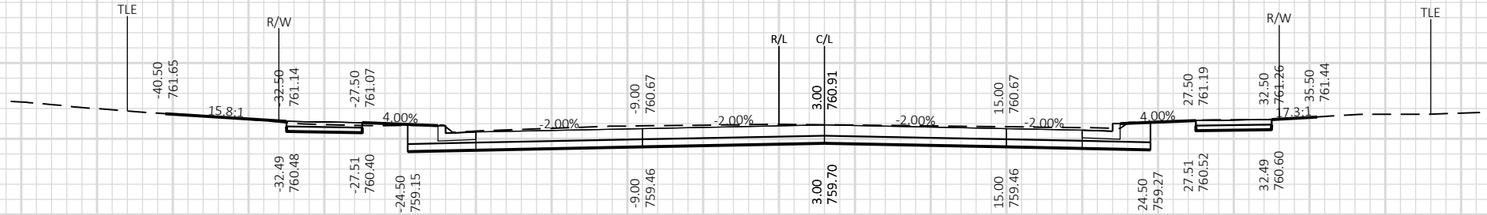
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 145-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

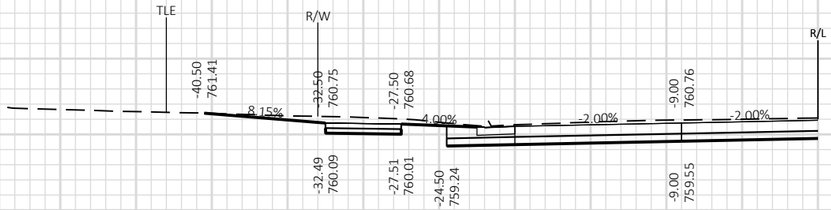
WISDOT/CADDS SHEET 49

112+50.00



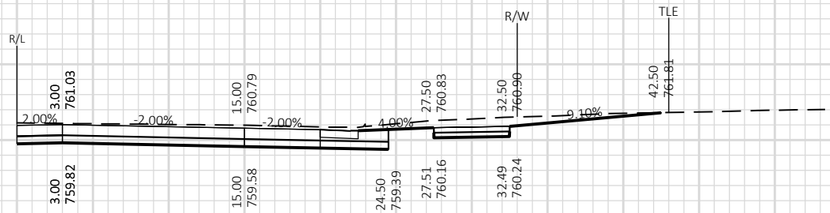
112+50.00

112+24.26
DWY LT

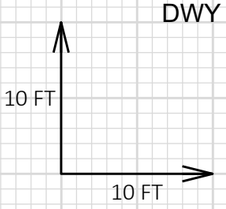


112+24.26
DWY LT

112+15.57
DWY RT



112+15.57
DWY RT



9

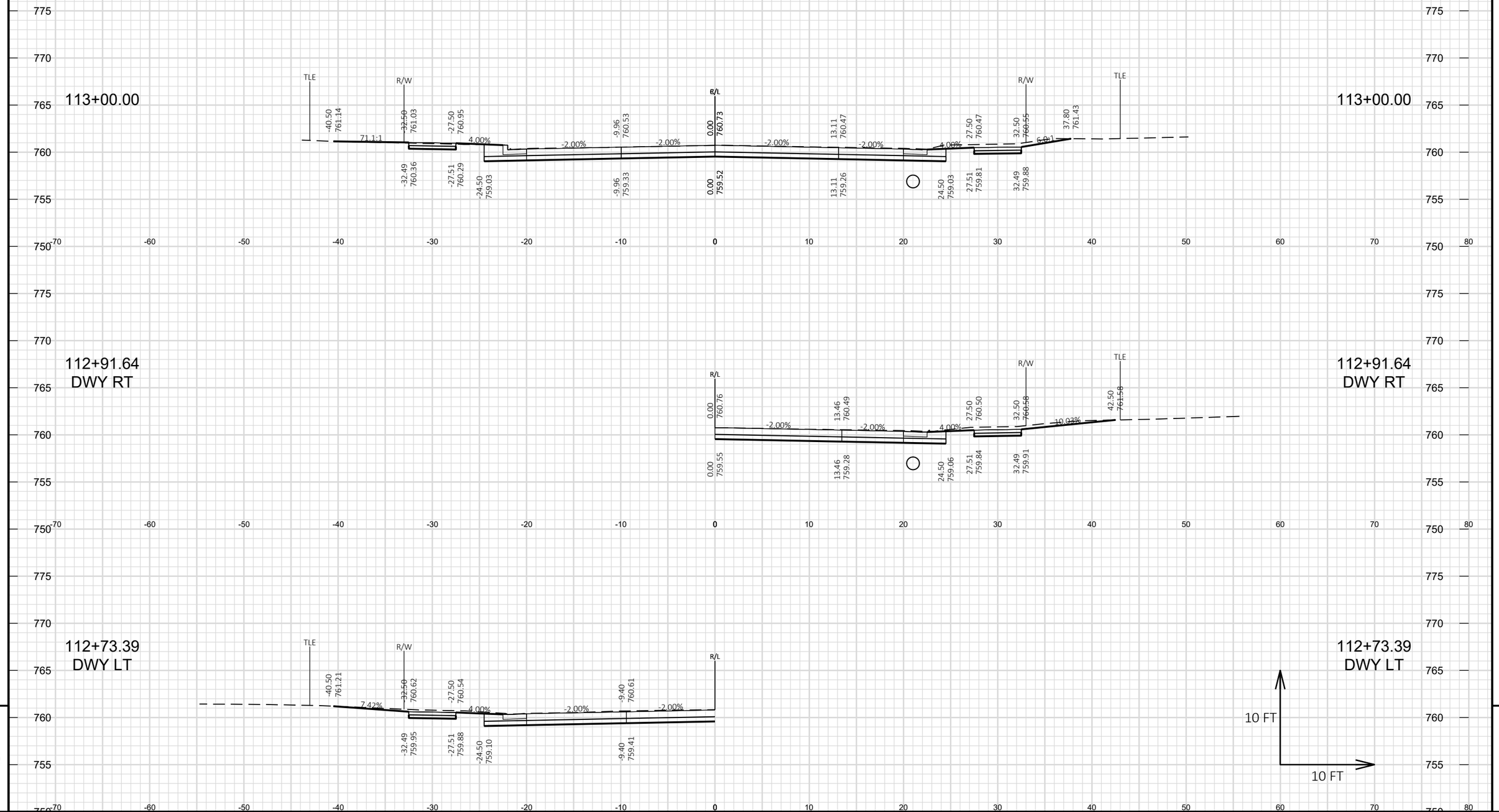
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 348 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 146-Racine

PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

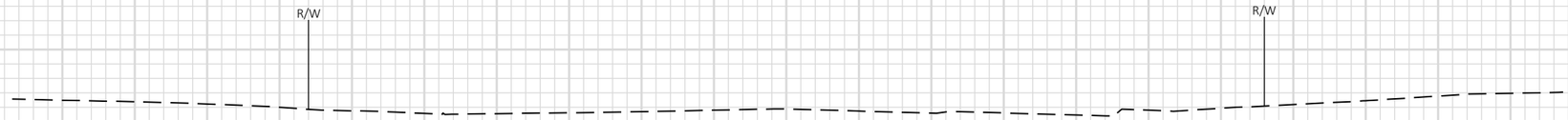
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 349	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 147-Racine

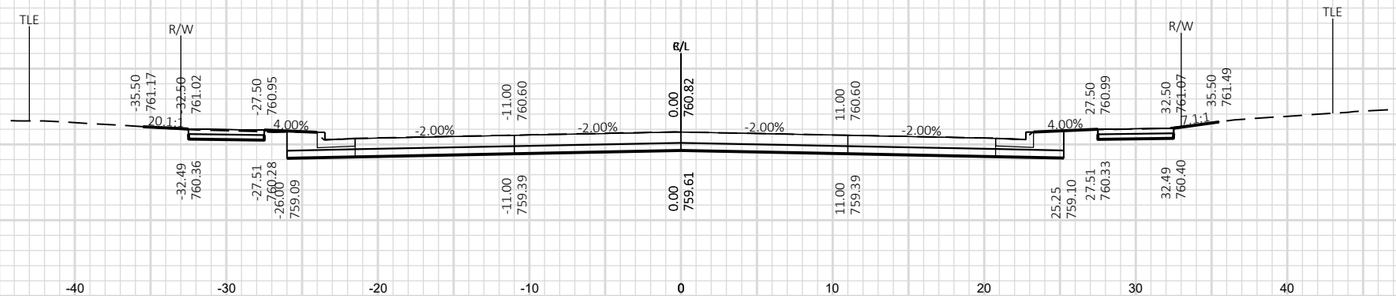
PLOT DATE : 7/30/2024 11:32 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

114+00.00

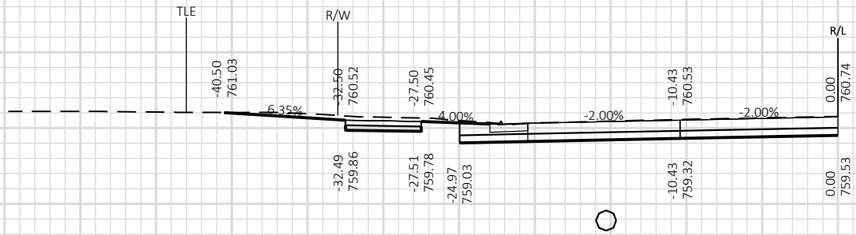


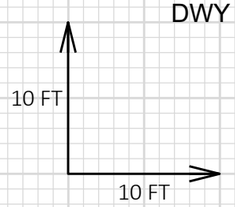
END PROJECT
RACINE STREET
STA 113+50.00

113+50.00



113+22.63
DWY LT





113+22.63
DWY LT

114+00.00

9

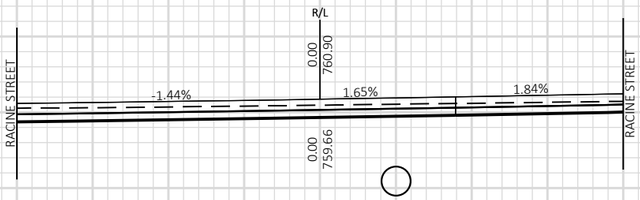
9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: RACINE STREET	SHEET 350 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 148-Racine
PLOT DATE : 7/30/2024 11:32 AM
PLOT BY : JEFF CHVOSTA
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

400+25.00

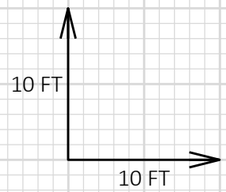
400+00.00



BEGIN CONSTRUCTION
FOURTH STREET
STA 400+00.00

400+25.00

400+00.00



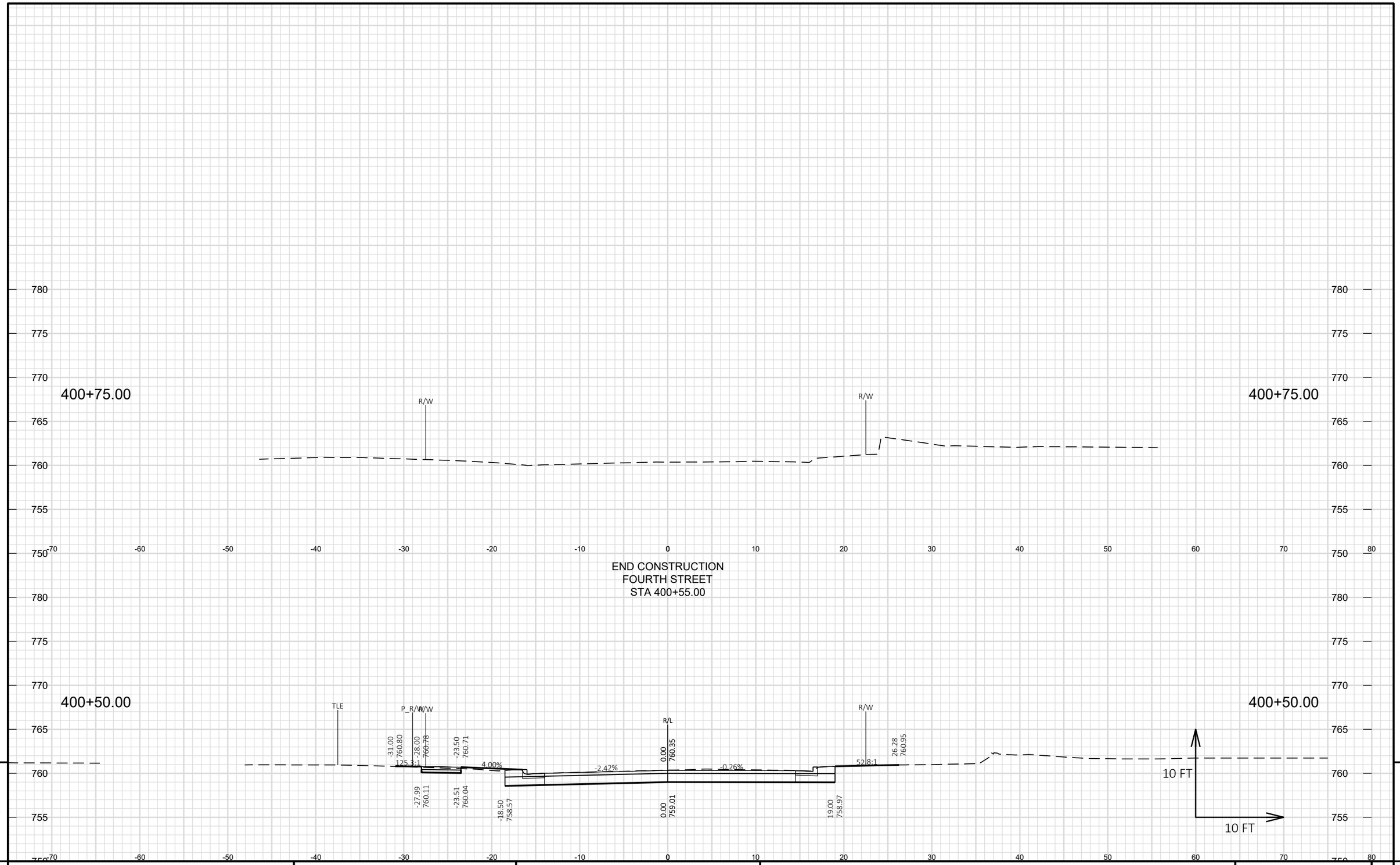
9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: FOURTH STREET	SHEET 351	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 400-Fourth

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

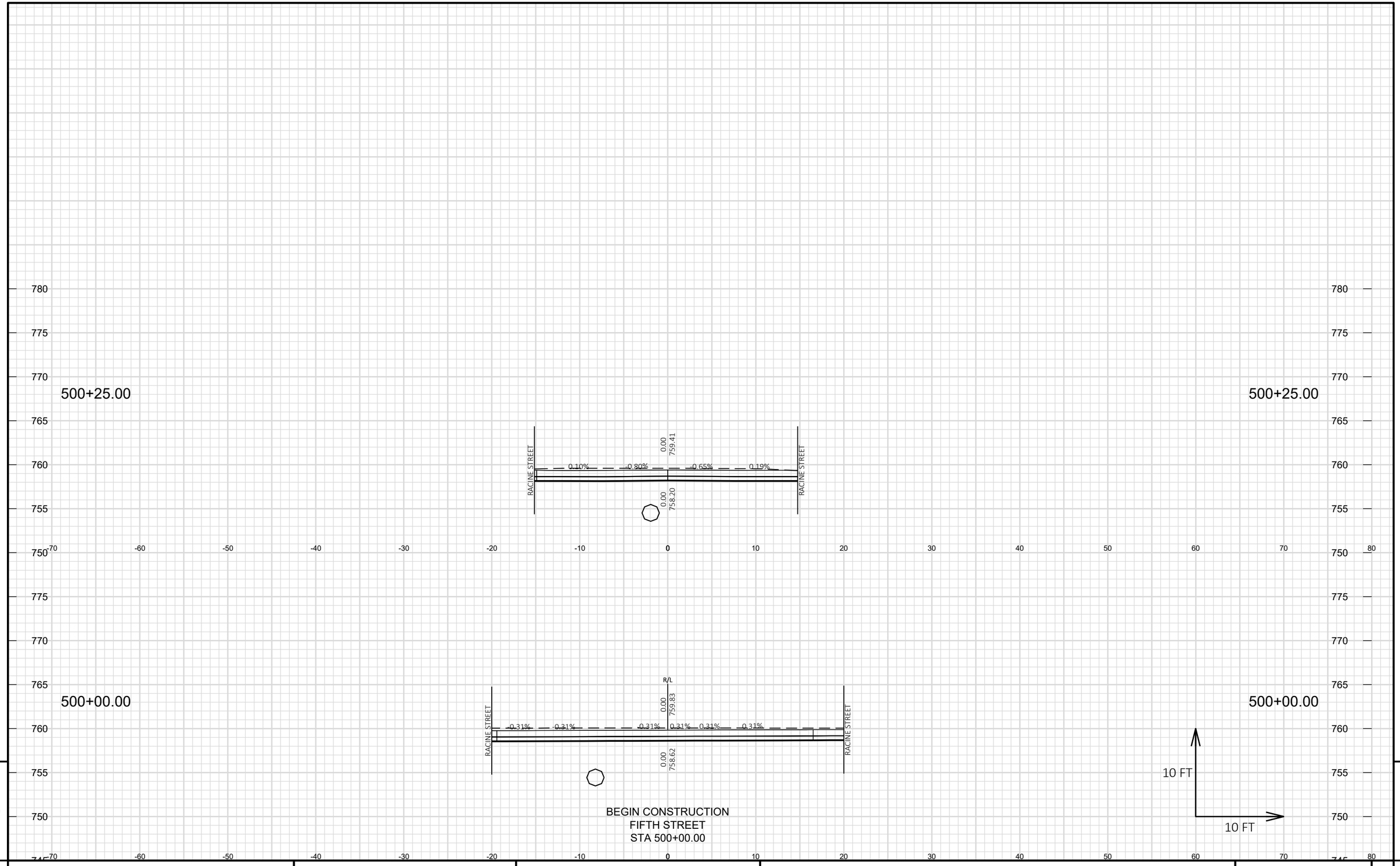
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: FOURTH STREET	SHEET 352 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 401-Fourth

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

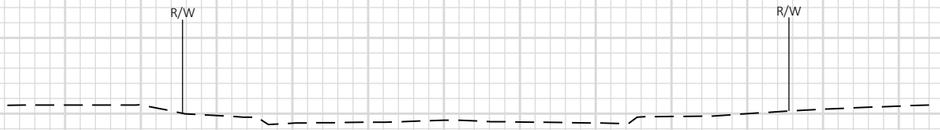
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: FIFTH STREET	SHEET 353	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 500-Fifth

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

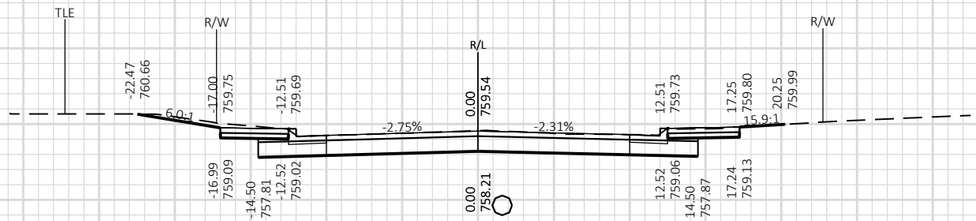
500+75.00



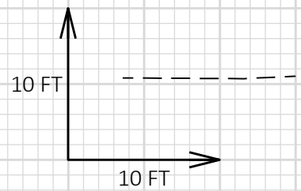
500+75.00

END CONSTRUCTION
FIFTH STREET
STA 500+55.00

500+50.00



500+50.00



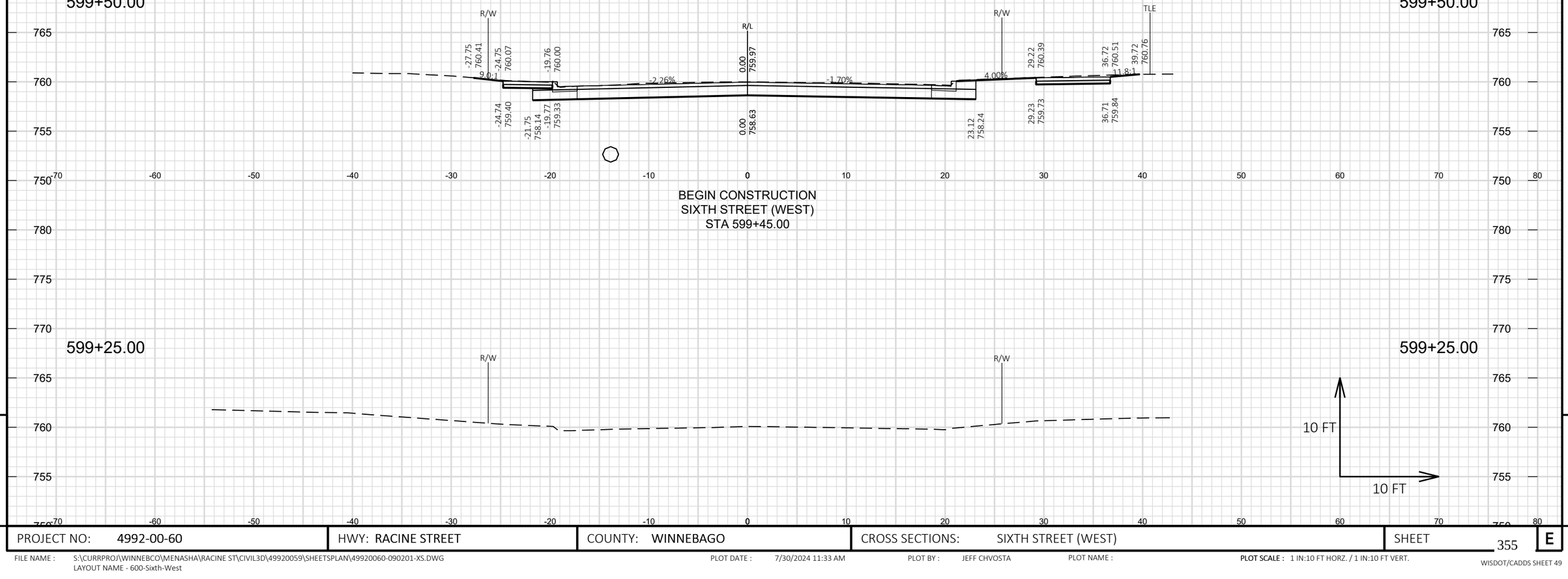
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: FIFTH STREET	SHEET 354 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 501-Fifth

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

599+50.00



BEGIN CONSTRUCTION
SIXTH STREET (WEST)
STA 599+45.00

599+25.00

9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SIXTH STREET (WEST)	SHEET 355	E

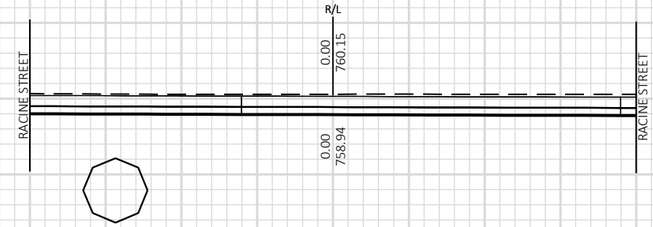
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 600-Sixth-West

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

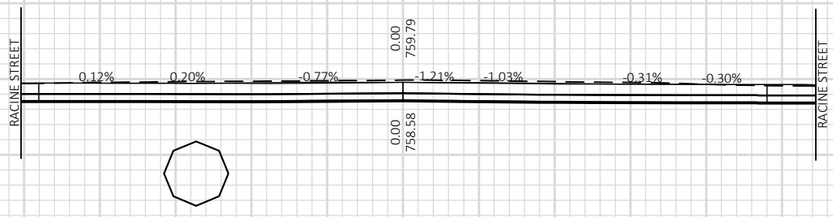
WISDOT/CADDS SHEET 49

END CONSTRUCTION
SIXTH STREET (WEST)
STA 600+00.00

600+00.00

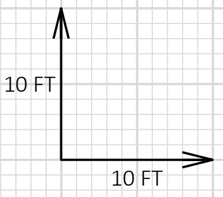


599+75.00



600+00.00

599+75.00



9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SIXTH STREET (WEST)	SHEET 356	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 601-Sixth-West

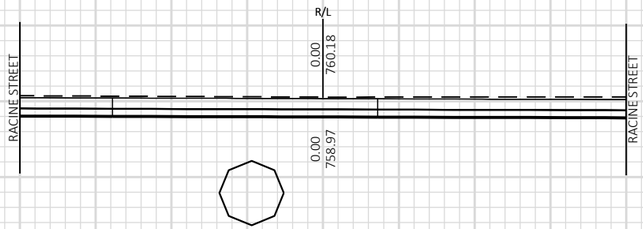
PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

600+25.00

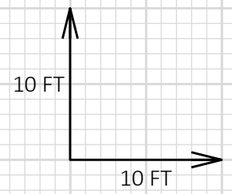
600+00.00



BEGIN CONSTRUCTION
SIXTH STREET (EAST)
STA 600+00.00

600+25.00

600+00.00



9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SIXTH STREET (EAST)	SHEET 357	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 650-Sixth-East

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

600+75.00

600+75.00

600+50.00

600+50.00

END CONSTRUCTION
SIXTH STREET (EAST)
STA 600+55.00

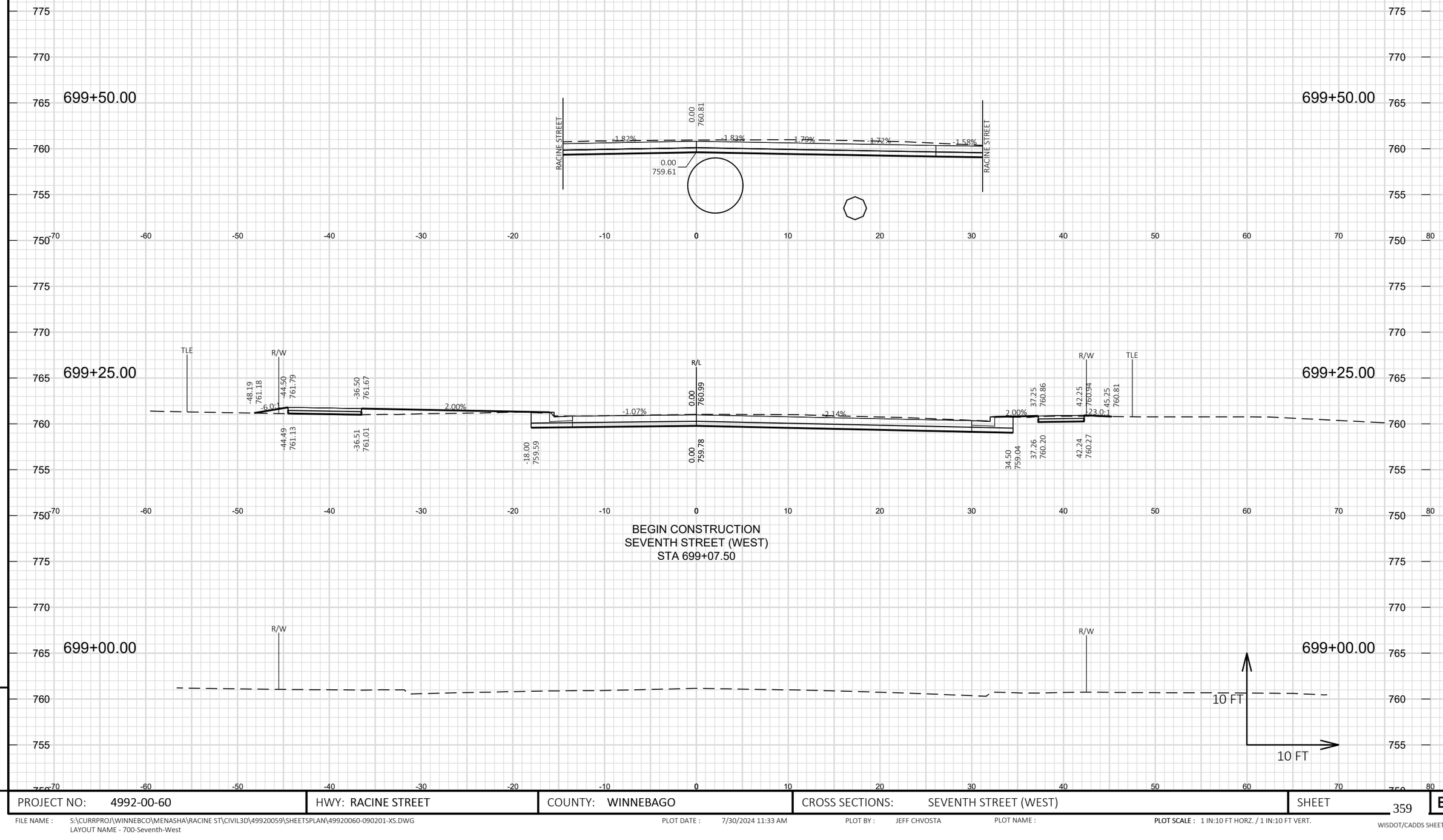
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SIXTH STREET (EAST)	SHEET 358 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 651-Sixth-East

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



BEGIN CONSTRUCTION
SEVENTH STREET (WEST)
STA 699+07.50

9

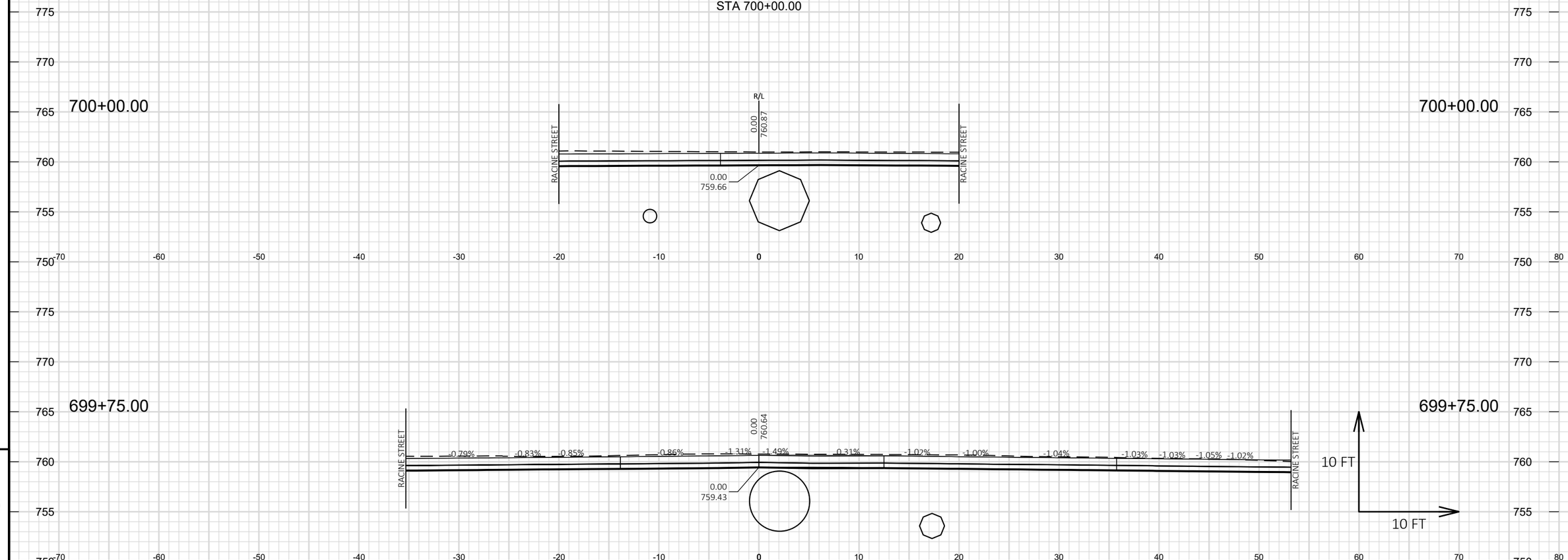
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SEVENTH STREET (WEST)	SHEET 359	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 700-Seventh-West

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

END CONSTRUCTION
SEVENTH STREET (WEST)
STA 700+00.00



9

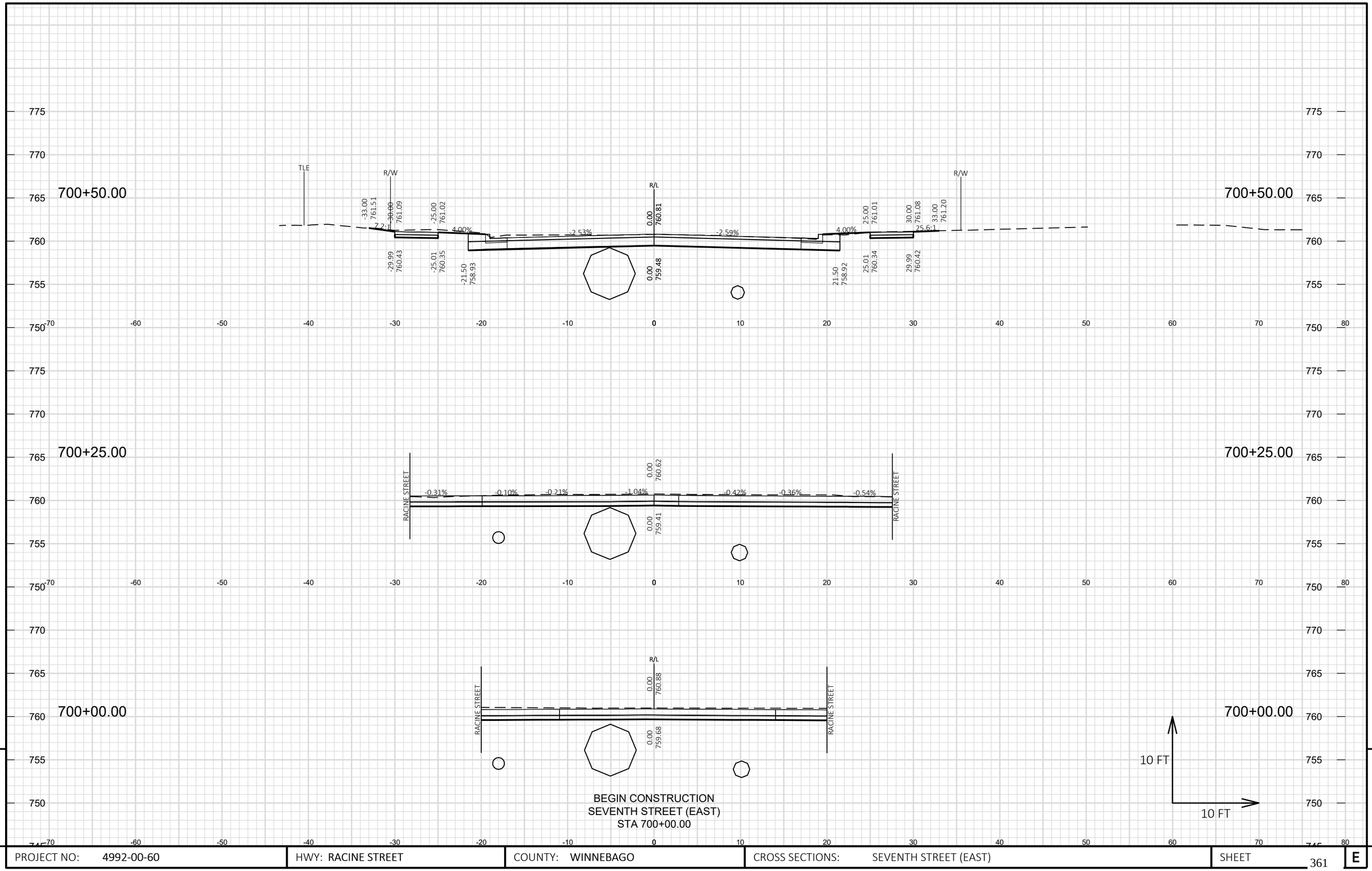
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SEVENTH STREET (WEST)	SHEET 360	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 701-Seventh-West

PLOT DATE : 7/30/2024 11:33 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

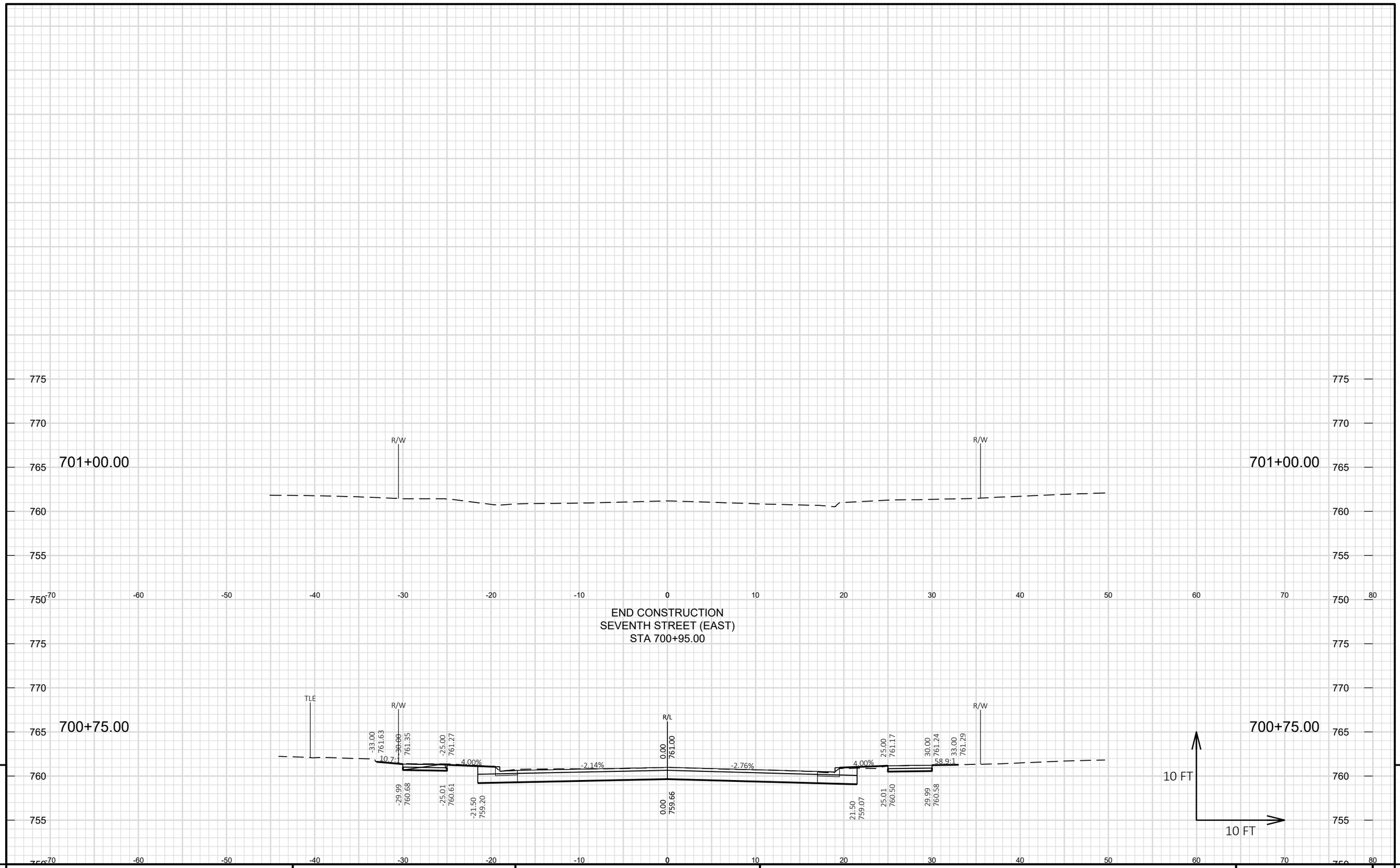
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PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SEVENTH STREET (EAST)	SHEET 361	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 750-Seventh-East

PLOT DATE : 7/30/2024 11:34 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

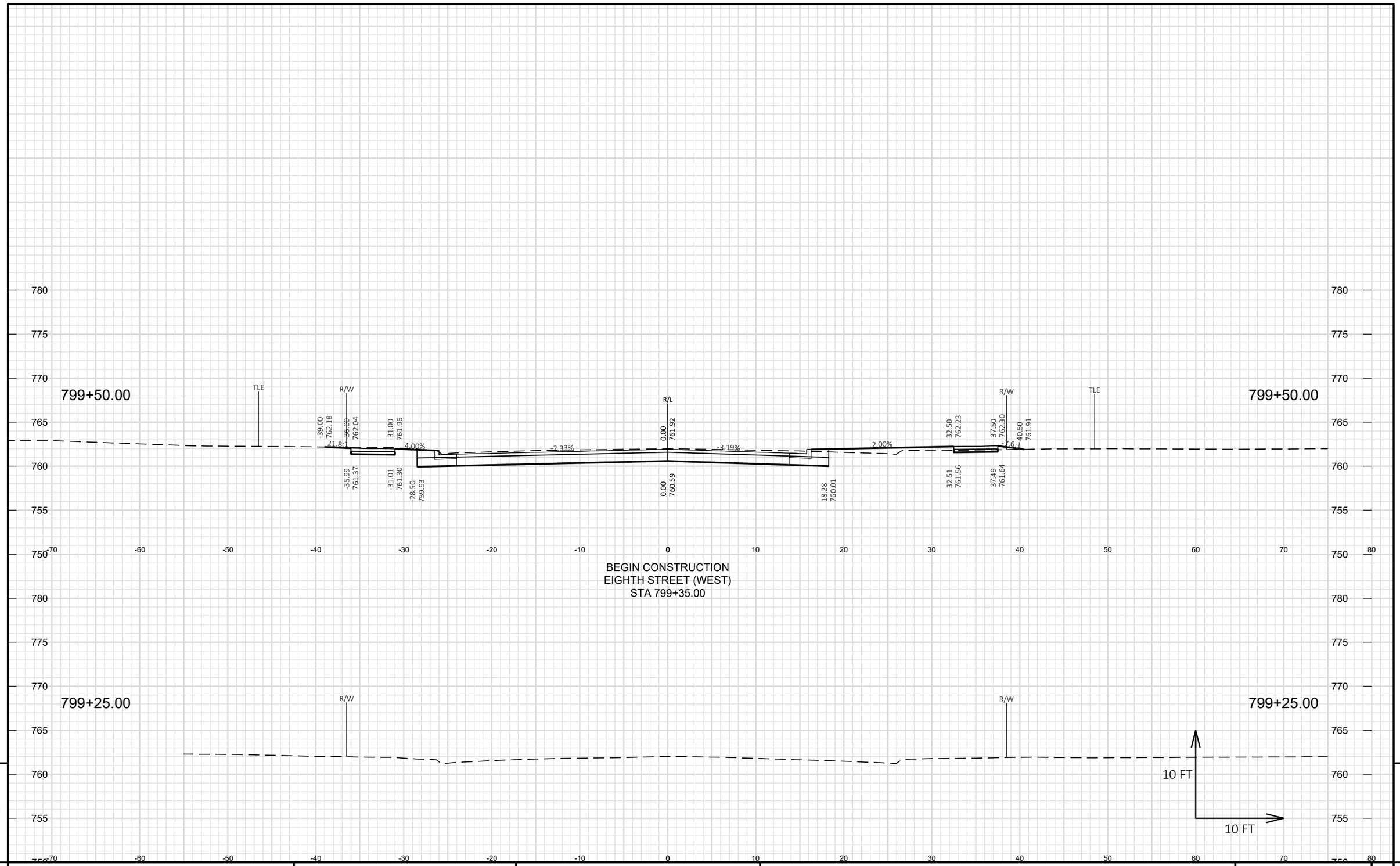


PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: SEVENTH STREET (EAST)	SHEET 362 E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 751-Seventh-East

PLOT DATE : 7/30/2024 11:34 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: EIGHTH STREET (WEST)	SHEET 363 E

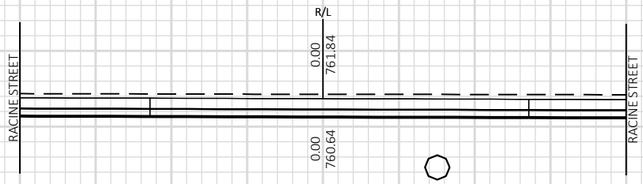
FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 800-Eighth-West

PLOT DATE : 7/30/2024 11:34 AM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

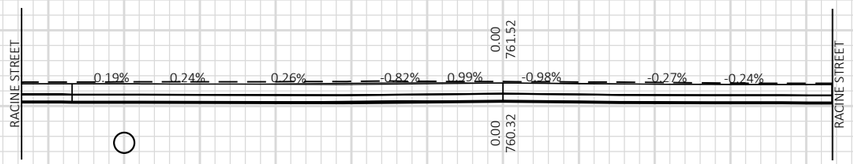
WISDOT/CADDS SHEET 49

END CONSTRUCTION
EIGHTH STREET (WEST)
STA 800+00.00

800+00.00

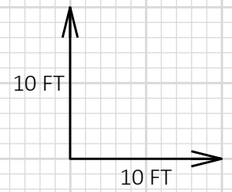


799+75.00



800+00.00

799+75.00



9

9

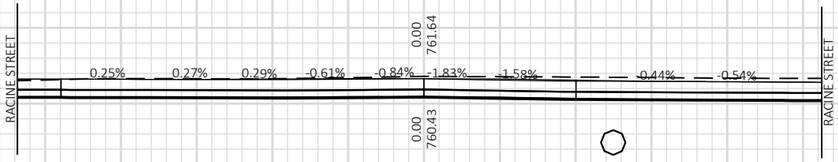
PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: EIGHTH STREET (WEST)	SHEET 364	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 801-Eighth-West

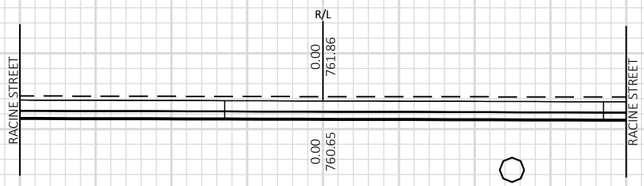
PLOT DATE : 7/30/2024 11:34 AM PLOT BY : JEFF CHVOSTA PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

800+25.00



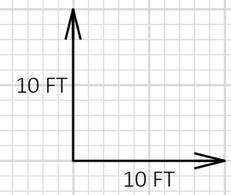
800+00.00



BEGIN CONSTRUCTION
EIGHTH STREET (EAST)
STA 800+00.00

800+25.00

800+00.00



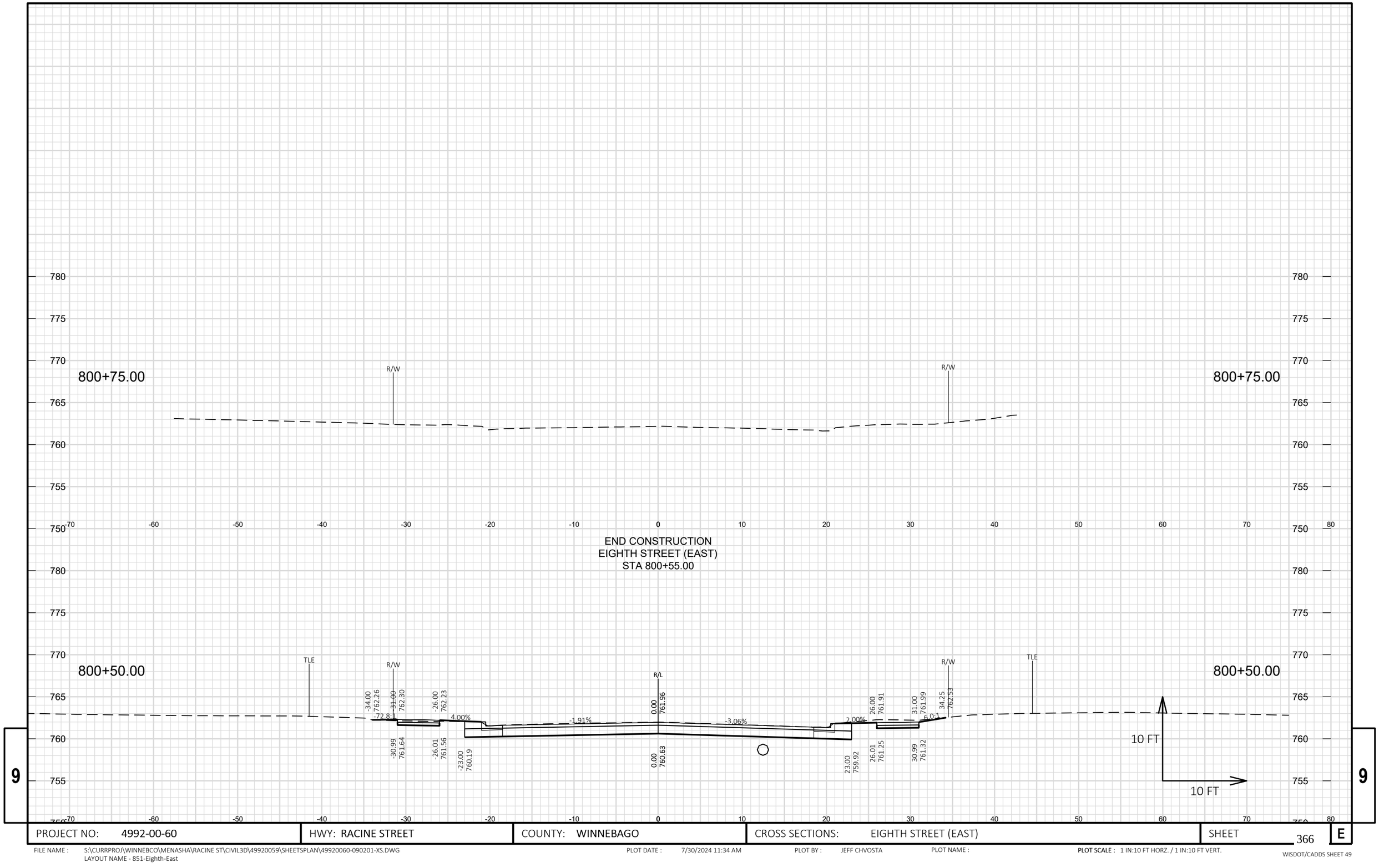
9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: EIGHTH STREET (EAST)	SHEET 365	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 850-Eighth-East

PLOT DATE : 7/30/2024 11:34 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



9

9

PROJECT NO: 4992-00-60	HWY: RACINE STREET	COUNTY: WINNEBAGO	CROSS SECTIONS: EIGHTH STREET (EAST)	SHEET 366	E

FILE NAME : S:\CURRPROJ\WINNEBCO\MENASHA\RACINE ST\CIVIL3D\49920059\SHEETSPLAN\49920060-090201-XS.DWG
LAYOUT NAME - 851-Eighth-East

PLOT DATE : 7/30/2024 11:34 AM PLOT BY : JEFF CHVOSTA PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov