MAD

PROJECT ID: 5990-02-41/5990-02-42

WITH: N/A

COUNTY: ROCK

NOVEMBER 2025

ORDER OF SHEETS

TOTAL SHEETS = 212

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

CITY OF JANESVILLE, RUGER AVENUE

(S RANDALL AVE TO S LEXINGTON DR)

LOCAL STREET
ROCK COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
5990-02-41	WISC 2026064	1
5990-02-42	—	—

STATE PROJECT NUMBER	STATE PROJECT NUMBER
5990-02-41	5990-02-42
ROADWAY	LOCAL UTILITIES

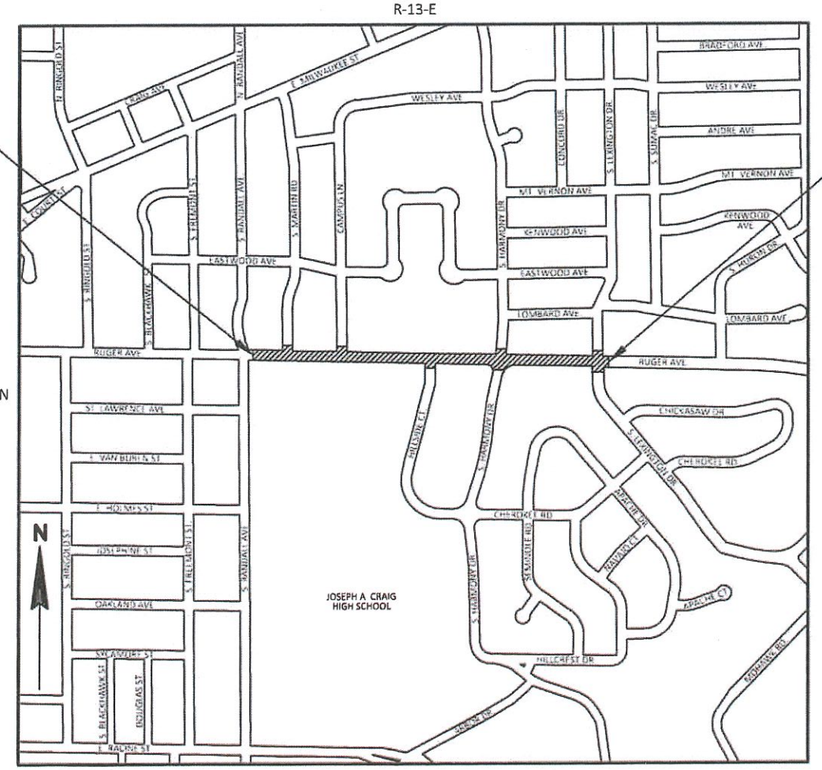
N

BEGIN PROJECT 5990-02-41
STA. 102+13.00
Y = 270,347.19
X = 498,710.81

END PROJECT 5990-02-41
STA. 126+05.00

R-13-E

T-3-N



LAYOUT

SCALE 0 1,000 FT.

TOTAL NET LENGTH OF CENTERLINE = 0.453 MILE

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYTEM (WCCS), ROCK COUNTY, NAD 83 (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.

DESIGN DESIGNATION 5990-02-41

A.A.D.T.	(2026)	=	3,900
A.A.D.T.	(2046)	=	4,200
D.H.V.		=	550
D.D.		=	59/41
T		=	5.8%
DESIGN SPEED		=	30 MPH
ESALS		=	386,900

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 (300'28")
- 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 (995.36)
- 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

ACCEPTED FOR

CITY OF JANESVILLE

Date 7/17/25 Brad Funk City Engineer
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

MSA
1702 Pankratz Street, Madison, WI 53704
608-242-7779 1-800-445-0679 Fax: 608-242-5664

WISCONSIN CHAD D. WAGNER E-45546 MADISON WI PROFESSIONAL ENGINEER

DATE: 7/14/25 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	MSA PROFESSIONAL SERVICES, INC.
Designer	MSA PROFESSIONAL SERVICES, INC.
Project Manager	ZACH PEARSON
Regional Examiner	SW REGION
Regional Supervisor	KYLE HEMP

APPROVED FOR THE DEPARTMENT

DATE: 07/21/25 ZACHARY PEARSON (Signature)

E

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 AREA THAT ARE NOT SHOWN.

THE REMOVAL OF CONCRETE DRIVEWAY APRONS SHALL BE MEASURED AND PAID FOR AS 'REMOVING CONCRETE PAVEMENT'.

ALL RETAINING WALLS WITHIN THE PROJECT LIMITS ARE TO REMAIN.

TYPICAL FINISHED SECTIONS SHOW THE GENERAL ROADWAY FEATURES THROUGHOUT THE PROJECT. PAVEMENT SLOPES, SLOPE INTERCEPTS, ETC., MAY VARY WITHIN THE STATION LIMITS OF EACH SECTION.

GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

EARTHWORK CUT MATERIAL SHOWN ON THE EARTHWORK SUMMARY SHALL BE HAULED FROM THE PROJECT, EXCEPT AS DIRECTED BY ENGINEER.

PROOF ROLLING OF SUBGRADE IS REQUIRED BEFORE PLACEMENT OF BASE AGGREGATE AND IS INCIDENTAL TO EXCAVATION COMMON. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

THE EROSION CONTROL FEATURES ARE SHOWN ON THE PLAN AND ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE OF CONSTRUCTION OPERATIONS AND MAINTAINED AS DETERMINED BY THE ENGINEER.

ALL DISTURBED GRASS AREAS SHALL BE COVERED WITH TOPSOIL, FERTILIZER AND SOD AS SHOWN IN THE EROSION CONTROL DETAILS. PAYMENT FOR RESTORATION WILL ONLY BE FOR AREAS SHOWN ON THE PLANS WITHIN THE SLOPE INTERCEPTS.

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

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

OFFSETS FOR INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF STRUCTURE. STORM SEWER PIPE LENGTHS ARE TO CENTER OF STRUCTURES.

ELEVATIONS SHOWN ON THE STORM SEWER SHEETS ARE AT THE FLANGE OF THE CASTING. A MINIMUM 6" OF ADJUSTMENT RINGS ARE REQUIRED UNLESS OTHERWISE NOTED.

SEE SUBSURFACE EXPLORATION REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM KARISSA CHAPMAN AT THE CITY OF JANESVILLE (PHONE: 608-755-3163).

INDEX OF TYPICAL SECTIONS AND DETAIL SHEETS

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	.16	.22	.12	.20	.27	.15	.24	.33	.19	.28	.38
	.22	.30	.38	.26	.34	.44	.30	.37	.50	.34	.41	.56
MEDIAN STRIPTURF:	.19	.20	.24	.19	.22	.26	.20	.23	.30	.20	.25	.30
	.24	.26	.30	.25	.28	.33	.26	.30	.37	.27	.32	.40
SIDE SLOPETURF:			.25			.27			.28			.30
			.32			.34			.36			.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 = 4.08 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 3.35 ACRES

DESIGN CONTACTS

CITY OF JANESVILLE
ATTN: KARISSA CHAPMAN
18 N. JACKSON STREET
JANESVILLE, WI 53548
PHONE: (608) 755-3163
E-MAIL: chapmank@ci.janesville.wi.us

WISCONSIN DEPARTMENT OF TRANSPORTATION
LOCAL PROGRAM MANAGEMENT
ATTN: ZACH PEARSON
2101 WRIGHT STREET
MADISON, WI 53704
PHONE: (608) 246-5319
E-MAIL: zachary.pearson@dot.wi.gov

MSA PROFESSIONAL SERVICES
ATTN: BRIAN HUIBREGTSE
1702 PANKRATZ STREET
MADISON, WI 53704
PHONE: (608) 242-6650
E-MAIL: bhuibregtse@msa-ps.com

ATTN: CHAD WAGNER
1702 PANKRATZ STREET
MADISON, WI 53704
PHONE: (608) 242-6651
E-MAIL: cwagner@msa-ps.com

DNR LIAISON

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
ATTN: RYAN PAPPAS
1027 W. ST. PAUL AVENUE
MILWAUKEE, WI 53233-2641
PHONE: (920) 893-8529
E-MAIL: ryan.pappas@wisconsin.gov

UTILITIES

ELECTRIC:
ALLIANT ENERGY
ATTN: JOE SHIRCEL
3730 KENNEDY ROAD
JANESVILLE, WI 53545
PHONE: (608) 757-7514
E-MAIL: joesephshircel@alliantenergy.com

GAS:
ALLIANT ENERGY
ATTN: JOE SHIRCEL
3730 KENNEDY ROAD
JANESVILLE, WI 53545
PHONE: (608) 757-7514
E-MAIL: joesephshircel@alliantenergy.com

TELECOMMUNICATIONS:
AT&T WISCONSIN
ATTN: GARRETT BARTH
70 E DIVISION ST
FOND DU LAC, WI 54935
PHONE: (920) 957-0327
E-MAIL: gb1789@att.com

SANITARY SEWER:
CITY OF JANESVILLE
ATTN: CRAIG THIESENHUSEN
123 E. DELEVAN DRIVE
JANESVILLE, WI 53545
PHONE: (608) 373-3471
E-MAIL: thiesenhusenc@ci.janesville.wi.us

WATERMAIN:
CITY OF JANESVILLE
ATTN: CRAIG THIESENHUSEN
123 E. DELEVAN DRIVE
JANESVILLE, WI 53545
PHONE: (608) 373-3471
E-MAIL: thiesenhusenc@ci.janesville.wi.us

TELECOMMUNICATIONS:
SEGRA
ATTN: JEREMY JENSEN
PHONE: (816) 534-0303
E-MAIL: jeremy.jensen@segrafiber.com

TELECOMMUNICATIONS:
SPECTRUM
ATTN: CHRIS NILES
1348 PLAINFIELD AVENUE
JANESVILLE, WI 53545
PHONE: (608) 289-9089
E-MAIL: christopher.niles@charter.com

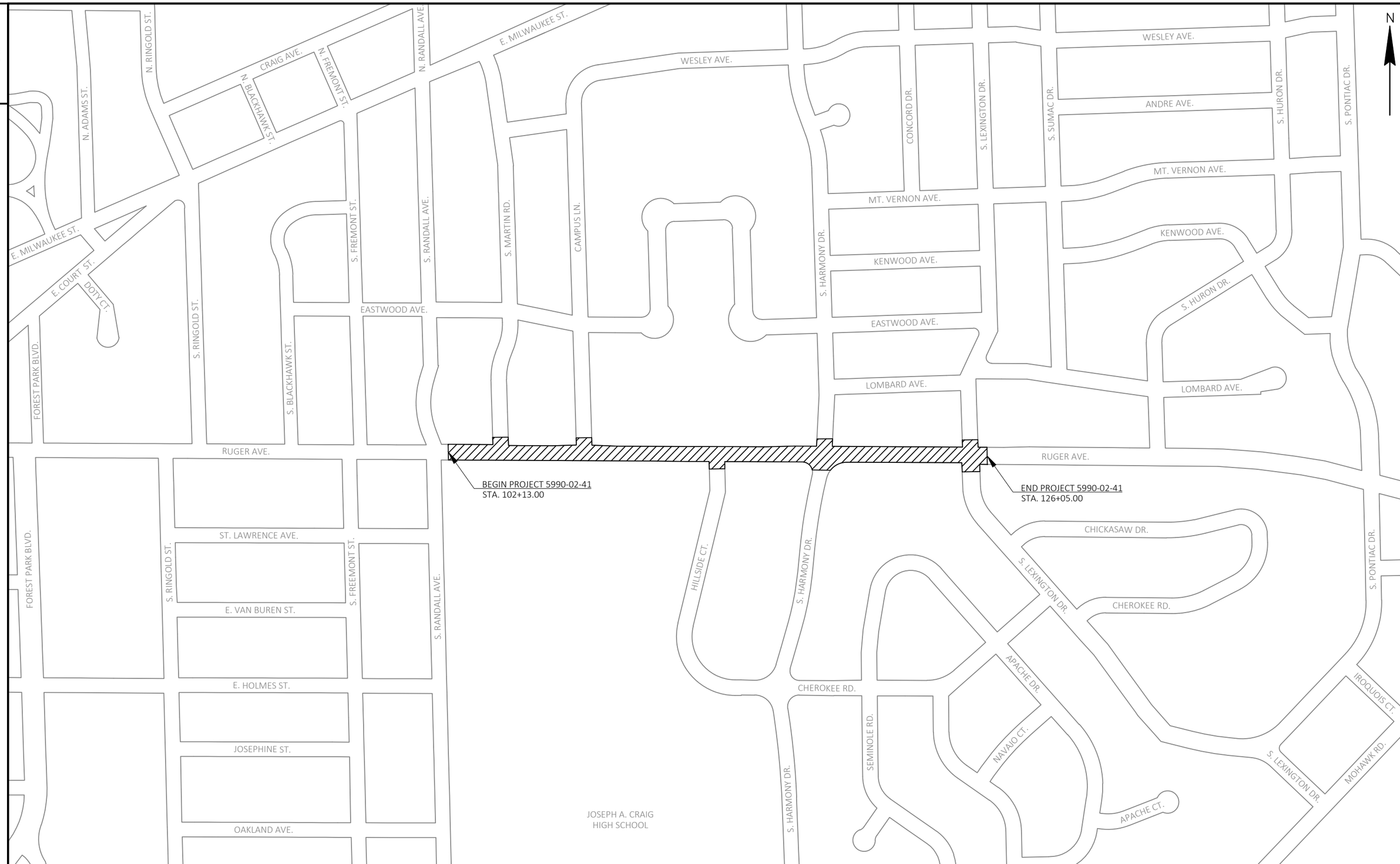
TELECOMMUNICATIONS:
TDS METROCOM, LLC.
ATTN: GLEN CAMPBELL
16924 W. VICTOR ROAD
NEW BERLIN, WI 53151
PHONE: (608) 644-5143
E-MAIL: glen.campbell@tdstelecom.com

**DENOTES UTILITIES THAT ARE NOT DIGGERS HOTLINE MEMBERS

STANDARD ABBREVIATIONS

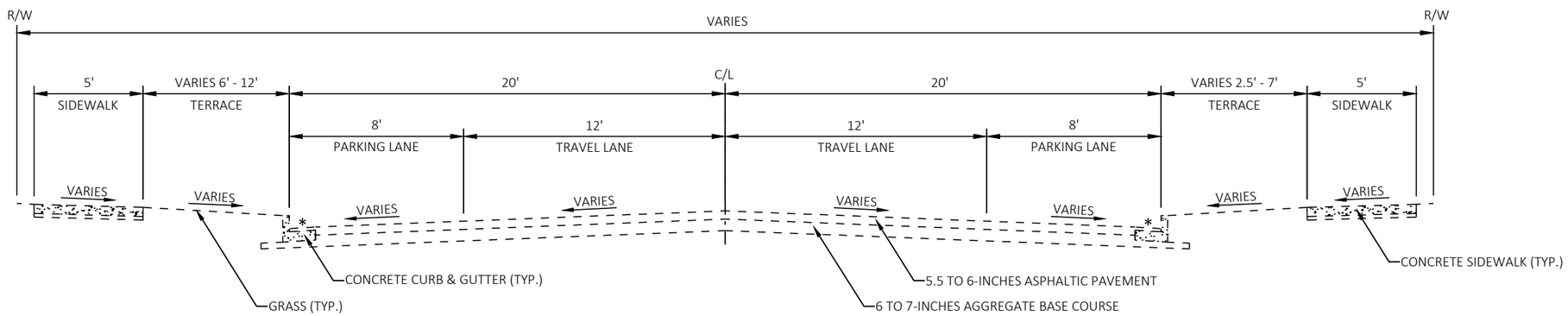
AC	ACRES
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
AVE	AVENUE
BK	BACK
BLK	BLOCK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
C/L	CENTERLINE
Δ	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CP	CONTROL POINT
CSM	CERTIFIED SURVEY MAP
D	DEGREE OF CURVE
DIA	DIAMETER
E	EAST
EB	EASTBOUND
ET AL	AND OTHERS
EW	ENDWALL
EXIST	EXISTING
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
HYD	HYDRANT
IN	INCH
INL	INLET
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LF	LINEAL FEET
LC	LONG CHORD
LCB	LONG CHORD BEARING
LP	LOW POINT
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
PB	PULLBOX
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT
PT	POINT OF TANGENCY
PL	PROPERTY LINE
PLE	PERMANENT LIMITED EASEMENT
POB	POINT OF BEGINNING
R	RADIUS
R	RANGE
RCP	REINFORCED CONCRETE PIPE
REQ'D	REQUIRED
RL or R/L	REFERENCE LINE
RP	RADIUS POINT
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
SAN	SANITARY SEWER
S	SOUTH
SB	SOUTHBOUND
SL	SPECIAL LOGO
SQ	SQUARE
STD	STANDARD
SEC	SECTION
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
ST	STREET
STA	STATION
STM	STORM SEWER
STR	STRUCTURE
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
T or TN	TOWN
TYP	TYPICAL
UD	UNDERDRAIN
WM	WATERMAIN
WV	WATER VALVE
W	WEST
WB	WESTBOUND
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

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



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PROJECT OVERVIEW	SHEET 3	E

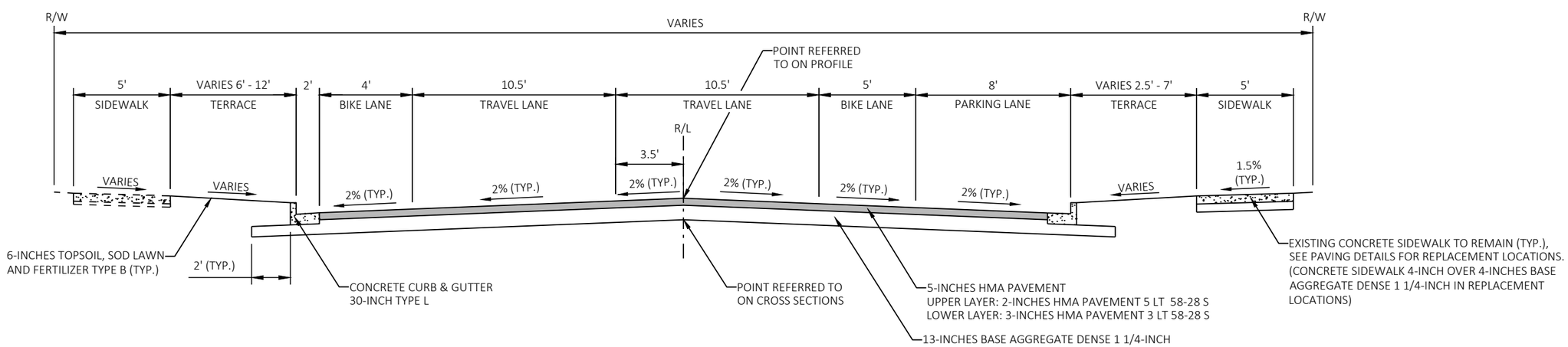
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po
PLOT DATE : 7/23/2025 10:48 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : NONE
WISDOT/CADDS SHEET 42



∗ NO ASPHALTIC PAVEMENT OVERLAY ON CONCRETE CURB & GUTTER FROM STA. 102+13 - STA. 111+27

EXISTING TYPICAL SECTION - RUGER AVENUE

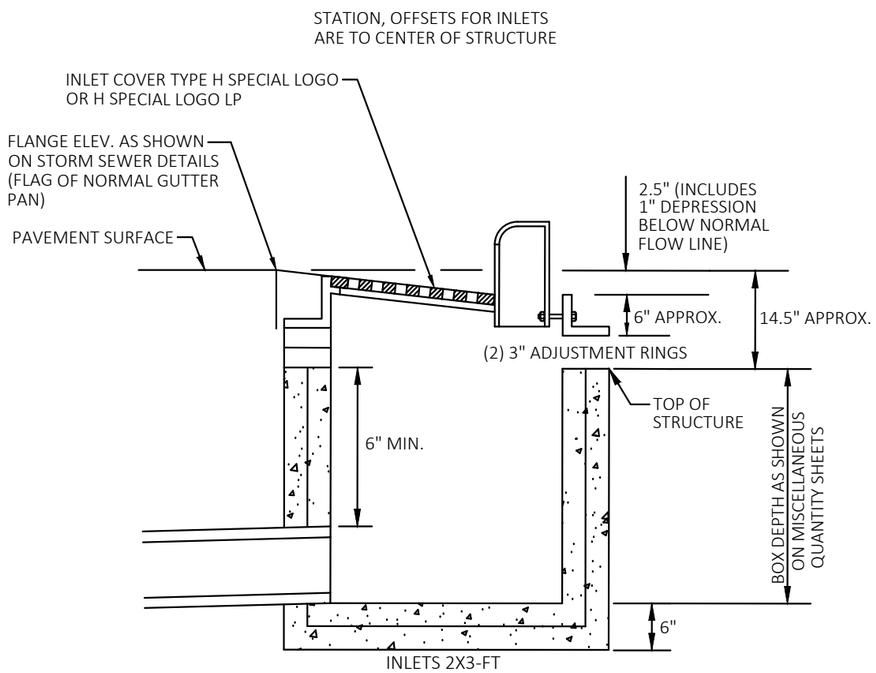
S. RANDALL AVENUE TO S. LEXINGTON DRIVE
(STA. 102+13 - STA. 126+05)



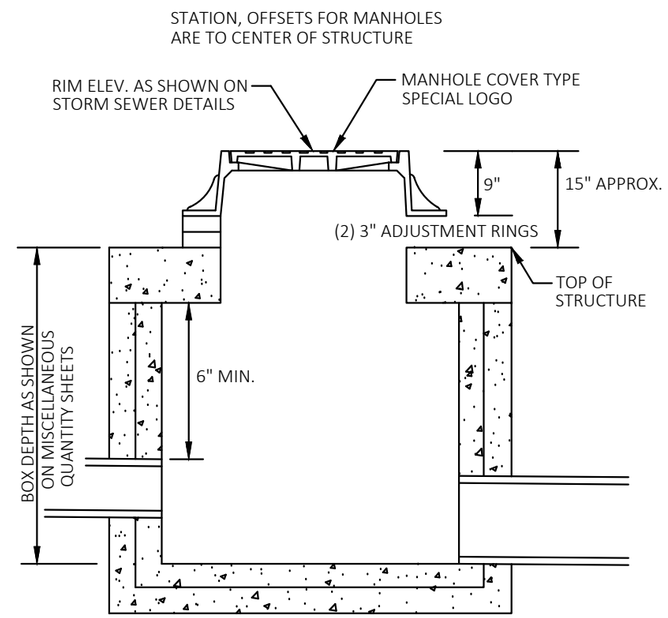
NOTE: ALL DISTURBED AREAS BEHIND THE SIDEWALK SHALL BE RESTORED WITH 6-INCHES TOPSOIL, SOD LAWN AND FERTILIZER TYPE B.

FINISHED TYPICAL SECTION - RUGER AVENUE

S. RANDALL AVENUE TO S. LEXINGTON DRIVE
(STA. 102+13 - STA. 126+05)



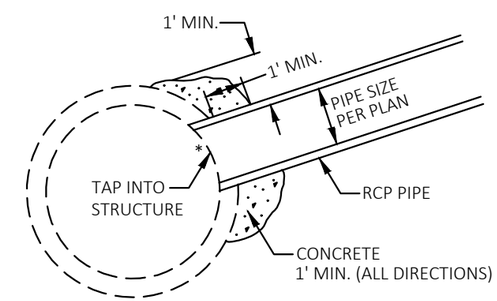
DETAIL FOR COMPUTING INLET ELEVATIONS



DETAIL FOR COMPUTING MANHOLE ELEVATIONS

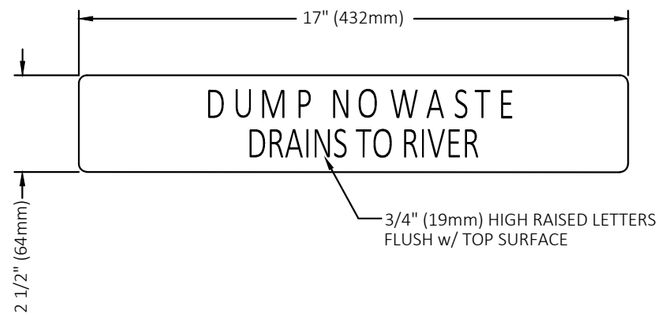
NOTE: CONCRETE INCIDENTAL TO
INSTALLATION OF STORM SEWER PIPE

* NO PIPE TO PROTRUDE INTO MANHOLE

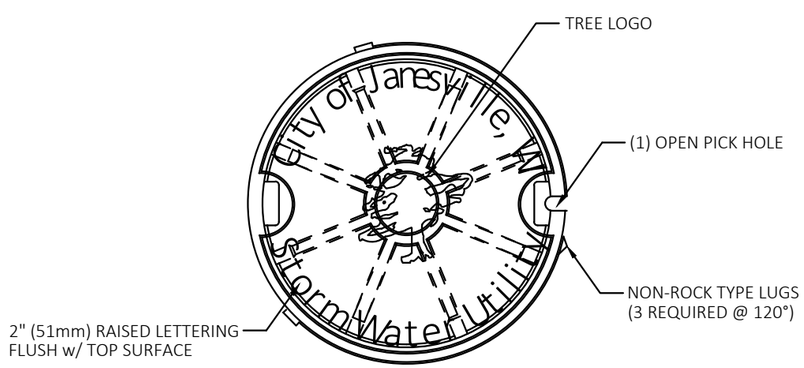


PLAN VIEW

MANHOLE CONNECTION DETAIL

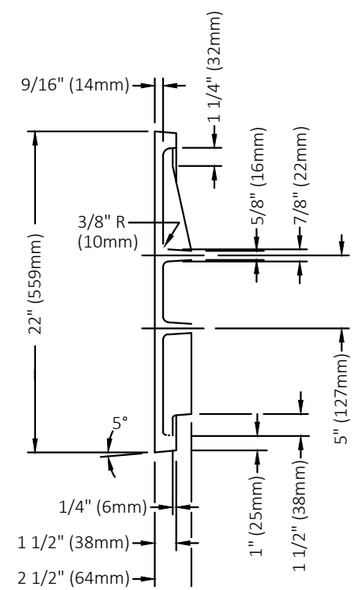


INLET COVER TYPE H SPECIAL LOGO (SL) DETAIL



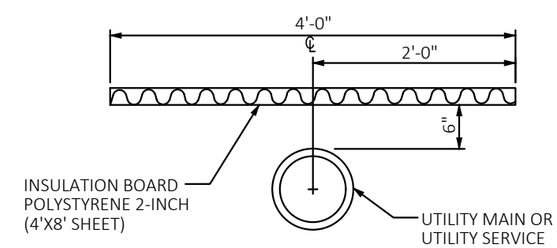
	WATER	SANITARY	STORM
FRAME	R-1710-NR	R-1710-NR	R-1710-NR
COVER	N1090-1092	N1090-1091	N1090-1093

ALL FRAMES AND COVERS ARE MANUFACTURED BY NEENAH FOUNDRY

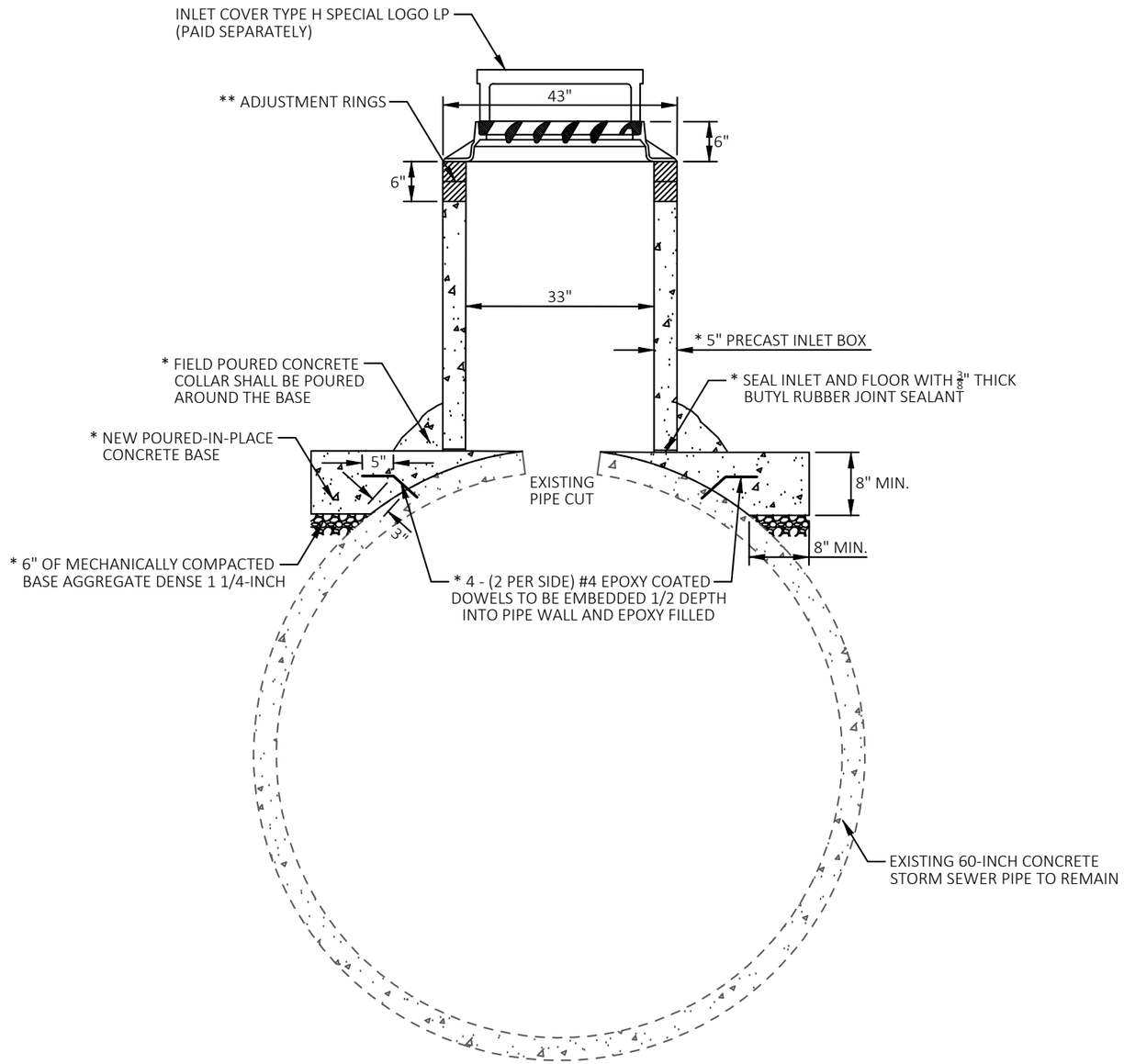


NOTE: ALL DIMENSIONS SHOWN ARE IN ENGLISH AND [METRIC]
MATERIAL: CAST GRAY IRON ASTM A-48, CLASS 35B
FINISH: NO PAINT
WEIGHT: 95#

MANOLE COVER TYPE SPECIAL LOGO (SL) DETAIL

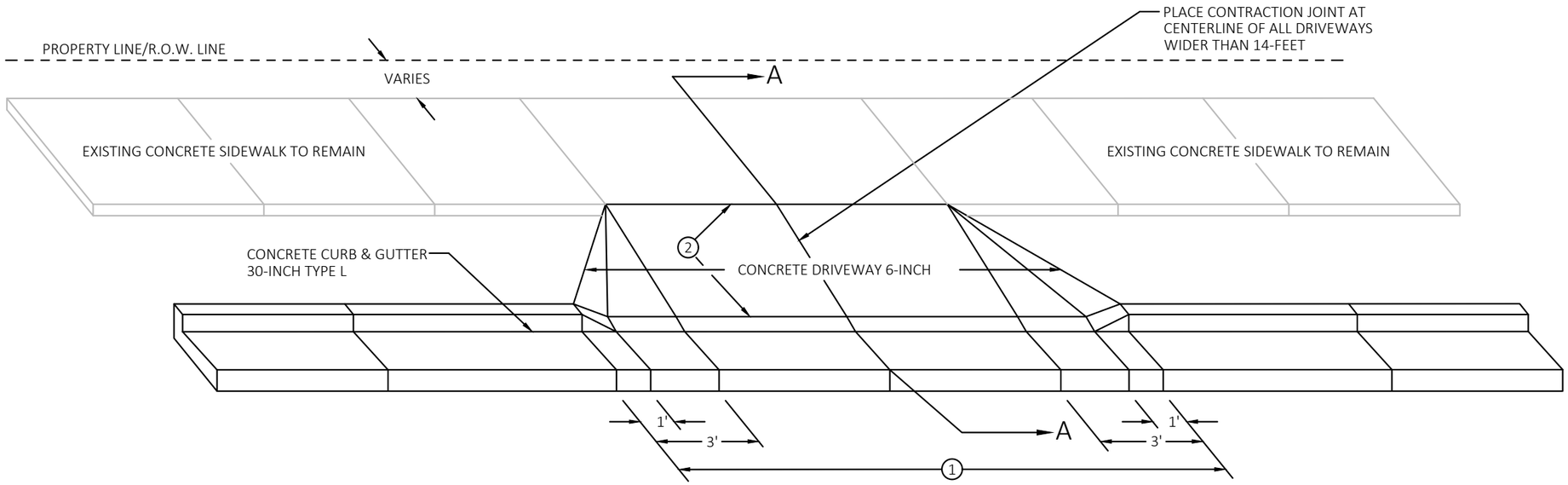


PIPE INSULATION DETAIL



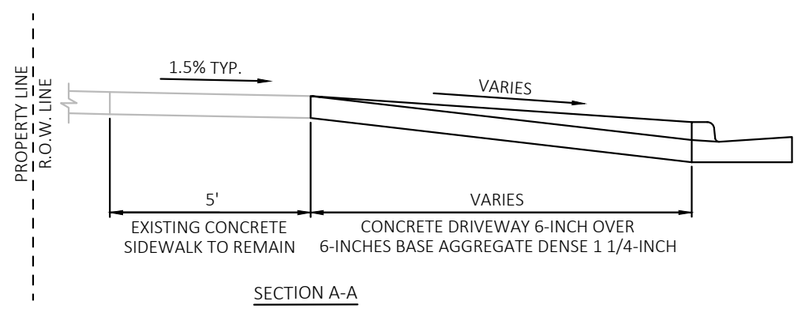
* INCIDENTAL TO 'SADDLE INLET' BID ITEM
** INCIDENTAL TO 'INLET COVER TYPE H SPECIAL LOGO LP' BID ITEM

SADDLE INLET DETAIL
STA. 114+93, LT



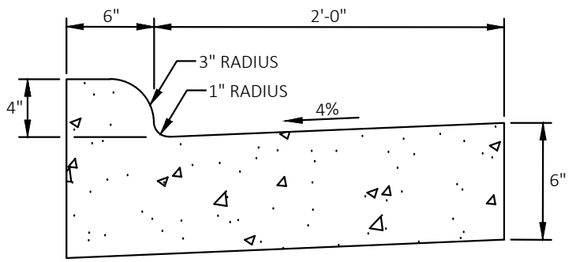
1 30' MAX. RESIDENTIAL, 1 OR 2 CAR GARAGE
36' MAX. RESIDENTIAL, 3 CAR GARAGE
36' MAX. OTHER THAN RESIDENTIAL

2 1/2-INCH EXPANSION JOINT MATERIAL



SECTION A-A

DRIVEWAY APPROACH DETAIL

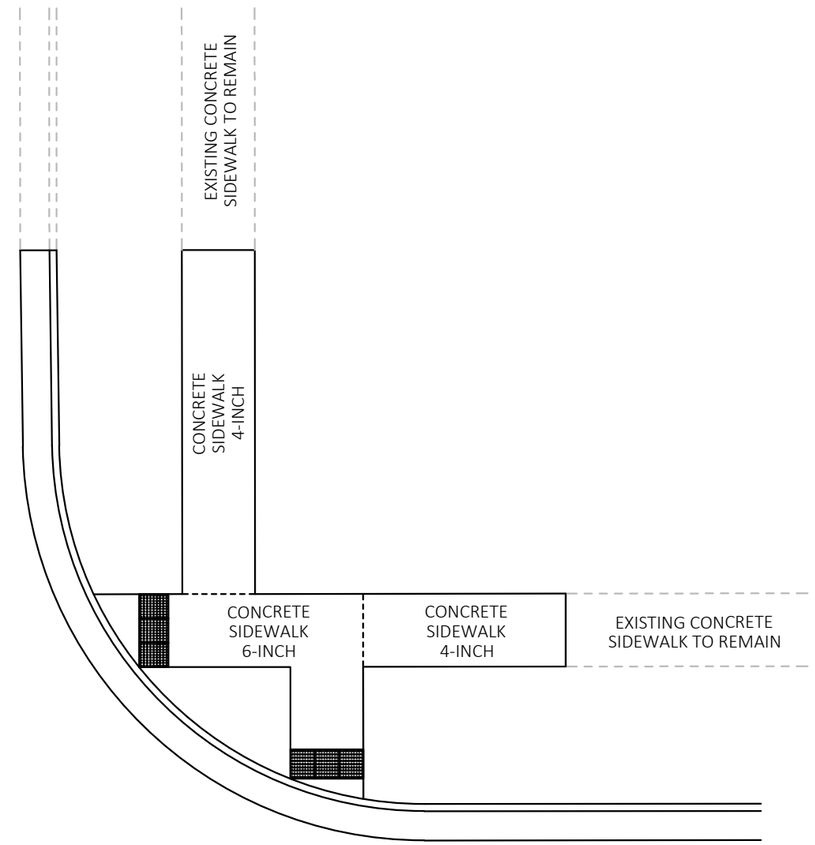


NOTES:

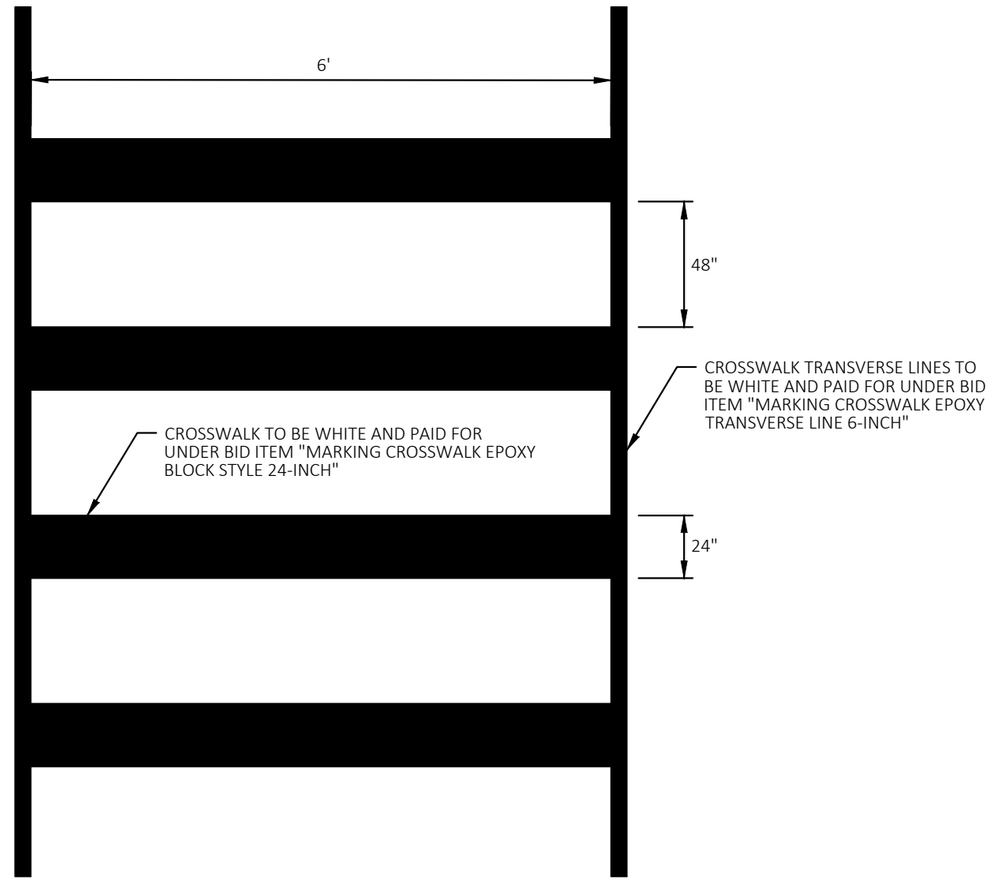
1. TRANSITION FROM 6-INCH TO 4-INCH CURB HEAD HEIGHT IS PAID FOR AS 'CONCRETE CURB & GUTTER 30-INCH TYPE L SPECIAL (4-INCH CURB HEAD HEIGHT)'.
2. IF NOT SHOWN DIFFERENTLY IN PAVING DETAILS, CONSTRUCT CURB & GUTTER WITH 6-INCH CURB HEAD HEIGHT.

CONCRETE CURB & GUTTER 30-INCH TYPE L SPECIAL (4-INCH CURB HEAD HEIGHT) DETAIL

STA. 125+07 - STA. 125+17, RT.



CONCRETE SIDEWALK 6-INCH PAY LIMITS DETAIL

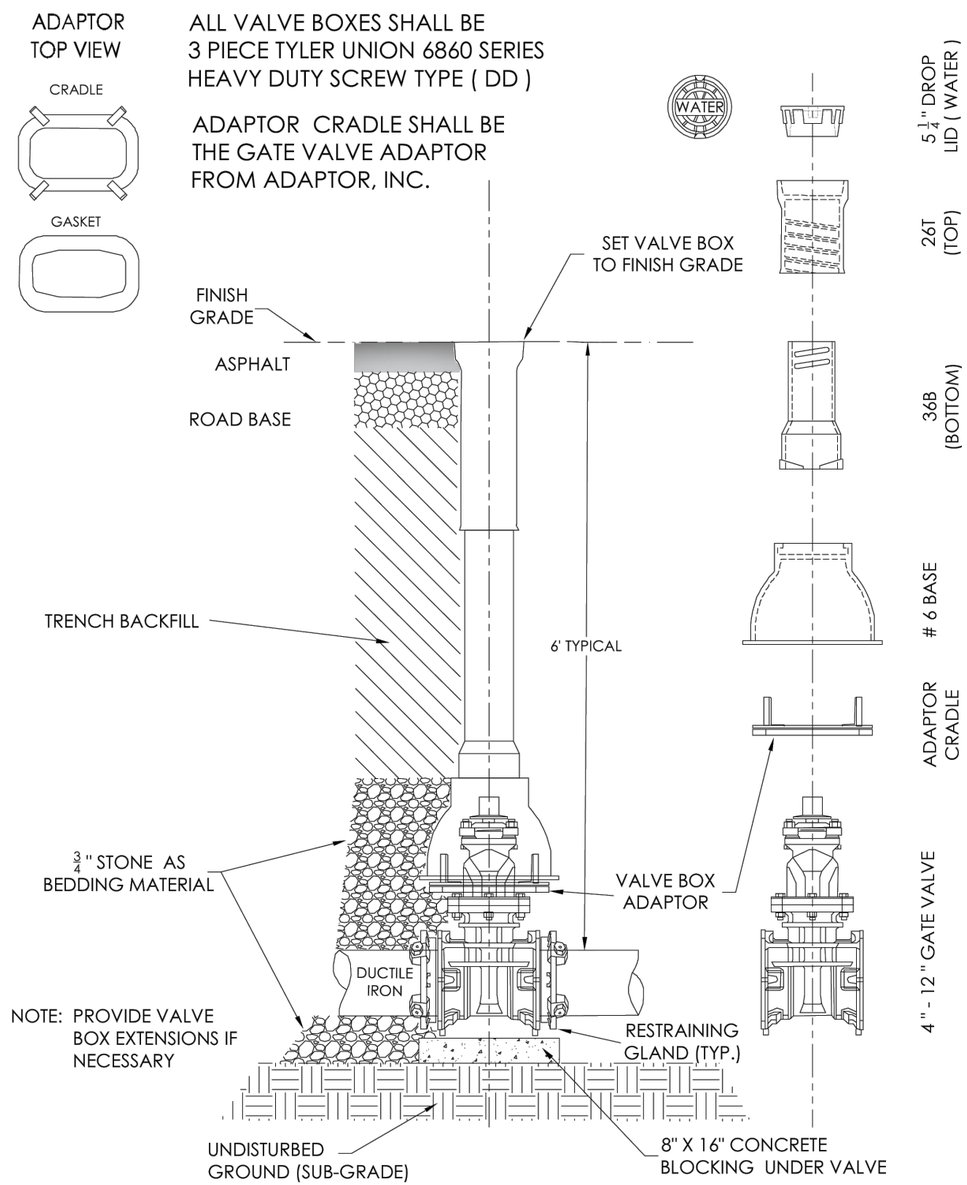


NOTES:

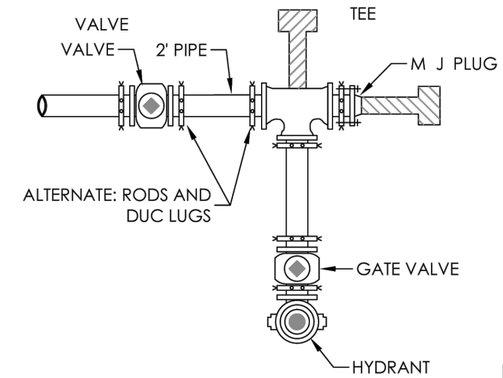
1. THE GAP BETWEEN THE CROSSBARS IS 48-INCHES.

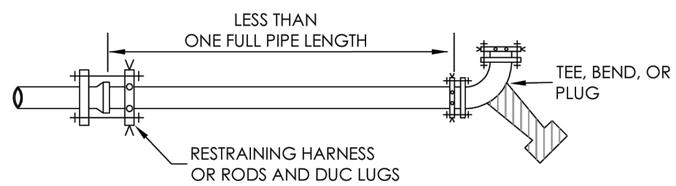
2. THE CROSSBARS SHALL BE PLACED IN A MATTER THAT MINIMIZES CONTACT WITH VEHICLES TIRES.

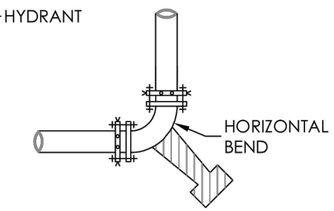
CROSSWALK PAVEMENT MARKING DETAIL
STA. 107+82
STA. 118+36

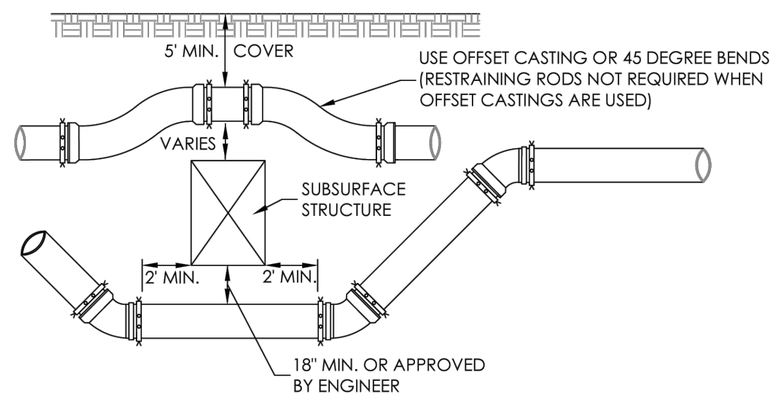


WATERMAIN GATE VALVE WITH VALVE BOX DETAIL





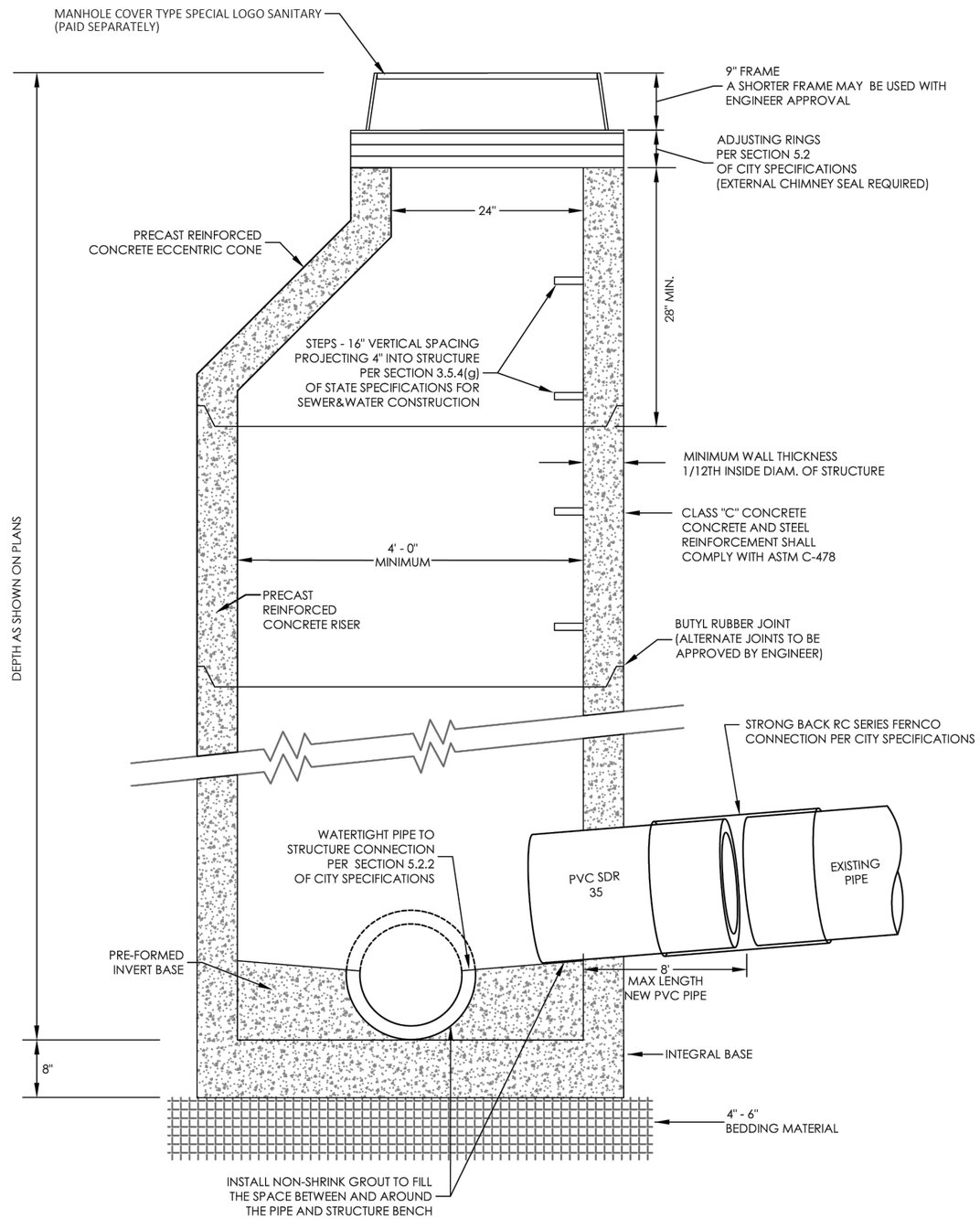




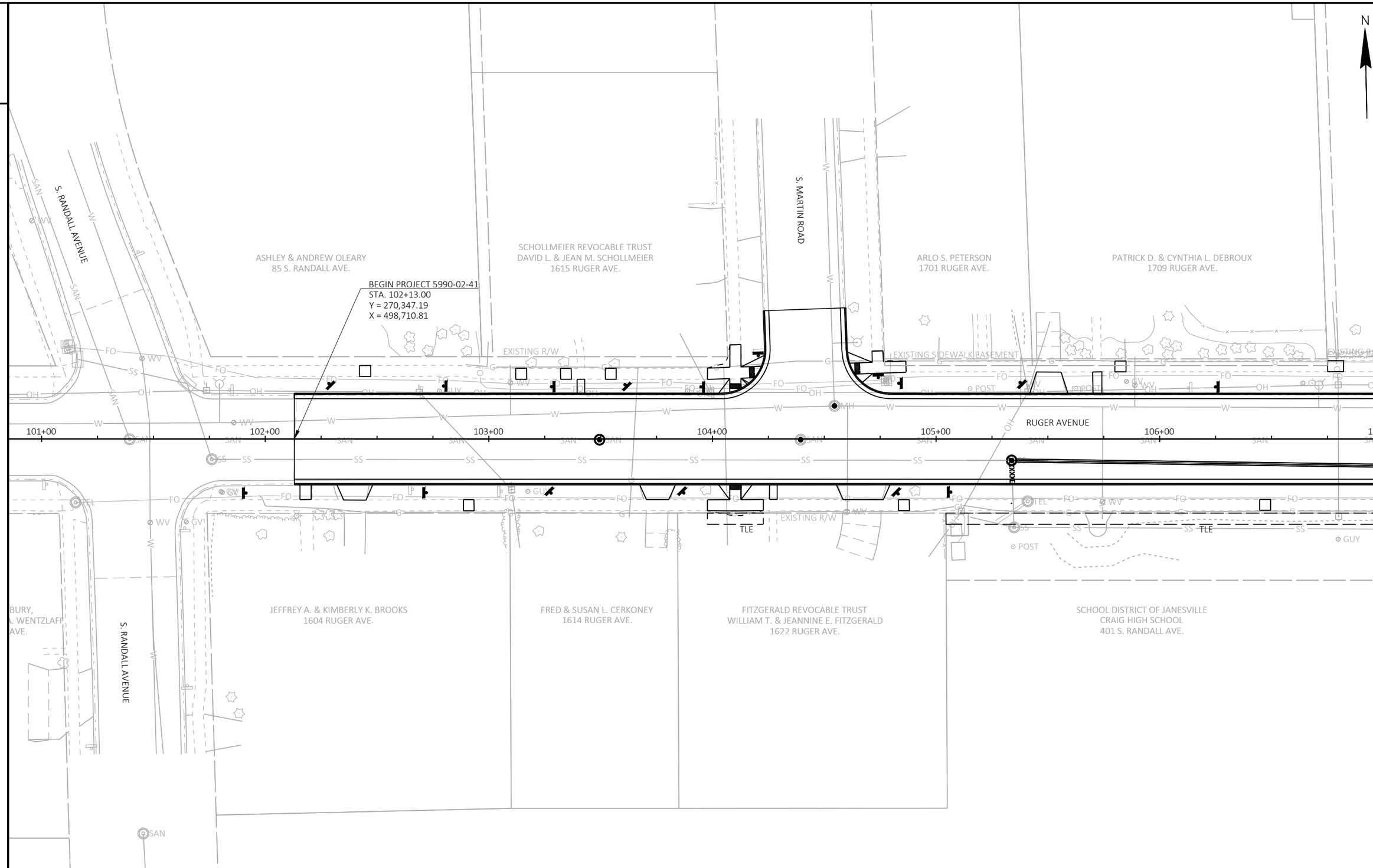
NOTE: SEE FILE NO. 44 - 47A OF STANDARD SPECIFICATIONS FOR SEWER & WATER CONSTRUCTION IN WISCONSIN FOR BLOCKING DETAILS

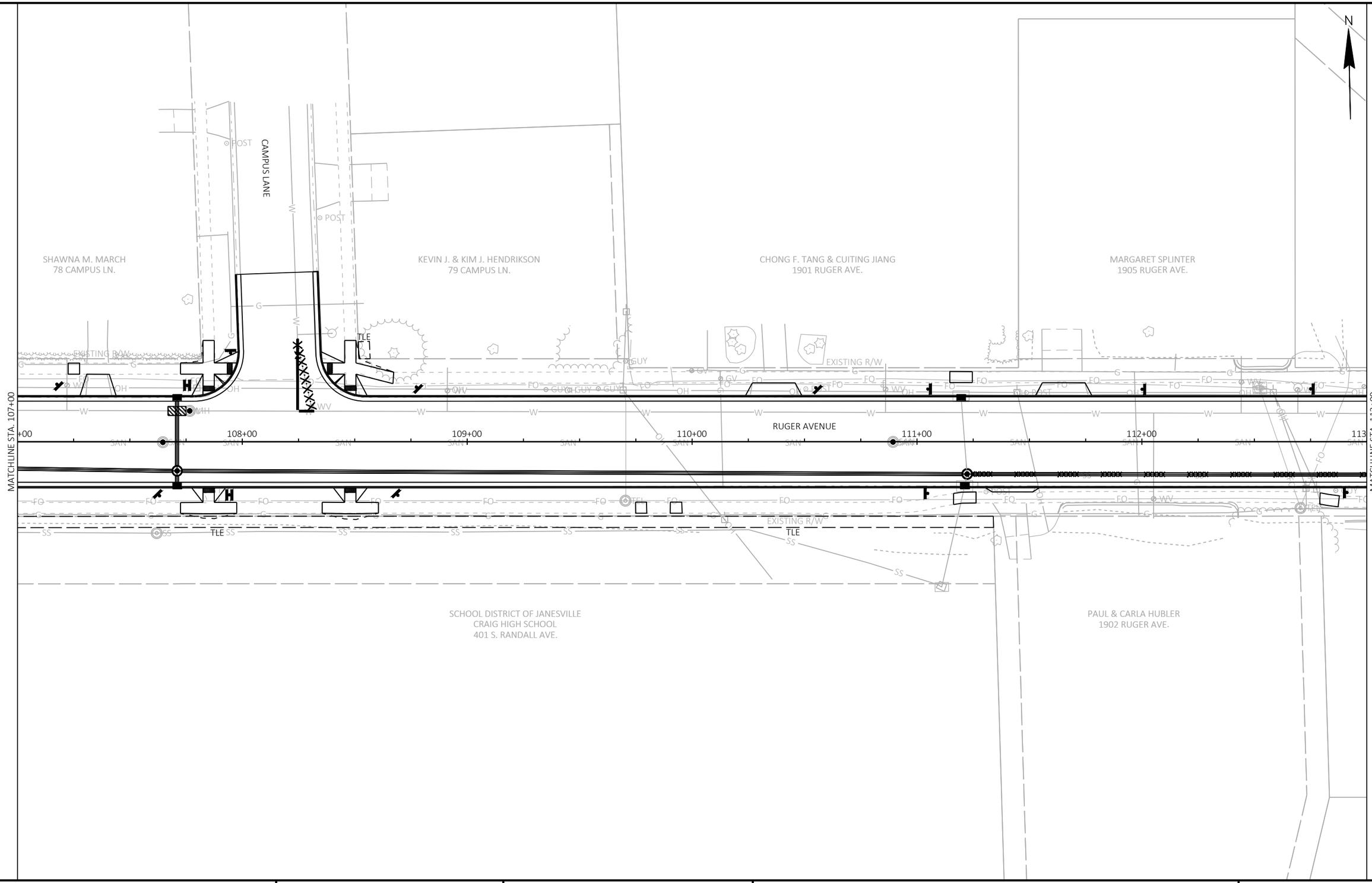
LEGEND

WATERMAIN PIPE RESTRAINTS DETAIL



SANITARY STRUCTURE REPLACEMENT DETAIL

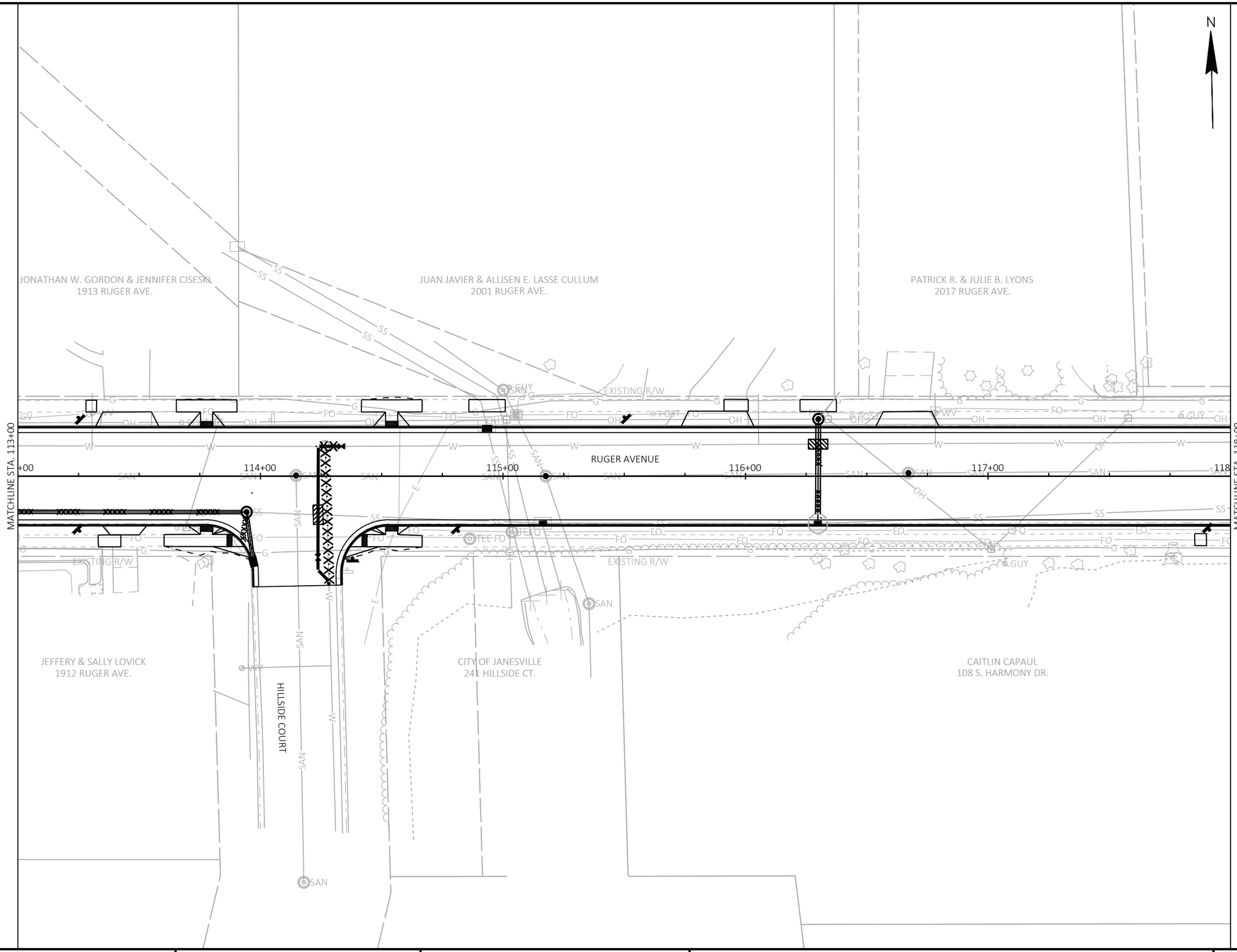

N
S. RANDALL AVENUE
ASHLEY & ANDREW OLEARY
85 S. RANDALL AVE.
SCHOLLMEIER REVOCABLE TRUST
DAVID L. & JEAN M. SCHOLLMEIER
1615 RUGER AVE.
S. MARTIN ROAD
ARLO S. PETERSON
1701 RUGER AVE.
PATRICK D. & CYNTHIA L. DEBROUX
1709 RUGER AVE.
BEGIN PROJECT 5990-02-41
STA. 102+13.00
Y = 270,347.19
X = 498,710.81
EXISTING R/W
EXISTING SIDEWALK EASEMENT
RUGER AVENUE
101+00
102+00
103+00
104+00
105+00
106+00
MATCHLINE STA. 107+00
TLE
JEFFREY A. & KIMBERLY K. BROOKS
1604 RUGER AVE.
FRED & SUSAN L. CERKONEY
1614 RUGER AVE.
FITZGERALD REVOCABLE TRUST
WILLIAM T. & JEANNINE E. FITZGERALD
1622 RUGER AVE.
SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.
S. RANDALL AVENUE



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	OVERVIEW DETAILS	SHEET 15	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\021101-OV.DWG
LAYOUT NAME - 021102-ov
PLOT DATE : 7/29/2025 2:39 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

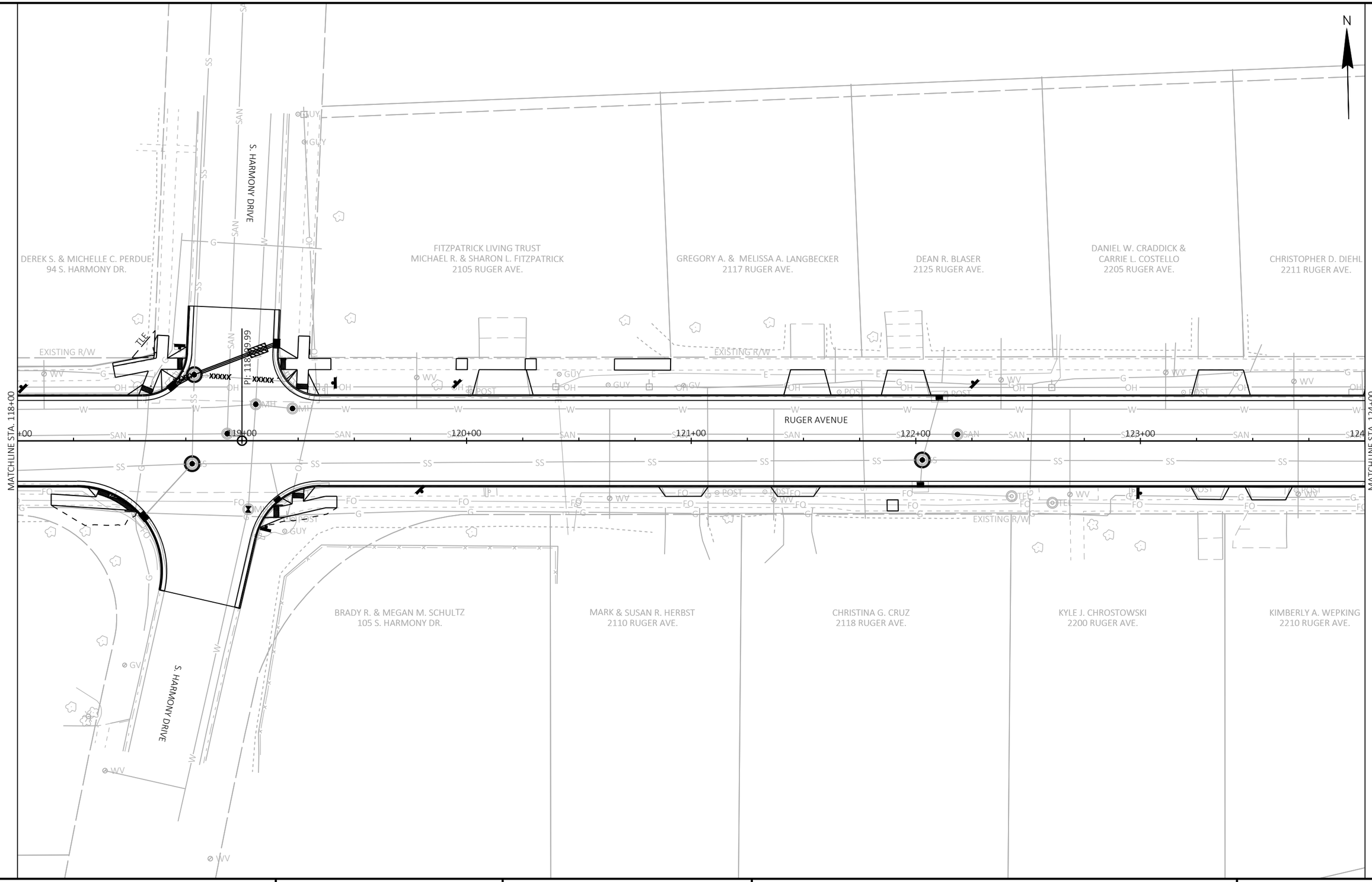
2



2

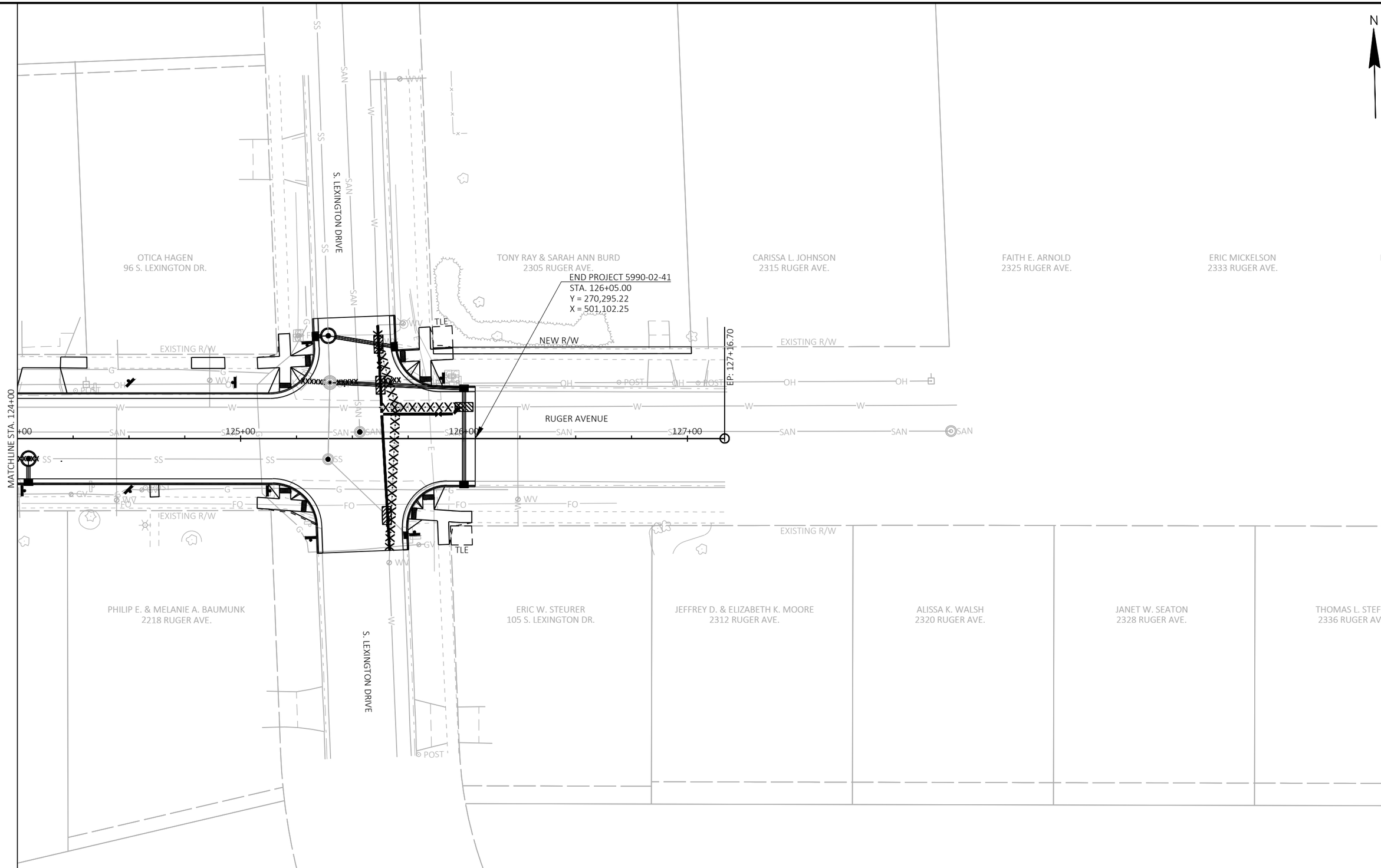
PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	OVERVIEW DETAILS	SHEET 16	E

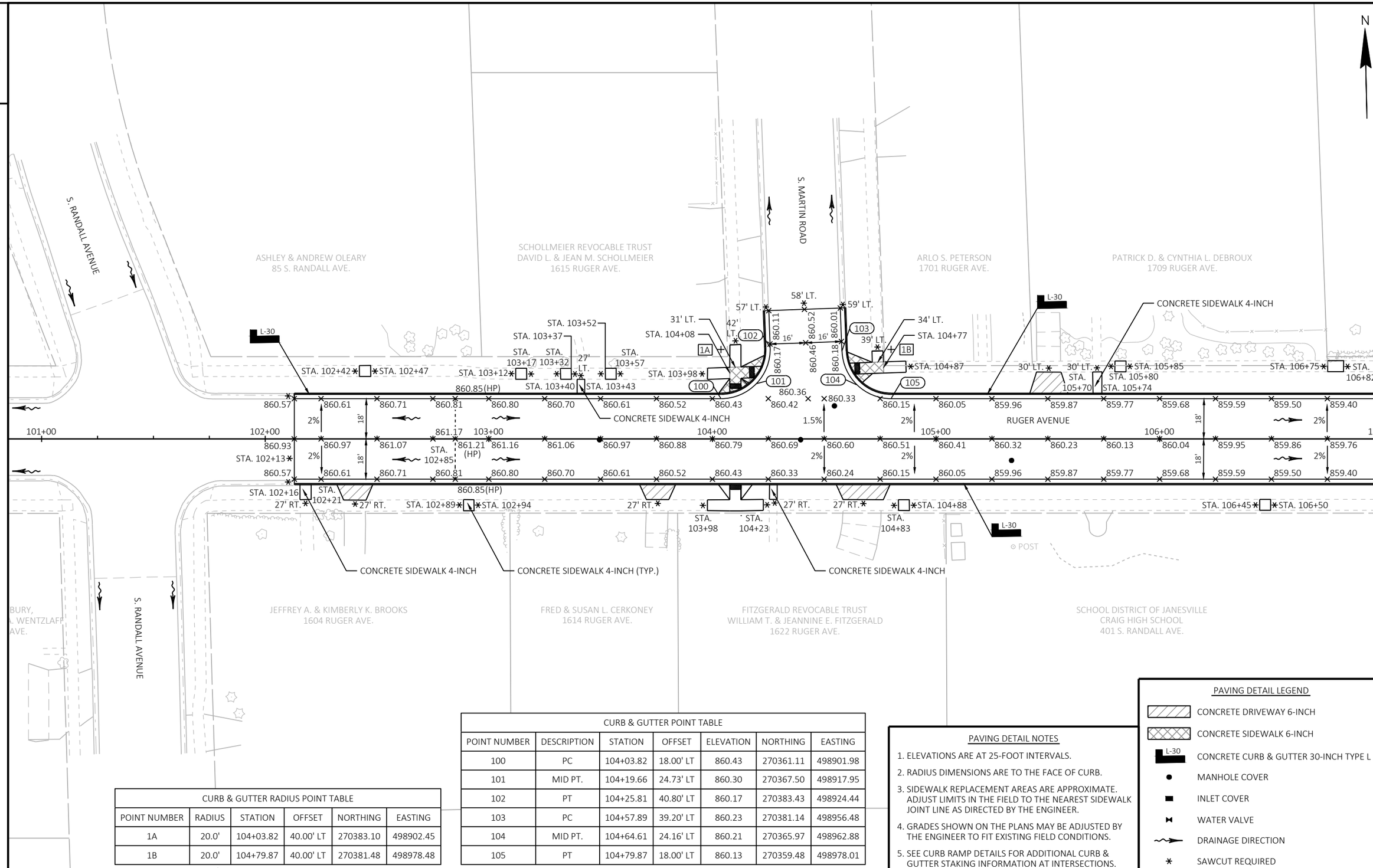
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\021101-OV.DWG
LAYOUT NAME - 021103-ov
PLOT DATE : 7/29/2025 2:40 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	OVERVIEW DETAILS	SHEET 17	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\021101-OV.DWG
LAYOUT NAME - 021104-ov
PLOT DATE : 7/29/2025 2:40 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42


N
OTICA HAGEN
96 S. LEXINGTON DR.
S. LEXINGTON DRIVE
TONY RAY & SARAH ANN BURD
2305 RUGER AVE.
CARISSA L. JOHNSON
2315 RUGER AVE.
FAITH E. ARNOLD
2325 RUGER AVE.
ERIC MICKELSON
2333 RUGER AVE.
END PROJECT 5990-02-41
STA. 126+05.00
Y = 270,295.22
X = 501,102.25
TLE
NEW R/W
EXISTING R/W
EP: 127+16.70
RUGER AVENUE
MATCHLINE STA. 124+00
125+00
126+00
127+00
PHILIP E. & MELANIE A. BAUMUNK
2218 RUGER AVE.
S. LEXINGTON DRIVE
ERIC W. STEURER
105 S. LEXINGTON DR.
JEFFREY D. & ELIZABETH K. MOORE
2312 RUGER AVE.
ALISSA K. WALSH
2320 RUGER AVE.
JANET W. SEATON
2328 RUGER AVE.
THOMAS L. STEFFA
2336 RUGER AVE.



CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
100	PC	104+03.82	18.00' LT	860.43	270361.11	498901.98
101	MID PT.	104+19.66	24.73' LT	860.30	270367.50	498917.95
102	PT	104+25.81	40.80' LT	860.17	270383.43	498924.44
103	PC	104+57.89	39.20' LT	860.23	270381.14	498956.48
104	MID PT.	104+64.61	24.16' LT	860.21	270365.97	498962.88
105	PT	104+79.87	18.00' LT	860.13	270359.48	498978.01

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
1A	20.0'	104+03.82	40.00' LT	270383.10	498902.45
1B	20.0'	104+79.87	40.00' LT	270381.48	498978.48

PAVING DETAIL NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
5. SEE CURB RAMP DETAILS FOR ADDITIONAL CURB & GUTTER STAKING INFORMATION AT INTERSECTIONS.

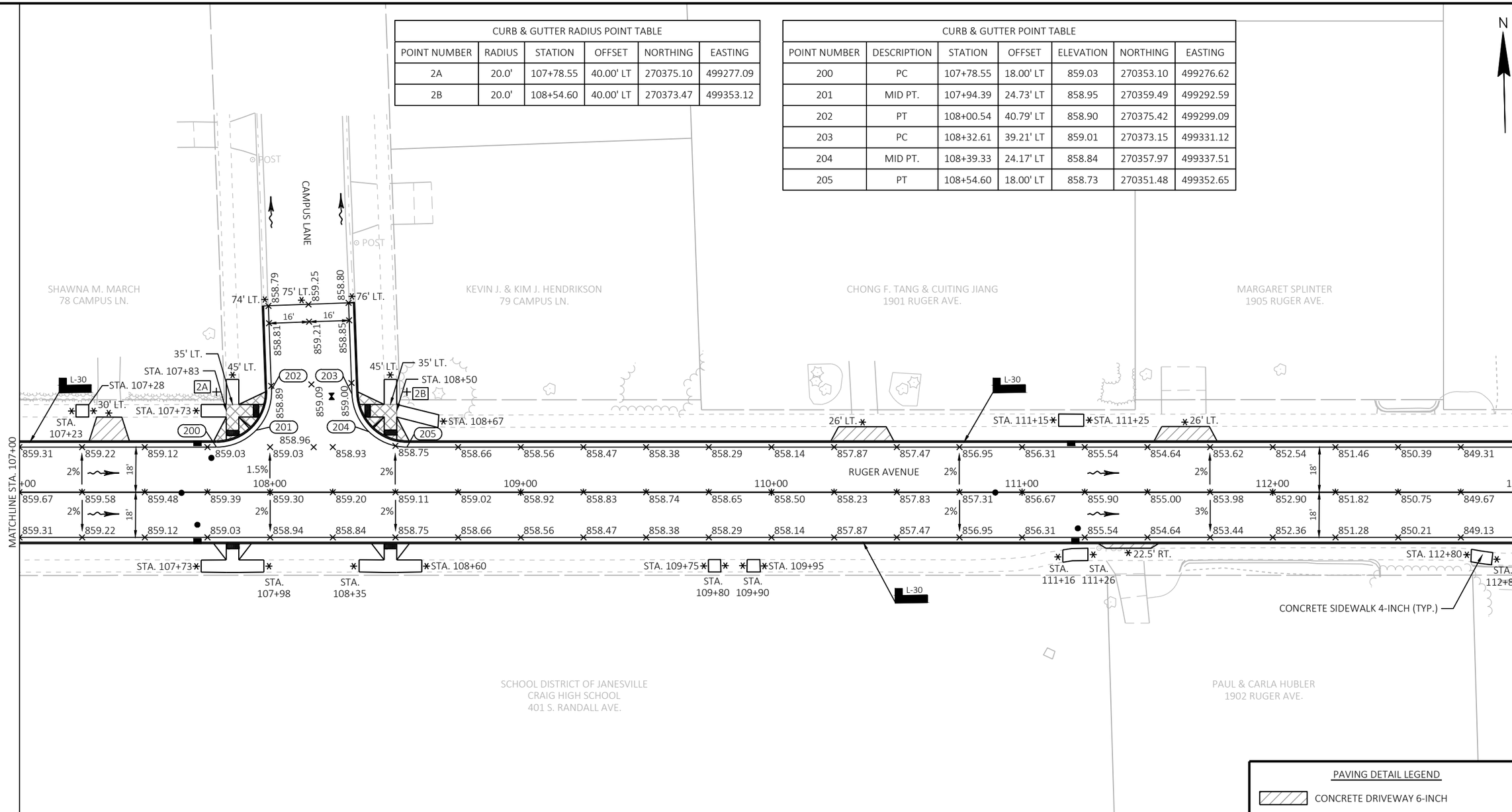
PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH
- CONCRETE SIDEWALK 6-INCH
- L-30 CONCRETE CURB & GUTTER 30-INCH TYPE L
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PAVING DETAILS	SHEET 19	E

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
2A	20.0'	107+78.55	40.00' LT	270375.10	499277.09
2B	20.0'	108+54.60	40.00' LT	270373.47	499353.12

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
200	PC	107+78.55	18.00' LT	859.03	270353.10	499276.62
201	MID PT.	107+94.39	24.73' LT	858.95	270359.49	499292.59
202	PT	108+00.54	40.79' LT	858.90	270375.42	499299.09
203	PC	108+32.61	39.21' LT	859.01	270373.15	499331.12
204	MID PT.	108+39.33	24.17' LT	858.84	270357.97	499337.51
205	PT	108+54.60	18.00' LT	858.73	270351.48	499352.65



PAVING DETAIL NOTES

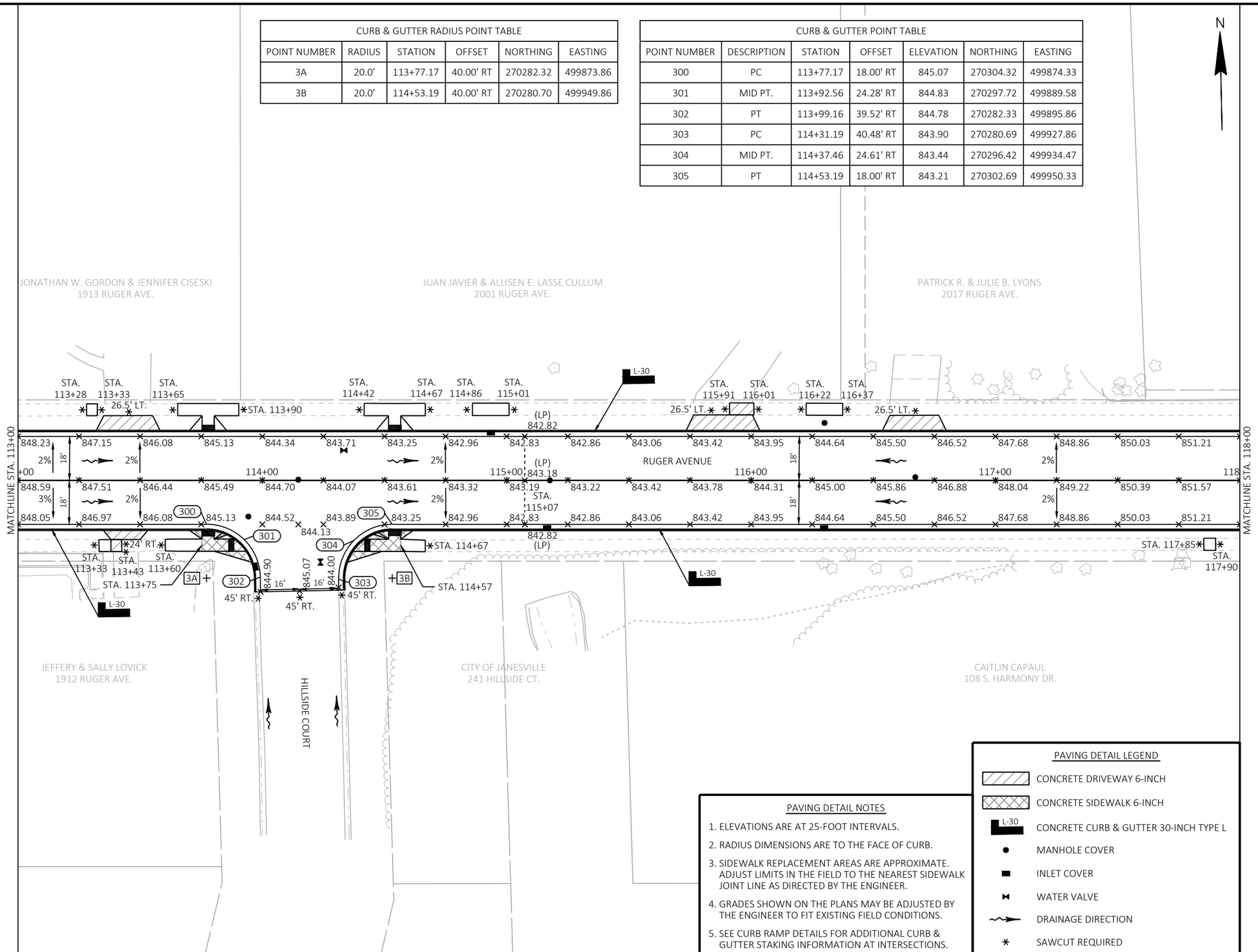
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
5. SEE CURB RAMP DETAILS FOR ADDITIONAL CURB & GUTTER STAKING INFORMATION AT INTERSECTIONS.

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH
- CONCRETE SIDEWALK 6-INCH
- L-30 CONCRETE CURB & GUTTER 30-INCH TYPE L
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
3A	20.0'	113+77.17	40.00' RT	270282.32	499873.86
3B	20.0'	114+53.19	40.00' RT	270280.70	499949.86

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
300	PC	113+77.17	18.00' RT	845.07	270304.32	499874.33
301	MID PT.	113+92.56	24.28' RT	844.83	270297.72	499889.58
302	PT	113+99.16	39.52' RT	844.78	270282.33	499895.86
303	PC	114+31.19	40.48' RT	843.90	270280.69	499927.86
304	MID PT.	114+37.46	24.61' RT	843.44	270296.42	499934.47
305	PT	114+53.19	18.00' RT	843.21	270302.69	499950.33



PAVING DETAIL NOTES

1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
5. SEE CURB RAMP DETAILS FOR ADDITIONAL CURB & GUTTER STAKING INFORMATION AT INTERSECTIONS.

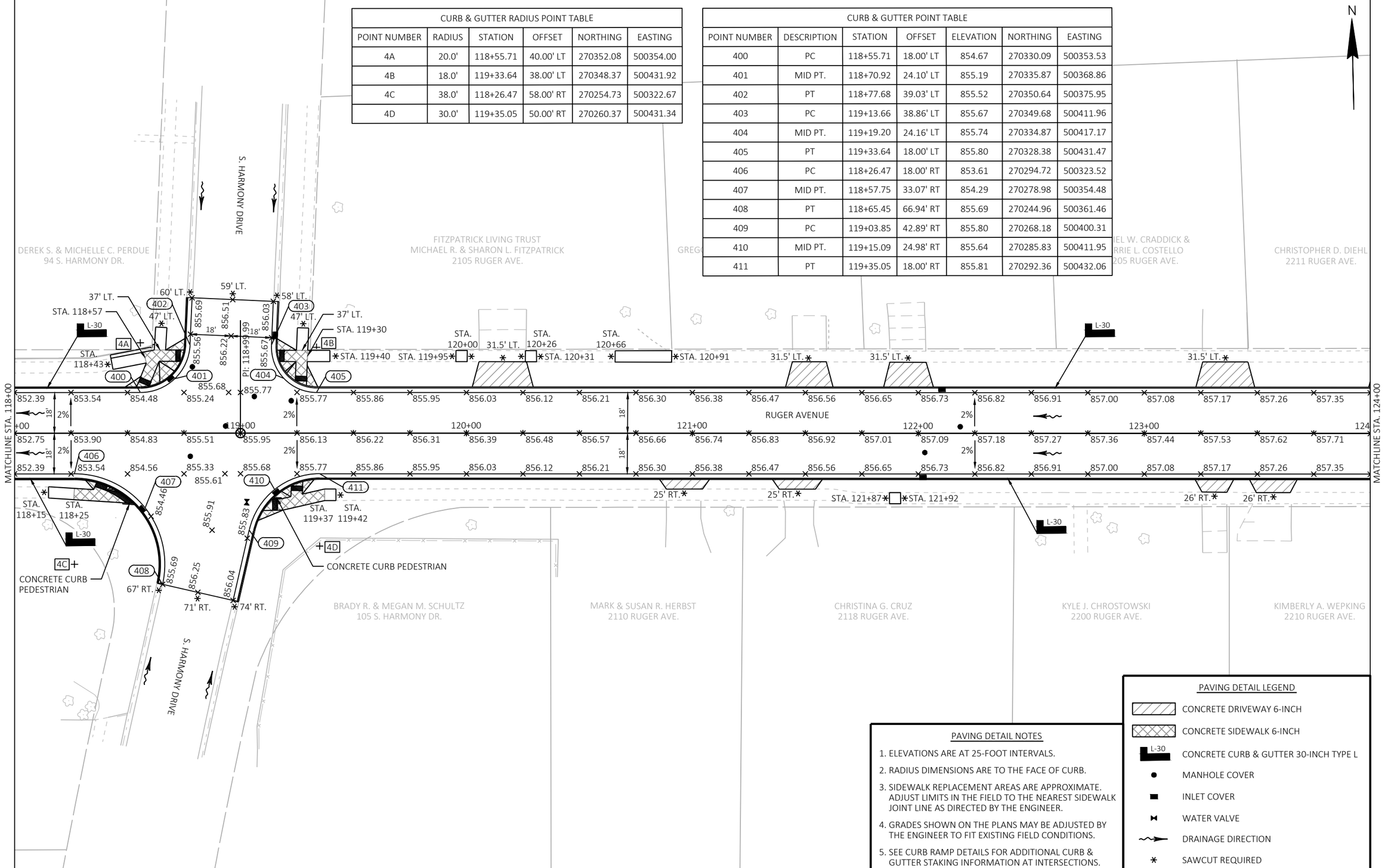
PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH
- CONCRETE SIDEWALK 6-INCH
- L-30 CONCRETE CURB & GUTTER 30-INCH TYPE L
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PAVING DETAILS	SHEET 21	E

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
4A	20.0'	118+55.71	40.00' LT	270352.08	500354.00
4B	18.0'	119+33.64	38.00' LT	270348.37	500431.92
4C	38.0'	118+26.47	58.00' RT	270254.73	500322.67
4D	30.0'	119+35.05	50.00' RT	270260.37	500431.34

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
400	PC	118+55.71	18.00' LT	854.67	270330.09	500353.53
401	MID PT.	118+70.92	24.10' LT	855.19	270335.87	500368.86
402	PT	118+77.68	39.03' LT	855.52	270350.64	500375.95
403	PC	119+13.66	38.86' LT	855.67	270349.68	500411.96
404	MID PT.	119+19.20	24.16' LT	855.74	270334.87	500417.17
405	PT	119+33.64	18.00' LT	855.80	270328.38	500431.47
406	PC	118+26.47	18.00' RT	853.61	270294.72	500323.52
407	MID PT.	118+57.75	33.07' RT	854.29	270278.98	500354.48
408	PT	118+65.45	66.94' RT	855.69	270244.96	500361.46
409	PC	119+03.85	42.89' RT	855.80	270268.18	500400.31
410	MID PT.	119+15.09	24.98' RT	855.64	270285.83	500411.95
411	PT	119+35.05	18.00' RT	855.81	270292.36	500432.06



PAVING DETAIL NOTES

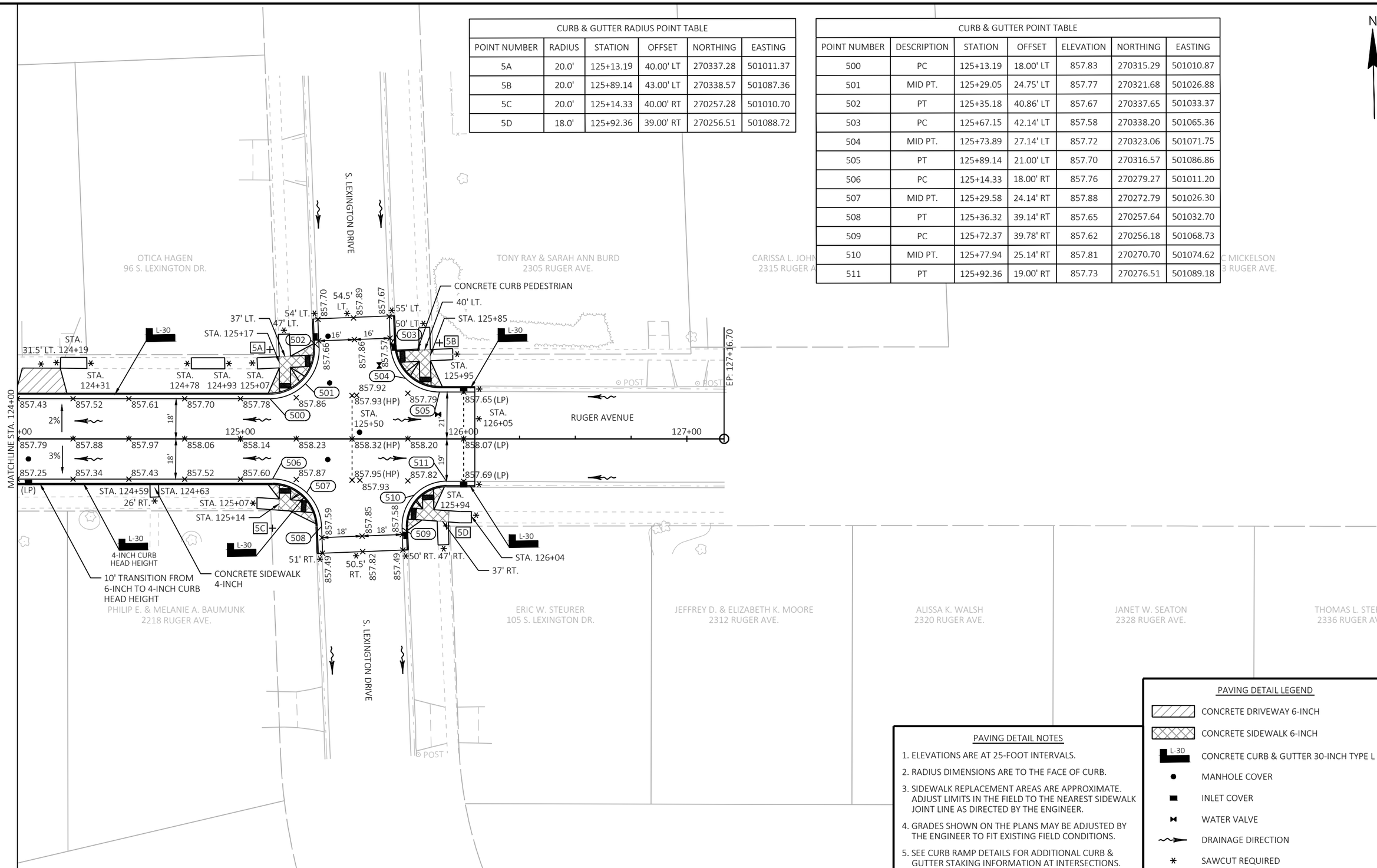
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
5. SEE CURB RAMP DETAILS FOR ADDITIONAL CURB & GUTTER STAKING INFORMATION AT INTERSECTIONS.

PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH
- CONCRETE SIDEWALK 6-INCH
- L-30 CONCRETE CURB & GUTTER 30-INCH TYPE L
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

CURB & GUTTER RADIUS POINT TABLE					
POINT NUMBER	RADIUS	STATION	OFFSET	NORTHING	EASTING
5A	20.0'	125+13.19	40.00' LT	270337.28	501011.37
5B	20.0'	125+89.14	43.00' LT	270338.57	501087.36
5C	20.0'	125+14.33	40.00' RT	270257.28	501010.70
5D	18.0'	125+92.36	39.00' RT	270256.51	501088.72

CURB & GUTTER POINT TABLE						
POINT NUMBER	DESCRIPTION	STATION	OFFSET	ELEVATION	NORTHING	EASTING
500	PC	125+13.19	18.00' LT	857.83	270315.29	501010.87
501	MID PT.	125+29.05	24.75' LT	857.77	270321.68	501026.88
502	PT	125+35.18	40.86' LT	857.67	270337.65	501033.37
503	PC	125+67.15	42.14' LT	857.58	270338.20	501065.36
504	MID PT.	125+73.89	27.14' LT	857.72	270323.06	501071.75
505	PT	125+89.14	21.00' LT	857.70	270316.57	501086.86
506	PC	125+14.33	18.00' RT	857.76	270279.27	501011.20
507	MID PT.	125+29.58	24.14' RT	857.88	270272.79	501026.30
508	PT	125+36.32	39.14' RT	857.65	270257.64	501032.70
509	PC	125+72.37	39.78' RT	857.62	270256.18	501068.73
510	MID PT.	125+77.94	25.14' RT	857.81	270270.70	501074.62
511	PT	125+92.36	19.00' RT	857.73	270276.51	501089.18



PAVING DETAIL NOTES

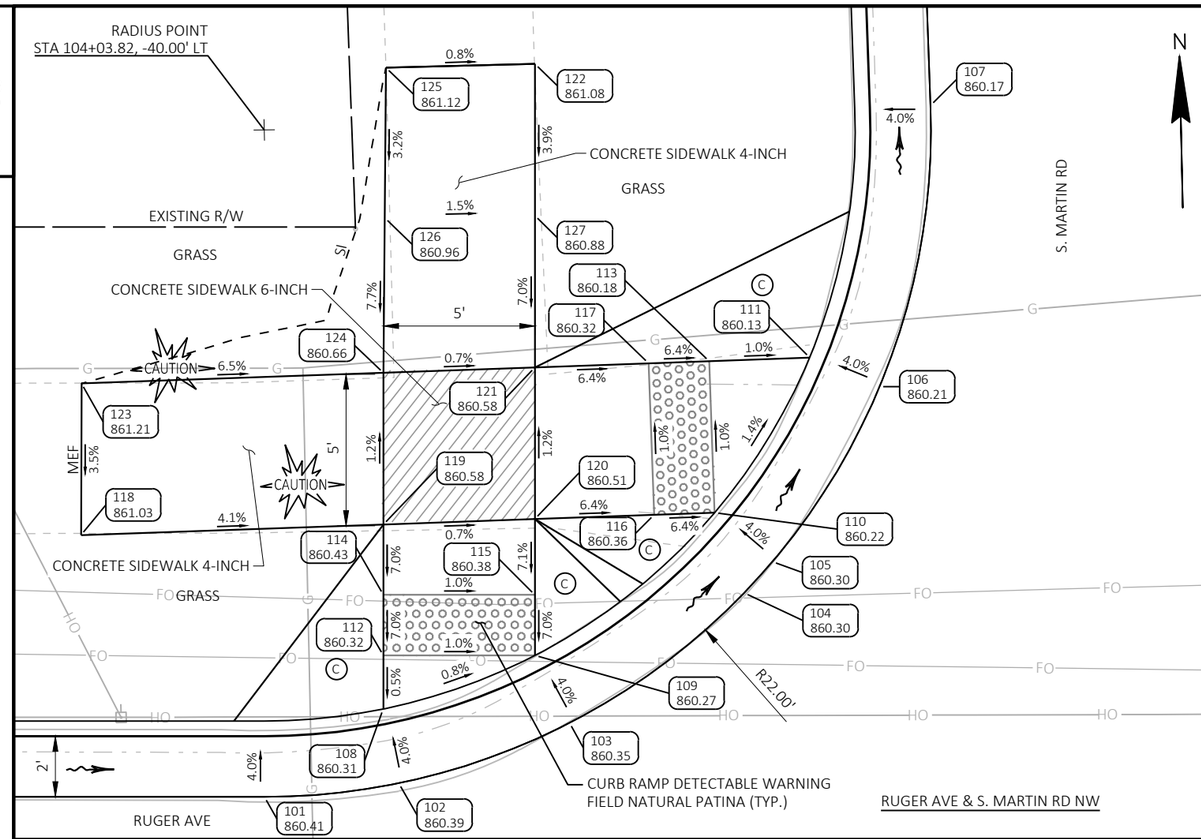
1. ELEVATIONS ARE AT 25-FOOT INTERVALS.
2. RADIUS DIMENSIONS ARE TO THE FACE OF CURB.
3. SIDEWALK REPLACEMENT AREAS ARE APPROXIMATE. ADJUST LIMITS IN THE FIELD TO THE NEAREST SIDEWALK JOINT LINE AS DIRECTED BY THE ENGINEER.
4. GRADES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.
5. SEE CURB RAMP DETAILS FOR ADDITIONAL CURB & GUTTER STAKING INFORMATION AT INTERSECTIONS.

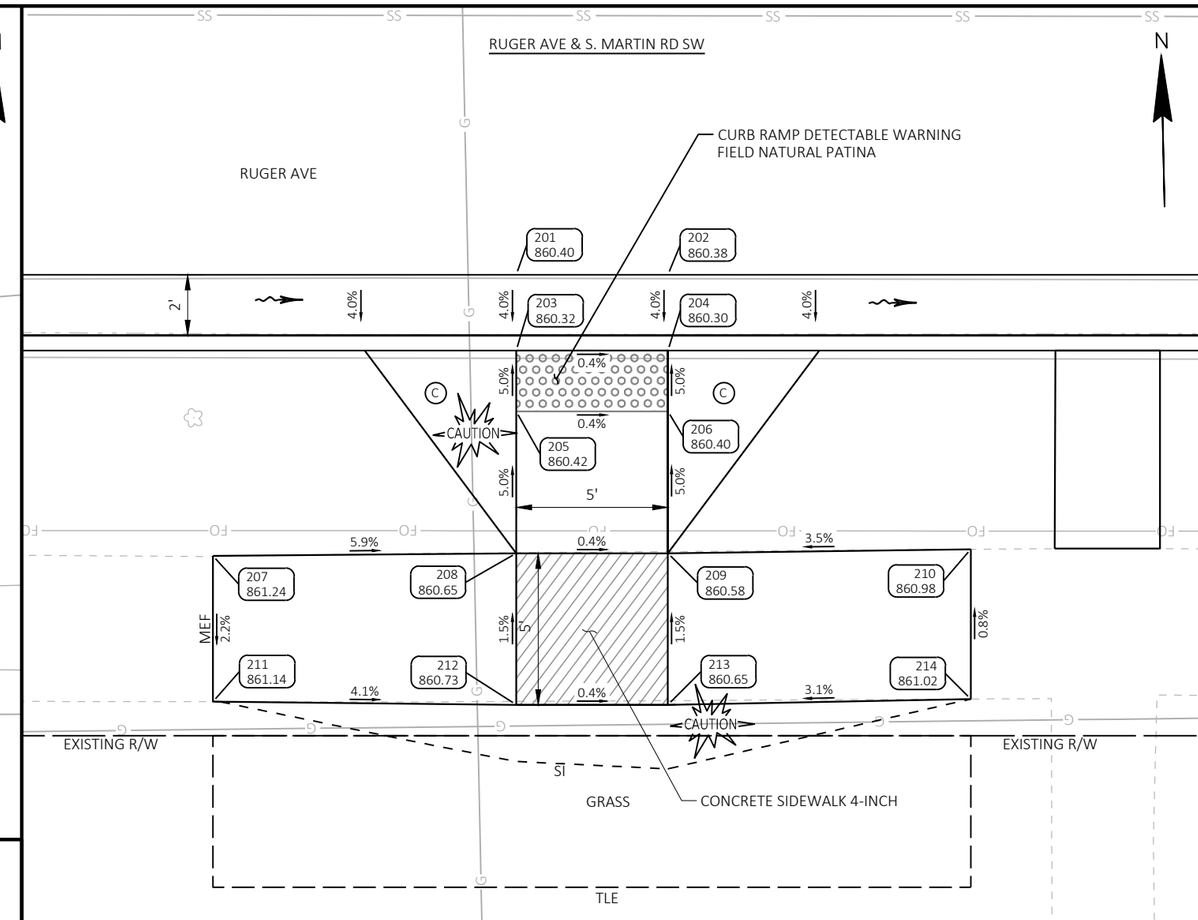
PAVING DETAIL LEGEND

- CONCRETE DRIVEWAY 6-INCH
- CONCRETE SIDEWALK 6-INCH
- L-30 CONCRETE CURB & GUTTER 30-INCH TYPE L
- MANHOLE COVER
- INLET COVER
- WATER VALVE
- DRAINAGE DIRECTION
- SAWCUT REQUIRED

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PAVING DETAILS	SHEET 23	E

2





2

S. MARTIN RD NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
101	104+03.82	18.00' LT	860.41	270361.11	498901.98
102	104+08.26	18.45' LT	860.39	270361.46	498906.42
103	104+13.90	20.44' LT	860.35	270363.33	498912.10
104	104+19.66	24.73' LT	860.30	270367.50	498917.95
105	104+20.59	25.76' LT	860.30	270368.50	498918.91
106	104+24.13	31.53' LT	860.21	270374.20	498922.56
107	104+25.81	40.80' LT	860.17	270383.43	498924.44
108	104+07.75	20.90' LT	860.31	270363.92	498905.97
109	104+12.75	22.66' LT	860.27	270365.58	498911.00
110	104+18.69	27.38' LT	860.22	270370.16	498917.04
111	104+21.82	32.49' LT	860.13	270375.21	498920.28
112	104+07.75	22.66' LT	860.32	270365.69	498906.00
113	104+18.51	32.37' LT	860.18	270375.16	498916.96
114	104+07.75	24.66' LT	860.43	270367.69	498906.05

S. MARTIN RD NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
115	104+12.75	24.66' LT	860.38	270367.58	498911.05
116	104+16.69	27.30' LT	860.36	270370.13	498915.04
117	104+16.51	32.30' LT	860.32	270375.13	498914.96
118	103+97.78	26.63' LT	861.03	270369.87	498896.12
119	104+07.75	26.99' LT	860.58	270370.01	498906.10
120	104+12.75	27.17' LT	860.51	270370.08	498911.10
121	104+12.75	32.16' LT	860.58	270375.08	498911.21
122	104+12.76	42.17' LT	861.08	270385.08	498911.42
123	103+97.80	31.64' LT	861.21	270374.87	498896.25
124	104+07.75	31.99' LT	860.66	270375.01	498906.20
125	104+07.84	42.05' LT	861.12	270385.06	498906.51
126	104+07.80	37.10' LT	860.96	270380.11	498906.36
127	104+12.75	37.17' LT	860.88	270380.08	498911.31

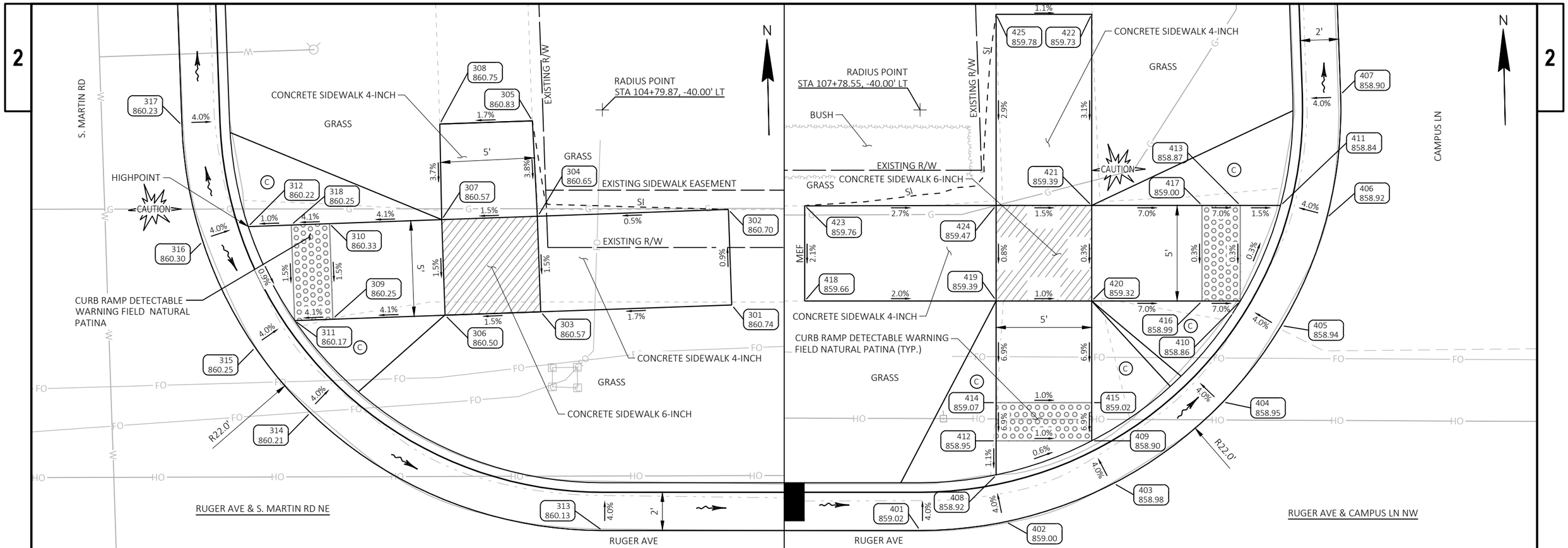
CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

CURB RAMP DETAIL LEGEND

- LANDING AREA
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

S. MARTIN RD SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
201	104+07.76	18.00' RT	860.40	270325.03	498905.14
202	104+12.75	18.00' RT	860.38	270324.92	498910.13
203	104+07.75	20.50' RT	860.32	270322.53	498905.08
204	104+12.75	20.50' RT	860.30	270322.42	498910.08
205	104+07.75	22.50' RT	860.42	270320.53	498905.04
206	104+12.75	22.50' RT	860.40	270320.42	498910.04
207	103+97.75	27.27' RT	861.24	270315.98	498894.93
208	104+07.75	27.18' RT	860.65	270315.85	498904.94
209	104+12.75	27.18' RT	860.58	270315.74	498909.94
210	104+22.75	27.05' RT	860.98	270315.66	498919.93
211	103+97.75	32.08' RT	861.14	270311.17	498894.83
212	104+07.75	32.18' RT	860.73	270310.85	498904.83
213	104+12.75	32.18' RT	860.65	270310.74	498909.83
214	104+22.75	31.99' RT	861.02	270310.72	498919.83



S. MARTIN RD NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
301	104+86.65	29.79' LT	860.74	270371.13	498985.03
302	104+86.47	34.79' LT	860.70	270376.12	498984.96
303	104+76.65	29.44' LT	860.57	270370.99	498975.03
304	104+76.51	34.44' LT	860.65	270375.99	498974.99
305	104+76.22	39.43' LT	860.83	270380.98	498974.81
306	104+71.65	29.26' LT	860.50	270370.91	498970.03
307	104+71.48	34.26' LT	860.57	270375.91	498969.96
308	104+71.37	39.26' LT	860.75	270380.91	498969.96
309	104+65.79	29.08' LT	860.25	270370.86	498964.16
310	104+65.61	34.05' LT	860.33	270375.83	498964.09
311	104+63.79	28.98' LT	860.17	270370.80	498962.16
312	104+61.35	33.90' LT	860.22	270375.77	498959.83
313	104+79.87	18.00' LT	860.13	270359.48	498978.01

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

S. MARTIN RD NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
314	104+64.61	24.16' LT	860.21	270365.97	498962.88
315	104+61.72	27.57' LT	860.25	270369.43	498960.07
316	104+58.98	33.11' LT	860.30	270375.04	498957.44
317	104+57.89	39.20' LT	860.23	270381.14	498956.48
318	104+63.61	33.98' LT	860.25	270375.80	498962.09

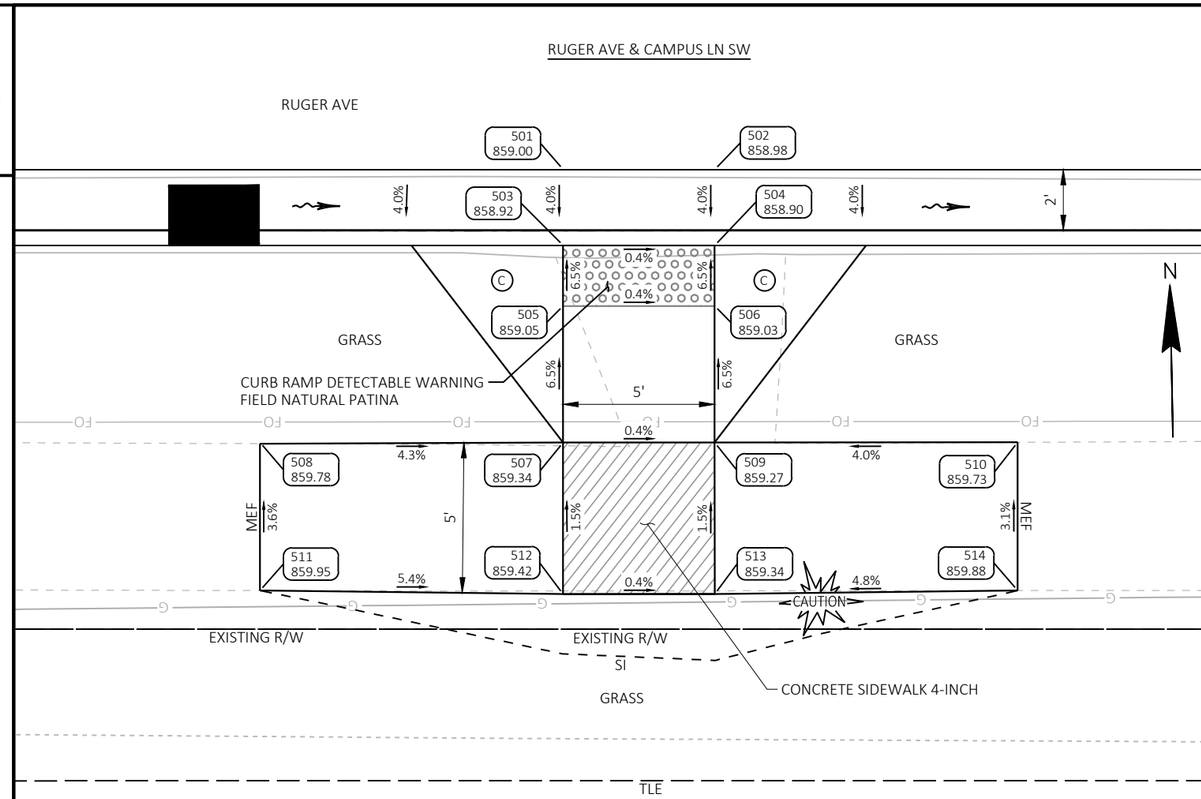
CAMPUS LN NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
401	107+78.55	18.00' LT	859.02	270353.10	499276.62
402	107+83.03	18.46' LT	859.00	270353.47	499281.11
403	107+88.67	20.47' LT	858.98	270355.35	499286.79
404	107+94.39	24.73' LT	858.95	270359.49	499292.59
405	107+97.44	28.72' LT	858.94	270363.41	499295.73
406	107+99.82	34.36' LT	858.92	270369.00	499298.23
407	108+00.54	40.79' LT	858.90	270375.42	499299.09
408	107+82.54	20.91' LT	858.92	270355.93	499280.67
409	107+87.52	22.69' LT	858.90	270357.59	499285.69
410	107+95.29	30.00' LT	858.86	270364.74	499293.61
411	107+97.40	35.00' LT	858.84	270369.69	499295.82
412	107+82.52	22.69' LT	858.95	270357.70	499280.69
413	107+95.29	35.00' LT	858.87	270369.74	499293.72
414	107+82.52	24.69' LT	859.07	270359.70	499280.73
415	107+87.52	24.69' LT	859.02	270359.59	499285.73
416	107+93.29	30.00' LT	858.99	270364.78	499291.61

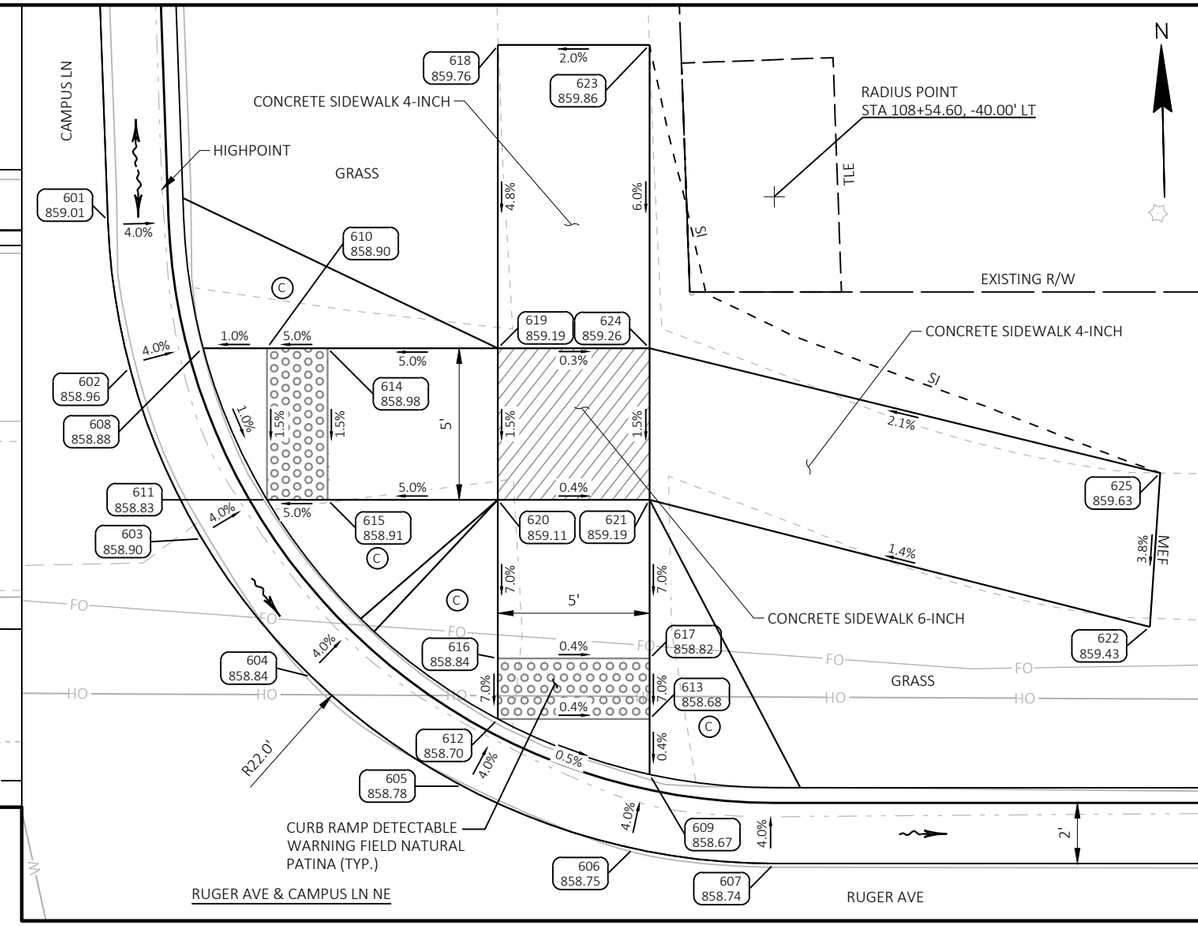
CURB RAMP DETAIL LEGEND

- LANDING AREA
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

CAMPUS LN NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
417	107+93.29	35.00' LT	859.00	270369.78	499291.72
418	107+72.52	30.00' LT	859.66	270365.23	499270.85
419	107+82.52	30.03' LT	859.39	270365.04	499280.85
420	107+87.52	30.00' LT	859.32	270364.91	499285.84
421	107+87.52	35.00' LT	859.39	270369.90	499285.95
422	107+87.52	45.00' LT	859.73	270379.90	499286.16
423	107+72.52	35.00' LT	859.76	270370.23	499270.95
424	107+82.52	35.00' LT	859.47	270370.01	499280.95
425	107+82.52	45.00' LT	859.78	270380.01	499281.17

2





2

CAMPUS LN SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
501	107+82.53	18.00' RT	859.00	270317.02	499279.82
502	107+87.53	18.00' RT	858.98	270316.92	499284.82
503	107+82.52	20.50' RT	858.92	270314.52	499279.77
504	107+87.52	20.50' RT	858.90	270314.42	499284.77
505	107+82.52	22.50' RT	859.05	270312.52	499279.72
506	107+87.52	22.50' RT	859.03	270312.42	499284.72
507	107+82.52	27.00' RT	859.34	270308.03	499279.63
508	107+72.52	27.00' RT	859.78	270308.24	499269.63
509	107+87.52	27.00' RT	859.27	270307.92	499284.63
510	107+97.52	27.00' RT	859.73	270307.71	499294.62
511	107+72.52	31.89' RT	859.95	270303.36	499269.53
512	107+82.52	32.00' RT	859.42	270303.03	499279.52
513	107+87.53	32.00' RT	859.34	270302.92	499284.52
514	107+97.52	31.88' RT	859.88	270302.83	499294.52

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

CURB RAMP DETAIL LEGEND

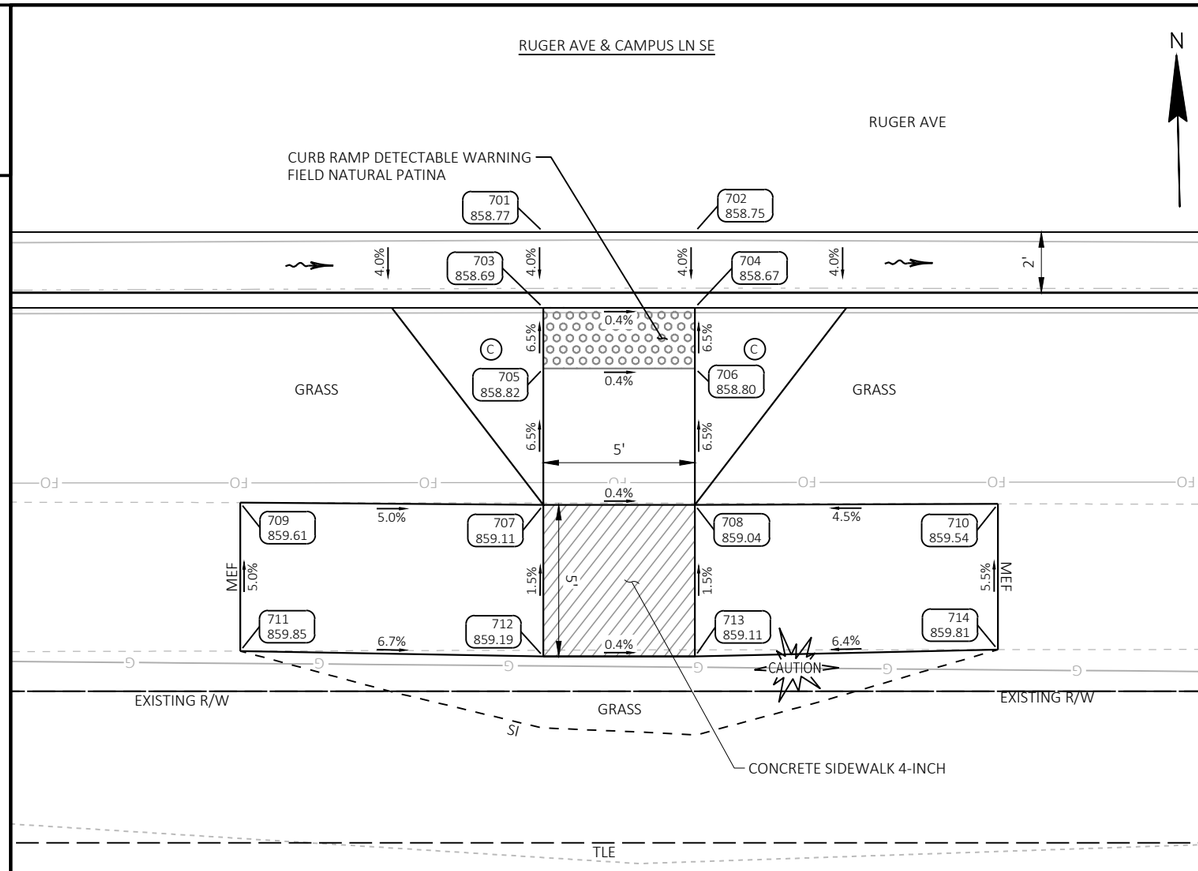
- LANDING AREA
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

CAMPUS LN NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
601	108+32.61	39.21' LT	859.01	270373.15	499331.12
602	108+33.34	34.36' LT	858.96	270368.28	499331.74
603	108+35.71	28.72' LT	858.90	270362.59	499334.00
604	108+39.33	24.17' LT	858.84	270357.97	499337.51
605	108+44.31	20.55' LT	858.78	270354.25	499342.42
606	108+49.95	18.50' LT	858.75	270352.07	499348.01
607	108+54.60	18.00' LT	858.74	270351.48	499352.65
608	108+35.72	34.99' LT	858.88	270368.87	499334.14
609	108+50.48	20.94' LT	858.67	270354.50	499348.59
610	108+37.86	35.00' LT	858.90	270368.83	499336.28
611	108+37.86	30.00' LT	858.83	270363.83	499336.17
612	108+45.48	22.76' LT	858.70	270356.43	499343.63
613	108+50.48	22.76' LT	858.68	270356.33	499348.63

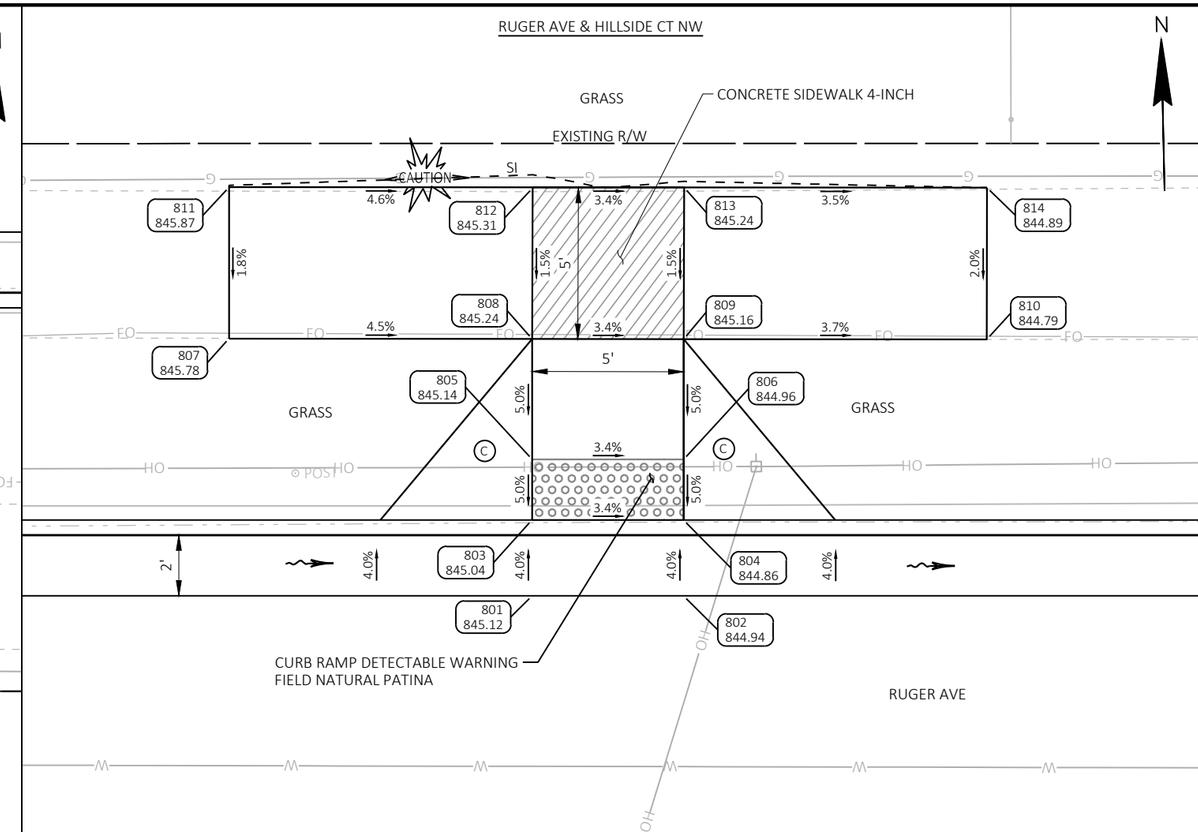
CAMPUS LN NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
614	108+39.86	35.00' LT	858.98	270368.79	499338.28
615	108+39.86	30.00' LT	858.91	270363.79	499338.17
616	108+45.48	24.76' LT	858.84	270358.43	499343.68
617	108+50.48	24.76' LT	858.82	270358.33	499348.68
618	108+45.50	45.00' LT	859.76	270378.66	499344.12
619	108+45.48	35.00' LT	859.19	270368.67	499343.90
620	108+45.48	30.00' LT	859.11	270363.67	499343.79
621	108+50.48	30.00' LT	859.19	270363.56	499348.79
622	108+66.99	25.81' LT	859.43	270359.02	499365.20
623	108+50.48	45.00' LT	859.86	270378.56	499349.11
624	108+50.48	35.00' LT	859.26	270368.56	499348.89
625	108+67.33	30.88' LT	859.63	270364.08	499365.65

2

RUGER AVE & CAMPUS LN SE



RUGER AVE & HILLSIDE CT NW



2

CAMPUS LN SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
701	108+45.48	18.00' RT	858.77	270315.68	499342.76
702	108+50.48	18.00' RT	858.75	270315.57	499347.76
703	108+45.48	20.50' RT	858.69	270313.18	499342.71
704	108+50.48	20.51' RT	858.67	270313.07	499347.71
705	108+45.48	22.50' RT	858.82	270311.18	499342.67
706	108+50.48	22.50' RT	858.80	270311.07	499347.67
707	108+45.48	27.00' RT	859.11	270306.68	499342.57
708	108+50.48	27.00' RT	859.04	270306.57	499347.57
709	108+35.48	26.92' RT	859.61	270306.97	499332.57
710	108+60.48	26.97' RT	859.54	270306.39	499357.57
711	108+35.48	31.82' RT	859.85	270302.07	499332.47
712	108+45.48	32.00' RT	859.19	270301.68	499342.46
713	108+50.48	32.00' RT	859.11	270301.57	499347.46
714	108+60.48	31.78' RT	859.81	270301.59	499357.46

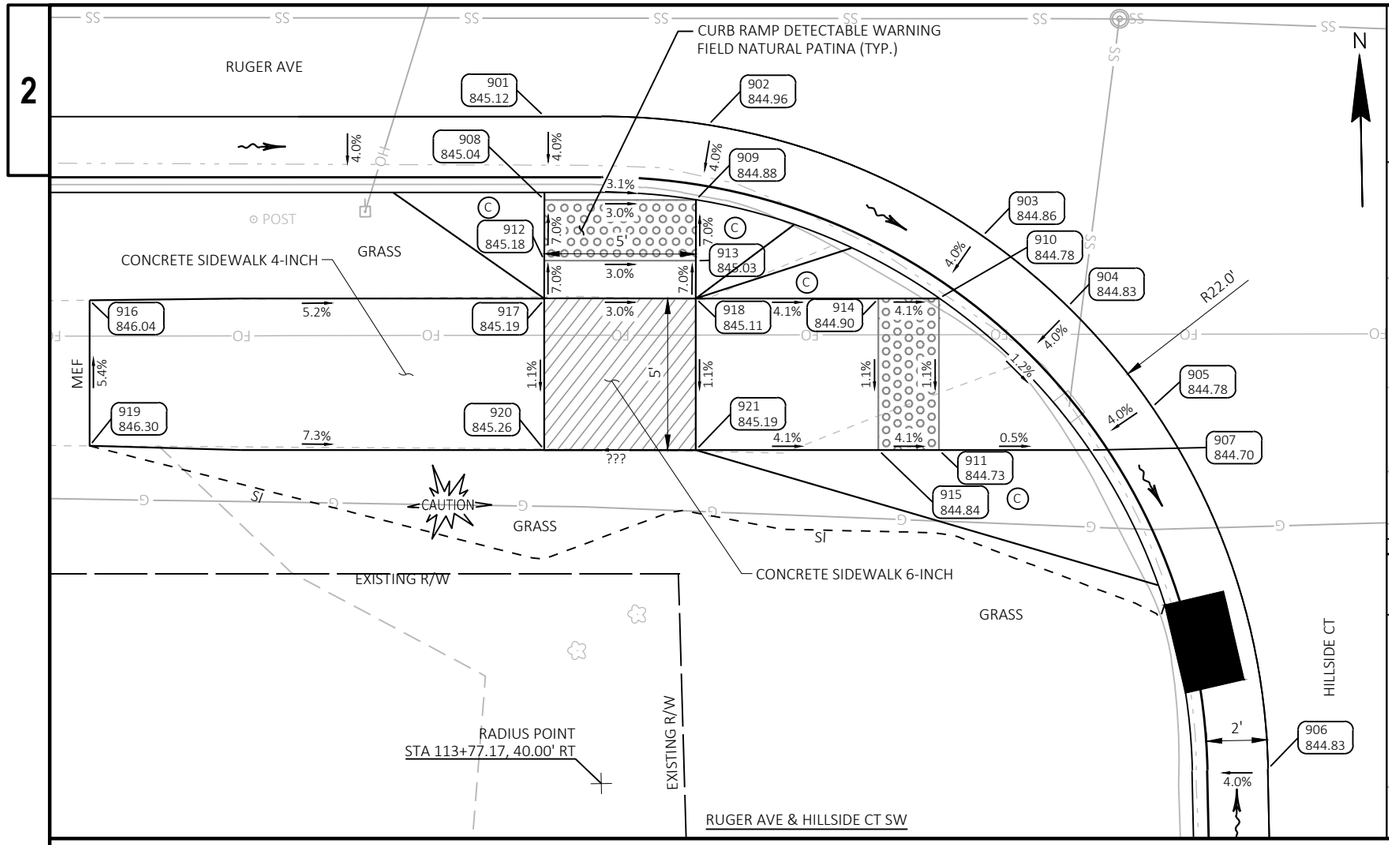
CURB RAMP DETAIL LEGEND

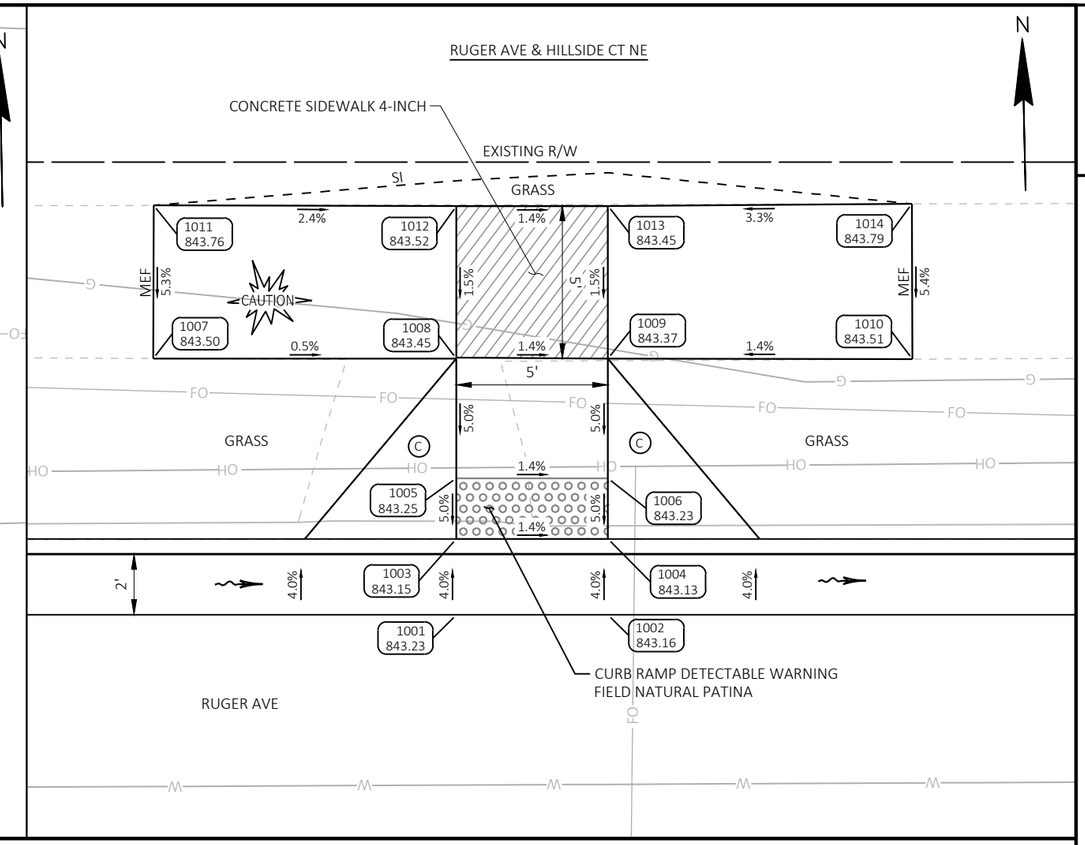
- LANDING AREA
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

HILLSIDE CT NW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
801	113+75.32	18.00' LT	845.12	270340.35	499873.25
802	113+80.32	18.00' LT	844.94	270340.24	499878.25
803	113+75.32	20.50' LT	845.04	270342.85	499873.31
804	113+80.32	20.50' LT	844.86	270342.74	499878.31
805	113+75.33	22.50' LT	845.14	270344.85	499873.35
806	113+80.33	22.50' LT	844.96	270344.74	499878.35
807	113+65.33	26.49' LT	845.78	270349.05	499863.44
808	113+75.33	26.47' LT	845.24	270348.82	499873.44
809	113+80.33	26.47' LT	845.16	270348.71	499878.44
810	113+90.33	26.46' LT	844.79	270348.49	499888.44
811	113+65.33	31.48' LT	845.87	270354.04	499863.55
812	113+75.34	31.45' LT	845.31	270353.80	499873.56
813	113+80.34	31.47' LT	845.24	270353.71	499878.56
814	113+90.33	31.46' LT	844.89	270353.49	499888.55





HILLSIDE CT SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
901	113+75.29	18.00' RT	845.12	270304.36	499872.46
902	113+80.69	18.28' RT	844.96	270303.96	499877.85
903	113+89.75	21.95' RT	844.86	270300.10	499886.82
904	113+92.56	24.28' RT	844.83	270297.72	499889.58
905	113+95.33	27.59' RT	844.78	270294.34	499892.29
906	113+99.16	39.52' RT	844.83	270282.33	499895.86
907	113+93.27	29.00' RT	844.70	270292.98	499890.19
908	113+75.29	20.75' RT	845.04	270301.61	499872.39
909	113+80.29	20.75' RT	844.88	270301.51	499877.39
910	113+88.32	24.00' RT	844.78	270298.08	499885.35
911	113+88.32	29.00' RT	844.73	270293.08	499885.24

HILLSIDE CT SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
912	113+75.29	22.75' RT	845.18	270299.61	499872.35
913	113+80.29	22.75' RT	845.03	270299.50	499877.35
914	113+86.32	24.00' RT	844.90	270298.12	499883.35
915	113+86.32	29.00' RT	844.84	270293.13	499883.24
916	113+60.28	24.06' RT	846.04	270298.62	499857.32
917	113+75.29	24.03' RT	845.19	270298.33	499872.32
918	113+80.29	24.00' RT	845.11	270298.25	499877.32
919	113+60.28	28.86' RT	846.30	270293.82	499857.22
920	113+75.29	29.00' RT	845.26	270293.36	499872.22
921	113+80.29	29.00' RT	845.19	270293.25	499877.22

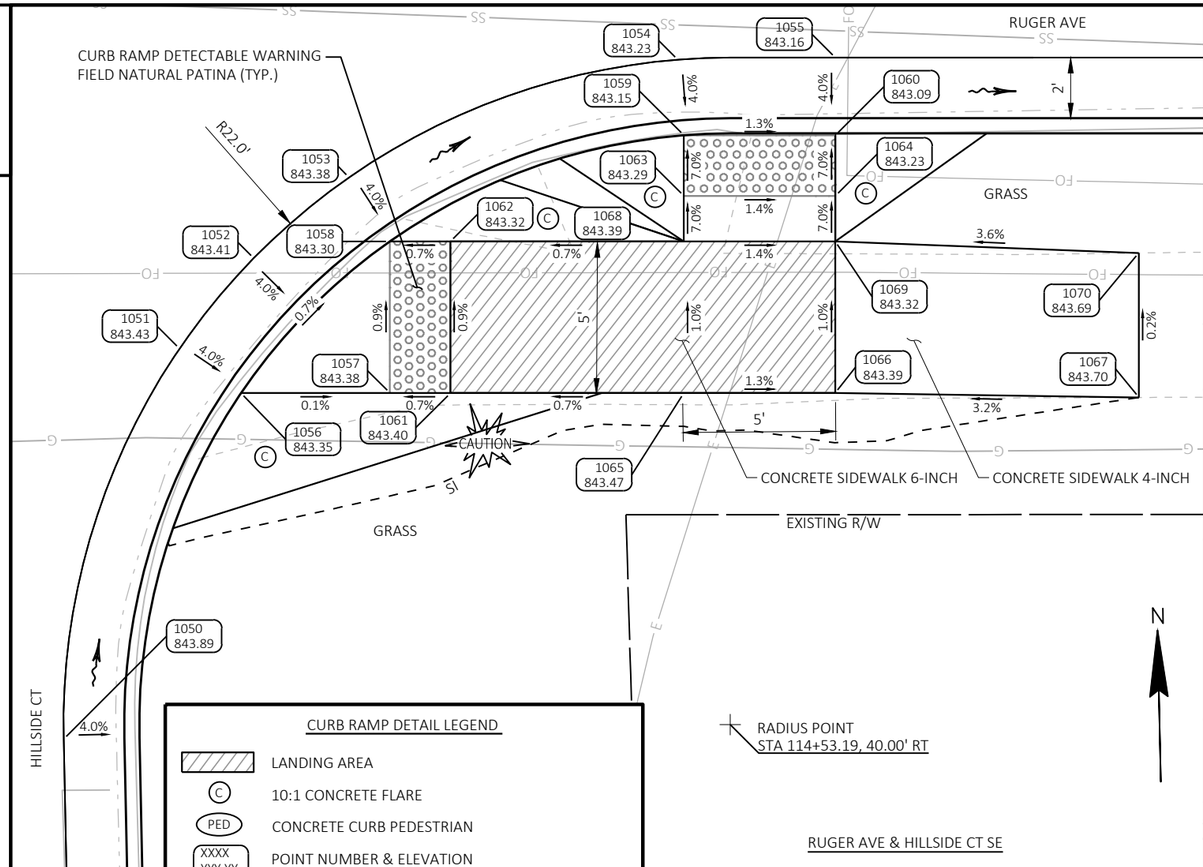
CURB RAMP DETAIL LEGEND

- LANDING AREA
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

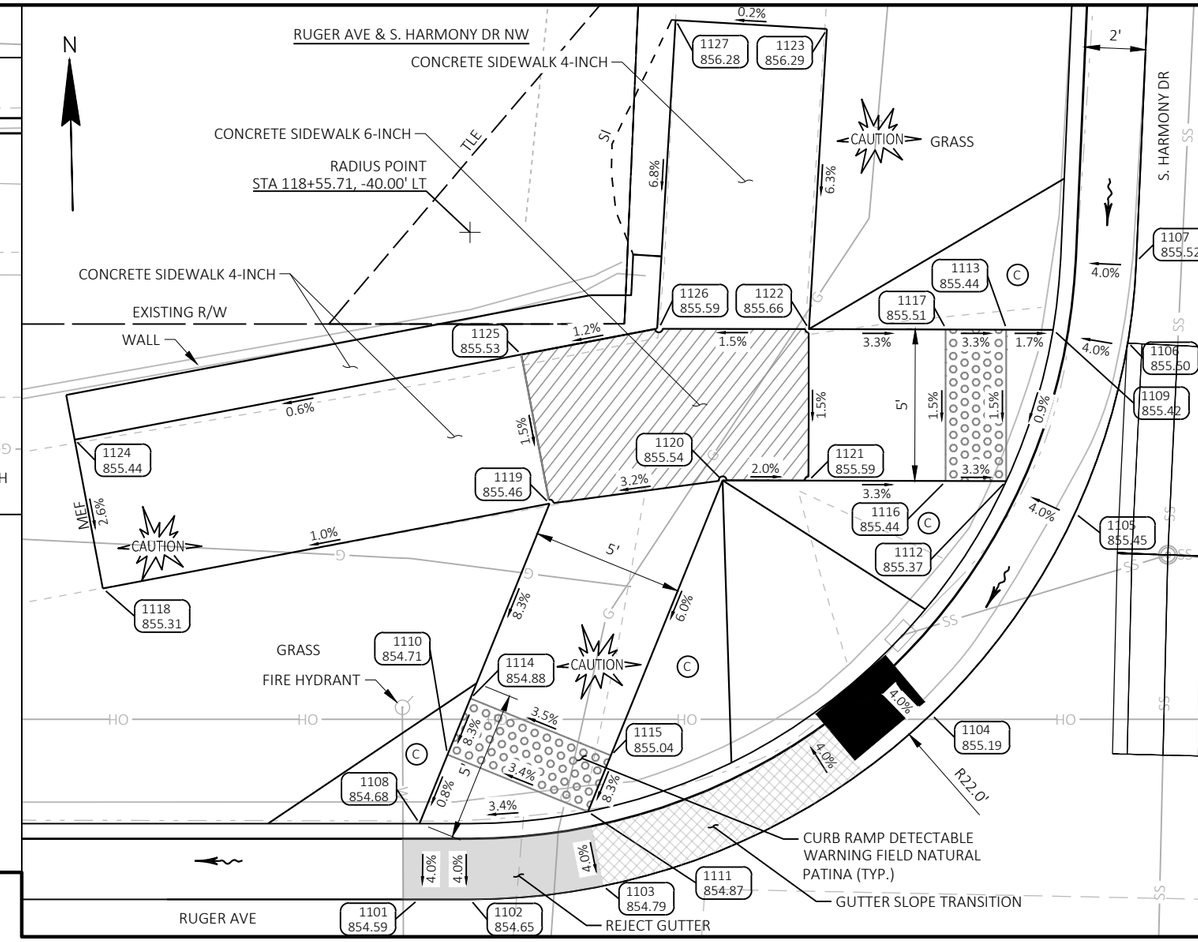
CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

HILLSIDE CT NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1001	114+51.65	18.00' LT	843.23	270338.72	499949.57
1002	114+56.65	18.00' LT	843.16	270338.61	499954.57
1003	114+51.65	20.50' LT	843.15	270341.22	499949.62
1004	114+56.65	20.50' LT	843.13	270341.11	499954.62
1005	114+51.65	22.50' LT	843.25	270343.22	499949.66
1006	114+56.65	22.50' LT	843.23	270343.11	499954.66
1007	114+41.66	26.45' LT	843.50	270347.38	499939.75
1008	114+51.65	26.45' LT	843.45	270347.17	499949.75
1009	114+56.65	26.45' LT	843.37	270347.06	499954.75
1010	114+66.69	26.43' LT	843.51	270346.83	499964.78
1011	114+41.67	31.50' LT	843.76	270352.43	499939.87
1012	114+51.65	31.48' LT	843.52	270352.20	499949.86
1013	114+56.65	31.48' LT	843.45	270352.09	499954.85
1014	114+66.68	31.55' LT	843.79	270351.95	499964.88



RUGER AVE & HILLSIDE CT SE



CURB RAMP DETAIL LEGEND

- LANDING AREA
- (C) 10:1 CONCRETE FLARE
- (PED) CONCRETE CURB PEDESTRIAN
- (XXXX YYY.YY) POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

HILLSIDE CT SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1050	114+31.19	40.48' RT	843.89	270280.69	499927.86
1051	114+35.02	27.60' RT	843.43	270293.49	499931.96
1052	114+37.46	24.61' RT	843.41	270296.42	499934.47
1053	114+40.61	21.95' RT	843.38	270299.02	499937.67
1054	114+51.46	18.07' RT	843.23	270302.66	499948.60
1055	114+56.65	18.00' RT	843.16	270302.62	499953.80
1056	114+37.04	29.06' RT	843.35	270291.98	499933.96
1057	114+41.95	29.06' RT	843.38	270291.88	499938.86
1058	114+41.95	24.06' RT	843.30	270296.88	499938.97
1059	114+51.65	20.56' RT	843.15	270300.17	499948.74
1060	114+56.65	20.56' RT	843.09	270300.06	499953.74
1061	114+43.95	29.06' RT	843.40	270291.83	499940.86
1062	114+43.95	24.06' RT	843.32	270296.83	499940.97
1063	114+51.65	22.56' RT	843.29	270298.17	499948.70
1064	114+56.65	22.56' RT	843.23	270298.06	499953.70

HILLSIDE CT SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1065	114+51.65	29.06' RT	843.47	270291.67	499948.56
1066	114+56.65	29.06' RT	843.39	270291.56	499953.56
1067	114+66.67	29.21' RT	843.70	270291.20	499963.57
1068	114+51.65	24.06' RT	843.39	270296.67	499948.67
1069	114+56.65	24.06' RT	843.32	270296.56	499953.67
1070	114+66.67	24.44' RT	843.69	270295.96	499963.67

S. HARMONY DR NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1101	118+54.00	18.00' LT	854.59	270330.12	500351.82
1102	118+55.71	18.00' LT	854.65	270330.09	500353.53
1103	118+60.09	18.44' LT	854.79	270330.43	500357.92
1104	118+70.92	24.10' LT	855.19	270335.87	500368.86
1105	118+75.66	30.74' LT	855.45	270342.39	500373.75
1106	118+77.40	36.37' LT	855.50	270347.99	500375.61
1107	118+77.68	39.03' LT	855.52	270350.64	500375.95
1108	118+54.04	20.50' LT	854.68	270332.62	500351.91
1109	118+74.94	36.79' LT	855.42	270348.46	500373.16
1110	118+54.96	22.77' LT	854.71	270334.88	500352.88
1111	118+59.59	20.89' LT	854.87	270332.89	500357.47
1112	118+73.39	31.79' LT	855.37	270343.50	500371.50
1113	118+73.41	36.79' LT	855.44	270348.49	500371.63
1114	118+55.71	24.63' LT	854.88	270336.71	500353.68

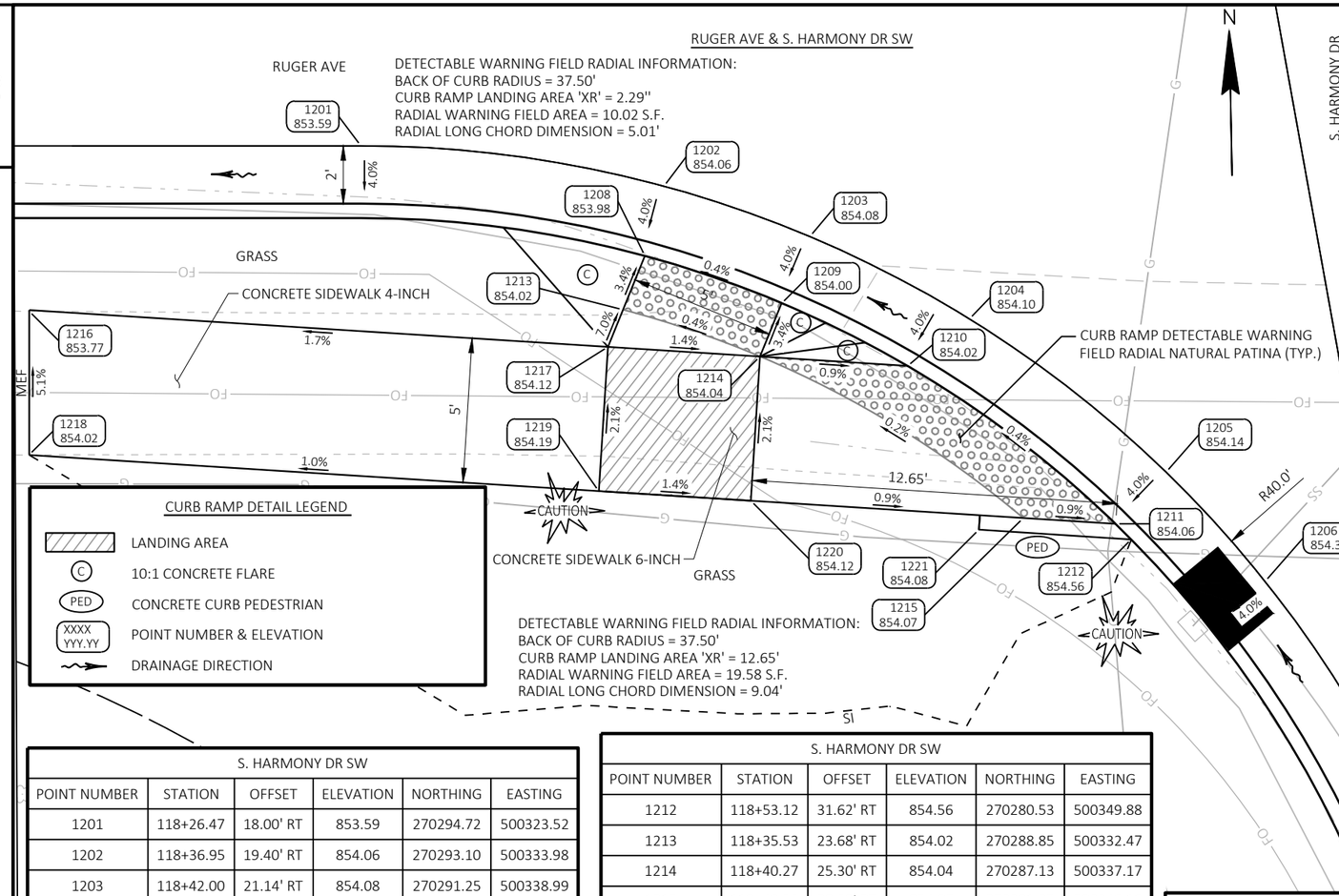
S. HARMONY DR NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1115	118+60.35	22.74' LT	855.04	270334.73	500358.27
1116	118+71.39	31.79' LT	855.44	270343.54	500369.50
1117	118+71.41	36.79' LT	855.51	270348.54	500369.63
1118	118+43.59	28.25' LT	855.31	270340.59	500341.63
1119	118+58.33	31.06' LT	855.46	270343.08	500356.43
1120	118+64.03	31.82' LT	855.54	270343.72	500362.15
1121	118+66.87	31.81' LT	855.59	270343.65	500364.98
1122	118+66.88	36.81' LT	855.66	270348.65	500365.10
1123	118+67.48	46.70' LT	856.29	270358.53	500365.91
1124	118+42.66	33.16' LT	855.44	270345.52	500340.80
1125	118+57.39	35.97' LT	855.53	270348.01	500355.60
1126	118+61.93	36.82' LT	855.59	270348.77	500360.15
1127	118+62.48	47.00' LT	856.28	270358.94	500360.92

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CURB RAMP DETAILS: HILLSIDE COURT & S. HARMONY DRIVE	SHEET 29	E

2

RUGER AVE & S. HARMONY DR SW



CURB RAMP DETAIL LEGEND

- LANDING AREA
- 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

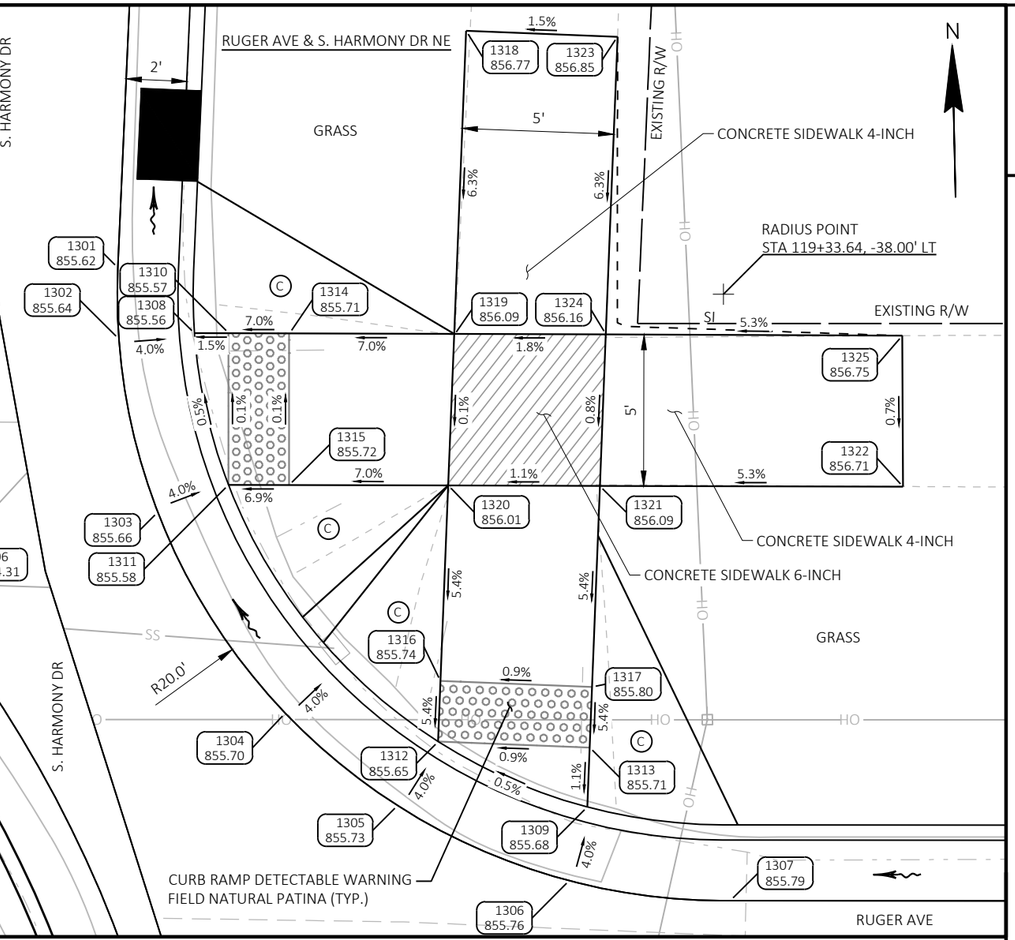
S. HARMONY DR SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1201	118+26.47	18.00' RT	853.59	270294.72	500323.52
1202	118+36.95	19.40' RT	854.06	270293.10	500333.98
1203	118+42.00	21.14' RT	854.08	270291.25	500338.99
1204	118+47.52	23.99' RT	854.10	270288.28	500344.45
1205	118+54.32	29.29' RT	854.14	270282.83	500351.13
1206	118+57.75	33.07' RT	854.31	270278.98	500354.48
1207	118+65.45	66.94' RT	855.69	270244.96	500361.46
1208	118+36.29	21.81' RT	853.98	270290.70	500333.27
1209	118+41.02	23.46' RT	854.00	270288.95	500337.96
1210	118+45.38	25.62' RT	854.02	270286.70	500342.27
1211	118+52.58	31.09' RT	854.06	270281.08	500349.35

S. HARMONY DR SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1212	118+53.12	31.62' RT	854.56	270280.53	500349.88
1213	118+35.53	23.68' RT	854.02	270288.85	500332.47
1214	118+40.27	25.30' RT	854.04	270287.13	500337.17
1215	118+49.38	30.88' RT	854.07	270281.35	500346.16
1216	118+14.99	23.73' RT	853.77	270289.24	500311.93
1217	118+35.01	24.96' RT	854.12	270287.58	500331.92
1218	118+14.99	28.70' RT	854.02	270284.27	500311.82
1219	118+34.70	29.95' RT	854.19	270282.60	500331.50
1220	118+39.96	30.29' RT	854.12	270282.15	500336.75
1221	118+47.85	31.29' RT	854.08	270280.98	500344.62

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

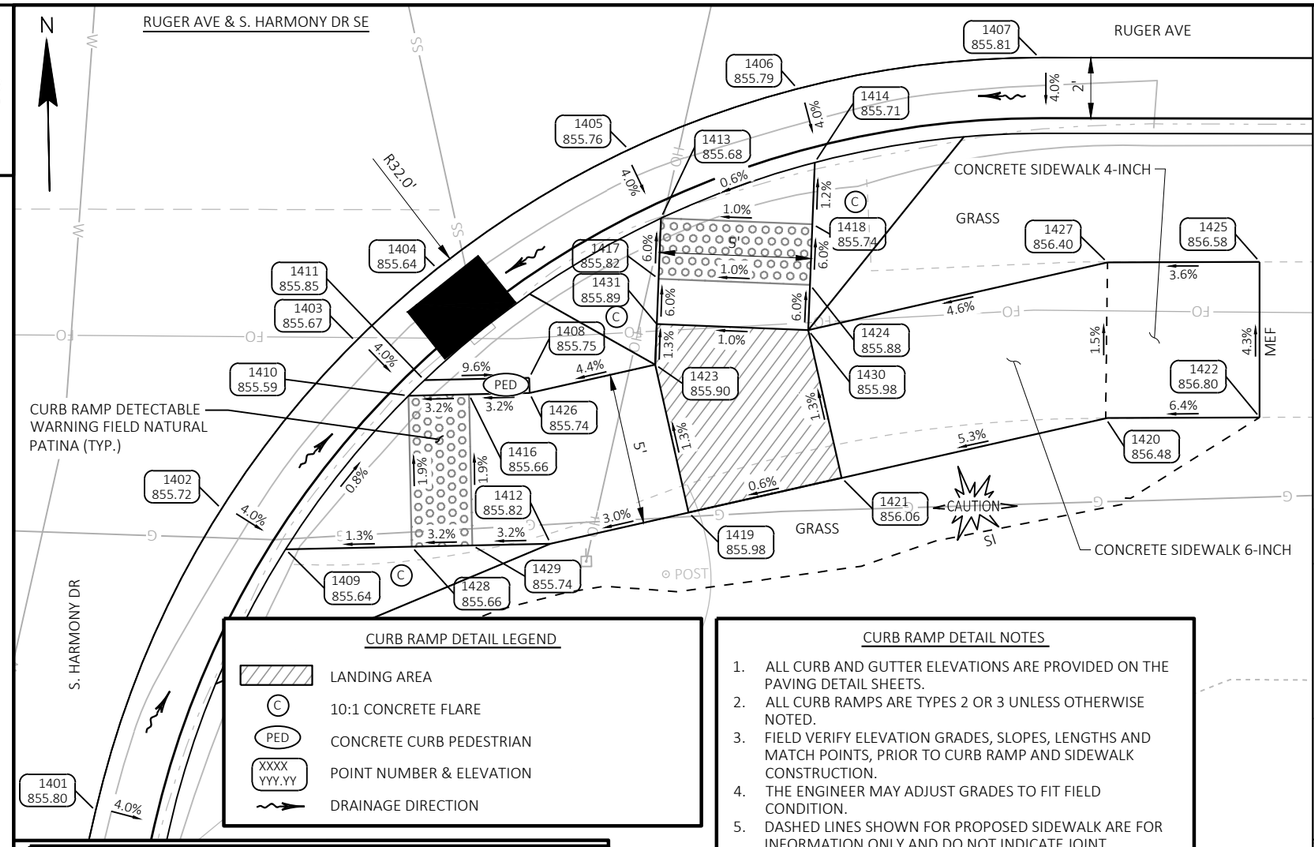
RUGER AVE & S. HARMONY DR NE

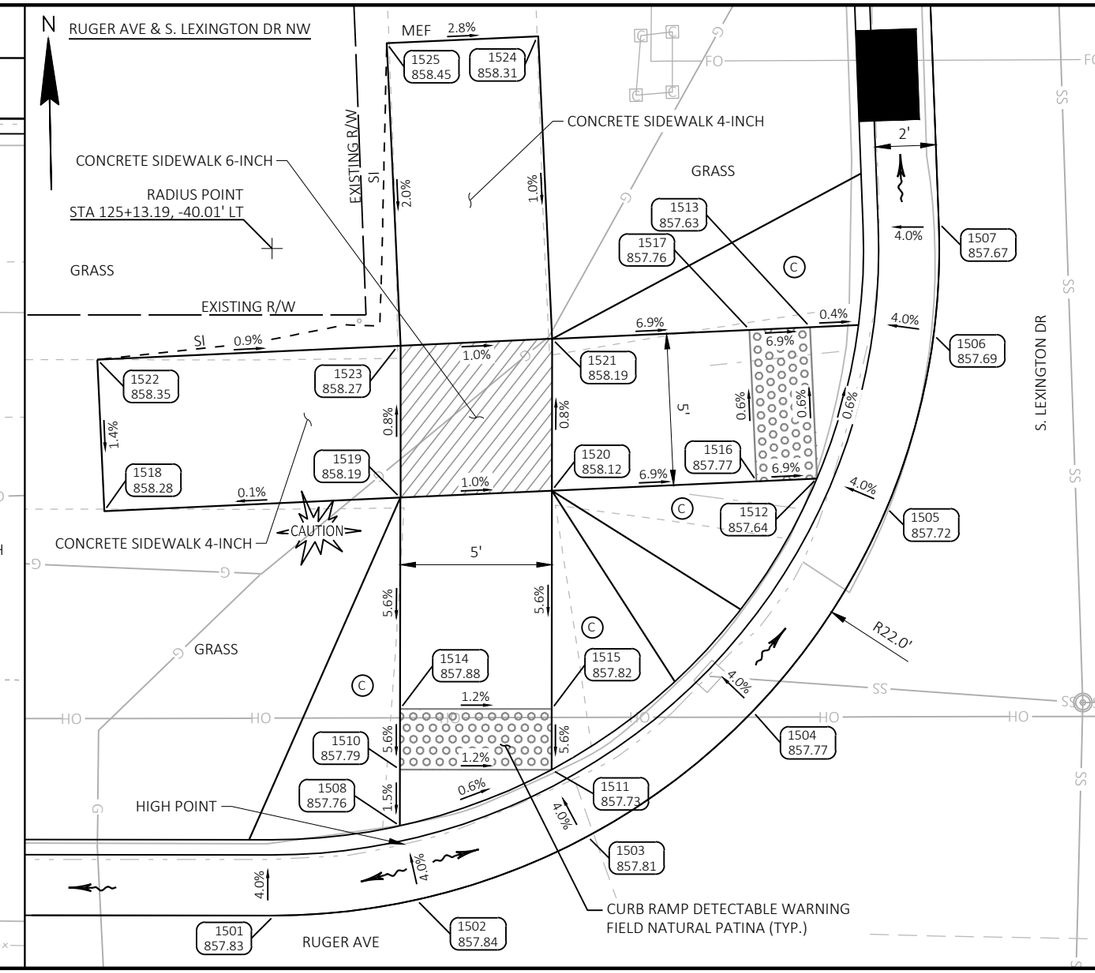


S. HARMONY DR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1301	119+13.66	38.86' LT	855.62	270349.68	500411.96
1302	119+13.70	36.50' LT	855.64	270347.33	500411.95
1303	119+14.99	30.79' LT	855.66	270341.59	500413.11
1304	119+19.20	24.16' LT	855.70	270334.87	500417.17
1305	119+22.91	21.12' LT	855.73	270331.75	500420.81
1306	119+28.58	18.65' LT	855.76	270329.15	500426.42
1307	119+33.90	18.00' LT	855.79	270328.37	500431.72
1308	119+16.19	36.69' LT	855.56	270347.46	500414.44
1309	119+29.17	21.08' LT	855.68	270331.56	500427.07
1310	119+17.33	36.69' LT	855.57	270347.43	500415.58
1311	119+17.32	31.69' LT	855.58	270342.43	500415.46
1312	119+24.25	23.23' LT	855.65	270333.82	500422.20
1313	119+29.25	23.04' LT	855.71	270333.52	500427.19

S. HARMONY DR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1314	119+19.33	36.69' LT	855.71	270347.39	500417.58
1315	119+19.32	31.69' LT	855.72	270342.39	500417.46
1316	119+24.33	25.23' LT	855.74	270335.82	500422.32
1317	119+29.33	25.04' LT	855.80	270335.52	500427.31
1318	119+25.15	46.68' LT	856.77	270357.24	500423.62
1319	119+24.76	36.64' LT	856.09	270347.21	500423.01
1320	119+24.57	31.68' LT	856.01	270342.26	500422.71
1321	119+29.58	31.67' LT	856.09	270342.14	500427.71
1322	119+39.58	31.66' LT	856.71	270341.90	500437.71
1323	119+30.14	46.49' LT	856.85	270356.94	500428.61
1324	119+29.77	36.67' LT	856.16	270347.13	500428.02
1325	119+39.54	36.64' LT	856.75	270346.88	500437.79

2





2

CURB RAMP DETAIL LEGEND

- LANDING AREA
- 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX / YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

RADIUS POINT
STA 119+35.05, 50.00' RT

S. HARMONY DR SE

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1401	119+03.85	42.89' RT	855.80	270268.18	500400.31
1402	119+07.99	32.92' RT	855.72	270278.05	500404.67
1403	119+12.41	27.39' RT	855.67	270283.49	500409.21
1404	119+15.09	24.98' RT	855.64	270285.83	500411.95
1405	119+21.41	21.05' RT	855.76	270289.62	500418.36
1406	119+26.97	19.04' RT	855.79	270291.50	500423.96
1407	119+34.95	18.00' RT	855.81	270292.36	500431.97
1408	119+18.14	28.59' RT	855.75	270282.16	500414.92
1409	119+10.11	34.26' RT	855.64	270276.67	500406.76
1410	119+14.15	29.18' RT	855.59	270281.66	500410.92
1411	119+14.68	28.66' RT	855.85	270282.16	500411.45
1412	119+18.85	34.05' RT	855.82	270276.67	500415.50
1413	119+22.48	23.31' RT	855.68	270287.33	500419.37
1414	119+27.55	21.47' RT	855.71	270289.06	500424.49
1416	119+16.15	29.13' RT	855.66	270281.66	500412.92
1417	119+22.40	25.31' RT	855.82	270285.34	500419.25
1418	119+27.48	23.50' RT	855.74	270287.03	500424.36
1419	119+23.40	33.02' RT	855.98	270277.60	500420.08

S. HARMONY DR SE

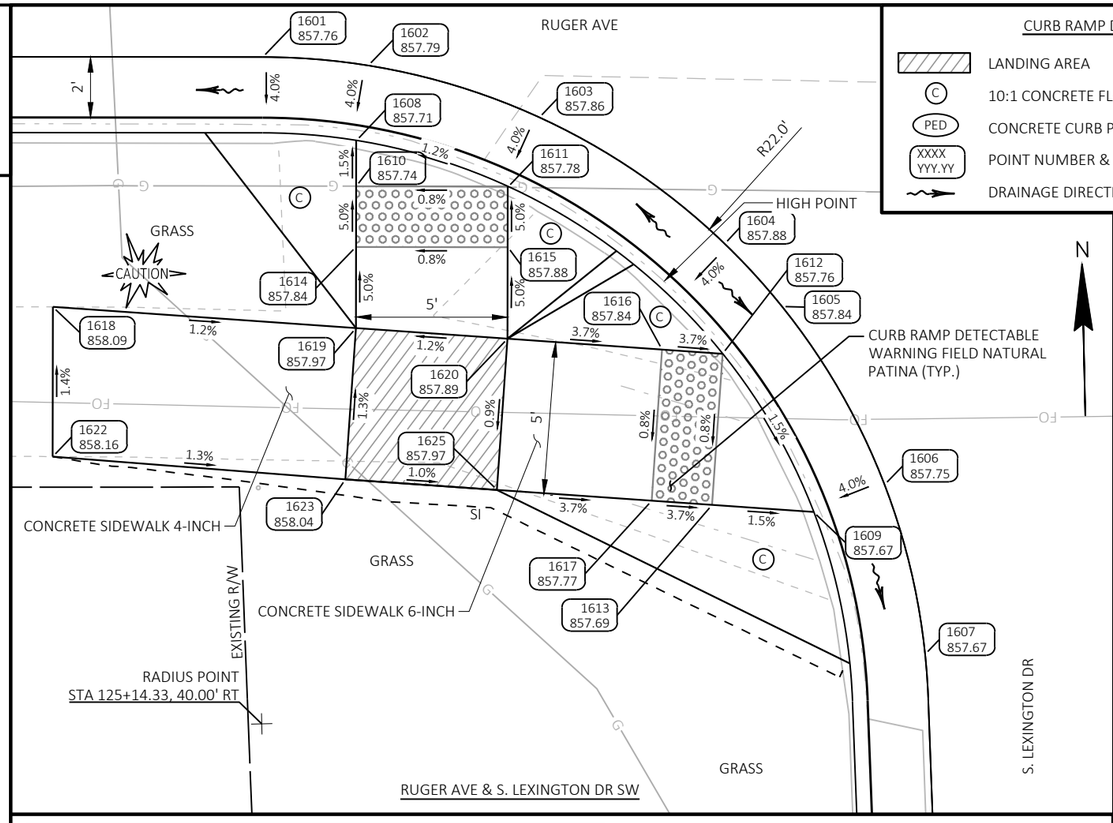
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1420	119+37.16	29.89' RT	856.48	270280.42	500433.90
1421	119+28.45	31.87' RT	856.06	270278.64	500425.15
1422	119+42.24	29.86' RT	856.80	270280.34	500438.98
1423	119+22.30	28.14' RT	855.90	270282.50	500419.08
1424	119+27.40	25.50' RT	855.88	270285.03	500424.24
1425	119+42.24	24.73' RT	856.58	270285.47	500439.09
1426	119+18.15	29.09' RT	855.74	270281.66	500414.92
1427	119+37.21	24.75' RT	856.40	270285.56	500434.07
1428	119+14.27	34.16' RT	855.66	270276.67	500410.92
1429	119+16.27	34.11' RT	855.74	270276.67	500412.92
1430	119+27.34	27.00' RT	855.98	270283.54	500424.15
1431	119+22.35	26.81' RT	855.89	270283.84	500419.16

S. LEXINGTON DR NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1501	125+13.27	18.00' LT	857.83	270315.29	501010.95
1502	125+17.97	18.53' LT	857.84	270315.71	501015.66
1503	125+23.61	20.62' LT	857.81	270317.68	501021.34
1504	125+29.05	24.75' LT	857.77	270321.68	501026.88
1505	125+33.47	31.47' LT	857.72	270328.30	501031.45
1506	125+35.01	37.19' LT	857.69	270333.98	501033.12
1507	125+35.18	40.86' LT	857.67	270337.65	501033.37
1508	125+17.43	20.96' LT	857.76	270318.16	501015.17
1509	125+22.43	22.82' LT	857.73	270319.90	501020.21
1510	125+17.43	22.82' LT	857.79	270320.02	501015.21
1511	125+22.43	22.82' LT	857.73	270319.90	501020.21
1512	125+31.17	32.44' LT	857.64	270329.32	501029.17
1513	125+30.94	37.43' LT	857.63	270334.32	501029.05

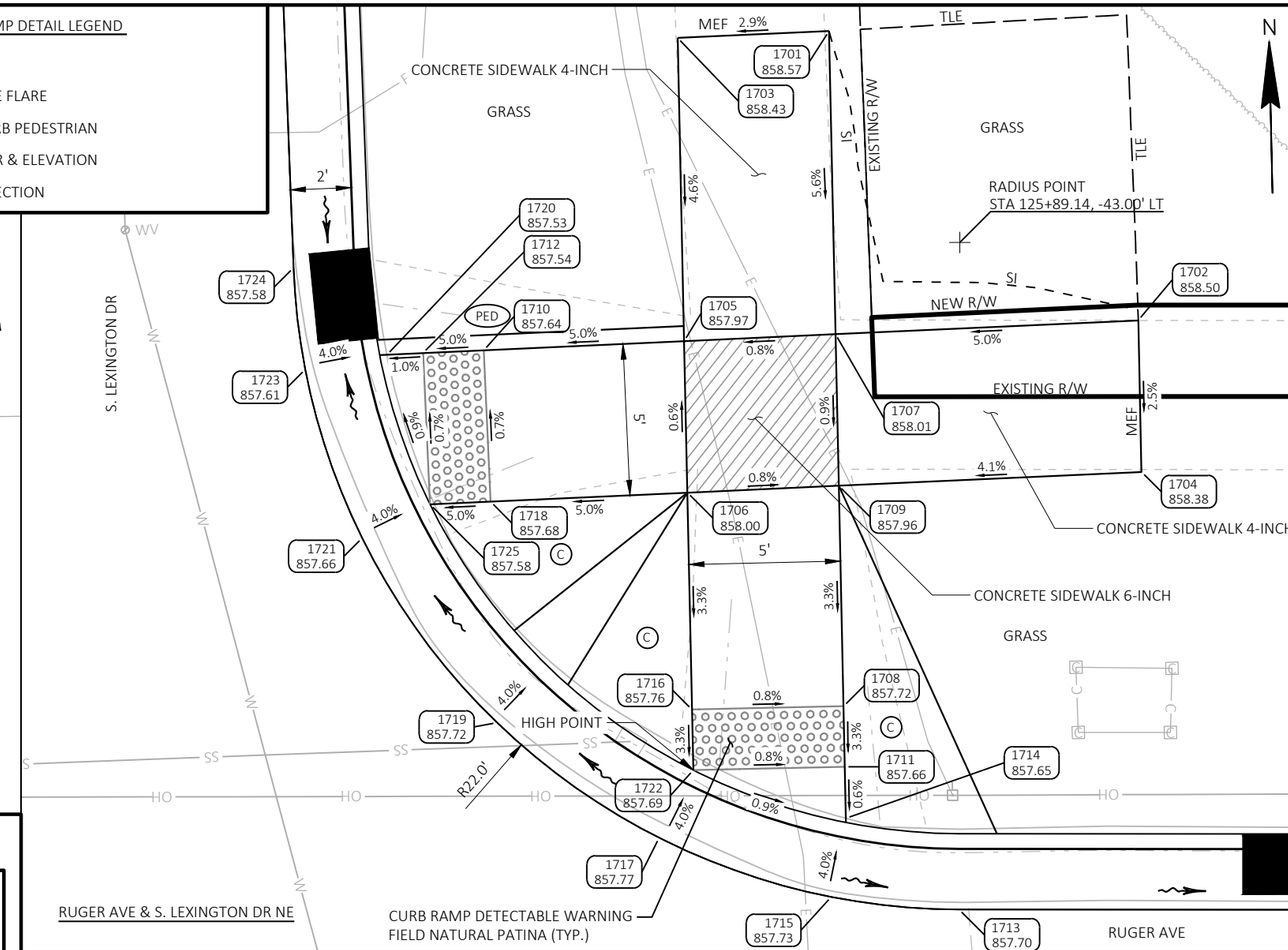
S. LEXINGTON DR NW

POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1514	125+17.43	24.82' LT	857.88	270322.01	501015.26
1515	125+22.43	24.82' LT	857.82	270321.90	501020.25
1516	125+29.17	32.35' LT	857.77	270329.27	501027.17
1517	125+28.94	37.34' LT	857.76	270334.27	501027.05
1518	125+07.66	31.34' LT	858.28	270328.75	501005.64
1519	125+17.43	31.79' LT	858.19	270328.98	501015.41
1520	125+22.42	32.03' LT	858.12	270329.11	501020.42
1521	125+22.43	37.03' LT	858.19	270334.11	501020.53
1522	125+07.43	36.33' LT	858.35	270333.75	501005.52
1523	125+17.33	36.80' LT	858.27	270333.99	501015.43
1524	125+21.92	47.01' LT	858.31	270344.10	501020.25
1525	125+16.96	46.78' LT	858.45	270343.98	501015.28



CURB RAMP DETAIL LEGEND

- LANDING AREA
- 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION



S. LEXINGTON DR SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1601	125+14.33	18.00' RT	857.76	270279.27	501011.20
1602	125+17.82	18.28' RT	857.79	270278.92	501014.68
1603	125+23.46	19.98' RT	857.86	270277.08	501020.28
1604	125+29.58	24.14' RT	857.88	270272.79	501026.30
1605	125+31.47	26.20' RT	857.84	270270.69	501028.14
1606	125+34.86	32.09' RT	857.75	270264.72	501031.40
1607	125+36.21	37.68' RT	857.67	270259.10	501032.63
1608	125+17.43	20.75' RT	857.71	270276.46	501014.23
1609	125+32.53	32.99' RT	857.67	270263.88	501029.05
1610	125+17.43	22.26' RT	857.74	270274.95	501014.19
1611	125+22.43	22.29' RT	857.78	270274.81	501019.19
1612	125+29.52	27.77' RT	857.76	270269.16	501026.16
1613	125+29.18	32.76' RT	857.69	270264.18	501025.71
1614	125+17.43	24.26' RT	857.84	270272.95	501014.15
1615	125+22.43	24.26' RT	857.88	270272.83	501019.15
1616	125+27.53	27.63' RT	857.84	270269.34	501024.17
1617	125+27.18	32.62' RT	857.77	270264.36	501023.71
1618	125+07.43	26.25' RT	858.09	270271.18	501004.10

CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.

S. LEXINGTON DR SW					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1619	125+17.43	26.94' RT	857.97	270270.27	501014.09
1620	125+22.43	27.28' RT	857.89	270269.81	501019.08
1622	125+07.43	31.19' RT	858.16	270266.24	501003.99
1623	125+17.08	31.93' RT	858.04	270265.29	501013.63
1625	125+22.08	32.27' RT	857.97	270264.83	501018.62

S. LEXINGTON DR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1701	125+84.81	49.97' LT	858.57	270345.63	501083.19
1702	125+95.03	40.44' LT	858.50	270335.87	501093.19
1703	125+79.82	49.74' LT	858.43	270345.51	501078.19
1704	125+95.15	35.44' LT	858.38	270330.87	501093.19
1705	125+80.04	39.74' LT	857.97	270335.51	501078.19
1706	125+80.16	34.74' LT	858.00	270330.51	501078.19
1707	125+85.04	39.97' LT	858.01	270335.63	501083.19
1708	125+85.32	27.70' LT	857.72	270323.35	501083.19
1709	125+85.15	34.97' LT	857.96	270330.63	501083.19
1710	125+73.43	39.43' LT	857.64	270335.35	501071.57
1711	125+85.36	25.70' LT	857.66	270321.35	501083.19
1712	125+71.43	39.33' LT	857.54	270335.30	501069.57
1713	125+89.14	21.00' LT	857.70	270316.57	501086.86

S. LEXINGTON DR NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1714	125+85.40	24.00' LT	857.65	270319.66	501083.19
1715	125+84.93	21.41' LT	857.73	270317.07	501082.66
1716	125+80.32	27.58' LT	857.76	270323.35	501078.19
1717	125+79.24	23.35' LT	857.77	270319.15	501077.02
1718	125+73.66	34.43' LT	857.68	270330.35	501071.69
1719	125+73.89	27.14' LT	857.72	270323.06	501071.75
1720	125+70.23	39.28' LT	857.53	270335.27	501068.38
1721	125+69.43	33.23' LT	857.66	270329.24	501067.43
1722	125+80.36	25.58' LT	857.69	270321.35	501078.19
1723	125+67.54	38.79' LT	857.61	270334.84	501065.67
1724	125+67.15	42.14' LT	857.58	270338.20	501065.36
1725	125+71.66	34.34' LT	857.58	270330.30	501069.70

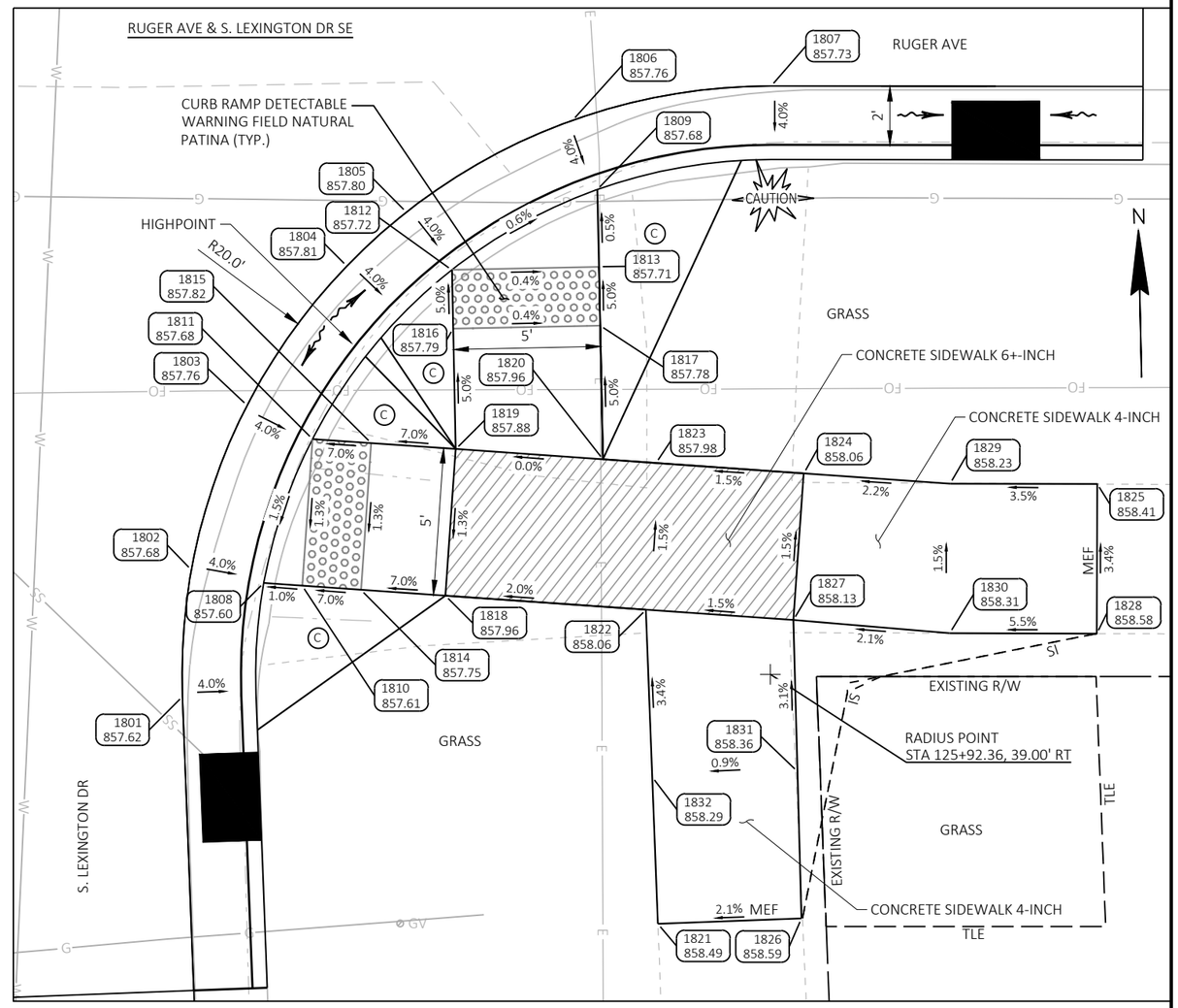
S. LEXINGTON DR SE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
1801	125+72.37	39.78' RT	857.62	270256.18	501068.73
1802	125+72.67	35.48' RT	857.68	270260.48	501069.12
1803	125+74.56	29.88' RT	857.76	270266.03	501071.14
1804	125+77.94	25.14' RT	857.81	270270.70	501074.62
1805	125+79.96	23.30' RT	857.80	270272.49	501076.69
1806	125+85.61	20.17' RT	857.76	270275.49	501082.41
1807	125+92.36	19.00' RT	857.73	270276.51	501089.18
1808	125+75.13	35.92' RT	857.60	270259.99	501071.57
1809	125+86.45	22.53' RT	857.68	270273.12	501083.19
1810	125+76.44	36.01' RT	857.61	270259.87	501072.88
1811	125+76.78	31.02' RT	857.68	270264.84	501073.33
1812	125+81.51	25.26' RT	857.72	270270.49	501078.19
1813	125+86.51	25.15' RT	857.71	270270.49	501083.19
1814	125+78.43	36.15' RT	857.75	270259.68	501074.87
1815	125+78.78	31.16' RT	857.82	270264.66	501075.33
1816	125+81.56	27.26' RT	857.79	270268.49	501078.19
1817	125+86.55	27.15' RT	857.78	270268.49	501083.19
1818	125+81.31	36.34' RT	857.96	270259.42	501077.74
1819	125+81.65	31.35' RT	857.88	270264.40	501078.19
1820	125+86.66	31.70' RT	857.96	270263.94	501083.19
1821	125+88.55	47.49' RT	858.49	270248.11	501084.72
1822	125+88.12	36.81' RT	858.06	270258.80	501084.54
1823	125+88.47	31.82' RT	857.98	270263.78	501085.00
1824	125+93.48	32.17' RT	858.06	270263.32	501090.01
1825	126+03.46	32.52' RT	858.41	270262.74	501099.97
1826	125+93.43	47.30' RT	858.59	270248.19	501089.61
1827	125+93.14	37.16' RT	858.13	270258.34	501089.55
1828	126+03.45	37.61' RT	858.58	270257.66	501099.85
1829	125+98.46	32.51' RT	858.23	270262.86	501094.97
1830	125+98.45	37.60' RT	858.31	270257.78	501094.85
1831	125+93.29	42.30' RT	858.36	270253.19	501089.58
1832	125+88.35	42.50' RT	858.29	270253.11	501084.64

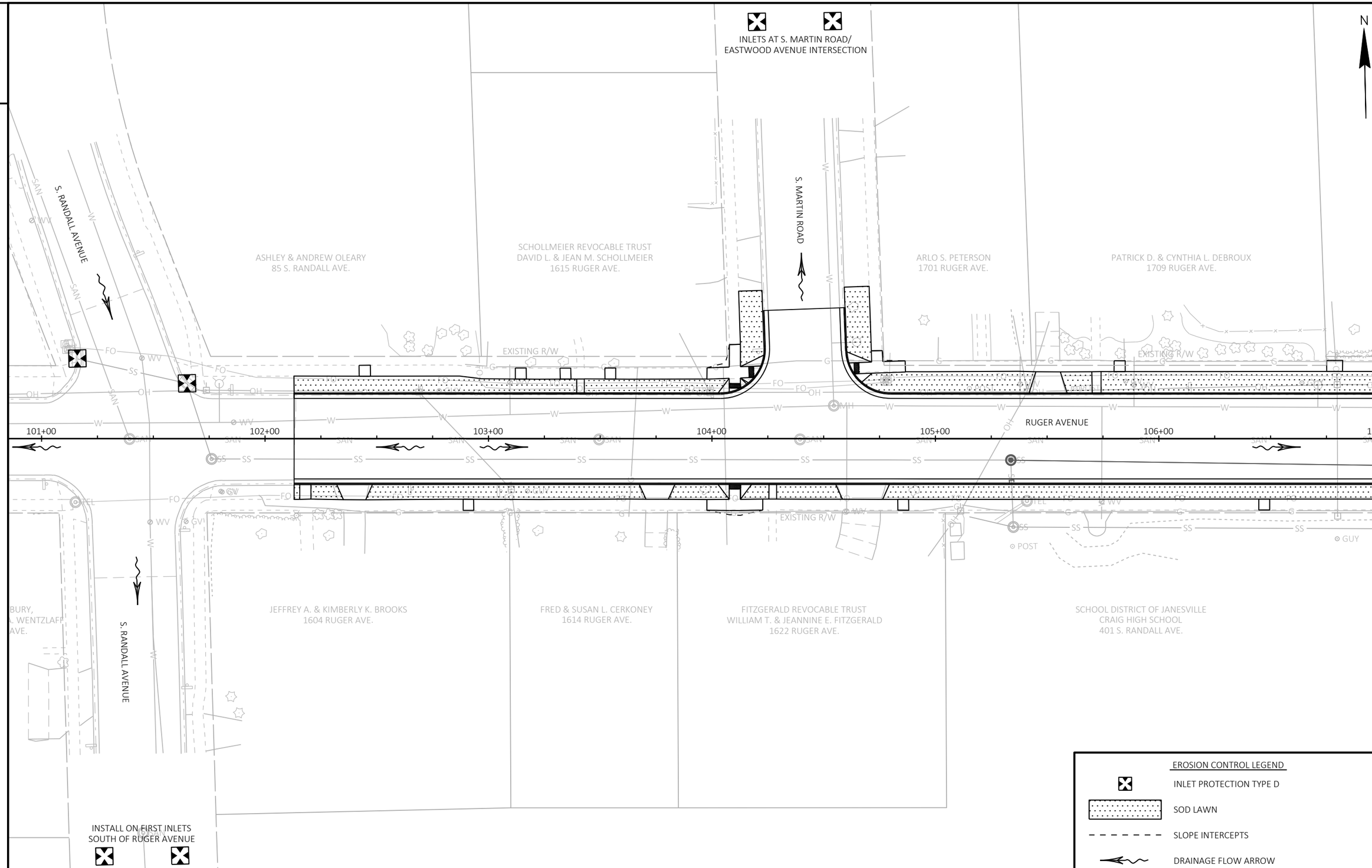
CURB RAMP DETAIL LEGEND

- LANDING AREA
- C — 10:1 CONCRETE FLARE
- PED — CONCRETE CURB PEDESTRIAN
- XXXX YYY.YY — POINT NUMBER & ELEVATION
- DRAINAGE DIRECTION

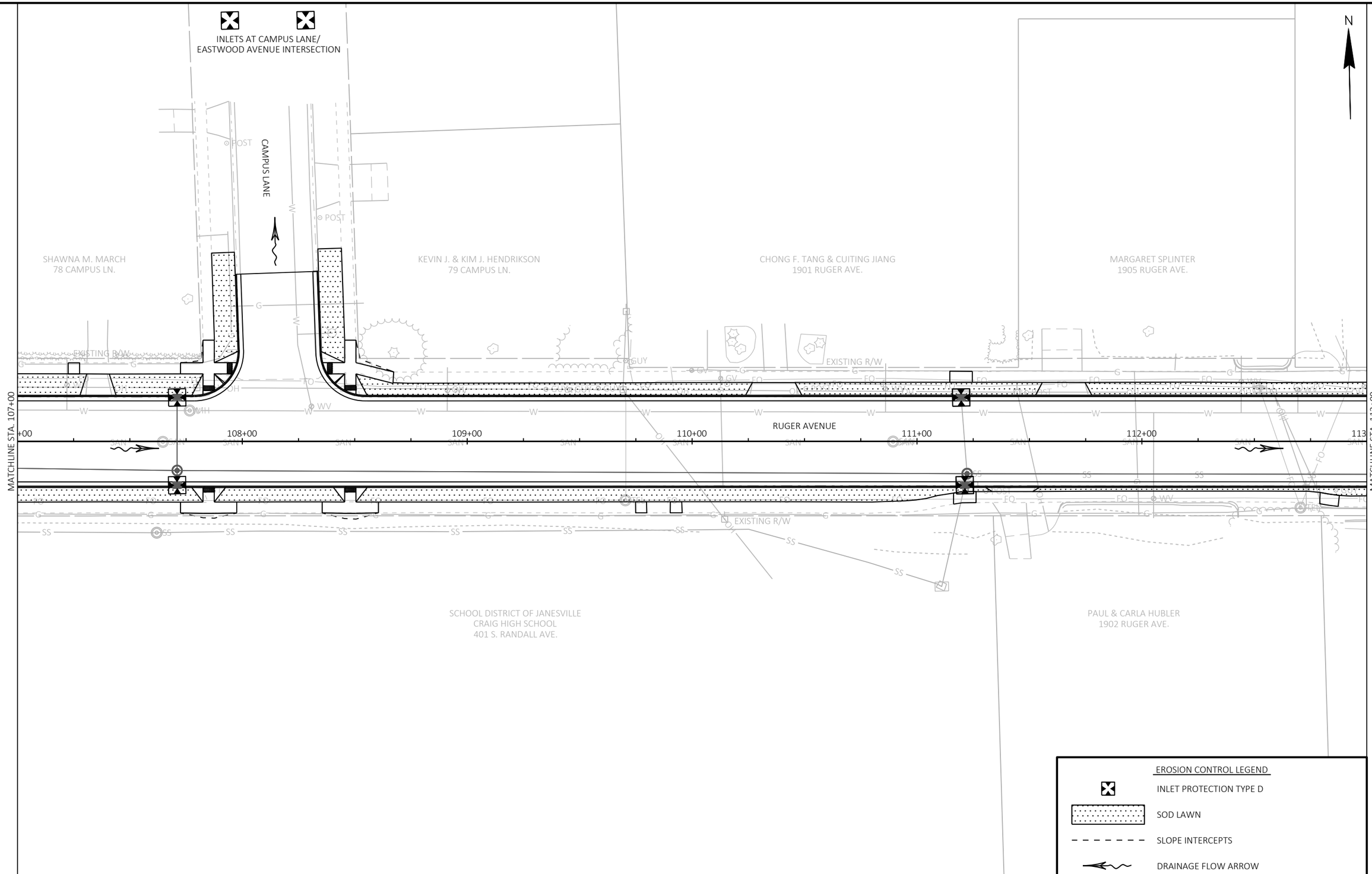
CURB RAMP DETAIL NOTES

1. ALL CURB AND GUTTER ELEVATIONS ARE PROVIDED ON THE PAVING DETAIL SHEETS.
2. ALL CURB RAMPS ARE TYPES 2 OR 3 UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ELEVATION GRADES, SLOPES, LENGTHS AND MATCH POINTS, PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
4. THE ENGINEER MAY ADJUST GRADES TO FIT FIELD CONDITION.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALK ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS.
6. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS.




INLETS AT S. MARTIN ROAD/
EASTWOOD AVENUE INTERSECTION
N
S. RANDALL AVENUE
S. MARTIN ROAD
ASHLEY & ANDREW OLEARY
85 S. RANDALL AVE.
SCHOLLMEIER REVOCABLE TRUST
DAVID L. & JEAN M. SCHOLLMEIER
1615 RUGER AVE.
ARLO S. PETERSON
1701 RUGER AVE.
PATRICK D. & CYNTHIA L. DEBROUX
1709 RUGER AVE.
EXISTING R/W
RUGER AVENUE
101+00
102+00
103+00
104+00
105+00
106+00
MATCHLINE STA. 107+00
JEFFREY A. & KIMBERLY K. BROOKS
1604 RUGER AVE.
FRED & SUSAN L. CERKONEY
1614 RUGER AVE.
FITZGERALD REVOCABLE TRUST
WILLIAM T. & JEANNINE E. FITZGERALD
1622 RUGER AVE.
SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.
INSTALL ON FIRST INLETS
SOUTH OF RUGER AVENUE
EROSION CONTROL LEGEND
INLET PROTECTION TYPE D
SOD LAWN
SLOPE INTERCEPTS
DRAINAGE FLOW ARROW

2

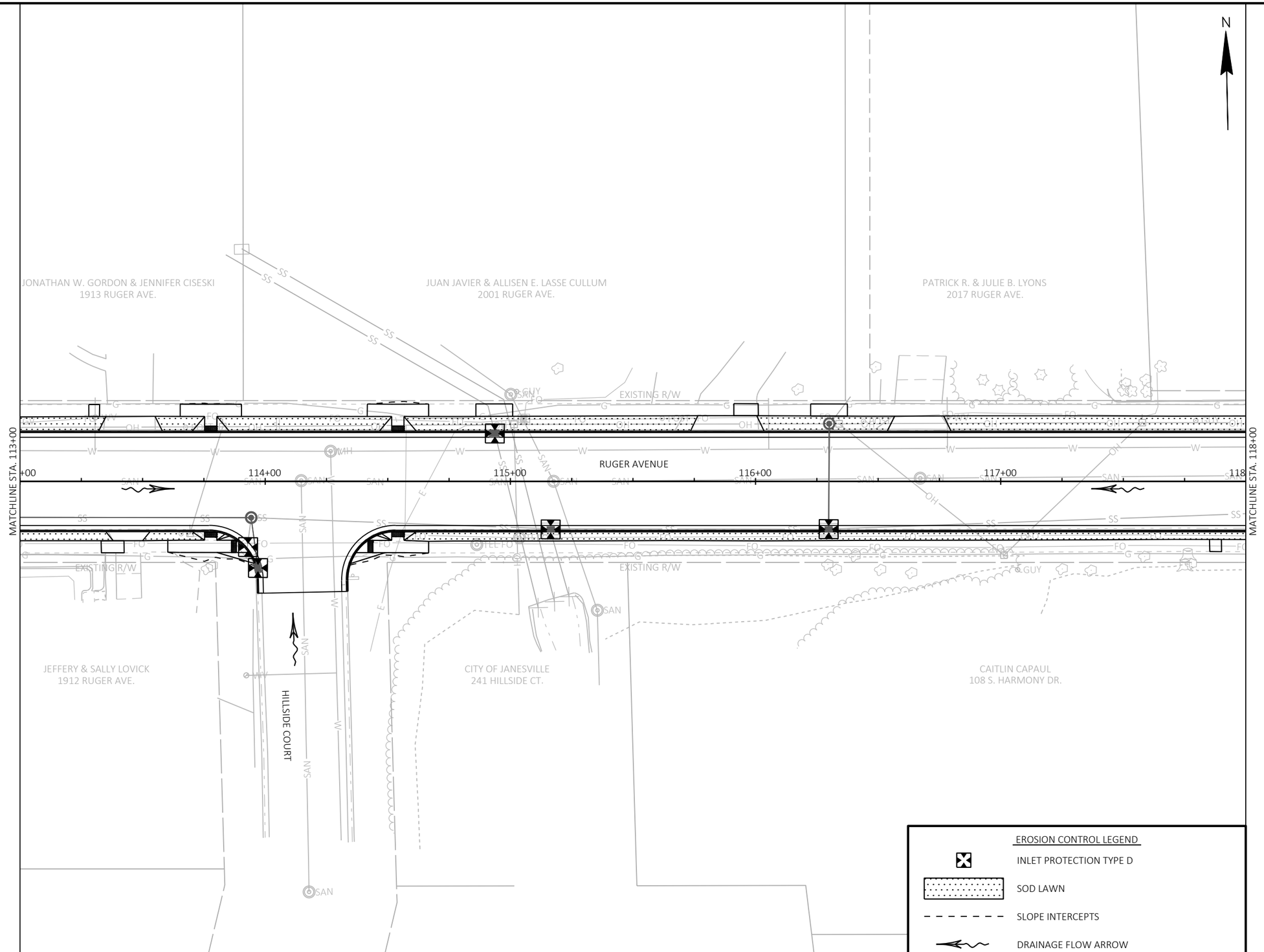


2

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	EROSION CONTROL	SHEET 35	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec
PLOT DATE : 7/29/2025 2:58 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

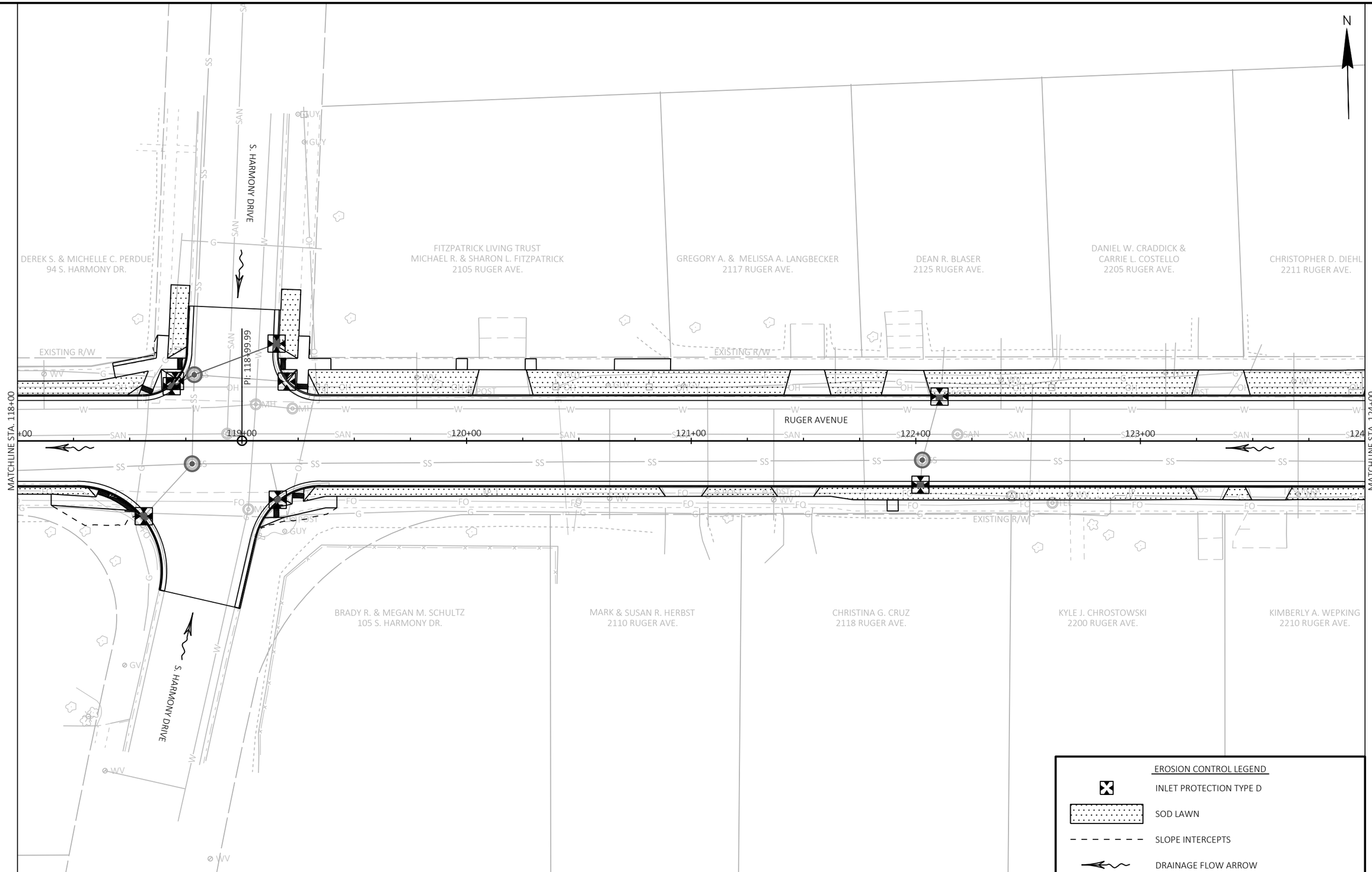


2

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	EROSION CONTROL	SHEET 36	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022003-ec
PLOT DATE : 7/29/2025 2:59 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	EROSION CONTROL	SHEET 37	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec
PLOT DATE : 7/29/2025 2:59 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

OTICA HAGEN
96 S. LEXINGTON DR.

TONY RAY & SARAH ANN BURD
2305 RUGER AVE.

CARISSA L. JOHNSON
2315 RUGER AVE.

FAITH E. ARNOLD
2325 RUGER AVE.

ERIC MICKELSON
2333 RUGER AVE.

S. LEXINGTON DRIVE

EXISTING R/W

EP: 127+16.70

RUGER AVENUE

MATCHLINE STA. 124+00

125+00

126+00

127+00

PHILIP E. & MELANIE A. BAUMUNK
2218 RUGER AVE.

ERIC W. STEURER
105 S. LEXINGTON DR.

JEFFREY D. & ELIZABETH K. MOORE
2312 RUGER AVE.

ALISSA K. WALSH
2320 RUGER AVE.

JANET W. SEATON
2328 RUGER AVE.

THOMAS L. STEFFA
2336 RUGER AVE.

INLETS AT S. LEXINGTON DRIVE/
CHICKASAW DRIVE INTERSECTION

EROSION CONTROL LEGEND

- INLET PROTECTION TYPE D
- SOD LAWN
- SLOPE INTERCEPTS
- DRAINAGE FLOW ARROW

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	EROSION CONTROL	SHEET 38	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022005-ec

PLOT DATE : 7/29/2025 2:59 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

NOTE: ALL EXISTING STORM SEWER PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.

N

ASHLEY & ANDREW OLEARY
85 S. RANDALL AVE.

SCHOLLMEIER REVOCABLE TRUST
DAVID L. & JEAN M. SCHOLLMEIER
1615 RUGER AVE.

ARLO S. PETERSON
1701 RUGER AVE.

PATRICK D. & CYNTHIA L. DEBROUX
1709 RUGER AVE.

S. RANDALL AVENUE

S. MARTIN ROAD

RUGER AVENUE

FIBER OPTIC
(SEGRA)

GAS
(ALLIANT ENERGY)

FIBER OPTIC
(TDS TELECOM)

OVERHEAD ELECTRIC & FIBER OPTIC
(ALLIANT ENERGY & SPECTRUM)

BM #1

BM #2

EXISTING R/W

RECONNECT EXISTING 12-INCH STORM SEWER PIPE

101+00 102+00 103+00 104+00 105+00 106+00 107

MATCHLINE STA. 107+00

CAUTION

REMOVING MANHOLES

REMOVING STORM SEWER 12-INCH

SEALING PIPES

1.1 STA 105+34, 9.6' RT
MANHOLES 4-SL

GAS
(ALLIANT ENERGY)

FIBER OPTIC
(AT&T WISCONSIN)

BURY,
A. WENTZLAFF
AVE.

JEFFREY A. & KIMBERLY K. BROOKS
1604 RUGER AVE.

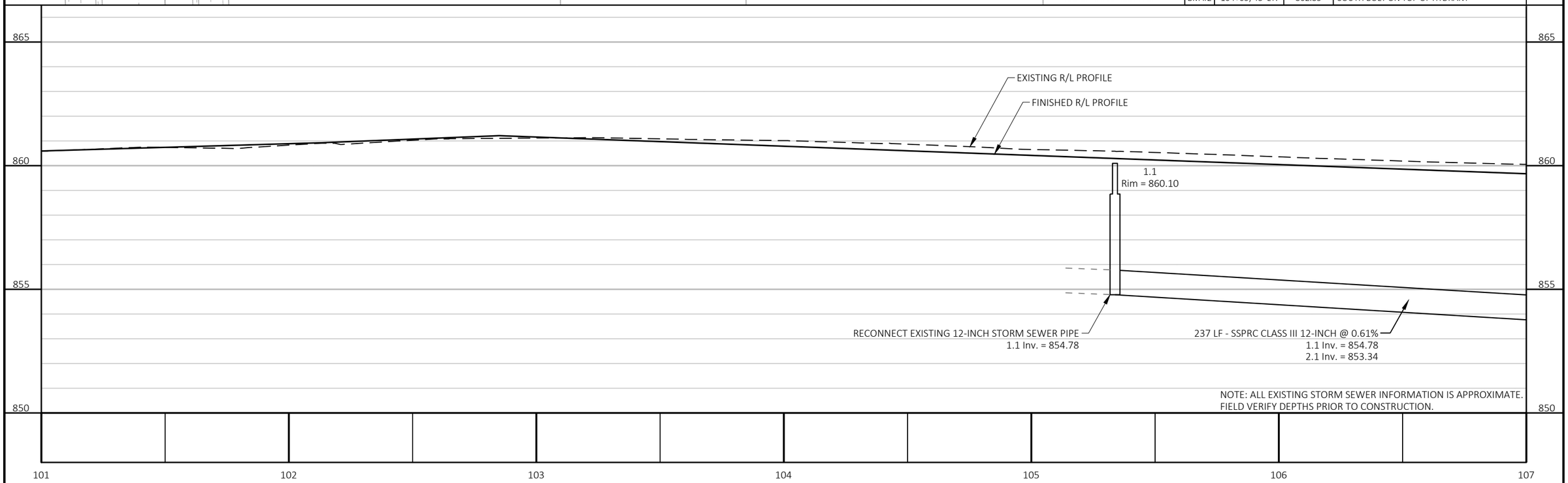
FRED & SUSAN L. CERKONEY
1614 RUGER AVE.

FITZGERALD REVOCABLE TRUST
WILLIAM T. & JEANNINE E. FITZGERALD
1622 RUGER AVE.

SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.

BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
BM #1	101+79, 25' LT.	862.63	BONNET BOLT WITH BURY TAG ON HYDRANT
BM #2	104+65, 43' LT.	862.85	SOUTH BOLT ON TOP OF HYDRANT



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	STORM SEWER	SHEET 39	E

2

NOTE: ALL EXISTING STORM SEWER PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.

SHAWNA M. MARCH
78 CAMPUS LN.

CAMPUS LANE

KEVIN J. & KIM J. HENDRIKSON
79 CAMPUS LN.

CHONG F. TANG & CUITING JIANG
1901 RUGER AVE.

MARGARET SPLINTER
1905 RUGER AVE.

STA 107+71, 19.5' LT
INLETS 2x3-H-SL
2.1A

BM #3

FIBER OPTIC
(SEGRA)

GAS
(ALLIANT ENERGY)

FIBER OPTIC
(TDS TELECOM)

2.2A STA 111+20, 19.5' LT
INLETS 2x3-H-SL

OVERHEAD ELECTRIC & FIBER OPTIC
(ALLIANT ENERGY, SPECTRUM,
AT&T WISCONSIN & SEGRA)

BM #4

MATCHLINE STA. 107+00

RUGER AVENUE

RECONNECT EXISTING 12-INCH STORM SEWER PIPE

REMOVING INLETS

STA 111+22, 14.4' RT
MANHOLES 4-SL
2.2

REMOVING INLETS

STA 111+21, 19.5' RT
INLETS 2x3-H-SL
2.2B

REMOVING STORM SEWER 12-INCH

REMOVING MANHOLES

RECONNECT EXISTING 12-INCH STORM SEWER PIPE

2.1 STA 107+71, 13.0' RT
MANHOLES 4-SL

2.1B STA 107+71, 19.5' RT
INLETS 2x3-H-SL

GAS
(ALLIANT ENERGY)

FIBER OPTIC
(AT&T WISCONSIN)

SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.

PAUL & CARLA HUBLER
1902 RUGER AVE.

MATCHLINE STA. 113+00

N

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	108+41, 48' LT.	861.29	BONNET BOLT WITH BURY TAG ON HYDRANT
BM #4	112+66, 23' LT.	852.95	EAST BOLT ON TOP OF HYDRANT

NOTE: ALL EXISTING STORM SEWER INFORMATION IS APPROXIMATE. FIELD VERIFY DEPTHS PRIOR TO CONSTRUCTION.

EXISTING R/L PROFILE

FINISHED R/L PROFILE

2.1
Rim = 859.15

351 LF - SSPRC CLASS III 12-INCH @ 0.61%
2.1 Inv. = 853.34
2.2 Inv. = 851.18

2.2
Rim = 855.70

2.1A
Rim = 859.05

2.1
Rim = 859.15

2.1B
Rim = 859.05

2.2A
Rim = 855.71

2.2B
Rim = 855.66

RECONNECT EXISTING 12-INCH STORM SEWER PIPE (N)
2.2 Inv. = 851.29

RECONNECT EXISTING 12-INCH STORM SEWER PIPE (S)
2.2 Inv. = 851.23

APPROX.
EXISTING 8-INCH
WATERMAIN

7 LF - SSPRC CLASS III 12-INCH @ 0.50%
2.1B Inv. = 854.87
2.1 Inv. = 854.84

RECONNECT EXISTING 12-INCH
STORM SEWER PIPE (S)
2.2A Inv. = 851.50

RECONNECT EXISTING 12-INCH STORM SEWER PIPE (N & S)
2.2B Inv. = 851.28

272 LF - SSPRC CLASS III 12-INCH @ 3.98%
2.2 Inv. = 851.18
3.1 Inv. = 840.35

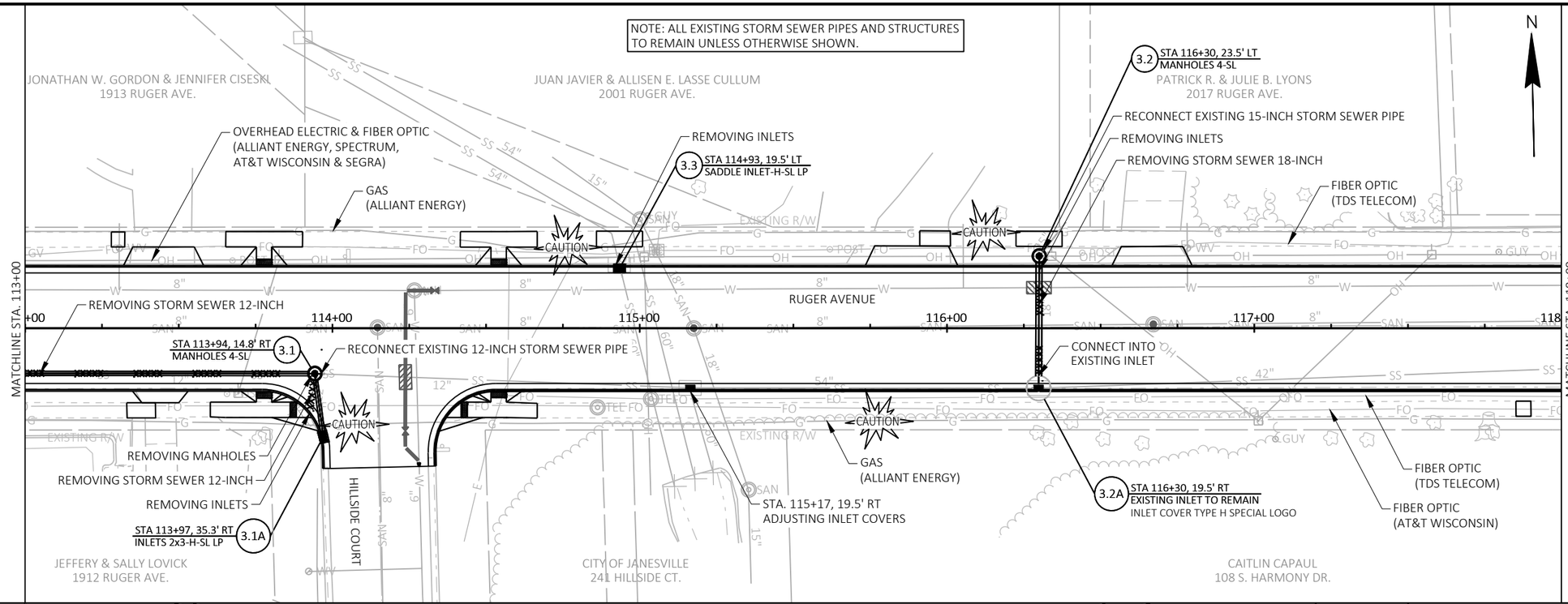
33 LF - SSPRC CLASS III 12-INCH @ 0.50%
2.1A Inv. = 855.00
2.1 Inv. = 854.84

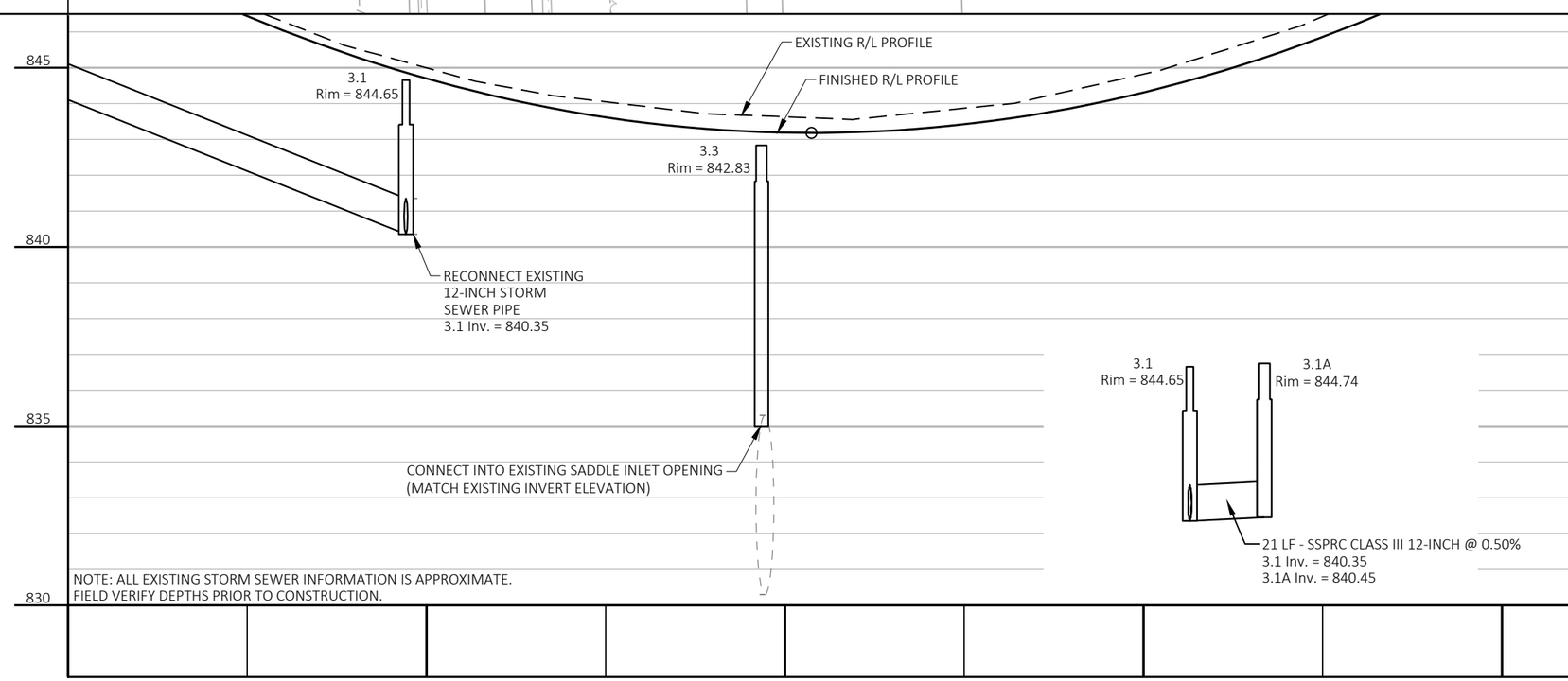
860 855 850 845

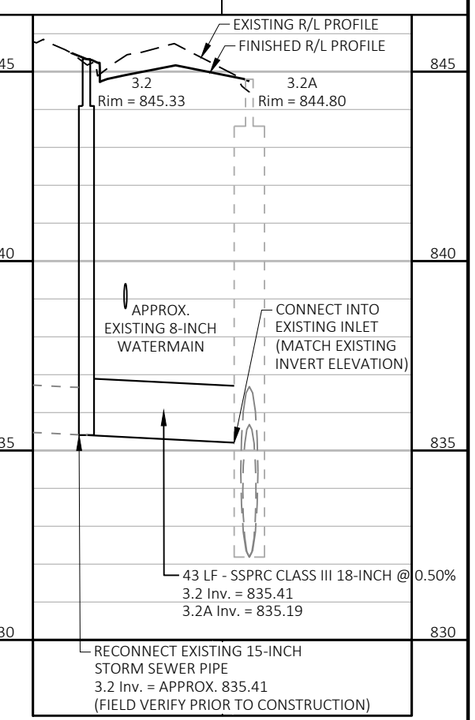
107 108 109 110 111 112 113

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	STORM SEWER	SHEET 40	E

NOTE: ALL EXISTING STORM SEWER PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.







PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	STORM SEWER	SHEET 41	E

2

NOTE: ALL EXISTING STORM SEWER PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.

N

RECONNECT EXISTING 33-INCH CONCRETE STORM SEWER PIPE

DEREK S. & MICHELLE C. PERDUE
94 S. HARMONY DR.

REMOVING MANHOLES

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

STA 118+69, 24.3' LT
INLETS 2x3-H-SL
4.1A

S. HARMONY DRIVE

PI: 118+99.99

4.1B STA 119+15, 43.2' LT
INLETS 2x3-H-SL LP

REMOVING STORM SEWER 12-INCH

REMOVING INLETS

FITZPATRICK LIVING TRUST
MICHAEL R. & SHARON L. FITZPATRICK
2105 RUGER AVE.

GREGORY A. & MELISSA A. LANGBECKER
2117 RUGER AVE.

DEAN R. BLASER
2125 RUGER AVE.

DANIEL W. CRADDICK &
CARRIE L. COSTELLO
2205 RUGER AVE.

CHRISTOPHER D. [illegible]EHL
2211 RUGER AVE.

GAS
(ALLIANT ENERGY)

RECONNECT EXISTING 12-INCH CONCRETE STORM SEWER PIPE

STA. 122+11, 19.5' LT
ADJUSTING INLET COVERS

OVERHEAD FIBER OPTIC
(SPECTRUM & SEGRA)

EXISTING R/W

BM #5

MATCHLINE STA. 118+00

RECONNECT EXISTING 33-INCH CONCRETE STORM SEWER PIPE

4.1 STA 118+79, 29.4' LT
MANHOLES 6-SL

RUGER AVENUE

RECONNECT EXISTING 42-INCH CONCRETE STORM SEWER PIPE

RECONNECT EXISTING 42-INCH CONCRETE STORM SEWER PIPE

+00 119+00 120+00 121+00 122+00 123+00 124

MATCHLINE STA. 124+00

RECONNECT EXISTING 42-INCH CONCRETE STORM SEWER PIPE

CAUTION

STA 118+56, 33.7' RT
INLETS 2x3-H-SL
4.2A

REMOVING INLETS

S. HARMONY DRIVE

STA. 119+16, 26.3' RT
INLET COVER TYPE H SPECIAL LOGO

REMOVING MANHOLES

4.2 STA 118+78, 10.3' RT
MANHOLES 6-SL

RECONNECT EXISTING 12-INCH CONCRETE STORM SEWER PIPE

BRADY R. & MEGAN M. SCHULTZ
105 S. HARMONY DR.

MARK & SUSAN R. HERBST
2110 RUGER AVE.

CHRISTINA G. CRUZ
2118 RUGER AVE.

GAS
(ALLIANT ENERGY)

FIBER OPTIC
(TDS TELECOM)

FIBER OPTIC
(AT&T WISCONSIN)

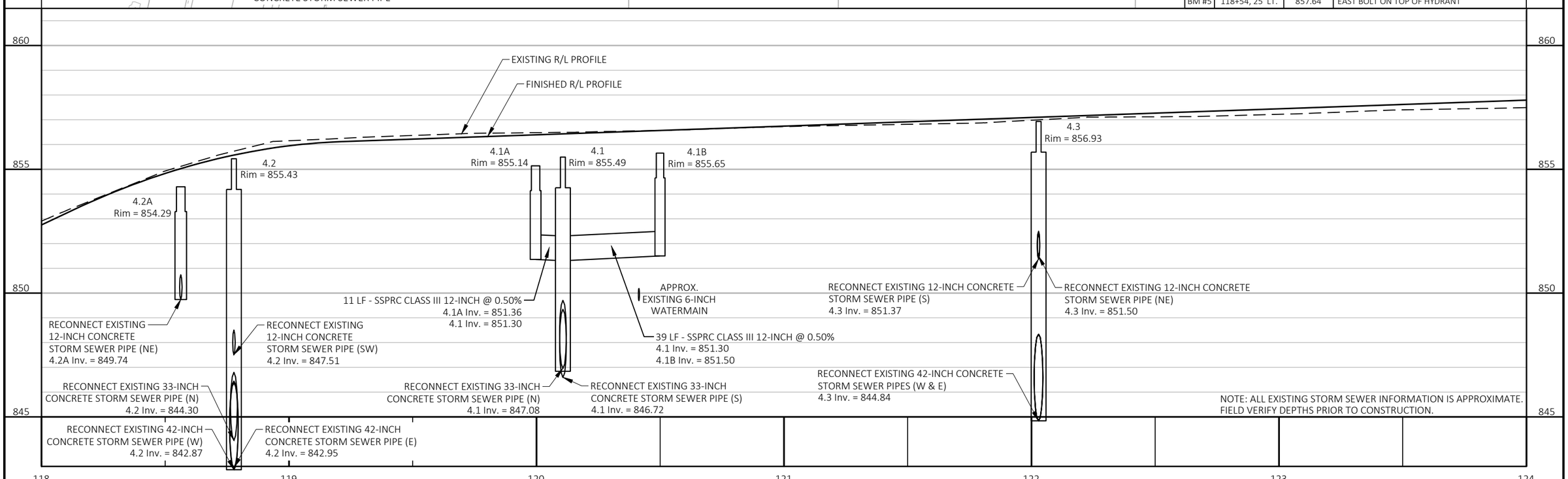
REMOVING MANHOLES

4.3 STA 122+03, 8.5' RT
MANHOLES 6-SL

RECONNECT EXISTING 12-INCH CONCRETE STORM SEWER PIPE

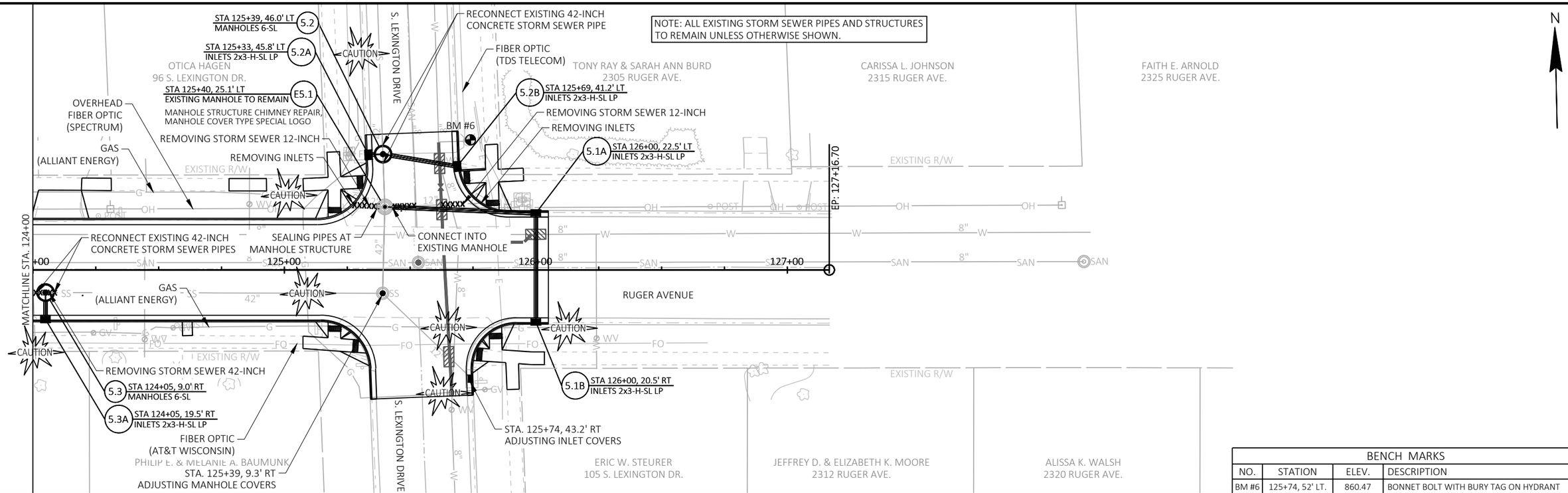
STA. 122+02, 19.5' RT
ADJUSTING INLET COVERS

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #5	118+54, 25' LT.	857.64	EAST BOLT ON TOP OF HYDRANT

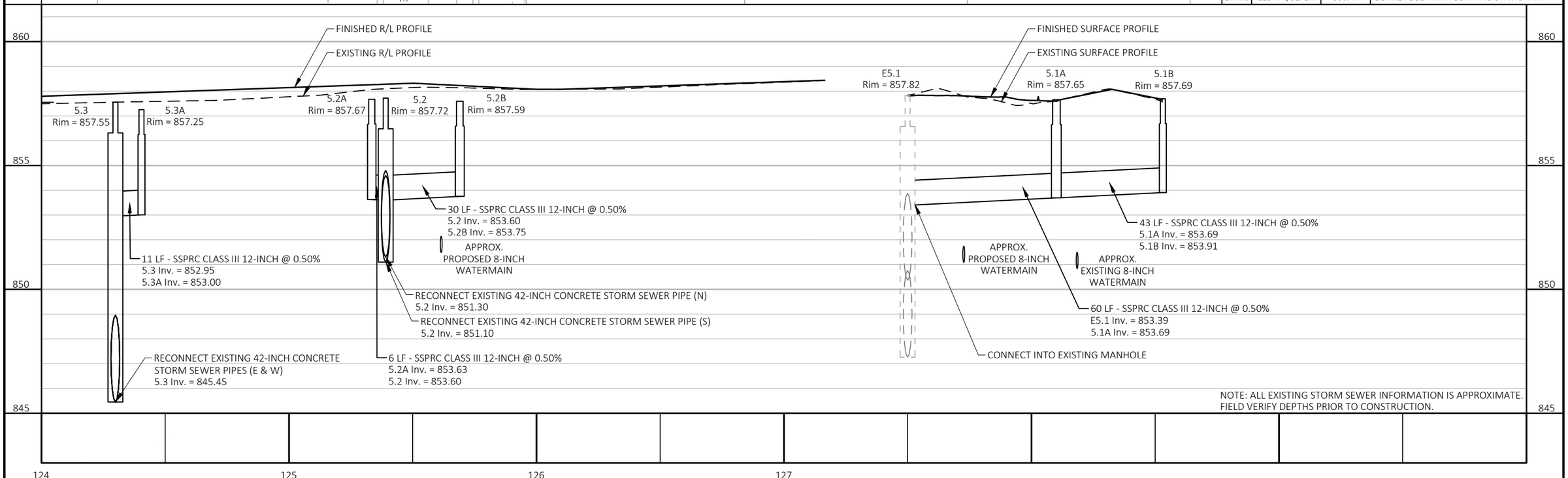


PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	STORM SEWER	SHEET 42	E

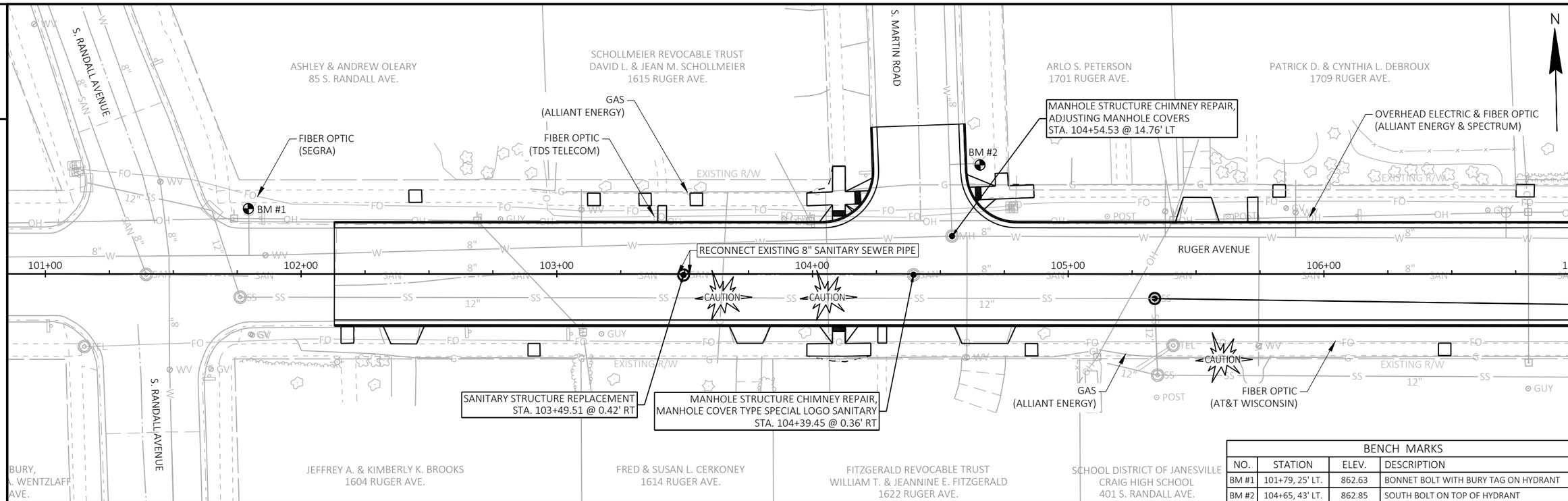
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022504-ss
PLOT DATE : 7/29/2025 2:21 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



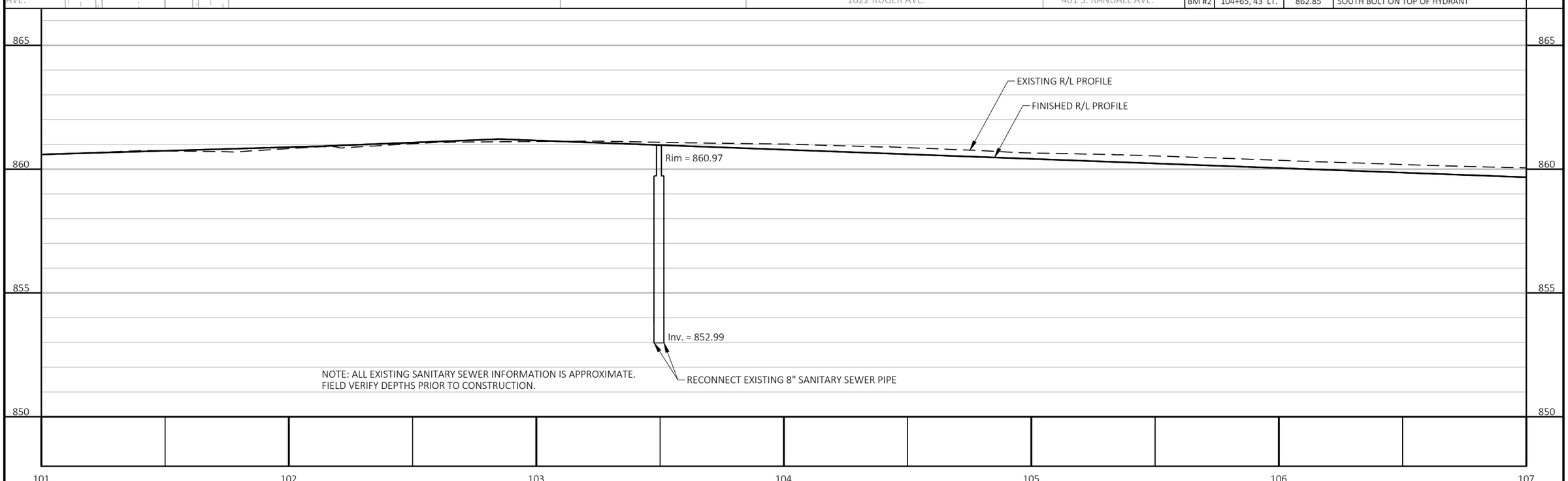
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #6	125+74, 52' LT.	860.47	BONNET BOLT WITH BURY TAG ON HYDRANT



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	STORM SEWER	SHEET 43	E

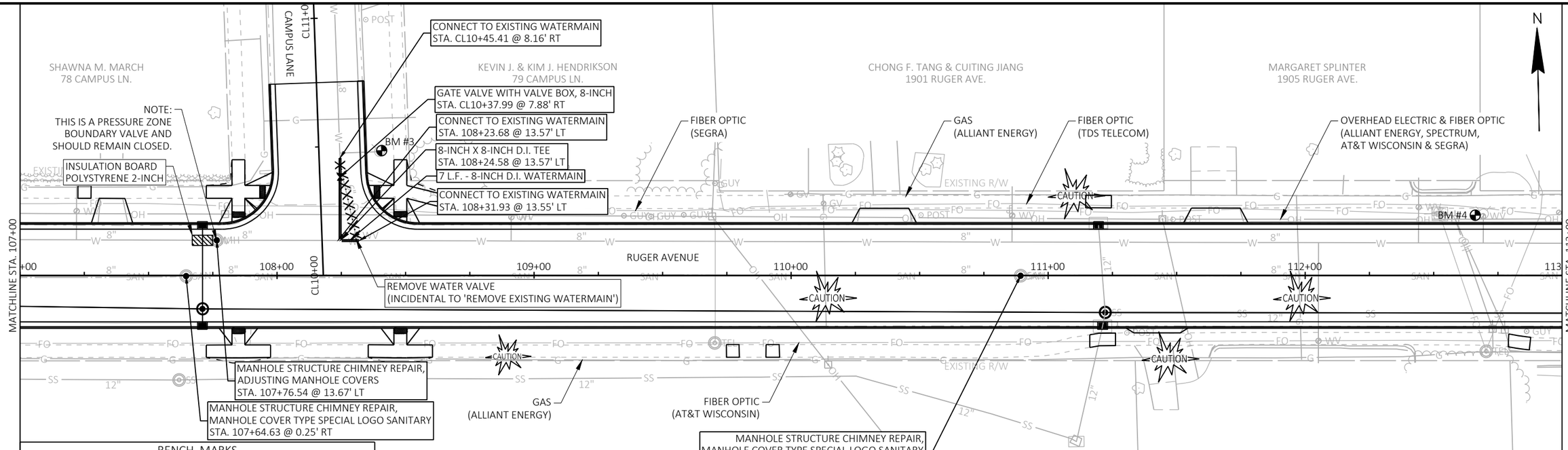


BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #1	101+79, 25' LT.	862.63	BONNET BOLT WITH BURY TAG ON HYDRANT
BM #2	104+65, 43' LT.	862.85	SOUTH BOLT ON TOP OF HYDRANT

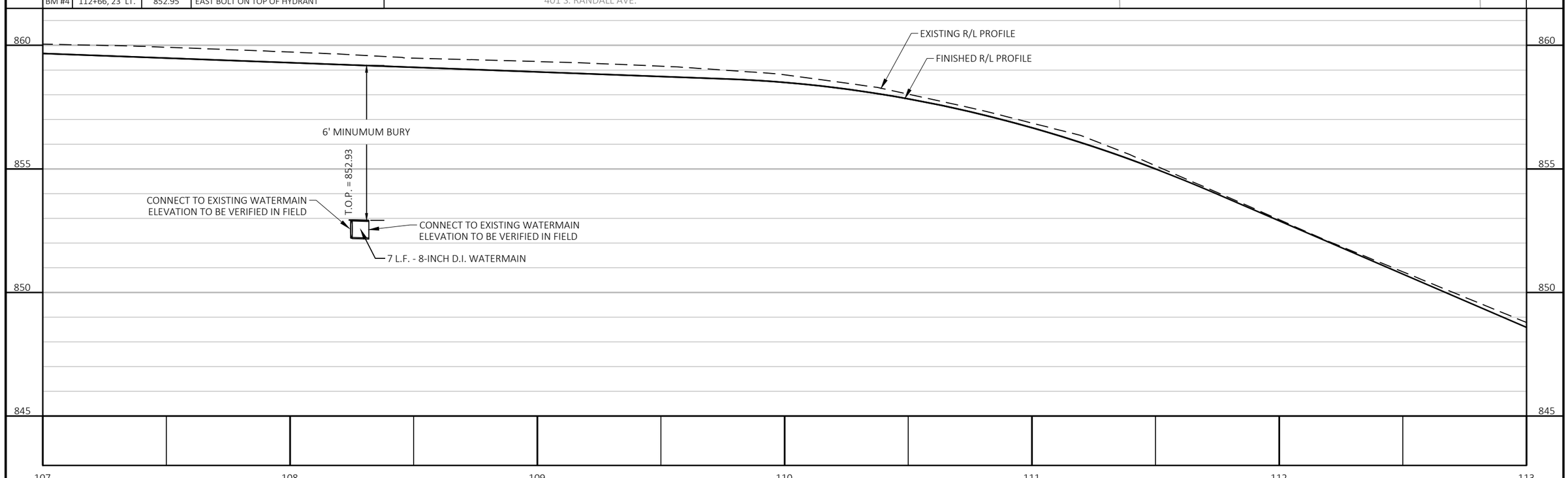


PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: RUGER AVENUE	SHEET 44	E

2



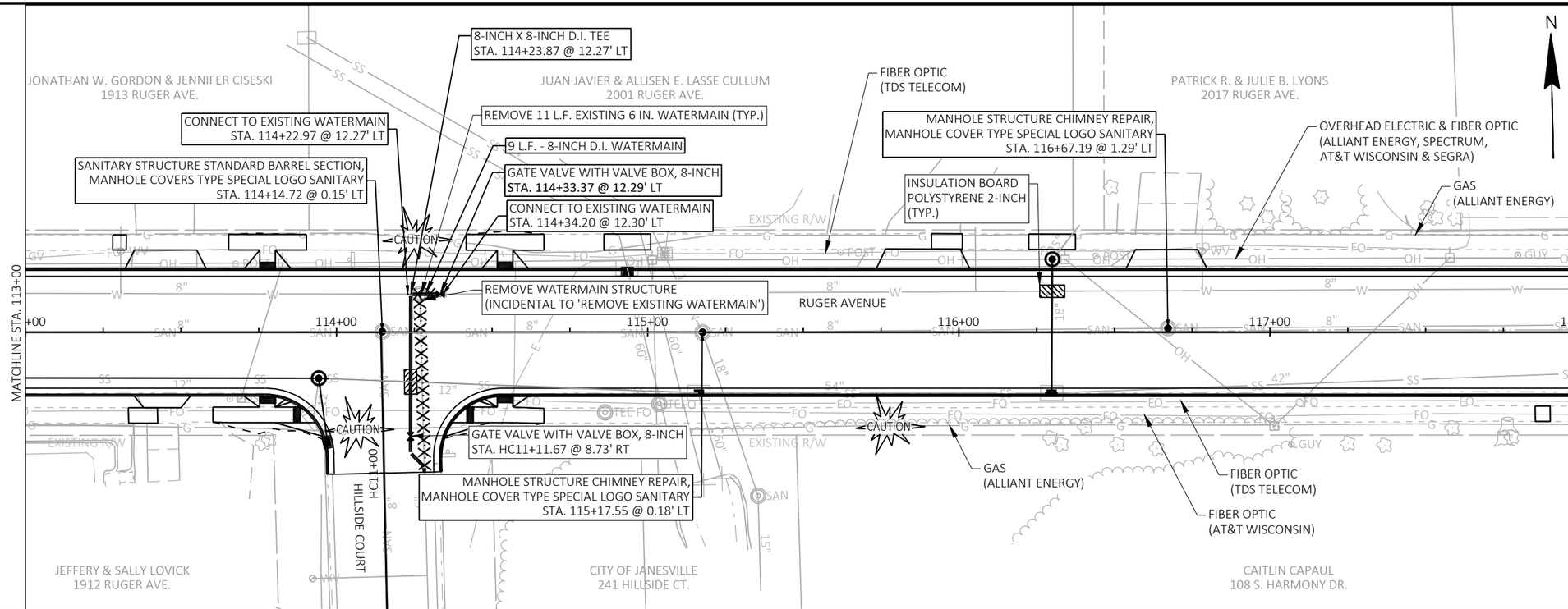
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	108+41, 48' LT.	861.29	BONNET BOLT WITH BURY TAG ON HYDRANT
BM #4	112+66, 23' LT.	852.95	EAST BOLT ON TOP OF HYDRANT

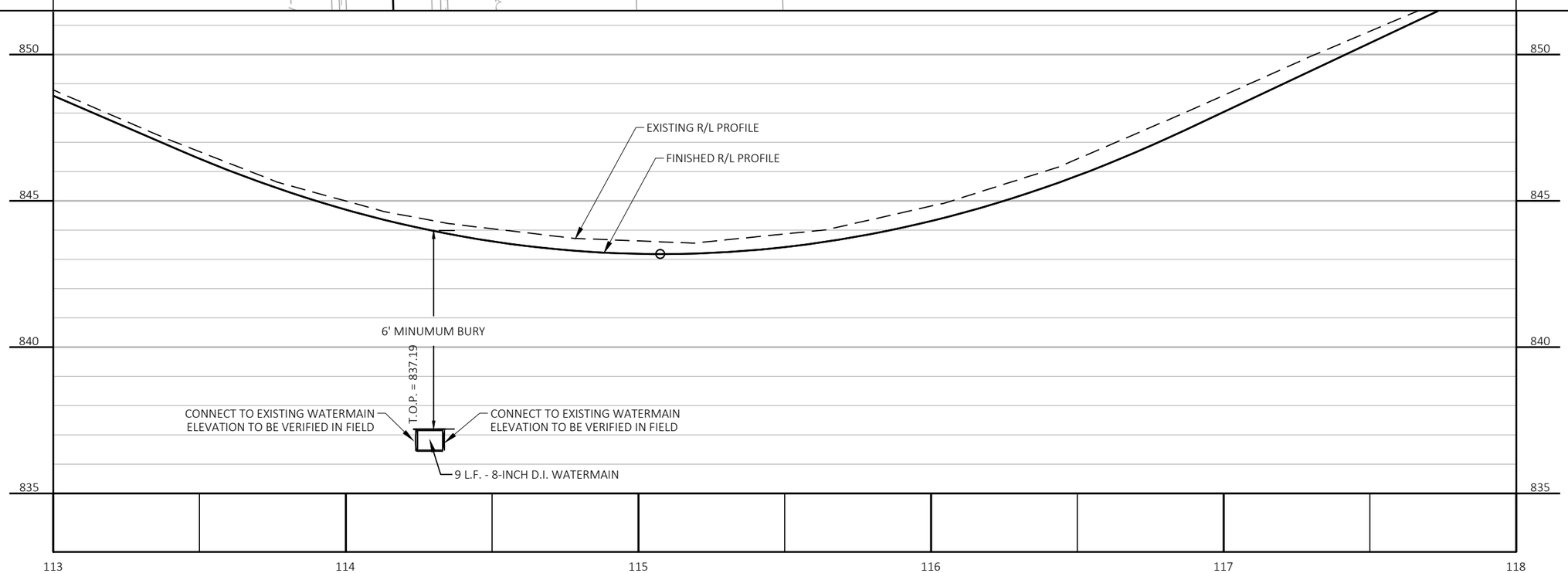


PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: RUGER AVENUE	SHEET 45	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022601-WM.DWG
LAYOUT NAME - 022502-ss
PLOT DATE : 7/31/2025 10:36 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

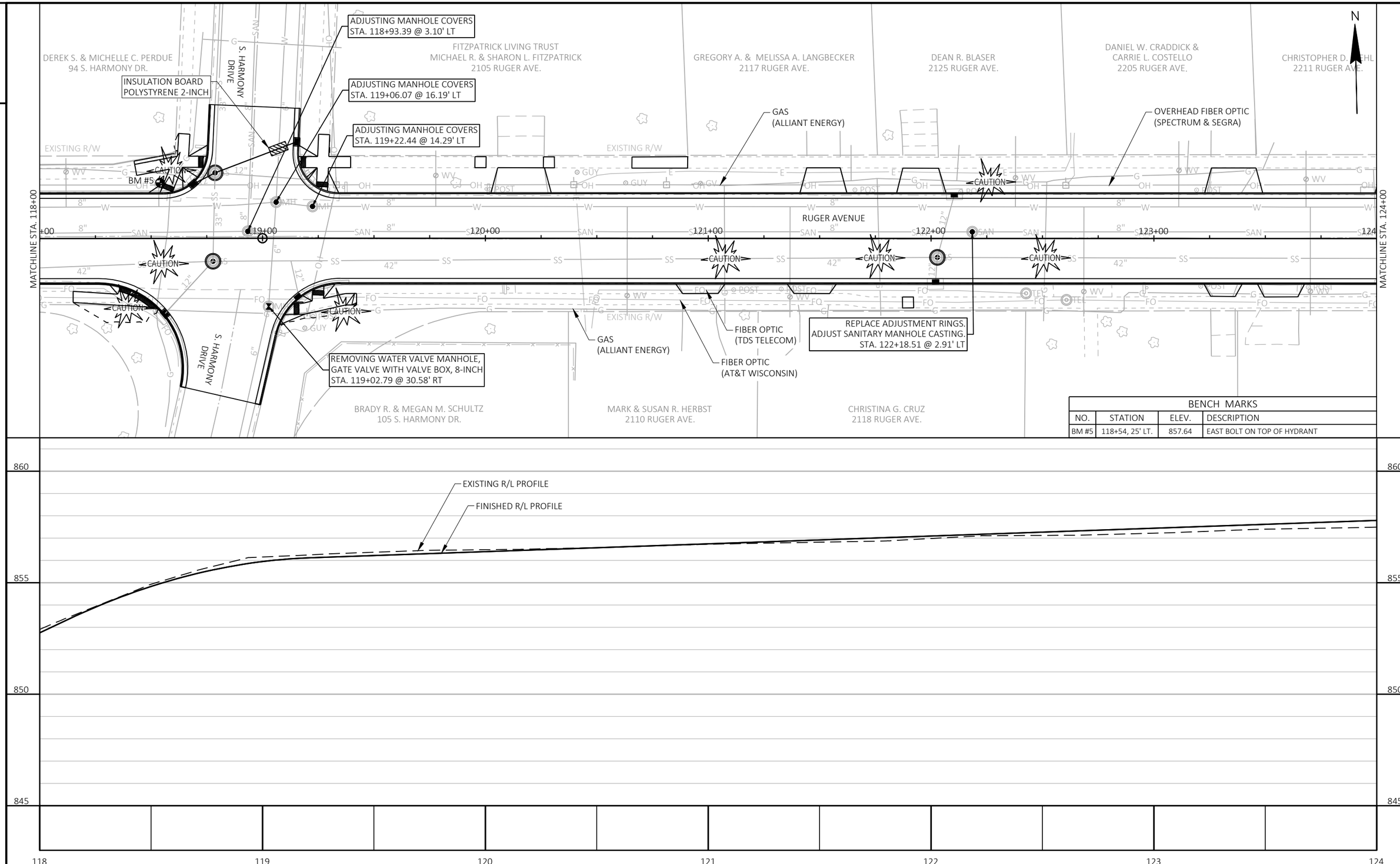
2





PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: RUGER AVENUE	SHEET 46	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022601-WM.DWG
LAYOUT NAME - 022503-ss
PLOT DATE : 7/31/2025 10:37 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



BENCH MARKS

NO.	STATION	ELEV.	DESCRIPTION
BM #5	118+54, 25' LT.	857.64	EAST BOLT ON TOP OF HYDRANT

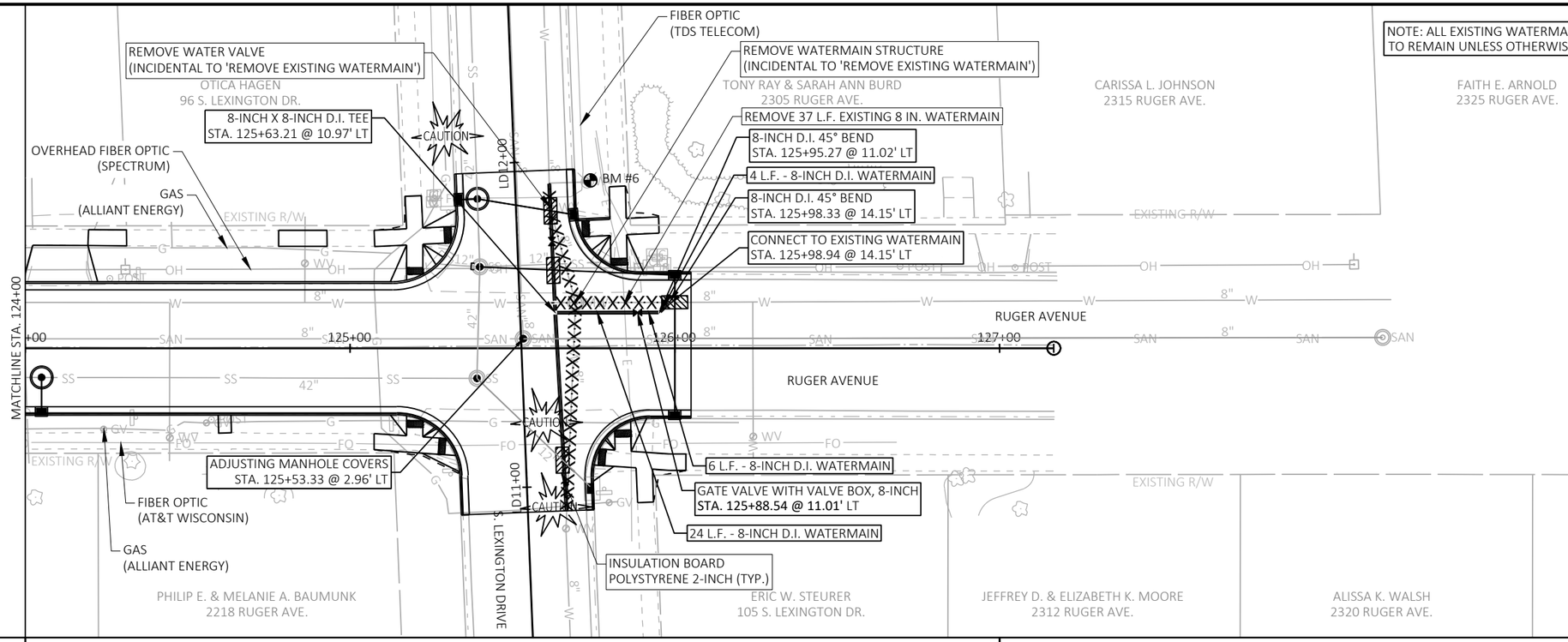
PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: RUGER AVENUE	SHEET 47	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022601-WM.DWG
LAYOUT NAME - 022504-ss
PLOT DATE : 7/31/2025 10:37 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

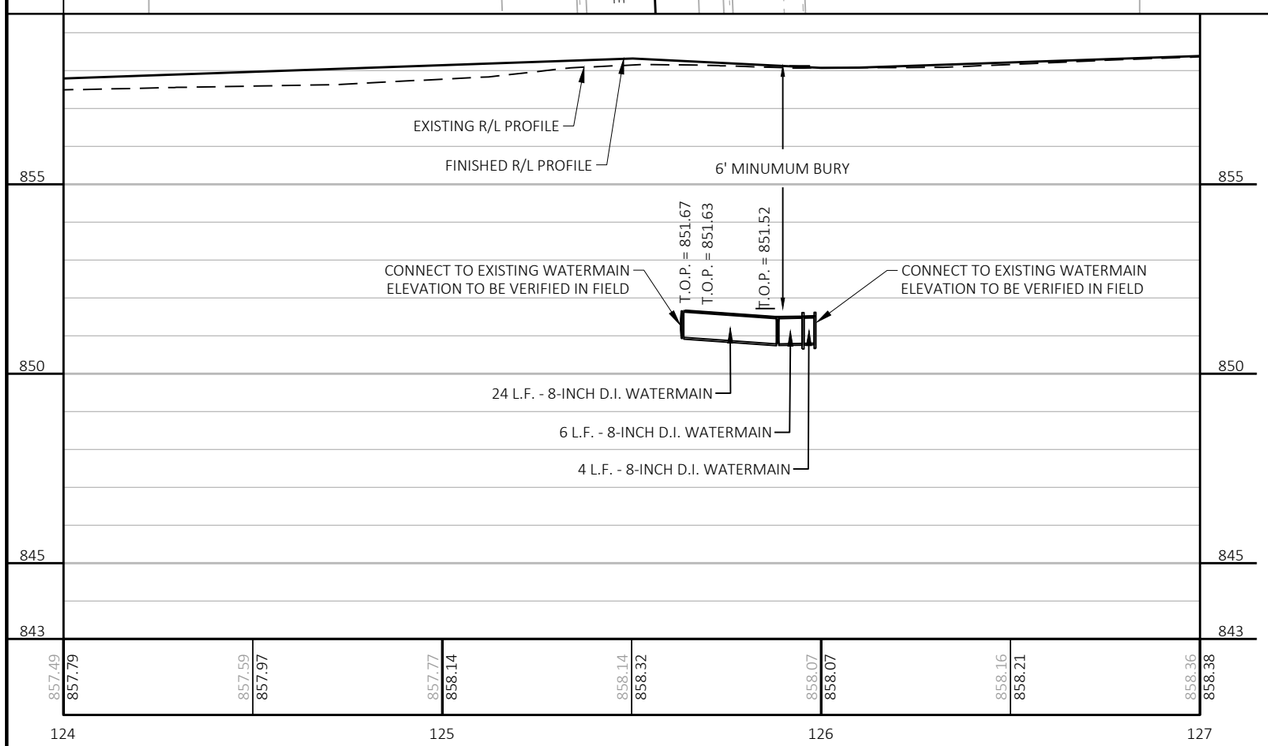
2

NOTE: ALL EXISTING WATERMAIN PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.

N



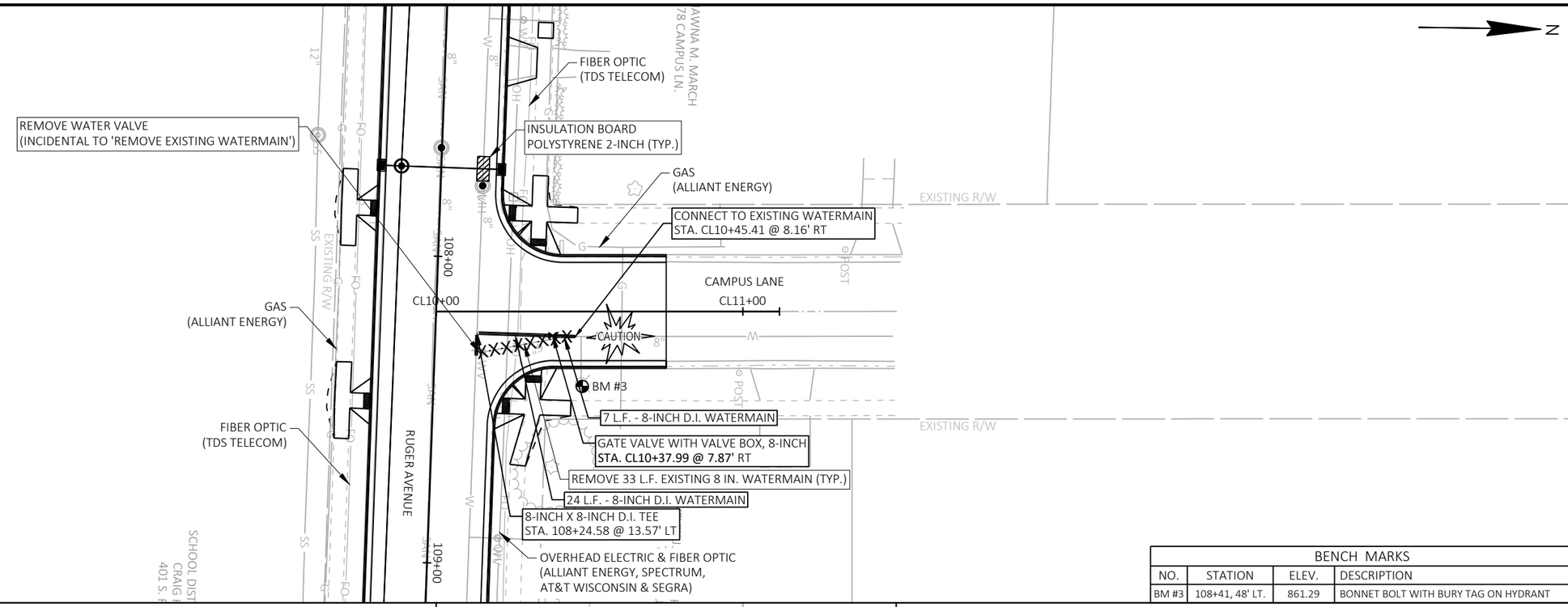
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #6	125+74, 52' LT.	860.47	BONNET BOLT WITH BURY TAG ON HYDRANT



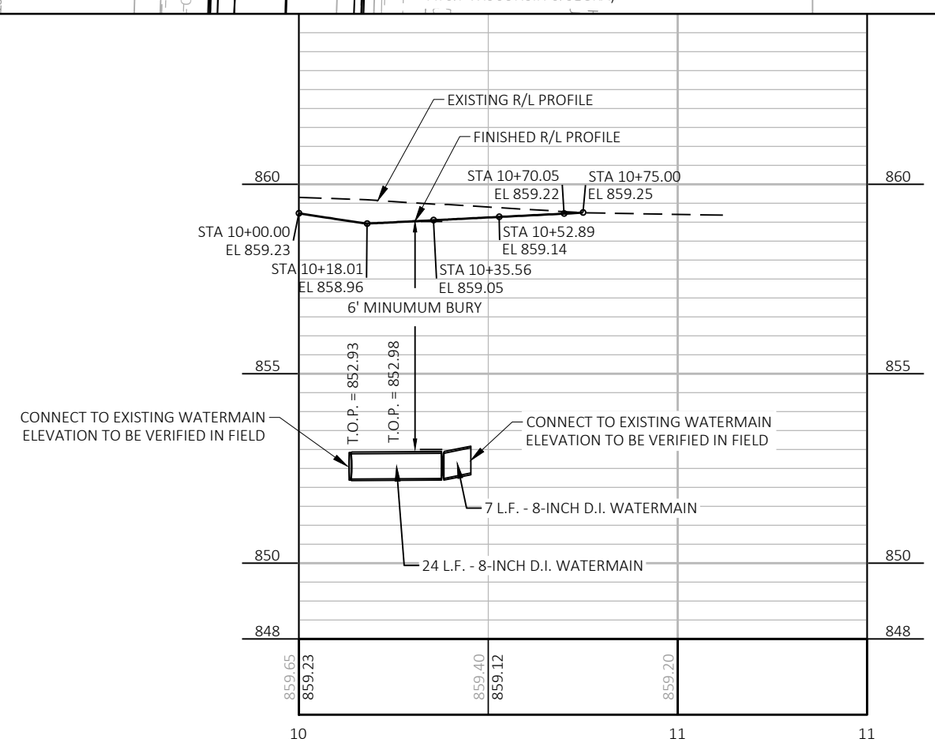
PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: S. LEXINGTON DRIVE	SHEET 48	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022601-WM.DWG
LAYOUT NAME - 022505-SS
PLOT DATE : 7/31/2025 10:37 AM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

NOTE: ALL EXISTING WATERMAIN PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.



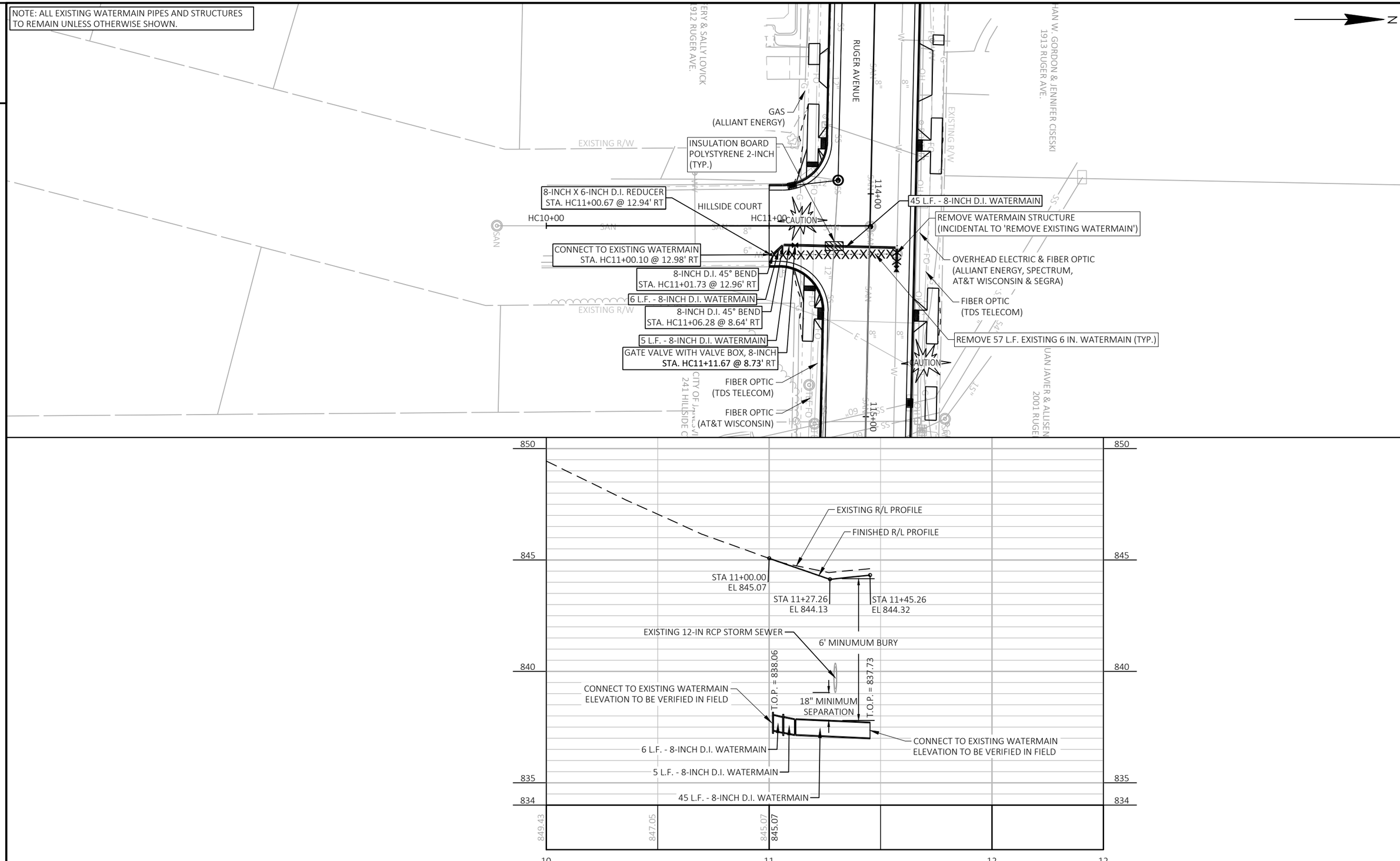
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	108+41, 48' LT.	861.29	BONNET BOLT WITH BURY TAG ON HYDRANT



PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: CAMPUS LANE	SHEET 49	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022601-WM.DWG
LAYOUT NAME - 050101-wm
PLOT DATE : 7/31/2025 10:37 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: ALL EXISTING WATERMAIN PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.

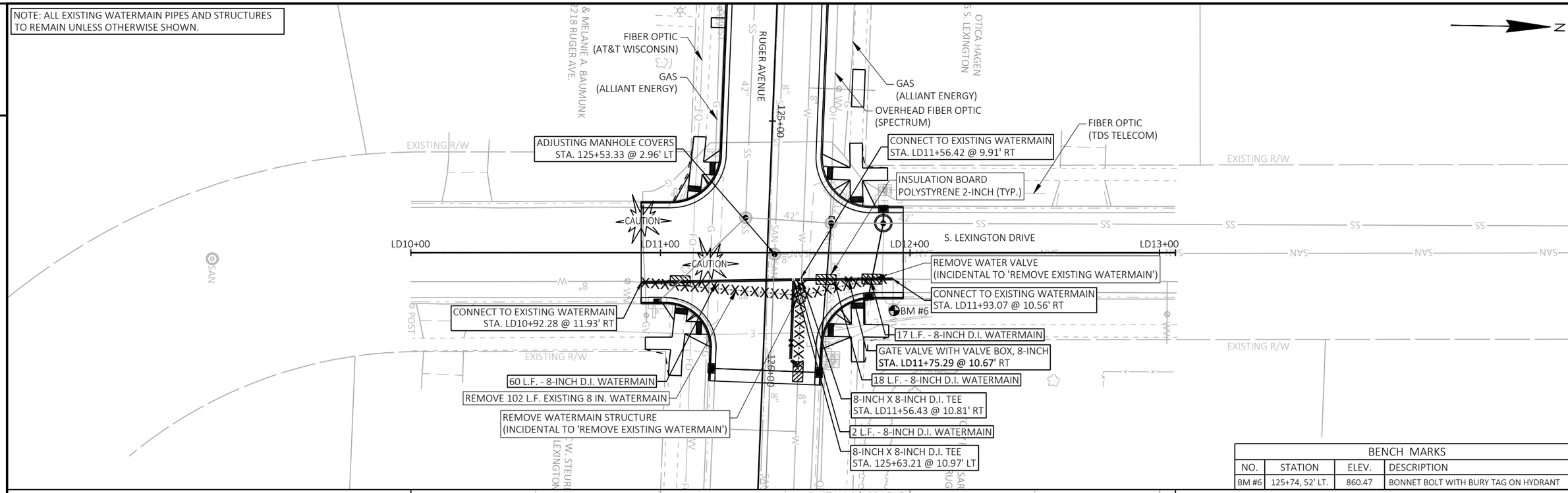


PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: HILLSIDE COURT	SHEET 50	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\022601-WM.DWG
LAYOUT NAME - 050102-wm
PLOT DATE : 7/31/2025 10:37 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

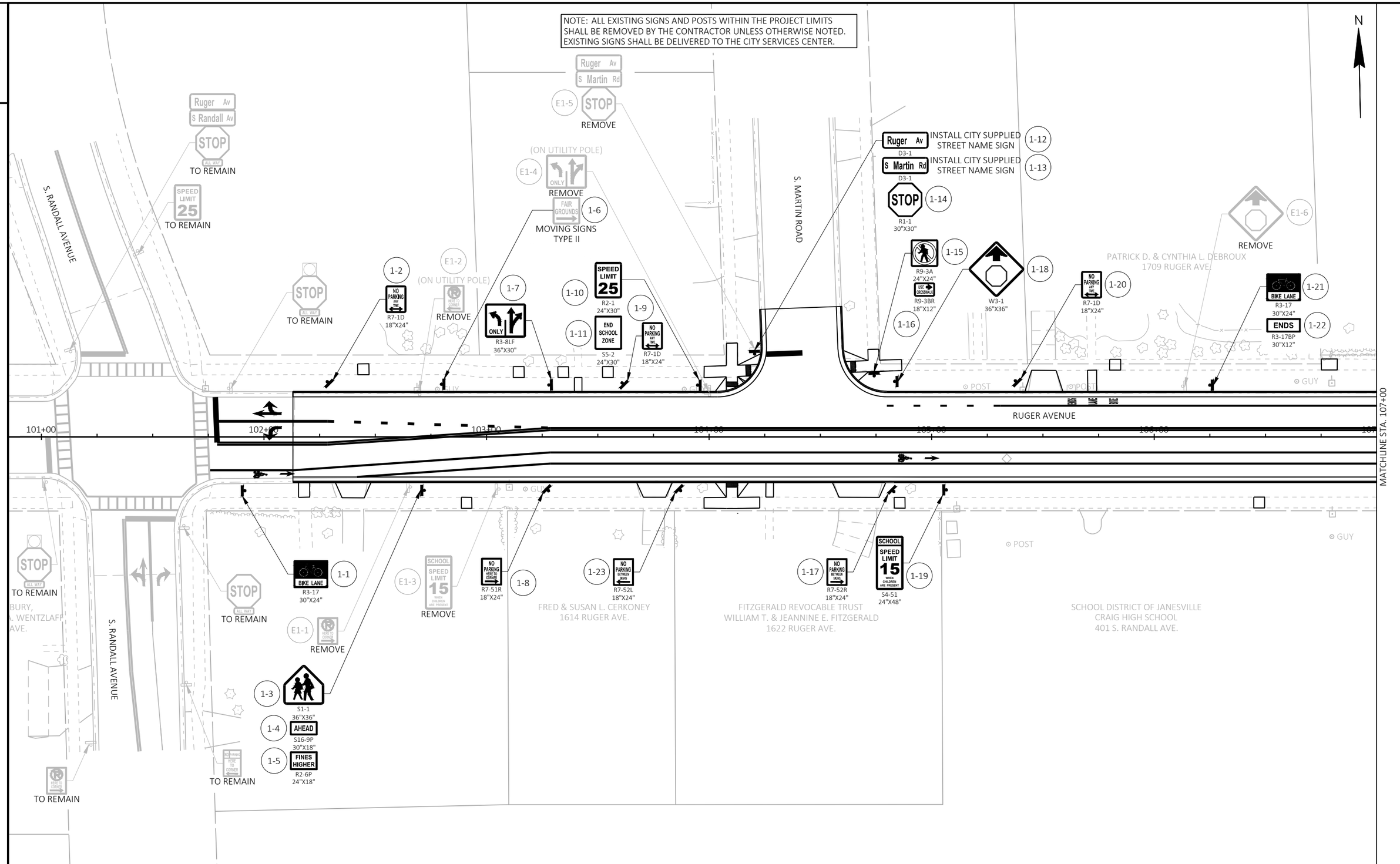
NOTE: ALL EXISTING WATERMAIN PIPES AND STRUCTURES TO REMAIN UNLESS OTHERWISE SHOWN.



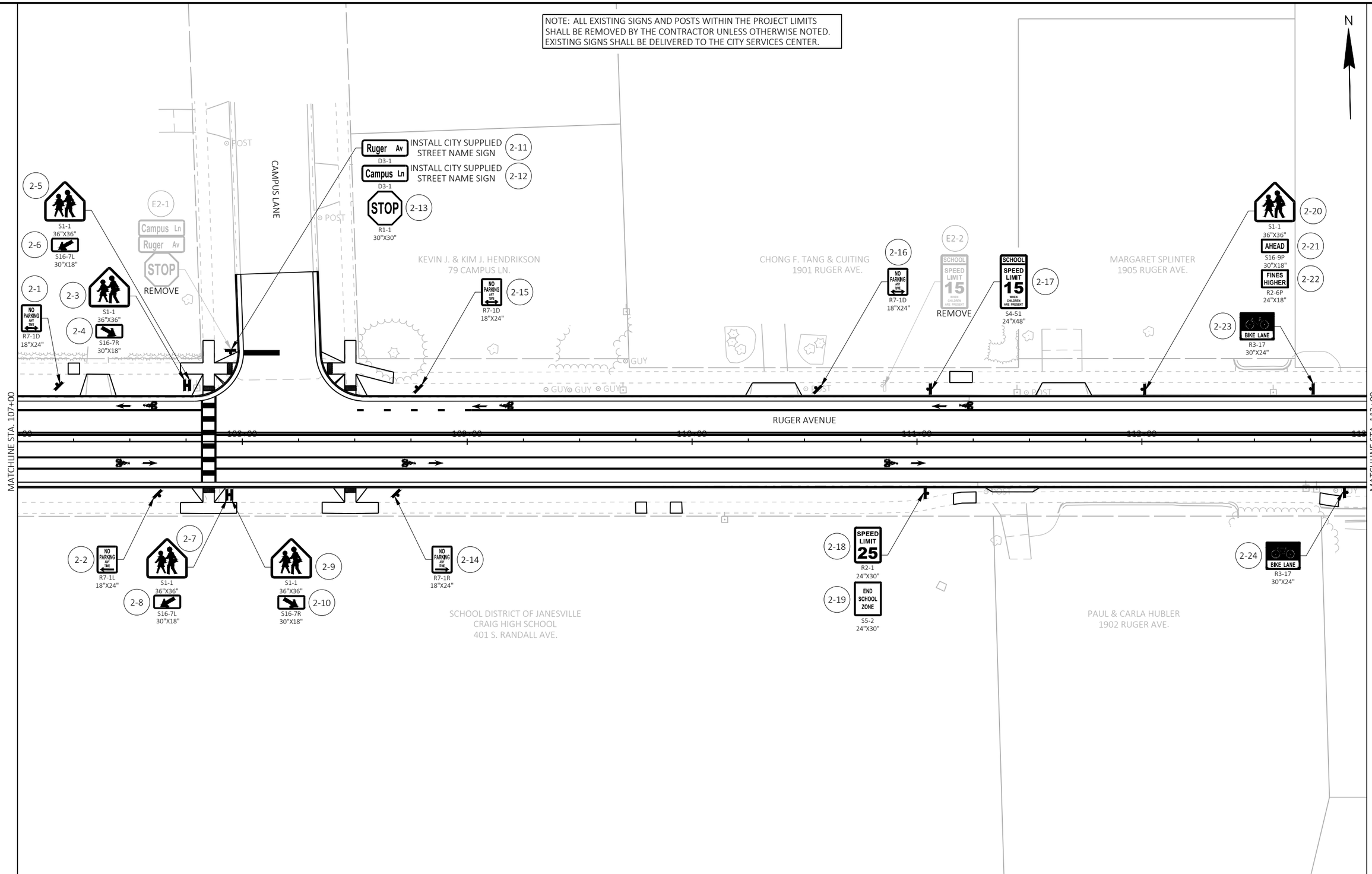
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #6	125+74, 52' LT.	860.47	BONNET BOLT WITH BURY TAG ON HYDRANT

PROJECT NO: 5990-02-42	HWY: RUGER AVENUE	COUNTY: ROCK	SANITARY SEWER AND WATERMAIN: S. LEXINGTON DRIVE	SHEET 51	E

NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS SHALL BE DELIVERED TO THE CITY SERVICES CENTER.



NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS SHALL BE DELIVERED TO THE CITY SERVICES CENTER.

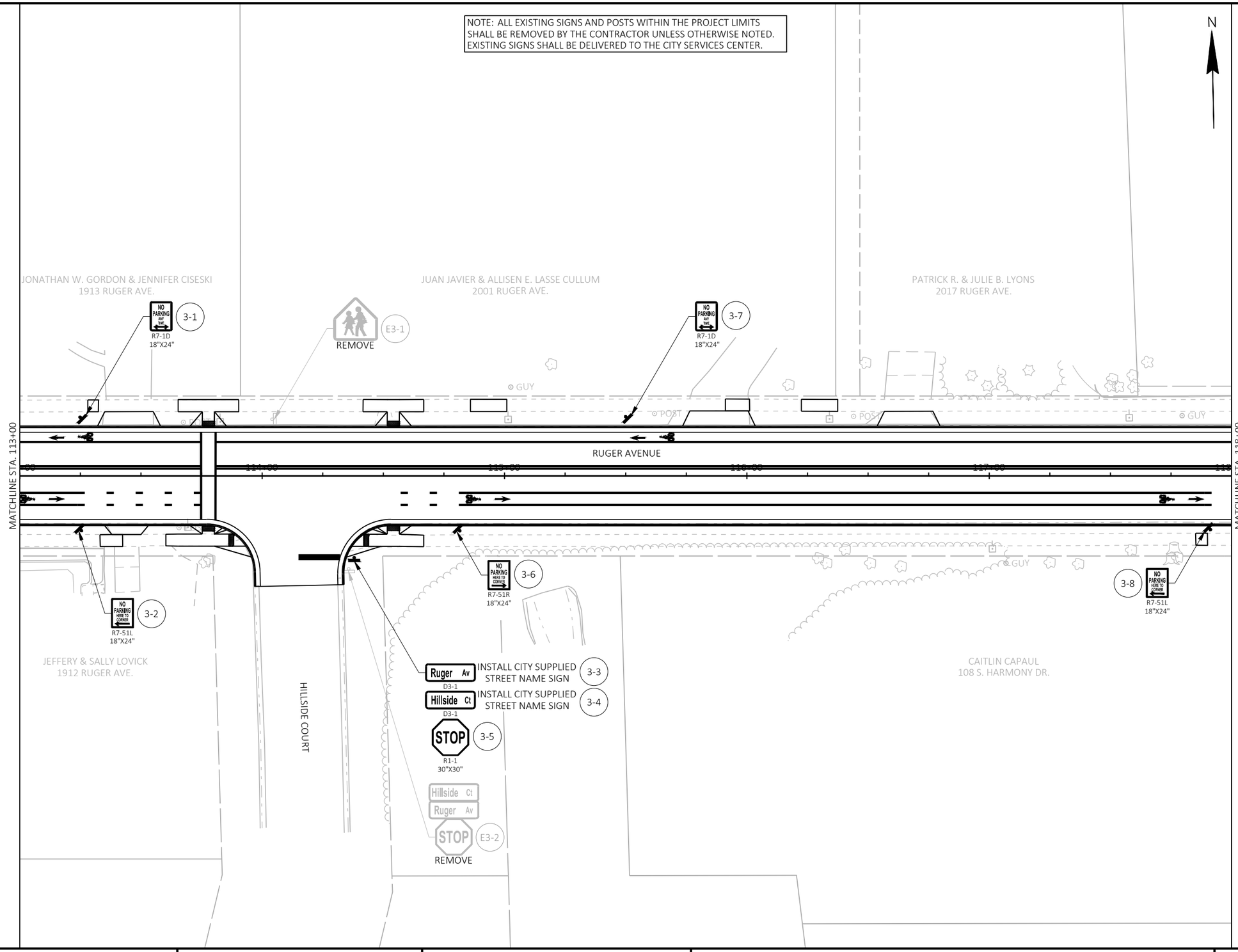


PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PERMANENT SIGNING	SHEET 53	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023202-ps
PLOT DATE : 7/29/2025 3:03 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS SHALL BE DELIVERED TO THE CITY SERVICES CENTER.

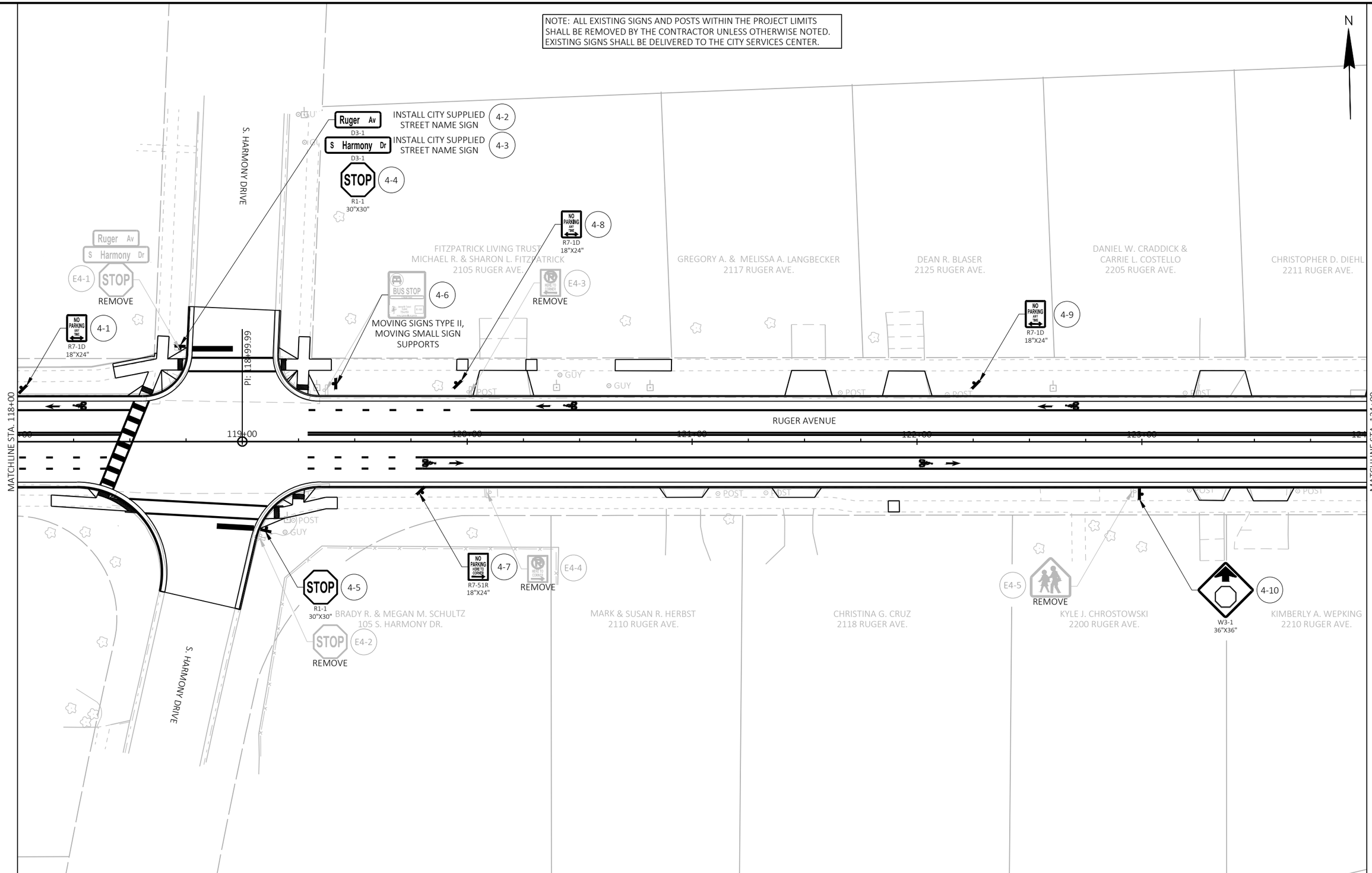


2

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PERMANENT SIGNING	SHEET 54	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023203-ps
PLOT DATE : 7/29/2025 3:04 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

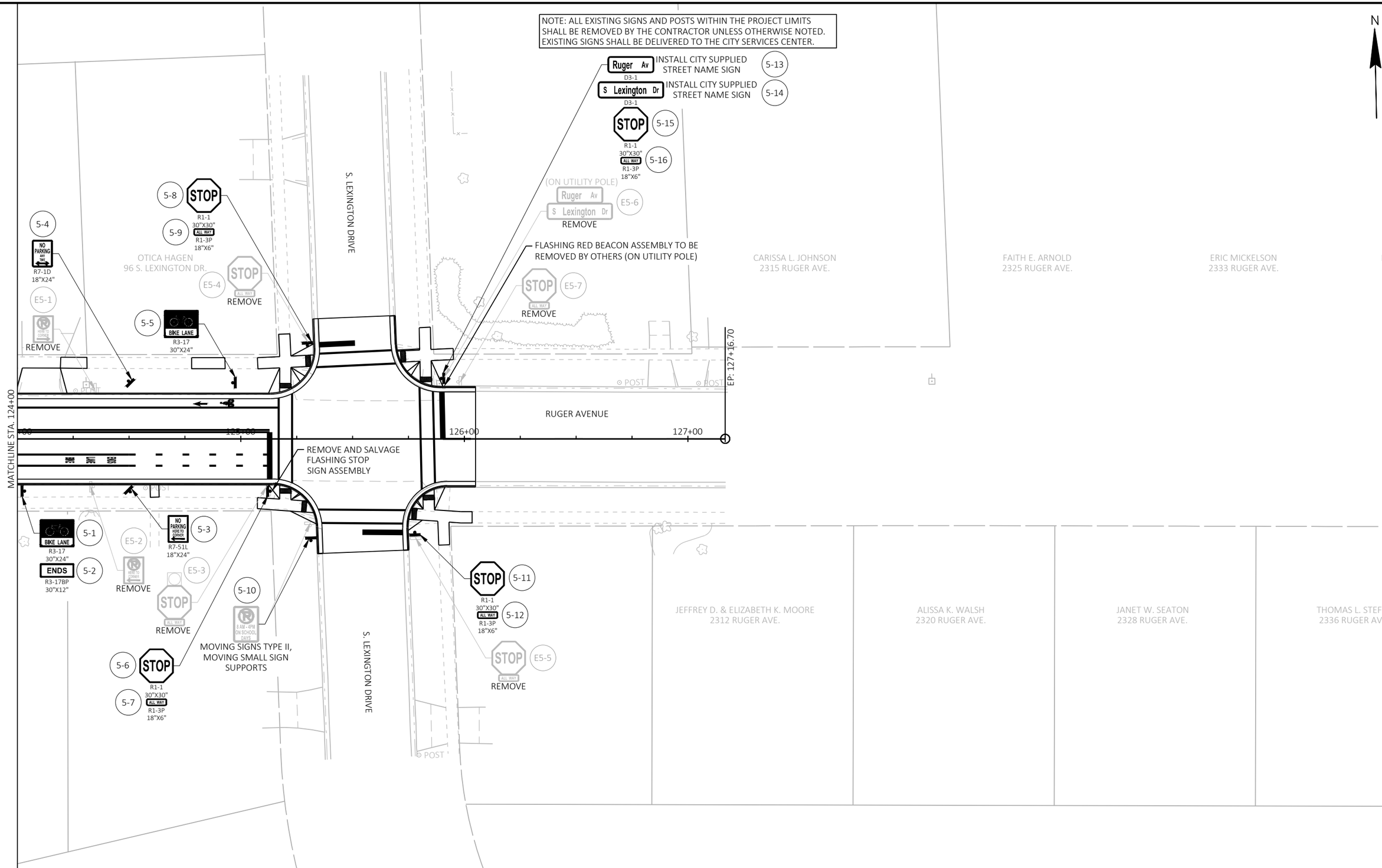
NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS SHALL BE DELIVERED TO THE CITY SERVICES CENTER.

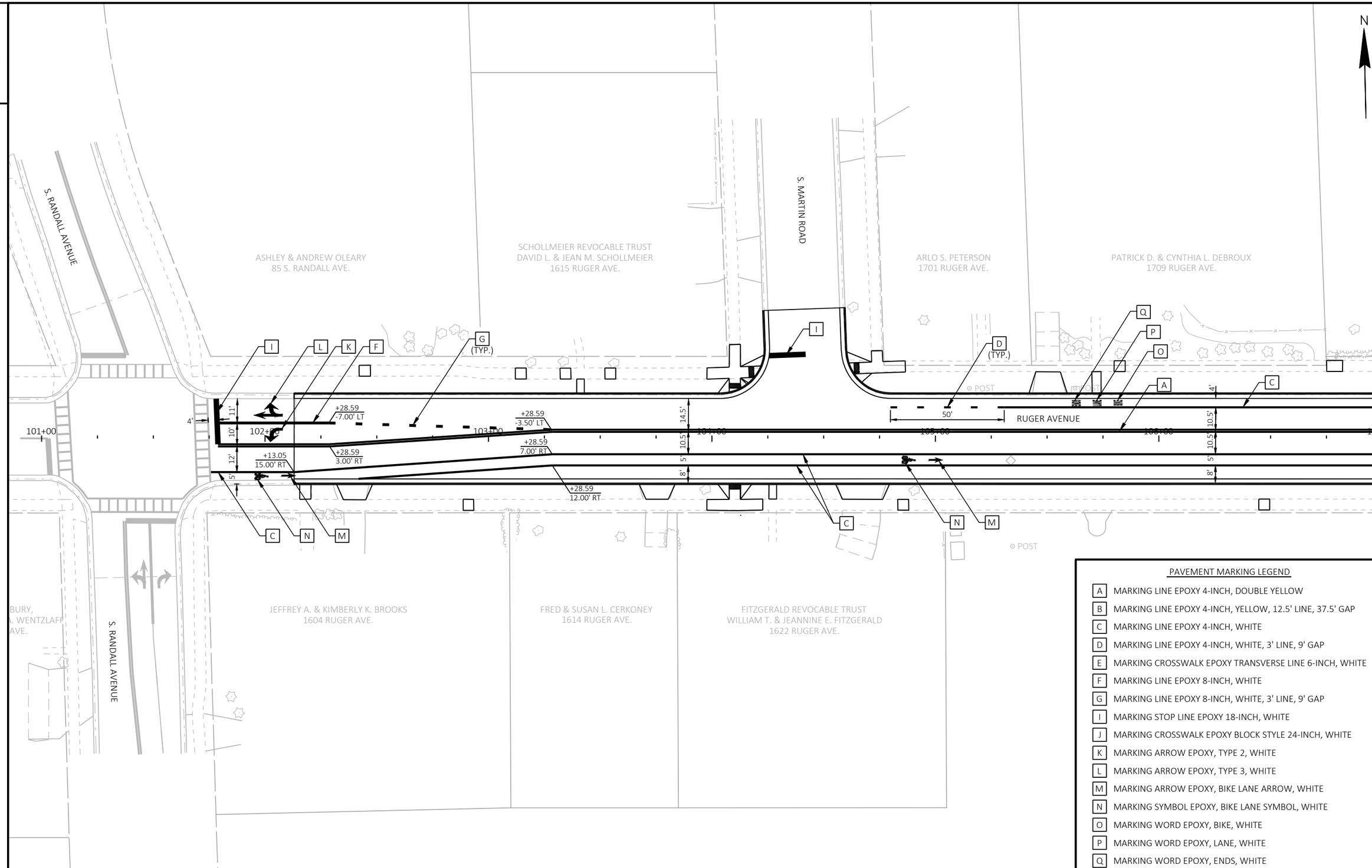


PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PERMANENT SIGNING	SHEET 55	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\023201-PS.DWG
LAYOUT NAME - 023204-ps
PLOT DATE : 7/29/2025 3:04 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS SHALL BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS SHALL BE DELIVERED TO THE CITY SERVICES CENTER.

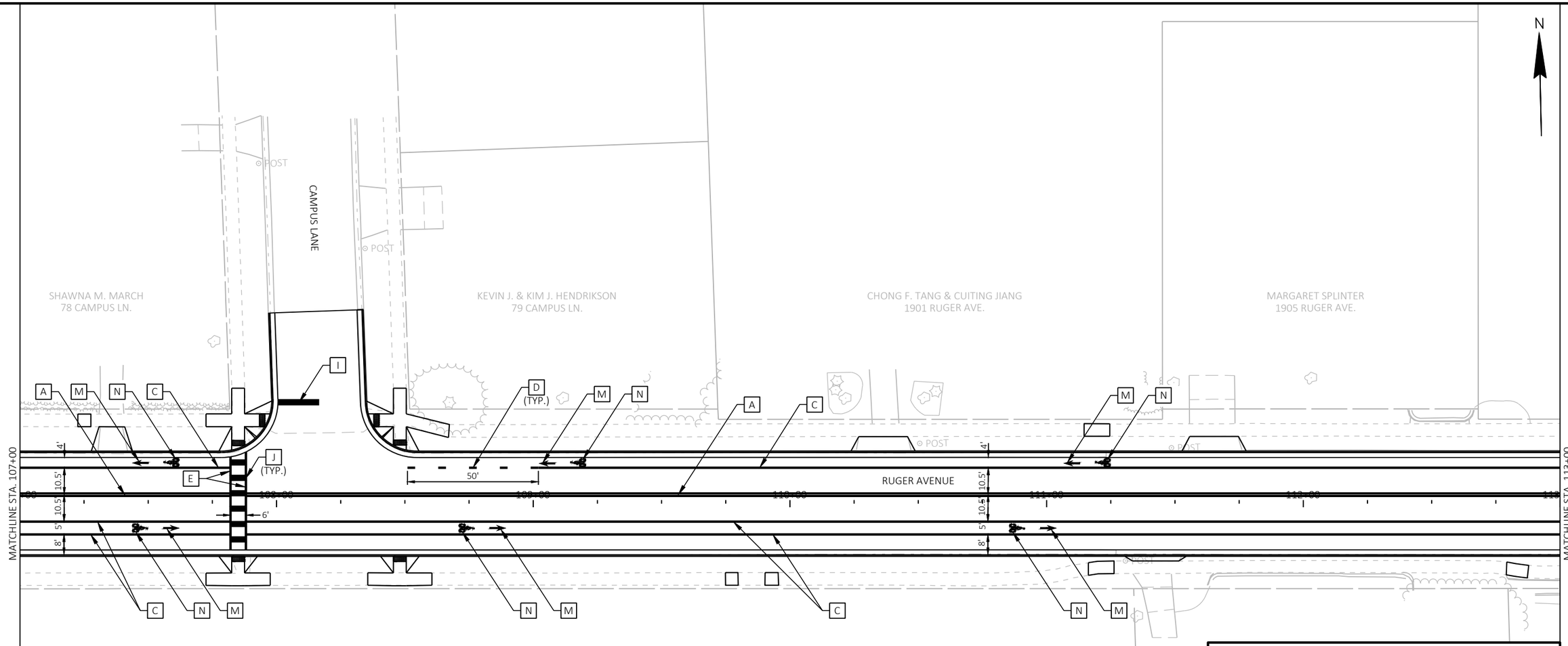




PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
B	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' LINE, 37.5' GAP
C	MARKING LINE EPOXY 4-INCH, WHITE
D	MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
E	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
F	MARKING LINE EPOXY 8-INCH, WHITE
G	MARKING LINE EPOXY 8-INCH, WHITE, 3' LINE, 9' GAP
I	MARKING STOP LINE EPOXY 18-INCH, WHITE
J	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
K	MARKING ARROW EPOXY, TYPE 2, WHITE
L	MARKING ARROW EPOXY, TYPE 3, WHITE
M	MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
N	MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE
O	MARKING WORD EPOXY, BIKE, WHITE
P	MARKING WORD EPOXY, LANE, WHITE
Q	MARKING WORD EPOXY, ENDS, WHITE

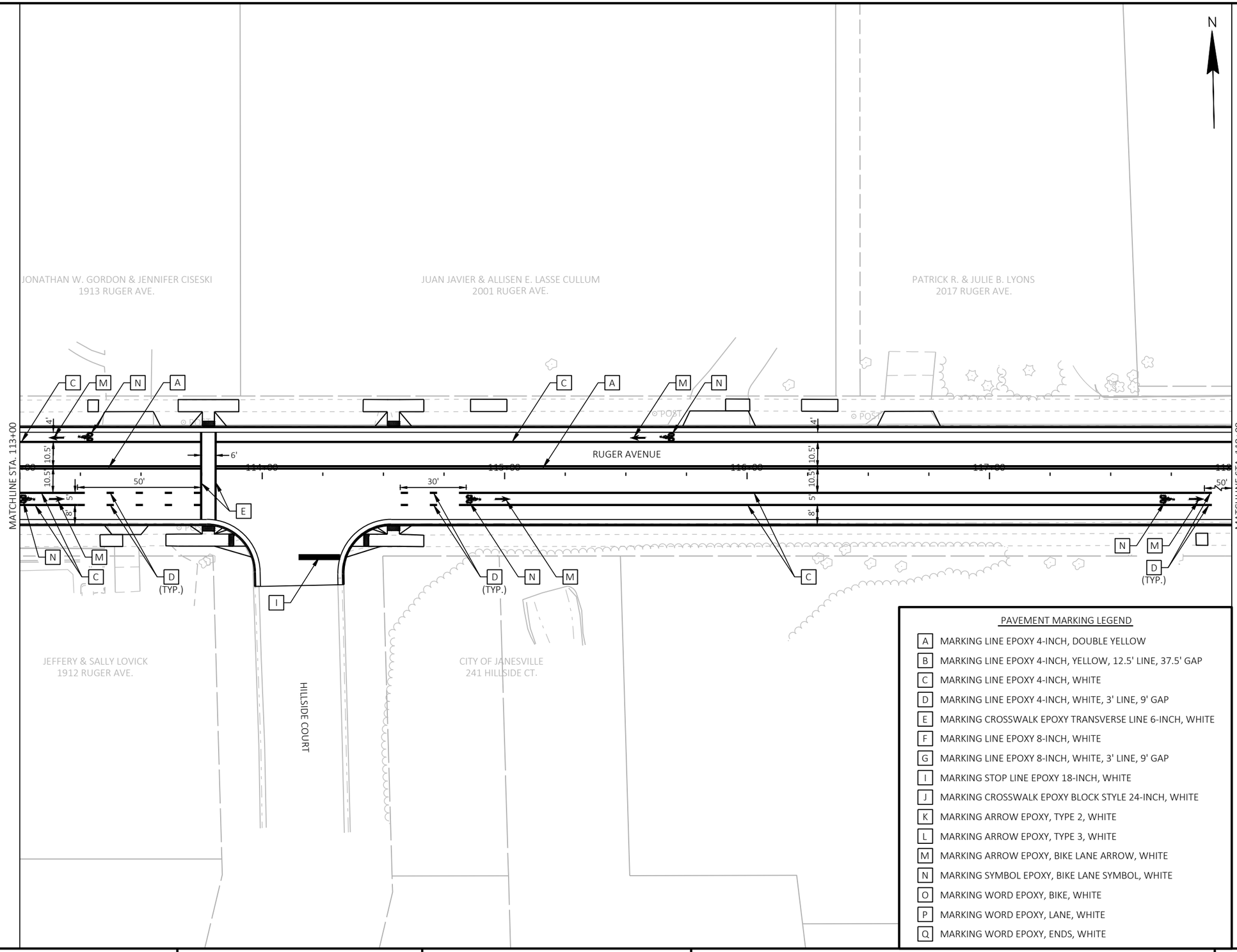
PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 57	E



SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.

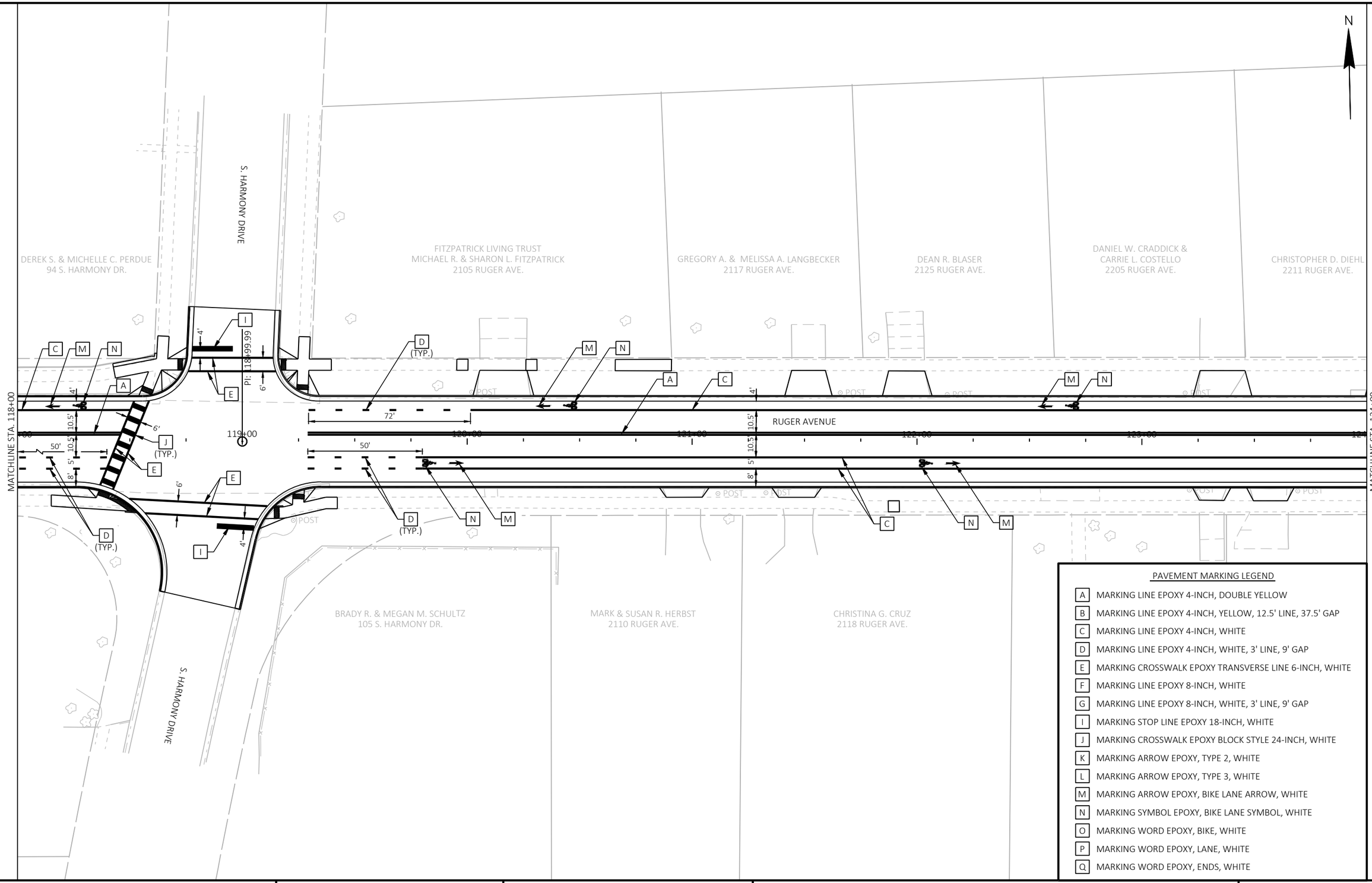
PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
B	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' LINE, 37.5' GAP
C	MARKING LINE EPOXY 4-INCH, WHITE
D	MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
E	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
F	MARKING LINE EPOXY 8-INCH, WHITE
G	MARKING LINE EPOXY 8-INCH, WHITE, 3' LINE, 9' GAP
I	MARKING STOP LINE EPOXY 18-INCH, WHITE
J	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
K	MARKING ARROW EPOXY, TYPE 2, WHITE
L	MARKING ARROW EPOXY, TYPE 3, WHITE
M	MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
N	MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE
O	MARKING WORD EPOXY, BIKE, WHITE
P	MARKING WORD EPOXY, LANE, WHITE
Q	MARKING WORD EPOXY, ENDS, WHITE



PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
B	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' LINE, 37.5' GAP
C	MARKING LINE EPOXY 4-INCH, WHITE
D	MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
E	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
F	MARKING LINE EPOXY 8-INCH, WHITE
G	MARKING LINE EPOXY 8-INCH, WHITE, 3' LINE, 9' GAP
I	MARKING STOP LINE EPOXY 18-INCH, WHITE
J	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
K	MARKING ARROW EPOXY, TYPE 2, WHITE
L	MARKING ARROW EPOXY, TYPE 3, WHITE
M	MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
N	MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE
O	MARKING WORD EPOXY, BIKE, WHITE
P	MARKING WORD EPOXY, LANE, WHITE
Q	MARKING WORD EPOXY, ENDS, WHITE

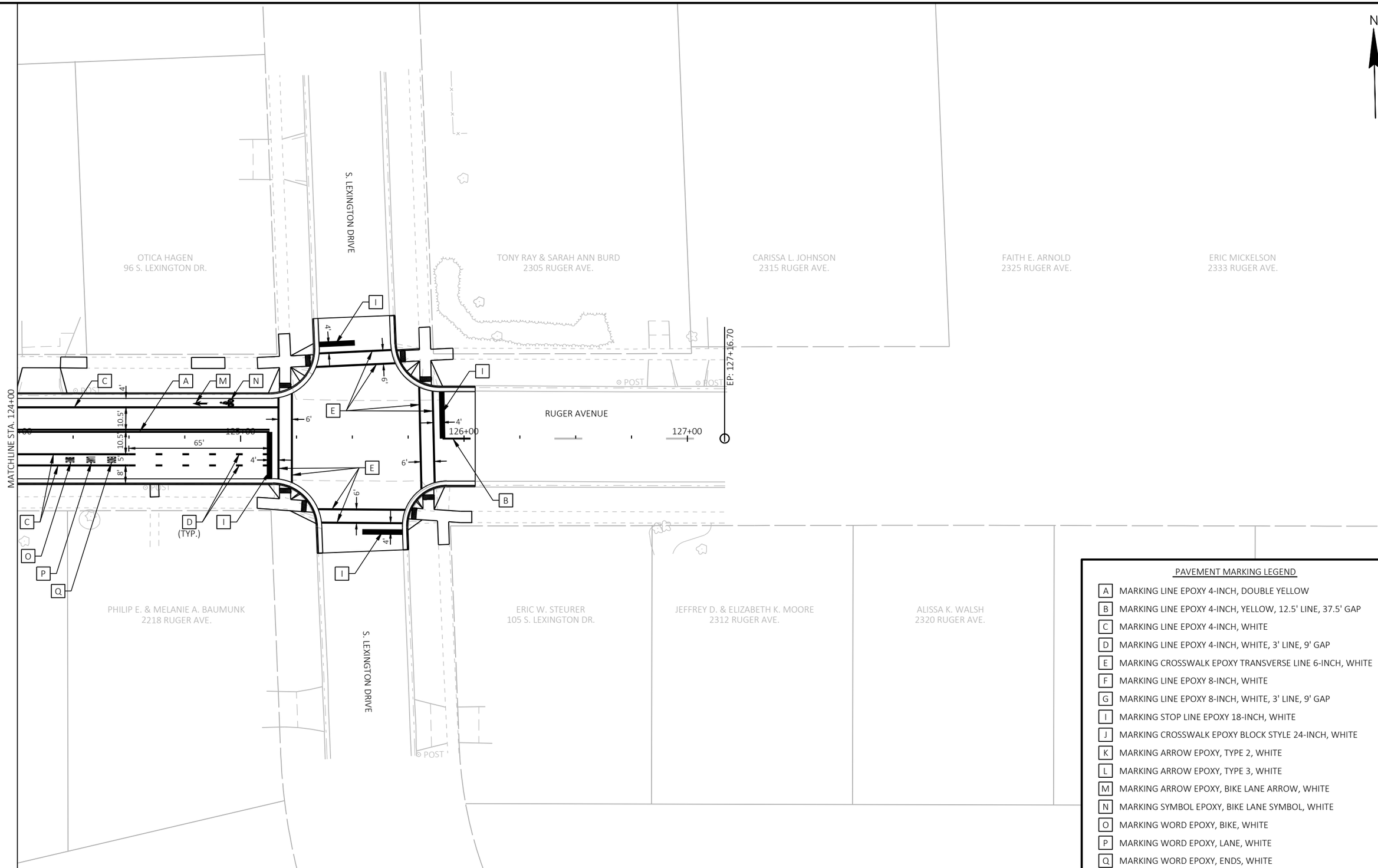


PAVEMENT MARKING LEGEND

A	MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
B	MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' LINE, 37.5' GAP
C	MARKING LINE EPOXY 4-INCH, WHITE
D	MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
E	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
F	MARKING LINE EPOXY 8-INCH, WHITE
G	MARKING LINE EPOXY 8-INCH, WHITE, 3' LINE, 9' GAP
I	MARKING STOP LINE EPOXY 18-INCH, WHITE
J	MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
K	MARKING ARROW EPOXY, TYPE 2, WHITE
L	MARKING ARROW EPOXY, TYPE 3, WHITE
M	MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
N	MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE
O	MARKING WORD EPOXY, BIKE, WHITE
P	MARKING WORD EPOXY, LANE, WHITE
Q	MARKING WORD EPOXY, ENDS, WHITE

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 60	E

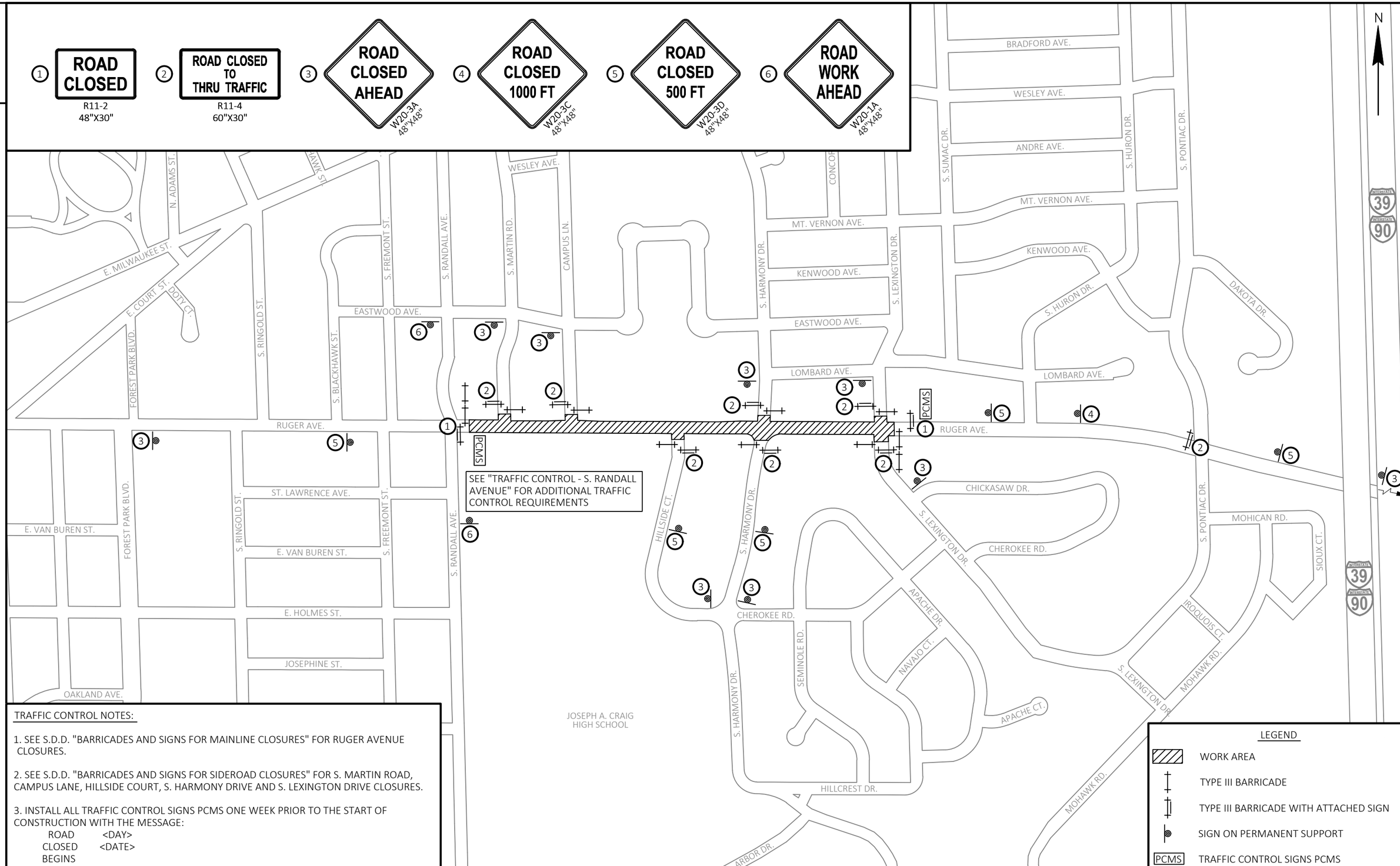
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024504-pm
PLOT DATE : 7/29/2025 3:08 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT



PAVEMENT MARKING LEGEND

- A MARKING LINE EPOXY 4-INCH, DOUBLE YELLOW
- B MARKING LINE EPOXY 4-INCH, YELLOW, 12.5' LINE, 37.5' GAP
- C MARKING LINE EPOXY 4-INCH, WHITE
- D MARKING LINE EPOXY 4-INCH, WHITE, 3' LINE, 9' GAP
- E MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, WHITE
- F MARKING LINE EPOXY 8-INCH, WHITE
- G MARKING LINE EPOXY 8-INCH, WHITE, 3' LINE, 9' GAP
- I MARKING STOP LINE EPOXY 18-INCH, WHITE
- J MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH, WHITE
- K MARKING ARROW EPOXY, TYPE 2, WHITE
- L MARKING ARROW EPOXY, TYPE 3, WHITE
- M MARKING ARROW EPOXY, BIKE LANE ARROW, WHITE
- N MARKING SYMBOL EPOXY, BIKE LANE SYMBOL, WHITE
- O MARKING WORD EPOXY, BIKE, WHITE
- P MARKING WORD EPOXY, LANE, WHITE
- Q MARKING WORD EPOXY, ENDS, WHITE

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PAVEMENT MARKINGS	SHEET 61	E



TRAFFIC CONTROL NOTES:

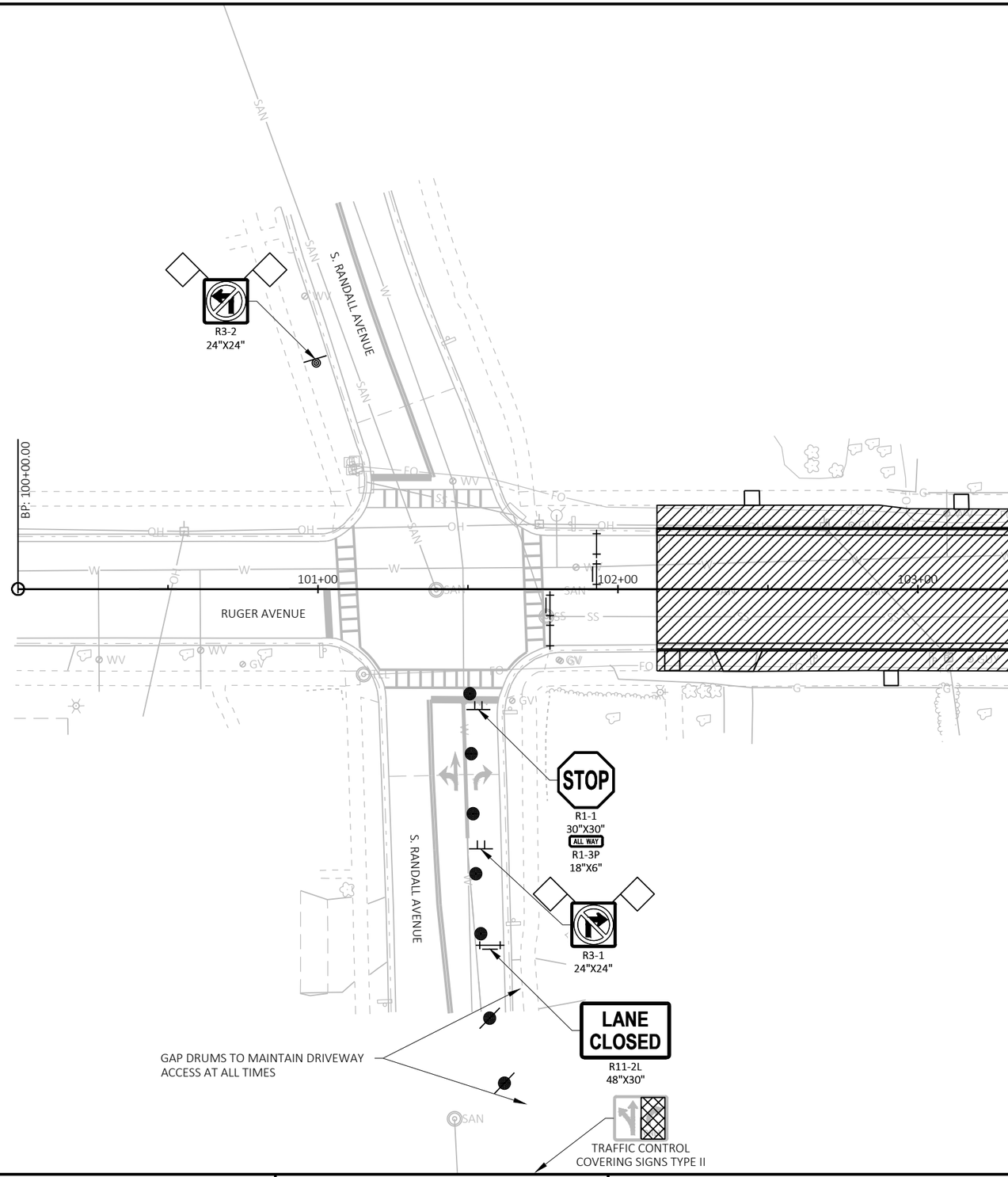
1. SEE S.D.D. "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" FOR RUGER AVENUE CLOSURES.

2. SEE S.D.D. "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" FOR S. MARTIN ROAD, CAMPUS LANE, HILLSIDE COURT, S. HARMONY DRIVE AND S. LEXINGTON DRIVE CLOSURES.

3. INSTALL ALL TRAFFIC CONTROL SIGNS PCMS ONE WEEK PRIOR TO THE START OF CONSTRUCTION WITH THE MESSAGE:

ROAD
CLOSED <DAY>
BEGINS <DATE>

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	TRAFFIC CONTROL	SHEET 62	E



LEGEND

- WORK AREA
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE 'C' STEADY BURN LIGHT
- FLAGS, 16" X 16" MIN. (ORANGE)

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	TRAFFIC CONTROL - S. RANDALL AVENUE	SHEET 63	E

2

LEGEND

- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY PEDESTRIAN SURFACE MATTING
- TEMPORARY PEDESTRIAN CURB RAMP

PEDESTRIAN ACCESS NOTES

1. MAINTAIN AN ADA ACCESSIBLE PEDESTRIAN ACCESS, 6-FT WIDE DESIRABLE (4-FT MINIMUM) ON EITHER THE EXISTING SIDEWALK OR A TEMPORARY SURFACE TO ALL RESIDENTIAL ENTRANCES ALONG RUGER AVENUE THROUGH THE WORK ZONE AS LONG AS POSSIBLE. IF A 4-FT WIDE PEDESTRIAN ACCESS IS NECESSARY, INSTALL PASSING ZONES AS SHOWN ON S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION."

2. PROVIDE PROTECTION FROM ANY DROP-OFF EXCEEDING 6-INCHES.

3. WHEN REMAINING SIDEWALKS NEED TO BE REMOVED FOR REPLACEMENT, LEVEL AND COMPACT THE BASE COURSE MATERIAL IN THE REMOVAL AREAS WITHIN 24 HOURS, AND THE NEW CONCRETE SIDEWALK SHALL BE IN PLACE AND AVAILABLE FOR PEDESTRIAN USE WITHIN THE SAME WORK WEEK. CLOSURE OF SIDEWALK SHALL BE APPROVED BY THE ENGINEER AND BE LIMITED TO ONE SIDE OF THE STREET AT A TIME TO MAINTAIN PEDESTRIAN ACCESS ALONG RUGER AVENUE (THE CONTRACTOR WILL ONLY BE ABLE TO REMOVE THE SIDEWALK ON ONE SIDE OF THE STREET AT A TIME).

4. COORDINATE WITH RESIDENTS WHEN ACCESS TO THEIR HOMES WILL BE CLOSED OFF FOR SIDEWALK INSTALLATION AND ANY OTHER WORK THAT MAY IMPACT PEDESTRIAN ACCESS.

5. PROVIDE A SINGLE TEMPORARY CROSSWALK AT THE S. MARTIN ROAD, CAMPUS LANE, HILLSIDE COURT, S. HARMONY DRIVE AND S. LEXINGTON DRIVE INTERSECTIONS TO ALLOW PEDESTRIAN PASSAGE THROUGH THE RUGER AVENUE WORK ZONE AT ALL TIMES.

6. TEMPORARY CROSSWALKS SHALL BE MOVED AS NEEDED TO PROVIDE CONTINUOUS PEDESTRIAN ACCESS THROUGHOUT THE WORK ZONE.

7. SURFACE APPLIED DETECTABLE WARNING FIELDS AND 4-INCH PVC PIPE (IF NECESSARY FOR DRAINAGE) SHALL BE INCIDENTAL TO THE "TEMPORARY CURB RAMP" BID ITEM.

8. COORDINATE TEMPORARY CROSSWALK LOCATIONS ON SIDE STREETS WITH THE CITY OF JANESVILLE TO MINIMIZE THE AMOUNT OF ON-STREET PARKING STALLS THAT WILL BE TEMPORARILY IMPACTED.

9. SEE S.D.D. "TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION" FOR ADDITIONAL INFORMATION.

2

N

S. RANDALL AVENUE

S. MARTIN ROAD

RUGER AVENUE

ASHLEY & ANDREW OLEARY
85 S. RANDALL AVE.

SCHOLLMEIER REVOCABLE TRUST

(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
R9-11AR 24"X12" OR R9-11AL 24"X12"

TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH

SIDEWALK CLOSED
R9-9
24"X12"

(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)

(ADJUST LOCATION WHEN SIDEWALK ON THE SOUTH SIDE OF THE ROAD IS BEING CONSTRUCTED)
R9-11R 24"X12" OR R9-11L 24"X12"

(ADJUST LOCATION WHEN SIDEWALK ON THE SOUTH SIDE OF THE ROAD IS BEING CONSTRUCTED)
R9-11R 24"X12" OR R9-11L 24"X12"

(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
SIDEWALK CLOSED
R9-9
24"X12"

101+00 102+00 103+00 104+00 105+00 106+00 107

MATCHLINE STA. 107+00

MAINTAIN EXISTING CROSSWALKS AT ALL TIMES

MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS RUGER AVENUE AT ALL TIMES. INSTALL TEMPORARY PEDESTRIAN SURFACE IF NO PAVEMENT IS IN PLACE.

MAINTAIN EXISTING 5-FT WIDE SIDEWALK DESIRABLE (4-FT MINIMUM) TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. COORDINATE WITH FIELD ENGINEER, CITY OF JANESVILLE, AND PROPERTY OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO RESIDENCES.

(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
M4-60D
30"X24"

JEFFREY A. & KIMBERLY K. BROOKS
1604 RUGER AVE.

FRED & SUSAN L. CERKONEY
1614 RUGER AVE.

FITZGERALD REVOCABLE TRUST
WILLIAM T. & JEANNINE E. FITZGERALD
1622 RUGER AVE.

SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.

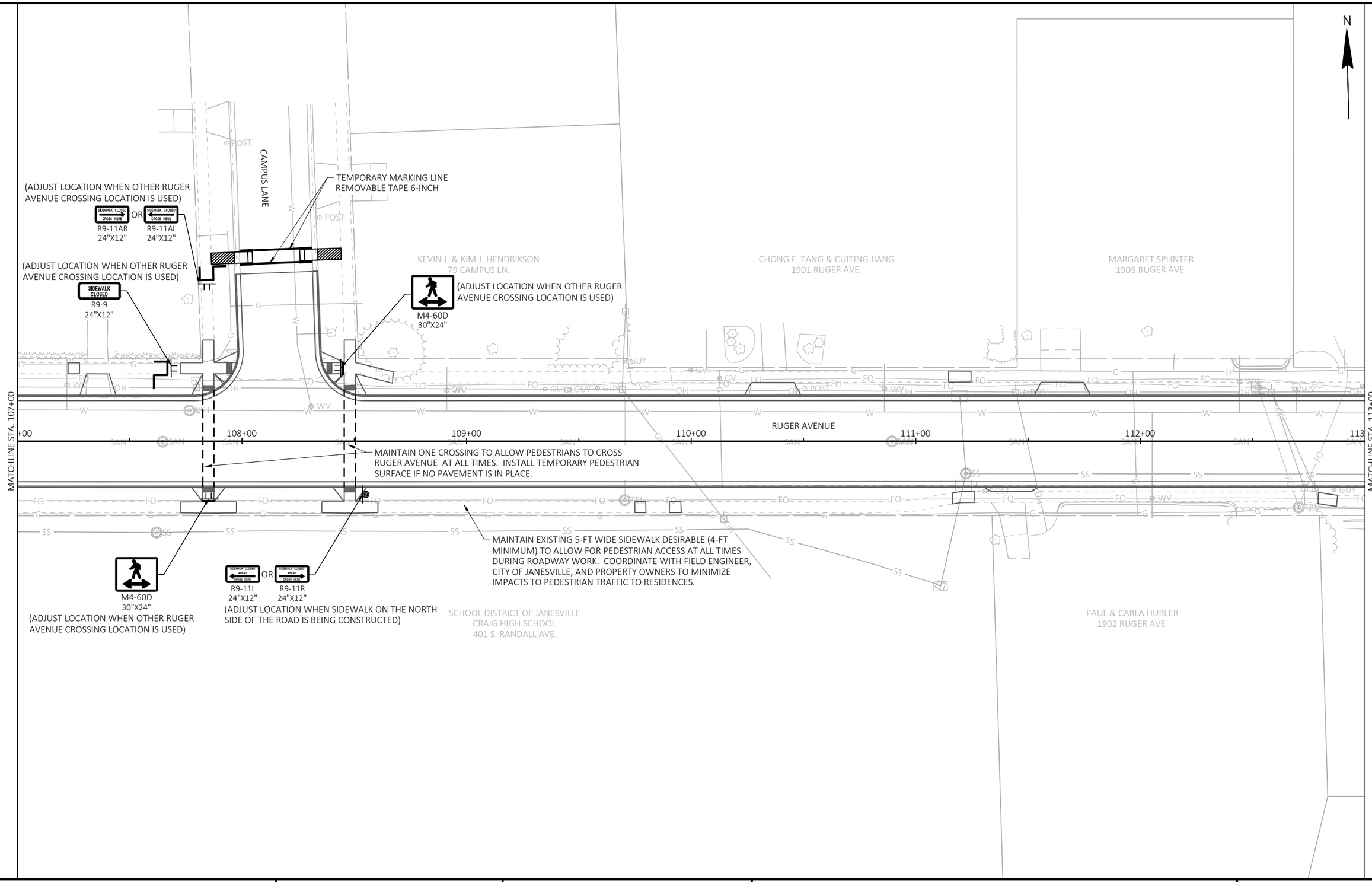
BURY,
. WENTZLAFF
AVE.

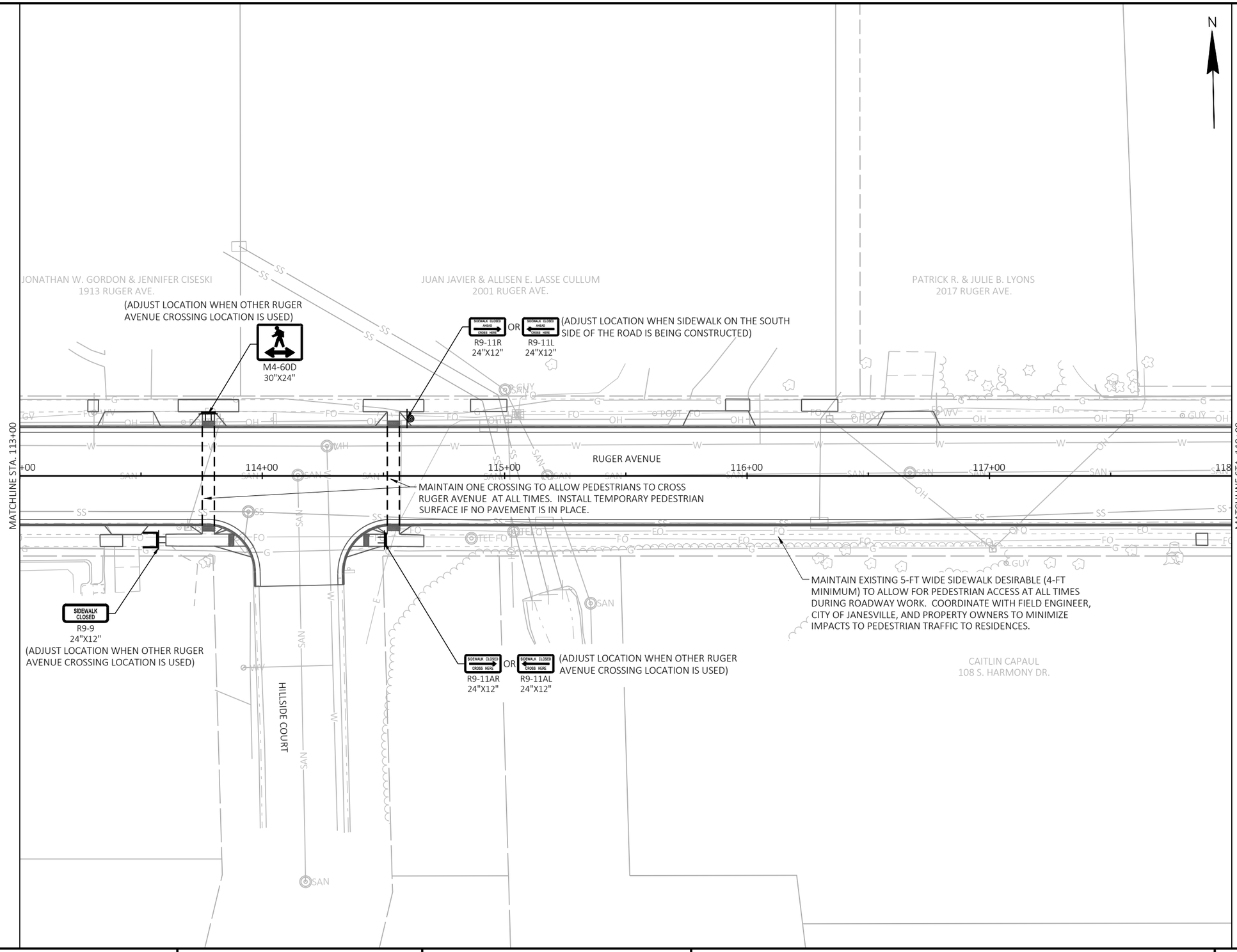
S. RANDALL AVENUE

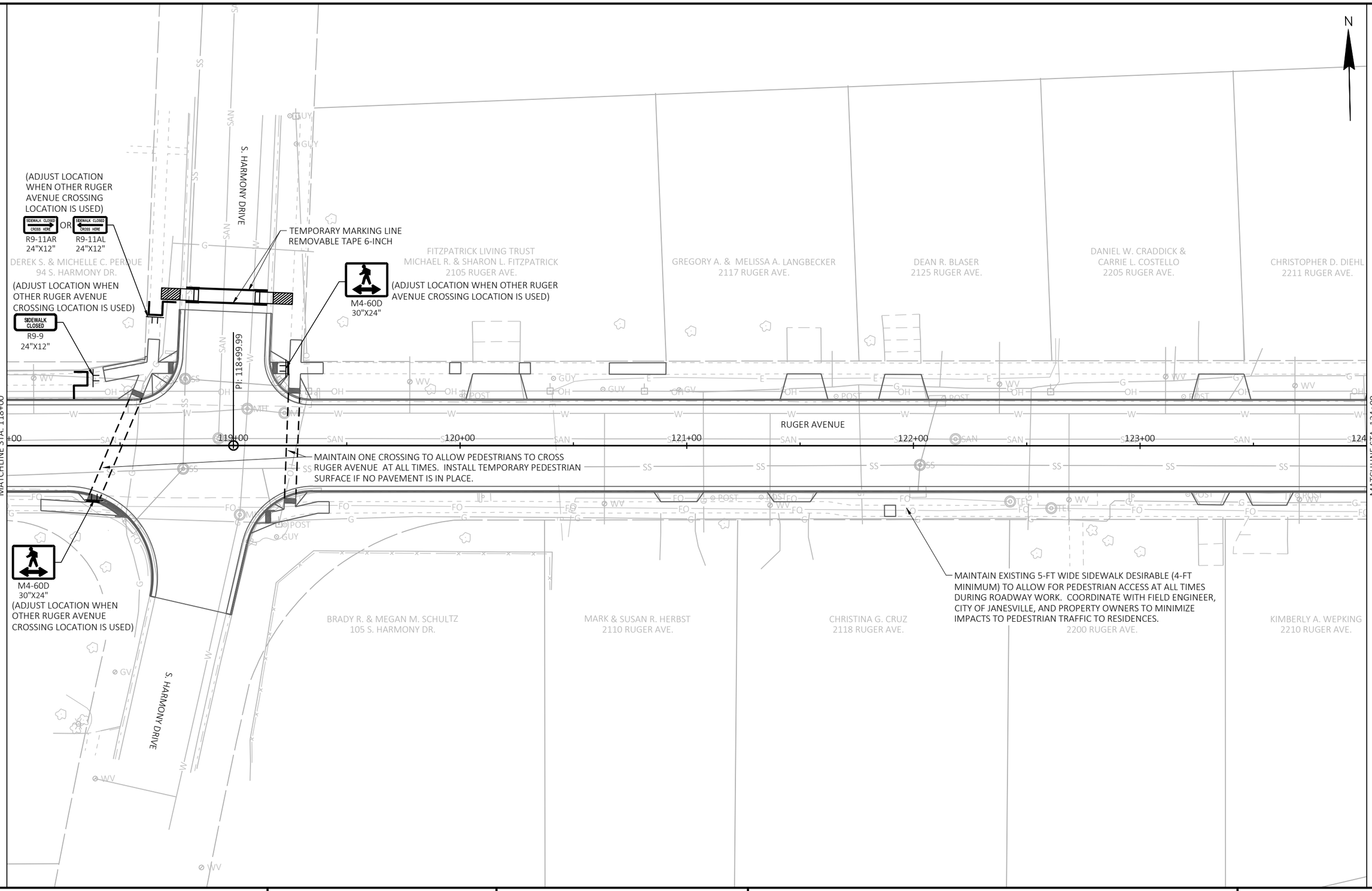
2

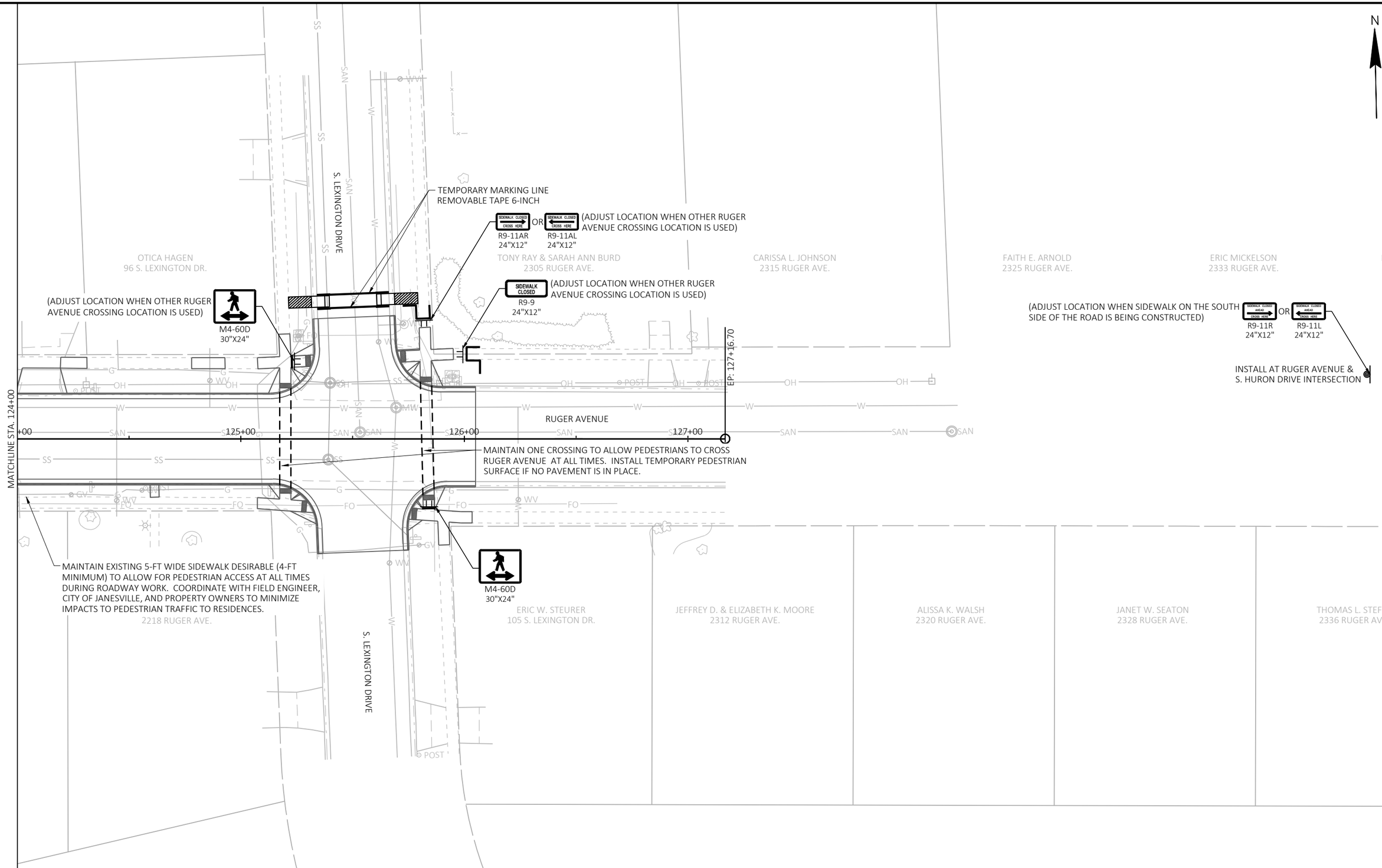
PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PEDESTRIAN ACCESS	SHEET 65	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\025102-TC PED.DWG
LAYOUT NAME - 025102-tc ped
PLOT DATE : 7/29/2025 3:13 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT


N
CAMPUS LANE
TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
SIDEWALK CLOSED CROSS HERE
OR
SIDEWALK CLOSED CROSS HERE
R9-11AR
24"X12"
R9-11AL
24"X12"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
SIDEWALK CLOSED
R9-9
24"X12"
KEVIN J. & KIM J. HENDRIKSON
79 CAMPUS LN.
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
M4-60D
30"X24"
CHONG F. TANG & CUITING JIANG
1901 RUGER AVE.
MARGARET SPLINTER
1905 RUGER AVE.
MATCHLINE STA. 107+00
108+00
109+00
110+00
RUGER AVENUE
111+00
112+00
113
MATCHLINE STA. 113+00
MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS RUGER AVENUE AT ALL TIMES. INSTALL TEMPORARY PEDESTRIAN SURFACE IF NO PAVEMENT IS IN PLACE.
MAINTAIN EXISTING 5-FT WIDE SIDEWALK DESIRABLE (4-FT MINIMUM) TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. COORDINATE WITH FIELD ENGINEER, CITY OF JANESVILLE, AND PROPERTY OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO RESIDENCES.
M4-60D
30"X24"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
SIDEWALK CLOSED AHEAD CROSS HERE
OR
SIDEWALK CLOSED AHEAD CROSS HERE
R9-11L
24"X12"
R9-11R
24"X12"
(ADJUST LOCATION WHEN SIDEWALK ON THE NORTH SIDE OF THE ROAD IS BEING CONSTRUCTED)
SCHOOL DISTRICT OF JANESVILLE
CRAIG HIGH SCHOOL
401 S. RANDALL AVE.
PAUL & CARLA HUBLER
1902 RUGER AVE.


N
JONATHAN W. GORDON & JENNIFER CISESKI
1913 RUGER AVE.
JUAN JAVIER & ALLISEN E. LASSE CULLUM
2001 RUGER AVE.
PATRICK R. & JULIE B. LYONS
2017 RUGER AVE.
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
M4-60D
30"X24"
R9-11R
24"X12"
OR
R9-11L
24"X12"
(ADJUST LOCATION WHEN SIDEWALK ON THE SOUTH SIDE OF THE ROAD IS BEING CONSTRUCTED)
MATCHLINE STA. 113+00
MATCHLINE STA. 118+00
114+00
115+00
116+00
117+00
RUGER AVENUE
MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS RUGER AVENUE AT ALL TIMES. INSTALL TEMPORARY PEDESTRIAN SURFACE IF NO PAVEMENT IS IN PLACE.
MAINTAIN EXISTING 5-FT WIDE SIDEWALK DESIRABLE (4-FT MINIMUM) TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. COORDINATE WITH FIELD ENGINEER, CITY OF JANESVILLE, AND PROPERTY OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO RESIDENCES.
SIDEWALK CLOSED
R9-9
24"X12"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
R9-11AR
24"X12"
OR
R9-11AL
24"X12"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
HILLSIDE COURT
CAITLIN CAPAUL
108 S. HARMONY DR.


N
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
SIDEWALK CLOSED CROSS HERE
OR
SIDEWALK CLOSED CROSS HERE
R9-11AR 24"X12"
R9-11AL 24"X12"
TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH
S. HARMONY DRIVE
DEREK S. & MICHELLE C. PERDUE
94 S. HARMONY DR.
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
SIDEWALK CLOSED
R9-9
24"X12"
M4-60D
30"X24"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
FITZPATRICK LIVING TRUST
MICHAEL R. & SHARON L. FITZPATRICK
2105 RUGER AVE.
GREGORY A. & MELISSA A. LANGBECKER
2117 RUGER AVE.
DEAN R. BLASER
2125 RUGER AVE.
DANIEL W. CRADDICK &
CARRIE L. COSTELLO
2205 RUGER AVE.
CHRISTOPHER D. DIEHL
2211 RUGER AVE.
PI: 118+99.99
MATCHLINE STA. 118+00
MATCHLINE STA. 124+00
119+00
120+00
121+00
122+00
123+00
RUGER AVENUE
MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS RUGER AVENUE AT ALL TIMES. INSTALL TEMPORARY PEDESTRIAN SURFACE IF NO PAVEMENT IS IN PLACE.
M4-60D
30"X24"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
MAINTAIN EXISTING 5-FT WIDE SIDEWALK DESIRABLE (4-FT MINIMUM) TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. COORDINATE WITH FIELD ENGINEER, CITY OF JANESVILLE, AND PROPERTY OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO RESIDENCES.
BRADY R. & MEGAN M. SCHULTZ
105 S. HARMONY DR.
MARK & SUSAN R. HERBST
2110 RUGER AVE.
CHRISTINA G. CRUZ
2118 RUGER AVE.
2200 RUGER AVE.
KIMBERLY A. WEPKING
2210 RUGER AVE.
S. HARMONY DRIVE


N
S. LEXINGTON DRIVE
TEMPORARY MARKING LINE
REMOVABLE TAPE 6-INCH
SIDEWALK CLOSED CROSS HERE
R9-11AR
24"X12"
OR
SIDEWALK CLOSED CROSS HERE
R9-11AL
24"X12"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
OTICA HAGEN
96 S. LEXINGTON DR.
TONY RAY & SARAH ANN BURD
2305 RUGER AVE.
CARISSA L. JOHNSON
2315 RUGER AVE.
FAITH E. ARNOLD
2325 RUGER AVE.
ERIC MICKELSON
2333 RUGER AVE.
SIDEWALK CLOSED
R9-9
24"X12"
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
(ADJUST LOCATION WHEN OTHER RUGER AVENUE CROSSING LOCATION IS USED)
M4-60D
30"X24"
(ADJUST LOCATION WHEN SIDEWALK ON THE SOUTH SIDE OF THE ROAD IS BEING CONSTRUCTED)
SIDEWALK CLOSED AHEAD CROSS HERE
R9-11R
24"X12"
OR
SIDEWALK CLOSED AHEAD CROSS HERE
R9-11L
24"X12"
INSTALL AT RUGER AVENUE &
S. HURON DRIVE INTERSECTION
EP: 127+16.70
MATCHLINE STA. 124+00
125+00
126+00
127+00
RUGER AVENUE
MAINTAIN ONE CROSSING TO ALLOW PEDESTRIANS TO CROSS RUGER AVENUE AT ALL TIMES. INSTALL TEMPORARY PEDESTRIAN SURFACE IF NO PAVEMENT IS IN PLACE.
MAINTAIN EXISTING 5-FT WIDE SIDEWALK DESIRABLE (4-FT MINIMUM) TO ALLOW FOR PEDESTRIAN ACCESS AT ALL TIMES DURING ROADWAY WORK. COORDINATE WITH FIELD ENGINEER, CITY OF JANESVILLE, AND PROPERTY OWNERS TO MINIMIZE IMPACTS TO PEDESTRIAN TRAFFIC TO RESIDENCES.
2218 RUGER AVE.
M4-60D
30"X24"
ERIC W. STEURER
105 S. LEXINGTON DR.
JEFFREY D. & ELIZABETH K. MOORE
2312 RUGER AVE.
ALISSA K. WALSH
2320 RUGER AVE.
JANET W. SEATON
2328 RUGER AVE.
THOMAS L. STEFFA
2336 RUGER AVE.
S. LEXINGTON DRIVE

2

DETOUR ROUTE NOTES:

1. SEE S.D.D.'s "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "DETOUR SIGNING FOR MAINLINE CLOSURES" FOR SIGN SPACING REQUIREMENTS.
2. COORDINATE SIGN PLACEMENT WITH TRAFFIC CONTROL SIGN LAYOUT.

LEGEND

- WORK AREA
- DETOUR ROUTE
- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT

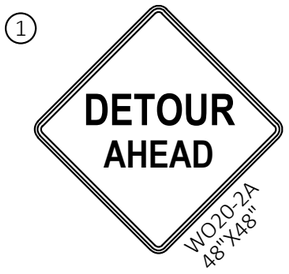
2

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	DETOUR ROUTE	SHEET 70	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt
PLOT DATE : 7/23/2025 11:12 AM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : NONE

2

1



2

M4-8A
24"X18"

3

M4-8
24"X12"

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

MO5-1L
21"X21"

4

M4-8
24"X12"

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

MO6-1L
21"X21"

5

M4-8
24"X12"

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

MO5-1R
21"X21"

6

M4-8
24"X12"

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

M06-1R
21"X21"

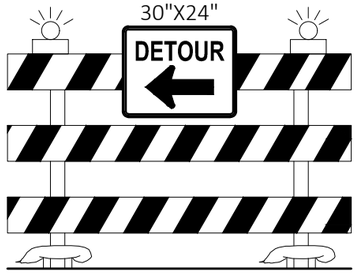
7

M4-8
24"X12"

TRAFFIC CONTROL
SIGNS FIXED MESSAGE
36"X12" (3 S.F.)

8

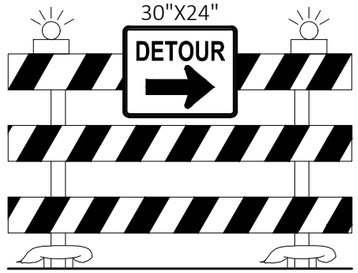
M4-9L
30"X24"



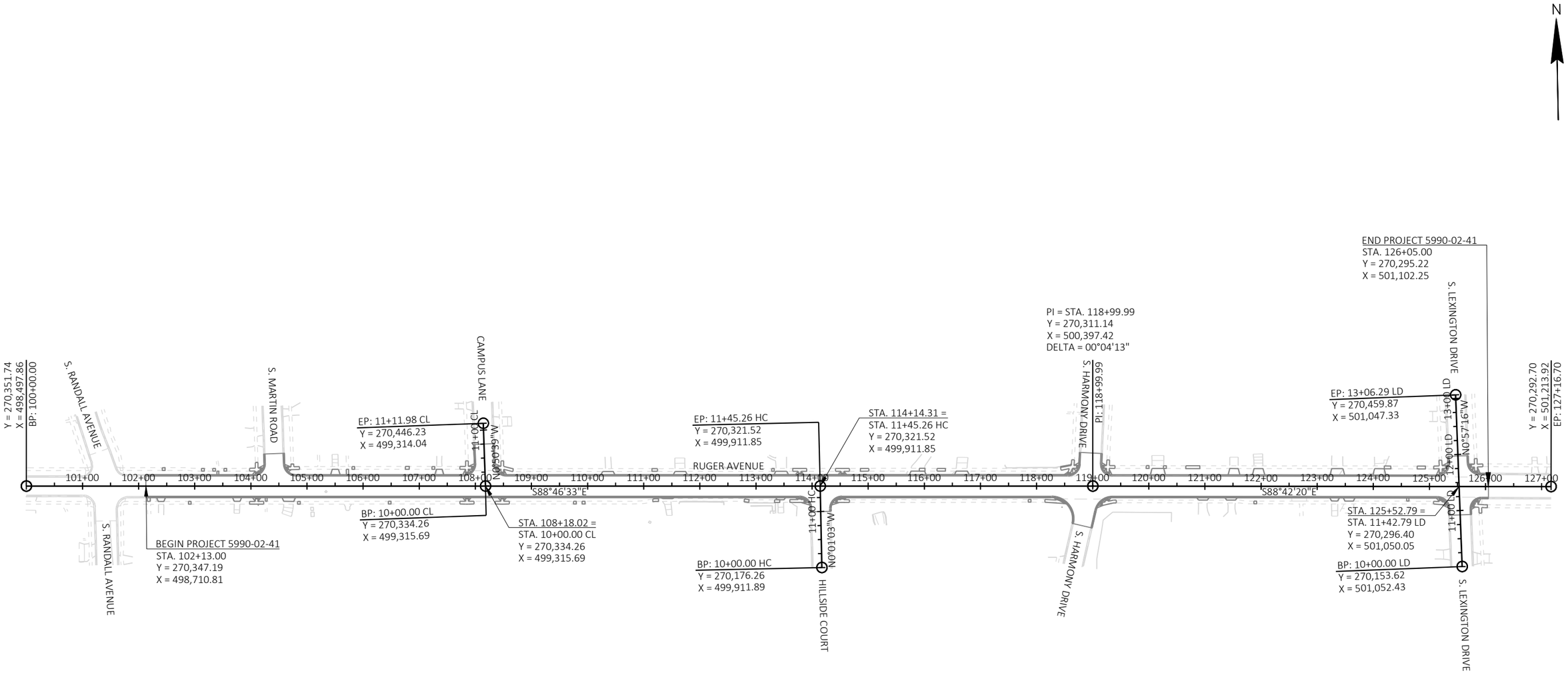
TYPE III BARRICADE

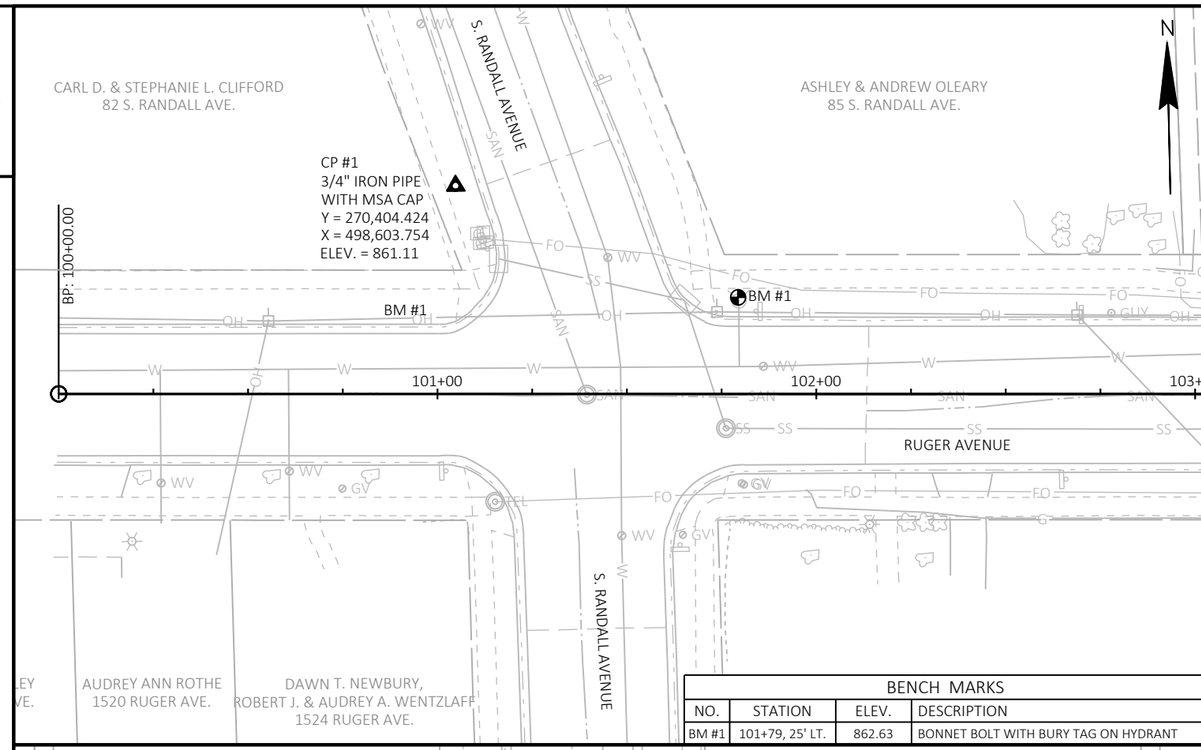
9

M4-9R
30"X24"

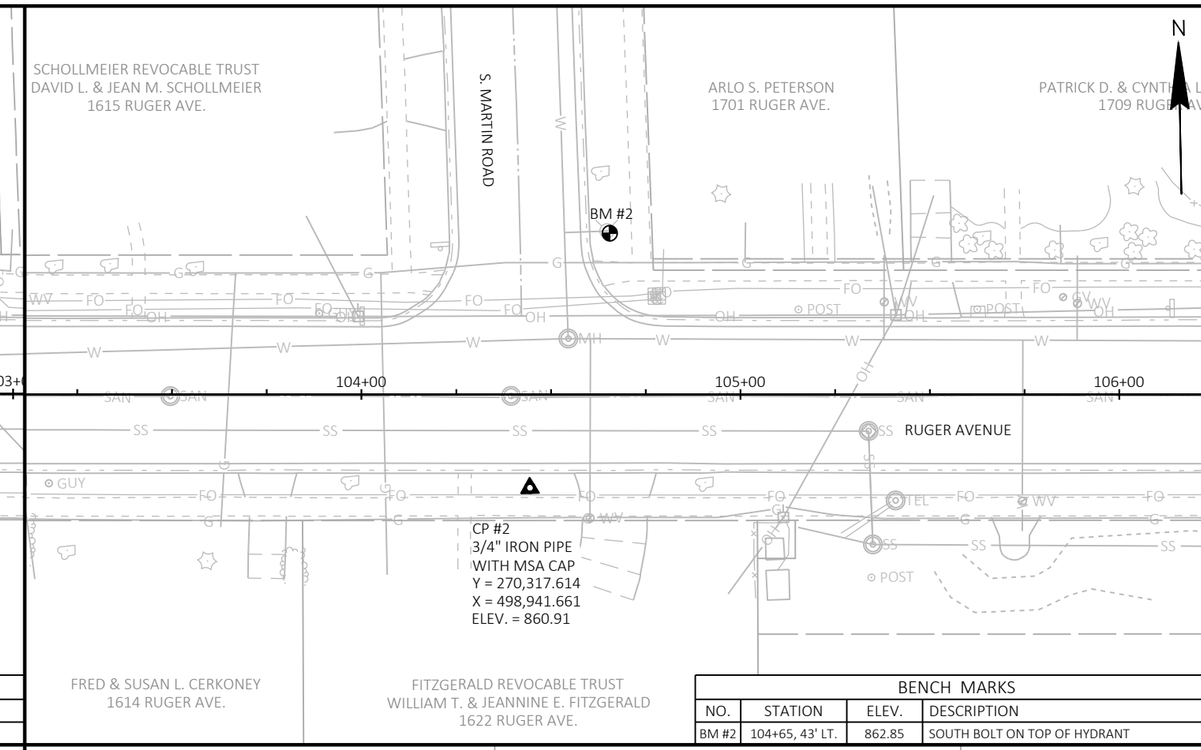


TYPE III BARRICADE

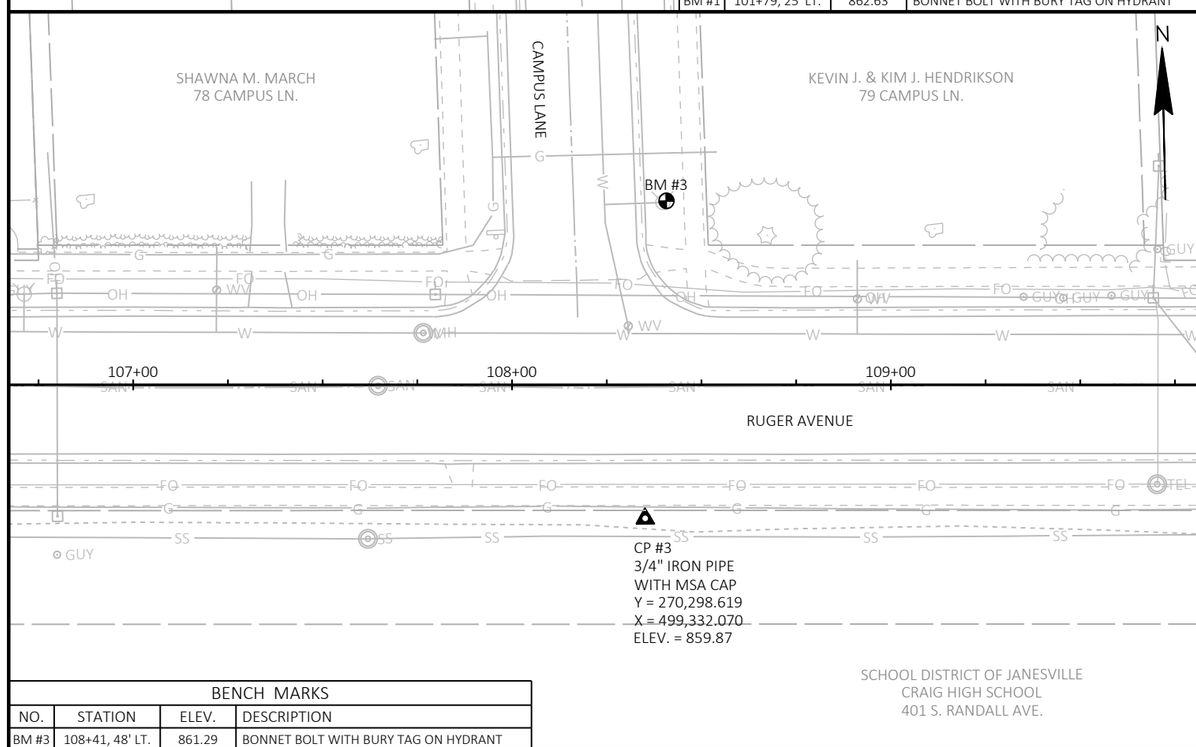

N
Y = 270,351.74
X = 498,497.86
BP: 100+00.00
S. RANDALL AVENUE
S. MARTIN ROAD
CAMPUS LANE
EP: 11+11.98 CL
Y = 270,446.23
X = 499,314.04
EP: 11+45.26 HC
Y = 270,321.52
X = 499,911.85
STA. 114+14.31 =
STA. 11+45.26 HC
Y = 270,321.52
X = 499,911.85
PI = STA. 118+99.99
Y = 270,311.14
X = 500,397.42
DELTA = 00°04'13"
S. HARMONY DRIVE
PI: 118+99.99
END PROJECT 5990-02-41
STA. 126+05.00
Y = 270,295.22
X = 501,102.25
S. LEXINGTON DRIVE
EP: 13+06.29 LD
Y = 270,459.87
X = 501,047.33
Y = 270,292.70
X = 501,213.92
EP: 127+16.70
RUGER AVENUE
S88°46'33"E
S88°42'20"E
BEGIN PROJECT 5990-02-41
STA. 102+13.00
Y = 270,347.19
X = 498,710.81
BP: 10+00.00 CL
Y = 270,334.26
X = 499,315.69
STA. 108+18.02 =
STA. 10+00.00 CL
Y = 270,334.26
X = 499,315.69
BP: 10+00.00 HC
Y = 270,176.26
X = 499,911.89
HILLSIDE COURT
STA. 125+52.79 =
STA. 11+42.79 LD
Y = 270,296.40
X = 501,050.05
BP: 10+00.00 LD
Y = 270,153.62
X = 501,052.43
101+00
102+00
103+00
104+00
105+00
106+00
107+00
108+00
109+00
110+00
111+00
112+00
113+00
114+00
115+00
116+00
117+00
118+00
119+00
120+00
121+00
122+00
123+00
124+00
125+00
126+00
127+00



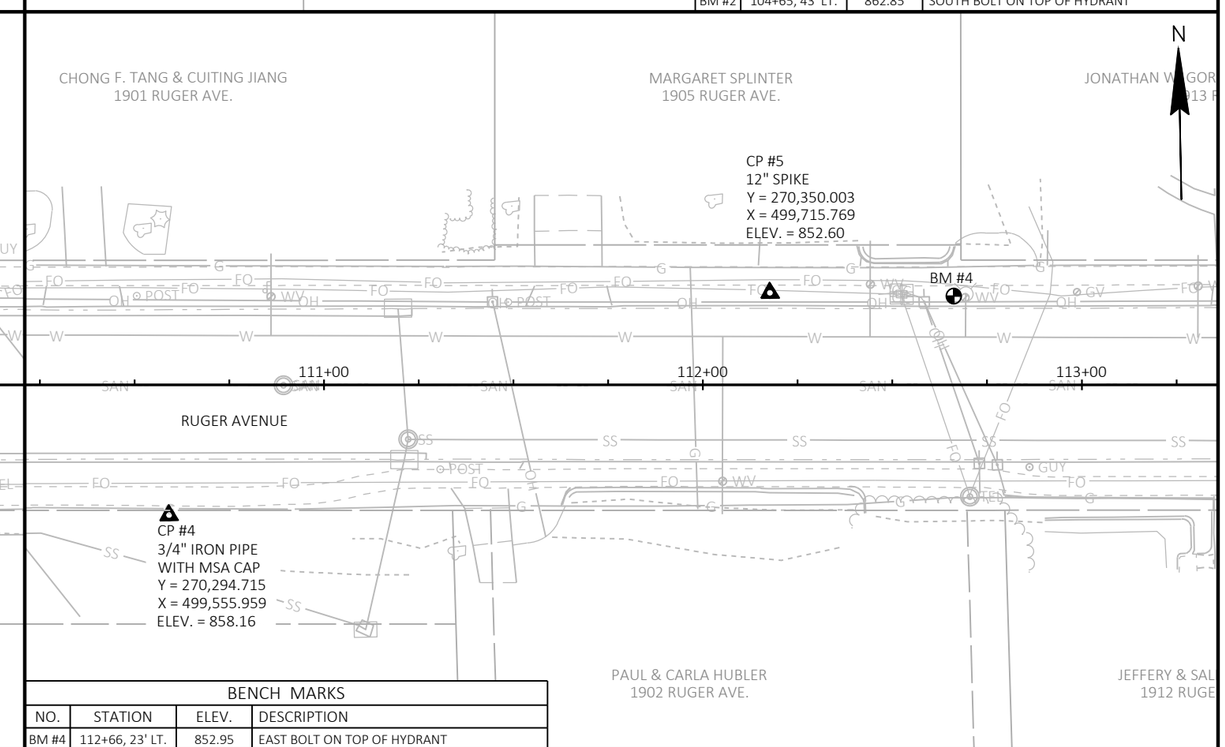
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #1	101+79, 25' LT.	862.63	BONNET BOLT WITH BURY TAG ON HYDRANT



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #2	104+65, 43' LT.	862.85	SOUTH BOLT ON TOP OF HYDRANT



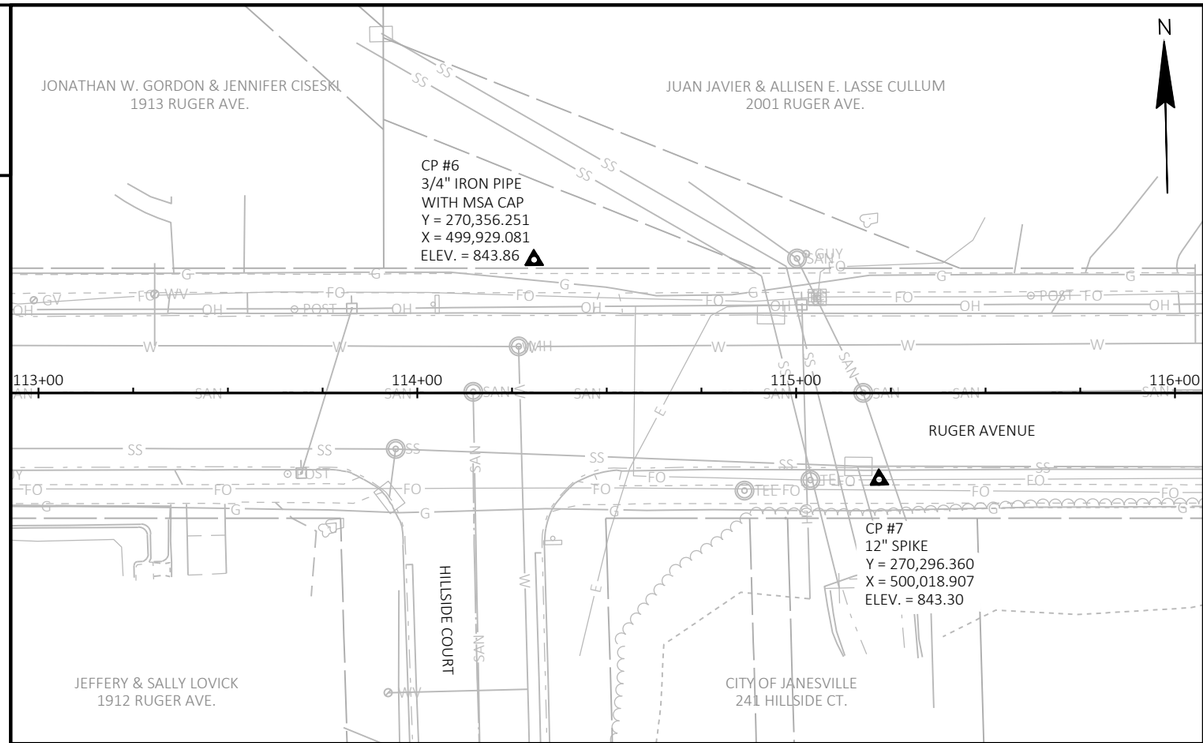
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	108+41, 48' LT.	861.29	BONNET BOLT WITH BURY TAG ON HYDRANT

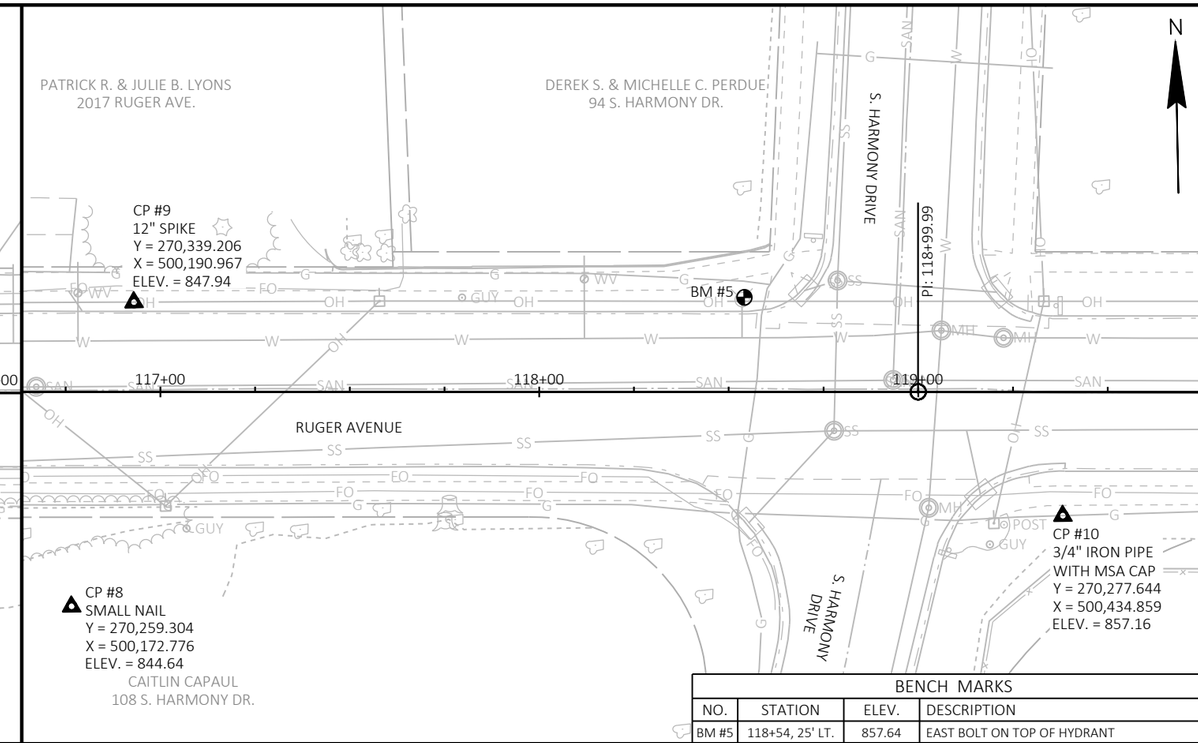


BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #4	112+66, 23' LT.	852.95	EAST BOLT ON TOP OF HYDRANT

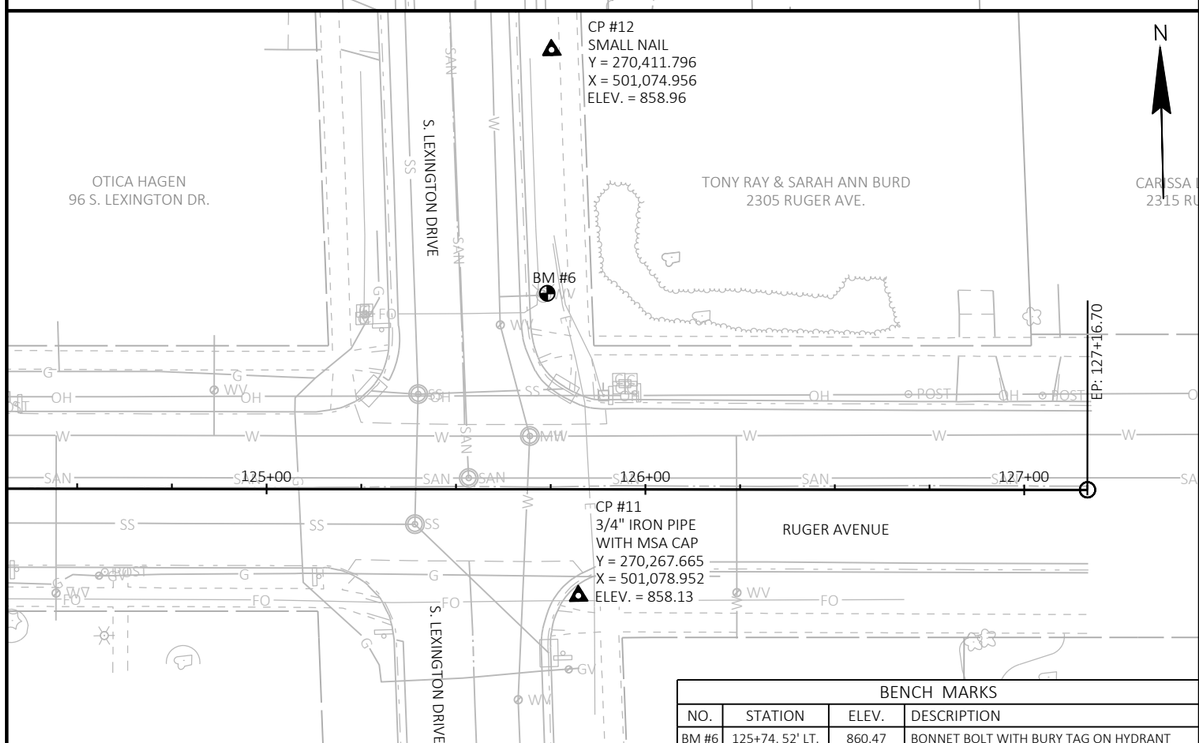
PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CONTROL POINTS	SHEET 73	E

2





BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #5	118+54, 25' LT.	857.64	EAST BOLT ON TOP OF HYDRANT



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #6	125+74, 52' LT.	860.47	BONNET BOLT WITH BURY TAG ON HYDRANT

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CONTROL POINTS	SHEET 74	E

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	5990-02-41 Qty	5990-02-42 Qty
0002	201.0120	Clearing	ID	94.000	94.000	
0004	201.0220	Grubbing	ID	94.000	94.000	
0006	204.0100	Removing Concrete Pavement	SY	300.000	300.000	
0008	204.0150	Removing Curb & Gutter	LF	4,935.000	4,935.000	
0010	204.0155	Removing Concrete Sidewalk	SY	580.000	580.000	
0012	204.0210	Removing Manholes	EACH	6.000	6.000	
0014	204.0220	Removing Inlets	EACH	10.000	10.000	
0016	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	395.000	395.000	
0018	204.0245	Removing Storm Sewer (size) 02. 18-Inch	LF	43.000	43.000	
0020	204.0245	Removing Storm Sewer (size) 03. 42-Inch	LF	6.000	6.000	
0022	204.0280	Sealing Pipes	EACH	2.000	2.000	
0024	205.0100	Excavation Common	CY	8,500.000	8,500.000	
0026	213.0100	Finishing Roadway (project) 01. 5990-02-41	EACH	1.000	1.000	
0028	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	9,300.000	9,300.000	
0030	312.0115	Select Crushed Material	CY	1,050.000	1,050.000	
0032	455.0605	Tack Coat	GAL	545.000	545.000	
0034	460.2000	Incentive Density HMA Pavement	DOL	1,950.000	1,950.000	
0036	460.5223	HMA Pavement 3 LT 58-28 S	TON	1,825.000	1,825.000	
0038	460.5225	HMA Pavement 5 LT 58-28 S	TON	1,220.000	1,220.000	
0040	601.0419	Concrete Curb & Gutter 30-Inch Type L	LF	4,825.000	4,825.000	
0042	601.0600	Concrete Curb Pedestrian	LF	19.000	19.000	
0044	602.0405	Concrete Sidewalk 4-Inch	SF	3,500.000	3,500.000	
0046	602.0415	Concrete Sidewalk 6-Inch	SF	2,550.000	2,550.000	
0048	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	300.000	300.000	
0050	602.0615	Curb Ramp Detectable Warning Field Radial Natural Patina	SF	29.600	29.600	
0052	602.0810	Concrete Driveway 6-Inch	SY	330.000	330.000	
0054	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	1,121.000	1,121.000	
0056	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	43.000	43.000	
0058	611.2004	Manholes 4-FT Diameter	EACH	5.000	5.000	
0060	611.2006	Manholes 6-FT Diameter	EACH	5.000	5.000	
0062	611.3230	Inlets 2x3-FT	EACH	13.000	13.000	
0064	611.8110	Adjusting Manhole Covers	EACH	7.000	1.000	6.000
0066	611.8115	Adjusting Inlet Covers	EACH	4.000	4.000	
0068	612.0902.S	Insulation Board Polystyrene (inch) 01. 2-Inch	SY	28.480		28.480
0070	618.0100	Maintenance and Repair of Haul Roads (project) 01. 5990-02-41	EACH	1.000	1.000	
0072	619.1000	Mobilization	EACH	1.000	0.930	0.070
0074	623.0200	Dust Control Surface Treatment	SY	14,325.000	14,325.000	
0076	624.0100	Water	MGAL	135.000	135.000	
0078	625.0100	Topsoil	SY	3,500.000	3,500.000	
0080	628.1905	Mobilizations Erosion Control	EACH	12.000	12.000	
0082	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000	
0084	628.7020	Inlet Protection Type D	EACH	39.000	39.000	
0086	628.7560	Tracking Pads	EACH	2.000	2.000	
0088	629.0210	Fertilizer Type B	CWT	2.300	2.300	
0090	631.0300	Sod Water	MGAL	200.000	200.000	
0092	631.1000	Sod Lawn	SY	3,500.000	3,500.000	
0094	634.0812	Posts Tubular Steel 2x2-Inch X 12-FT	EACH	50.000	50.000	
0096	637.2210	Signs Type II Reflective H	SF	189.620	189.620	
0098	637.2220	Signs Type II Reflective SH	SF	13.260	13.260	

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	5990-02-41 Qty	5990-02-42 Qty
0100	637.2230	Signs Type II Reflective F	SF	83.740	83.740	
0102	638.2102	Moving Signs Type II	EACH	3.000	3.000	
0104	638.2602	Removing Signs Type II	EACH	22.000	22.000	
0106	638.3000	Removing Small Sign Supports	EACH	18.000	18.000	
0108	638.4000	Moving Small Sign Supports	EACH	2.000	2.000	
0110	642.5201	Field Office Type C	EACH	1.000	1.000	
0112	643.0300	Traffic Control Drums	DAY	1,000.000	1,000.000	
0114	643.0420	Traffic Control Barricades Type III	DAY	2,700.000	2,700.000	
0116	643.0705	Traffic Control Warning Lights Type A	DAY	5,400.000	5,400.000	
0118	643.0715	Traffic Control Warning Lights Type C	DAY	230.000	230.000	
0120	643.0900	Traffic Control Signs	DAY	11,700.000	11,700.000	
0122	643.0920	Traffic Control Covering Signs Type II	EACH	2.000	2.000	
0124	643.1000	Traffic Control Signs Fixed Message	SF	90.000	90.000	
0126	643.1050	Traffic Control Signs PCMS	DAY	20.000	20.000	
0128	643.3180	Temporary Marking Line Removable Tape 6-Inch	LF	350.000	350.000	
0130	643.5000	Traffic Control	EACH	1.000	0.930	0.070
0132	644.1410	Temporary Pedestrian Surface Asphalt	SF	1,000.000	1,000.000	
0134	644.1430	Temporary Pedestrian Surface Plate	SF	1,000.000	1,000.000	
0136	644.1440	Temporary Pedestrian Surface Matting	SF	1,500.000	1,500.000	
0138	644.1601	Temporary Pedestrian Curb Ramp	DAY	1,150.000	1,150.000	
0140	644.1605	Temporary Pedestrian Detectable Warning Field	SF	120.000	120.000	
0142	644.1810	Temporary Pedestrian Barricade	LF	500.000	500.000	
0144	646.1020	Marking Line Epoxy 4-Inch	LF	10,165.000	10,165.000	
0146	646.3020	Marking Line Epoxy 8-Inch	LF	80.000	80.000	
0148	646.5020	Marking Arrow Epoxy	EACH	21.000	21.000	
0150	646.5120	Marking Word Epoxy	EACH	6.000	6.000	
0152	646.5220	Marking Symbol Epoxy	EACH	19.000	19.000	
0154	646.6120	Marking Stop Line Epoxy 18-Inch	LF	180.000	180.000	
0156	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	725.000	725.000	
0158	646.7520	Marking Crosswalk Epoxy Block Style 24-Inch	LF	78.000	78.000	
0160	650.4000	Construction Staking Storm Sewer	EACH	24.000	24.000	
0162	650.4500	Construction Staking Subgrade	LF	2,392.000	2,392.000	
0164	650.5000	Construction Staking Base	LF	2,392.000	2,392.000	
0166	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	4,954.000	4,954.000	
0168	650.9000	Construction Staking Curb Ramps	EACH	32.000	32.000	
0170	650.9500	Construction Staking Sidewalk (project) 01. 5990-02-41	EACH	1.000	1.000	
0172	650.9911	Construction Staking Supplemental Control (project) 01. 5990-02-41	EACH	1.000	1.000	
0174	650.9920	Construction Staking Slope Stakes	LF	2,392.000	2,392.000	
0176	690.0150	Sawing Asphalt	LF	320.000	320.000	
0178	690.0250	Sawing Concrete	LF	930.000	930.000	
0180	740.0440	Incentive IRI Ride	DOL	1,808.000	1,808.000	
0182	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000	
0184	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000	
0186	SPV.0035	Special 01. Watermain Granular Backfill Special	CY	210.000		210.000
0188	SPV.0060	Special 01. Remove and Salvage Flashing Stop Sign Assembly	EACH	1.000	1.000	
0190	SPV.0060	Special 02. Install City Supplied Street Name Sign	EACH	10.000	10.000	
0192	SPV.0060	Special 03. V-Loc Post Anchor VS2	EACH	50.000	50.000	
0194	SPV.0060	Special 04. Manhole Cover Type Special Logo	EACH	11.000	11.000	
0196	SPV.0060	Special 05. Inlet Cover Type H Special Logo	EACH	8.000	8.000	

Line	Item	Item Description	Unit	Total	5990-02-41 Qty	5990-02-42 Qty
0198	SPV.0060	Special 06. Inlet Cover Type H Special Logo LP	EACH	8.000	8.000	
0200	SPV.0060	Special 07. Saddle Inlet	EACH	1.000	1.000	
0202	SPV.0060	Special 08. 8-Inch X 8-Inch D.I. Tee	EACH	4.000		4.000
0204	SPV.0060	Special 09. 8-Inch X 6-Inch D.I. Reducer	EACH	1.000		1.000
0206	SPV.0060	Special 10. 8-Inch D.I. 45 Deg Bend	EACH	4.000		4.000
0208	SPV.0060	Special 11. Gate Valve with Valve Box, 8-Inch	EACH	6.000		6.000
0210	SPV.0060	Special 12. Removing Water Valve Manhole	EACH	1.000		1.000
0212	SPV.0060	Special 13. Construction Staking Watermain	EACH	1.000		1.000
0214	SPV.0060	Special 14. Manhole Structure Chimney Repair	EACH	9.000	1.000	8.000
0216	SPV.0060	Special 15. Sanitary Structure Replacement	EACH	1.000		1.000
0218	SPV.0060	Special 16. Sanitary Structure Standard Barrel Section	EACH	1.000		1.000
0220	SPV.0060	Special 17. Manhole Cover Type Special Logo Sanitary	EACH	8.000		8.000
0222	SPV.0090	Special 01. Ductile Iron Watermain 8-Inch	LF	234.000		234.000
0224	SPV.0090	Special 02. Remove Existing Watermain	LF	240.000		240.000
0226	SPV.0090	Special 03. Concrete Curb & Gutter 30-Inch Type L Special (4-Inch Curb Head Height)	LF	110.000	110.000	

3

CLEARING & GRUBBING

CATEGORY	STATION	LOCATION	201.0120 CLEARING ID	201.0220 GRUBBING ID
0010	103+97	RT	28	28
0010	104+91	RT	22	22
0010	119+87	LT	44	44
		PROJECT TOTALS	94	94

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 REMOVING CURB & GUTTER LF
0010	102+13	-	104+23	LT	240
0010	102+13	-	113+97	RT	1,202
0010	104+59	-	107+97	LT	415
0010	108+33	-	118+77	LT	1,120
0010	114+33	-	118+64	RT	478
0010	118+99	-	125+35	RT	695
0010	119+17	-	125+33	LT	673
0010	125+69	-	126+05	LT	60
0010	125+75	-	126+05	RT	52
			PROJECT TOTAL		4,935

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	REMARKS
0010	102+31	-	102+47	RT	10	DRIVEWAY APRON
0010	103+68	-	103+83	RT	10	DRIVEWAY APRON
0010	104+56	-	104+78	RT	14	DRIVEWAY APRON
0010	105+32	-	105+36	RT	1	SURROUNDING STORM SEWER MANHOLE CASTING
0010	105+44	-	105+58	LT	14	DRIVEWAY APRON
0010	107+30	-	107+42	LT	11	DRIVEWAY APRON
0010	110+26	-	110+47	LT	13	DRIVEWAY APRON
0010	111+33	-	111+53	RT	4	DRIVEWAY APRON
0010	111+53	-	111+76	LT	13	DRIVEWAY APRON
0010	113+34	-	113+55	LT	13	DRIVEWAY APRON
0010	113+36	-	113+52	RT	6	DRIVEWAY APRON
0010	115+67	-	116+01	LT	21	DRIVEWAY APRON
0010	116+49	-	116+80	LT	15	DRIVEWAY APRON
0010	120+04	-	120+28	LT	30	DRIVEWAY APRON
0010	120+87	-	121+06	RT	7	DRIVEWAY APRON
0010	121+38	-	121+56	RT	7	DRIVEWAY APRON
0010	121+41	-	121+62	LT	23	DRIVEWAY APRON
0010	121+85	-	122+06	LT	23	DRIVEWAY APRON
0010	123+23	-	123+38	RT	7	DRIVEWAY APRON
0010	123+24	-	123+46	LT	22	DRIVEWAY APRON
0010	123+48	-	123+66	RT	10	DRIVEWAY APRON
0010	123+93	-	124+21	LT	26	DRIVEWAY APRON
			PROJECT TOTAL		300	

3

3

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	102+16	-	102+21	RT	4
0010	102+42	-	102+47	LT	3
0010	102+89	-	102+94	RT	3
0010	103+12	-	103+17	LT	3
0010	103+32	-	103+37	LT	3
0010	103+40	-	103+43	LT	2
0010	103+52	-	103+57	LT	3
0010	103+98	-	104+22	LT	19
0010	103+98	-	104+23	RT	14
0010	104+26	-	104+29	RT	2
0010	104+61	-	104+87	LT	17
0010	104+83	-	104+88	RT	3
0010	105+70	-	105+74	LT	5
0010	105+80	-	105+85	LT	3
0010	106+45	-	106+50	RT	3
0010	106+75	-	106+82	LT	4
0010	107+23	-	107+28	LT	3
0010	107+73	-	107+98	LT	25
0010	107+73	-	107+98	RT	18
0010	108+35	-	108+60	RT	14
0010	108+35	-	108+67	LT	29
0010	109+75	-	109+80	RT	3
0010	109+90	-	109+95	RT	3
0010	111+15	-	111+25	LT	6
0010	111+16	-	111+26	RT	6
0010	112+80	-	112+87	RT	5
0010	113+28	-	113+33	LT	3
0010	113+33	-	113+43	RT	5
0010	113+60	-	113+91	RT	16
0010	113+65	-	113+90	LT	14
0010	114+35	-	114+67	RT	19
0010	114+42	-	114+67	LT	18
0010	114+86	-	115+01	LT	8
0010	115+91	-	116+01	LT	5
0010	116+22	-	116+37	LT	8
0010	117+85	-	117+90	RT	3
0010	118+15	-	118+50	RT	17
0010	118+43	-	118+75	LT	34
0010	119+10	-	119+42	RT	22
0010	119+17	-	119+40	LT	25
0010	119+95	-	120+00	LT	3
0010	120+26	-	120+31	LT	3
0010	120+66	-	120+91	LT	14
0010	121+87	-	121+92	RT	3
0010	122+55	-	122+81	RT	16
0010	124+19	-	124+31	LT	6
0010	124+59	-	124+63	RT	2
0010	124+78	-	124+93	LT	8
0010	125+07	-	125+32	LT	27
0010	125+07	-	125+33	RT	18
0010	125+70	-	125+95	LT	28
0010	125+75	-	126+04	RT	29
0010		UNDISTRIBUTED			23
				PROJECT TOTAL	580

REMOVING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
0010	105+34	10' RT	1	-
0010	111+20	20' LT	-	1
0010	111+21	20' RT	-	1
0010	111+22	14' RT	1	-
0010	113+93	27' RT	-	1
0010	113+94	15' RT	1	-
0010	114+94	20' LT	-	1
0010	116+30	20' LT	-	1
0010	118+56	34' RT	-	1
0010	118+70	27' LT	-	1
0010	118+78	10' RT	1	-
0010	118+79	29' LT	1	-
0010	119+21	26' LT	-	1
0010	122+03	8.5' RT	1	-
0010	125+28	26' LT	-	1
0010	125+78	27' LT	-	1
		PROJECT TOTALS	6	10

REMOVING STORM SEWER PIPE

CATEGORY	STATION	TO	STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (SIZE) (01. 12-INCH) LF	204.0245.02 REMOVING STORM SEWER (SIZE) (02. 18-INCH) LF	204.0245.03 REMOVING STORM SEWER (SIZE) (03. 42-INCH) LF
0010	105+34	-	105+34	RT	8	-	-
0010	111+22	-	113+94	RT	272	-	-
0010	113+93	-	113+94	RT	13	-	-
0010	116+30	-	116+30	LT & RT	-	43	-
0010	118+70	-	118+79	LT	9	-	-
0010	118+79	-	119+21	LT	43	-	-
0010	124+02	-	124+08	RT	-	-	6
0010	125+28	-	125+40	LT	11	-	-
0010	125+40	-	125+78	LT	39	-	-
				PROJECT TOTALS	395	43	6

SEALING PIPES

CATEGORY	STATION	LOCATION	204.0280 SEALING PIPES EACH	REMARKS
0010	105+34	RT	1	12-INCH STORM SEWER PIPE
0010	125+37	LT	1	12-INCH STORM SEWER PIPE
		PROJECT TOTAL	2	

3

3

PROJECT 5990-02-41

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (CY) (1) CUT (CY) (2)	EBS EXCAVATION (CY) (3)	SALVAGED/UNUSABLE PAVEMENT MATERIAL (CY) (4)	AVAILABLE MATERIAL (CY) (5)	UNEXPANDED FILL (CY)	EXPANDED FILL (CY) (13) FACTOR 1.25	MASS ORDINATE +/- (CY) (14)	WASTE (CY)	208.0100 BORROW (CY)	COMMENT
DIVISION 1												
RUGER AVENUE	102+13.00/126+05.00		7,450	0	0	7,450	21	26	7,424	7,424	0	
UNDISTRIBUTED - EBS			0	1,050								
DIVISION 1 SUBTOTAL			7,450	1,050	0	7,450	21	26	7,424	7,424	0	
GRAND TOTAL			7,450	1,050	0	7,450	21	26	7,424	7,424	0	
TOTAL COMMON EXC			8,500									

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 SELECT CRUSHED MATERIAL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

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

(13) EXPANDED FILL FACTOR = 1.25

DEPENDING ON SELECTIONS: 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.

SELECT CRUSHED MATERIAL

CATEGORY	STATION	TO	STATION	LOCATION	312.0115 SELECT CRUSHED MATERIAL CY
0010	UNDISTRIBUTED - EBS				1,050
				PROJECT TOTAL	1,050

3

BASE AGGREGATE

CATEGORY	STATION	TO	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	623.0200 DUST CONTROL SURFACE TREATMENT SY	624.0100 WATER MGAL	REMARKS
0010	102+13	-	104+04	LT & RT	637	954	8.92	PAVEMENT
0010	104+04	-	104+80	LT & RT	372	557	5.21	PAVEMENT
0010	104+80	-	107+79	LT & RT	999	1,493	13.99	PAVEMENT
0010	107+79	-	108+55	LT & RT	424	634	5.94	PAVEMENT
0010	108+55	-	113+77	LT & RT	1,747	2,613	24.46	PAVEMENT
0010	113+77	-	114+53	LT & RT	333	498	4.66	PAVEMENT
0010	114+53	-	118+27	LT & RT	1,247	1,866	17.46	PAVEMENT
0010	118+27	-	119+35	LT & RT	684	1,024	9.58	PAVEMENT
0010	119+35	-	125+13	LT & RT	1,932	2,891	27.05	PAVEMENT
0010	125+13	-	126+05	LT & RT	525	786	7.35	PAVEMENT
0010	102+32	-	102+48	RT	3	10	0.04	DRIVEWAY
0010	103+68	-	103+84	RT	3	10	0.04	DRIVEWAY
0010	104+56	-	104+80	RT	5	16	0.07	DRIVEWAY
0010	105+42	-	105+59	LT	5	15	0.07	DRIVEWAY
0010	107+28	-	107+44	LT	4	14	0.06	DRIVEWAY
0010	110+24	-	110+49	LT	4	14	0.06	DRIVEWAY
0010	111+31	-	111+54	RT	1	4	0.01	DRIVEWAY
0010	111+53	-	111+78	LT	4	14	0.06	DRIVEWAY
0010	113+32	-	113+58	LT	5	15	0.07	DRIVEWAY
0010	113+35	-	113+53	RT	3	9	0.04	DRIVEWAY
0010	115+74	-	116+04	LT	8	24	0.11	DRIVEWAY
0010	116+54	-	116+80	LT	5	16	0.07	DRIVEWAY
0010	120+03	-	120+30	LT	9	30	0.13	DRIVEWAY
0010	120+86	-	121+08	RT	3	9	0.04	DRIVEWAY
0010	121+35	-	121+58	RT	3	9	0.04	DRIVEWAY
0010	121+41	-	121+62	LT	7	22	0.10	DRIVEWAY
0010	121+85	-	122+07	LT	7	23	0.10	DRIVEWAY
0010	123+23	-	123+40	RT	3	9	0.04	DRIVEWAY
0010	123+23	-	123+49	LT	9	28	0.13	DRIVEWAY
0010	123+47	-	123+68	RT	4	11	0.06	DRIVEWAY
0010	123+99	-	124+22	LT	8	25	0.11	DRIVEWAY
0010	102+16	-	102+21	RT	1	4	0.01	SIDEWALK
0010	102+42	-	102+47	LT	1	3	0.01	SIDEWALK
0010	102+89	-	102+94	RT	1	3	0.01	SIDEWALK
0010	103+12	-	103+17	LT	1	3	0.01	SIDEWALK
0010	103+32	-	103+37	LT	1	3	0.01	SIDEWALK
0010	103+40	-	103+43	LT	1	2	0.01	SIDEWALK
0010	103+52	-	103+57	LT	1	3	0.01	SIDEWALK
0010	103+98	-	104+23	LT	6	27	0.08	SIDEWALK
0010	103+98	-	104+23	RT	4	21	0.06	SIDEWALK
0010	104+26	-	104+29	RT	1	3	0.01	SIDEWALK
0010	104+61	-	104+87	LT	4	21	0.06	SIDEWALK
0010	104+83	-	104+88	RT	1	3	0.01	SIDEWALK
0010	105+70	-	105+74	LT	1	4	0.01	SIDEWALK
0010	105+80	-	105+85	LT	1	3	0.01	SIDEWALK
0010	106+45	-	106+50	RT	1	3	0.01	SIDEWALK
0010	106+75	-	106+82	LT	1	4	0.01	SIDEWALK
0010	107+23	-	107+28	LT	1	3	0.01	SIDEWALK
0010	107+73	-	107+98	LT	7	33	0.10	SIDEWALK
0010	107+73	-	107+98	RT	4	21	0.06	SIDEWALK
				SUBTOTALS	9,042	13,810	126.57	

(CONTINUED)

BASE AGGREGATE (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	623.0200 DUST CONTROL SURFACE TREATMENT SY	624.0100 WATER MGAL	REMARKS
0010	108+35	-	108+60	RT	4	21	0.06	SIDEWALK
0010	108+35	-	108+67	LT	7	36	0.10	SIDEWALK
0010	109+75	-	109+80	RT	1	3	0.01	SIDEWALK
0010	109+90	-	109+95	RT	1	3	0.01	SIDEWALK
0010	111+15	-	111+25	LT	1	6	0.01	SIDEWALK
0010	111+16	-	111+26	RT	1	6	0.01	SIDEWALK
0010	112+80	-	112+87	RT	1	5	0.01	SIDEWALK
0010	113+28	-	113+33	LT	1	3	0.01	SIDEWALK
0010	113+33	-	113+38	RT	1	3	0.01	SIDEWALK
0010	113+60	-	113+91	RT	5	25	0.07	SIDEWALK
0010	113+65	-	113+90	LT	4	21	0.06	SIDEWALK
0010	114+35	-	114+67	RT	5	24	0.07	SIDEWALK
0010	114+42	-	114+67	LT	4	21	0.06	SIDEWALK
0010	114+86	-	115+01	LT	2	8	0.03	SIDEWALK
0010	116+22	-	116+37	LT	2	8	0.03	SIDEWALK
0010	117+85	-	117+90	RT	1	3	0.01	SIDEWALK
0010	118+15	-	118+50	RT	5	23	0.07	SIDEWALK
0010	118+43	-	118+75	LT	9	42	0.13	SIDEWALK
0010	119+10	-	119+42	RT	5	25	0.07	SIDEWALK
0010	119+17	-	119+40	LT	7	33	0.10	SIDEWALK
0010	119+95	-	120+00	LT	1	3	0.01	SIDEWALK
0010	120+26	-	120+31	LT	1	3	0.01	SIDEWALK
0010	120+66	-	120+91	LT	3	14	0.04	SIDEWALK
0010	121+87	-	121+92	RT	1	3	0.01	SIDEWALK
0010	124+19	-	124+31	LT	1	7	0.01	SIDEWALK
0010	124+59	-	124+63	RT	1	2	0.01	SIDEWALK
0010	124+78	-	124+93	LT	2	8	0.03	SIDEWALK
0010	125+07	-	125+32	LT	7	35	0.10	SIDEWALK
0010	125+07	-	125+33	RT	5	24	0.07	SIDEWALK
0010	125+70	-	125+95	LT	7	35	0.10	SIDEWALK
0010	125+75	-	126+04	RT	7	32	0.10	SIDEWALK
0010	TEMPORARY PEDESTRIAN SURFACE				60	-	0.84	TEMPORARY PEDESTRIAN SURFACE
0010	UNIDSTRIBUTED				95	30	6.17	UNDISTRIBUTED
				PROJECT TOTALS	9,300	14,325	135.00	

3

3

HMA PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5225 HMA PAVEMENT 5 LT 58-28 S TON
0010	102+13	-	104+04	LT & RT	38	128	85
0010	104+04	-	104+80	LT & RT	23	79	53
0010	104+80	-	107+79	LT & RT	60	201	135
0010	107+79	-	108+55	LT & RT	27	89	59
0010	108+55	-	113+77	LT & RT	106	352	235
0010	113+77	-	114+53	LT & RT	21	71	48
0010	114+53	-	118+27	LT & RT	75	251	168
0010	118+27	-	119+35	LT & RT	44	149	100
0010	119+35	-	125+13	LT & RT	117	390	260
0010	125+13	-	126+05	LT & RT	34	115	77
				PROJECT TOTALS	545	1,825	1,220

CONCRETE CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	601.0419 CONCRETE CURB & GUTTER 30-INCH TYPE L LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	SPV.0090.03 SPECIAL (03. CONCRETE CURB & GUTTER 30-INCH TYPE L SPECIAL (4-INCH CURB HEAD HEIGHT)) LF
0010	102+13	-	104+23	LT	240	-	240	-
0010	102+13	-	113+97	RT	1,202	-	1,202	-
0010	104+59	-	107+97	LT	415	-	415	-
0010	108+33	-	118+77	LT	1,120	-	1,120	-
0010	114+33	-	118+64	RT	478	5	483	-
0010	118+99	-	125+35	RT	585	4	699	110
0010	119+17	-	125+33	LT	673	-	673	-
0010	125+69	-	126+05	LT	60	10	70	-
0010	125+75	-	126+05	RT	52	-	52	-
				PROJECT TOTALS	4,825	19	4,954	110

3

CONCRETE DRIVEWAY 6-INCH

CATEGORY	DRIVEWAY STATION	LOCATION	602.0810 CONCRETE DRIVEWAY 6-INCH SY
0010	102+40	RT	10
0010	103+75	RT	10
0010	104+67	RT	16
0010	105+50	LT	15
0010	107+36	LT	14
0010	110+36	LT	14
0010	111+42	RT	4
0010	111+65	LT	14
0010	113+44	RT	9
0010	113+45	LT	15
0010	115+88	LT	24
0010	116+67	LT	16
0010	120+16	LT	31
0010	120+97	RT	9
0010	121+46	RT	9
0010	121+52	LT	23
0010	121+95	LT	23
0010	123+31	RT	9
0010	123+36	LT	29
0010	123+57	RT	11
0010	124+11	LT	25
		PROJECT TOTAL	330

3

CONCRETE SIDEWALK

CATEGORY	STATION	TO	STATION	LOCATION	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
0010	102+16	-	102+21	RT	35	-	-	-
0010	102+42	-	102+47	LT	25	-	-	-
0010	102+89	-	102+94	RT	25	-	-	-
0010	103+12	-	103+17	LT	25	-	-	-
0010	103+32	-	103+37	LT	25	-	-	-
0010	103+40	-	103+43	LT	20	-	-	-
0010	103+52	-	103+57	LT	25	-	-	-
0010	103+98	-	104+23	LT	100	145	20	-
0010	103+98	-	104+23	RT	190	-	10	-
0010	104+26	-	104+29	RT	25	-	-	-
0010	104+61	-	104+87	LT	75	115	10	-
0010	104+83	-	104+88	RT	25	-	-	-
0010	105+70	-	105+74	LT	40	-	-	-
0010	105+80	-	105+85	LT	25	-	-	-
0010	106+45	-	106+50	RT	25	-	-	-
0010	106+75	-	106+82	LT	35	-	-	-
0010	107+23	-	107+28	LT	25	-	-	-
0010	107+73	-	107+98	LT	100	195	20	-
0010	107+73	-	107+98	RT	190	-	10	-
0010	108+35	-	108+60	RT	190	-	10	-
0010	108+35	-	108+67	LT	135	190	20	-
0010	109+75	-	109+80	RT	25	-	-	-
0010	109+90	-	109+95	RT	25	-	-	-
0010	111+15	-	111+25	LT	50	-	-	-
0010	111+16	-	111+26	RT	50	-	-	-
0010	112+80	-	112+87	RT	45	-	-	-
0010	113+28	-	113+33	LT	25	-	-	-
0010	113+33	-	113+38	RT	25	-	-	-
0010	113+60	-	113+91	RT	75	150	20	-
0010	113+65	-	113+90	LT	185	-	10	-
0010	114+35	-	114+67	RT	50	165	20	-
0010	114+42	-	114+67	LT	185	-	10	-
0010	114+86	-	115+01	LT	75	-	-	-
0010	116+22	-	116+37	LT	75	-	-	-
0010	117+85	-	117+90	RT	25	-	-	-
0010	118+15	-	118+50	RT	50	155	-	29.60
0010	118+43	-	118+75	LT	155	220	20	-
0010	119+10	-	119+42	RT	25	200	20	-
0010	119+17	-	119+40	LT	100	195	20	-
0010	119+95	-	120+00	LT	25	-	-	-
0010	120+26	-	120+31	LT	25	-	-	-
0010	120+66	-	120+91	LT	130	-	-	-
0010	121+87	-	121+92	RT	25	-	-	-
0010	124+19	-	124+31	LT	60	-	-	-
0010	124+59	-	124+63	RT	20	-	-	-
0010	124+78	-	124+93	LT	75	-	-	-
0010	125+07	-	125+32	LT	100	230	20	-
0010	125+07	-	125+33	RT	50	160	20	-
0010	125+70	-	125+95	LT	100	200	20	-
0010	125+75	-	126+04	RT	105	185	20	-
0010			UNDISTRIBUTED		180	45	-	-
						-	-	-
				PROJECT TOTALS	3,500	2,550	300	29.60

3

3

STORM SEWER PIPE

CATEGORY	STRUCTURE NO.	TO	STRUCTURE NO.	608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF
0010	1.1	-	2.1	237	-
0010	2.1	-	2.2	351	-
0010	2.1	-	2.1A	33	-
0010	2.1	-	2.1B	7	-
0010	2.2	-	3.1	272	-
0010	3.1	-	3.1A	21	-
0010	3.2	-	3.2A	-	43
0010	4.1	-	4.1A	11	-
0010	4.1	-	4.1B	39	-
0010	E5.1	-	5.1A	60	-
0010	5.1A	-	5.1B	43	-
0010	5.2	-	5.2A	6	-
0010	5.2	-	5.2B	30	-
0010	5.3	-	5.3A	11	-
			PROJECT TOTALS	1,121	43

ADJUSTING STORM SEWER STRUCTURES

CATEGORY	STATION	LOCATION	* 611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
0010	115+17	19.5' RT	-	1
0010	122+02	19.5' RT	-	1
0010	122+11	19.5' LT	-	1
0010	125+39	9.3' RT	1	-
0010	125+74	43.2' RT	-	1
		PROJECT TOTALS	1	4

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

STORM SEWER STRUCTURES

CATEGORY	STRUCTURE NO.	STATION	LOCATION	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.04 SPECIAL (04. MANHOLE COVER TYPE SPECIAL LOGO) EACH	SPV.0060.05 SPECIAL (05. INLET COVER TYPE H SPECIAL LOGO) EACH	SPV.0060.06 SPECIAL (06. INLET COVER TYPE H SPECIAL LOGO LP) EACH	SPV.0060.07 SPECIAL (07. SADDLE INLET) EACH	* SPV.0060.14 SPECIAL (14. MANHOLE STRUCTURE CHIMNEY REPAIR) EACH	RIM** ELEVATION	INVERT*** ELEVATION	DEPTH**** FT
0010	1.1	105+34	9.6' RT	1	-	-	1	1	-	-	-	-	860.10	854.78	4.25
0010	2.1	107+71	13.0' RT	1	-	-	1	1	-	-	-	-	859.15	853.34	4.74
0010	2.1A	107+71	19.5' LT	-	-	1	1	-	1	-	-	-	859.05	855.00	3.22
0010	2.1B	107+71	19.5' RT	-	-	1	1	-	1	-	-	-	859.05	854.87	3.35
0010	2.2	111+22	14.4' RT	1	-	-	1	1	-	-	-	-	855.70	851.18	3.45
0010	2.2A	111+20	19.5' LT	-	-	1	1	-	1	-	-	-	855.71	851.50	3.38
0010	2.2B	111+21	19.5' RT	-	-	1	1	-	1	-	-	-	855.66	851.28	3.55
0010	3.1	113+94	14.8' RT	1	-	-	1	1	-	-	-	-	844.65	840.35	3.23
0010	3.1A	113+97	35.3' RT	-	-	1	1	-	-	1	-	-	844.74	840.45	3.46
0010	3.2	116+30	23.5' LT	1	-	-	1	1	-	-	-	-	845.33	835.41	8.89
0010	3.2A	116+30	19.5' RT	-	-	-	-	-	1	-	-	-	844.80	-	-
0010	3.3A	114+93	19.5' LT	-	-	-	1	-	-	1	1	-	842.83	835.00	6.83
0010	4.1	118+79	29.4' LT	-	1	-	1	1	-	-	-	-	855.49	846.72	7.84
0010	4.1A	118+69	24.3' LT	-	-	1	1	-	1	-	-	-	855.14	851.36	2.95
0010	4.1B	119+15	43.2' LT	-	-	1	1	-	-	1	-	-	855.65	851.50	3.32
0010	4.2	118+78	10.3' RT	-	1	-	1	1	-	-	-	-	855.43	842.87	11.69
0010	4.2A	118+56	33.7' RT	-	-	1	1	-	1	-	-	-	854.29	849.74	3.72
0010	4.3	122+03	8.5' RT	-	1	-	1	1	-	-	-	-	856.93	844.84	11.22
0010	-	119+16	26.3' RT	-	-	-	-	-	1	-	-	-	855.64	-	-
0010	E5.1	125+40	25.1' LT	-	-	-	-	1	-	-	-	1	857.82	-	-
0010	5.1A	126+00	22.5' LT	-	-	1	1	-	-	1	-	-	857.65	853.69	3.13
0010	5.1B	126+00	20.5' RT	-	-	1	1	-	-	1	-	-	857.69	853.91	2.95
0010	5.2	125+39	46.0' LT	-	1	-	1	1	-	-	-	-	857.72	851.10	5.76
0010	5.2A	125+33	45.8' LT	-	-	1	1	-	-	1	-	-	857.67	853.63	3.21
0010	5.2B	125+69	41.2' LT	-	-	1	1	-	-	1	-	-	857.59	853.75	3.01
0010	5.3	124+05	9.0' RT	-	1	-	1	1	-	-	-	-	857.55	845.45	11.23
0010	5.3A	124+05	19.5' RT	-	-	1	1	-	-	1	-	-	857.25	853.00	3.42
			PROJECT TOTALS	5	5	13	24	11	8	8	1	1			

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

REMARKS:

STATIONS AND OFFSETS ARE TO CENTER OF STRUCTURE

**RIM ELEV IS AT THE INLET COVER FLANGE LOCATION

***FOR STRUCTURES WITH SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF SUMP, FOR STRUCTURES WITHOUT SUMPS, THE INVERT ELEVATION IS THE ELEVATION OF THE LOWEST PIPE FLOW LINE

****DEPTH = RIM ELEV - TOP OF STRUCTURE BASE ELEV - COVER HEIGHT - 6-INCH ADJUSTMENT RING HEIGHT

3

FINISHING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	102+13	-	104+23	LT	182	0.12	10	182
0010	102+13	-	113+96	RT	677	0.45	38	677
0010	104+60	-	107+98	LT	389	0.25	22	389
0010	108+35	-	118+75	LT	667	0.44	38	667
0010	114+34	-	118+63	RT	201	0.14	11	201
0010	119+00	-	125+34	RT	328	0.22	19	328
0010	119+16	-	125+32	LT	654	0.43	37	654
0010	125+70	-	126+05	LT	54	0.03	3	54
0010	125+75	-	126+05	RT	37	0.02	2	37
0010		UNDISTRIBUTED			311	0.20	20	311
				PROJECT TOTALS	3,500	2.30	200	3,500

MOBILIZATIONS EROSION CONTROL

CATEGORY	DESCRIPTION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	PROJECT 5990-02-41	12	6
	PROJECT TOTALS	12	6

TRACKING PADS

CATEGORY	LOCATION	628.7560 TRACKING PADS EACH
0010	PROJECT 5990-02-41	2
	PROJECT TOTAL	2

INLET PROTECTION TYPE D

CATEGORY	STATION	LOCATION	628.7020 INLET PROTECTION TYPE D EACH	REMARKS
0010	101+16	LT	1	EXISTING INLET
0010	101+65	LT	1	EXISTING INLET
0010	S. RANDALL AVENUE		2	EXISTING INLET
0010	S. MARTIN ROAD		2	EXISTING INLET
0010	107+71	LT	1	PROPOSED INLET
0010	107+71	RT	1	PROPOSED INLET
0010	CAMPUS LANE		2	EXISTING INLET
0010	111+20	LT	1	EXISTING INLET
0010	111+20	LT	1	PROPOSED INLET
0010	111+21	RT	1	EXISTING INLET
0010	111+21	RT	1	PROPOSED INLET
0010	113+93	RT	1	EXISTING INLET
0010	113+93	RT	1	PROPOSED INLET
0010	114+93	LT	1	EXISTING INLET
0010	114+93	LT	1	PROPOSED INLET
0010	115+16	RT	1	EXISTING INLET
0010	116+30	RT	1	EXISTING INLET
0010	118+56	RT	1	EXISTING INLET
0010	118+56	RT	1	PROPOSED INLET
0010	118+69	LT	1	PROPOSED INLET
0010	118+70	LT	1	EXISTING INLET
0010	119+15	LT	1	PROPOSED INLET
0010	119+16	RT	1	EXISTING INLET
0010	119+20	LT	1	EXISTING INLET
0010	122+02	RT	1	EXISTING INLET
0010	122+11	LT	1	EXISTING INLET
0010	124+05	RT	1	PROPOSED INLET
0010	125+28	LT	1	EXISTING INLET
0010	125+33	LT	1	PROPOSED INLET
0010	125+69	LT	1	PROPOSED INLET
0010	125+74	RT	1	EXISTING INLET
0010	125+78	LT	1	EXISTING INLET
0010	126+00	LT	1	PROPOSED INLET
0010	126+00	RT	1	PROPOSED INLET
0010	S. LEXINGTON DRIVE		2	EXISTING INLET
	PROJECT TOTAL		39	

3

PERMANENT SIGNING

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN	X	IN	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	SPV.0060.02 SPECIAL (02. INSTALL CITY SUPPLIED STREET NAME SIGN) EACH	SPV.0060.03 SPECIAL (03. V-LOC POST ANCHOR VS2) EACH	REMARKS
0010	1-1	101+90	RT	R3-17	30	X	24	1	5.00	-	-	-	-	-	1	
0010	1-2	102+28	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	1-3	102+72	RT	S1-1	36	X	36	1	-	-	6.75	-	-	-	1	
0010	1-4	102+72	RT	S16-9P	30	X	18	-	-	-	3.75	-	-	-	-	ON POST WITH SIGN 1-3
0010	1-5	102+72	RT	R2-6P	24	X	18	-	3.00	-	-	-	-	-	-	ON POST WITH SIGN 1-3
0010	1-6	102+80	LT	EXISTING	-	X	-	1	-	-	-	1	-	-	1	FAIR GROUNDS RIGHT ARROW, FROM UTILITY POLE
0010	1-7	103+28	LT	R3-8LF	36	X	30	1	7.50	-	-	-	-	-	1	
0010	1-8	103+28	RT	R7-51R	18	X	24	1	3.00	-	-	-	-	-	1	
0010	1-9	103+61	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	1-10	103+95	LT	R2-1	24	X	30	1	5.00	-	-	-	-	-	1	25 MPH
0010	1-11	103+95	LT	S5-2	24	X	30	-	5.00	-	-	-	-	-	-	ON POST WITH SIGN 1-10
0010	1-12	104+20	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 1-14
0010	1-13	104+20	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 1-14
0010	1-14	104+20	LT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	1-15	104+74	LT	R9-3A	24	X	24	1	4.00	-	-	-	-	-	1	
0010	1-16	104+74	LT	R9-3BR	18	X	12	-	1.50	-	-	-	-	-	-	ON POST WITH SIGN 1-15
0010	1-17	104+83	RT	R7-52R	18	X	24	1	3.00	-	-	-	-	-	1	
0010	1-18	104+83	LT	W3-1	36	X	36	1	-	-	9.00	-	-	-	1	
0010	1-19	105+07	RT	S4-51	24	X	48	1	-	6.63	1.37	-	-	-	1	
0010	1-20	105+38	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	1-21	106+25	LT	R3-17	30	X	24	1	5.00	-	-	-	-	-	1	
0010	1-22	106+25	LT	R3-17BP	30	X	12	-	2.50	-	-	-	-	-	-	ON POST WITH SIGN 1-21
0010	1-23	103+87	RT	R7-52L	18	X	24	1	3.00	-	-	-	-	-	1	
0010	2-1	107+18	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	2-2	107+63	RT	R7-1L	18	X	24	1	3.00	-	-	-	-	-	1	
0010	2-3	107+75	LT	S1-1	36	X	36	1	-	-	6.75	-	-	-	1	
0010	2-4	107+75	LT	S16-7L	30	X	18	-	-	-	3.75	-	-	-	-	ON POST WITH SIGN 2-3
0010	2-5	107+75	LT	S1-1	36	X	36	-	-	-	6.75	-	-	-	-	ON POST WITH SIGN 2-3
0010	2-6	107+75	LT	S16-7R	30	X	18	-	-	-	3.75	-	-	-	-	ON POST WITH SIGN 2-3
0010	2-7	107+95	RT	S1-1	36	X	36	1	-	-	6.75	-	-	-	1	
0010	2-8	107+95	RT	S16-7L	30	X	18	-	-	-	3.75	-	-	-	-	ON POST WITH SIGN 2-7
0010	2-9	107+95	RT	S1-1	36	X	36	-	-	-	6.75	-	-	-	-	ON POST WITH SIGN 2-7
0010	2-10	107+95	RT	S16-7R	30	X	18	-	-	-	3.75	-	-	-	-	ON POST WITH SIGN 2-7
0010	2-11	107+95	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 2-13
0010	2-12	107+95	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 2-13
0010	2-13	107+95	LT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	2-14	108+70	RT	R7-1R	18	X	24	1	3.00	-	-	-	-	-	1	
0010	2-15	108+77	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	2-16	110+55	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	2-17	111+05	LT	S4-51	24	X	48	1	-	6.63	1.37	-	-	-	1	
0010	2-18	111+05	RT	R2-1	24	X	30	1	5.00	-	-	-	-	-	1	25 MPH
0010	2-19	111+05	RT	S5-2	24	X	30	-	5.00	-	-	-	-	-	-	ON POST WITH SIGN 2-18
0010	2-20	112+00	LT	S1-1	36	X	36	1	-	-	6.75	-	-	-	1	
0010	2-21	112+00	LT	S16-9P	30	X	18	-	-	-	3.75	-	-	-	-	ON POST WITH SIGN 2-20
0010	2-22	112+00	LT	R2-6P	24	X	18	-	3.00	-	-	-	-	-	-	ON POST WITH SIGN 2-20
0010	2-23	112+75	LT	R3-17	30	X	24	1	5.00	-	-	-	-	-	1	
0010	2-24	112+90	RT	R3-17	30	X	24	1	5.00	-	-	-	-	-	1	
0010	3-1	113+25	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	3-2	113+25	RT	R7-51L	18	X	24	1	3.00	-	-	-	-	-	1	
0010	3-3	114+38	RT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 3-5
				SHEET SUBTOTALS				31	110.86	13.26	74.74	1	0	5	31	

(CONTINUED ON NEXT SHEET)

PERMANENT SIGNING (CONTINUED)

CATEGORY	SIGN NO.	STATION	LOCATION	SIGN CODE	SIZE IN	X	IN	634.0812 POSTS TUBULAR STEEL 2X2-INCH X 12-FT EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2220 SIGNS TYPE II REFLECTIVE SH SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	SPV.0060.02 SPECIAL (02. INSTALL CITY SUPPLIED STREET NAME SIGN) EACH	SPV.0060.03 SPECIAL (03. V-LOC POST ANCHOR VS2) EACH	REMARKS
0010	3-4	114+38	RT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 3-5
0010	3-5	114+38	RT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	3-6	114+82	RT	R7-51R	18	X	24	1	3.00	-	-	-	-	-	1	
0010	3-7	115+50	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	3-8	117+90	RT	R7-51L	18	X	24	1	3.00	-	-	-	-	-	1	
0010	4-1	118+00	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	4-2	118+72	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 4-4
0010	4-3	118+72	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 4-4
0010	4-4	118+72	LT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	4-5	119+11	RT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	4-6	119+40	LT	EXISTING	-	X	-	-	-	-	-	1	1	-	-	BUS STOP
0010	4-7	119+80	RT	R7-51R	18	X	24	1	3.00	-	-	-	-	-	1	
0010	4-8	119+95	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	4-9	122+25	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	4-10	123+00	RT	W3-1	36	X	36	1	-	-	9.00	-	-	-	1	
0010	5-1	124+00	RT	R3-17	30	X	24	1	5.00	-	-	-	-	-	1	
0010	5-2	124+00	RT	R3-17BP	30	X	12	-	2.50	-	-	-	-	-	-	ON POST WITH SIGN 5-1
0010	5-3	124+50	RT	R7-51L	18	X	24	1	3.00	-	-	-	-	-	1	
0010	5-4	124+50	LT	R7-1D	18	X	24	1	3.00	-	-	-	-	-	1	
0010	5-5	124+95	LT	R3-17	30	X	24	1	5.00	-	-	-	-	-	1	
0010	5-6	125+13	RT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	5-7	125+13	RT	R1-3P	18	X	6	-	0.75	-	-	-	-	-	-	ON POST WITH SIGN 5-6
0010	5-8	125+30	LT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	5-9	125+30	LT	R1-3P	18	X	6	-	0.75	-	-	-	-	-	-	ON POST WITH SIGN 5-8
0010	5-10	125+30	RT	EXISTING	-	X	-	-	-	-	-	1	1	-	-	NO PARKING ON SCHOOL DAYS
0010	5-11	125+78	RT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	5-12	125+78	RT	R1-3P	18	X	6	-	0.75	-	-	-	-	-	-	ON POST WITH SIGN 5-11
0010	5-13	125+90	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 5-15
0010	5-14	125+90	LT	D3-1	-	X	-	-	-	-	-	-	-	1	-	ON POST WITH SIGN 5-15
0010	5-15	125+90	LT	R1-1	30	X	30	1	5.18	-	-	-	-	-	1	
0010	5-16	125+90	LT	R1-3P	18	X	6	-	0.75	-	-	-	-	-	-	ON POST WITH SIGN 5-15
				PROJECT TOTALS				50	189.62	13.26	83.74	3	2	10	50	

3

REMOVING SIGNS

CATEGORY	SIGN NO.	STATION	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SPV.0060.01 SPECIAL (01. REMOVE AND SALVAGE FLASHING STOP SIGN ASSEMBLY) EACH	REMARKS
0010	E1-1	102+66	RT	1	1	-	NO PARKING HERE TO CORNER
0010	E1-2	102+69	LT	1	-	-	NO PARKING HERE TO CORNER, ON UTILITY POLE
0010	E1-3	103+06	RT	1	1	-	SCHOOL SPEED LIMIT
0010	E1-4	103+99	LT	1	-	-	LANE DESIGNATION, ON UTILITY POLE
0010	E1-5	104+21	LT	1	1	-	STOP, STREET NAME (2)
0010	E1-6	106+13	LT	1	1	-	STOP AHEAD
0010	E2-1	107+96	LT	1	1	-	STOP, STREET NAME (2)
0010	E2-2	110+84	LT	1	1	-	SCHOOL SPEED LIMIT
0010	E3-1	114+04	LT	1	1	-	SCHOOL ZONE
0010	E3-2	114+36	RT	1	1	-	STOP, STREET NAME (2)
0010	E4-1	118+72	LT	1	1	-	STOP, STREET NAME (2)
0010	E4-2	119+08	RT	1	1	-	STOP
0010	E4-3	120+00	LT	1	1	-	NO PARKING HERE TO CORNER
0010	E4-4	120+10	RT	1	1	-	NO PARKING HERE CORNER
0010	E4-5	122+97	RT	1	1	-	SCHOOL ZONE
0010	E5-1	124+34	LT	1	1	-	NO PARKING HERE TO CORNER
0010	E5-2	124+34	RT	1	1	-	NO PARKING HERE TO CORNER
0010	E5-3	125+14	RT	1	-	1	STOP, ALL WAY
0010	E5-4	125+30	LT	1	1	-	STOP, ALL WAY
0010	E5-5	125+78	RT	1	1	-	STOP, ALL WAY
0010	E5-6	125+89	LT	1	-	-	STREET NAME (2), ON UTILITY POLE
0010	E5-7	125+97	LT	1	1	-	STOP, ALL WAY
			PROJECT TOTALS	22	18	1	

NOTE: SIGNS AT THE SAME LOCATION ARE COUNTED AS ONE SIGN REMOVAL

3

TRAFFIC CONTROL AND DETOUR

CATEGORY	DESCRIPTION	DRUMS NO. DEVICES	643.0300 TRAFFIC CONTROL DRUMS DAY	BARRICADES TYPE III NO. DEVICES	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	WARNING LIGHTS TYPE A NO. DEVICES	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	WARNING LIGHTS TYPE C NO. DEVICES	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	SIGNS NO. DEVICES	* 643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	SIGNS FIXED MESSAGE NO. DEVICES	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	SIGNS PCMS NO. DEVICES	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY	643.5000 TRAFFIC CONTROL EACH	DURATION
0010	ADVANCE WARNING	-	-	21	1,974	42	3,948	-	-	27	2,538	-	-	-	2	14	-	94 DAYS
0010	DETOUR	-	-	2	188	4	376	-	-	48	4,512	-	26	78	-	-	-	94 DAYS
0010	S. RANDALL AVENUE	7	658	1	94	2	188	2	188	5	470	1	-	-	-	-	-	94 DAYS
0010	PROJECT 5990-02-41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
0010	UNDISTRIBUTED	-	342	-	444	-	888	-	42	-	1,480	1	-	12	-	6	-	
					-													
	PROJECT TOTALS		1,000		2,700		5,400		230		9,000	2		90		20	1	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

PEDESTRIAN ACCESS

CATEGORY	LOCATION	SIGNS NO. DEVICES	* 643.0900 TRAFFIC CONTROL SIGNS DAY	643.3180 TEMPORARY MARKING LINE REMOVABLE TAPE 6-INCH LF	644.1410 TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1430 TEMPORARY PEDESTRIAN SURFACE PLATE SF	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING SF	TEMPORARY PEDESTRIAN CURB RAMP NO. DEVICES	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1605 TEMPORARY PEDESTRIAN DETECTABLE WARNING FIELD SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	DURATION
0010	PROJECT 5990-02-41	24	2,256	265	-	-	500	10	940	100	378	94 DAYS
0010	UNDISTRIBUTED	-	444	85	1,000	1,000	1,000	-	210	20	122	
	PROJECT TOTALS		2,700	350	1,000	1,000	1,500		1,150	120	500	

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

3

PAVEMENT MARKINGS

CATEGORY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY (TYPE 1, WHITE) EACH	646.5020 MARKING ARROW EPOXY (TYPE 2, WHITE) EACH	646.5020 MARKING ARROW EPOXY (BIKE LANE, WHITE) EACH	646.5120 MARKING WORD EPOXY ('BIKE', WHITE) EACH	646.5120 MARKING WORD EPOXY ('LANE', WHITE) EACH	646.5120 MARKING WORD EPOXY ('ENDS', WHITE) EACH	646.5220 MARKING SYMBOL EPOXY (BIKE LANE, WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.7520 MARKING CROSSWALK EPOXY BLOCK STYLE 24-INCH (WHITE) LF
0010	102+13	-	126+05	LT & RT	4,493	5,672	80	1	1	19	2	2	2	19	180	725	78
				PROJECT TOTALS	**10,165**		**80**		**21**			**6**		**19**	**180**	**725**	**78**

CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9500.01 CONSTRUCTION STAKING SIDEWALK (PROJECT) (01. 5990-02-41) EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 5990-02-41) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	102+13	-	126+05	LT & RT	2,392	2,392	32	-	-	2,392
0010	PROJECT 5990-02-41				-	-	-	1	1	-
				PROJECT TOTALS	**2,392**	**2,392**	**32**	**1**	**1**	**2,392**

3

3

SAWING

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	102+13	-	102+13	LT	-	2.5	CURB & GUTTER
0010	102+13	-	102+13	LT & RT	36	-	ROADWAY
0010	102+13	-	102+13	RT	-	2.5	CURB & GUTTER
0010	102+16	-	102+21	RT	-	5	SIDEWALK
0010	102+33	-	102+45	RT	-	12	DRIVEWAY
0010	102+42	-	102+42	LT	-	5	SIDEWALK
0010	102+47	-	102+47	LT	-	5	SIDEWALK
0010	102+89	-	102+89	RT	-	5	SIDEWALK
0010	102+94	-	102+94	RT	-	5	SIDEWALK
0010	103+12	-	103+12	LT	-	5	SIDEWALK
0010	103+17	-	103+17	LT	-	5	SIDEWALK
0010	103+32	-	103+32	LT	-	5	SIDEWALK
0010	103+37	-	103+37	LT	-	5	SIDEWALK
0010	103+40	-	103+43	LT	-	3	SIDEWALK
0010	103+52	-	103+52	LT	-	5	SIDEWALK
0010	103+57	-	103+57	LT	-	5	SIDEWALK
0010	103+69	-	103+81	RT	-	12	DRIVEWAY
0010	103+98	-	103+98	RT	-	5	SIDEWALK
0010	103+98	-	103+98	LT	-	5	SIDEWALK
0010	104+08	-	104+13	LT	-	5	SIDEWALK
0010	104+23	-	104+23	RT	-	5	SIDEWALK
0010	104+23	-	104+25	LT	-	2.5	CURB & GUTTER
0010	104+25	-	104+57	LT	32	-	ROADWAY
0010	104+26	-	104+30	RT	-	4	SIDEWALK
0010	104+57	-	104+59	LT	-	2.5	CURB & GUTTER
0010	104+58	-	104+76	RT	-	18	DRIVEWAY
0010	104+71	-	104+76	LT	-	5	SIDEWALK
0010	104+83	-	104+83	RT	-	5	SIDEWALK
0010	104+87	-	104+87	LT	-	5	SIDEWALK
0010	104+88	-	104+88	RT	-	5	SIDEWALK
0010	105+45	-	105+56	LT	-	11	DRIVEWAY
0010	105+70	-	105+74	LT	-	4	SIDEWALK
0010	105+80	-	105+80	LT	-	5	SIDEWALK
0010	105+85	-	105+85	LT	-	5	SIDEWALK
0010	106+45	-	106+45	RT	-	5	SIDEWALK
0010	106+50	-	106+50	RT	-	5	SIDEWALK
0010	106+75	-	106+75	LT	-	5	SIDEWALK
0010	106+82	-	106+82	LT	-	5	SIDEWALK
0010	107+23	-	107+23	LT	-	5	SIDEWALK
0010	107+28	-	107+28	LT	-	5	SIDEWALK
0010	107+31	-	107+41	LT	-	10	DRIVEWAY
0010	107+73	-	107+73	RT	-	5	SIDEWALK
0010	107+73	-	107+73	LT	-	5	SIDEWALK
0010	107+83	-	107+88	LT	-	5	SIDEWALK
0010	107+97	-	107+99	LT	-	2.5	CURB & GUTTER
0010	107+98	-	107+98	RT	-	5	SIDEWALK
0010	107+99	-	108+31	LT	32	-	ROADWAY
0010	108+31	-	108+33	LT	-	2.5	CURB & GUTTER
0010	108+35	-	108+35	RT	-	5	SIDEWALK
0010	108+45	-	108+50	LT	-	5	SIDEWALK
				SUBTOTALS (CONTINUED)	100	254	

SAWING (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	108+60	-	108+60	RT	-	5	SIDEWALK
0010	108+67	-	108+67	LT	-	5	SIDEWALK
0010	109+75	-	109+75	RT	-	5	SIDEWALK
0010	109+80	-	109+80	RT	-	5	SIDEWALK
0010	109+90	-	109+90	RT	-	5	SIDEWALK
0010	109+95	-	109+95	RT	-	5	SIDEWALK
0010	110+27	-	110+46	LT	-	19	DRIVEWAY
0010	111+15	-	111+15	LT	-	5	SIDEWALK
0010	111+16	-	111+16	RT	-	5	SIDEWALK
0010	111+25	-	111+25	LT	-	5	SIDEWALK
0010	111+26	-	111+26	RT	-	5	SIDEWALK
0010	111+34	-	111+52	RT	-	18	DRIVEWAY
0010	111+56	-	111+75	LT	-	19	DRIVEWAY
0010	112+80	-	112+80	RT	-	5	SIDEWALK
0010	112+87	-	112+87	RT	-	5	SIDEWALK
0010	113+28	-	113+28	LT	-	5	SIDEWALK
0010	113+33	-	113+33	LT	-	5	SIDEWALK
0010	113+33	-	113+33	RT	-	5	SIDEWALK
0010	113+35	-	113+55	LT	-	20	DRIVEWAY
0010	113+38	-	113+50	RT	-	12	DRIVEWAY
0010	113+43	-	113+43	RT	-	5	DRIVEWAY
0010	113+60	-	113+60	RT	-	5	SIDEWALK
0010	113+65	-	113+65	LT	-	5	SIDEWALK
0010	113+90	-	113+90	LT	-	5	SIDEWALK
0010	113+97	-	113+99	RT	-	2.5	CURB & GUTTER
0010	113+99	-	114+31	RT	32	-	ROADWAY
0010	114+31	-	114+33	RT	-	2.5	CURB & GUTTER
0010	114+42	-	114+42	LT	-	5	SIDEWALK
0010	114+67	-	114+67	LT	-	5	SIDEWALK
0010	114+67	-	114+67	RT	-	5	SIDEWALK
0010	114+86	-	114+86	LT	-	5	SIDEWALK
0010	115+01	-	115+01	LT	-	5	SIDEWALK
0010	115+71	-	116+01	LT	-	29	DRIVEWAY
0010	115+91	-	115+91	LT	-	5	SIDEWALK
0010	116+01	-	113+01	LT	-	5	SIDEWALK
0010	116+22	-	116+22	LT	-	5	SIDEWALK
0010	116+37	-	116+37	LT	-	5	SIDEWALK
0010	116+57	-	116+77	LT	-	20	DRIVEWAY
0010	117+85	-	117+85	RT	-	5	SIDEWALK
0010	117+90	-	117+90	RT	-	5	SIDEWALK
0010	118+15	-	118+15	RT	-	5	SIDEWALK
0010	118+43	-	118+43	LT	-	7	SIDEWALK
0010	118+63	-	118+68	LT	-	5	SIDEWALK
0010	118+63	-	118+65	RT	-	2.5	CURB & GUTTER
0010	118+65	-	118+97	RT	32	-	ROADWAY
0010	118+77	-	118+79	LT	-	2.5	CURB & GUTTER
0010	118+79	-	119+15	LT	36	-	ROADWAY
0010	118+97	-	118+99	RT	-	2.5	CURB & GUTTER
0010	119+15	-	119+17	LT	-	2.5	CURB & GUTTER
0010	119+25	-	119+30	LT	-	5	SIDEWALK
				SUBTOTALS (CONTINUED)	100	324	

SAWING (CONTINUED)

CATEGORY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
0010	119+40	-	119+40	LT	-	5	SIDEWALK
0010	119+42	-	119+42	RT	-	5	SIDEWALK
0010	119+95	-	119+95	LT	-	5	SIDEWALK
0010	120+00	-	120+00	LT	-	5	SIDEWALK
0010	120+05	-	120+26	LT	-	21	DRIVEWAY
0010	120+26	-	120+26	LT	-	5	SIDEWALK
0010	120+31	-	120+31	LT	-	5	SIDEWALK
0010	120+66	-	120+66	LT	-	5	SIDEWALK
0010	120+89	-	121+05	RT	-	16	DRIVEWAY
0010	120+91	-	120+91	LT	-	5	SIDEWALK
0010	121+38	-	121+54	RT	-	16	DRIVEWAY
0010	121+44	-	121+59	LT	-	15	DRIVEWAY
0010	121+87	-	122+03	LT	-	16	DRIVEWAY
0010	121+87	-	121+87	RT	-	5	SIDEWALK
0010	121+92	-	121+92	RT	-	5	SIDEWALK
0010	122+55	-	122+81	RT	-	26	SIDEWALK
0010	123+26	-	123+46	LT	-	20	DRIVEWAY
0010	123+26	-	123+37	RT	-	11	DRIVEWAY
0010	123+50	-	123+65	RT	-	15	DRIVEWAY
0010	124+02	-	124+19	LT	-	17	DRIVEWAY
0010	124+19	-	124+19	LT	-	5	SIDEWALK
0010	124+31	-	124+31	LT	-	5	SIDEWALK
0010	124+59	-	124+63	RT	-	4	SIDEWALK
0010	124+78	-	124+78	LT	-	5	SIDEWALK
0010	124+93	-	124+93	LT	-	5	SIDEWALK
0010	125+07	-	125+07	RT	-	5	SIDEWALK
0010	125+07	-	125+07	LT	-	5	SIDEWALK
0010	125+17	-	125+22	LT	-	5	SIDEWALK
0010	125+33	-	125+35	LT	-	2.5	CURB & GUTTER
0010	125+35	-	125+37	RT	-	2.5	CURB & GUTTER
0010	125+35	-	125+67	LT	32	-	ROADWAY
0010	125+37	-	125+73	RT	36	-	ROADWAY
0010	125+67	-	125+69	LT	-	2.5	CURB & GUTTER
0010	125+73	-	125+75	RT	-	2.5	CURB & GUTTER
0010	125+80	-	125+85	LT	-	5	SIDEWALK
0010	125+89	-	125+94	RT	-	5	SIDEWALK
0010	125+95	-	125+95	LT	-	5	SIDEWALK
0010	126+04	-	126+04	RT	-	5	SIDEWALK
0010	126+05	-	126+05	LT	-	2.5	CURB & GUTTER
0010	126+05	-	126+05	LT & RT	40	-	ROADWAY
0010	126+05	-	126+05	RT	-	2.5	CURB & GUTTER
0010			UNDISTRIBUTED		12	55	
				PROJECT TOTALS	320	930	

3

3

ADJUSTING WATER MANHOLE COVERS

CATEGORY	STATION	LOCATION	* (611.8110) ADJUSTING MANHOLE COVERS EACH
0010	104+54.53	17.76' LT	1
0010	107+76.54	13.67' LT	1
0010	119+06.07	16.19' LT	1
0010	119+22.44	14.29' LT	1
	PROJECT 5990-02-42 TOTAL		4

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

INSULATION BOARD POLYSTYRENE 2-INCH

CATEGORY	STATION	LOCATION	(612.0902.S) INSULATION BOARD POLYSTYRENE 01. 2-INCH SY
0010	107+71.00	13.69' LT	3.56
0010	114+23.81	15.80' RT	3.56
0010	116+30.00	13.23' LT	3.56
0010	119+07.33	40.19' LT	3.56
0010	125+61.74	42.31' LT	3.56
0010	125+62.59	24.09' LT	3.56
0010	125+60.43	34.43' RT	3.56
0010	126+00.00	14.15' LT	3.56
	PROJECT 5990-02-42 TOTAL		28.48

REMOVING WATER VALVE MANHOLE

CATEGORY	STATION	LOCATION	(SPV.0060.12) REMOVING WATER VALVE MANHOLE EACH
0010	119+02.79	30.58' RT	1
	PROJECT 5990-02-42 TOTAL		1

REMOVE EXISTING WATERMAIN

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0090.02) REMOVE EXISTING WATERMAIN LF
0010	114+22.97	12.27' LT	114+34.20	12.30' LT	11
0010	125+63.08	13.78' LT	125+98.76	14.50' LT	37
0010	CL10+13.09	13.16' RT	CL10+45.41	8.16' RT	33
0010	HC11+00.00	12.98' RT	114+26.72	12.26' RT	57
0010	LD10+92.28	11.93' RT	LD11+93.07	10.56' RT	102
			PROJECT 5990-02-42 TOTAL		240

CONSTRUCTION STAKING WATERMAIN

CATEGORY	STATION	LOCATION	(SPV.0060.13) CONSTRUCTION STAKING WATERMAIN EACH
0010	PROEJCT 5990-02-42		1
	PROJECT 5990-02-42 TOTAL		1

3

3

GATE VALVE WITH VALVE BOX, 8-INCH

CATEGORY	STATION	LOCATION	(SPV.0060.11) GATE VALVE WITH VALVE BOX, 8-INCH EACH
0010	114+33.37	12.29' LT	1
0010	119+02.79	30.58' RT	1
0010	125+88.54	11.01' LT	1
0010	CL10+37.99	7.88' RT	1
0010	HC11+11.67	8.73' RT	1
0010	LD11+75.29	10.67' RT	1
	PROJECT 5990-02-42 TOTAL		6

WATER MANHOLE STRUCTURE CHIMNEY REPAIR

CATEGORY	STATION	LOCATION	* (SPV.0060.14) MANHOLE STRUCTURE CHIMNEY REPAIR EACH
0010	104+54.53	17.76' LT	1
0010	107+76.54	13.67' LT	1
	PROJECT 5990-02-42 TOTAL		2

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

WATERMAIN GRANULAR BACKFILL SPECIAL

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0035.01) WATERMAIN GRANULAR BACKFILL SPECIAL CY
0010	108+23.68	13.57' LT	108+31.93	13.55' LT	7
0010	114+22.97	12.27' LT	114+34.20	12.30' LT	10
0010	125+63.21	10.97' LT	125+98.94	14.16' LT	31
0010	CL10+13.32	7.04' RT	CL10+45.41	8.16' RT	27
0010	HC11+00.10	12.98' RT	114+23.87	11.37' LT	50
0010	LD10+92.28	11.93' RT	LD11+93.07	10.56' RT	85
			PROJECT 5990-02-42 TOTAL		210

DUCTILE IRON WATERMAIN 8-INCH

CATEGORY	FROM STATION	LOCATION	TO STATION	LOCATION	(SPV.0090.01) DUCTILE IRON WATERMAIN 8-INCH LF
0010	108+23.58	13.57' LT	108+31.93	13.55' LT	7
0010	114+23.87	12.27' LT	114+33.37	12.30' LT	9
0010	125+63.21	10.97' LT	125+88.54	11.01' LT	24
0010	125+88.54	11.01' LT	125+95.27	11.02' LT	6
0010	125+95.27	11.02' LT	125+98.33	14.15' LT	4
0010	CL10+13.32	7.04' RT	CL10+37.99	7.88' RT	24
0010	CL10+37.99	7.88' RT	CL10+45.41	8.16' RT	7
0010	HC11+01.73	12.96' RT	HC11+06.28	8.64' RT	6
0010	HC11+06.28	8.64' RT	HC11+11.67	8.73' RT	5
0010	HC11+11.67	8.73' RT	114+23.87	11.37' LT	45
0010	LD10+92.28	11.93' RT	LD11+53.32	10.87' RT	60
0010	LD11+53.32	10.87' RT	LD11+56.43	10.81' RT	2
0010	LD11+56.43	10.81' RT	LD11+75.29	10.67' RT	18
0010	LD11+75.29	10.67' RT	LD11+93.07	10.56' RT	17
			PROJECT 5990-02-42 TOTAL		234

PROPOSED WATERMAIN FITTINGS

CATEGORY	STATION	LOCATION	(SPV.0060.08) 8-INCH X 8-INCH D.I. TEE EACH	(SPV.0060.09) 8-INCH X 6-INCH D.I. REDUCER EACH	(SPV.0060.10) 8-INCH D.I. 45 DEG BEND EACH
0010	108+24.58	13.57' LT	1	-	-
0010	114+23.87	12.27' LT	1	-	-
0010	125+63.21	10.97' LT	1	-	-
0010	125+95.27	11.02' LT	-	-	1
0010	125+98.33	14.15' LT	-	-	1
0010	HC11+00.67	12.94' RT	-	1	-
0010	HC11+01.73	12.96' RT	-	-	1
0010	HC11+06.28	8.64' RT	-	-	1
0010	LD11+56.43	10.81' RT	1	-	-
	PROJECT 5990-02-42 TOTALS		4	1	4

3

ADJUSTING SANITARY SEWER MANHOLE COVERS

CATEGORY	STATION	LOCATION	* (611.8110) ADJUSTING MANHOLE COVERS EACH
0020	118+93.39	3.10' LT	1
0020	125+53.33	2.96' LT	1
	PROJECT 5990-02-42 TOTAL		2

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

SANITARY SEWER MANHOLES

CATEGORY	STATION	LOCATION	(SPV.0060.15) SANITARY STRUCTURE REPLACEMENT EACH	(SPV.0060.17) MANHOLE COVER TYPE SPECIAL LOGO SANITARY EACH	(SPV.0060.16) SANITARY STRUCTURE STANDARD BARREL SECTION EACH	* (SPV.0060.14) MANHOLE STRUCTURE CHIMNEY REPAIR EACH
0020	103+49.51	0.42' RT	1	1	-	-
0020	104+39.45	0.36' RT	-	1	-	1
0020	107+64.63	0.25' RT	-	1	-	1
0020	110+89.28	0.13' RT	-	1	-	1
0020	114+14.72	0.15' LT	-	1	1	-
0020	115+17.55	0.18' LT	-	1	-	1
0020	116+67.19	1.29' LT	-	1	-	1
0020	122+18.51	2.91' LT	-	1	-	1
	PROJECT 5990-02-42 TOTALS		1	8	1	6

*ADDITIONAL QUANTITIES FOUND ELSEWHERE

R/W PROJECT NUMBER 5990-02-40	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT NUMBER	4.01	5

PLAT OF RIGHT OF WAY REQUIRED FOR

CITY OF JANESVILLE, RUGER AVE (S RANDALL AVE - S LEXINGTON DR)

LOCAL STREET	ROCK COUNTY

CONSTRUCTION PROJECT NUMBER

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
EXISTING CENTERLINE
CORPORATE LIMITS
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIGN
PERMITTED SIGN
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER
UTILITY NUMBER
PARALLEL OFFSETS

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND SURVEY MONUMENT (SEE FOUND MONUMENT TABLE)

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER
COMBINED SEWER
ELECTRIC TOWER
TRANSMISSION STRUCTURES

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	RECORDED AS	(100')
ACRES	AC	REEL / IMAGE	R/I
ALUMINUM	ALUM	REFERENCE LINE	R/L
AND OTHERS	ET AL	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	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	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
IDENTIFICATION	ID	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		
POINT OF INTERSECTION	PI		
PROPERTY LINE	PL		

CURVE DATA ABBREVIATIONS

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

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK 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 3/4" X 24" IRON REBARS), 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.

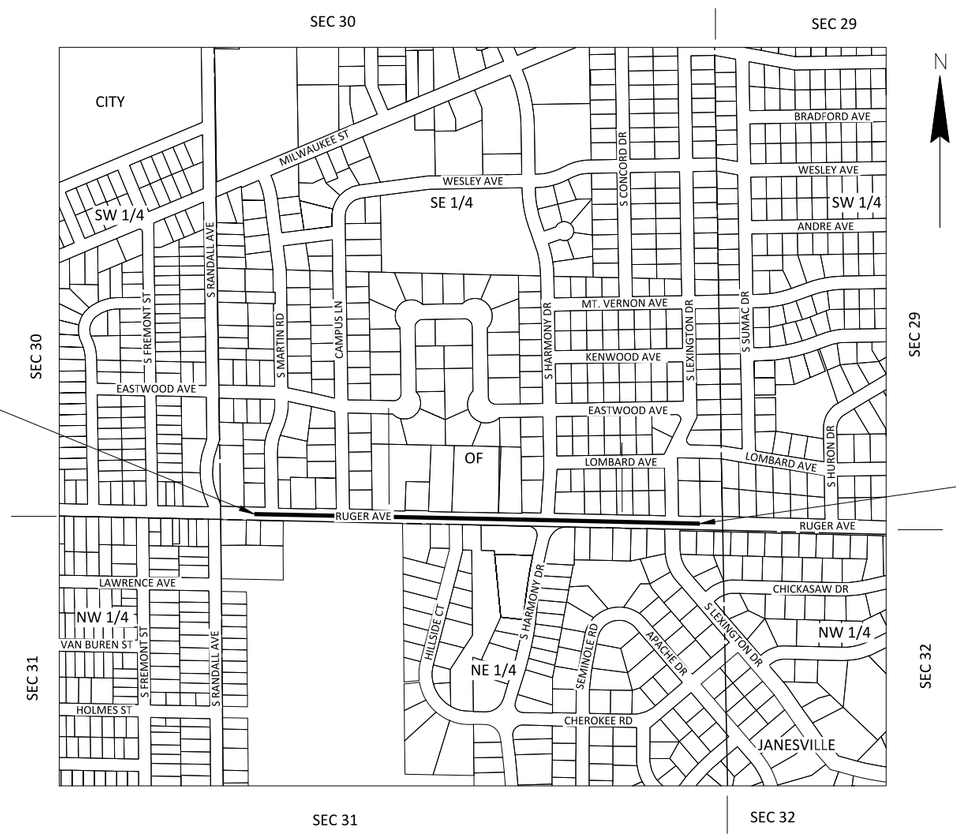
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

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.

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 MADISON.

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



T 3 N - R 13 E

BEGIN RELOCATION ORDER
STA 103+50.00
Y=270,344.260
X=498,847.780

29.8 FEET NORTH OF AND 176.2 FEET EAST OF THE SOUTH 1/4 CORNER OF SECTION 30, T3N, R13E, CITY OF JANESVILLE, WI.

END RELOCATION ORDER
STA 127+01.84
Y=270,293.032
X=501,199.066

34.6 FEET NORTH OF AND 117.4 FEET WEST OF THE SOUTHEAST CORNER OF SECTION 30, T3N, R13E, CITY OF JANESVILLE, WI.

LAYOUT
SCALE 0 800'

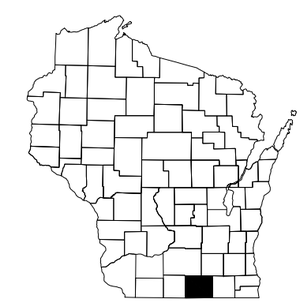
TOTAL NET LENGTH OF CENTERLINE = 2351.84 FT.

RECEIVED
FEB 26 2025
COUNTY CLERK
ROCK COUNTY, WI

PREPARED BY
MSA
1702 Pankratz Street, Madison, Wi 53704
608-242-7779 1-800-466-0679 Fax: 608-242-5664

WISCONSIN BRADLEY L. TISDALE S-2824 WAUNAKEE WI LAND SURVEYOR

01/22/2025 (DATE) (Professional Land Surveyor)

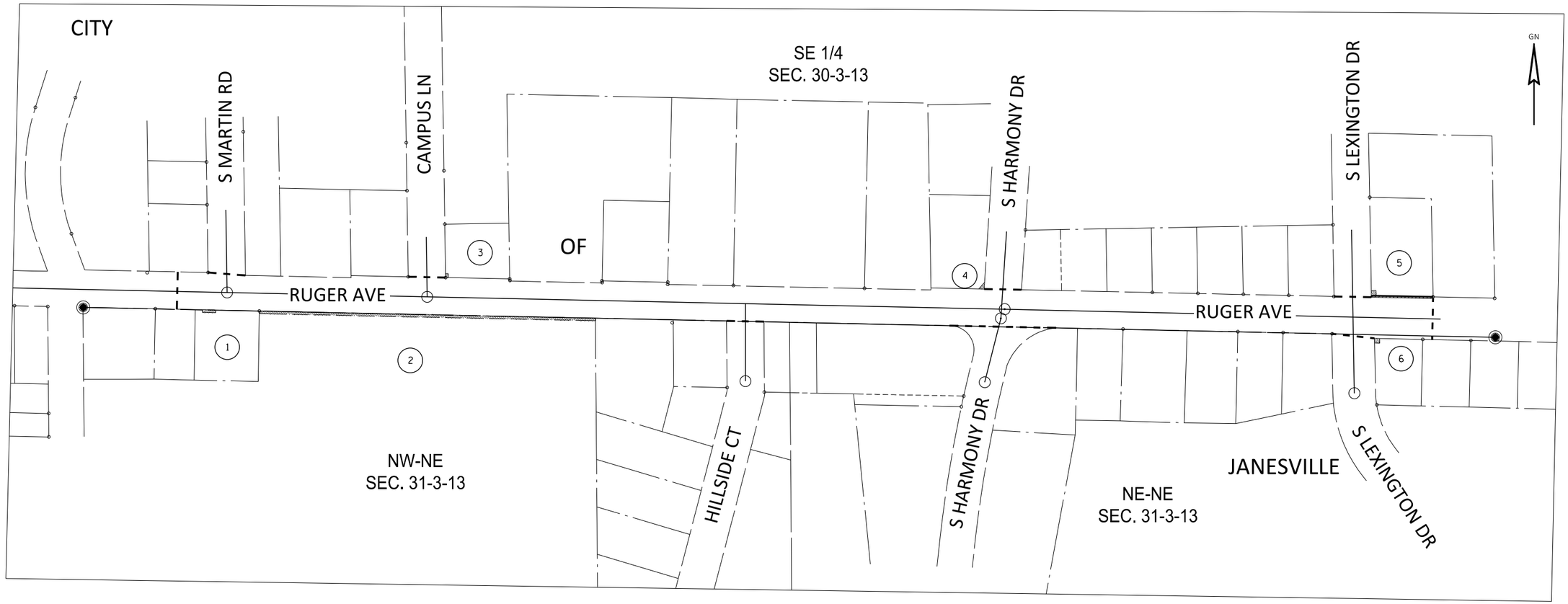


THIS PLAT IS A GRAPHIC REPRESENTATION AND IS FOR REFERENCE PURPOSES ONLY. DEEDS MUST BE CHECKED TO DETERMINE PROPERTY BOUNDARIES AND ACCESS RIGHTS.

REVISION DATE
02/21/2025

CITY OF JANESVILLE

APPROVED FOR THE CITY
DATE: 02/25/2025 (Signatur



4

4

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT (COUNTY).

PARCEL NUMBER	OWNER(S)	SHEET #	INTEREST(S) REQUIRED	R/W SQ. FT. REQUIRED			TLE SQ. FT.
				NEW	EXISTING	TOTAL	
1	TIMOTHY G. ALLEN AND MARTHA A. ALLEN, HUSBAND AND WIFE AS SURVIVORSHIP MARITAL PROPERTY	4.03	TLE	--	--	--	125
2	SCHOOL DISTRICT OF JANESVILLE, A WISCONSIN UNIFIED SCHOOL DISTRICT	4.03	TLE	--	--	--	3147
3	KEVIN J. HENDRIKSON AND KIM J. HENDRIKSON, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	4.03	TLE	--	--	--	38
4	DEREK S. PERDUE AND MICHELLE C. PERDUE, HUSBAND AND WIFE, AS SURVIVORSHIP MARITAL PROPERTY	4.04	TLE	--	--	--	59
5	TONY RAY BURD JR. AND SARAH ANN BURD, HUSBAND AND WIFE	4.05	FEE, TLE	347	--	347	84
6	ERIC W. STEURER	4.05	TLE	--	--	--	81

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	PARCEL AFFECTED	INTEREST REQUIRED	EASEMENT AFFECTING
80	AT&T	2	RELEASE OF RIGHTS	DOC. #1353859

REVISION DATE 02/21/2025	DATE 01/22/2025	SCALE, FEET 0 25 50	HWY: LOCAL STREET	STATE R/W PROJECT NUMBER 5990-02-40	PLAT SHEET 4. 03
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER	PS&E SHEET

E

FILE NAME : 00879101_JANESVILLE_RUGER AVE_PLAT.DWG
LAYOUT NAME - SCHEDULE

PLOT DATE : 2/21/2025 2:12 PM PLOT BY : SASHA SCHALLERT PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BY TYPE 2 (TYPICALLY 3/4 " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:

RUGER AVE: PFENNIG & HULICK'S CAMPUS VIEW; PRITCHARD'S HILLSIDE TERRACE; CSM RECORDED IN V. 5, P. 342 AS DOC. #848183; AND A 1946 PLAT OF SURVEY BY B.J. SUNNY.

S MARTIN RD AND CAMPUS LN: PFENNIG & HULICK'S CAMPUS VIEW

HILLSIDE CT: PRITCHARD'S HILLSIDE TERRACE

NOTE: THE SOUTH LINE OF THE SE 1/4 OF SECTION 30 RUNS ALONG, BUT DOES NOT EQUAL, THE SOUTH RIGHT-OF-WAY LINE OF RUGER AVENUE.

COURSE TABLE		
COURSE	BEARING	DISTANCE
S 30-116	S88° 47' 16"E	175.55'
116-117	N01° 13' 27"E	0.32'
117-100	N01° 13' 27"E	33.21'
100-101	N01° 13' 27"E	36.79'
101-102	S88° 46' 59"E	56.83'
102-103	S85° 31' 18"E	35.26'
103-104	S85° 31' 17"E	35.04'
105-106	N00° 53' 52"W	4.00'
107-108	S88° 46' 59"E	34.92'
108-109	S88° 46' 59"E	35.12'
109-110	S88° 46' 59"E	120.12'
110-111	S00° 50' 60"E	4.00'
112-113	N01° 13' 00"E	4.00'
114-115	S01° 12' 41"W	4.00'
124-118	N88° 46' 59"W	35.31'
117-116	S01° 13' 27"W	0.32'
116-141	S88°47'16"E	2351.80'

FOUND MONUMENT TABLE			
POINT NUMBER	Y	X	TYPE
102	270379.770	498905.385	1" IRON PIPE
107	270371.808	499280.243	1" IRON PIPE
109	270370.333	499350.317	1" IRON PIPE
110	270369.861	499470.325	1 1/4" IRON PIPE
115	270357.508	499766.347	1 1/4" IRON PIPE
1000	270364.930	499470.810	3/4" IRON ROD
1001	270361.129	499643.5850	3/4" IRON ROD
1002	270364.269	499643.058	3/4" IRON PIPE
1003	270361.869	499766.429	3/4" IRON PIPE
1004	270355.714	499889.391	3/4" IRON ROD
1005	270307.739	499001.385	1" IRON PIPE
1006	270285.841	499774.907	1" IRON PIPE

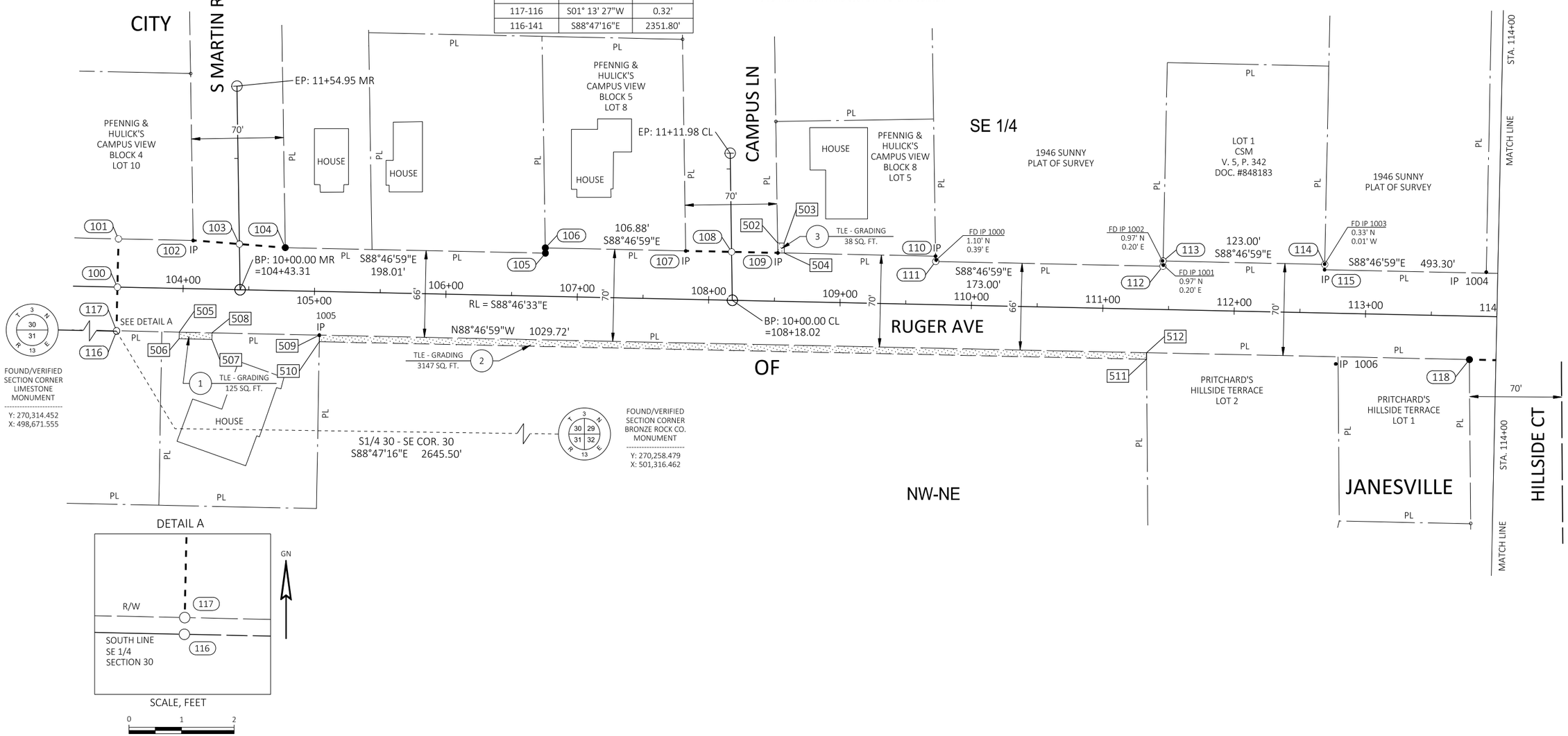
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

TLE STATION & OFFSET TABLE		
POINT	STATION	OFFSET
502	108+51.54	-44.35'
503	108+56.54	-44.35'
504	108+56.82	-36.85'
505	103+97.75	33.21'
506	103+97.75	38.21'
507	104+22.75	38.20'
508	104+22.75	33.20'
509	105+04.46	33.19'
510	105+04.48	38.19'
511	111+34.06	38.11'
512	111+33.91	33.11'

RW STATION & OFFSET TABLE		
POINT	STATION	OFFSET
100	103+50.00	0.00'
101	103+50.00	-36.79'
102	104+06.83	-36.80'
103	104+42.04	-34.79'
104	104+77.03	-32.80'
105	106+75.03	-32.83'
106	106+74.89	-36.83'
107	107+81.77	-36.84'
108	108+16.69	-36.85'
109	108+51.81	-36.85'

RW STATION & OFFSET TABLE		
POINT	STATION	OFFSET
110	109+71.93	-36.87'
111	109+72.08	-32.87'
112	111+45.08	-32.89'
113	111+45.08	-36.89'
114	112+68.08	-36.90'
115	112+68.08	-32.90'
116	103+50.00	33.53'
117	103+50.00	33.21'
118	113+79.72	33.08'

GN



REVISION DATE 02/21/2025	DATE 01/22/2025	SCALE, FEET 0 40 80	HWY: LOCAL STREET	STATE R/W PROJECT NUMBER 5990-02-40	PLAT SHEET 4.03	
	GRID FACTOR		COUNTY: ROCK	CONSTRUCTION PROJECT NUMBER	PS&E SHEET	E

FILE NAME : 00879101_JANESVILLE_RUGER AVE_PLAT.DWG
LAYOUT NAME - SHEET 3
PLOT DATE : 2/21/2025 2:12 PM PLOT BY : SASHA SCHALLERT PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 75

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BY TYPE 2 (TYPICALLY 3/4 " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: RUGER AVE: PRITCHARD'S HILLSIDE TERRACE, RUGER HEIGHTS, FAIRLANE PARK, 1946 PLAT OF SURVEY BY B.J. SUNNY, A 2016 PLAT OF SURVEY BY R. COMBS, AND A 2017 PLAT OF SURVEY BY R. COMBS.

HILLSIDE CT: PRITCHARD'S HILLSIDE TERRACE

S HARMONY DR: RUGER HEIGHTS AND FAIRLANE PARK

NOTE: THE SOUTH LINE OF THE SE 1/4 OF SECTION 30 RUNS ALONG, BUT DOES NOT EQUAL, THE SOUTH RIGHT-OF-WAY LINE OF RUGER AVENUE.

FOUND MONUMENT TABLE

POINT NUMBER	Y	X	TYPE
1007	270350.232	500134.863	3/4" IRON ROD
1008	270342.492	500674.151	1 1/2" IRON PIPE
1009	270340.817	500759.276	1 1/2" IRON PIPE
1010	270273.874	500619.112	1" IRON PIPE

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

COURSE TABLE

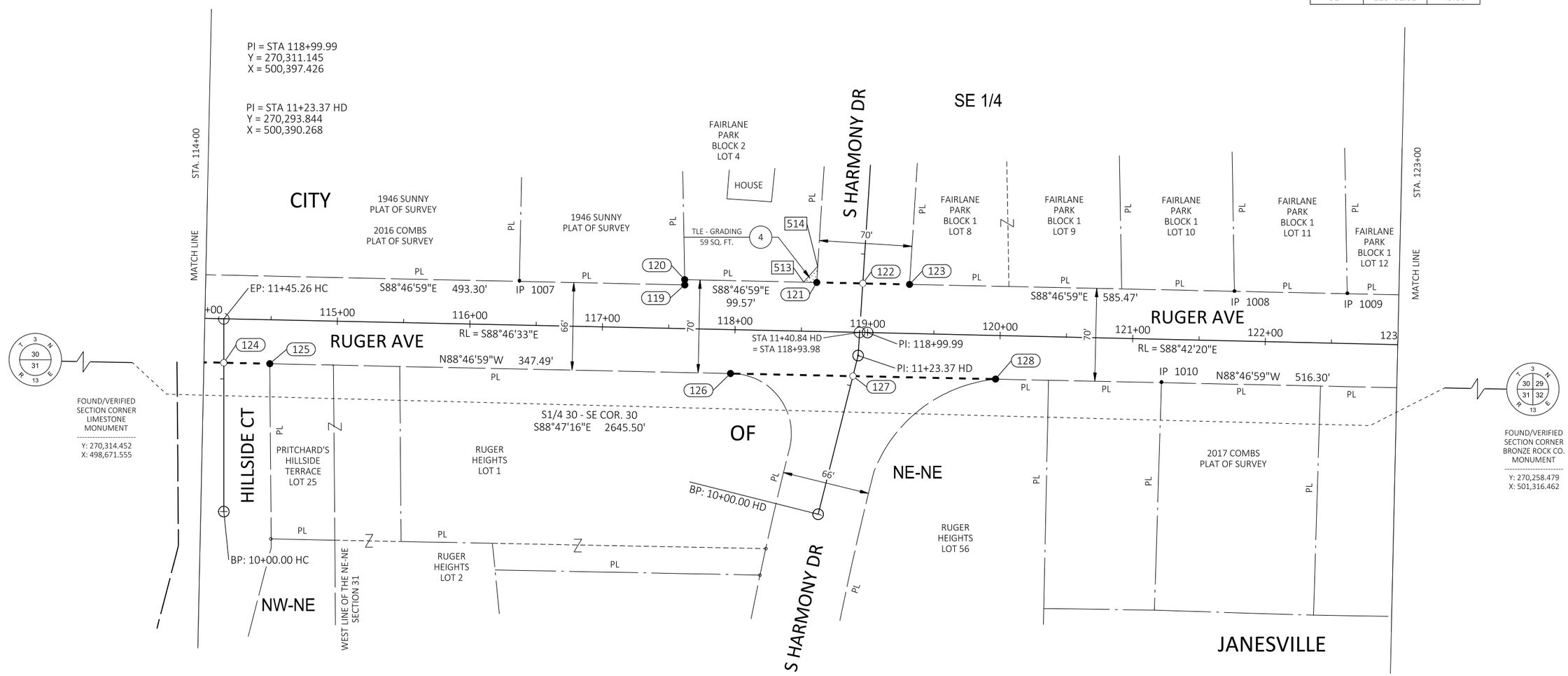
COURSE	BEARING	DISTANCE
119-120	N01° 00' 35"W	4.00'
121-122	S88° 46' 59"E	34.82'
122-123	S88° 46' 59"E	35.25'
128-127	N88° 46' 59"W	107.59'
127-126	N88° 46' 59"W	92.41'
125-124	N88° 46' 59"W	34.72'
124-118	N88° 46' 59"W	35.31'

RW STATION & OFFSET TABLE

POINT	STATION	OFFSET
119	117+61.38	-32.97'
120	117+61.23	-36.97'
121	118+60.80	-36.98'
122	118+95.61	-36.98'
123	119+30.82	-37.03'
124	114+15.03	33.08'
125	114+49.75	33.07'
126	117+97.24	33.03'
127	118+89.64	33.02'
128	119+97.27	32.88'

TLE STATION & OFFSET TABLE

POINT	STATION	OFFSET
513	118+51.04	-36.98'
514	118+61.32	-49.06'



REVISION DATE 02/21/2025	DATE 01/22/2025	SCALE, FEET 0 40 80	HWY: LOCAL STREET
	GRID FACTOR		COUNTY: ROCK

STATE R/W PROJECT NUMBER 5990-02-40

CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.04

PS&E SHEET 99

E

FILE NAME : 00879101_JANESVILLE_RUGER AVE_PLAT.DWG
LAYOUT NAME - SHEET 4

PLOT DATE : 2/21/2025 2:12 PM PLOT BY : SASHA SCHALLERT PLOT NAME : PLOT SCALE :

WISDOT/CADDS SHEET 75

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), ROCK COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BY TYPE 2 (TYPICALLY 3/4 " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: RUGER AVE: FAIRLANE PARK; FOURTH BLACKHAWK WOODS; CSM RECORDED IN V. 41, P. 221-223 AS DOC. #2193442; A 1998 PLAT OF SURVEY BY S. LATHROP; AND A 1999 PLAT OF SURVEY BY S. LATHROP.

S LEXINGTON DR: FAIRLANE PARK, FOURTH BLACKHAWK WOODS, A 1998 PLAT OF SURVEY BY S. LATHROP, AND A 1999 PLAT OF SURVEY BY S. LATHROP.

NOTE: THE SOUTH LINE OF THE SE 1/4 OF SECTION 30 RUNS ALONG, BUT DOES NOT EQUAL, THE SOUTH RIGHT-OF-WAY LINE OF RUGER AVENUE.

COURSE TABLE

COURSE	BEARING	DISTANCE
129-130	S88° 47' 02"E	35.02'
130-131	S88° 46' 56"E	35.03'
131-132	N01° 05' 29"W	2.62'
132-133	N88° 36' 34"E	8.80'
134-135	S01° 00' 44"E	3.02'
135-136	S01° 17' 40"W	38.07'
136-141	S01° 17' 40"W	32.06'
141-140	S01° 17' 40"W	6.87'
139-138	N83° 48' 12"W	39.87'
138-137	N83° 48' 12"W	40.77'
116-141	S88°47'16"E	2351.80'
141-SE 30	S88°47'16"E	118.15'

TLE STATION & OFFSET TABLE

POINT	STATION	OFFSET
515	125+85.85	-50.03'
516	125+94.63	-50.52'
517	125+94.26	47.58'
518	126+03.77	47.57'
519	126+03.43	39.07'

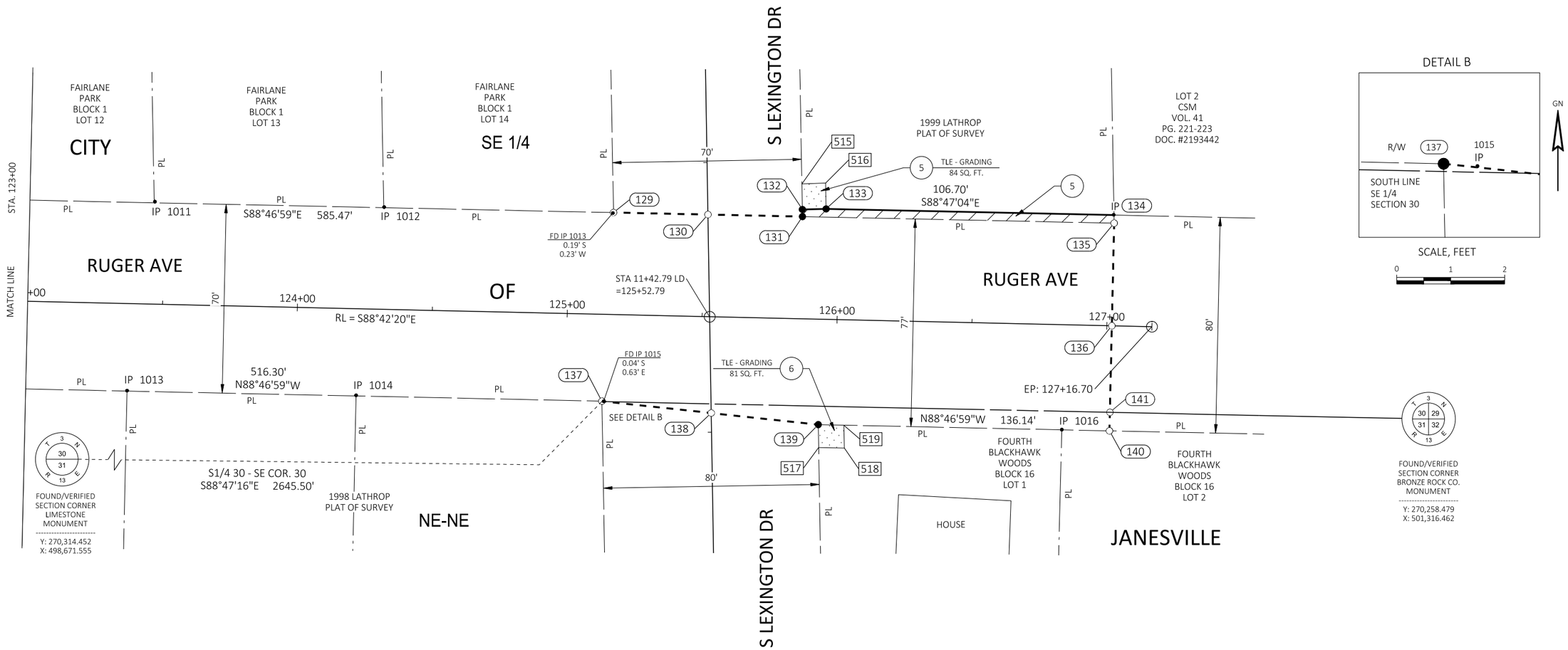
FOUND MONUMENT TABLE

POINT NUMBER	Y	X	TYPE
134	270334.838	501014.177	1 1/2" IRON PIPE
1011	270339.069	500844.496	1 1/2" IRON PIPE
1012	270337.068	500929.430	1 1/2" IRON PIPE
1013	270269.024	500834.168	1" IRON PIPE
1014	270267.286	500919.029	3/4" IRON PIPE
1015	270265.0620	501010.7480	1" IRON PIPE
1016	270254.546	501180.5200	3/4" IRON PIPE

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

RW STATION & OFFSET TABLE

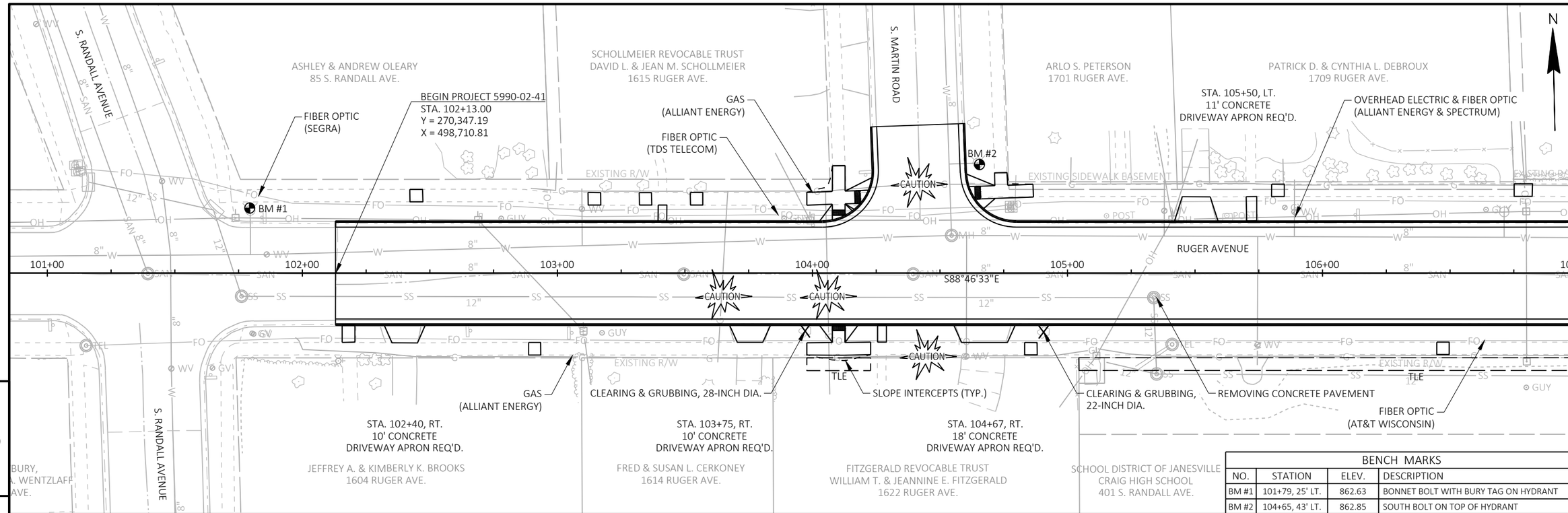
POINT	STATION	OFFSET
129	125+16.29	-37.82'
130	125+51.31	-37.87'
131	125+86.34	-37.91'
132	125+86.23	-40.53'
133	125+95.02	-40.94'
134	127+01.72	-41.09'
135	127+01.84	-38.07'
136	127+01.84	0.00'
137	125+13.58	32.19'
138	125+54.20	35.67'
139	125+93.92	39.08'
140	127+01.84	38.93'
141	127+01.84	32.06'



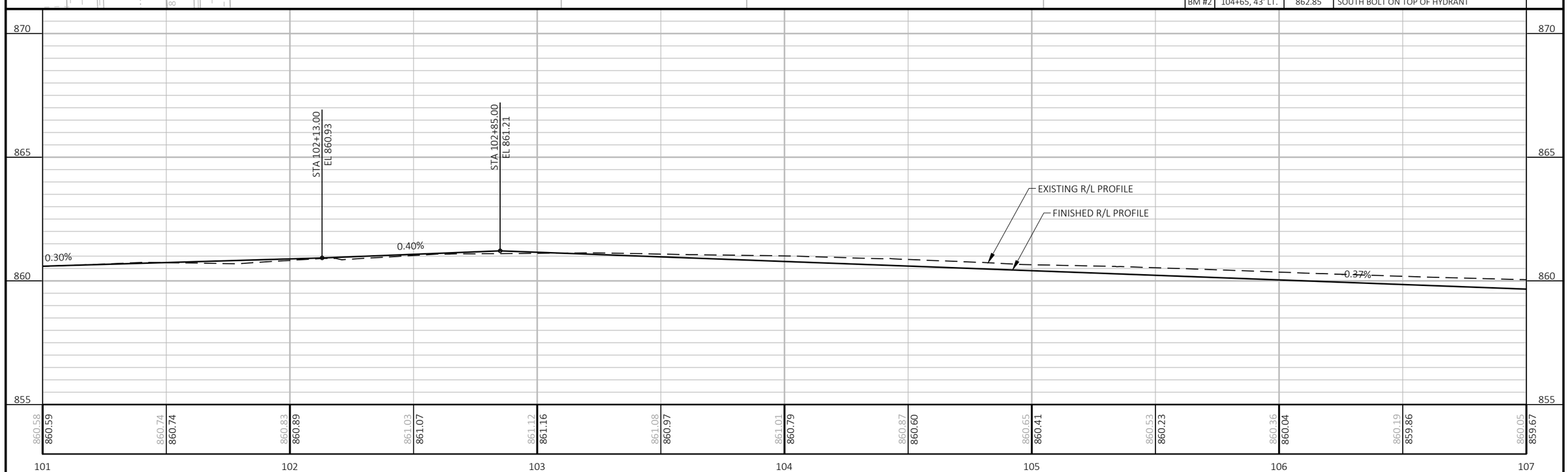
REVISION DATE 02/21/2025	DATE 01/22/2025	SCALE, FEET 0 20 40	HWY: LOCAL STREET
	GRID FACTOR		COUNTY: ROCK

STATE R/W PROJECT NUMBER 5990-02-40
CONSTRUCTION PROJECT NUMBER
PLAT SHEET 4.05
PS&E SHEET 100
E

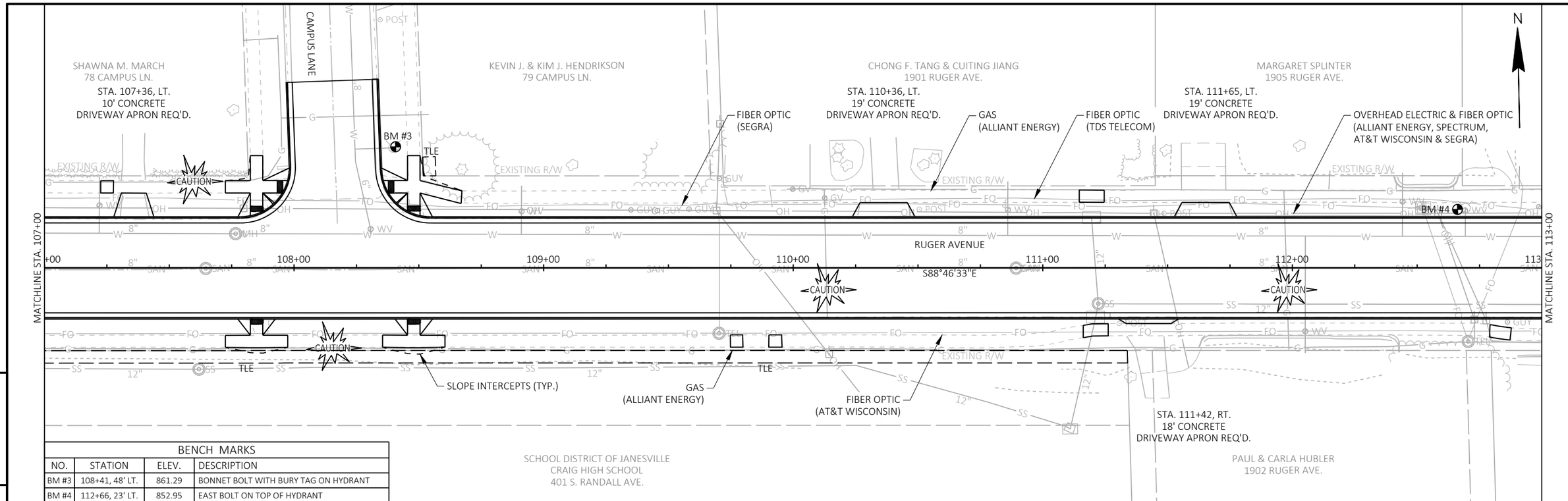
FILE NAME : 00879101_JANESVILLE_RUGER AVE_PLAT.DWG
LAYOUT NAME - SHEET 5
PLOT DATE : 2/21/2025 2:12 PM PLOT BY : SASHA SCHALLERT PLOT NAME : PLOT SCALE :
WISDOT/CADDS SHEET 75



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #1	101+79, 25' LT.	862.63	BONNET BOLT WITH BURY TAG ON HYDRANT
BM #2	104+65, 43' LT.	862.85	SOUTH BOLT ON TOP OF HYDRANT

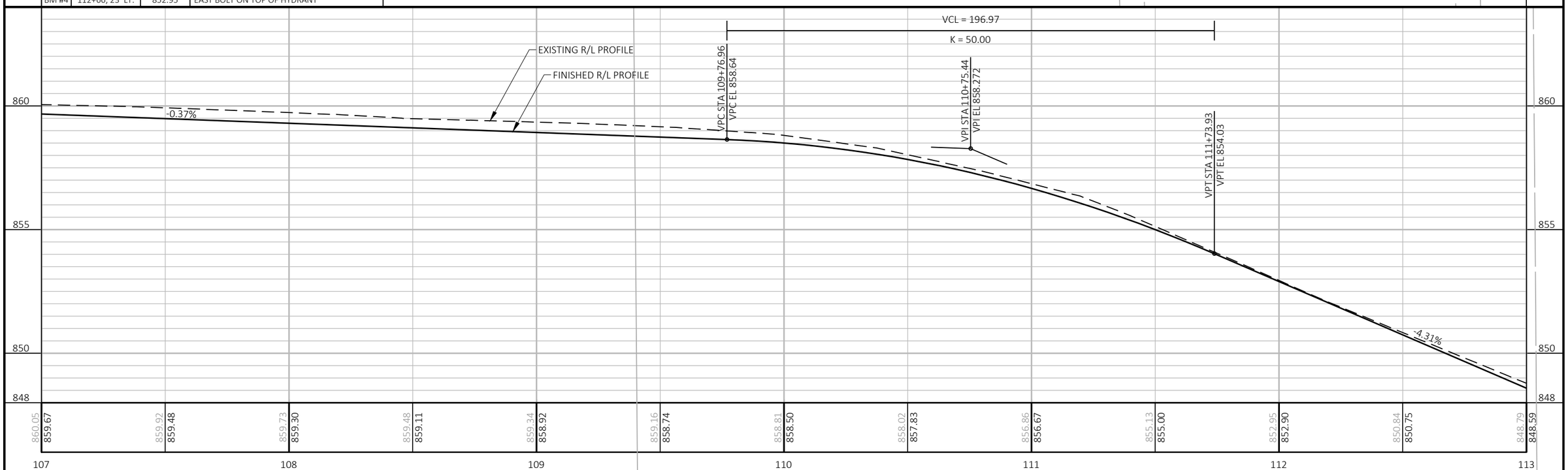


PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 101	E



5

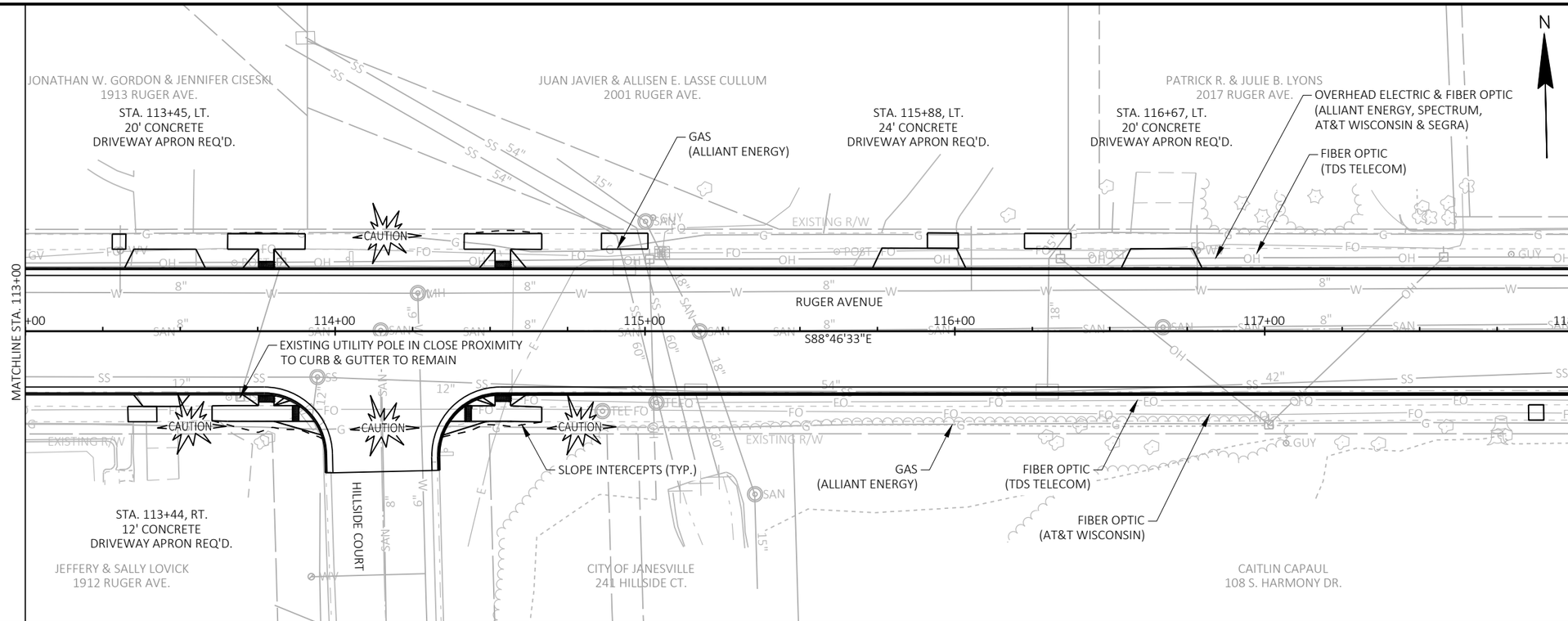
BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #3	108+41, 48' LT.	861.29	BONNET BOLT WITH BURY TAG ON HYDRANT
BM #4	112+66, 23' LT.	852.95	EAST BOLT ON TOP OF HYDRANT

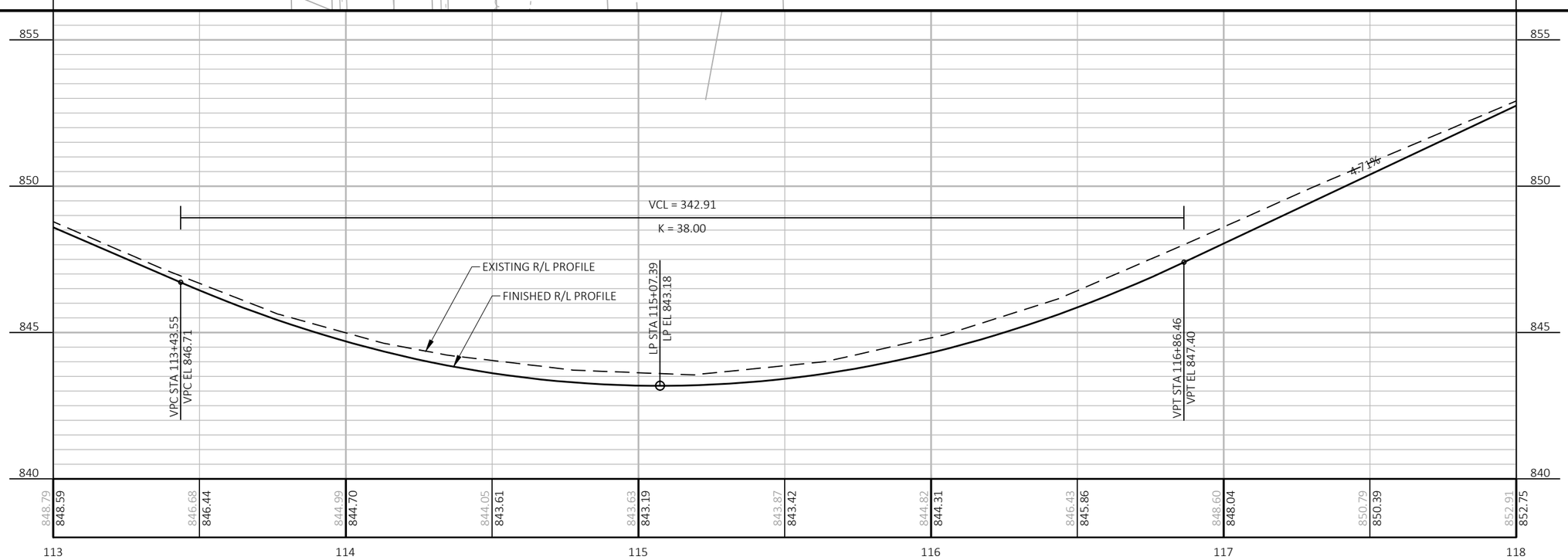


5

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 102	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050102-pp
PLOT DATE : 7/29/2025 3:25 PM PLOT BY : JASON DOLENS PLOT NAME : PLOT SCALE : 1 IN:40 FT

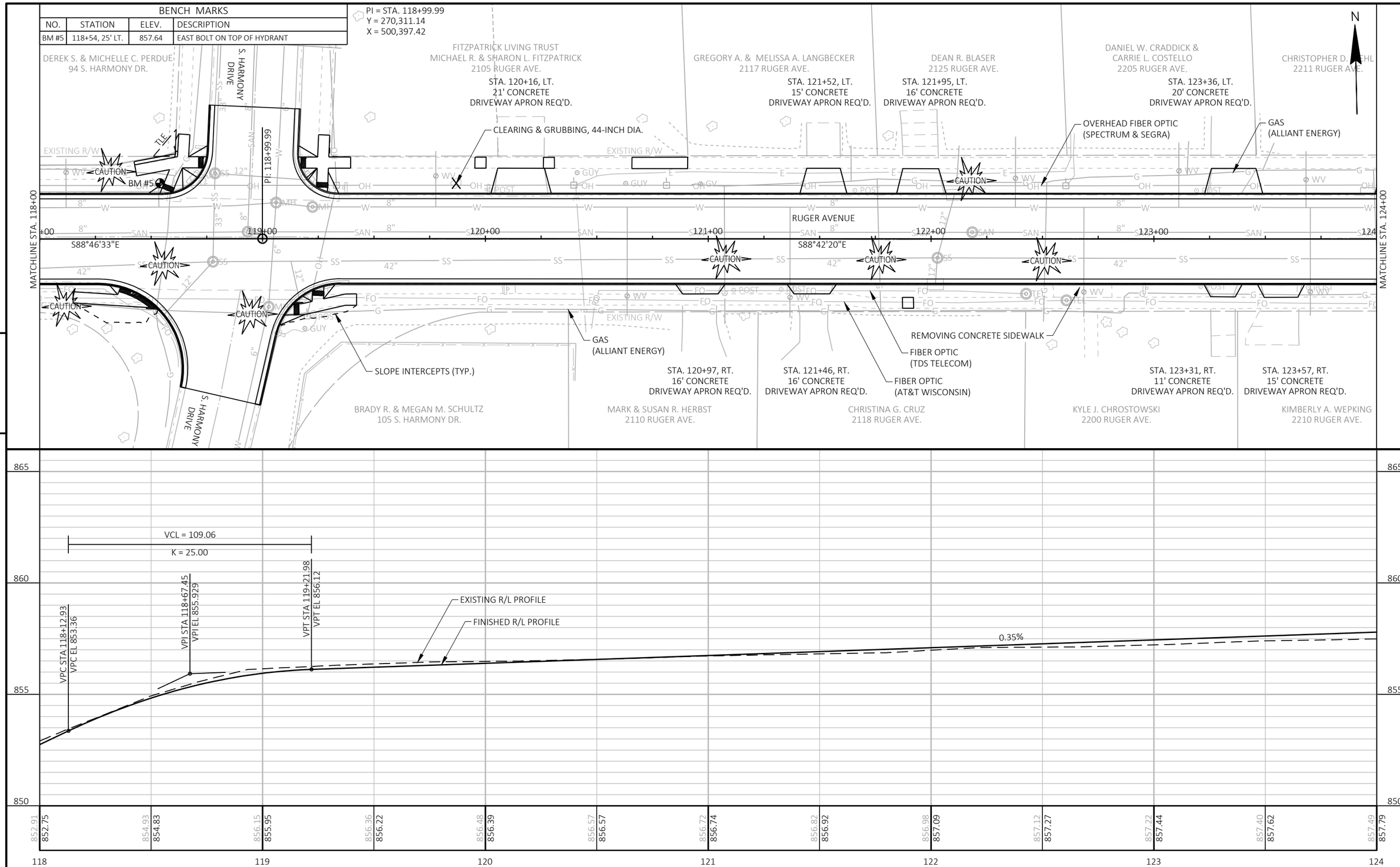




PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 103	E

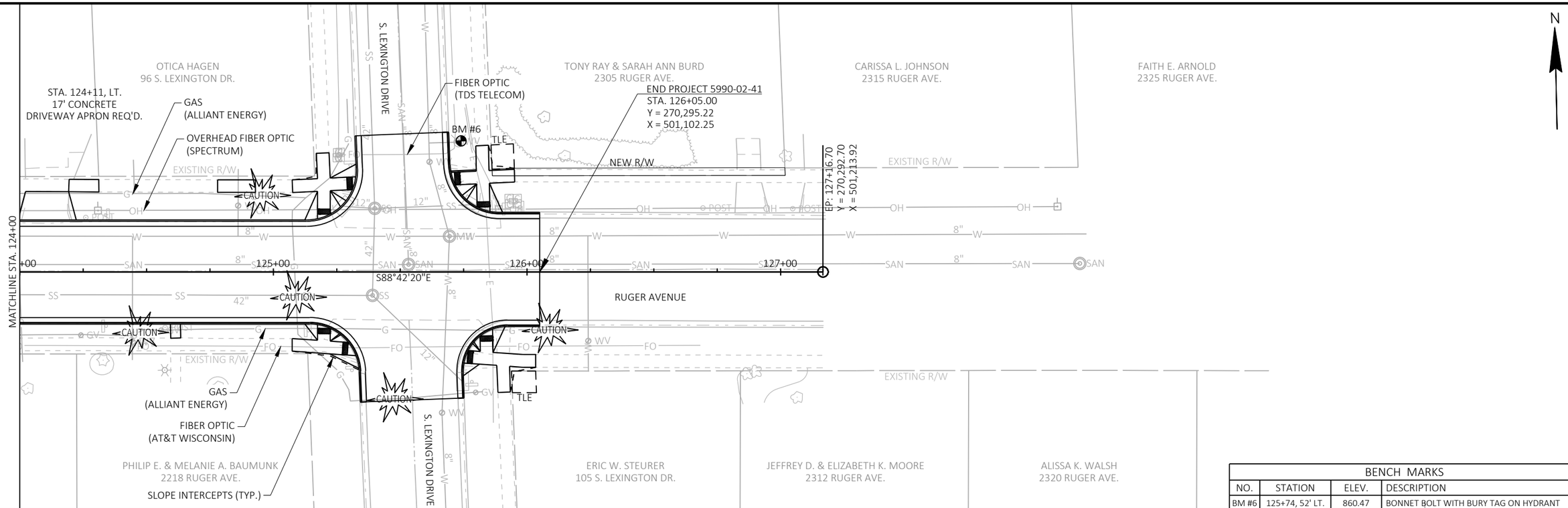
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050103-pp
PLOT DATE : 7/29/2025 3:25 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #5	118+54, 25' LT.	857.64	EAST BOLT ON TOP OF HYDRANT

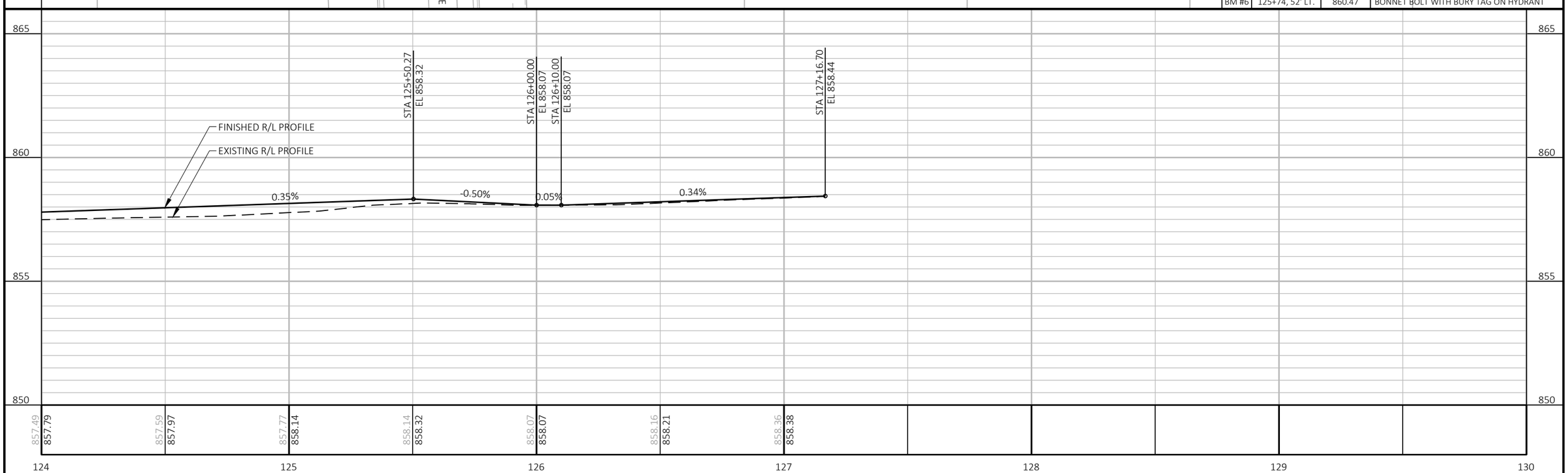


PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 104	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 7/29/2025 3:25 PM
PLOT BY : JASON DOLENS
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44



BENCH MARKS			
NO.	STATION	ELEV.	DESCRIPTION
BM #6	125+74, 52' LT.	860.47	BONNET BOLT WITH BURY TAG ON HYDRANT



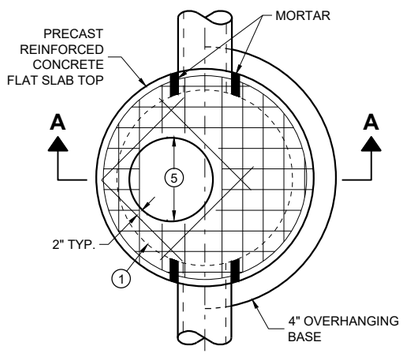
PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	PLAN AND PROFILE: RUGER AVENUE	SHEET 105	E

Standard Detail Drawing List

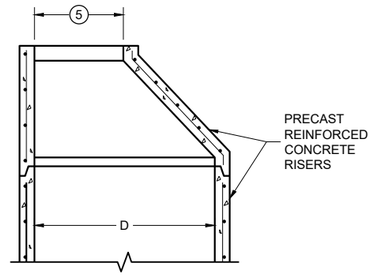
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08C07-03	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT, 2.5X3-FT & 2X3.5-FT
08D01-23A	CONCRETE CURB & GUTTER
08D01-23B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-05	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
13C19-03	HMA LONGITUDINAL JOINTS
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-16C	PAVEMENT MARKING ARROWS
15C07-16E	PAVEMENT MARKING FOR BIKE LANES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C29-08A	BICYCLE LANE MARKING
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

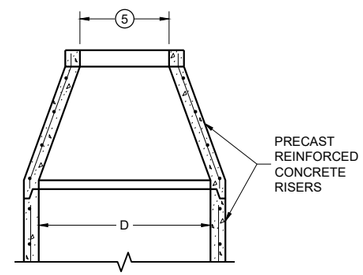
6



PLAN VIEW
CIRCULAR OPENING



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.

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".

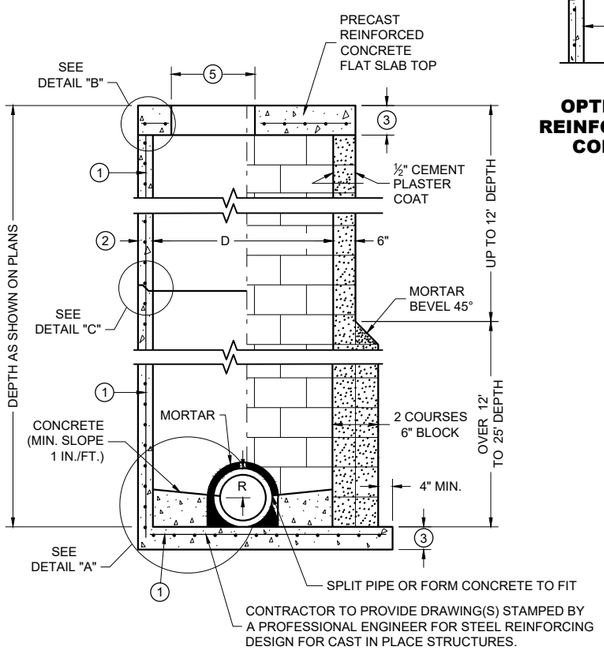
(1) FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(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.

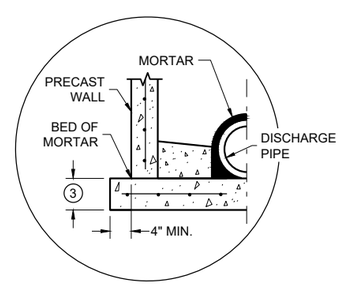
(5) SEE MANHOLE COVER OPENING MATRIX.



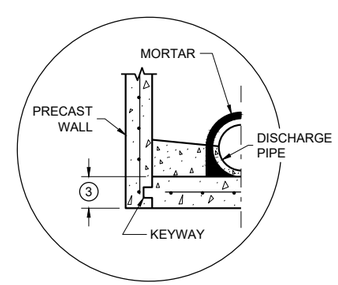
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

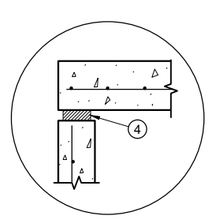


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

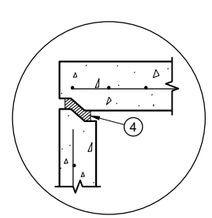


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

DETAIL "A"

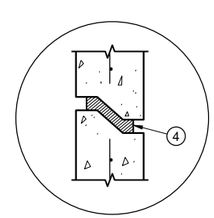


TOP WITH PLAIN END JOINT



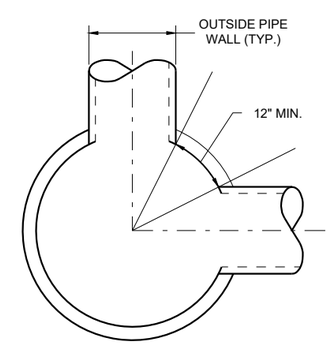
TOP WITH TONGUE AND GROOVE JOINT

DETAIL "B"



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "C"



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

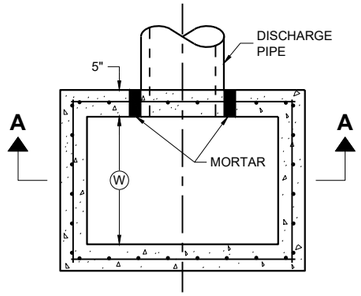
MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

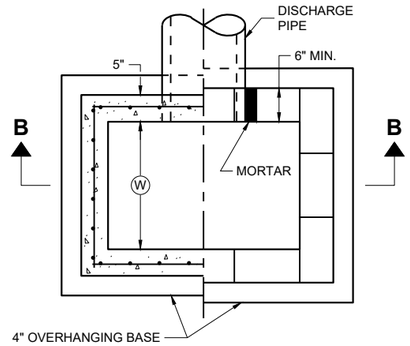
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6

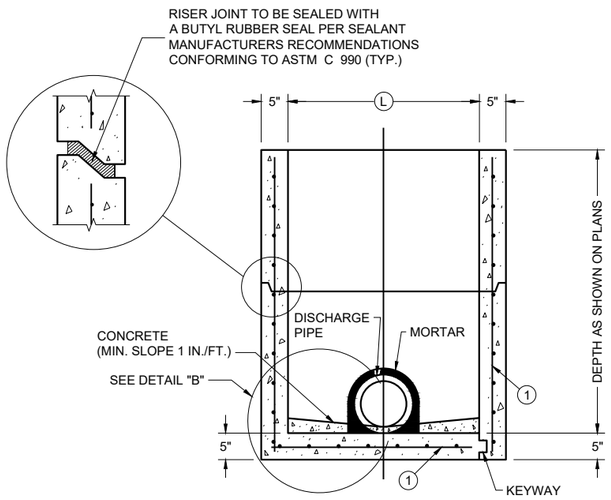
SDD 08B09-04



PLAN VIEW



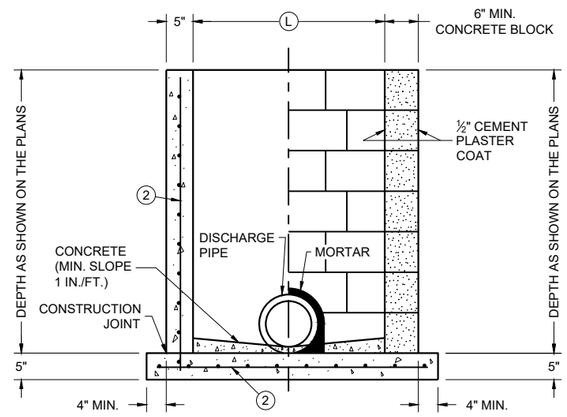
PLAN VIEW



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

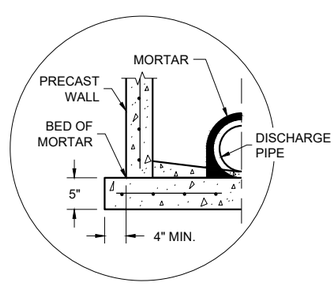
SECTION A - A



CAST IN PLACE REINFORCED CONCRETE

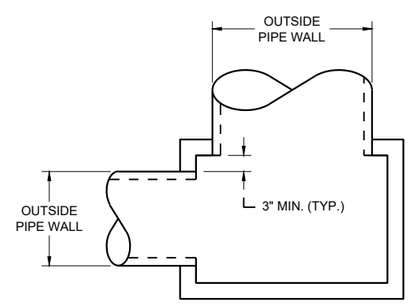
CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)

SECTION B - B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "B"



DETAIL "A"

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 INLET 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 INLET 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 INLETS 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.

CATCH BASIN COVER MATRIX

INLET SIZE	WIDTH (W) (FT.)	LENGTH (L) (FT.)	INLET COVER TYPE									
			ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM	V V-B
2 X 2-FT	2	2	X	X				X				
2 X 2.5-FT	2	2.5			X			X	X	X	X	
2 X 3-FT	2	3					X					
2.5 X 3-FT	2.5	3				X						
2 X 3.5-FT	2	3.5										X

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2 X 2-FT	12	12
2 X 2.5-FT	12	18
2 X 3-FT	12	24
2.5 X 3-FT	18	24
2 X 3.5-FT	12	30

INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2X3.5-FT

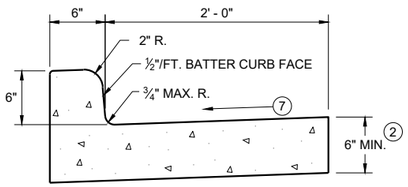
INLETS 2 X 2-FT, 2 X 2.5-FT, 2 X 3-FT, 2.5 X 3-FT AND 2 X 3.5-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

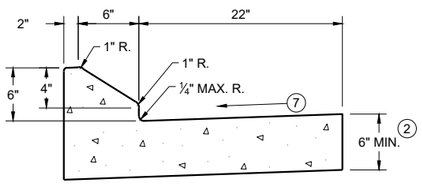
APPROVED
December 2023 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

6

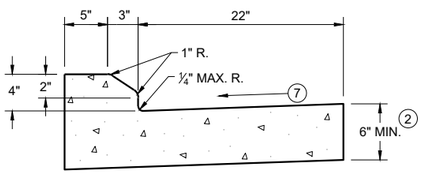
SDD 08C07-03



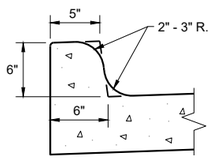
TYPES A (1) & D



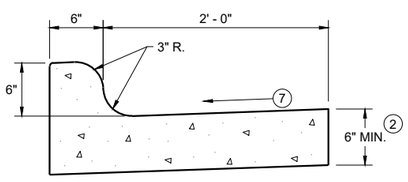
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

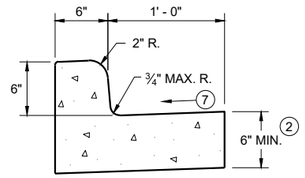


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



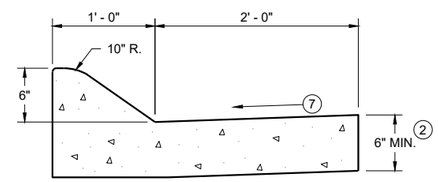
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

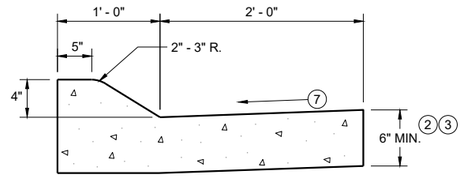


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

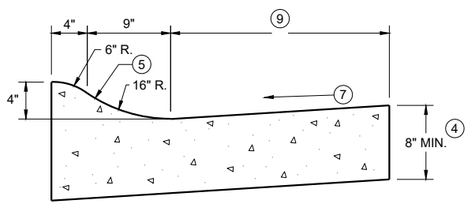


6" SLOPED CURB TYPES A (1) & D



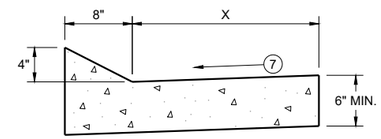
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

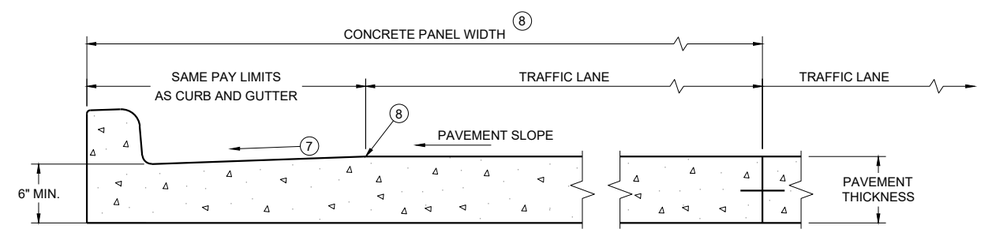


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

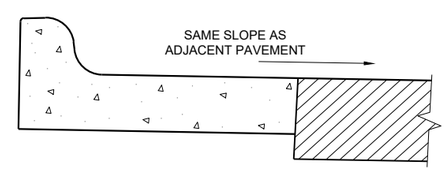
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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.

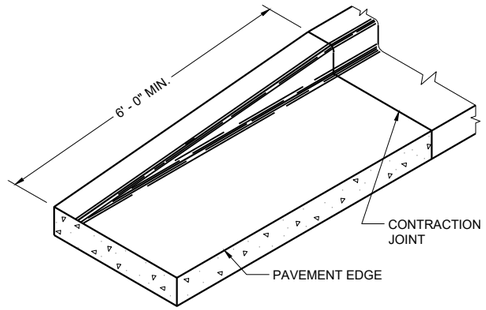
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

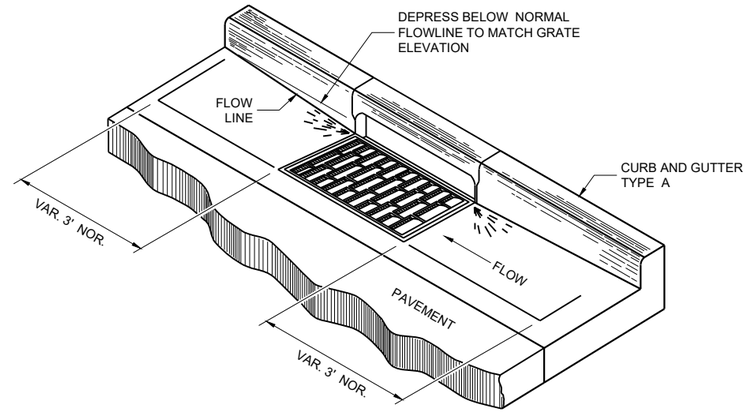
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01-23a



END SECTION CURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

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

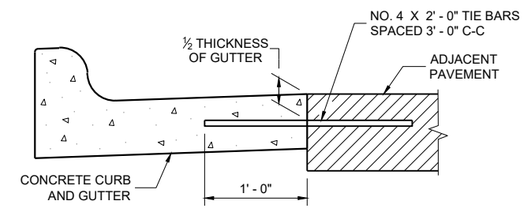
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

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

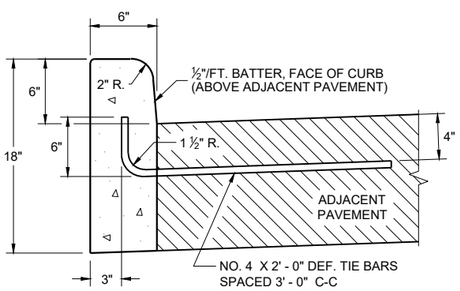
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

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

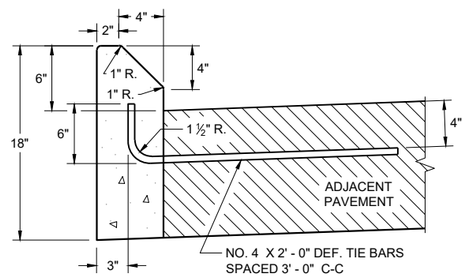
(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.



TYPICAL TIE BAR LOCATION (1)

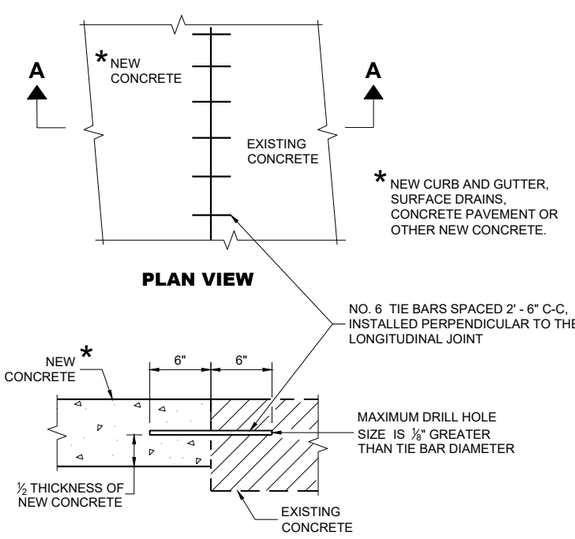


TYPES A (1) & D



TYPES G (1) & J

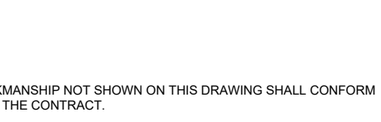
CONCRETE CURB



PLAN VIEW

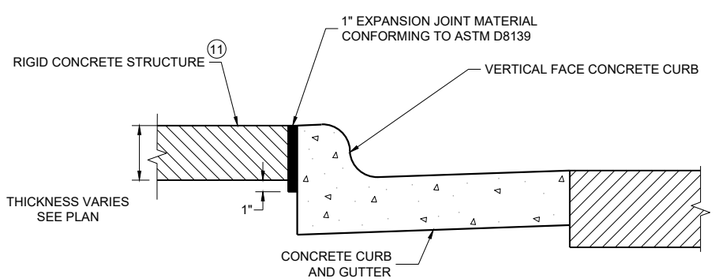
SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)



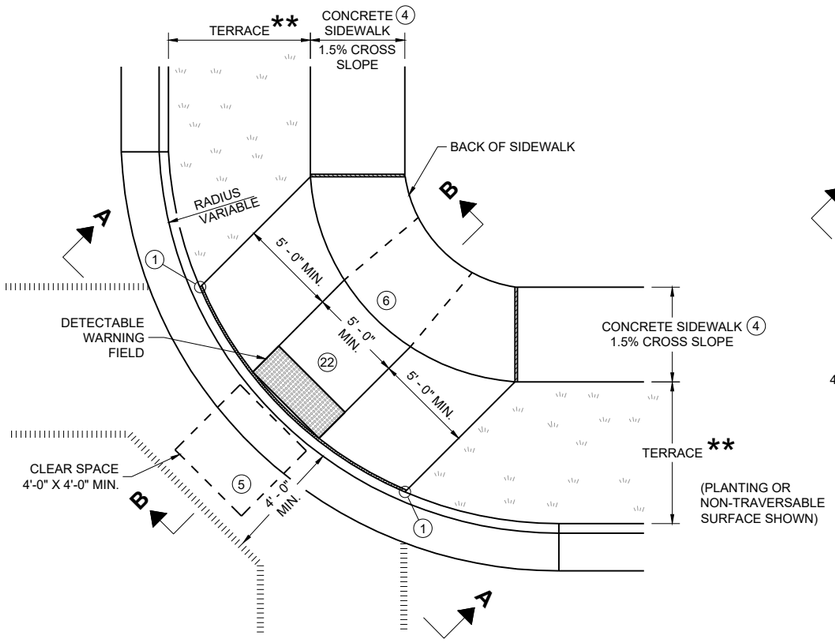
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)

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

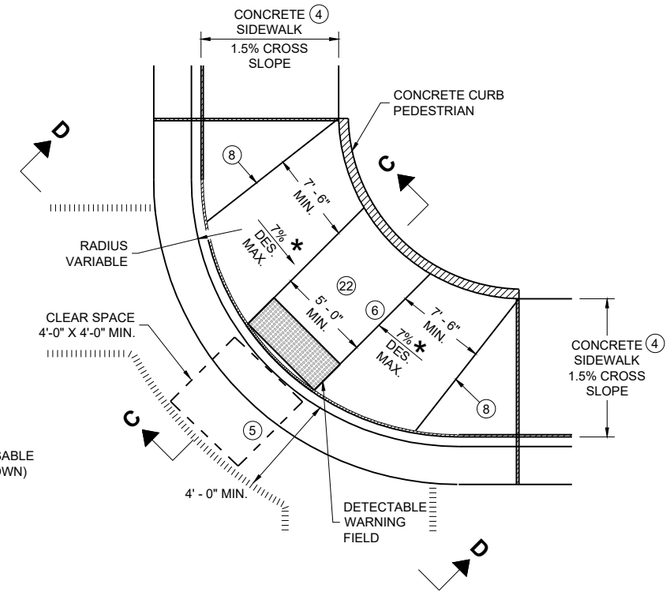
FHWA



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

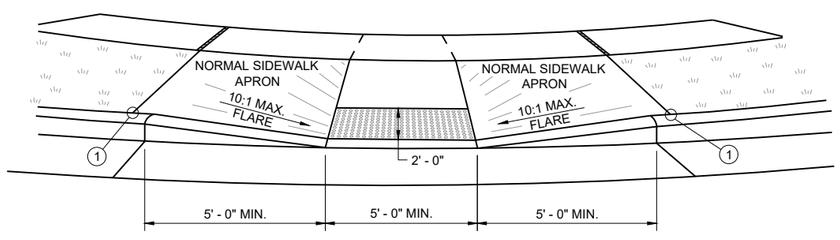
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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

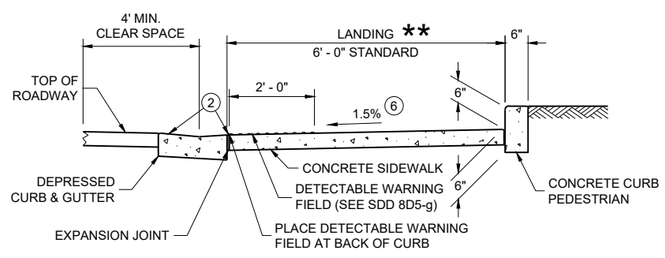
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

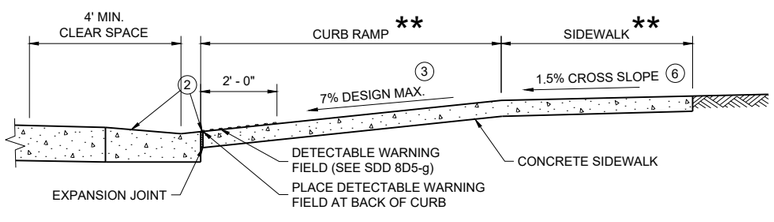
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS



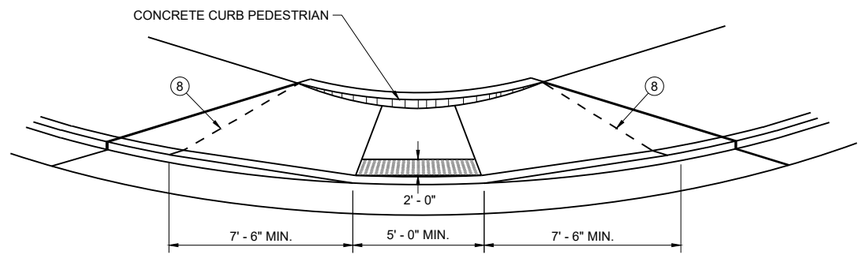
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



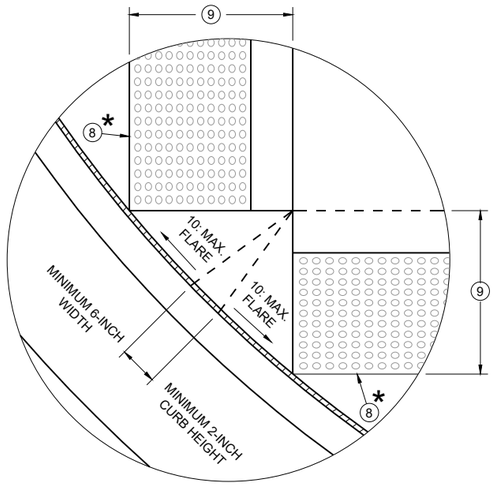
SECTION B - B FOR TYPE 1



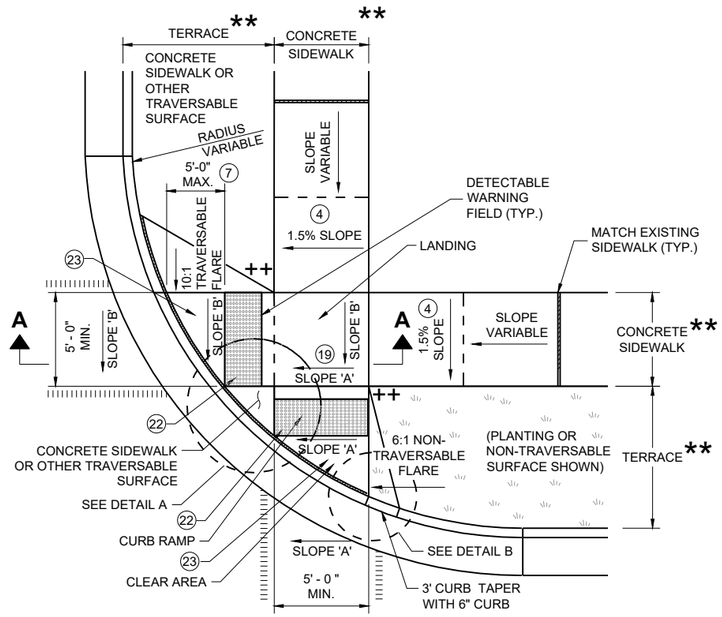
VIEW D - D FOR TYPE 1 - A

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



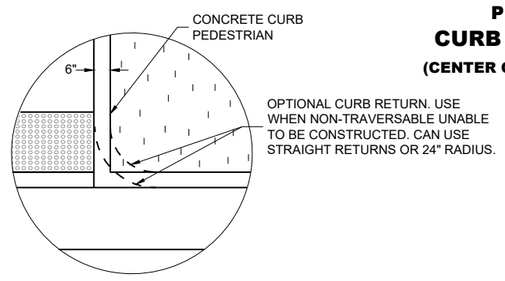
DETAIL A



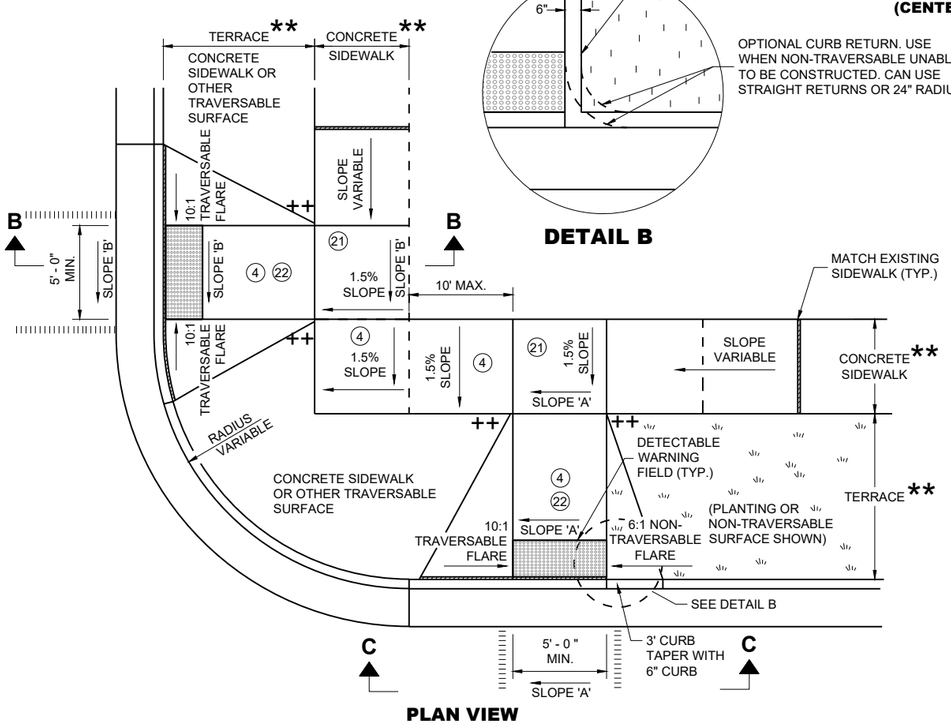
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



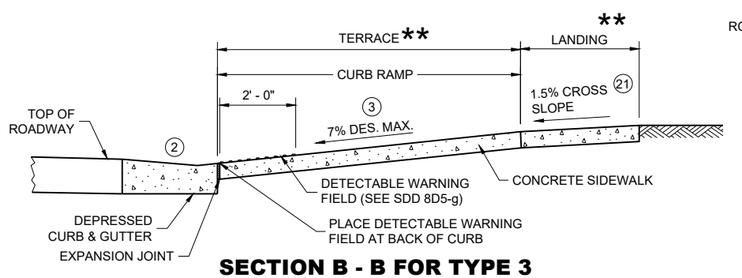
DETAIL B



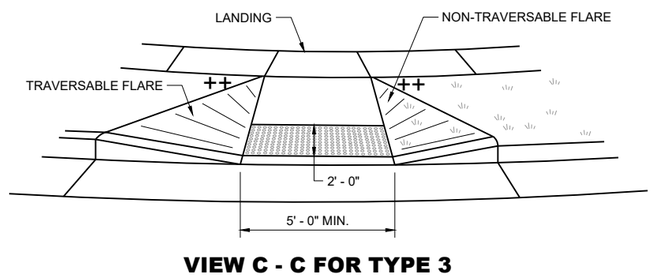
PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

GENERAL NOTES

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

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

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

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

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

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

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

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

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

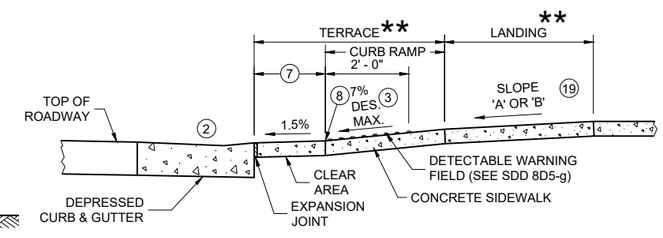
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

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

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

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

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



SECTION A - A FOR TYPE 2

LEGEND

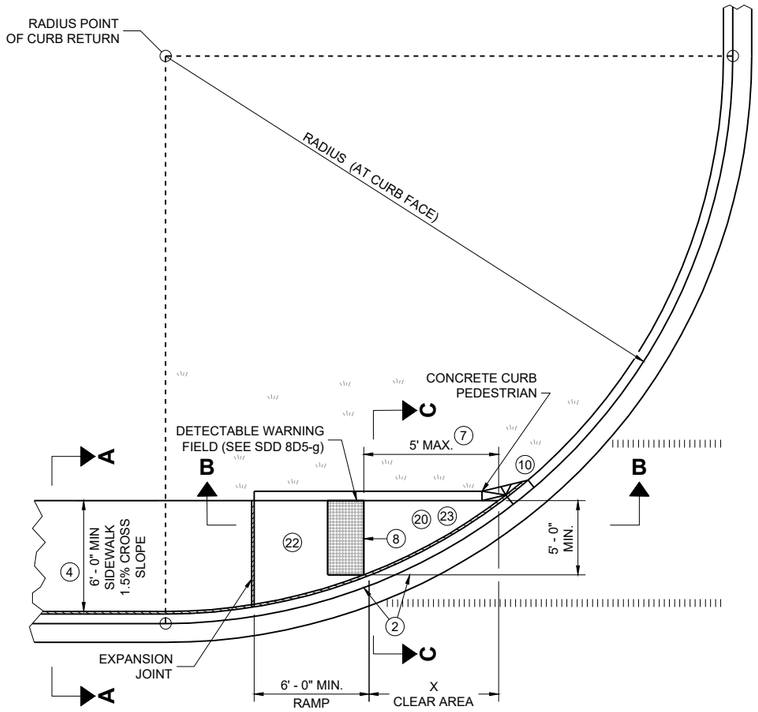
═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
|||||||||||	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05-22b



PLAN VIEW

CURB RAMP TYPE 4A

LEGEND

½" EXPANSION JOINT SIDEWALK

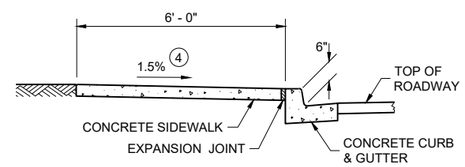
CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

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

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

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

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

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

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

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

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

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

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

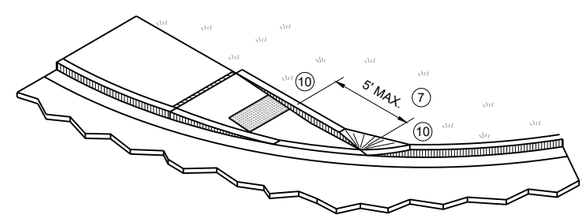
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

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

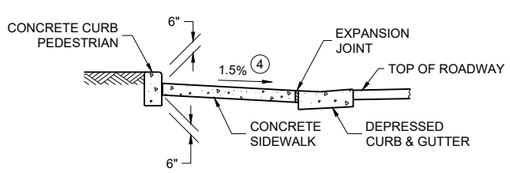
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

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

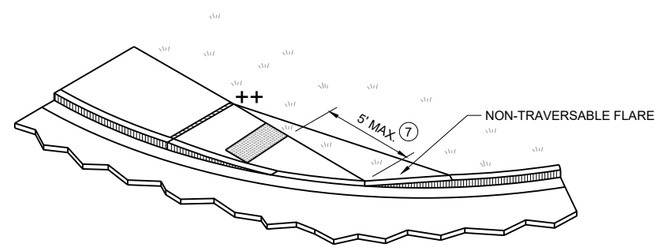
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



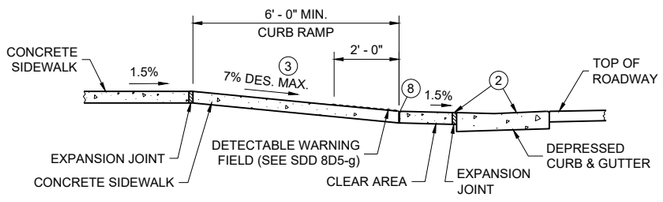
ISOMETRIC VIEW FOR TYPE 4A



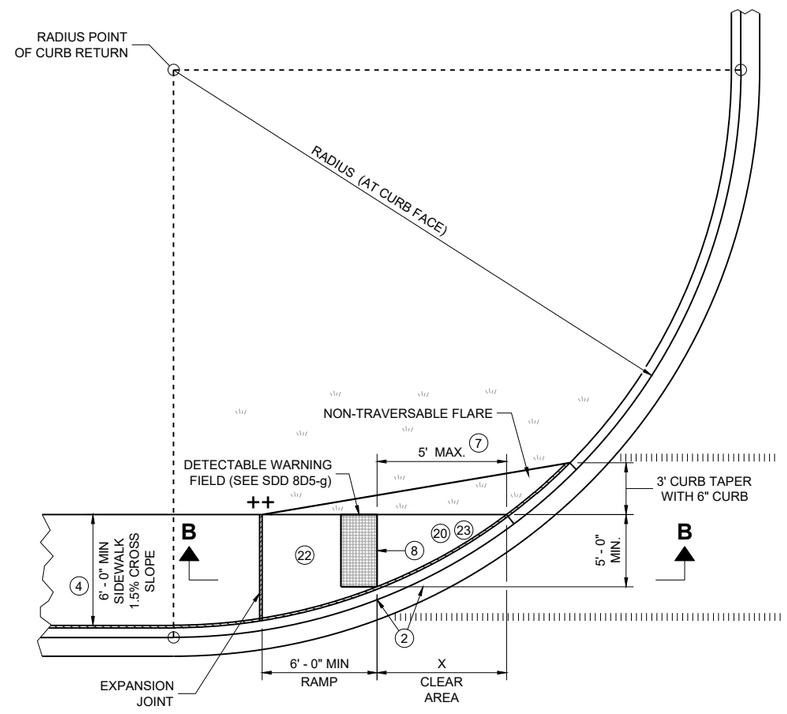
SECTION C - C FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1



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



PLAN VIEW

CURB RAMP TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

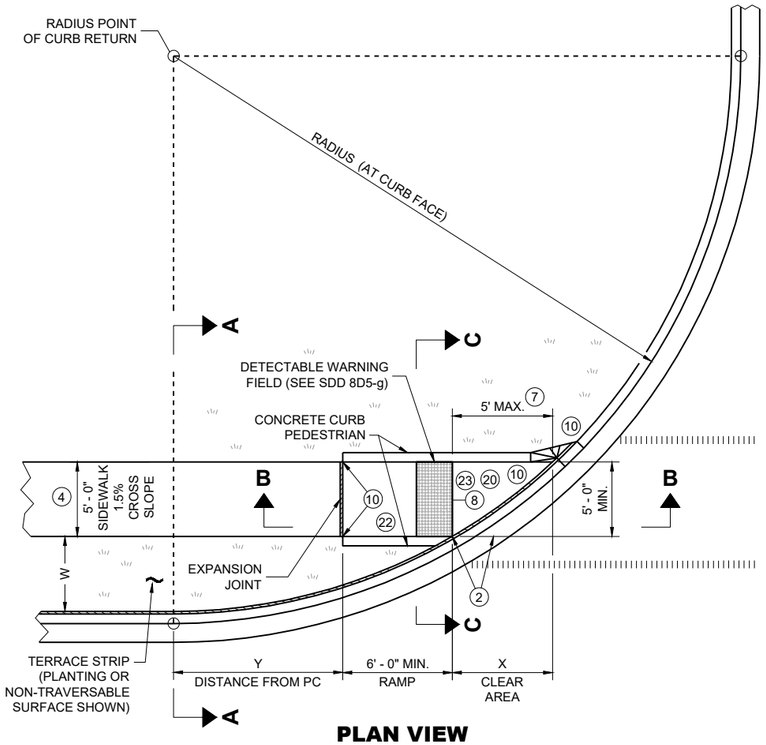
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

6

SDD 08D05-22c

SDD 08D05-22c



PLAN VIEW
CURB RAMP TYPE 4B

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

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

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

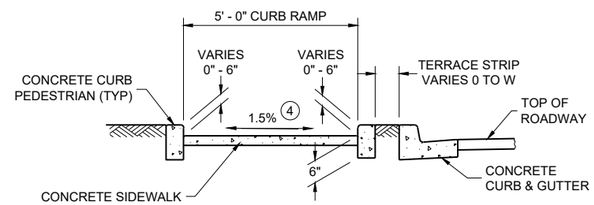
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

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

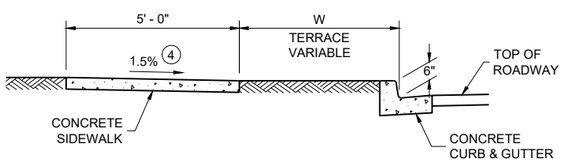
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

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

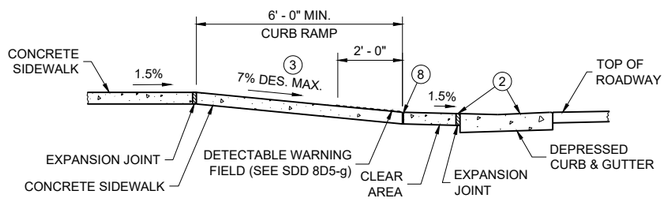
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



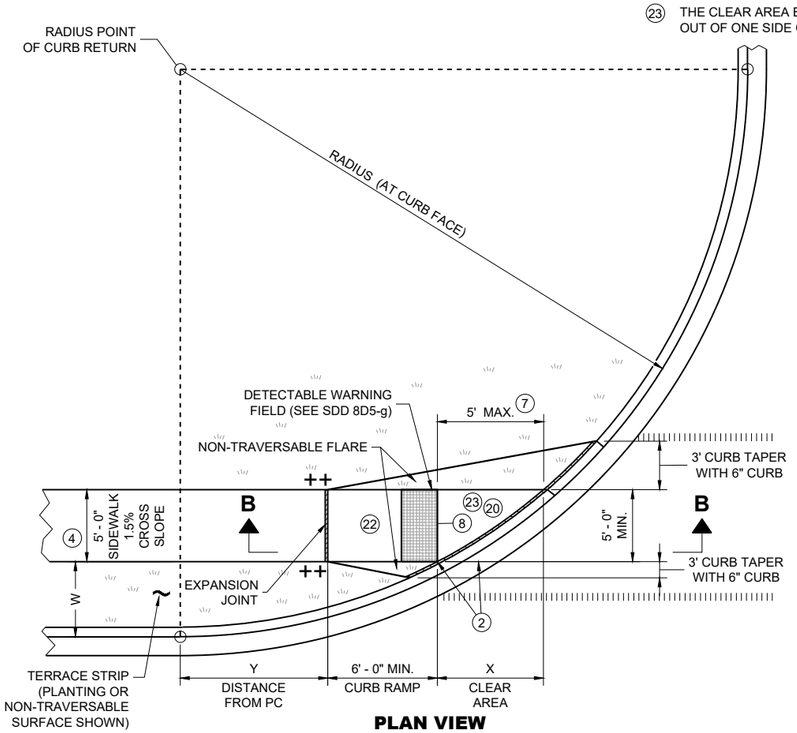
SECTION C - C FOR TYPE 4B



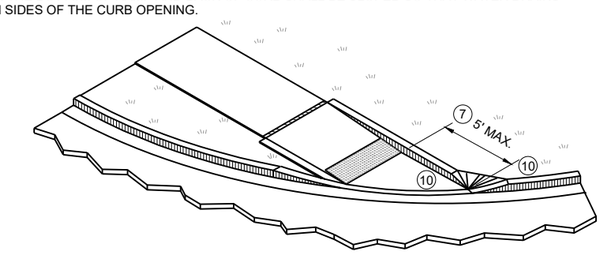
SECTION A - A FOR TYPE 4B



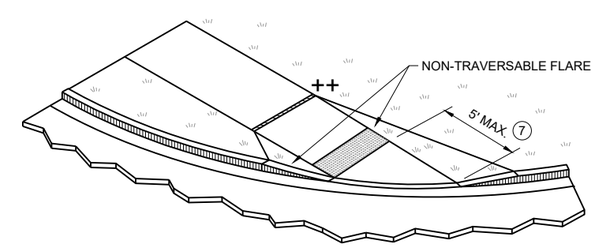
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



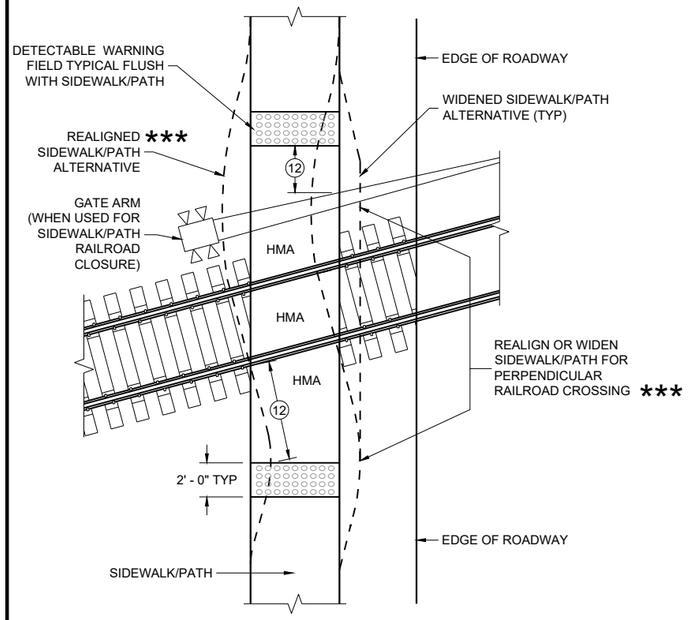
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

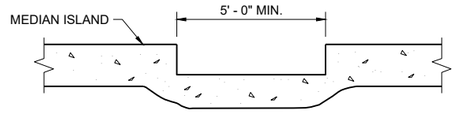
6

SDD 08D05-22d

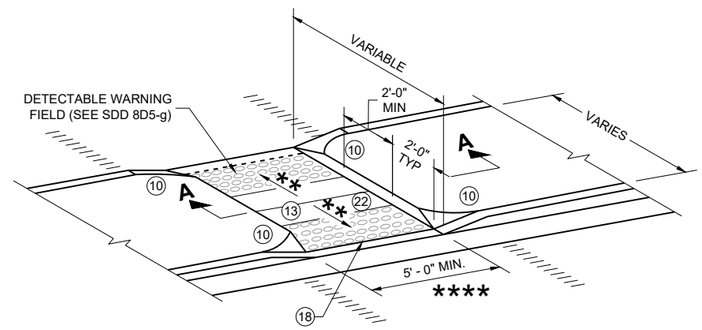


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS

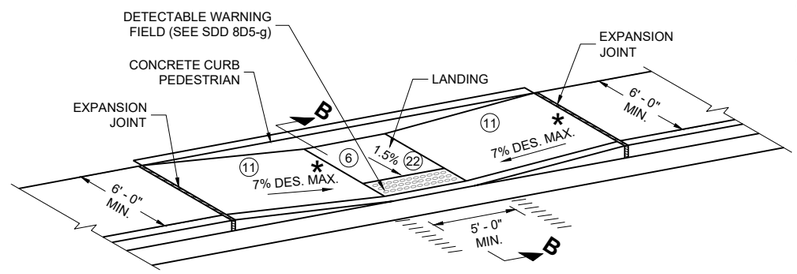


SECTION A - A FOR TYPE 5



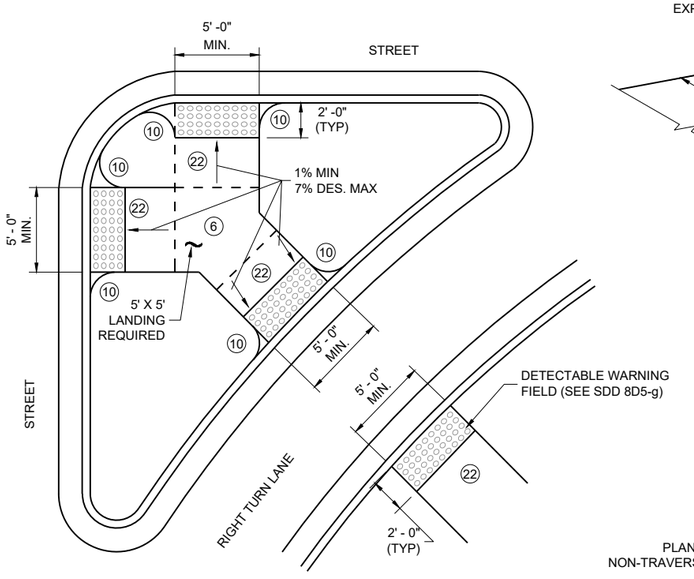
CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING



CURB RAMP TYPE 7A

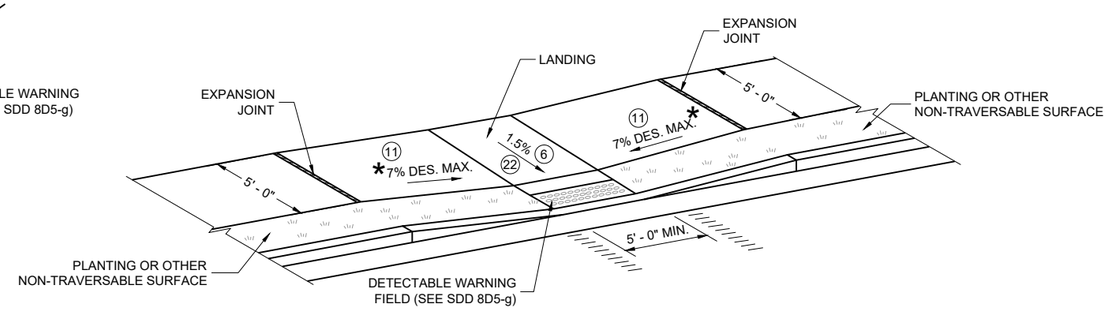
FOR INTERSECTIONS AND MID BLOCK CROSSINGS



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

GENERAL NOTES

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

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

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

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

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

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

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

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

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

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

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

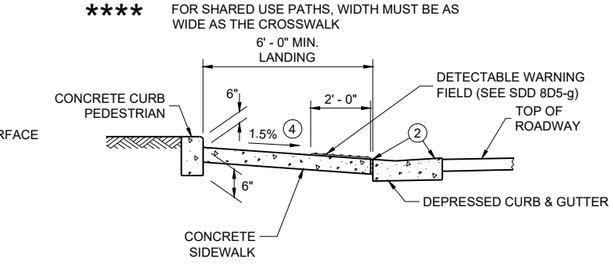
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

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

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

LEGEND

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



SECTION B - B FOR TYPE 7A

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

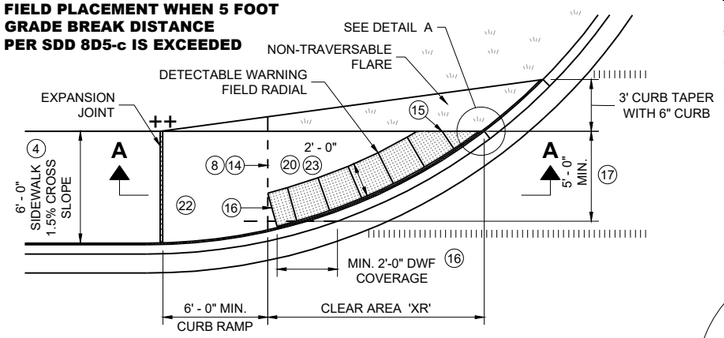
6

6

SDD 08D05-22e

SDD 08D05-22e

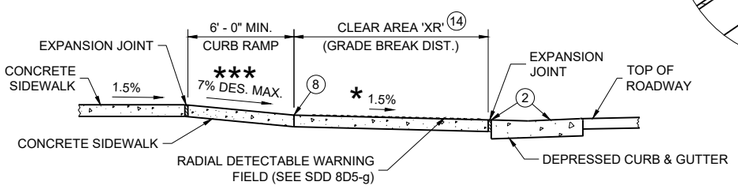
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

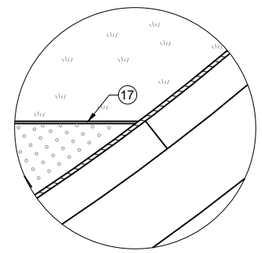
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



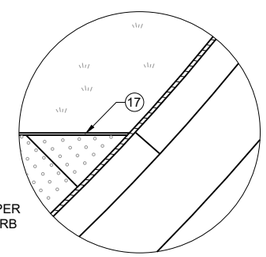
SECTION A - A FOR TYPE 4A1

LEGEND

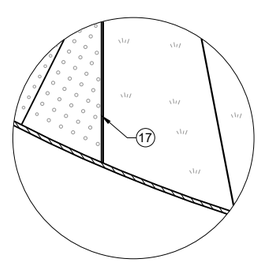
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS
- *** MAXIMUM 8.3%
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A



DETAIL B



DETAIL C

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

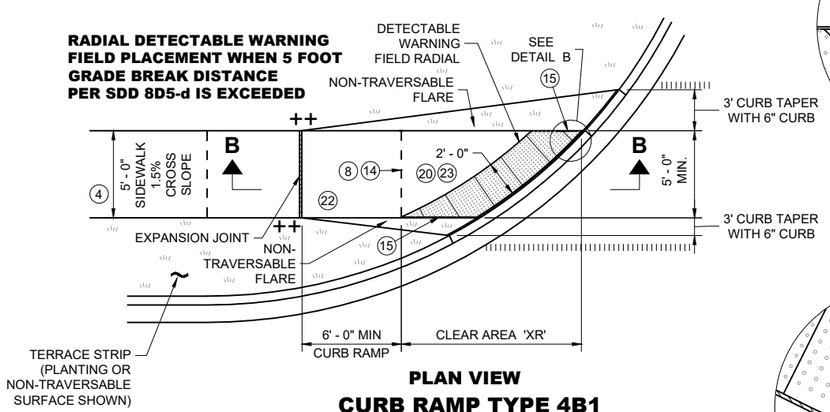
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

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

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

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

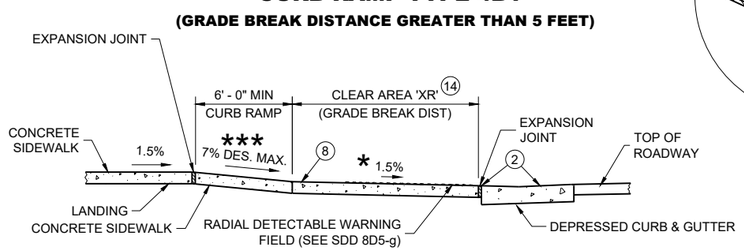
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



PLAN VIEW

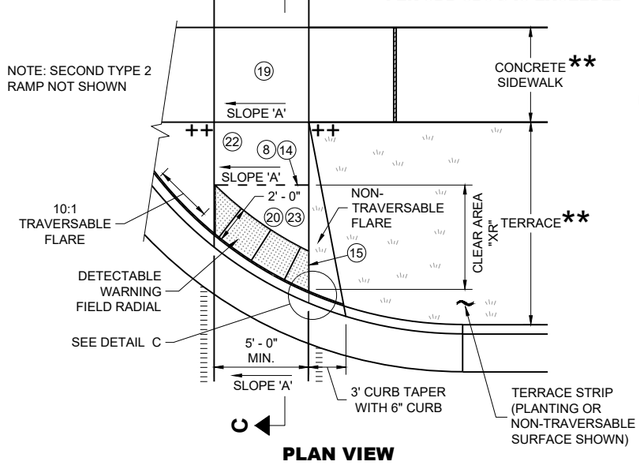
CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

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

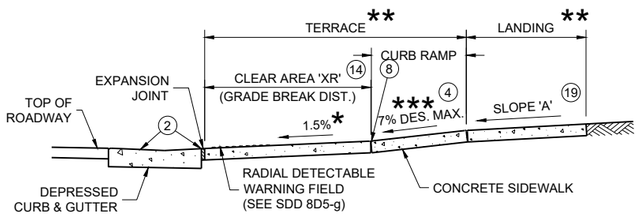


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

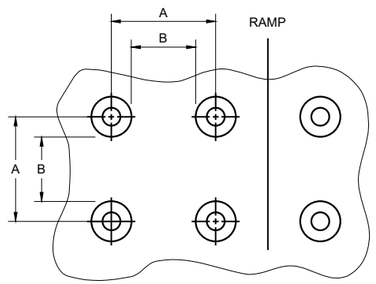
6

SDD 08D05-22f

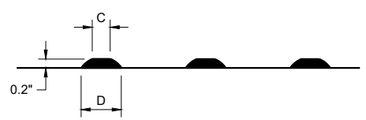
SDD 08D05-22f

	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.

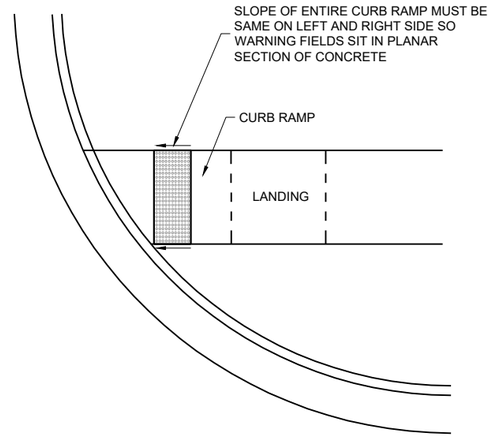


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



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.

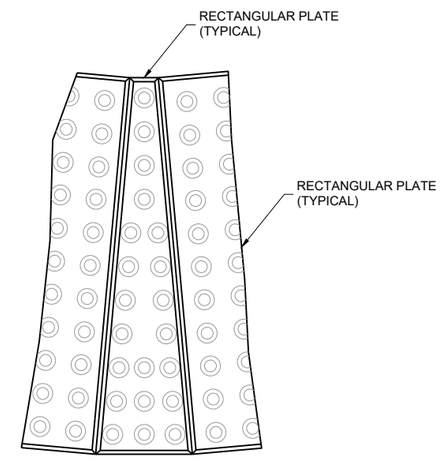
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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.

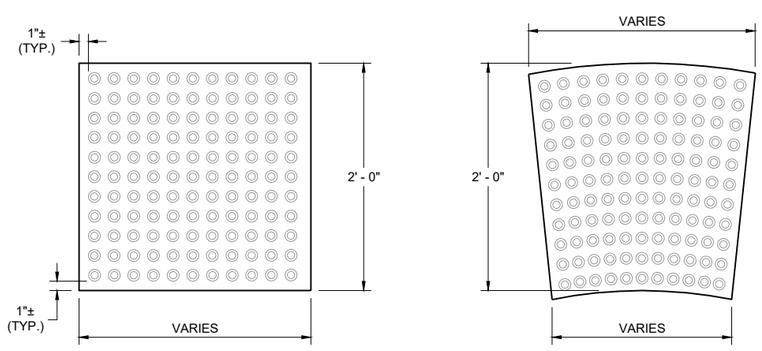
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

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.

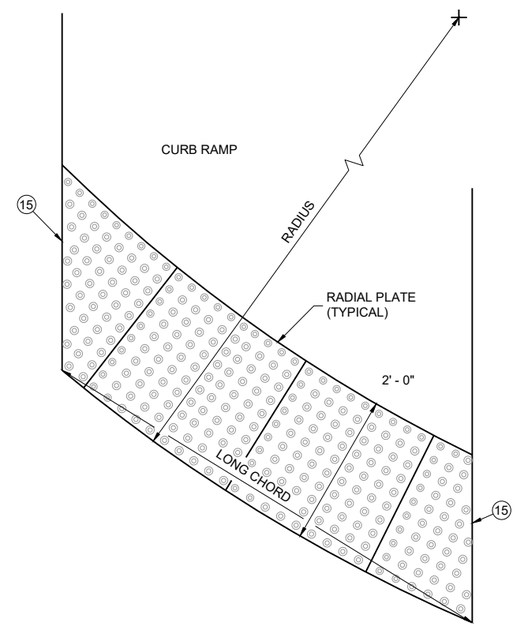


PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL



RECTANGULAR PLATES **RADIAL PLATES**

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES

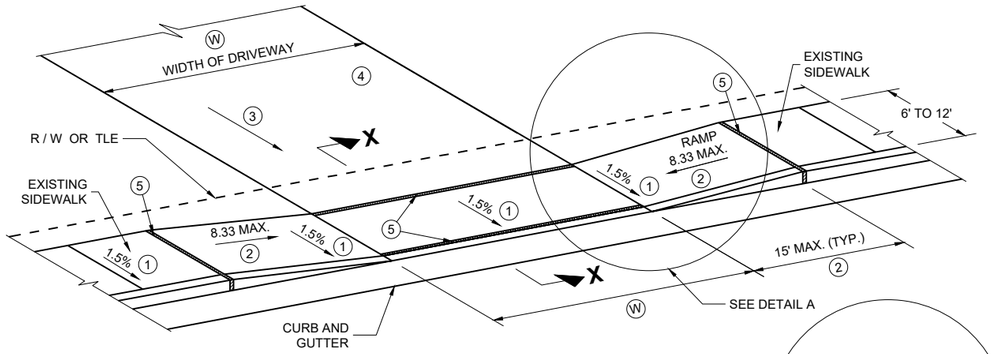
CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

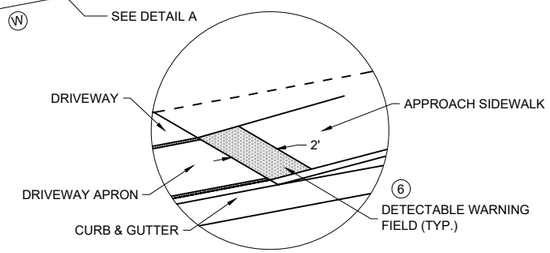
APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>
FHWA

6

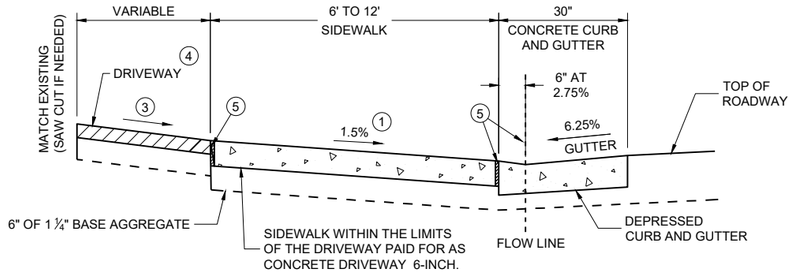
SDD 08D05-22g



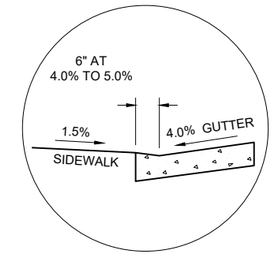
TYPE X
SIDEWALK ABUTS CURB AND GUTTER
TERRACE VARIES 0 TO 3 FEET



DETAIL A



SECTION X - X



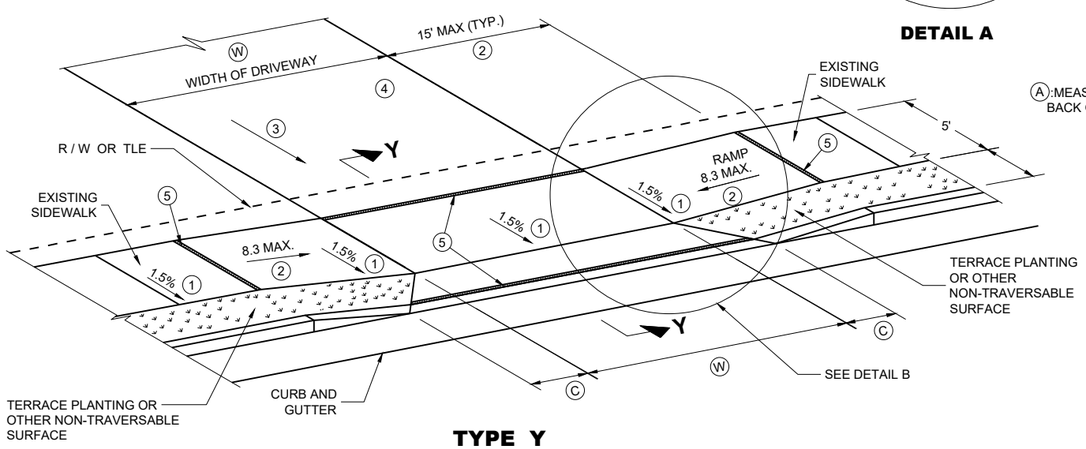
SECTION X - X
4% GUTTER SLOPE

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

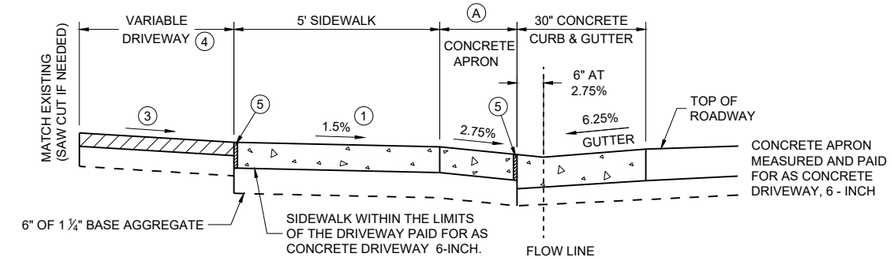
16' MIN. - 35' MAX. COMMERCIAL (CE)

TABLE Y

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

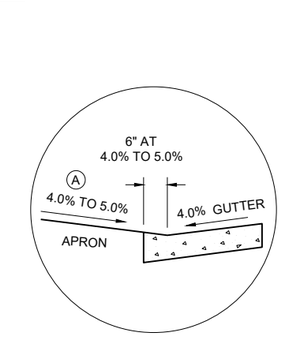


TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET



NOTE: SIDEWALK MY BE DEPRESSED IN DRIVEWAY AREAS

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



SECTION Y - Y
4% GUTTER SLOPE

GENERAL NOTES

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

Ⓦ IS SHOWN ON PLAN AND PROFILE SHEETS.

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

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

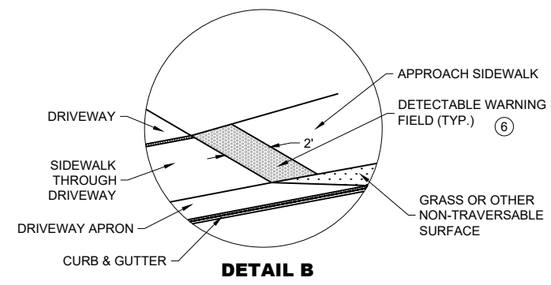
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL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

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

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

(5) 1/2" EXPANSION JOINT FILLER

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



DETAIL B

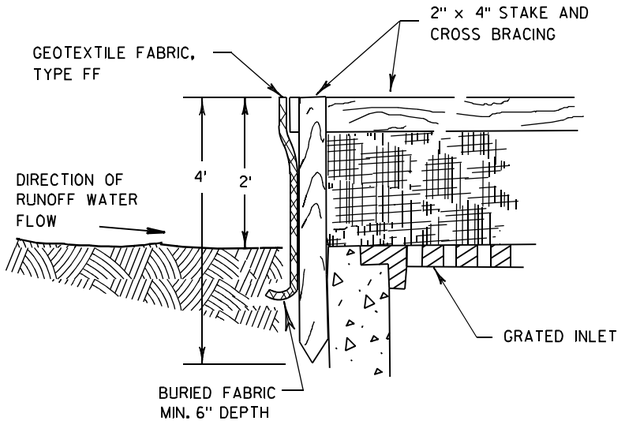
DRIVEWAY AND SIDEWALK RAMPS TYPES X AND Y

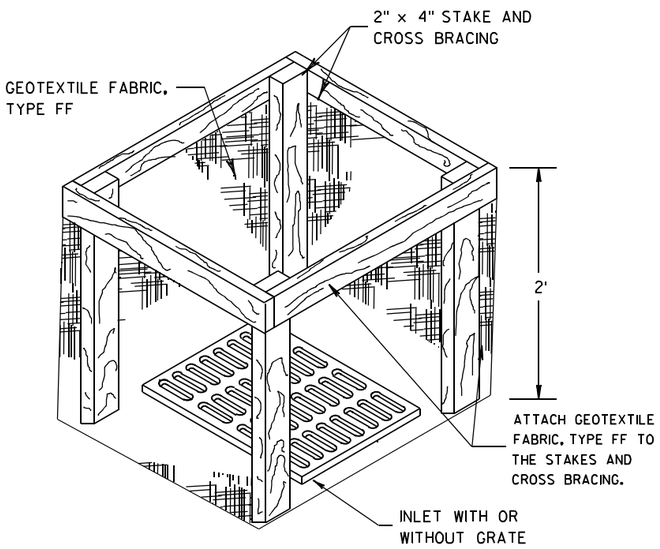
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 /S/ Rodney Taylor
DATE
FHWA

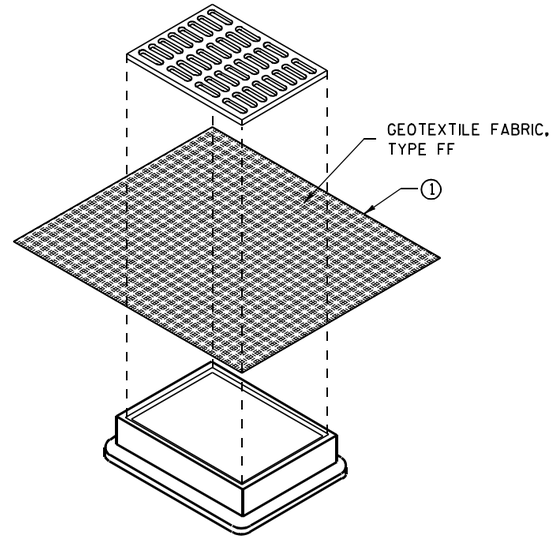
6

SDD 08D18-05



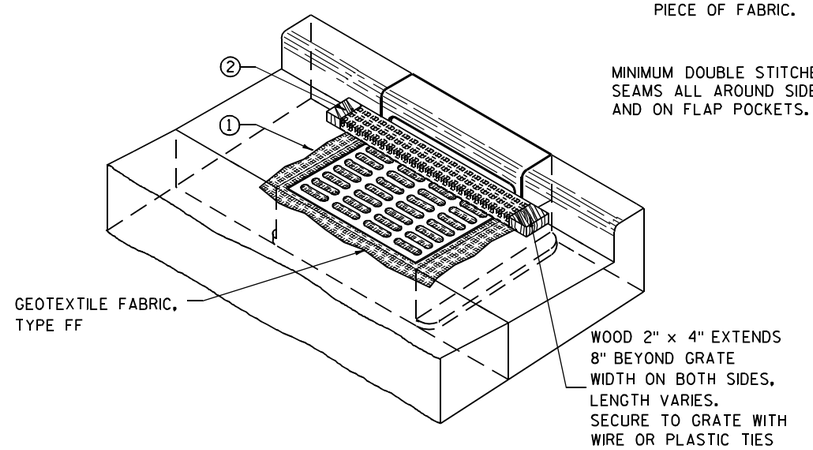


INLET PROTECTION, TYPE A

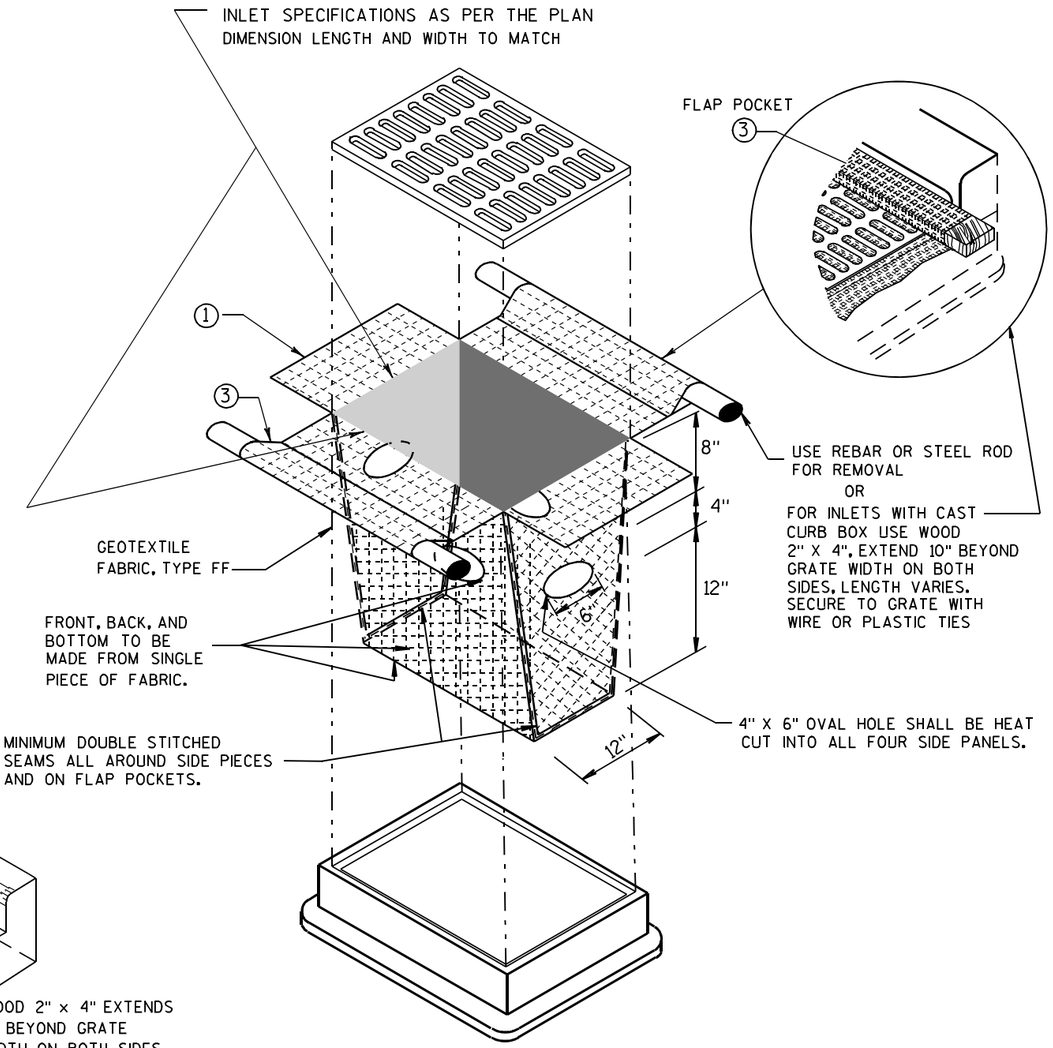


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 — DATE
/S/ Beth Cannatine
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 10-2

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.

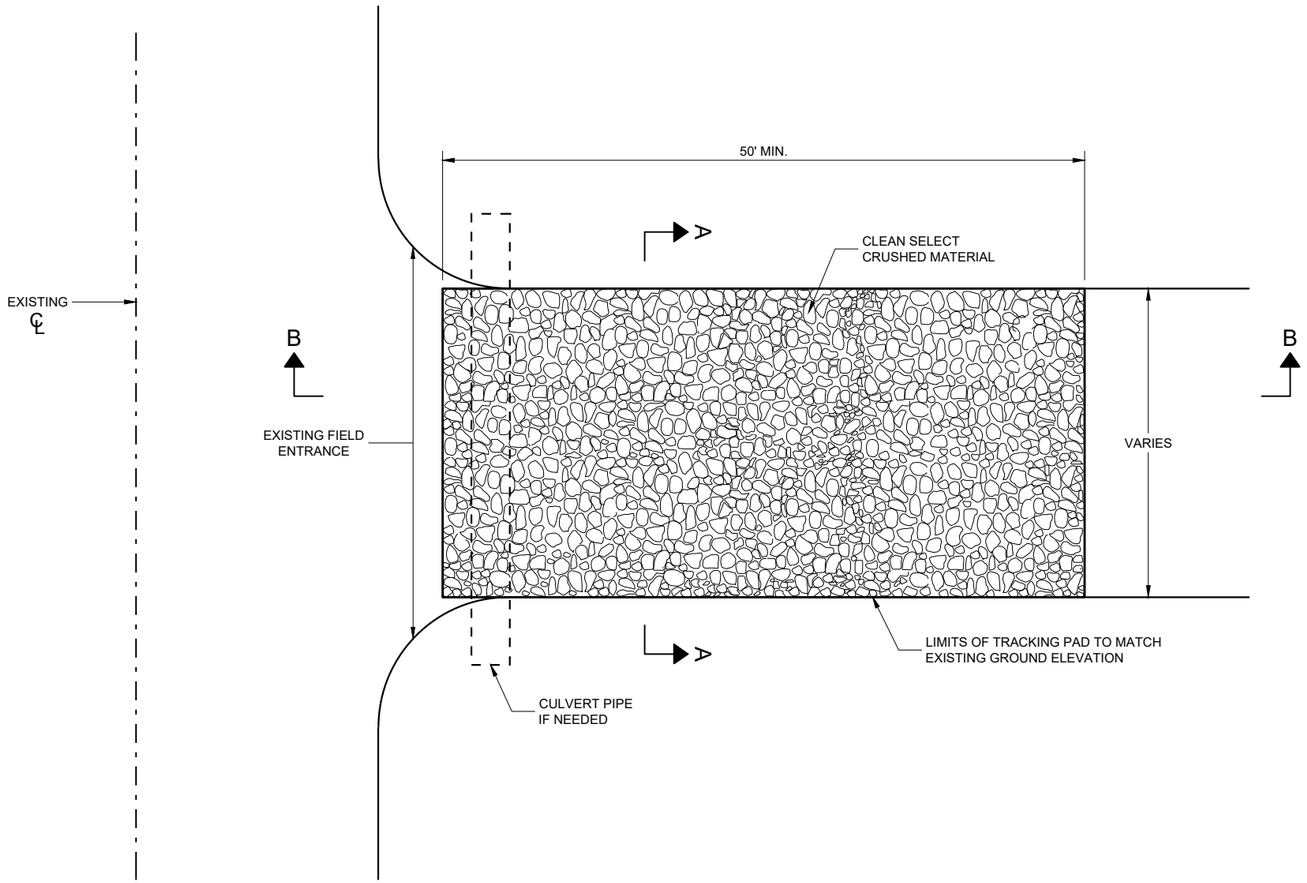
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

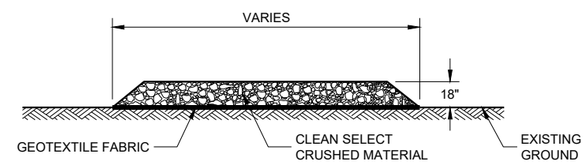
TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

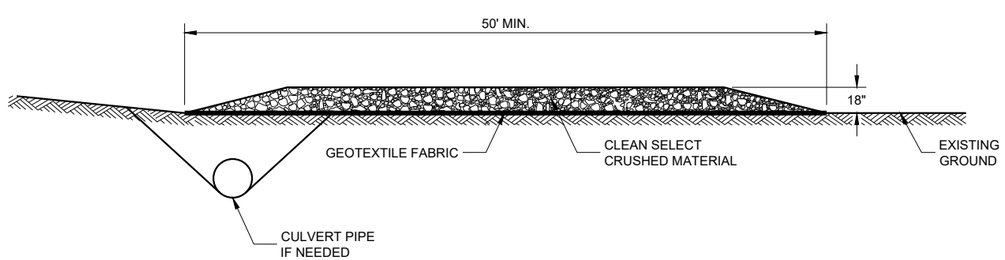
CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.





SECTION A - A



SECTION B - B

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

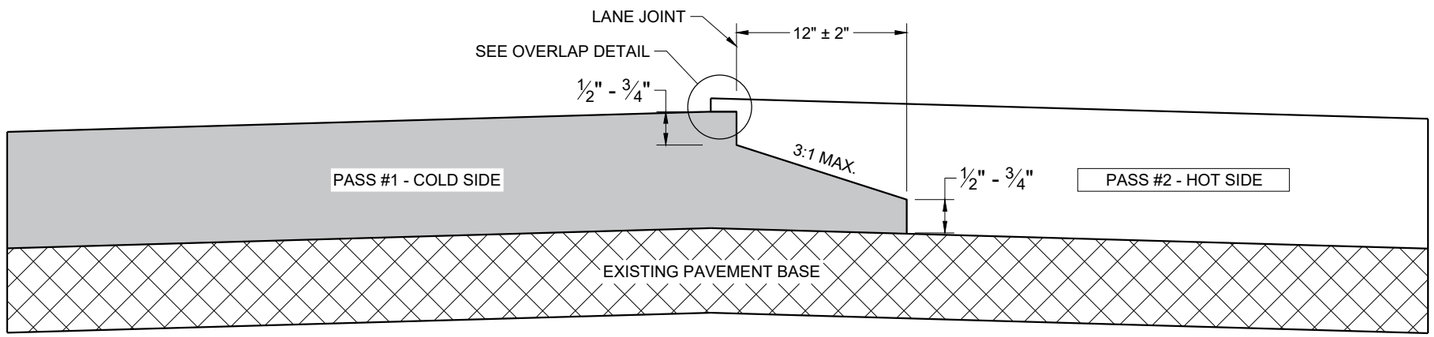
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVE ENGINEER
FHWA

6

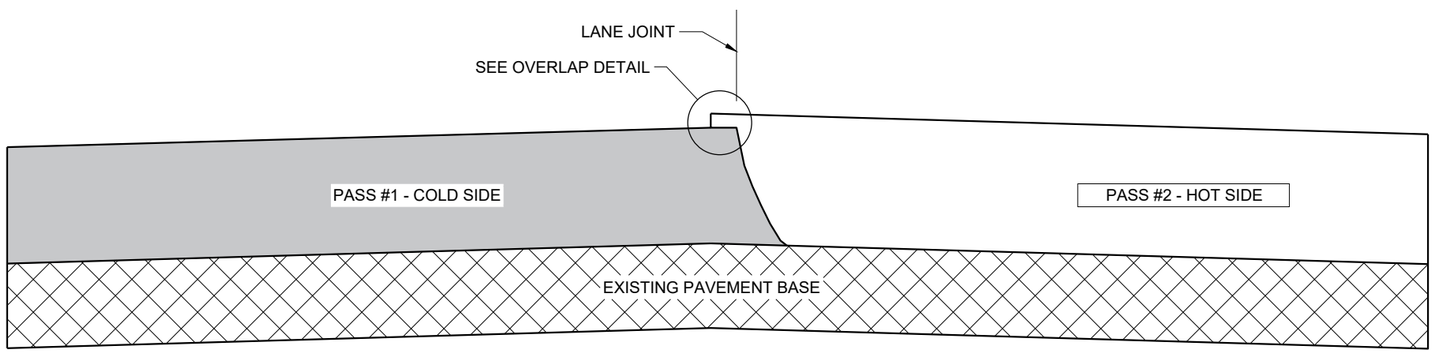
6

SDD 08E14 - 01

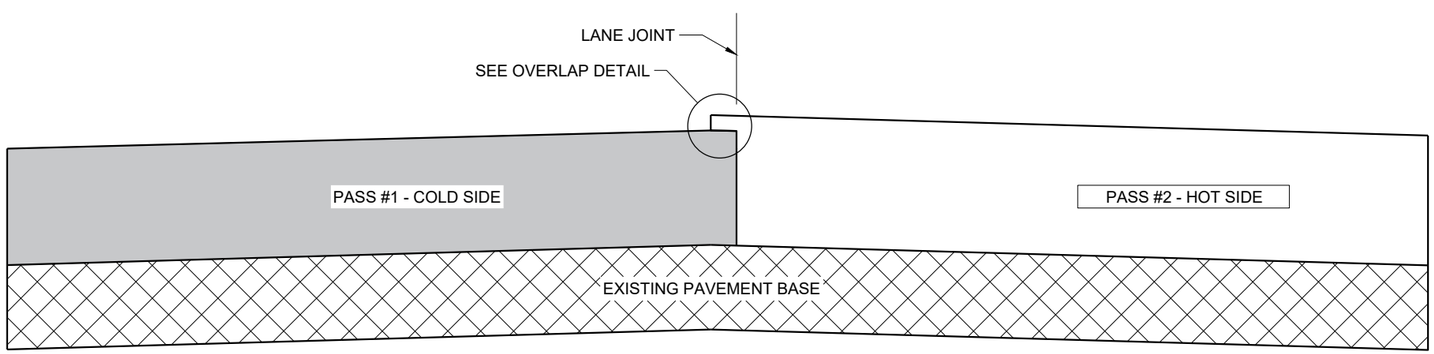
SDD 08E14 - 01



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

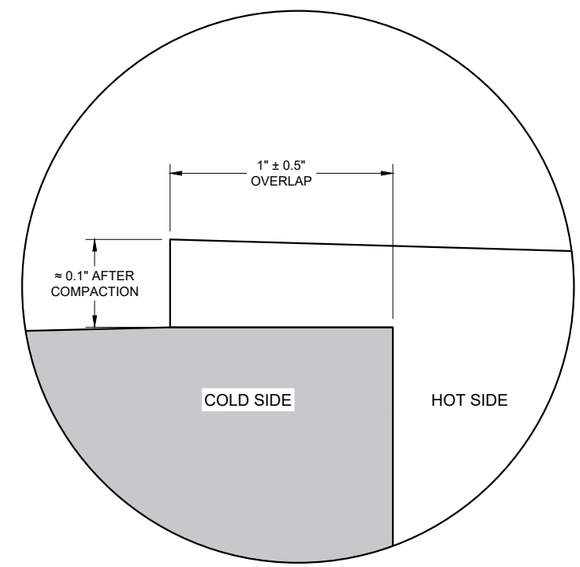
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

6

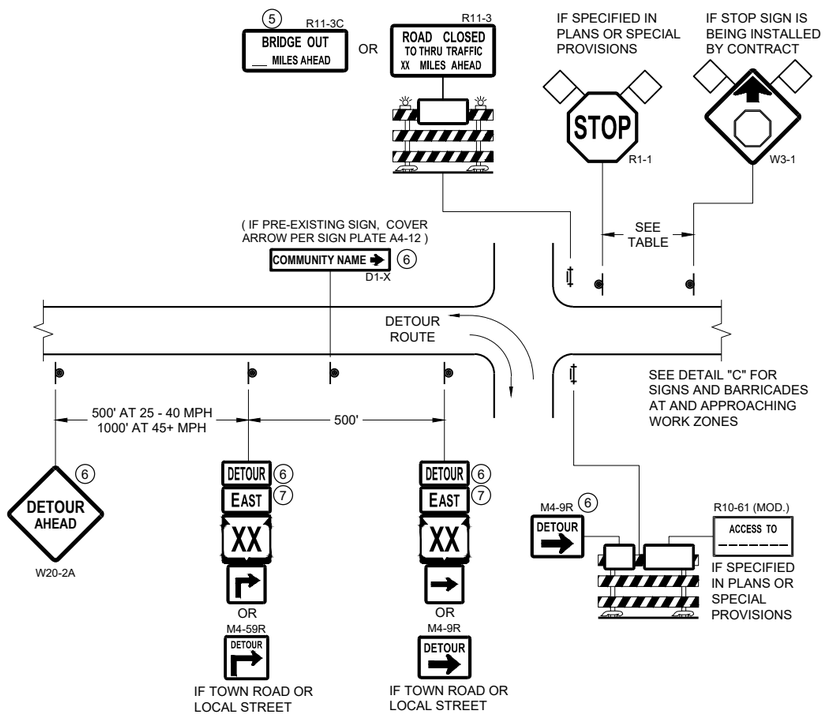
SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

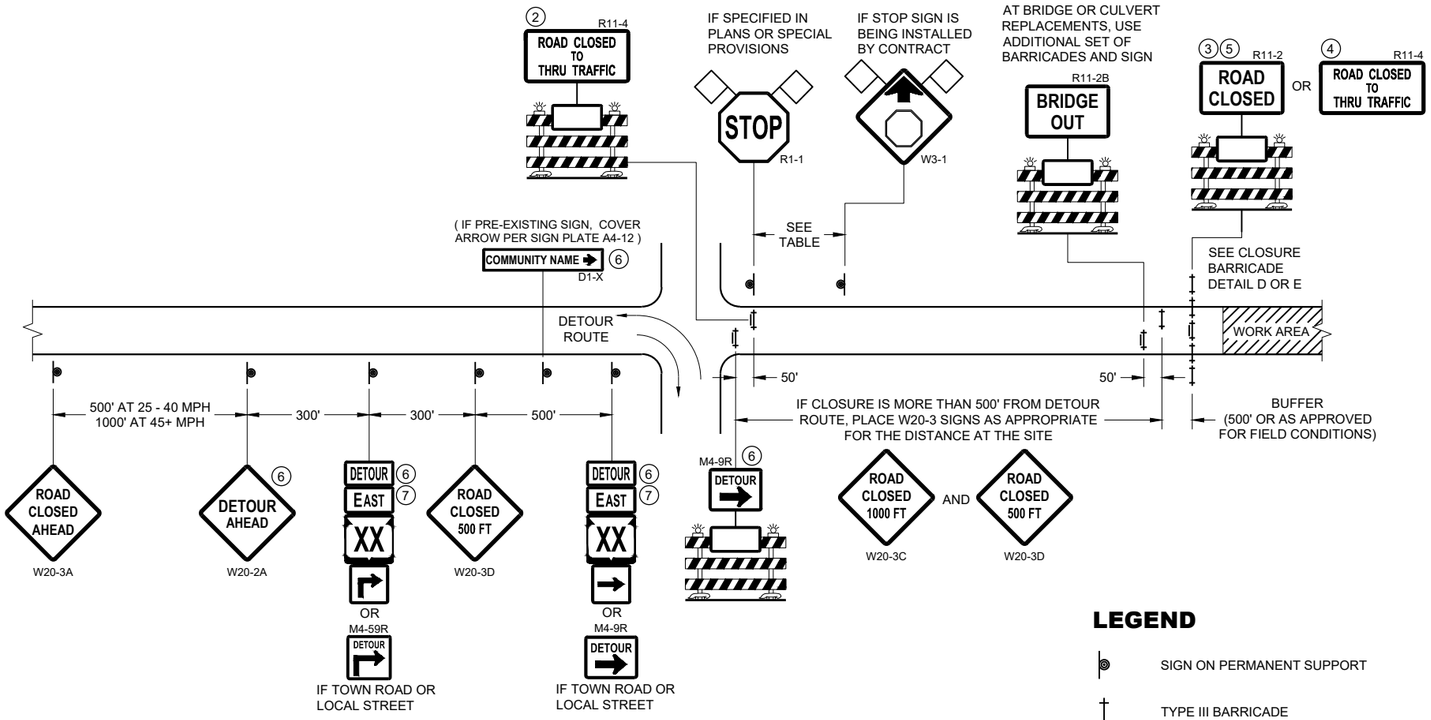
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020 /S/ Steven Hefel
DATE HMA PAVEMENT ENGIN
FHWA



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

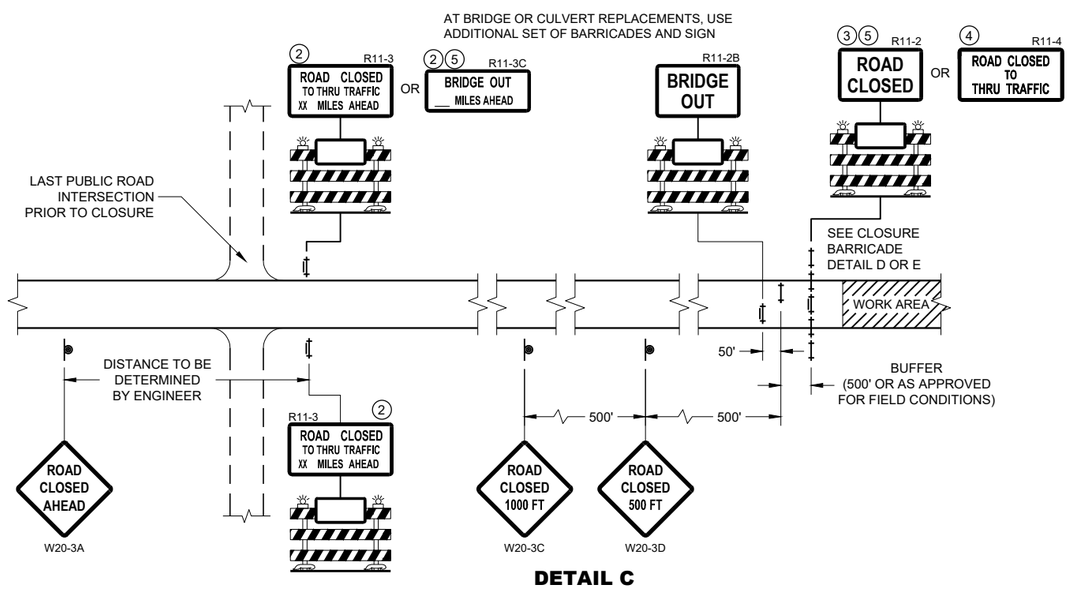


DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

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



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

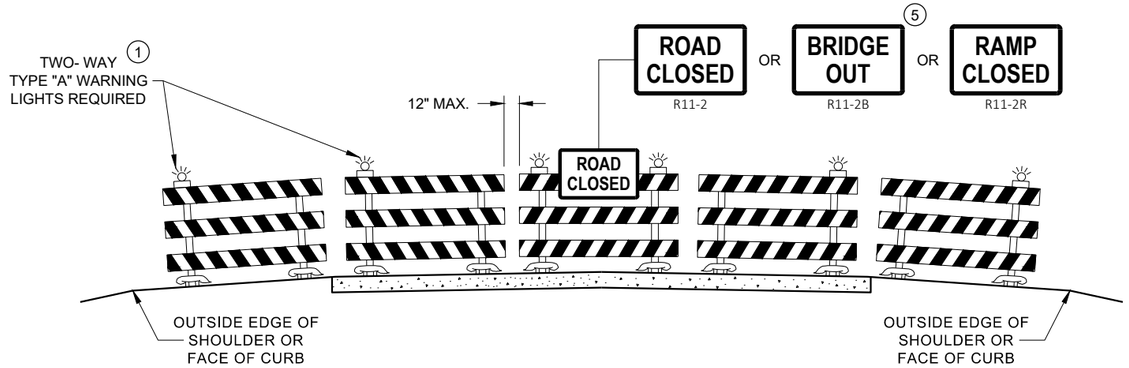
SEE SDD 15C2-SHEET "b" FOR GENERAL NOTES AND FOOTNOTES 1 THROUGH 7

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

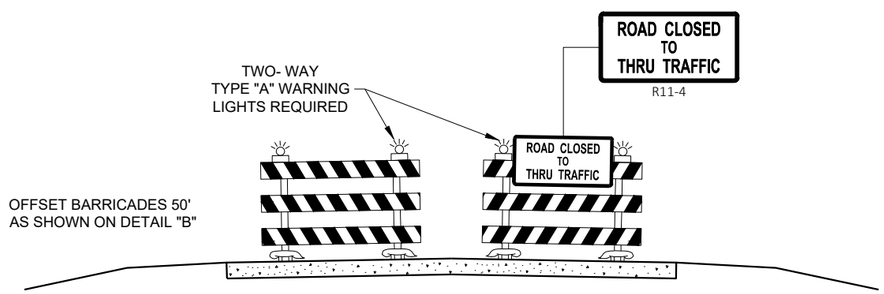
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER

FHWA



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

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 M4 - 8
- EAST 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.

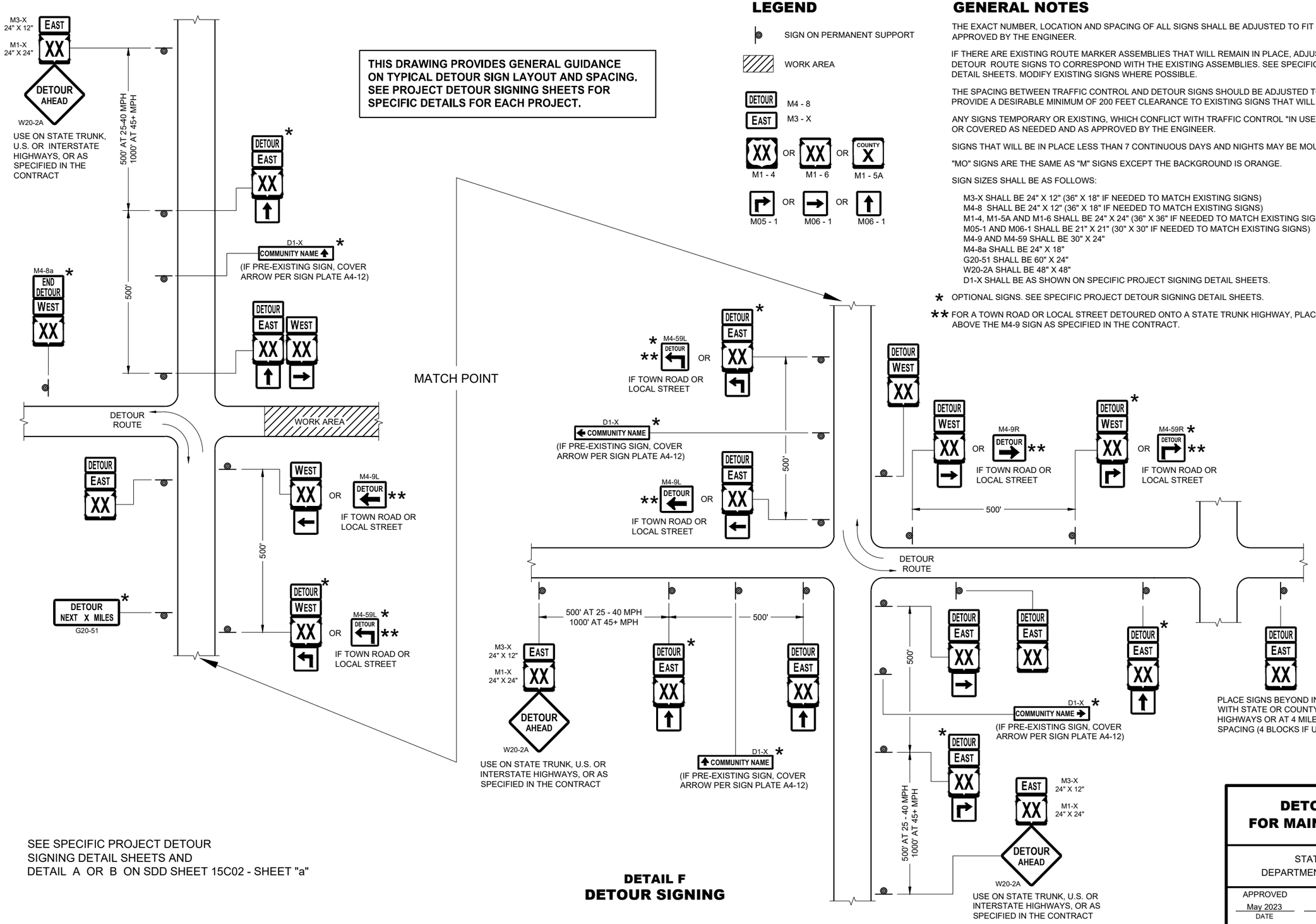
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

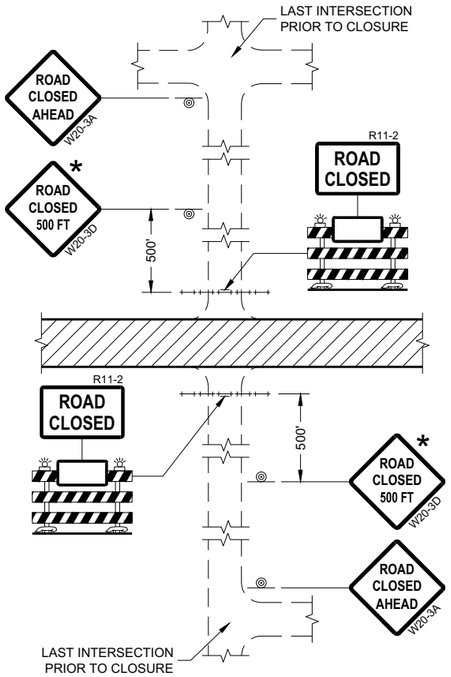
DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

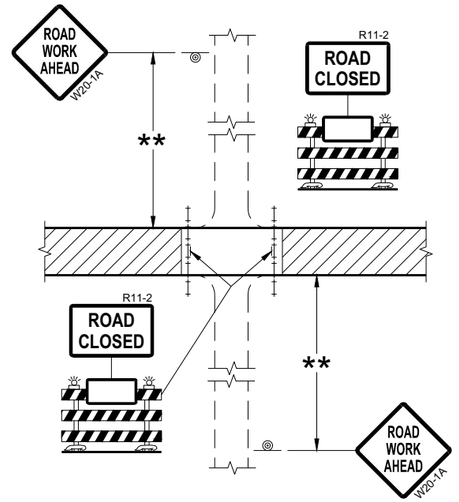
APPROVED
May 2023 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA

6

SDD 15C02 - 09c



DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

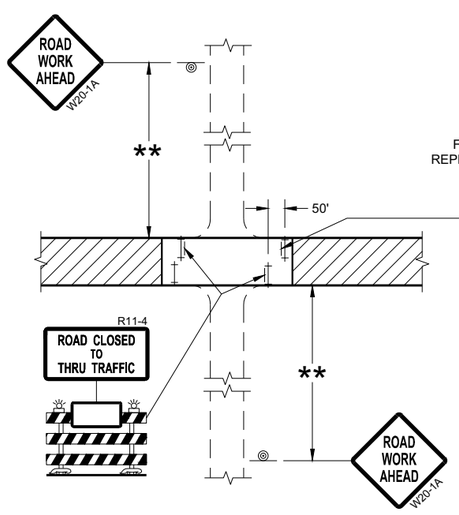
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

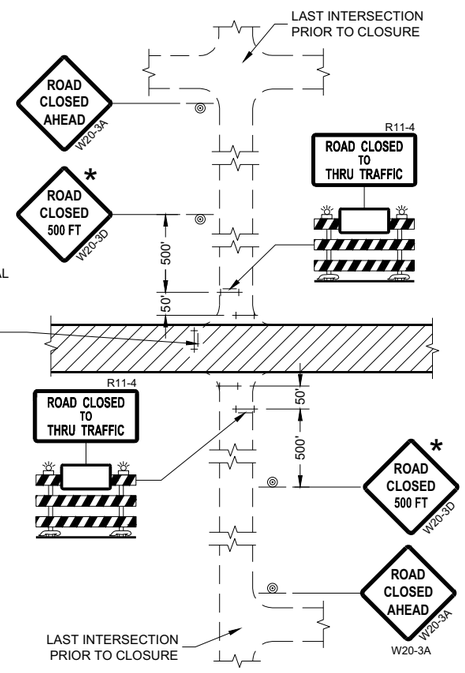
** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

FOR BRIDGE OR CULVERT
REPLACEMENT, USE ADDITIONAL
SIGN ON BARRICADE

BRIDGE OUT
XX MILES AHEAD
R11-3C



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

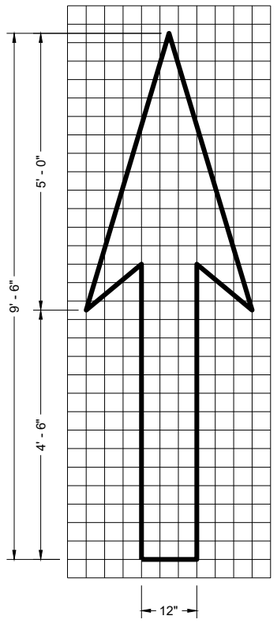
APPROVED
July 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEE
FHWA

6

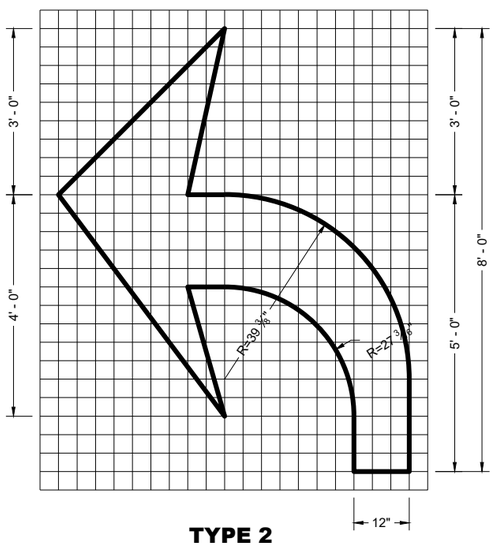
SDD 15C03 - 05

GENERAL NOTES

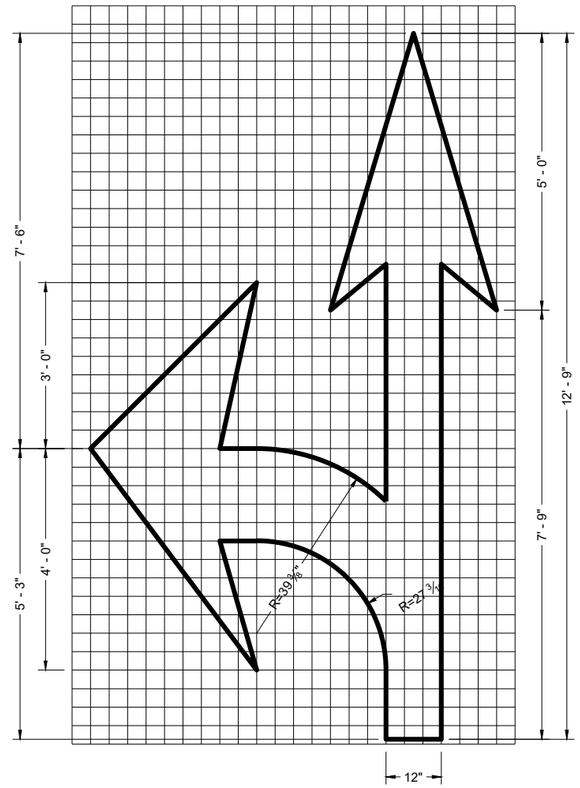
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



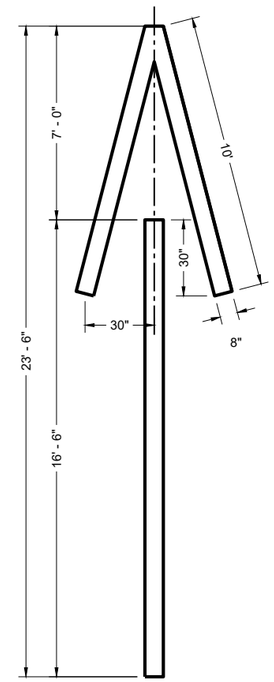
TYPE 1



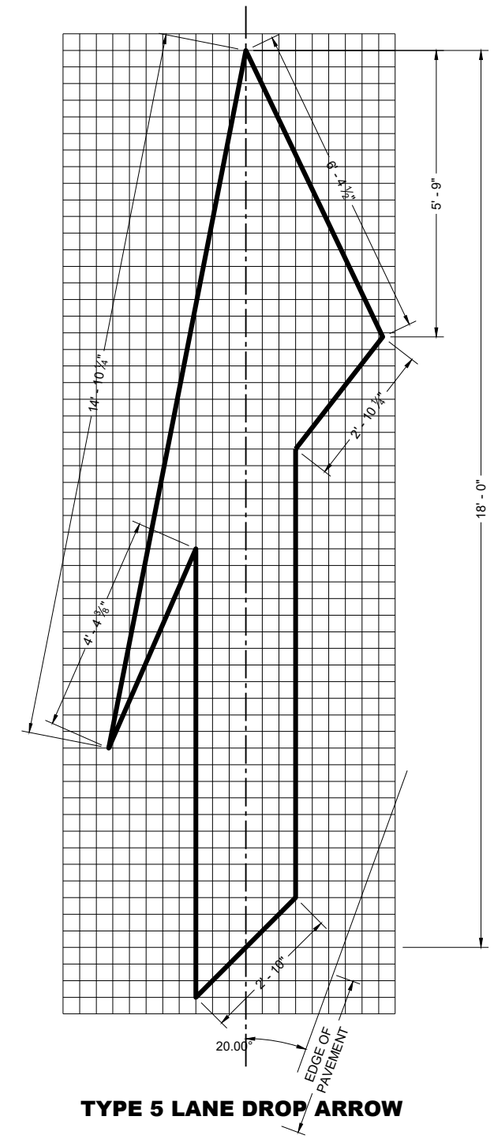
TYPE 2



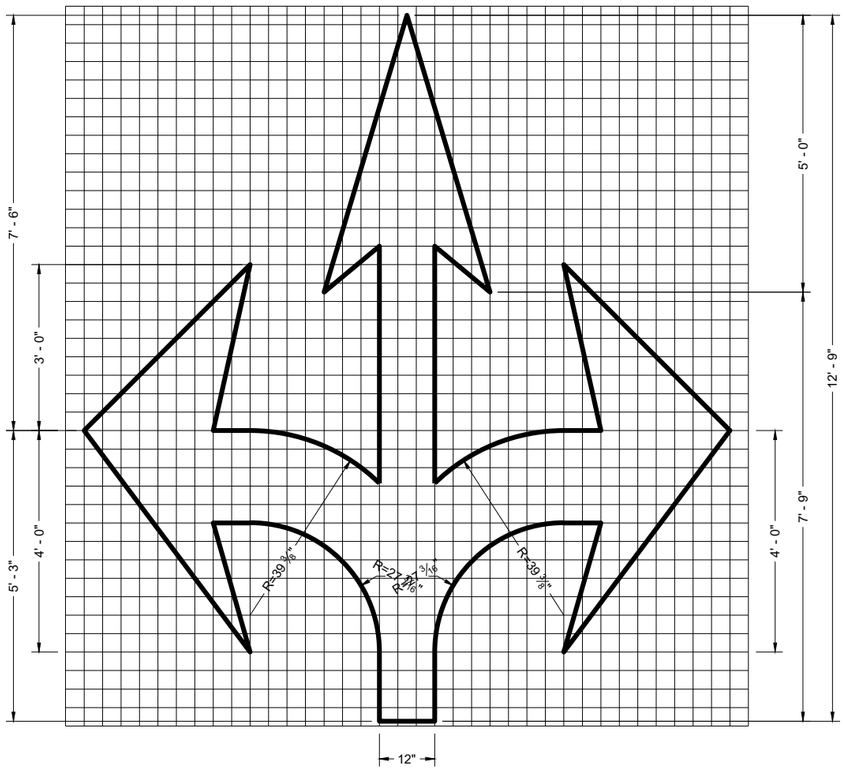
TYPE 3



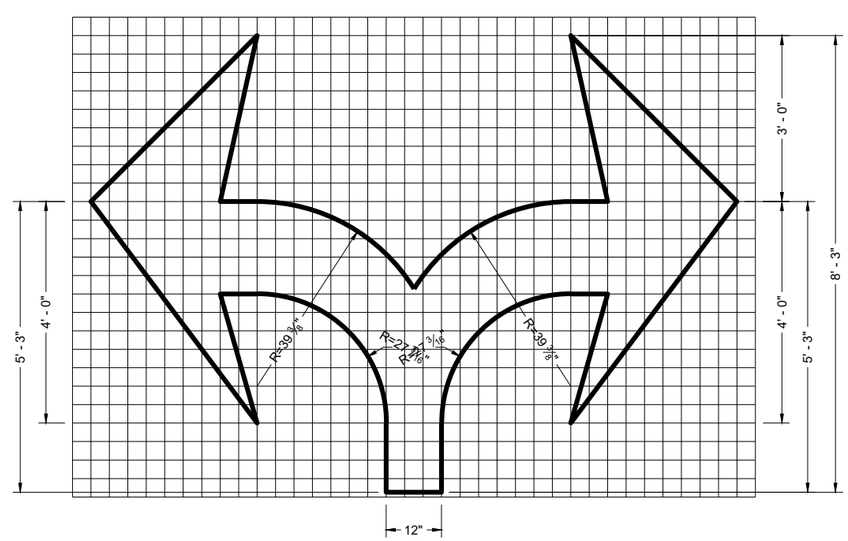
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

6

SDD 15C07-16c

PAVEMENT MARKING ARROWS

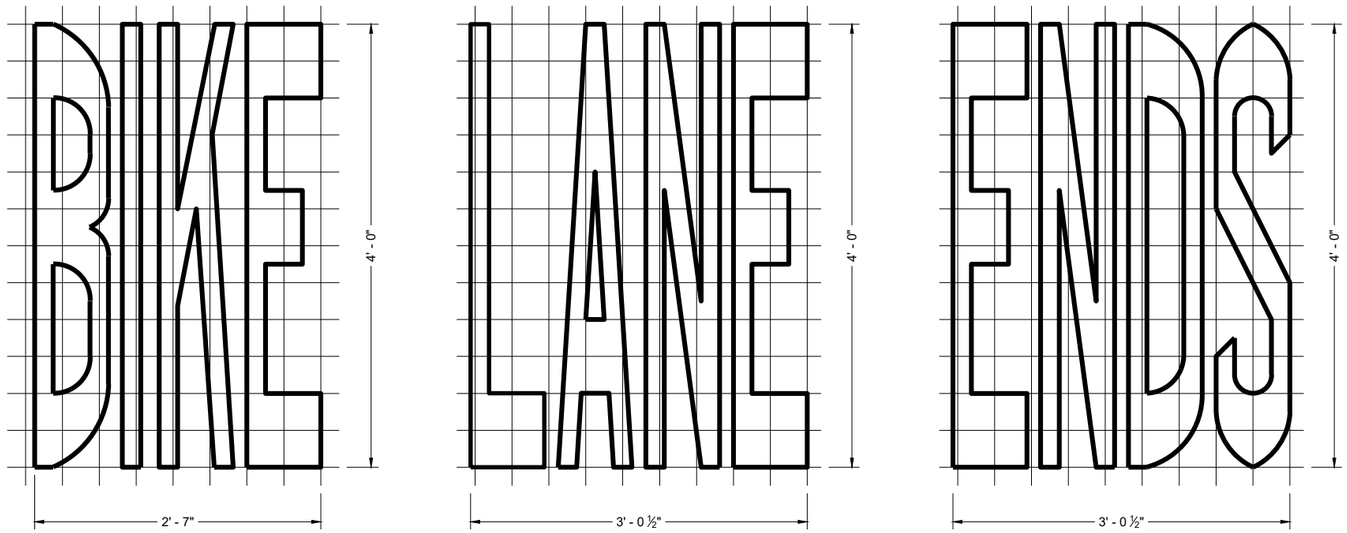
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

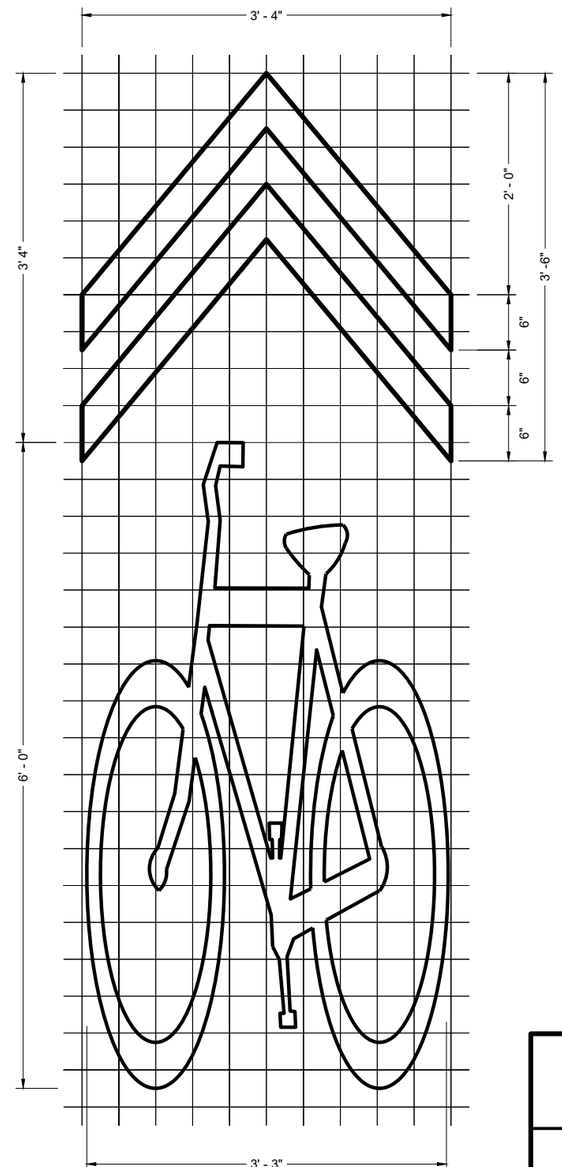
SDD 15C07-16c

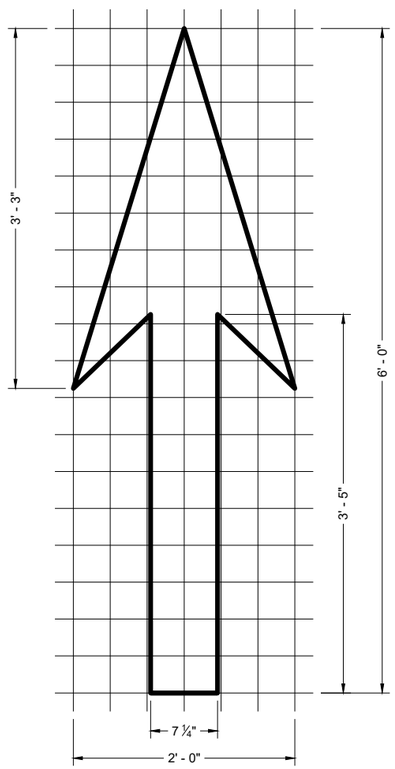


BIKE LANE WORDS

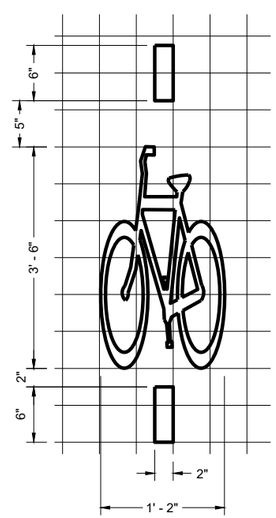
GENERAL NOTES

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.

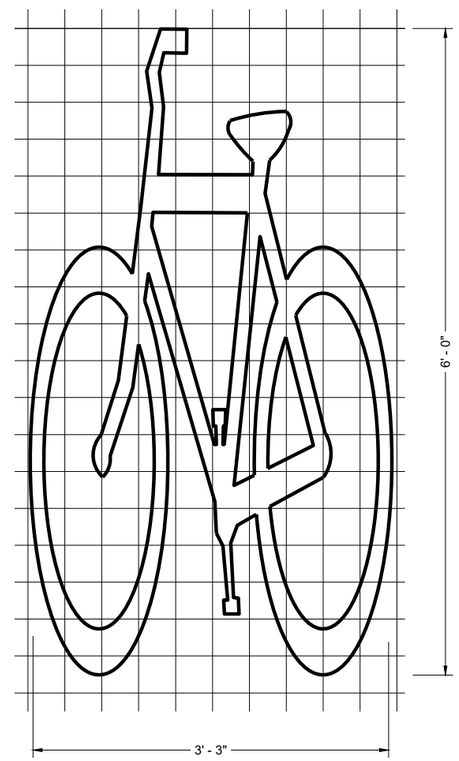




BIKE LANE ARROW



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 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6

SDD 15C07-16e

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

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

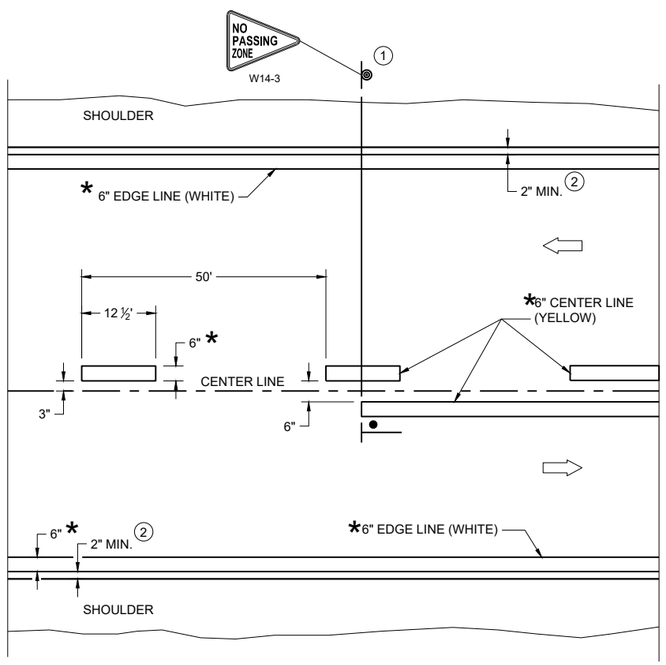
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

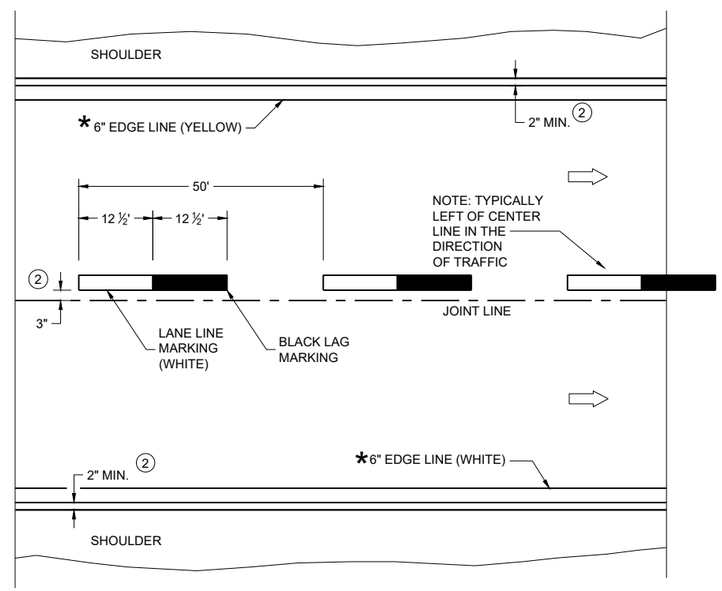
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

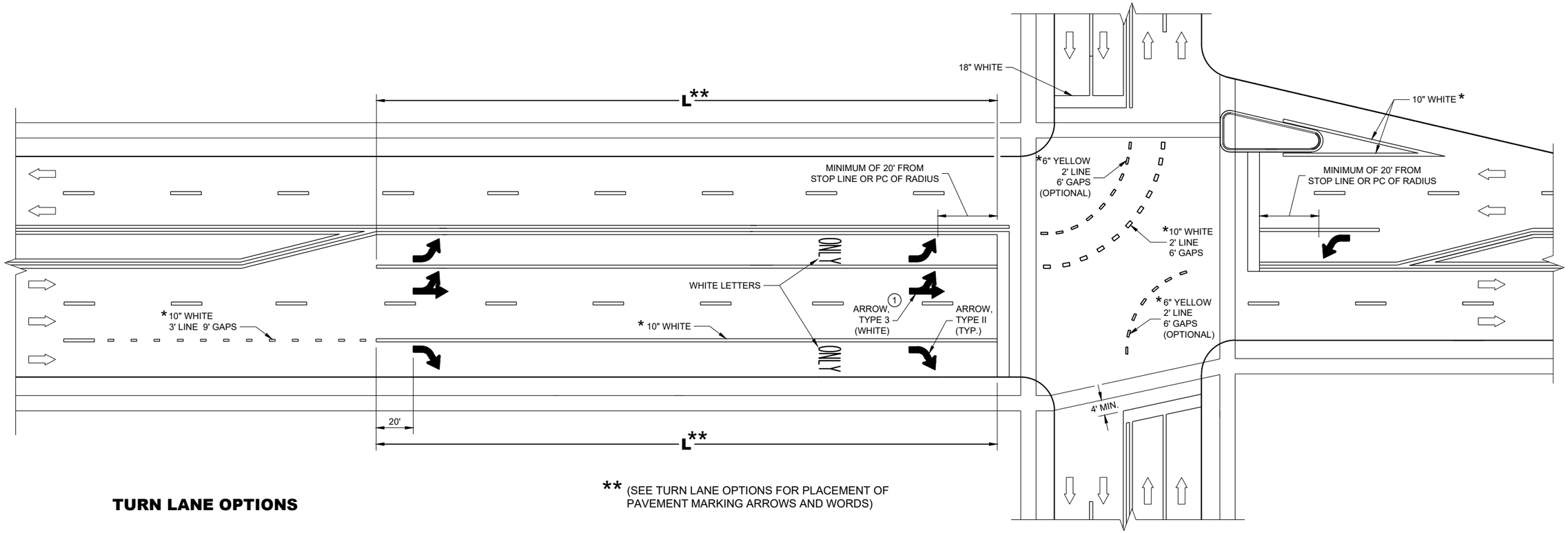
6

SDD 15C08-23a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

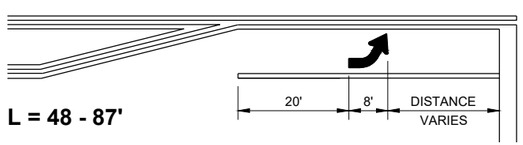
APPROVED
May 2023 — DATE
/S/ Jeannie Silver — Statewide Pavement Marking Engineer
FHWA

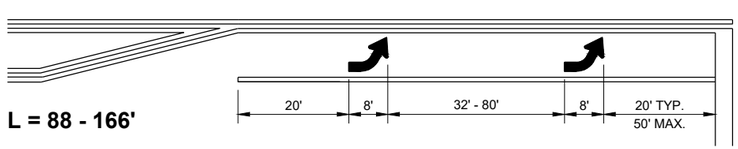


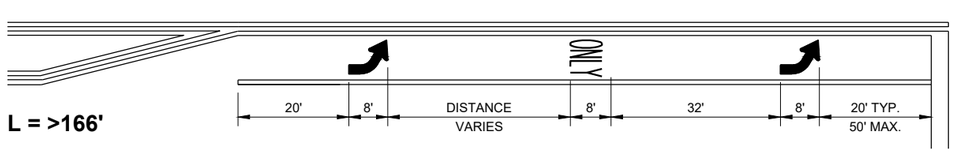
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

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)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTAT

6

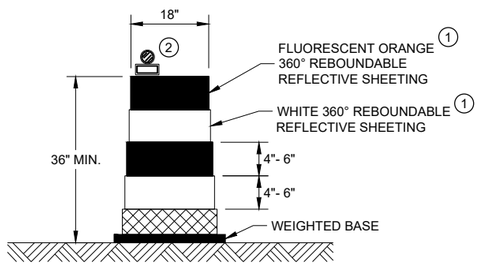
SDD 15C08-23d

6

SDD 15C08-23d

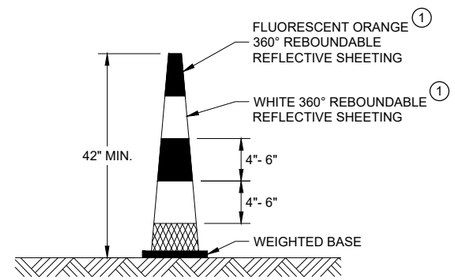
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

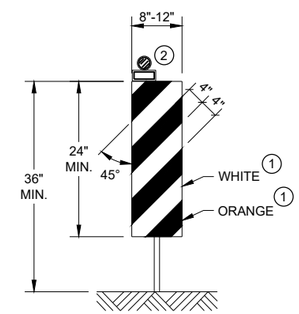
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

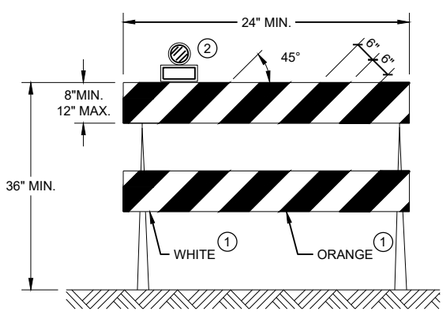
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



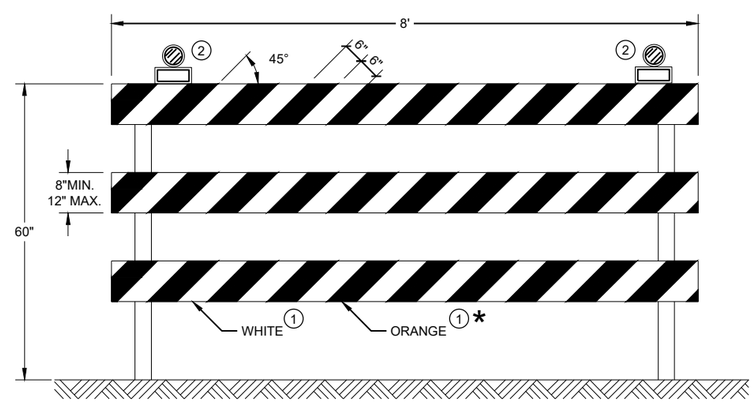
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

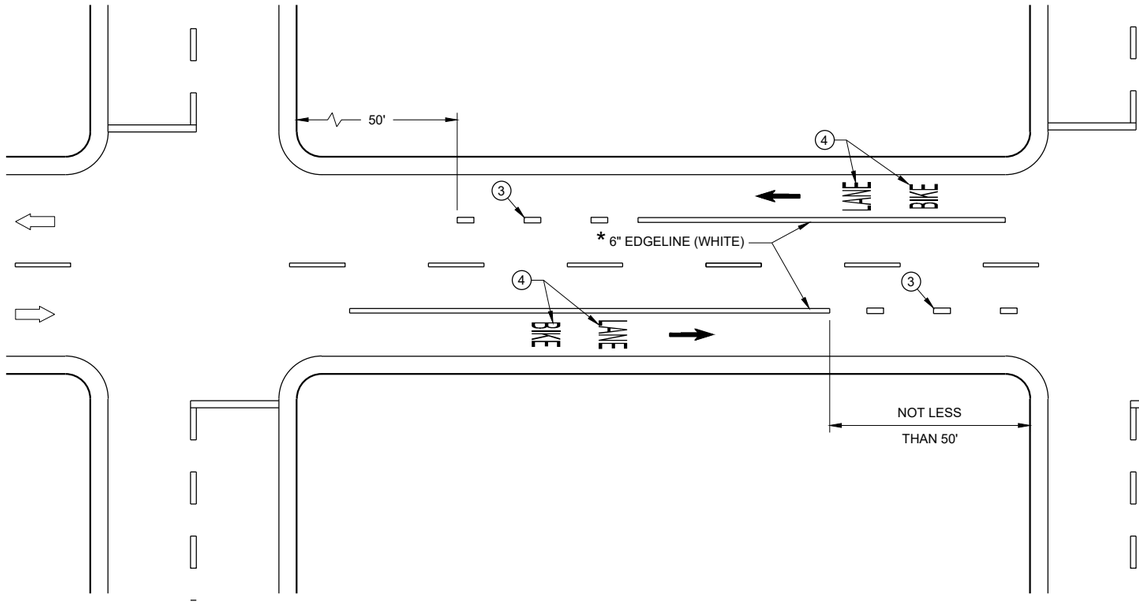
APPROVED
November 2022 — /S/ Andrew Heidtke
DATE — WORK ZONE ENGINEE
FHWA

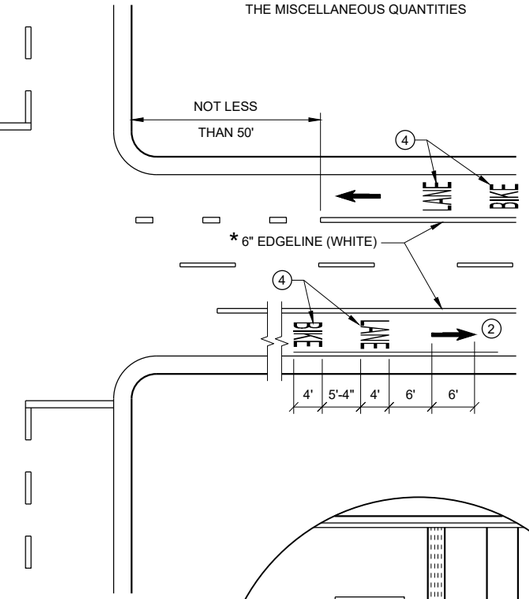
6

6

SDD 15C11 - 10b

SDD 15C11 - 10b





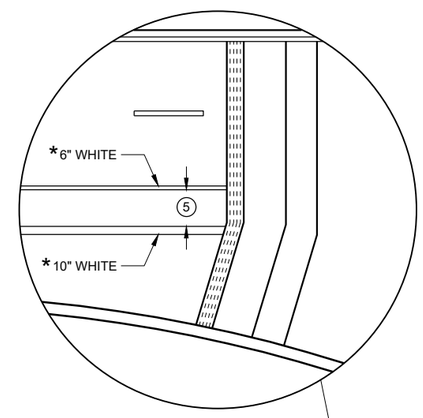
* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

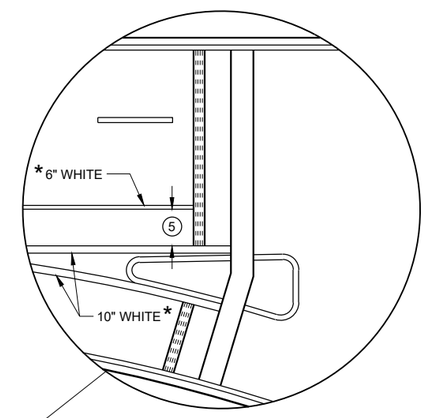
1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY 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

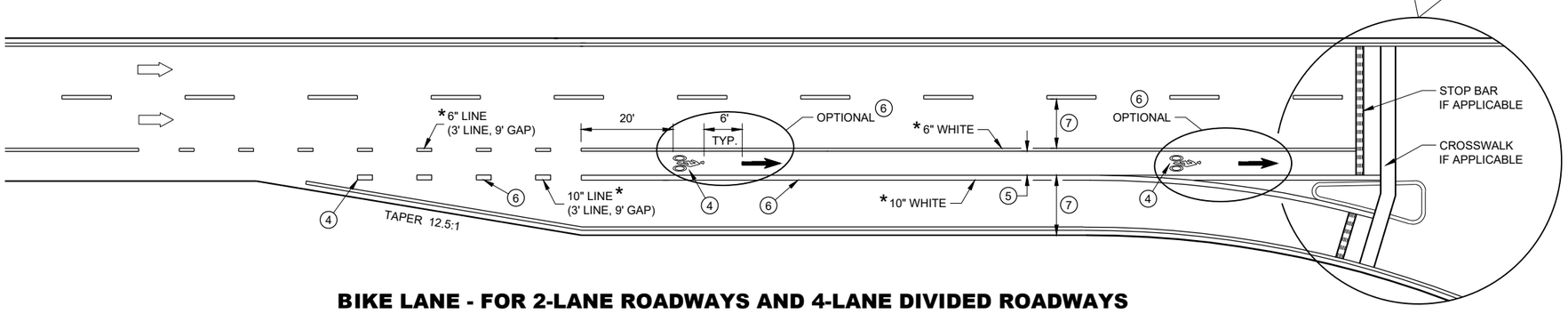
DESIGNATED BIKE LANE - NO PARKING



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

APPROVED
May 2023 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
FHWA

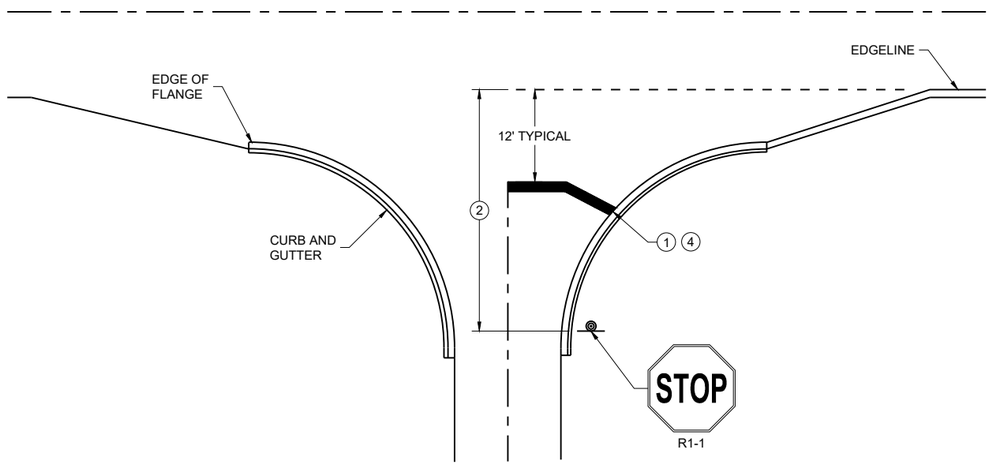
6

SDD 15C29-08a

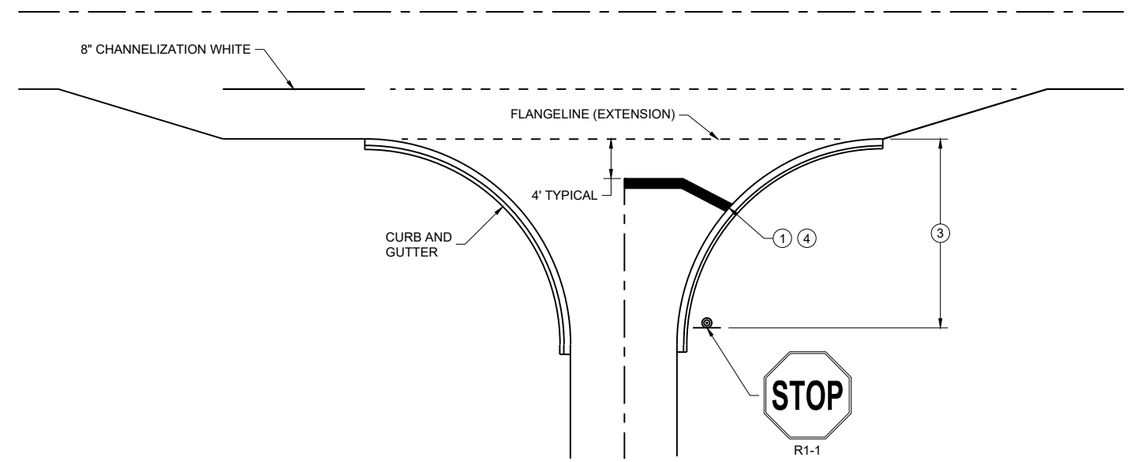
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

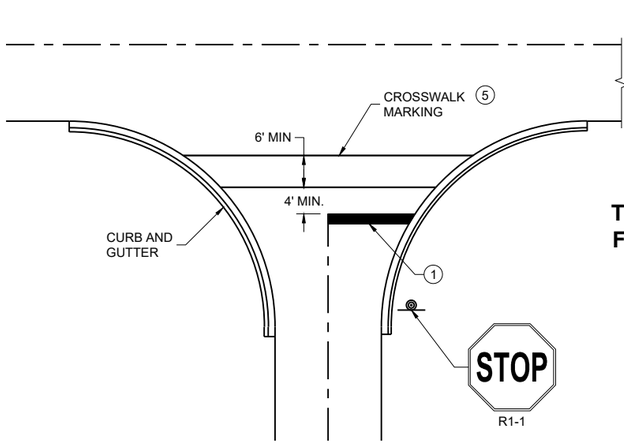
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE 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



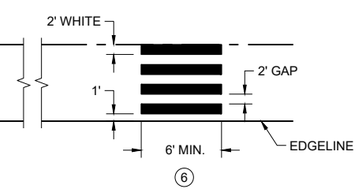
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



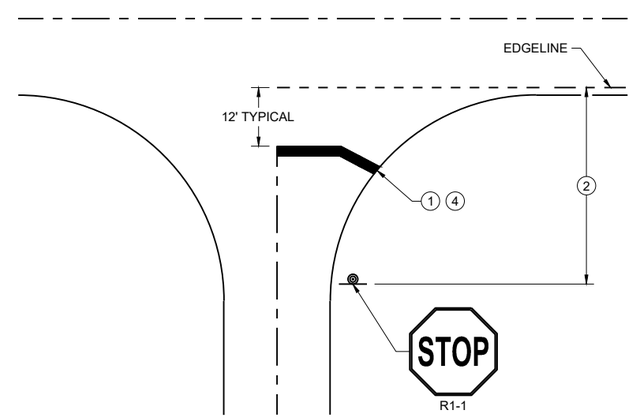
TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2024 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

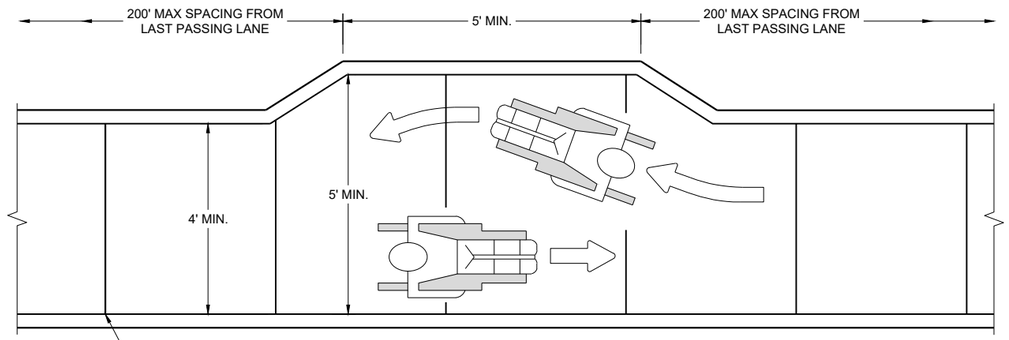
GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

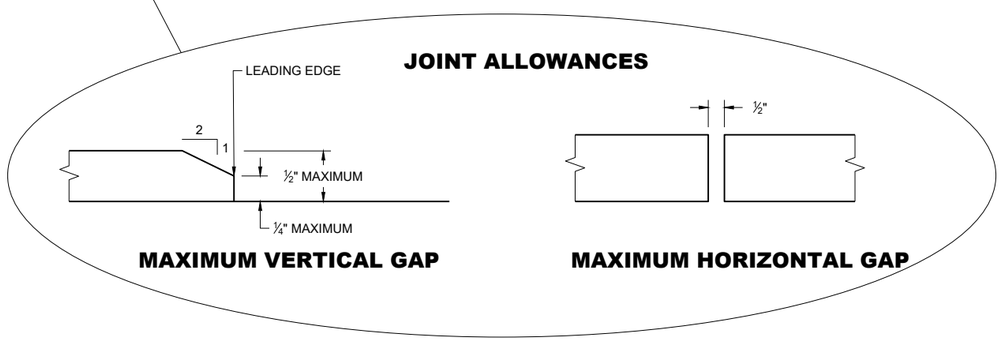
1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.
3. PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

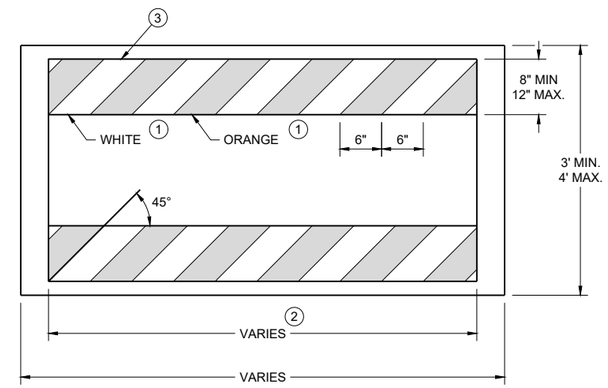
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

4. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

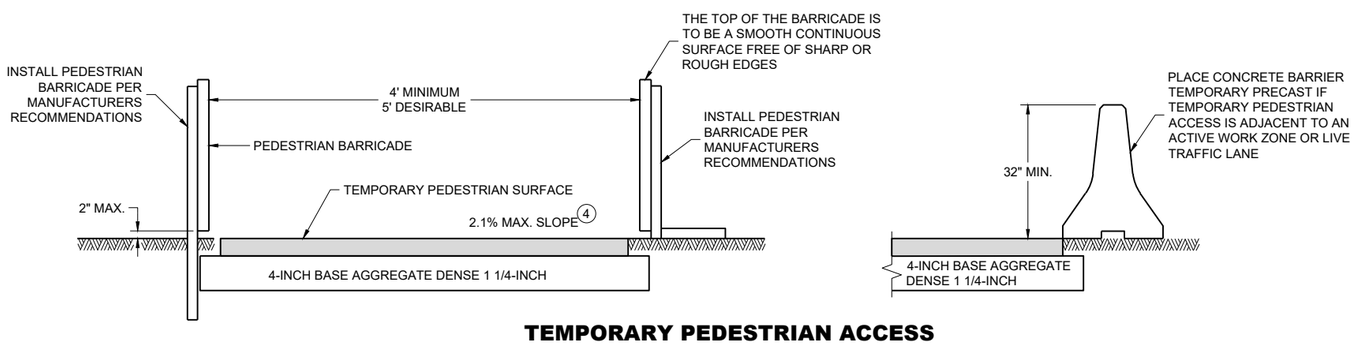


NARROW SIDEWALK PASSING DETAIL





TEMPORARY PEDESTRIAN BARRICADE *



TEMPORARY PEDESTRIAN ACCESS

6

6

SDD 15D30-11a

SDD 15D30-11a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

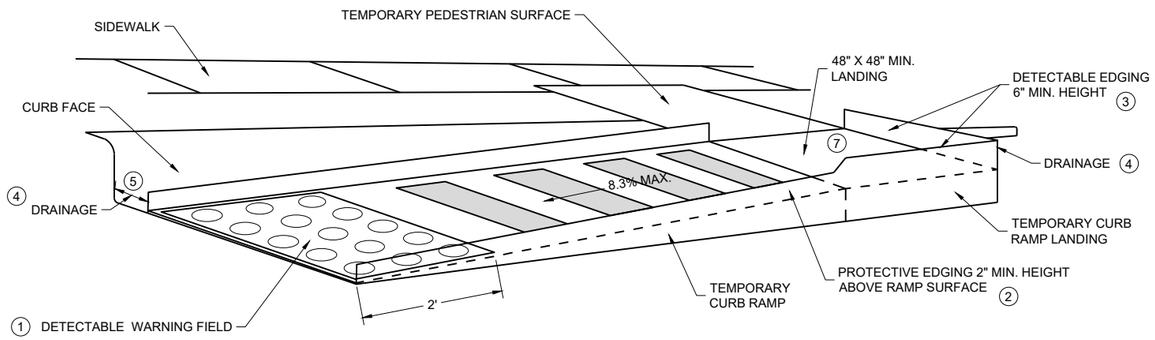
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

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

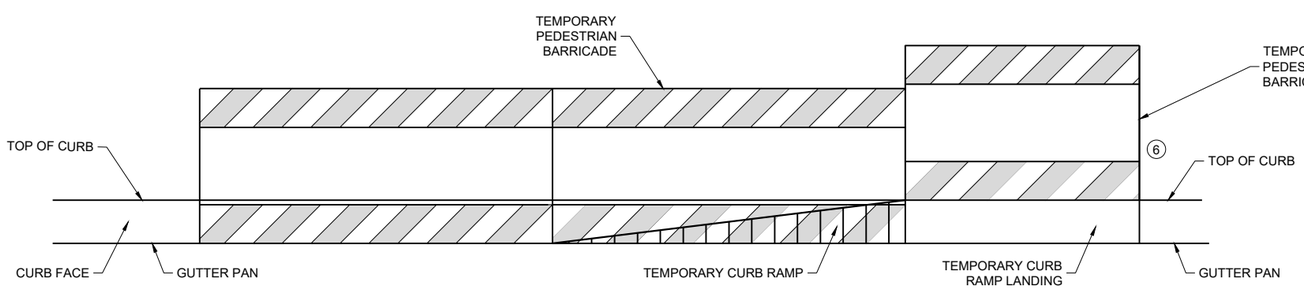
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

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

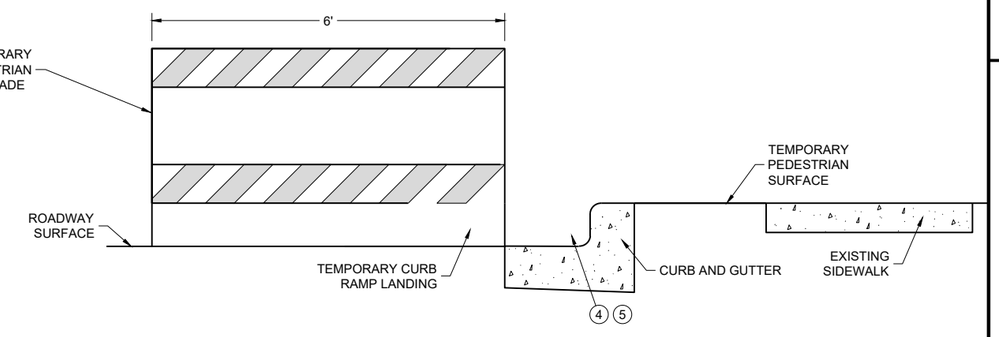
1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



PERSPECTIVE VIEW



FRONT VIEW



SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

6

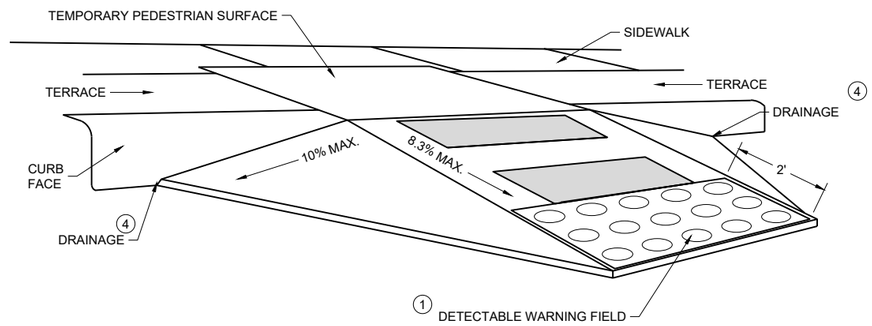
6

SDD 15D30-11b

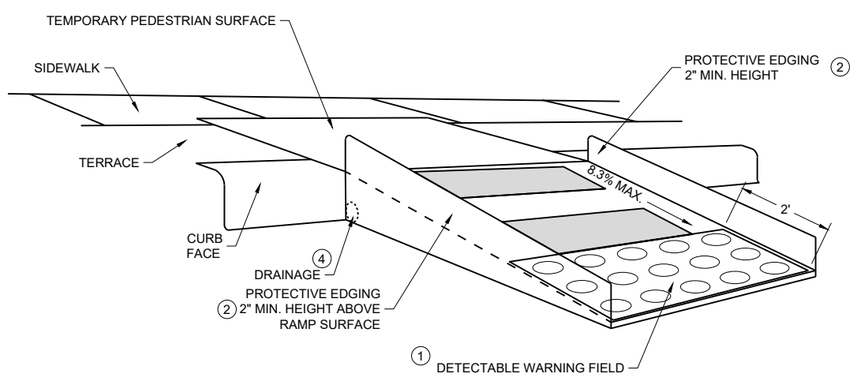
SDD 15D30-11b

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



WITH SIDE APRON 5



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

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

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

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

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

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

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

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

6

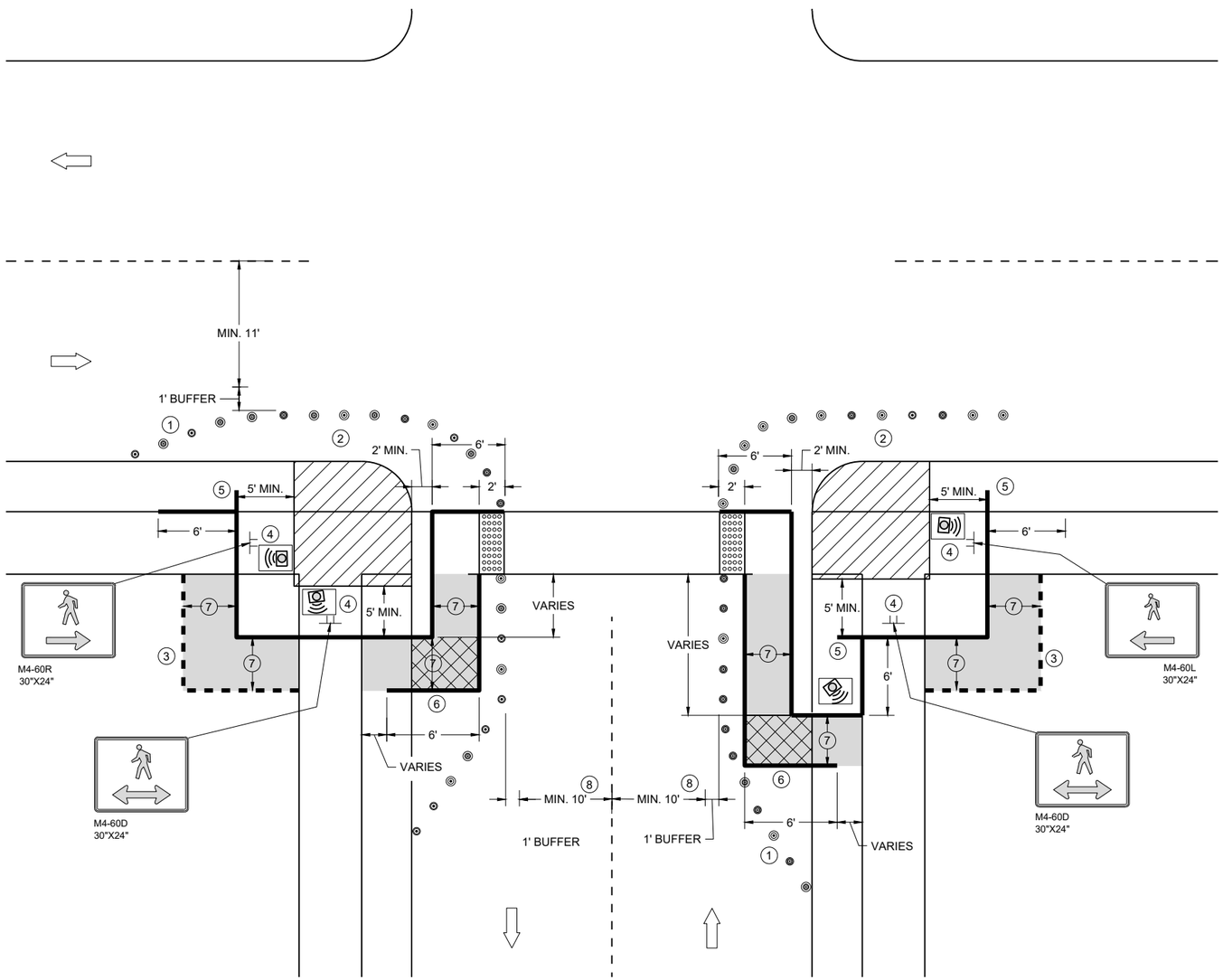
SDD 15D30-11c

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-11c



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

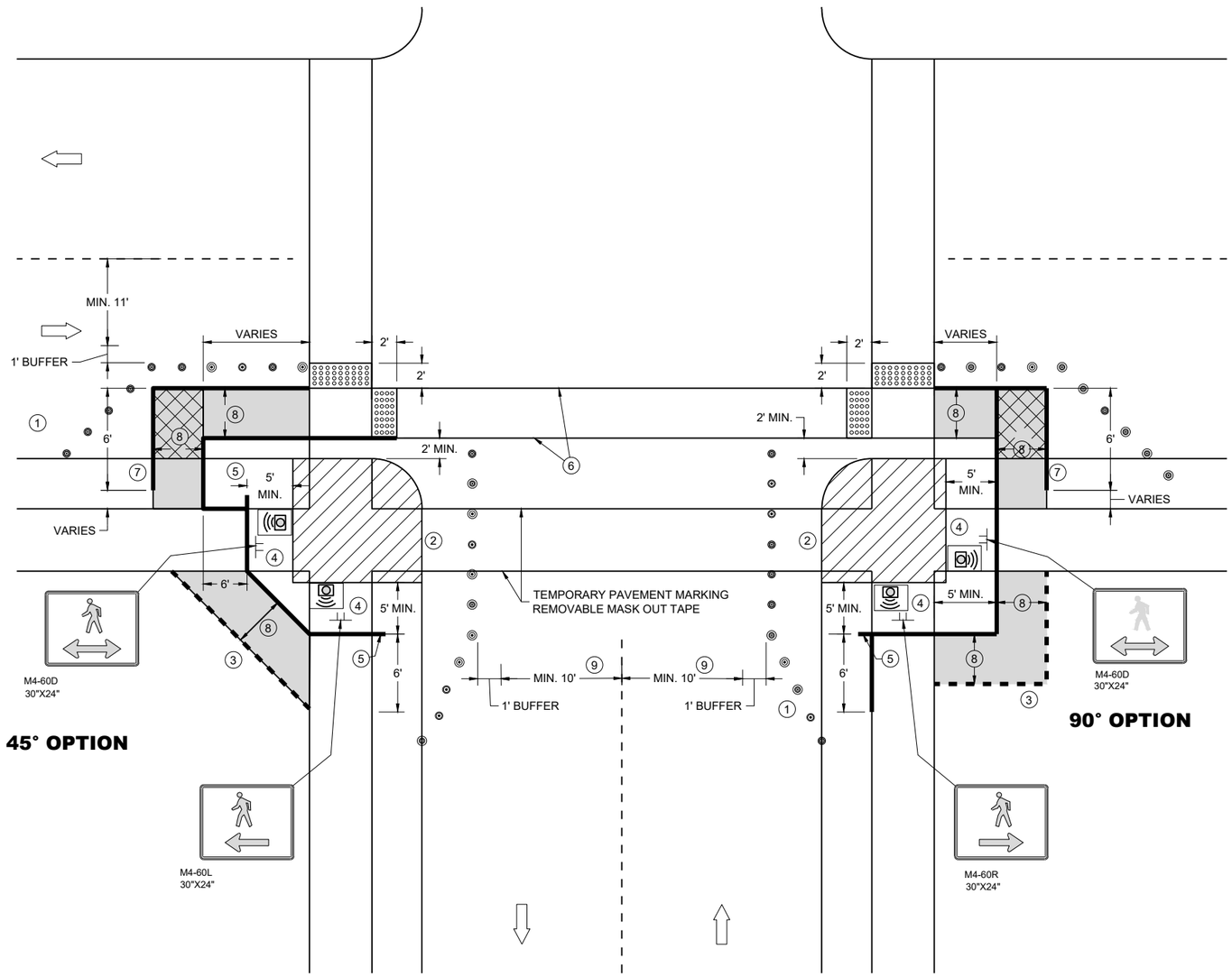
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

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

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

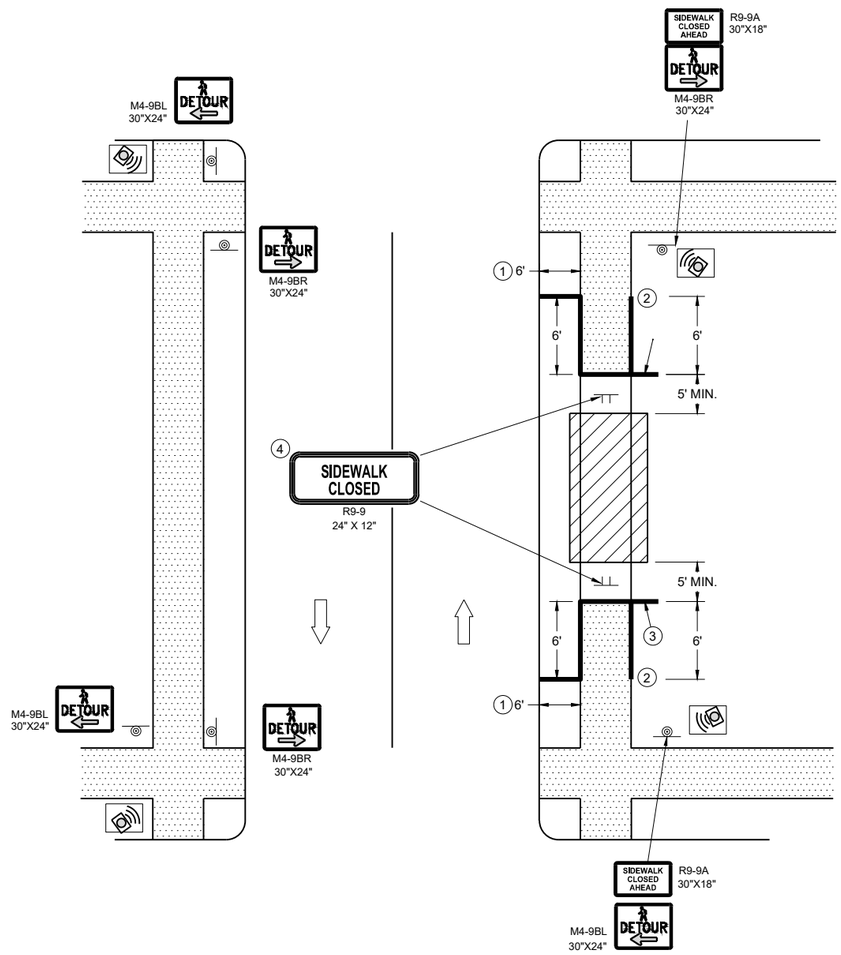
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11j

LEGEND

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



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

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

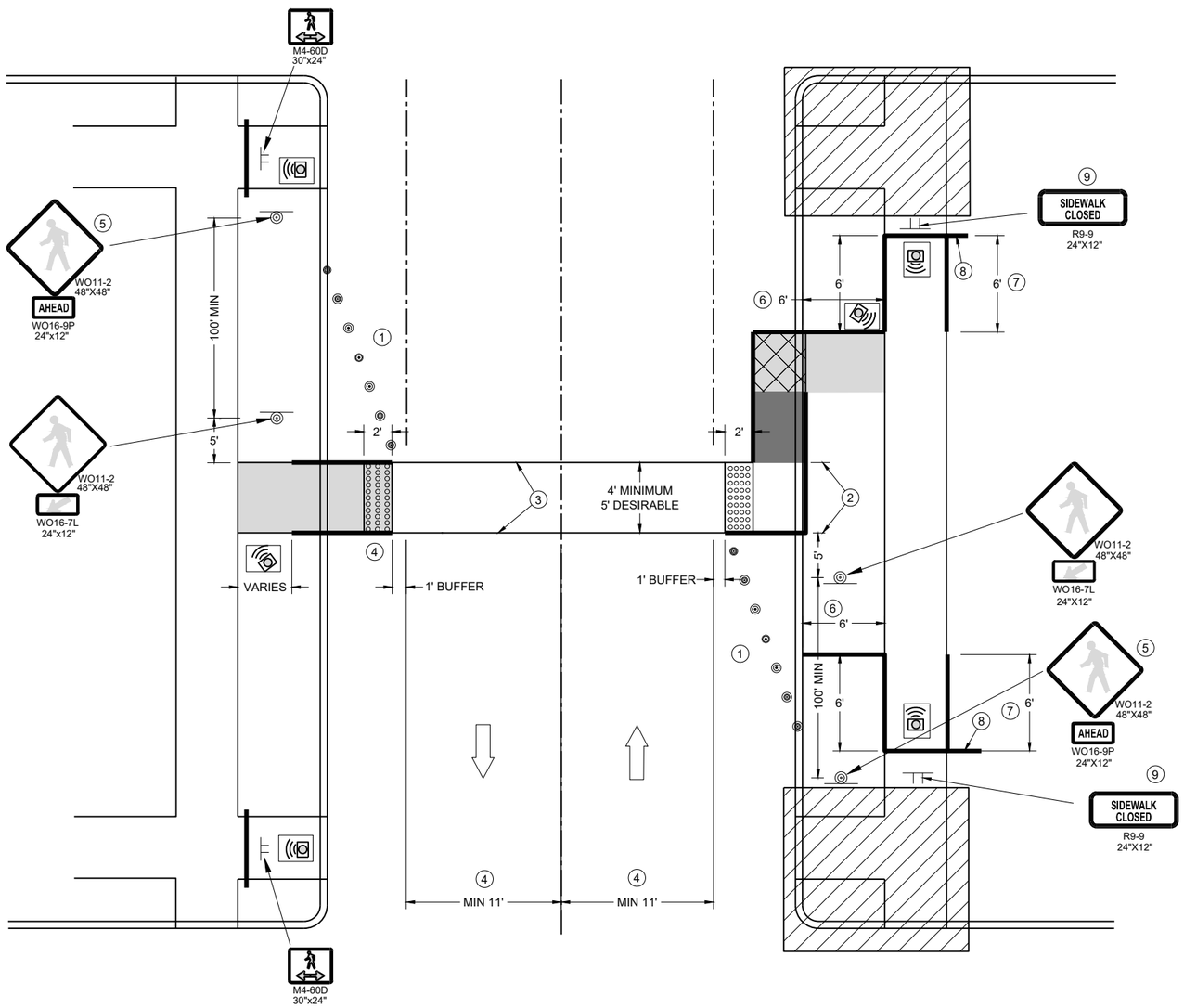
SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

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

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

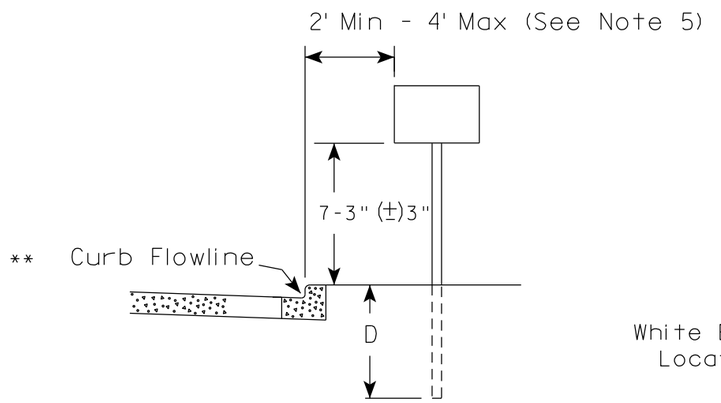
- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

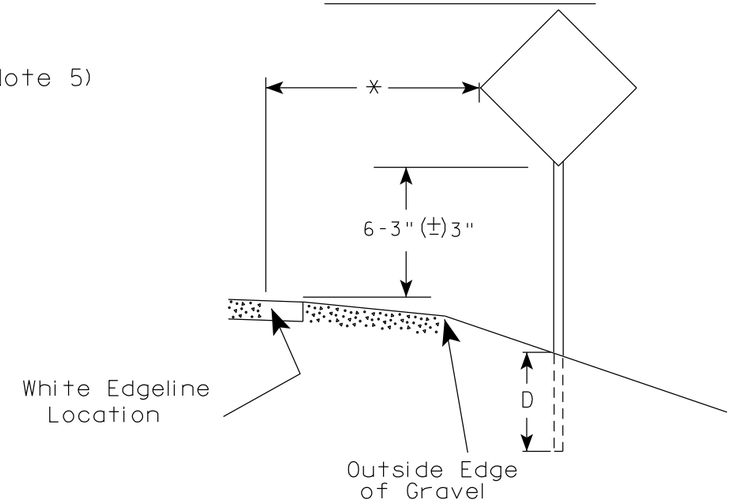
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

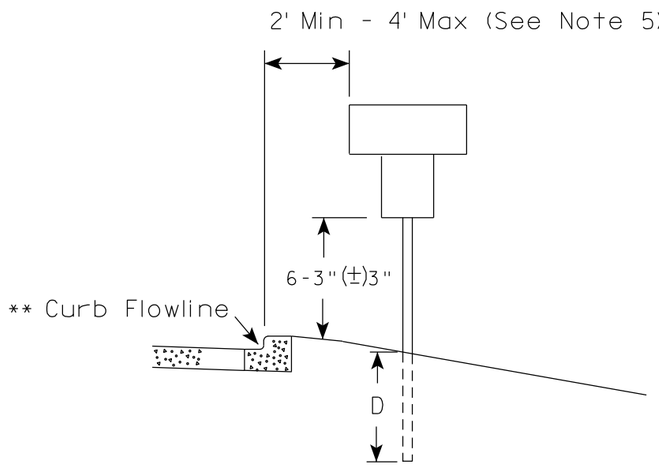
6
SDD 15D30-11I

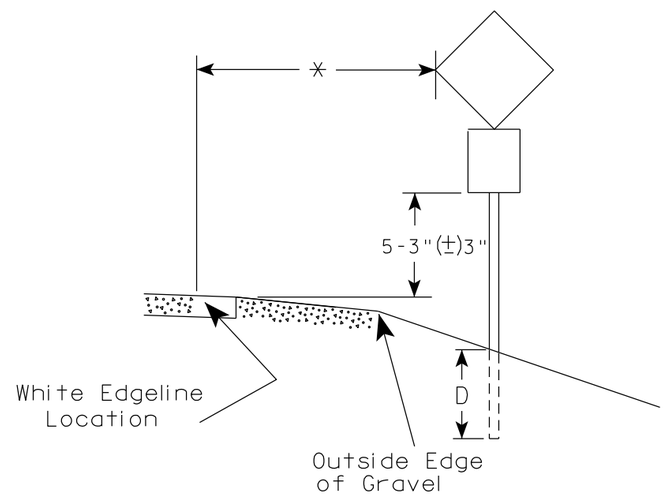
URBAN AREA



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.

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.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

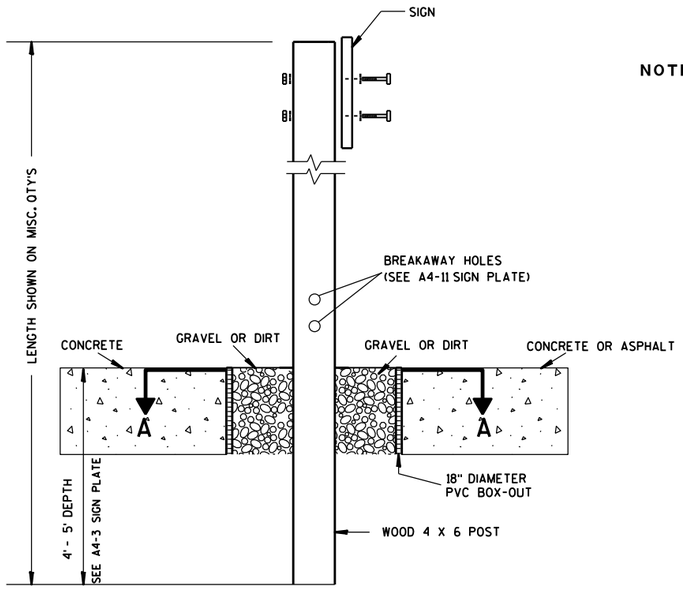
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-3.23

7 7

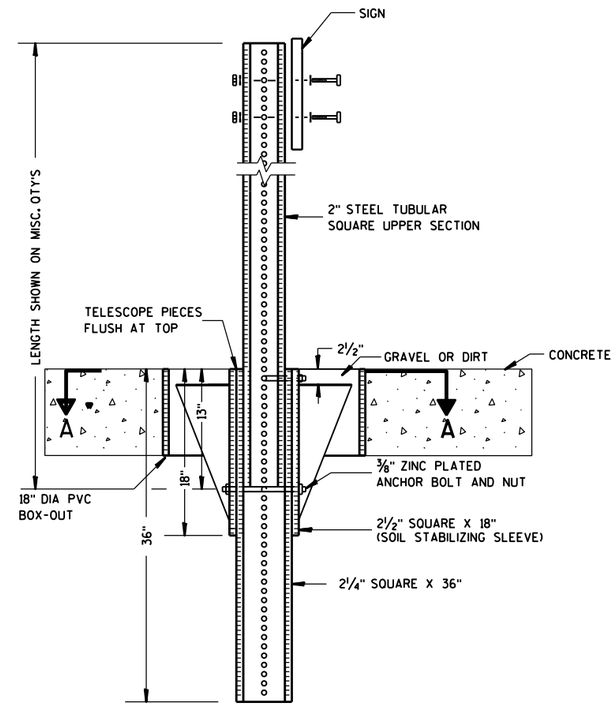
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 140	E



ELEVATION VIEW

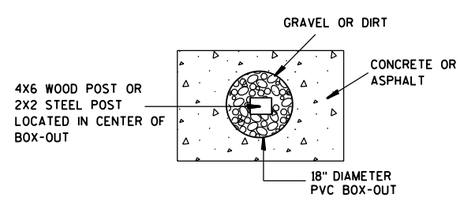
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

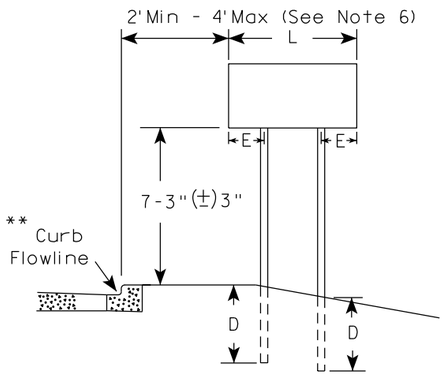
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

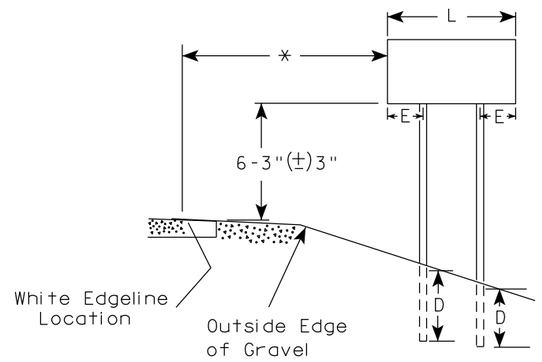
DATE 1/27/14 PLATE NO. A4-3B.1

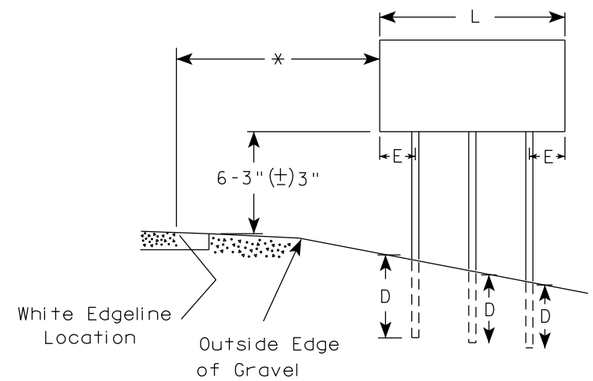
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

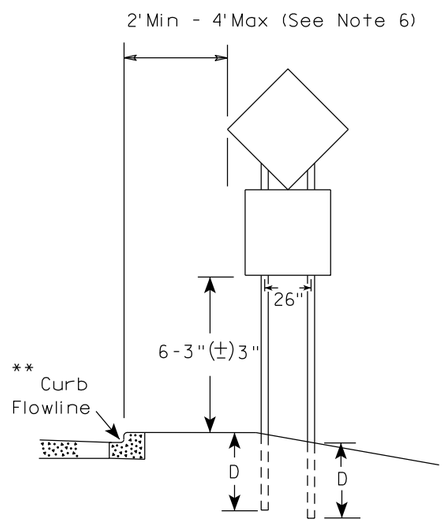
URBAN AREA



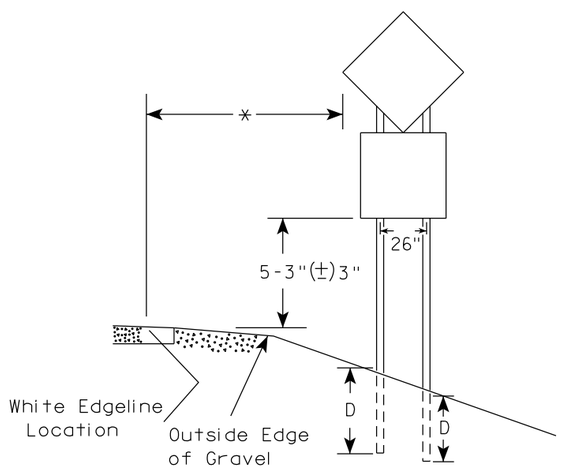
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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.

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"

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

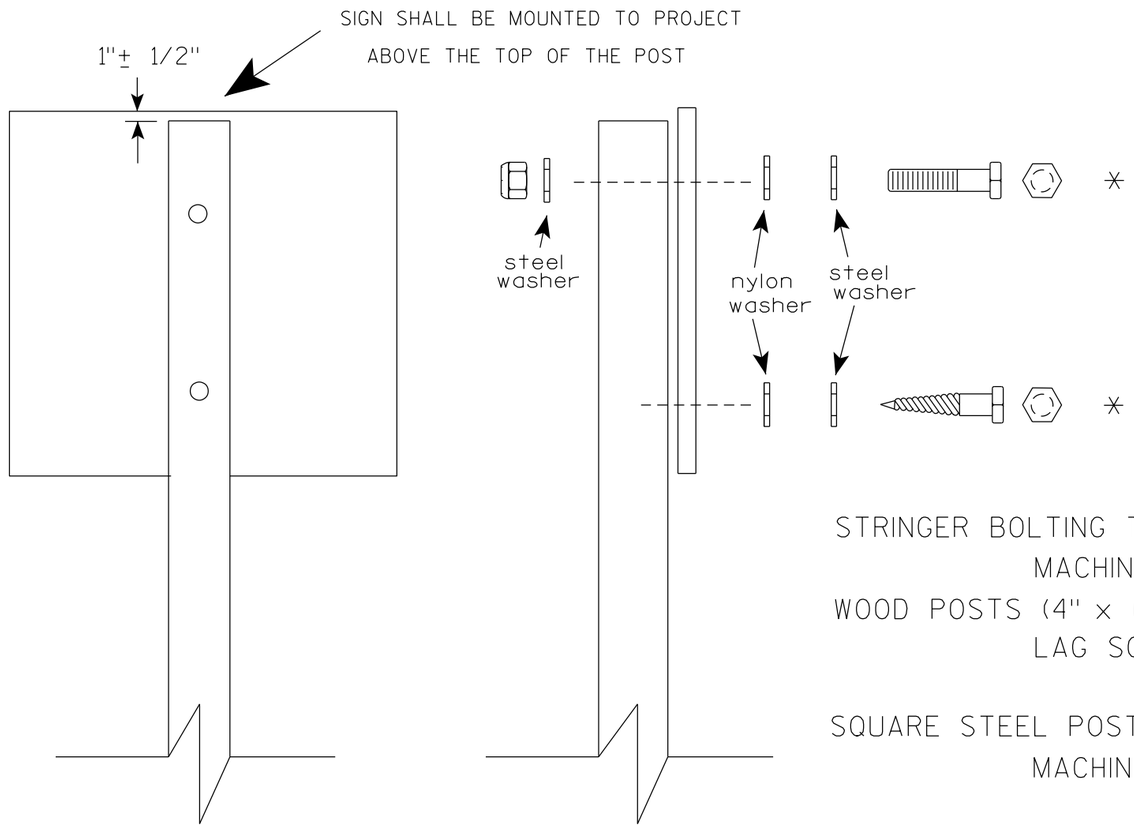
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

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: 142	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

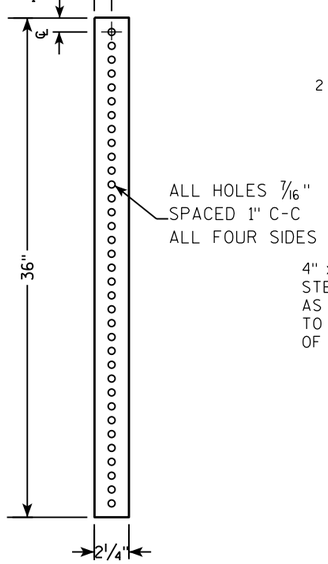
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

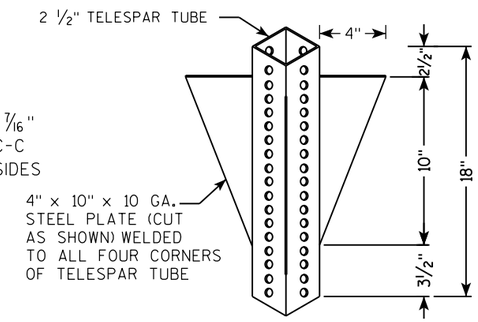
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

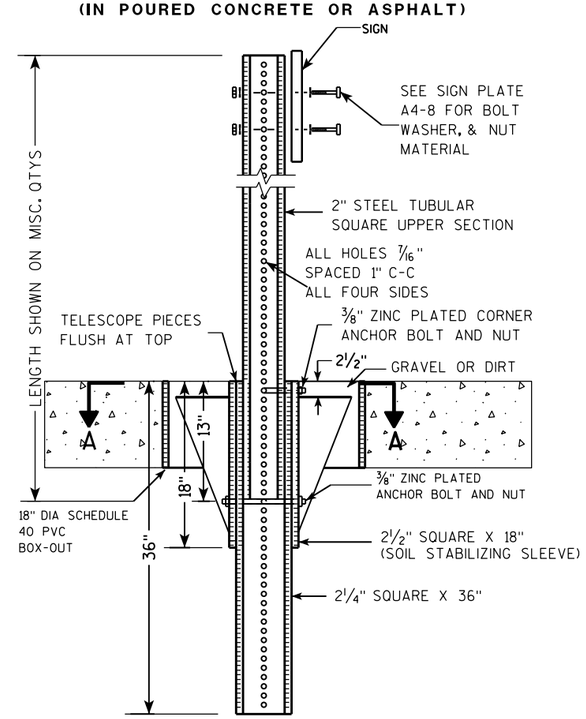
2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



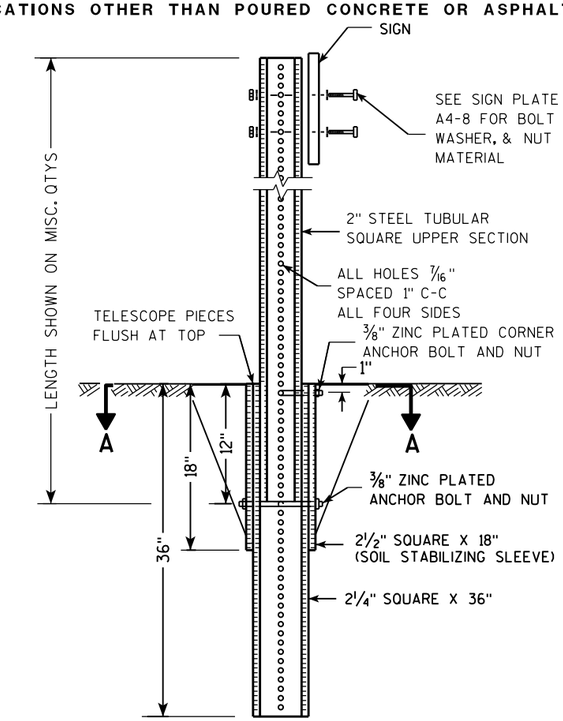
2 1/2" SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

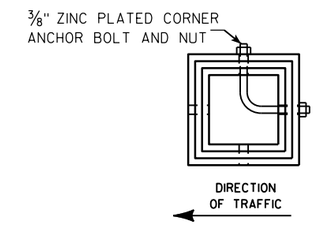


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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

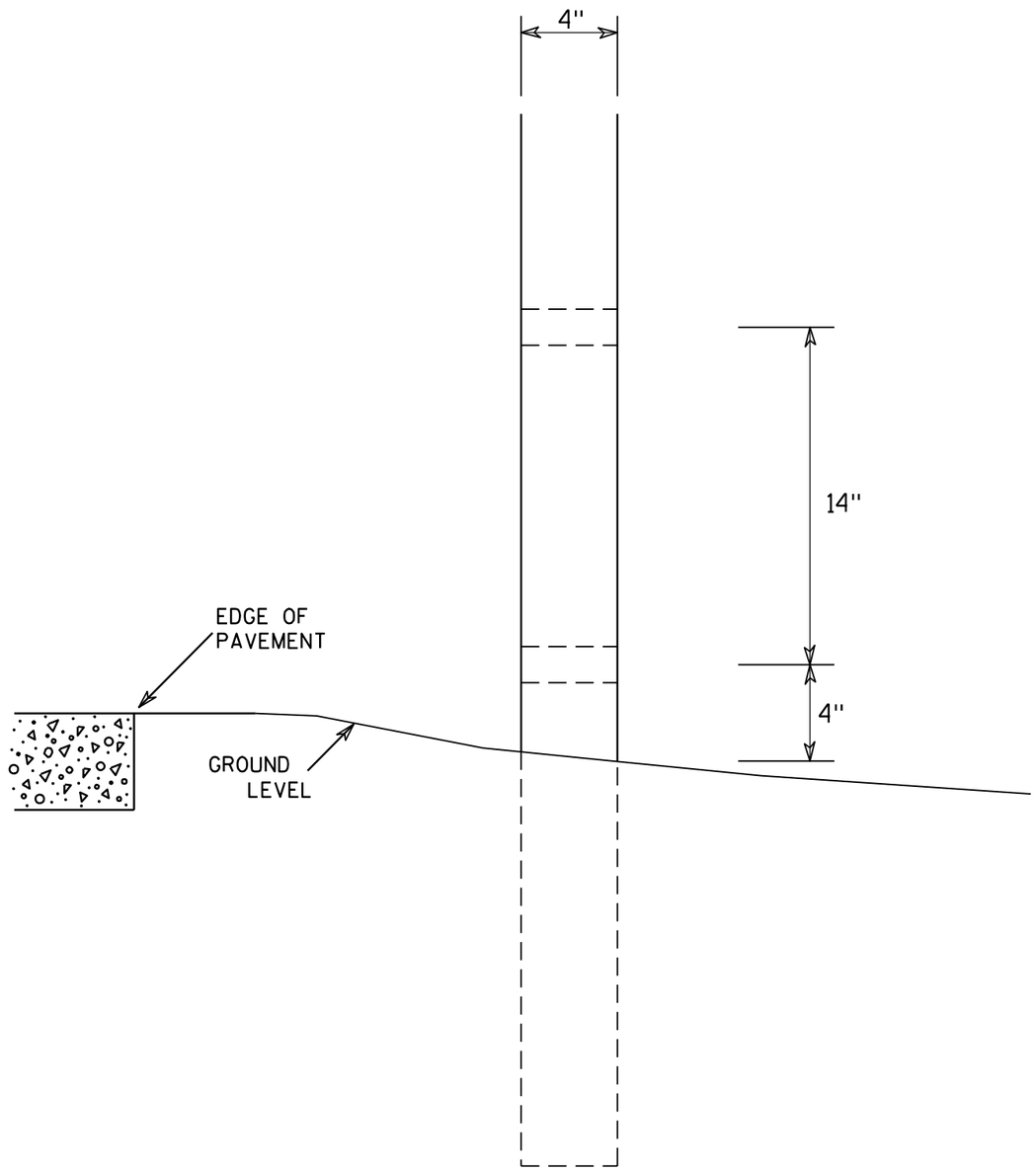
WISCONSIN DEPT OF TRANSPORTATION

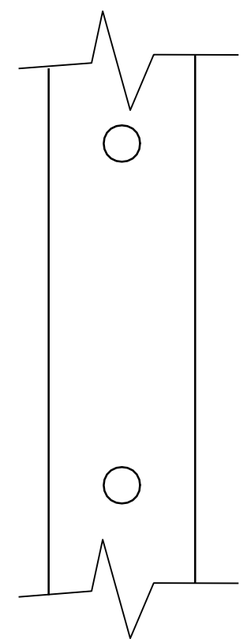
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

7 7

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.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

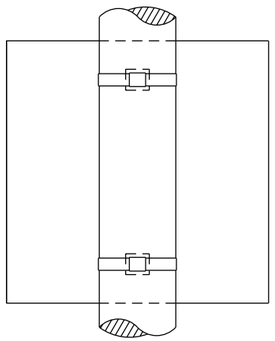
APPROVED Chester J Spang for State Traffic Engineer

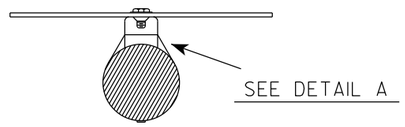
DATE 3/27/97 PLATE NO. A4-11.2

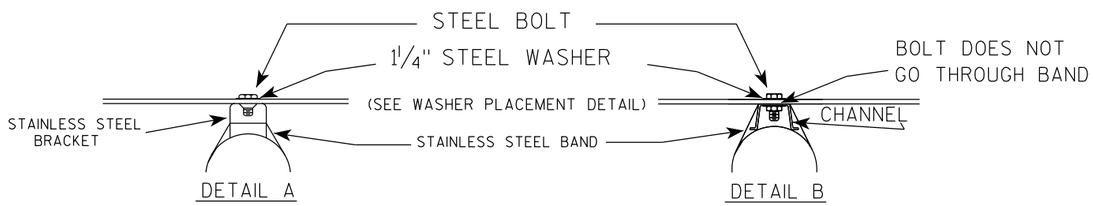
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 145	E

BANDING

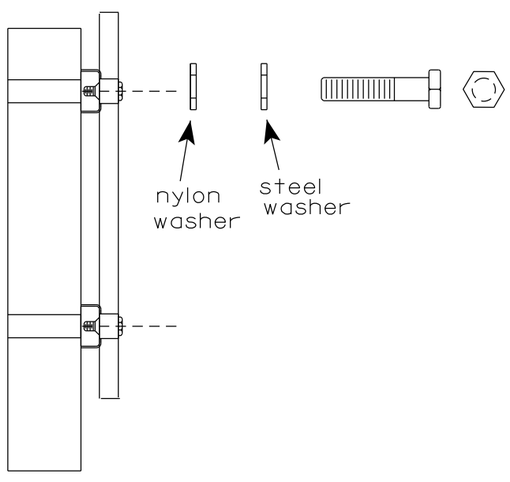
SINGLE SIGN







WASHER PLACEMENT

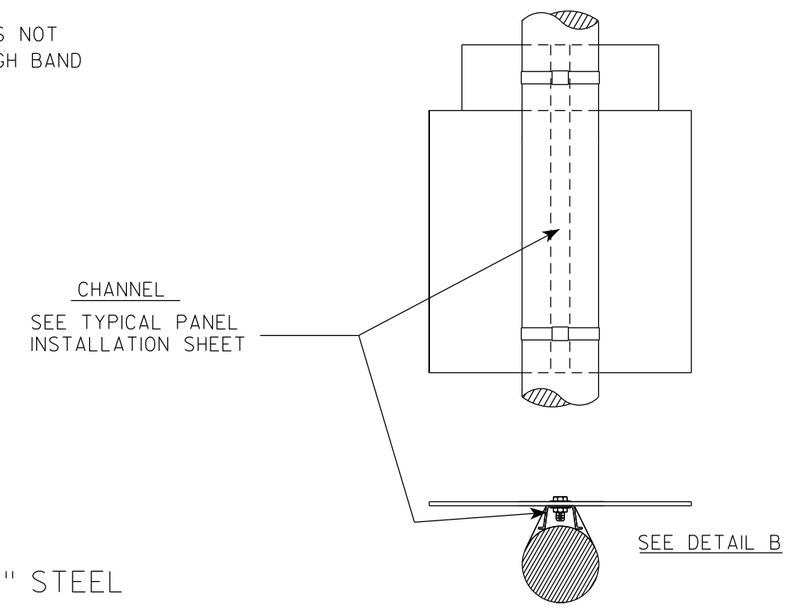


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

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



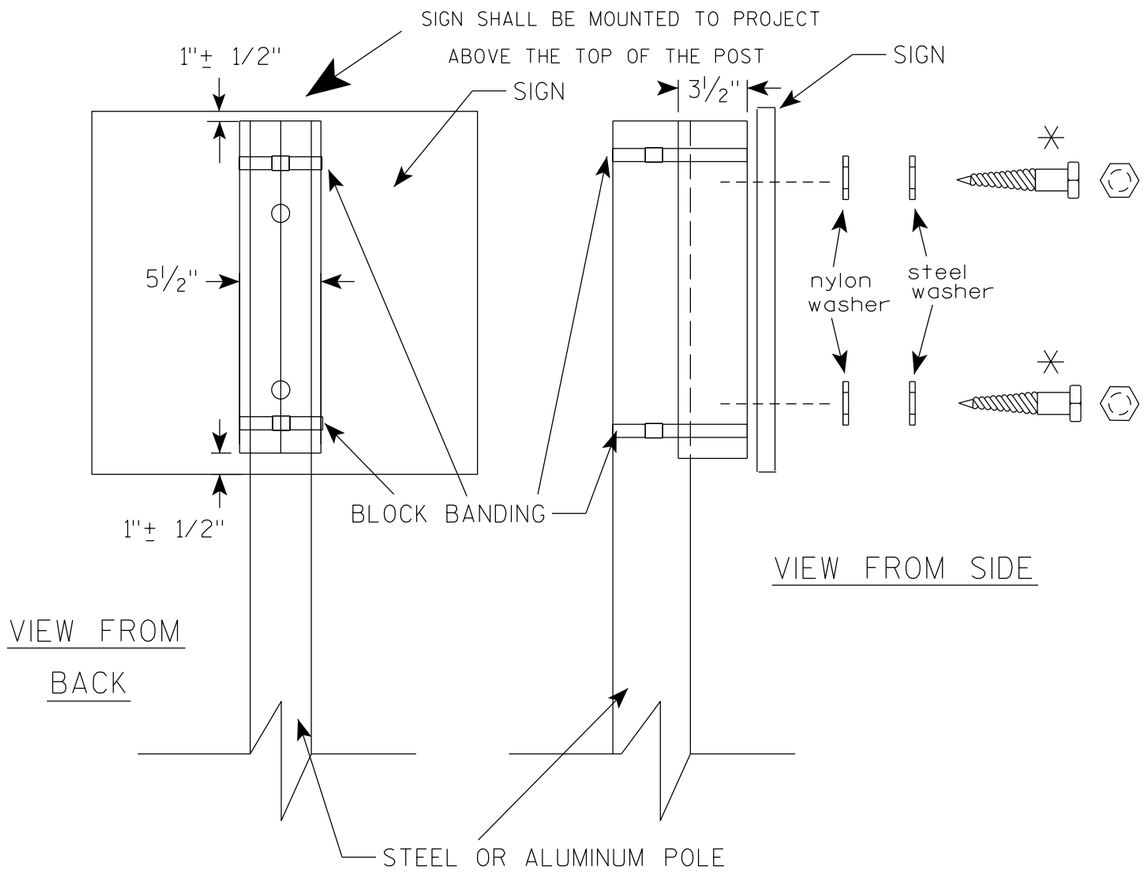
STANDARD SIGN
SIGN BANDING DETAILS

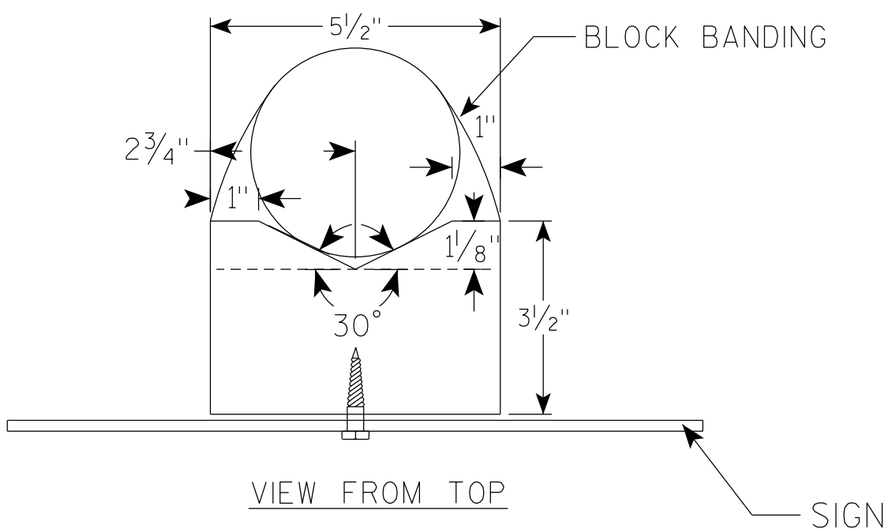
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 146	E





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, 3/4" 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 1 1/4" O.D. X 3/8" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1 1/4" O.D. X 3/8" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE 3/8" X 2 1/2"

7

7

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

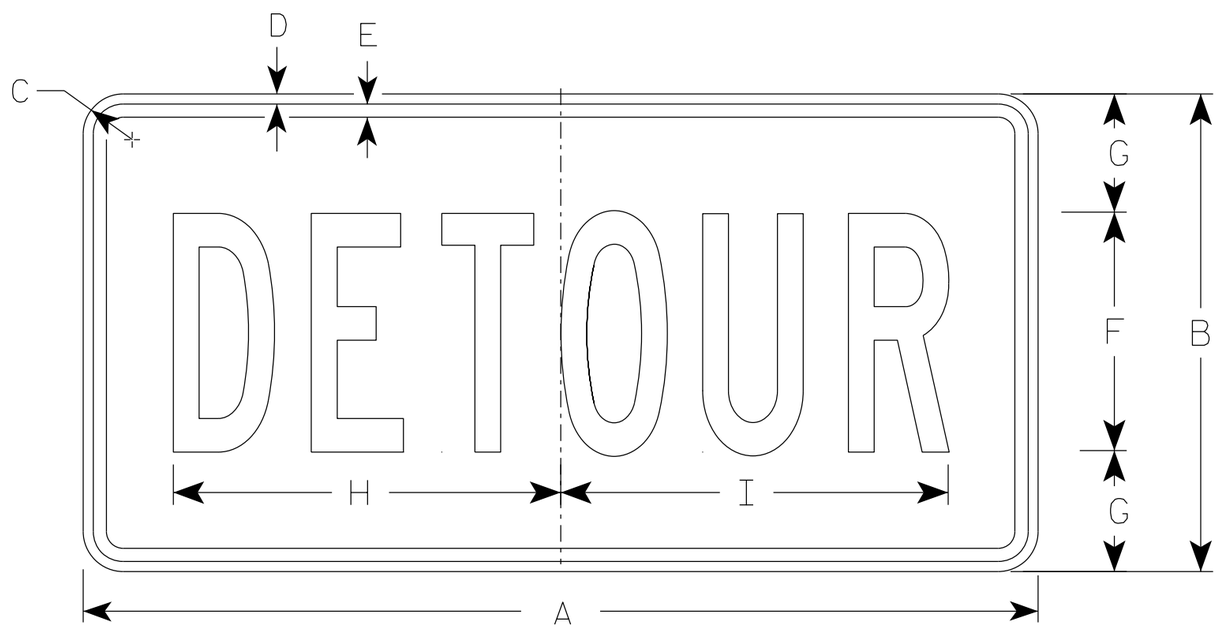
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:				SHEET NO: 147	E

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.



M4-8

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

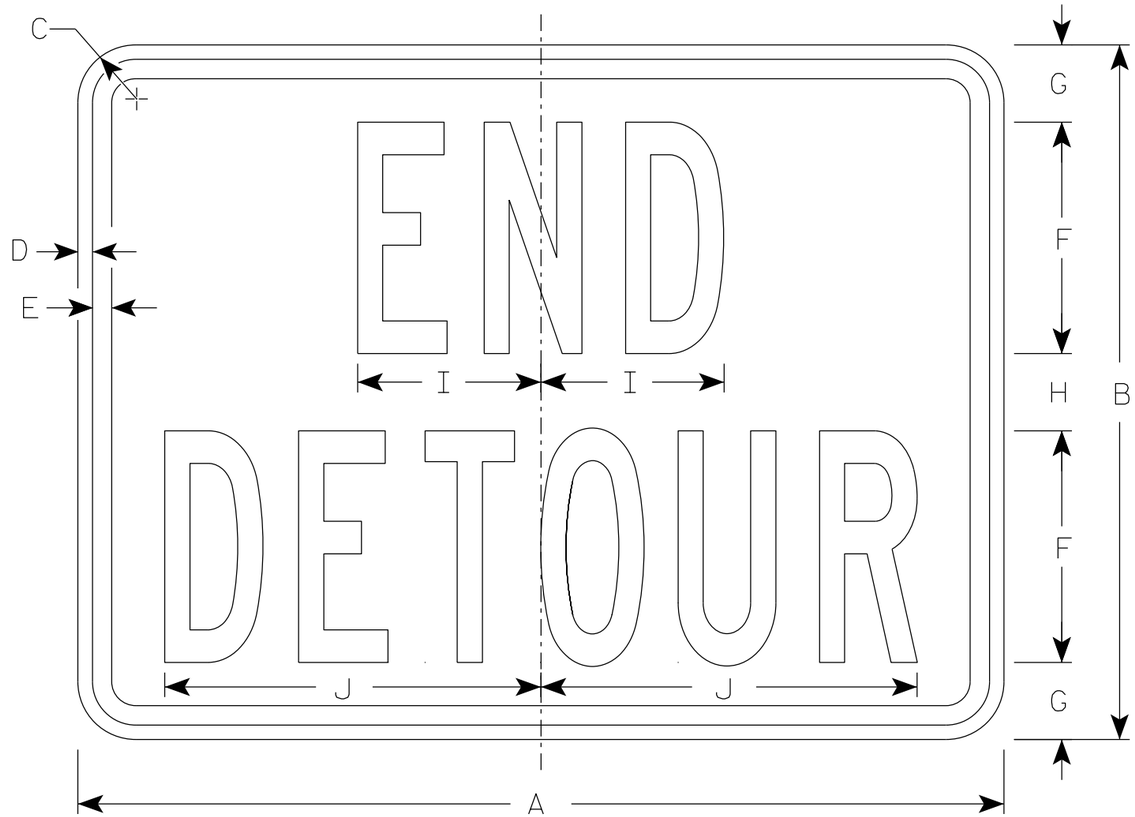
STANDARD SIGN
M4-8

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



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 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

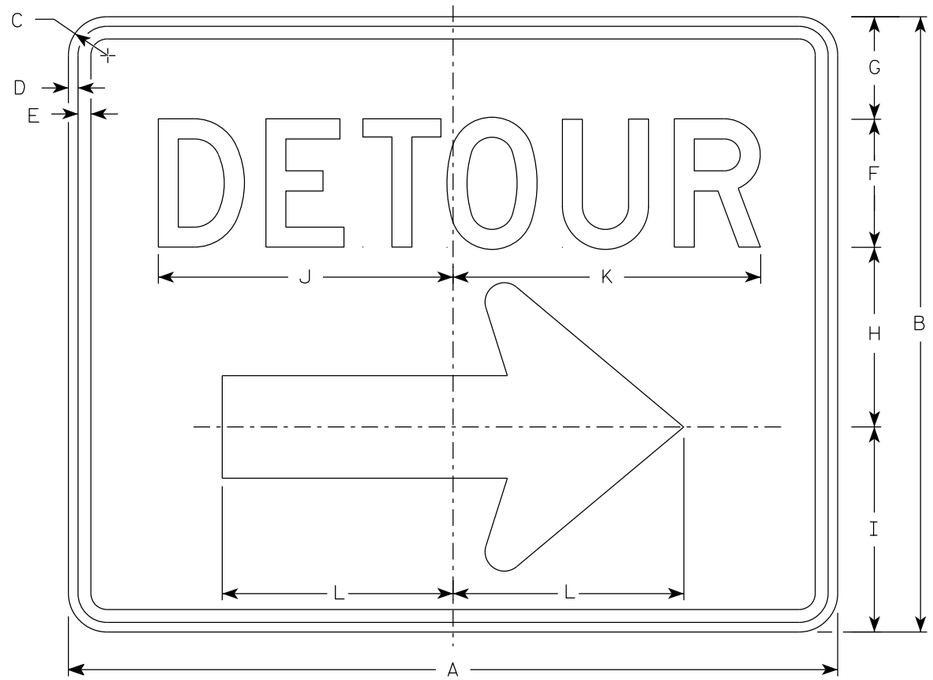
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

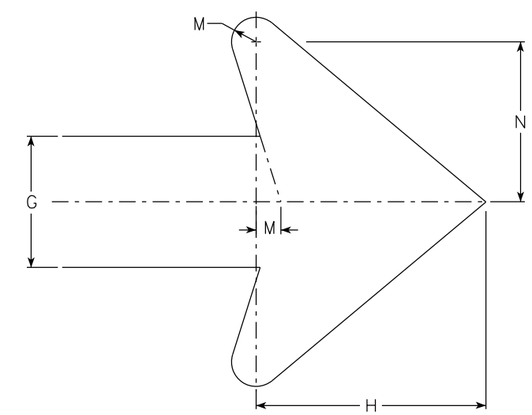
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 149 | E



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

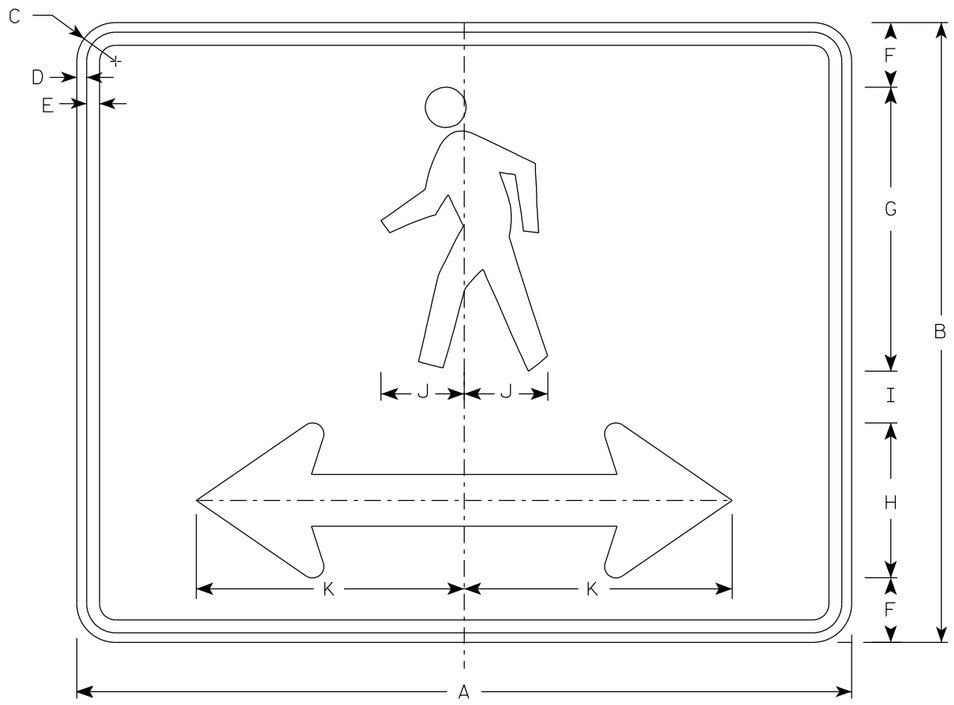
DATE 2/9/2023 PLATE NO. M4-9R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

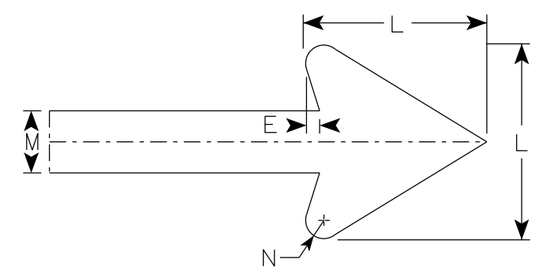
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49R.dgn PLOT DATE : 21-MARCH 2023 1:40 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

1. Sign is Type II- Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. 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.



M4-60D



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
2M	30	24	1 1/2	3/8	1/2	2 1/2	11	6	2	3 1/4	10 3/8	6	2	3/8													5.00
3																											
4																											
5																											

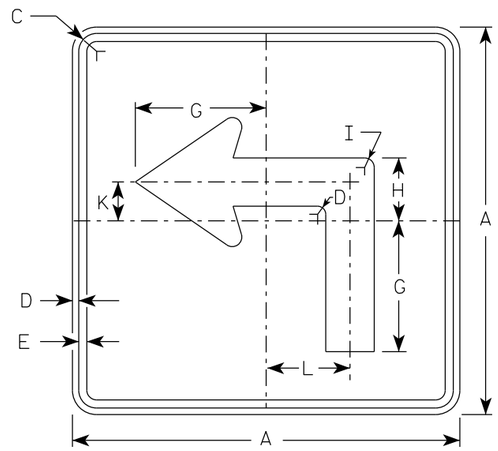
STANDARD SIGN
M4-60D

WISCONSIN DEPT OF TRANSPORTATION

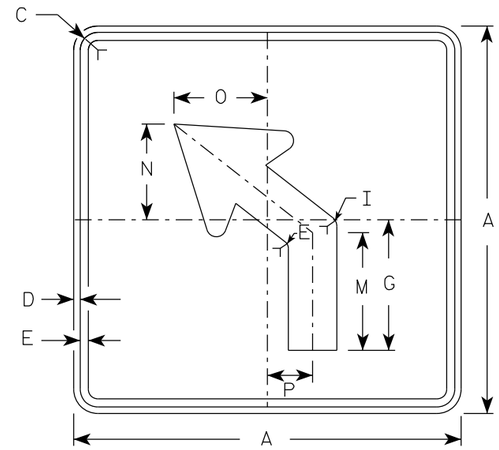
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/2023 PLATE NO. M4-60D.2

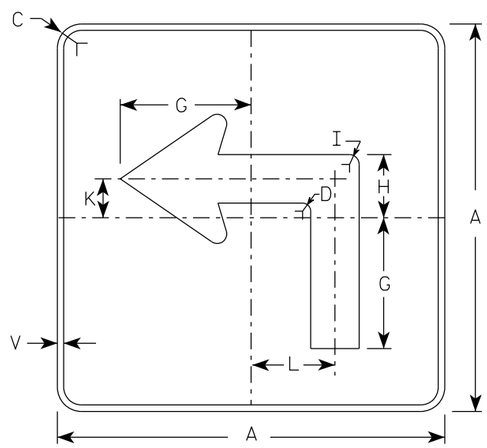
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 151 | E



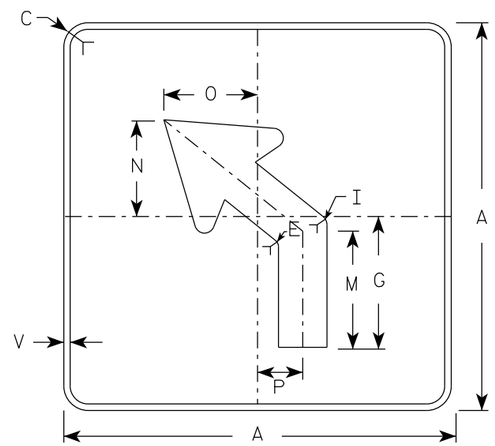
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

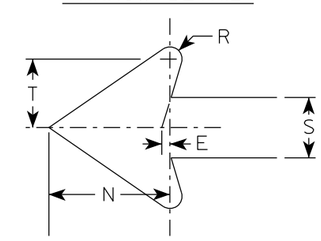


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

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	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
4	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25
5	30		1 7/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4		1/2					6.25

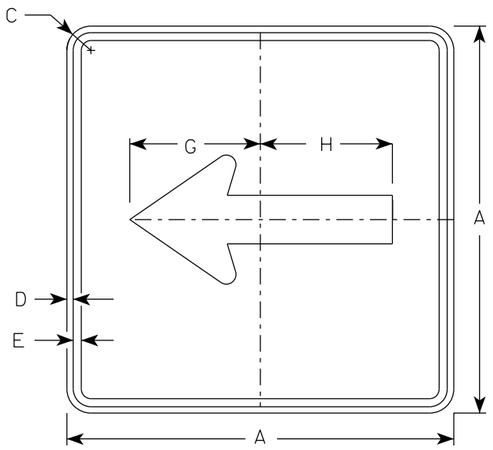
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

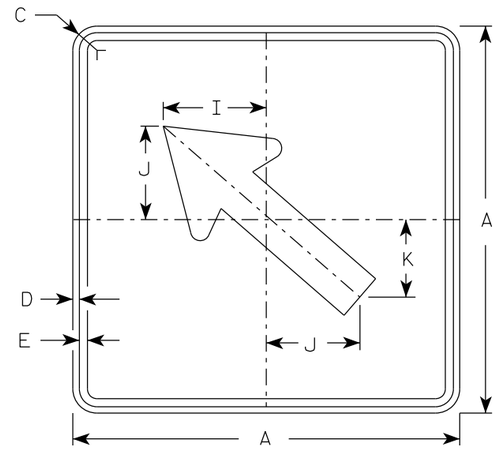
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

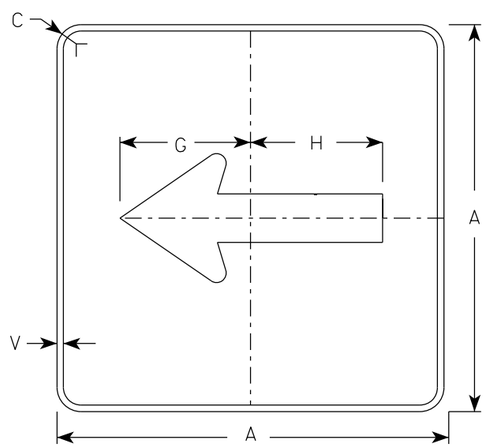
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 152 | E



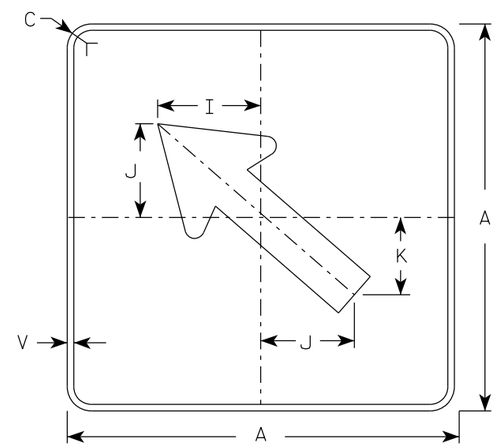
M6-1
MM6-1
MO6-1
MP6-1



M6-2
MM6-2
MO6-2
MP6-2



MB6-1
MK6-1
MN6-1
MR6-1

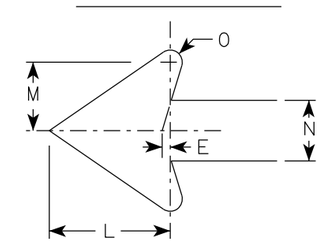


MB6-2
MK6-2
MN6-2
MR6-2

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

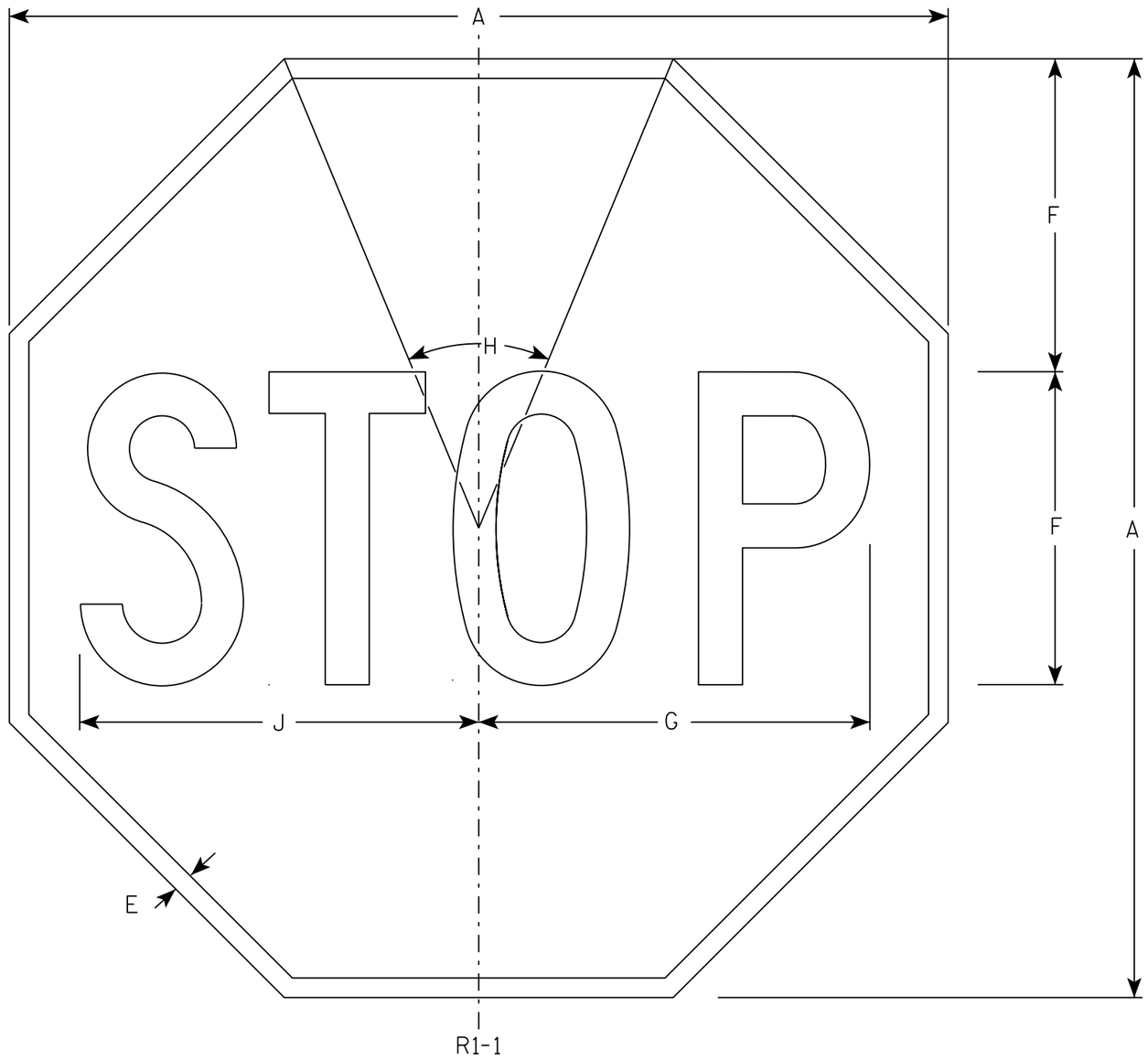
STANDARD SIGN
M6-1 & M6-2
SERIES

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: 153 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

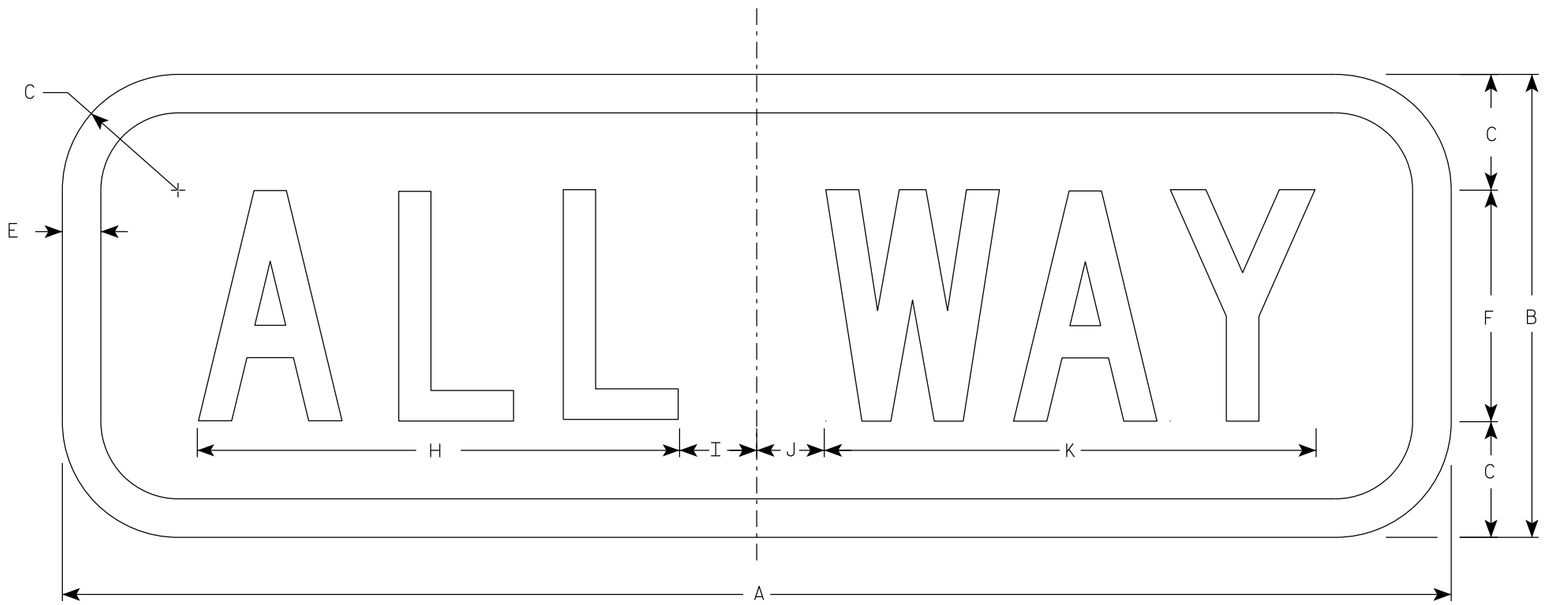
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 154 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. For 30"x30" R1-1 use 18"x6" R1-3P sign
   For 36"x36" R1-1 use 24"x9" R1-3P sign
   For 48"x48" R1-1 use 30"x12" R1-3P sign



R1-3P

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	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
4	30	12	1 1/2		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
5	30	12	1 1/2		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5

STANDARD SIGN

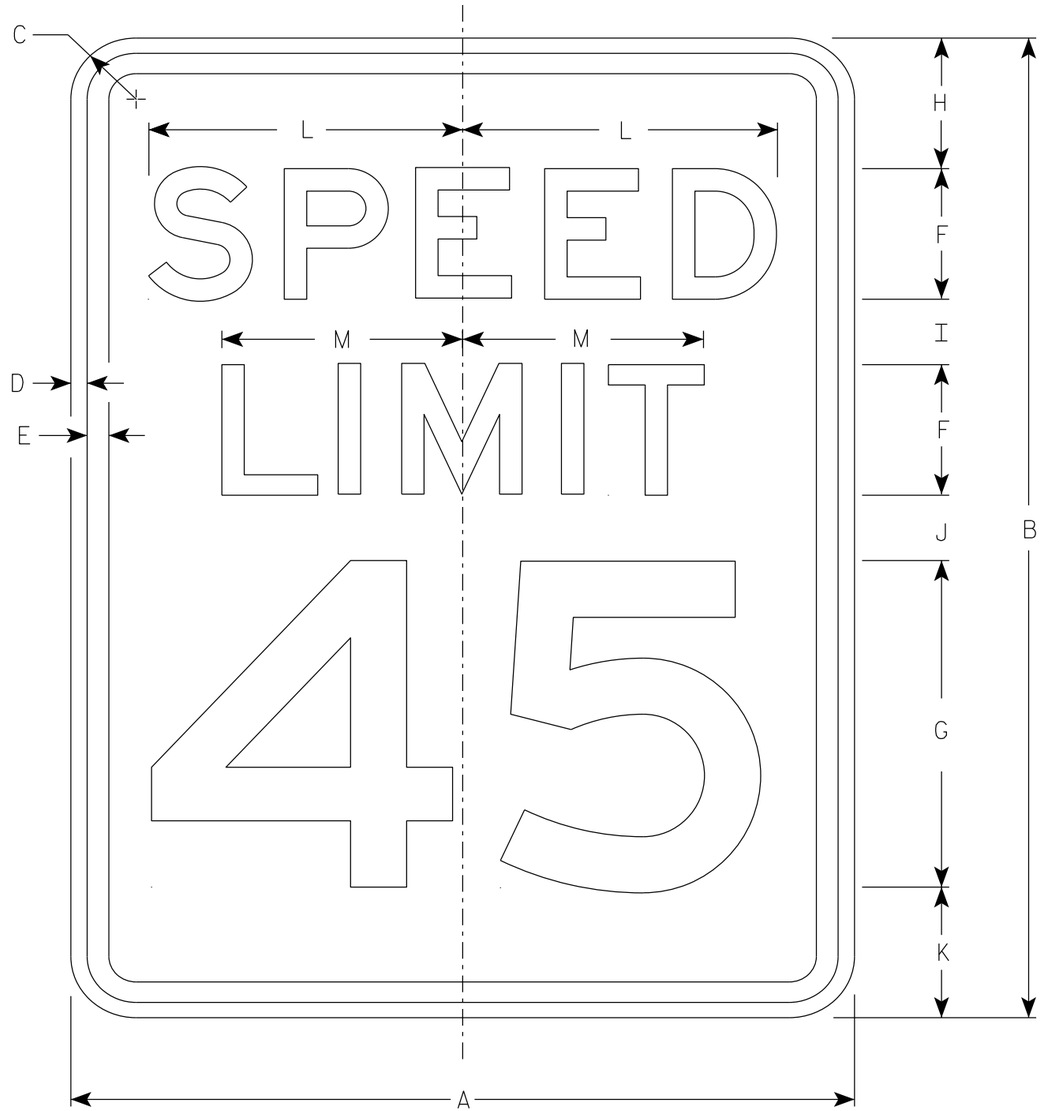
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/19/23 PLATE NO. R1-3P.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 155 | 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

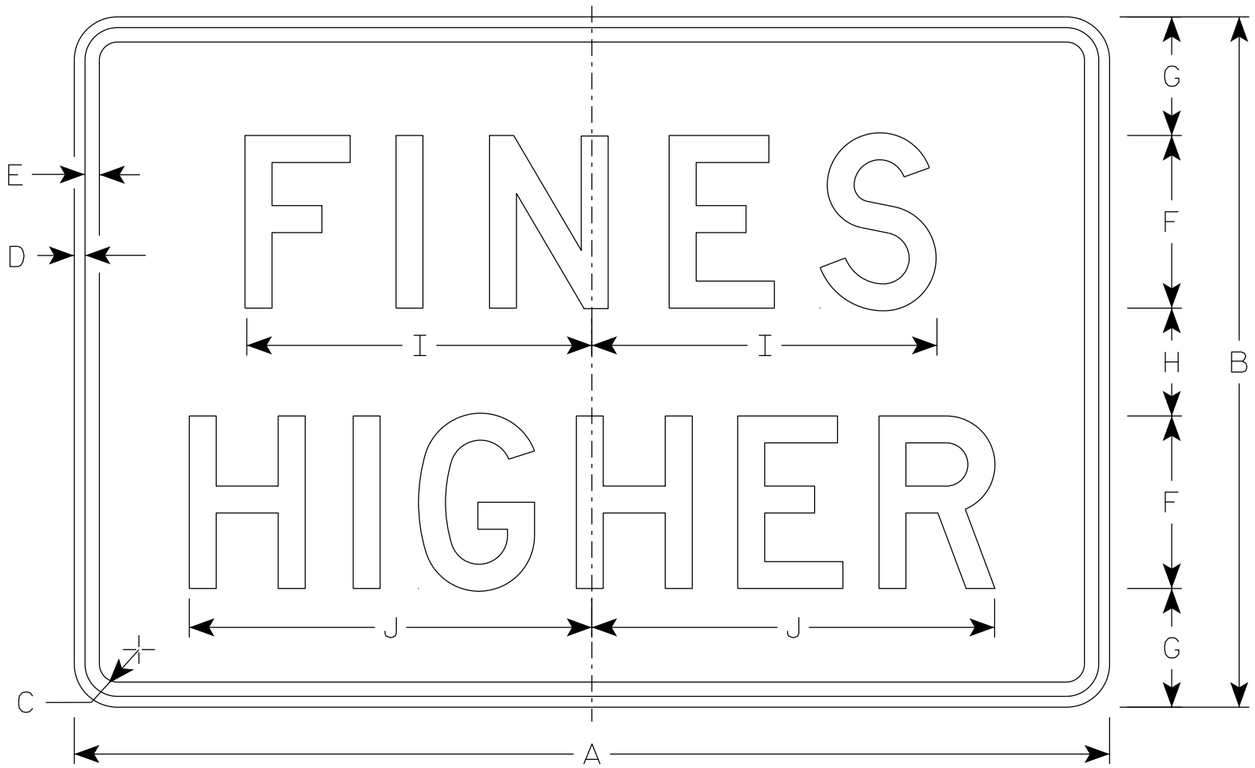
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 156 | 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

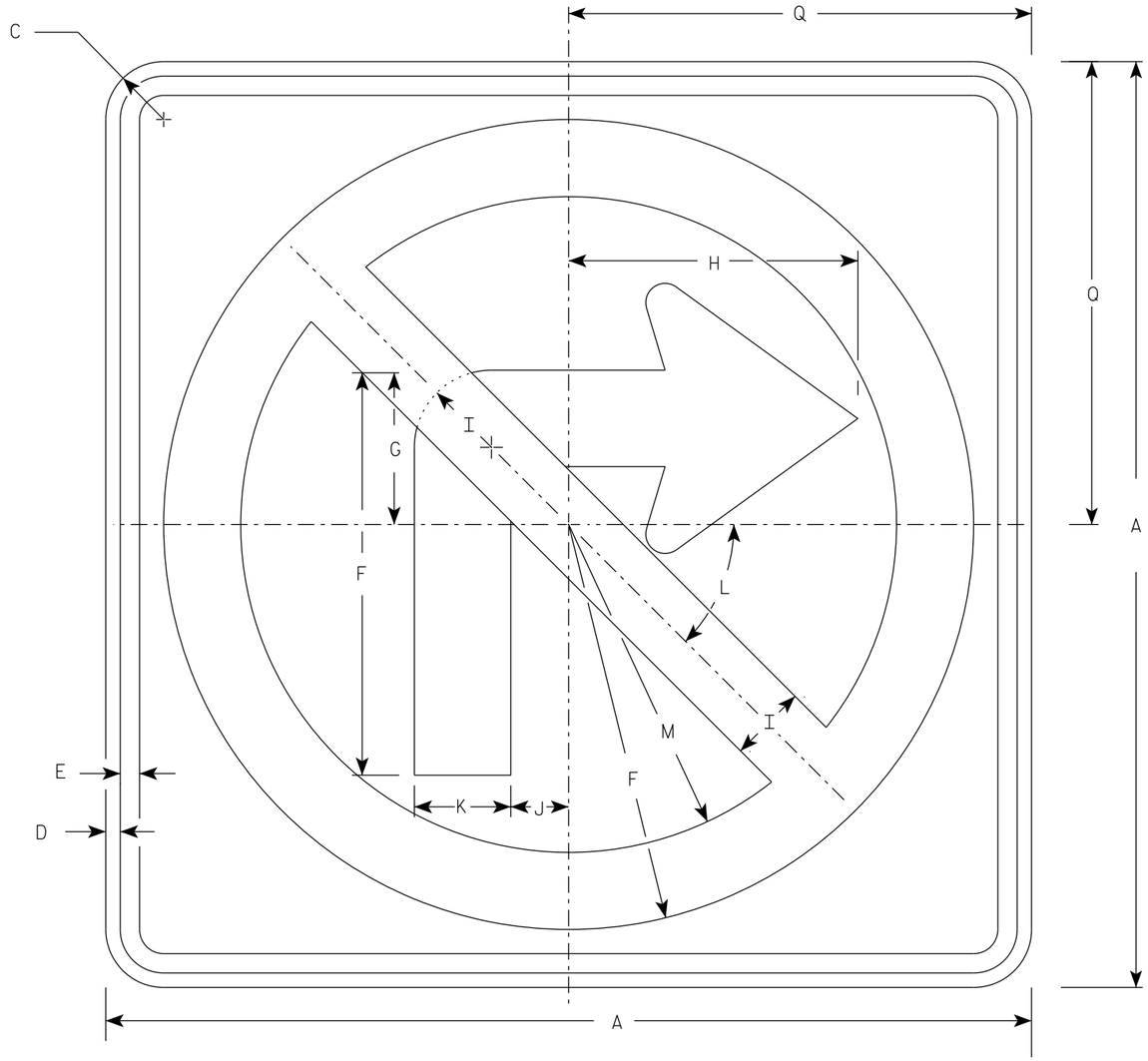
STANDARD SIGN
R2-6P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/1/23 PLATE NO. R2-6P.3

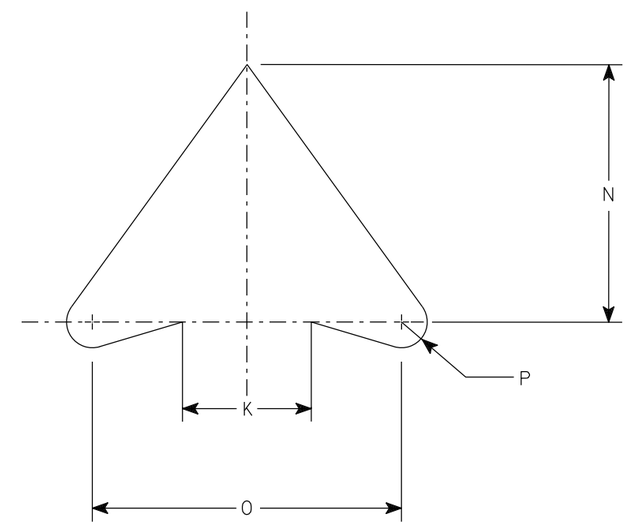
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 157	E



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 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	12										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	12										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	18										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	18										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	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

STANDARD SIGN

R3-1

WISCONSIN DEPT OF TRANSPORTATION

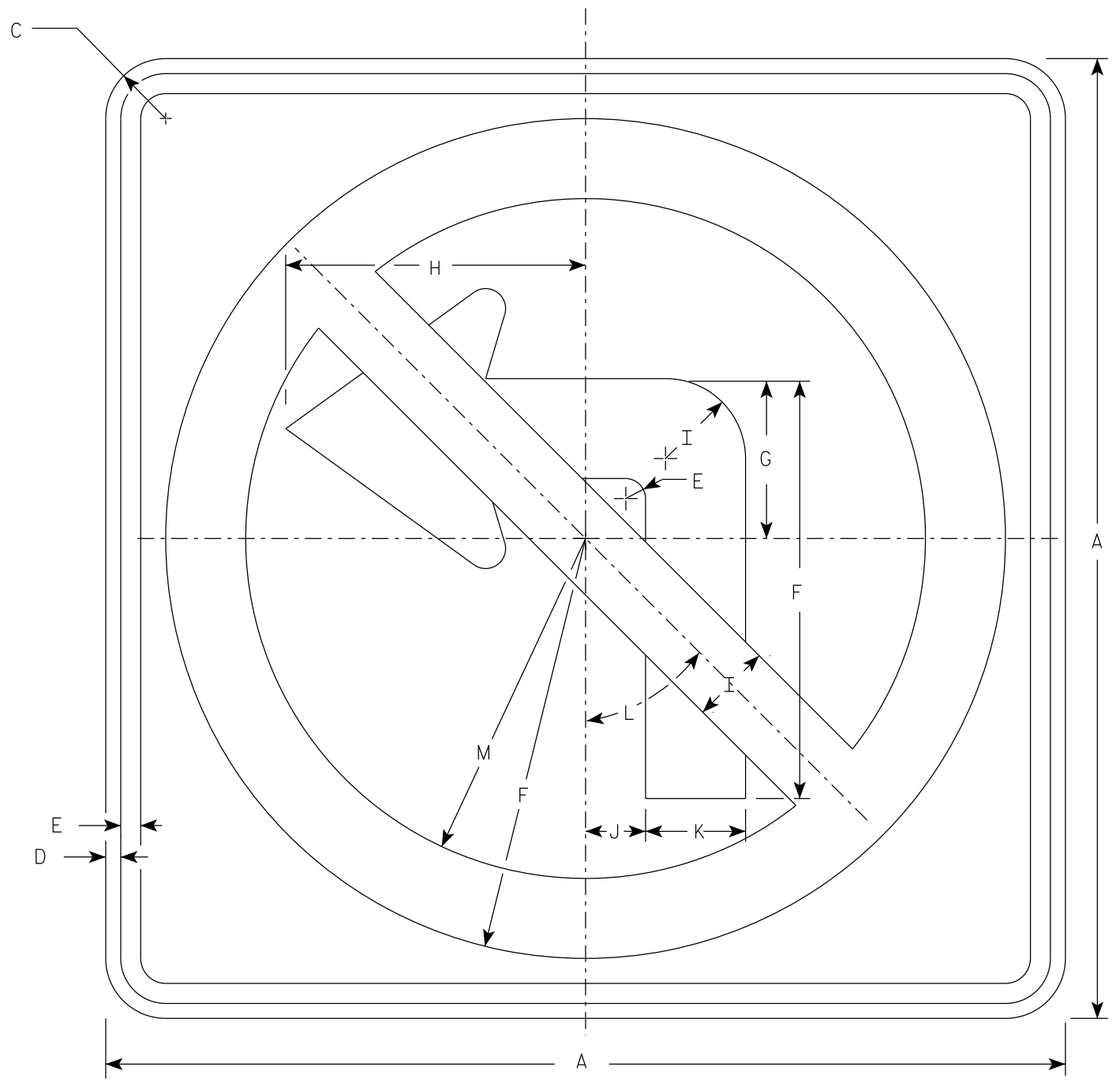
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/2/23 PLATE NO. R3-1.6

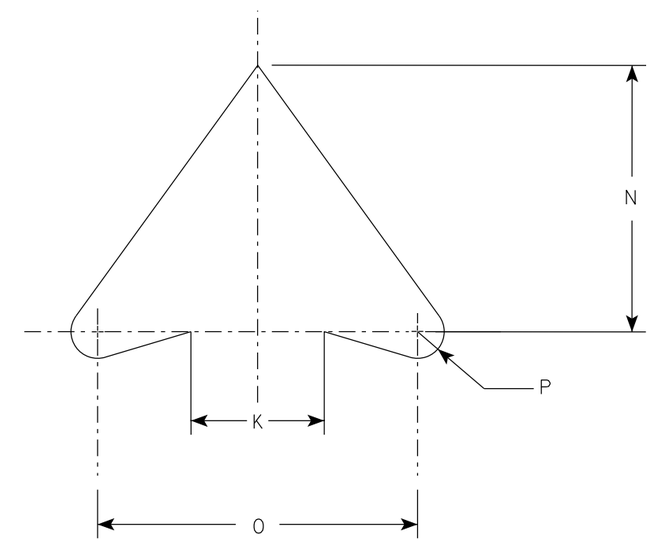
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 158 | E

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.



R3-2



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

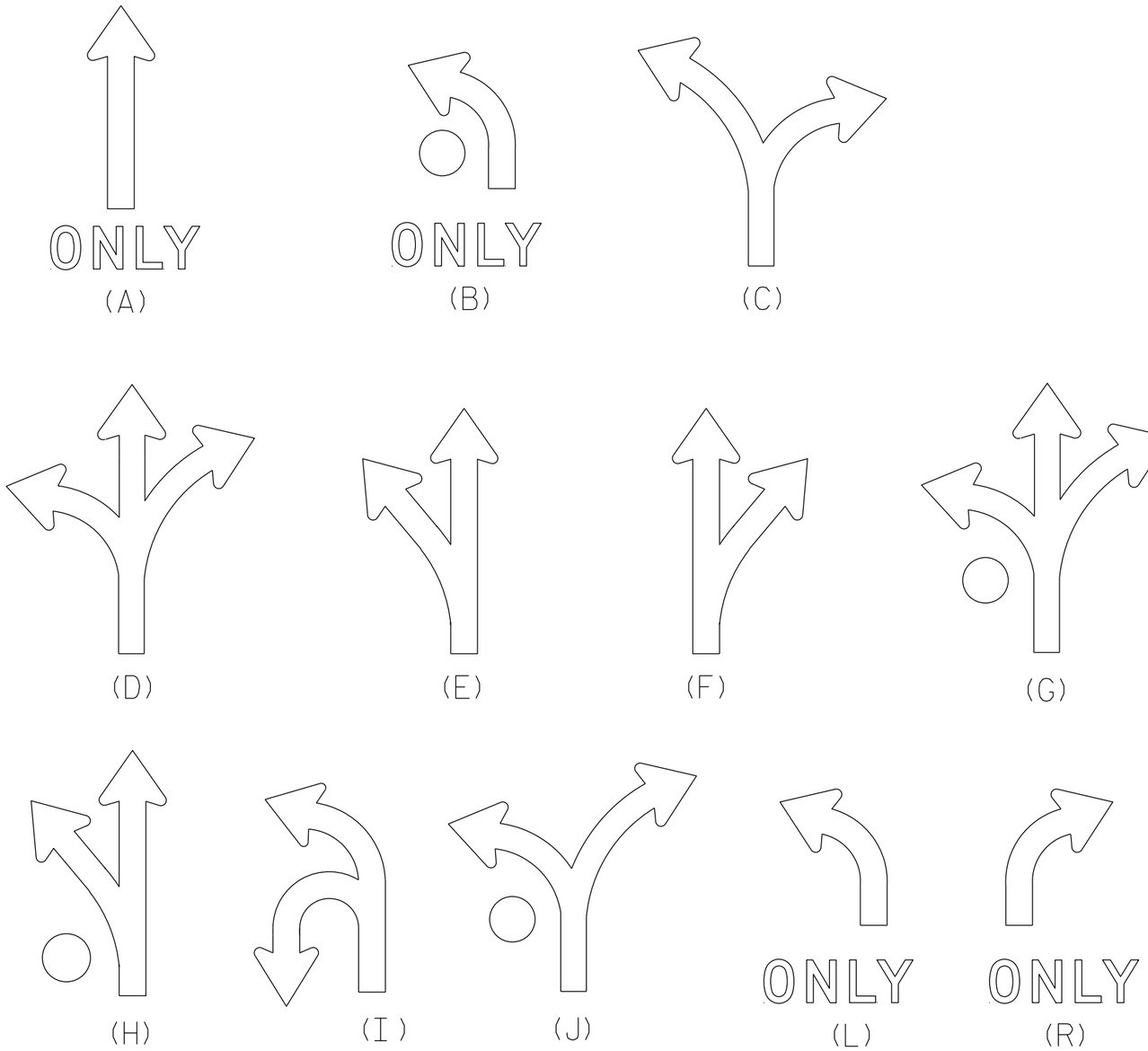
STANDARD SIGN
R3-2

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: 159 | E



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

7

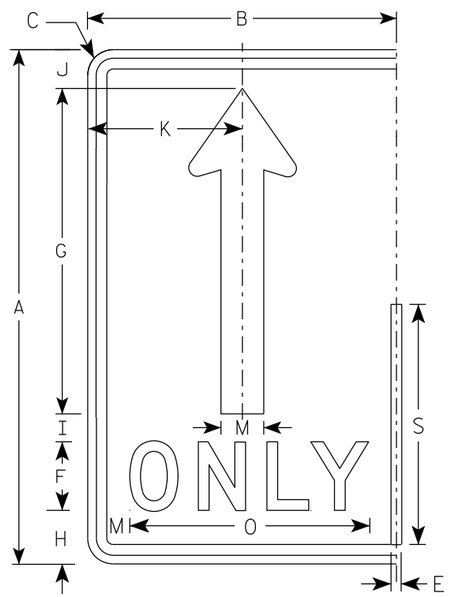
7

PROJECT NO:

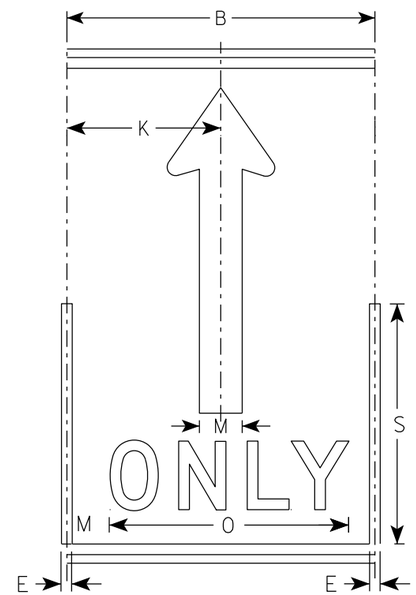
SHEET NO: 160 E

NOTES

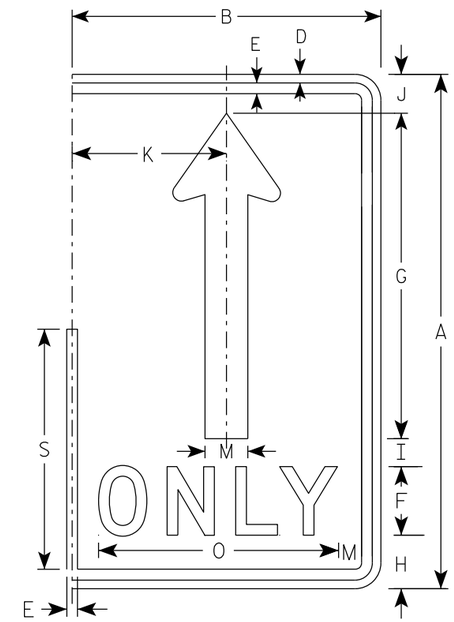
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



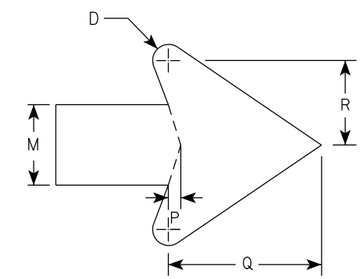
(A)



(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

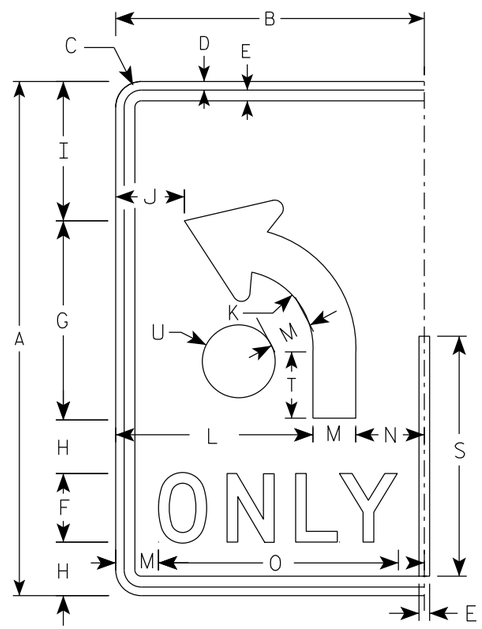
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

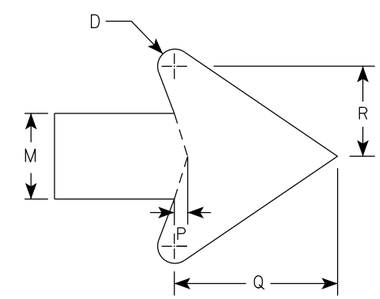
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 161 | E

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

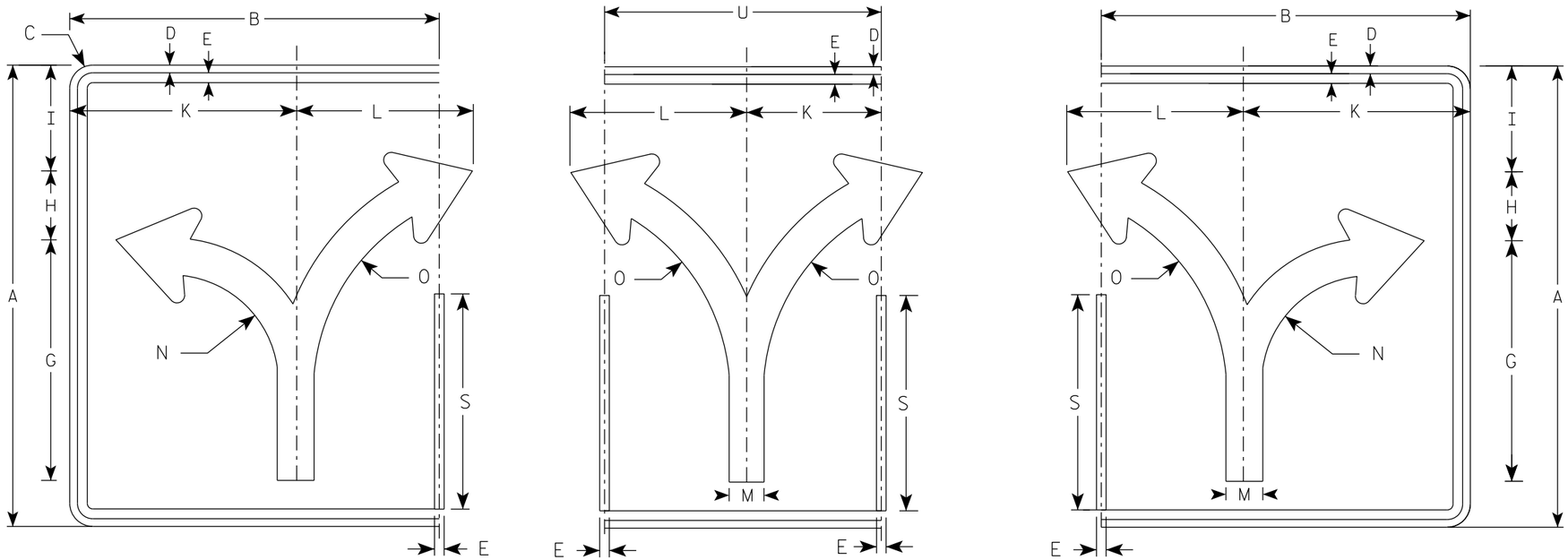
DATE 2/14/23 PLATE NO. R3-8.2

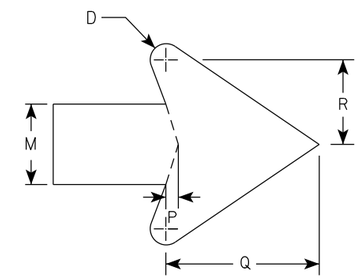
PROJECT NO:

SHEET NO: 162 E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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

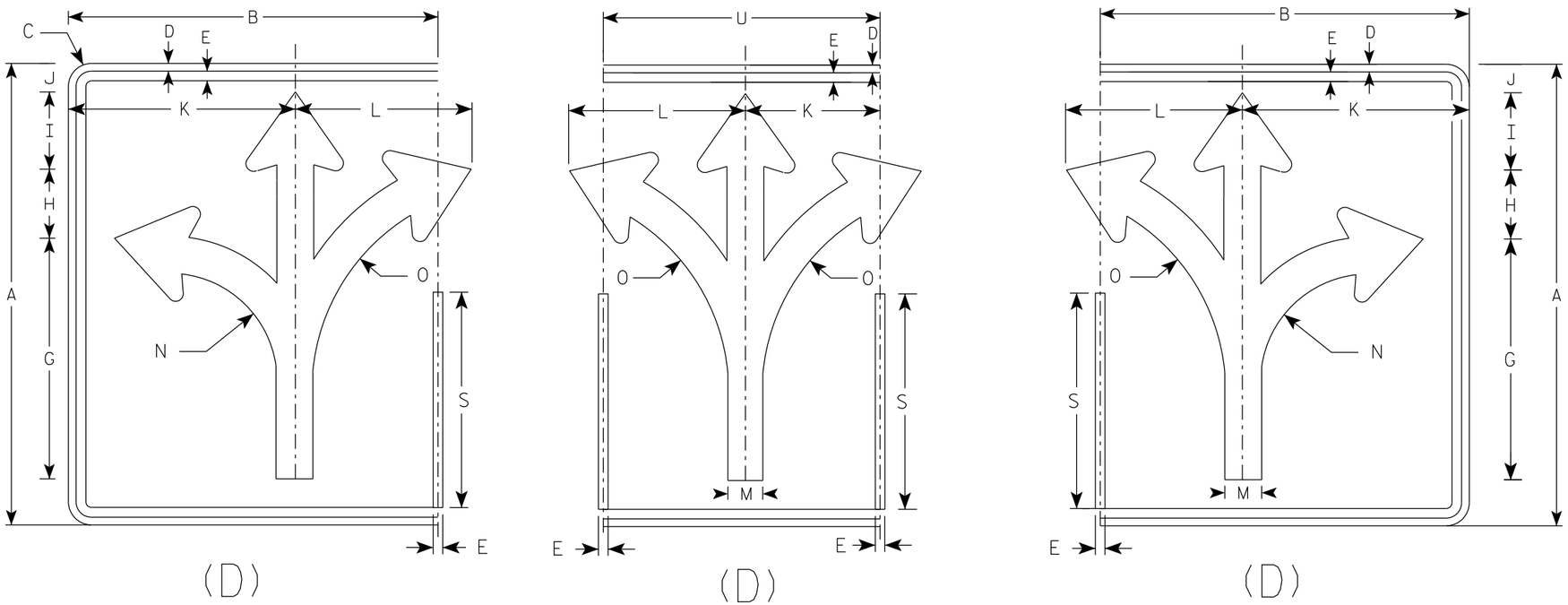
DATE 2/14/23 PLATE NO. R3-8.2

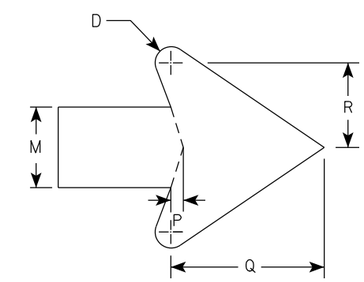
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 163 | E

7

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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

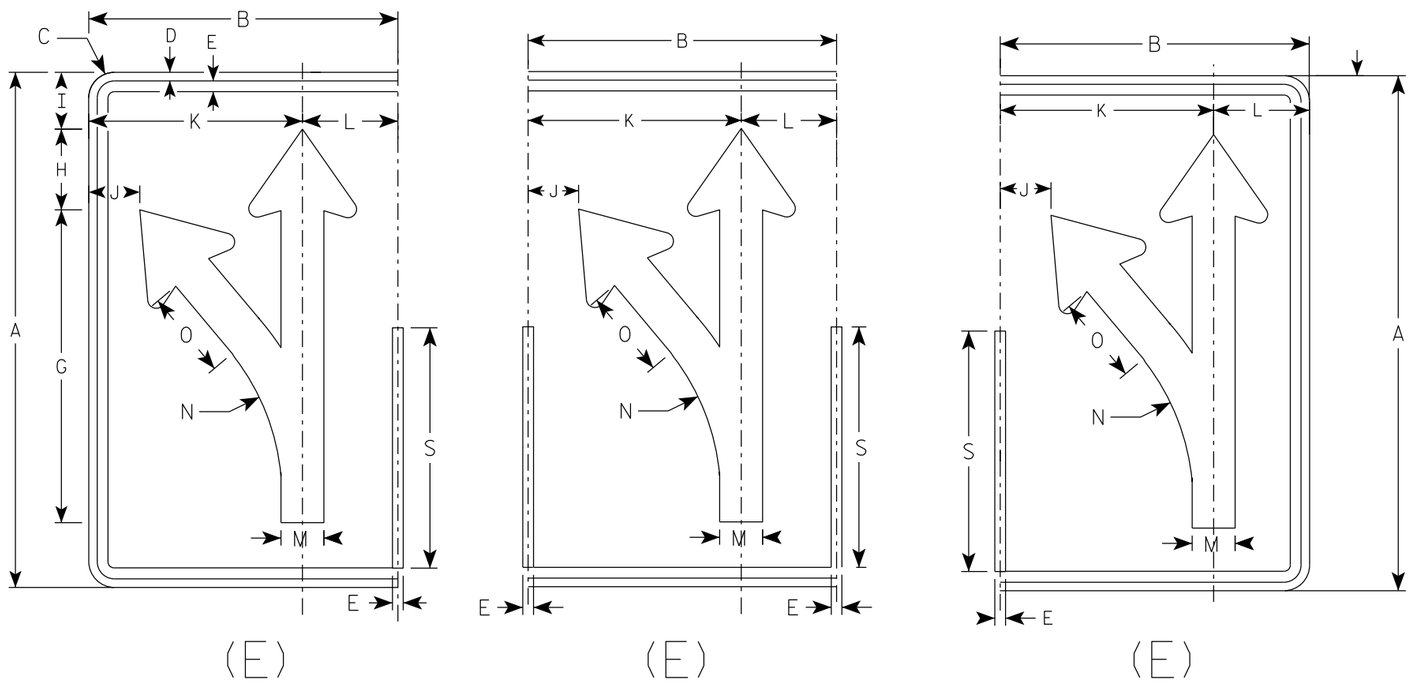
APPROVED Matthew R Rauch
for State Traffic Engineer

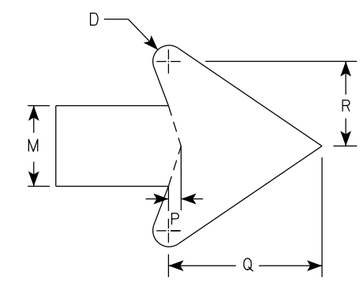
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 164 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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

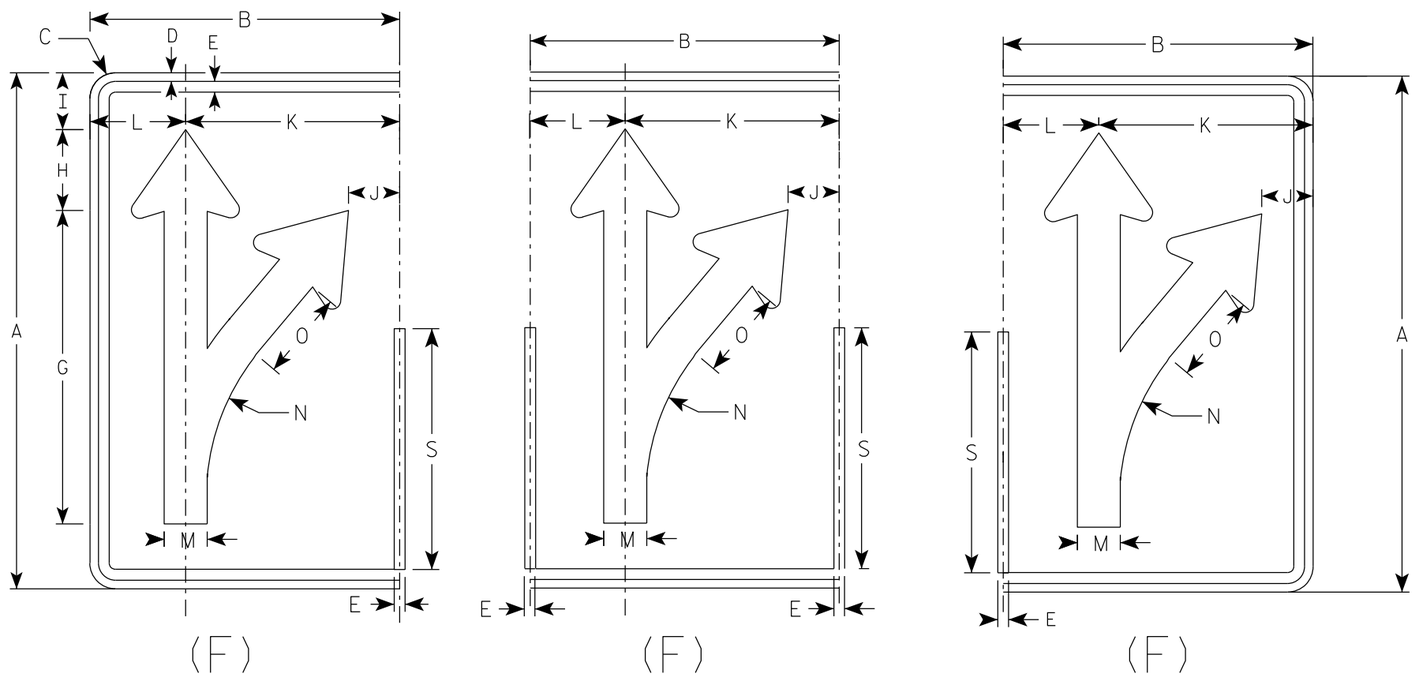
APPROVED Matthew R Rauch
for State Traffic Engineer

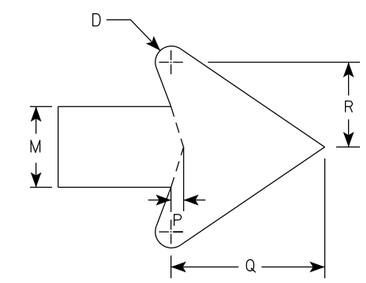
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 165 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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

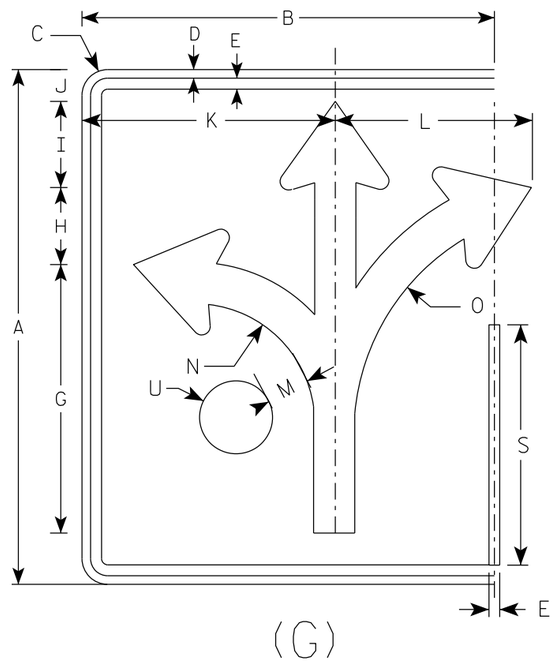
APPROVED Matthew R Rauch
For State Traffic Engineer

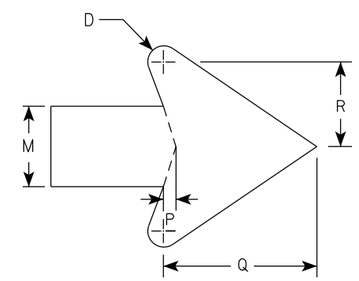
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 166 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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

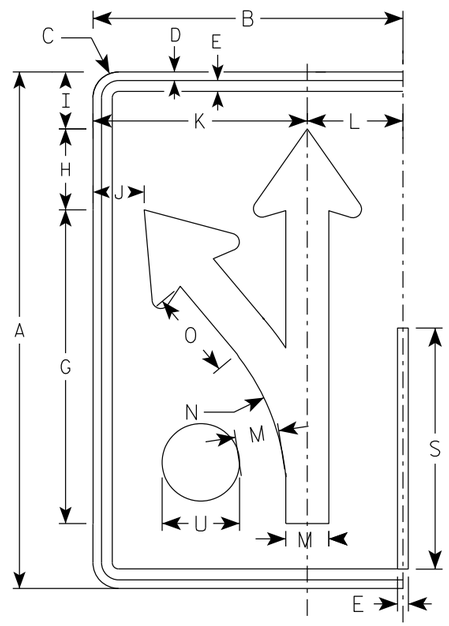
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/14/23 PLATE NO. R3-8.2

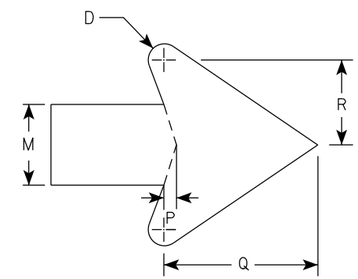
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 167 | E

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

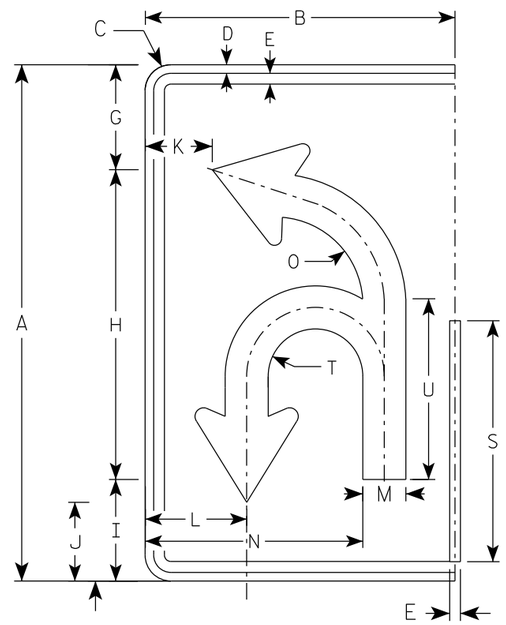
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 168 | E

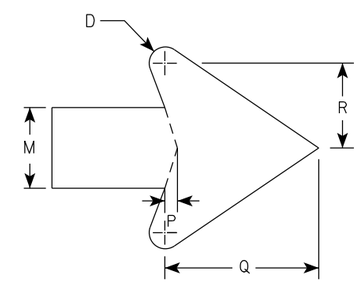
7

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

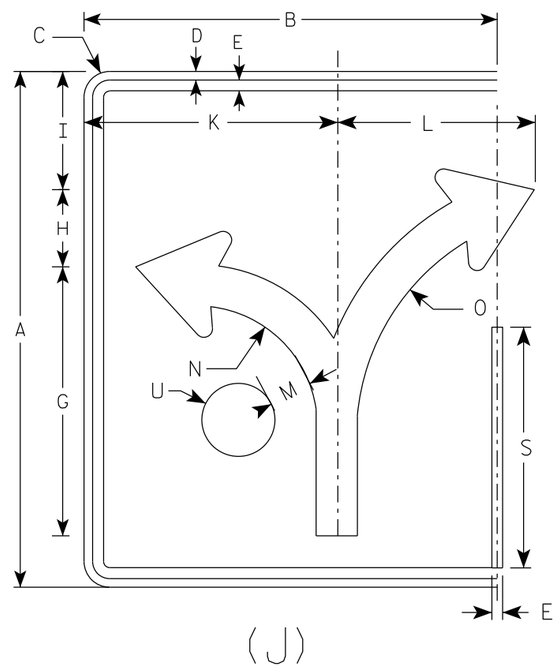
APPROVED Matthew R Rauch
For State Traffic Engineer

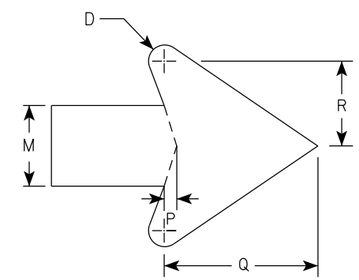
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 169 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None





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

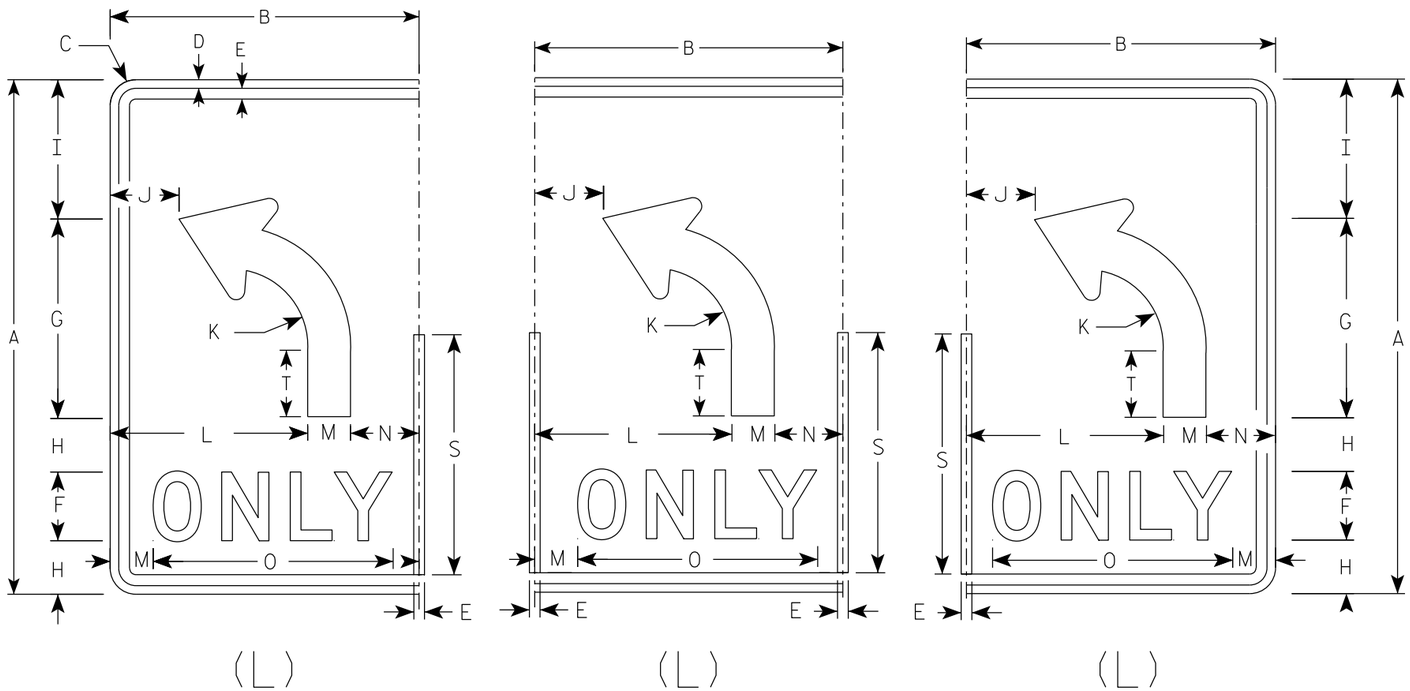
APPROVED Matthew R Rauch
for State Traffic Engineer

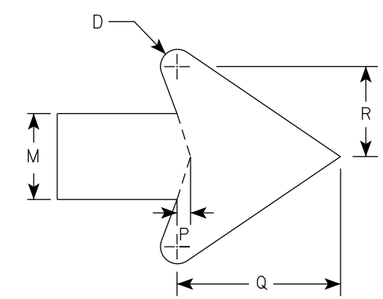
DATE 2/14/23 PLATE NO. R3-8.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 170 | E

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	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 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

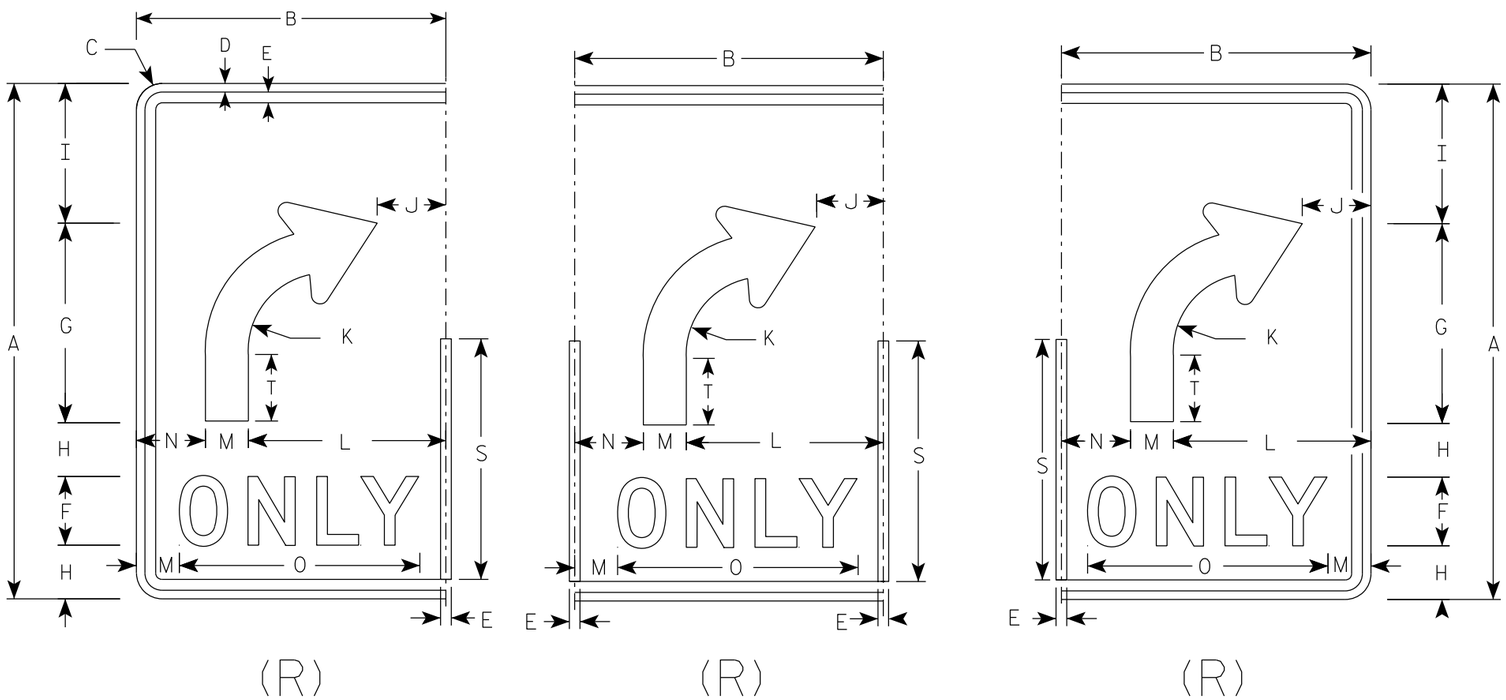
DATE 2/14/23 PLATE NO. R3-8.2

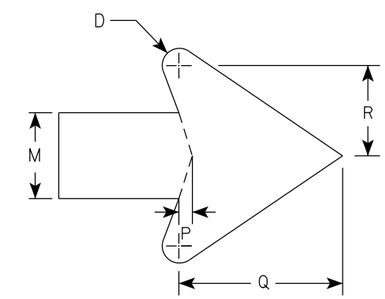
PROJECT NO:

SHEET NO: 171 E

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	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

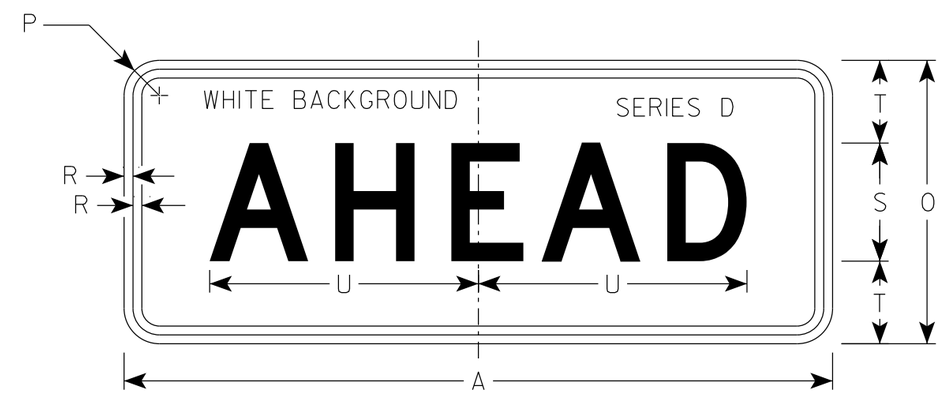
PROJECT NO:

SHEET NO: 172 E

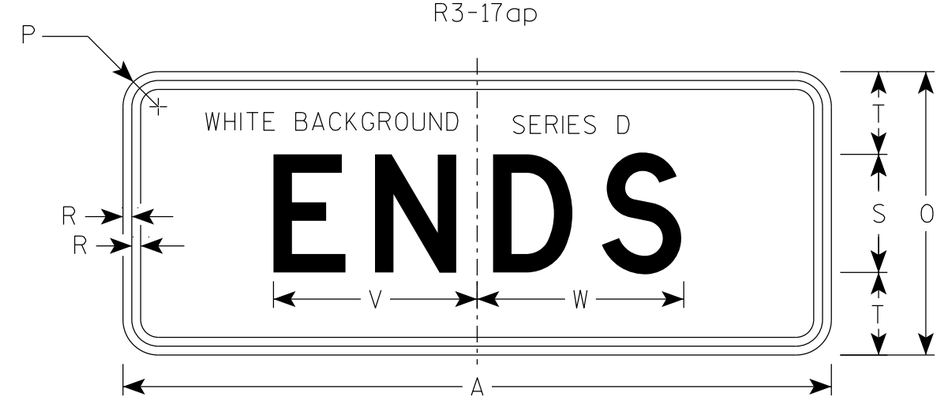
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted

R3-17



R3-17ap



R3-17bp

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	R3-17 Areq sq. ft.	R3-17ap Areq sq. ft.	R3-17bp Areq sq. ft.
1																													
2S	30	24	1 1/2	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/2	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/2	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/2	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

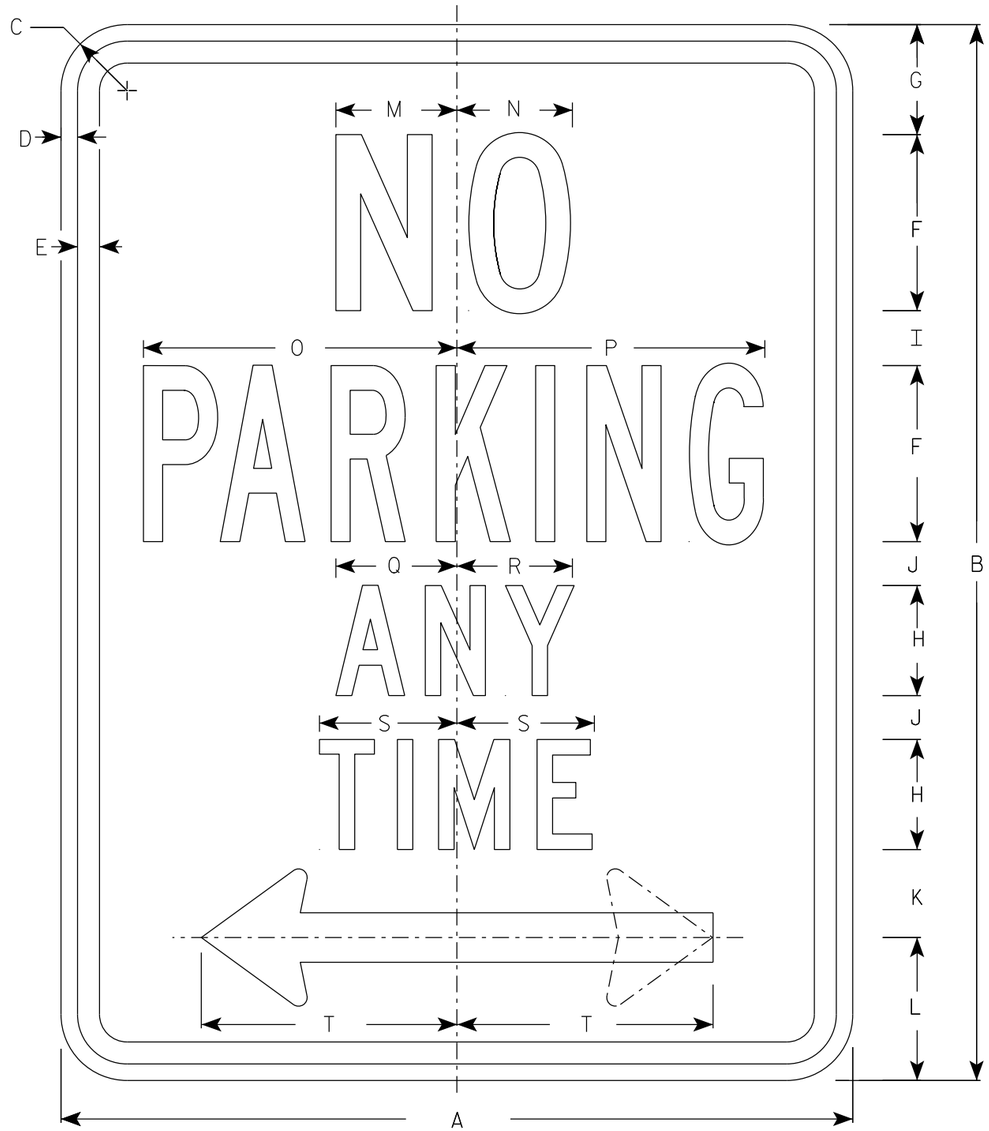
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/23 PLATE NO. R3-17.3

PROJECT NO:

SHEET NO: 173 E

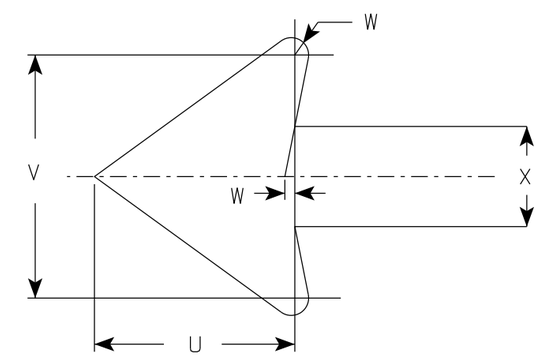


R7-1

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 1/2	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	2 1/4	2 1/8	2 1/2	3 7/8	1 1/2	1 3/4	1/8	3/4			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	2 3/4	2 5/8	3 1/8	5 7/8	2 1/4	2 5/8	1/4	1 1/8			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	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			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	3 1/4	3 1/4	3 3/4	7 3/4	3	3 1/2	1/4	1 1/2			5.0
4																											
5																											

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

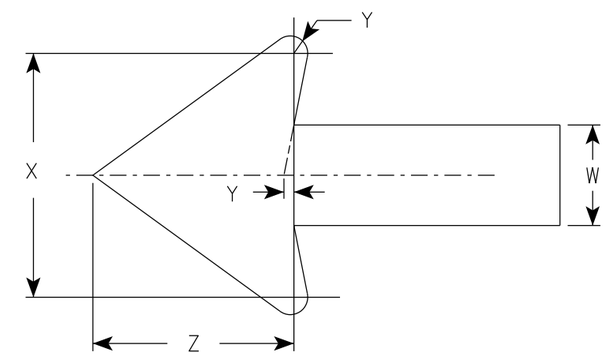
DATE 10/26/23 PLATE NO. R7-1.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 174	E

R7-51

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.
4. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/2	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/2	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

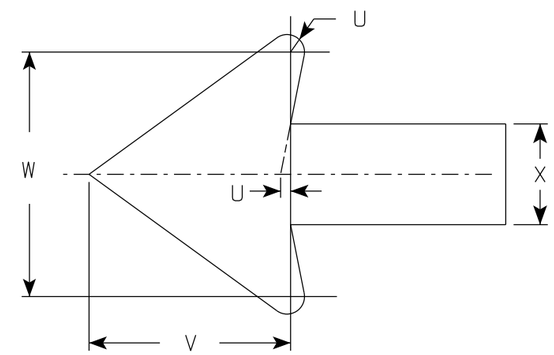
DATE 11/9/23 PLATE NO. R7-51.7

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 175	E

R7-52

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. R7-52D (double arrow)
   R7-52L (left arrow)
   R7-52R (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/2	3/8	3/8	3	1 7/8	1 1/2	7/8	7/8	2	2 1/2	2	2	4 7/8	4 7/8	3 7/8	3 3/4	2 3/8	3 7/8	1/8	1 1/2	1 3/4	3/4			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	6 3/8	6 1/4	3 7/8	5 7/8	1/4	2 1/4	2 5/8	1 1/8			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 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			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 5/8	7 5/8	4 3/4	7 3/4	1/4	3	3 1/2	1 1/2			5.0
4																											
5																											

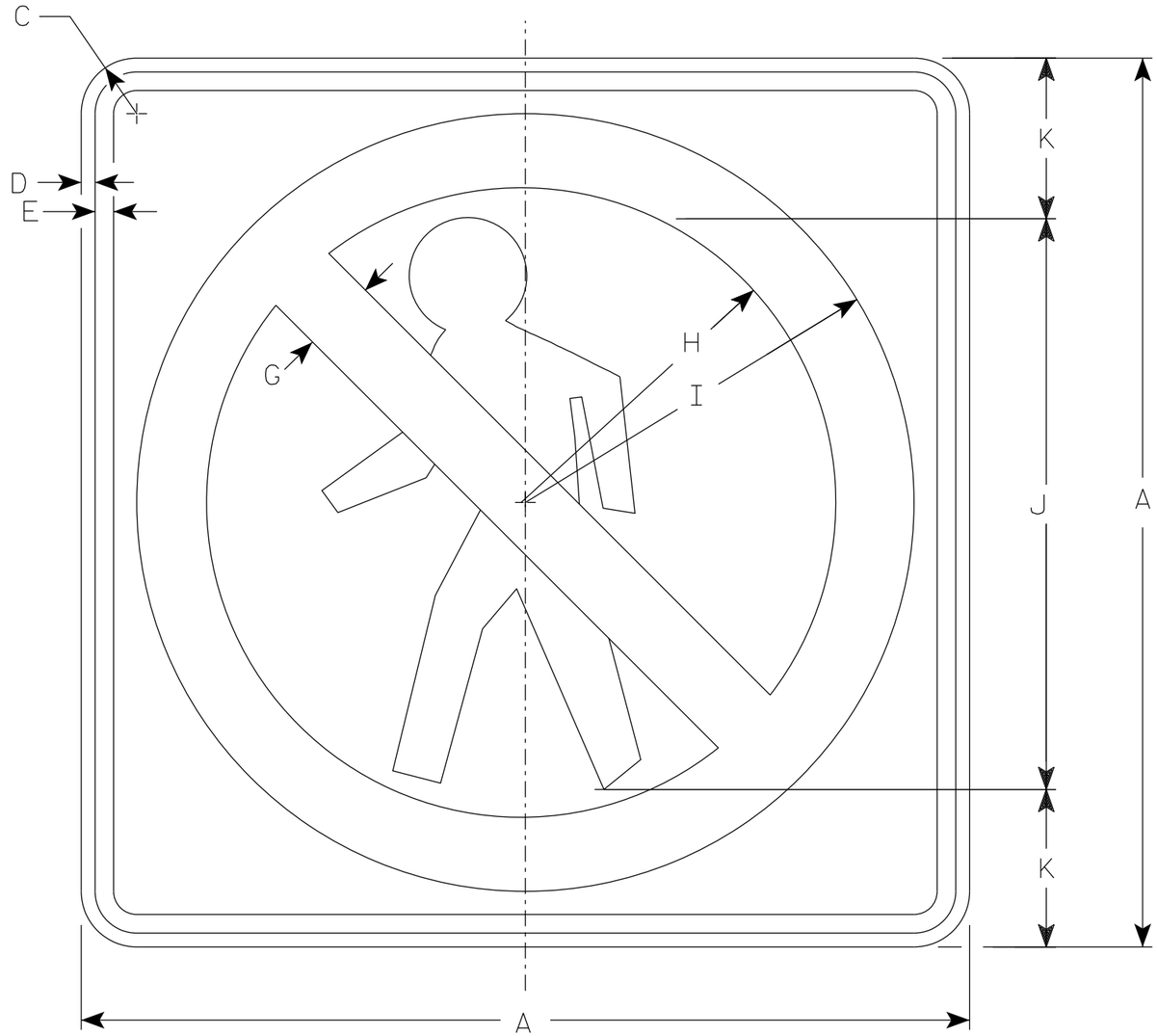
STANDARD SIGN
R7-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/9/23 PLATE NO. R7-52.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 176	E



R9-3A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - See note 3
3. Border & Pedestrian are non-reflective black.
   Circle with diagonal bar is reflective red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/2	3/8	3/8		1 1/2	6 1/4	7 7/8	12	3																2.25
2S	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
2M	24		1 1/2	3/8	1/2		2	8 1/2	10 1/2	15	4																4.00
3																											
4																											
5																											

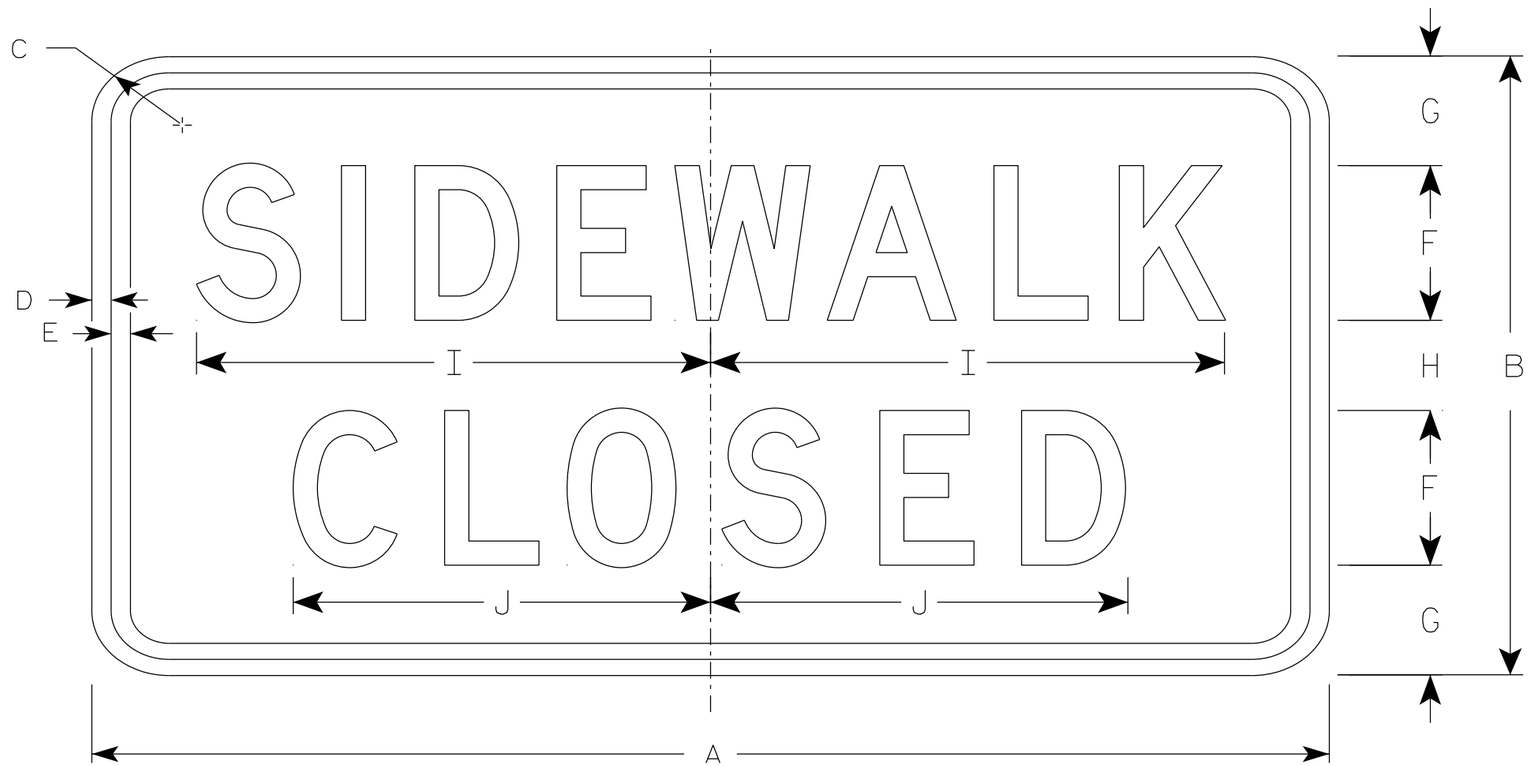
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/23/24 PLATE NO. R9-3A.4

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 177 | 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 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 1/2	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 1/2	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

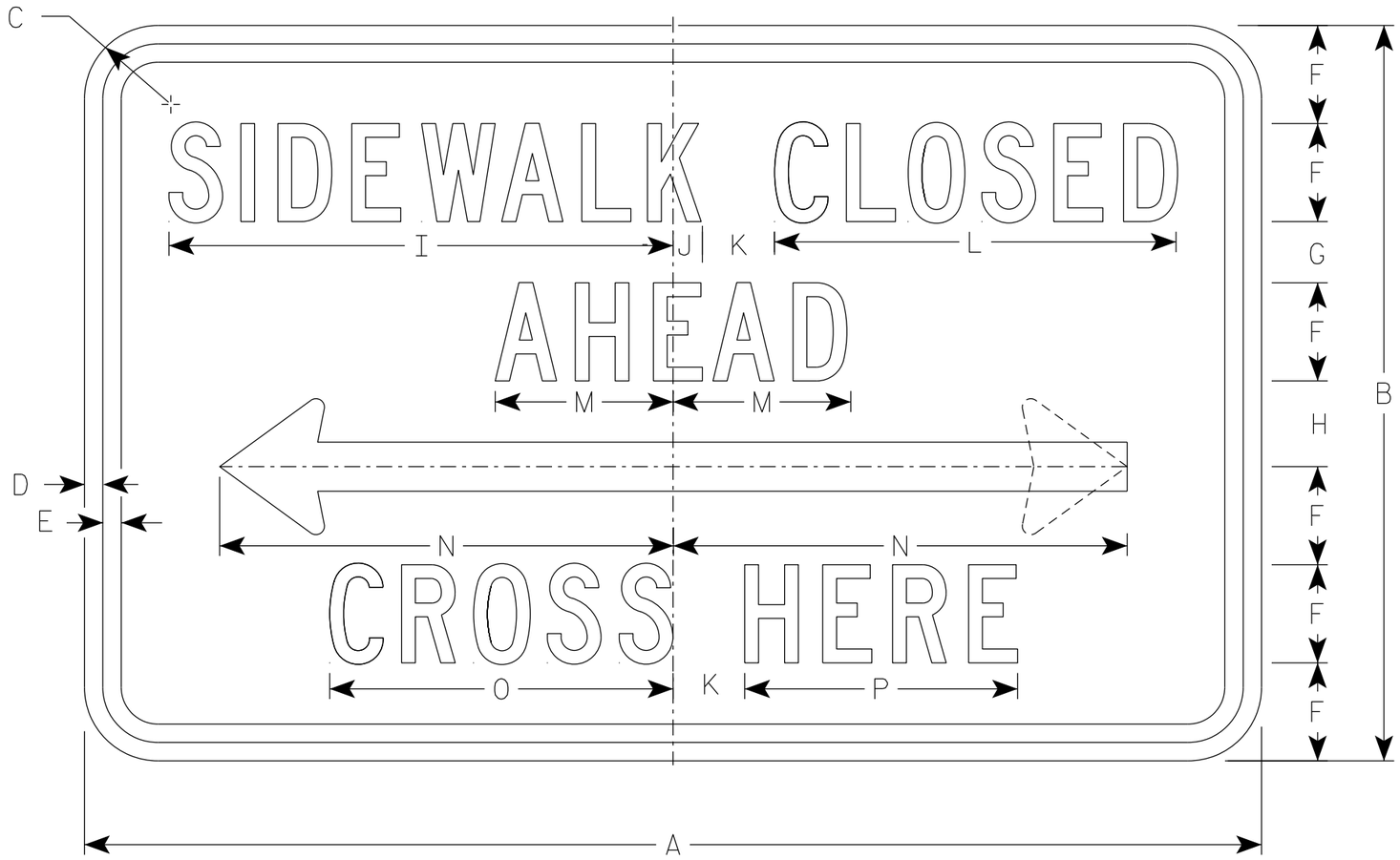
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

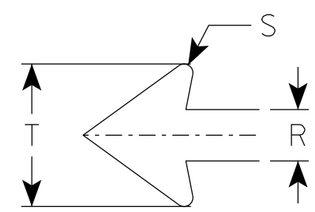
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-9.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 178 | 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

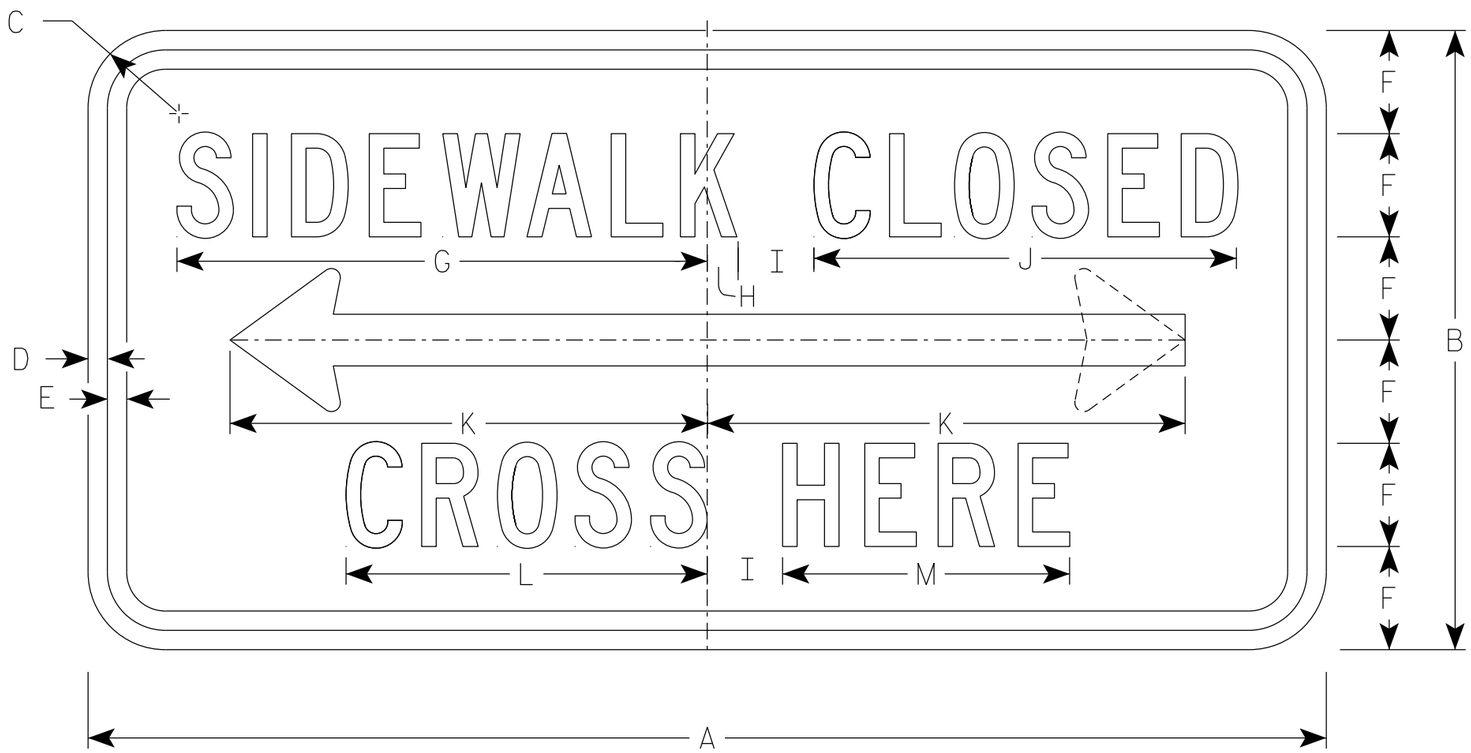
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-11.5

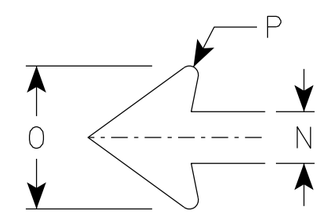
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 179 | E

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.
5. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



R9-11A



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	24	12	1 1/2	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/2	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/2	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

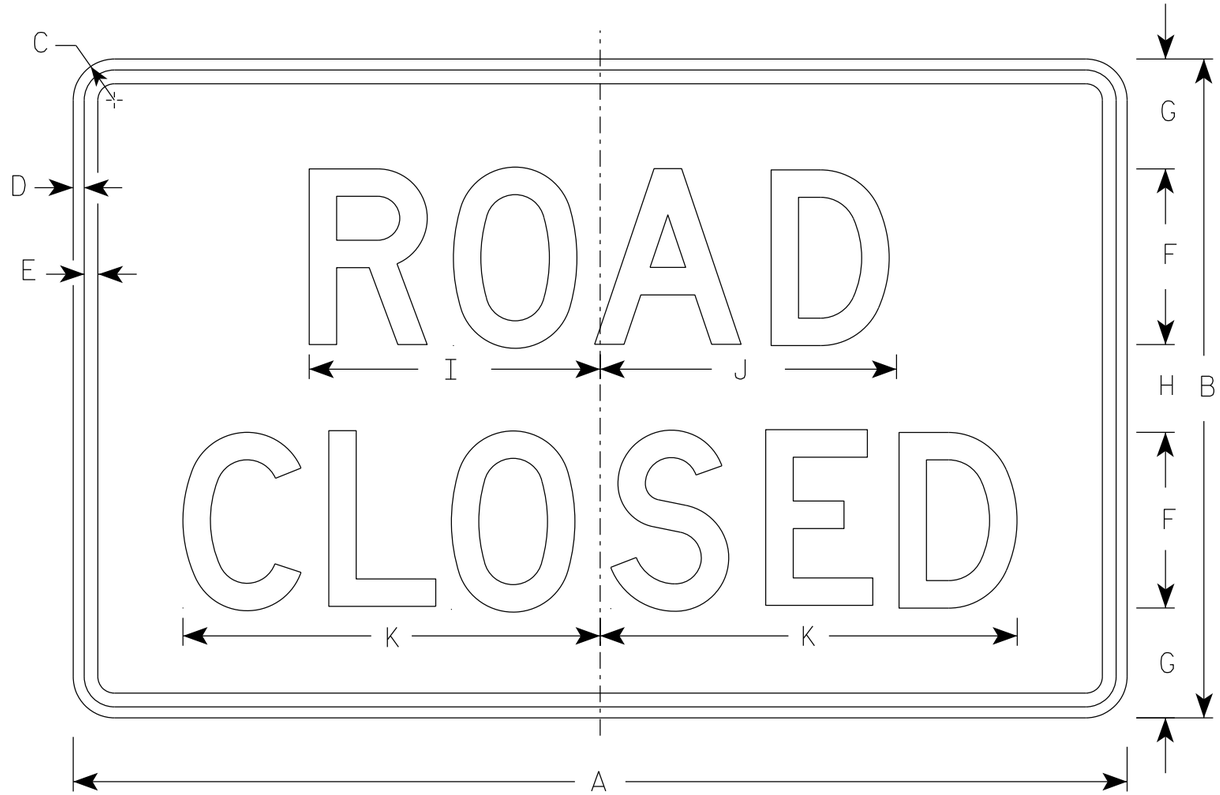
STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 1/24/24 PLATE NO. R9-11A.6

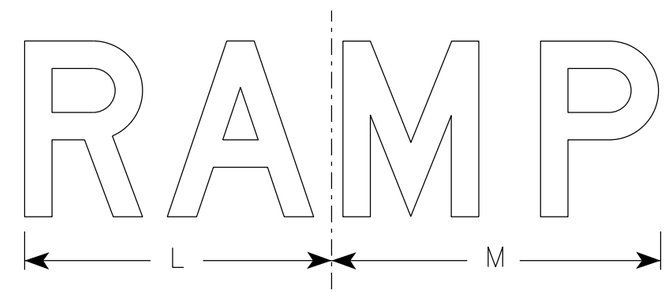
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 180 | E



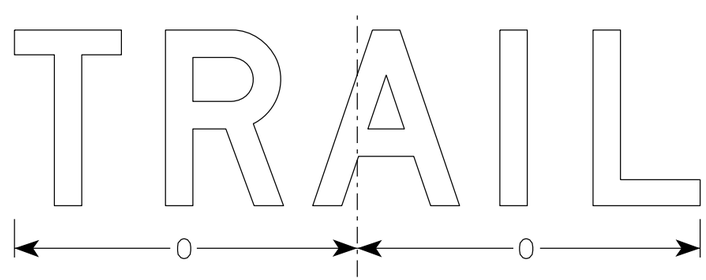
R11-2

NOTES

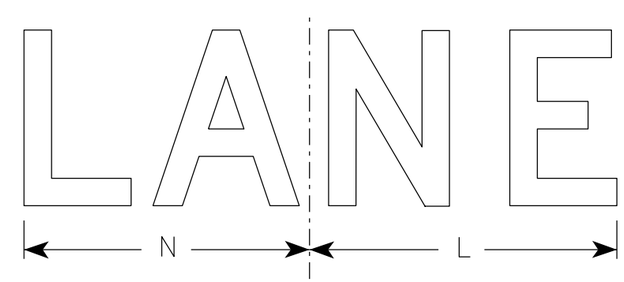
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the 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

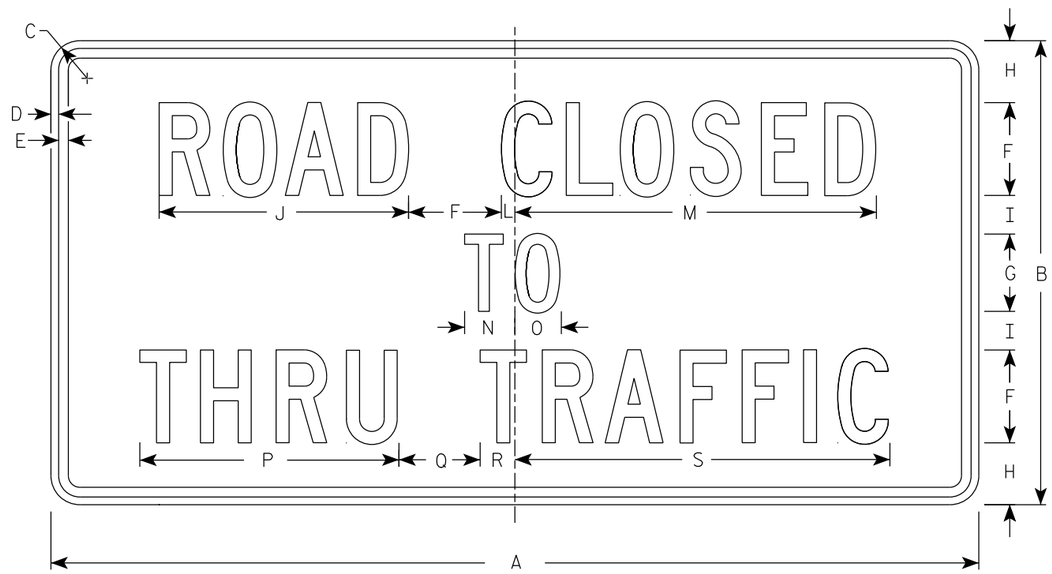
STANDARD SIGN
R11-2

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



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																											

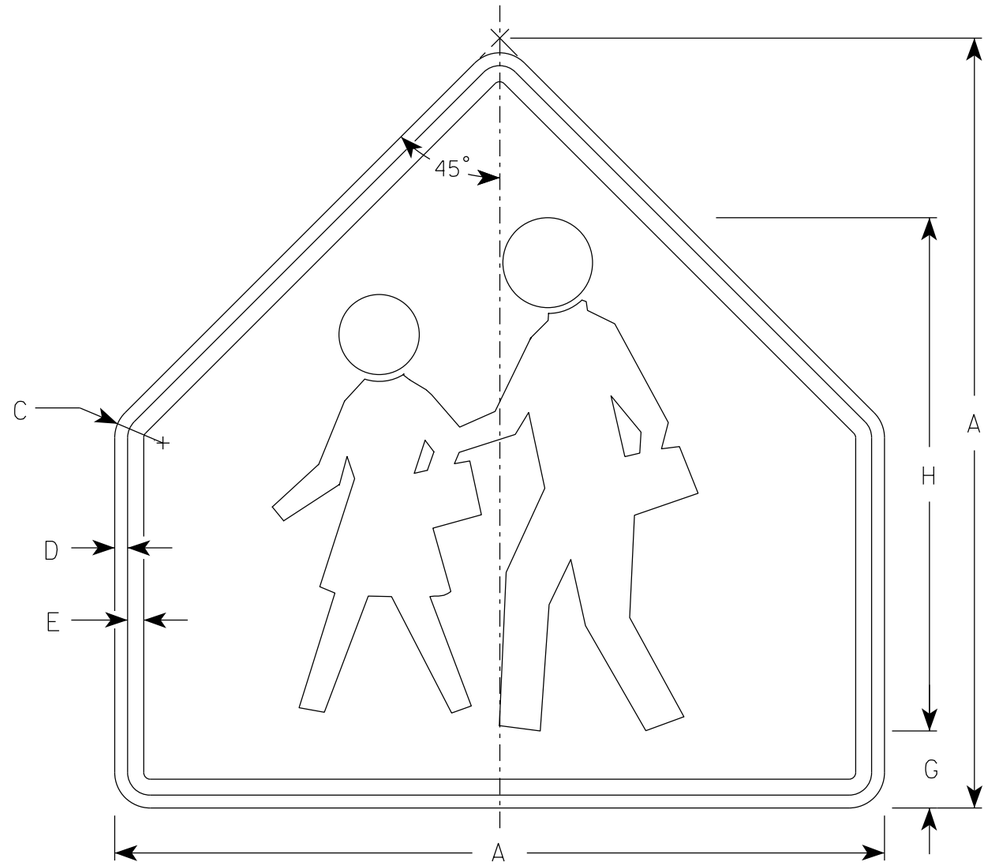
STANDARD SIGN
R11 - 4

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: 182 | E



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																											

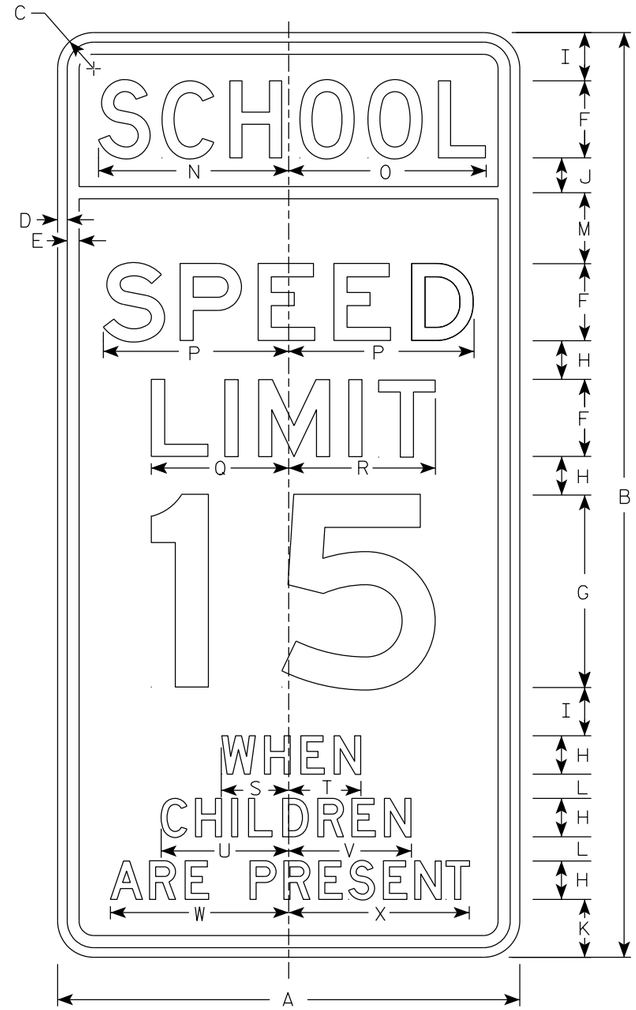
STANDARD SIGN
S1-1

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: | E



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																											

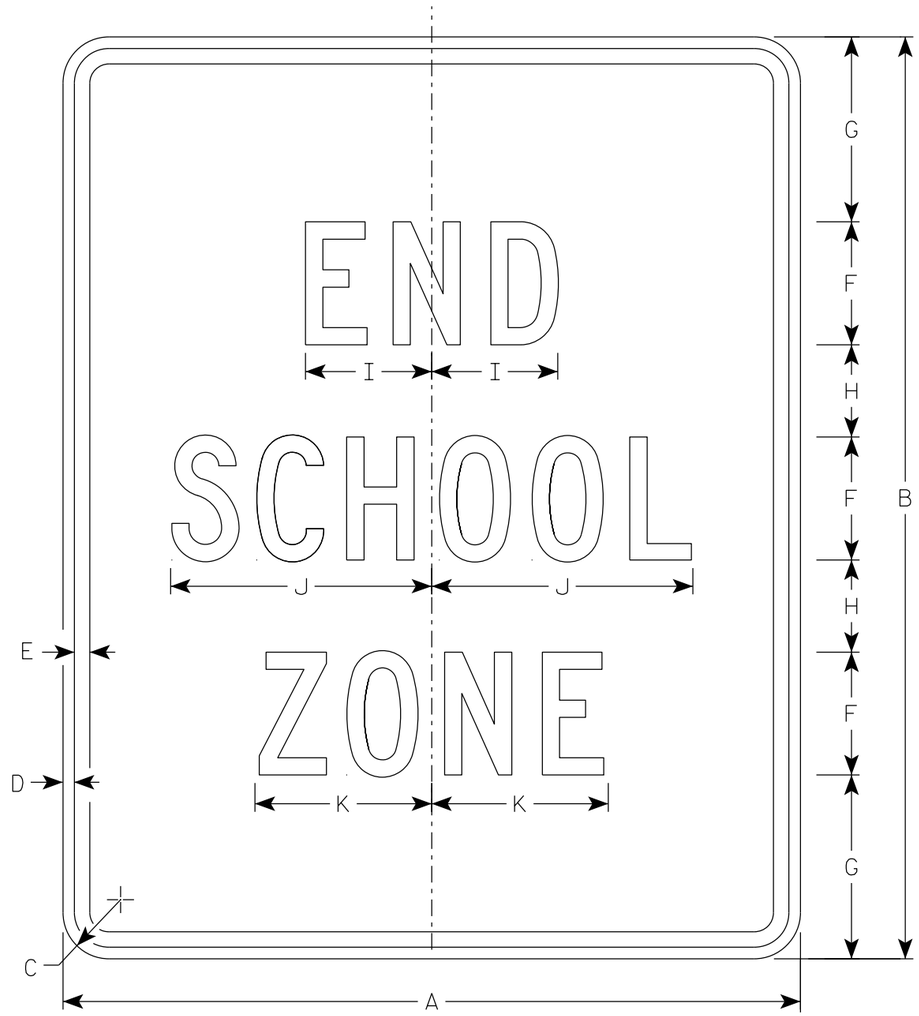
STANDARD SIGN
S4-51

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: 184 | 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

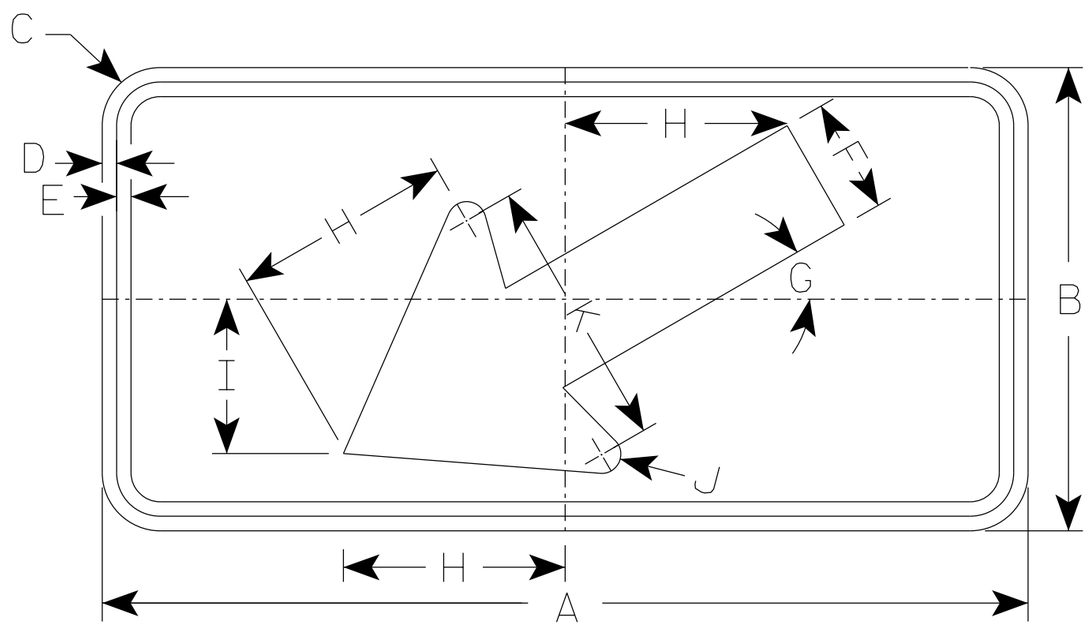
APPROVED Matthew R Rauch
for State Traffic Engineer

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. S16-7R is the same as S16-7L except the arrow is reversed along the vertical centerline.



S16-7L

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	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	1 1/2	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1 7/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5																											

STANDARD SIGN

S16-7

WISCONSIN DEPT OF TRANSPORTATION

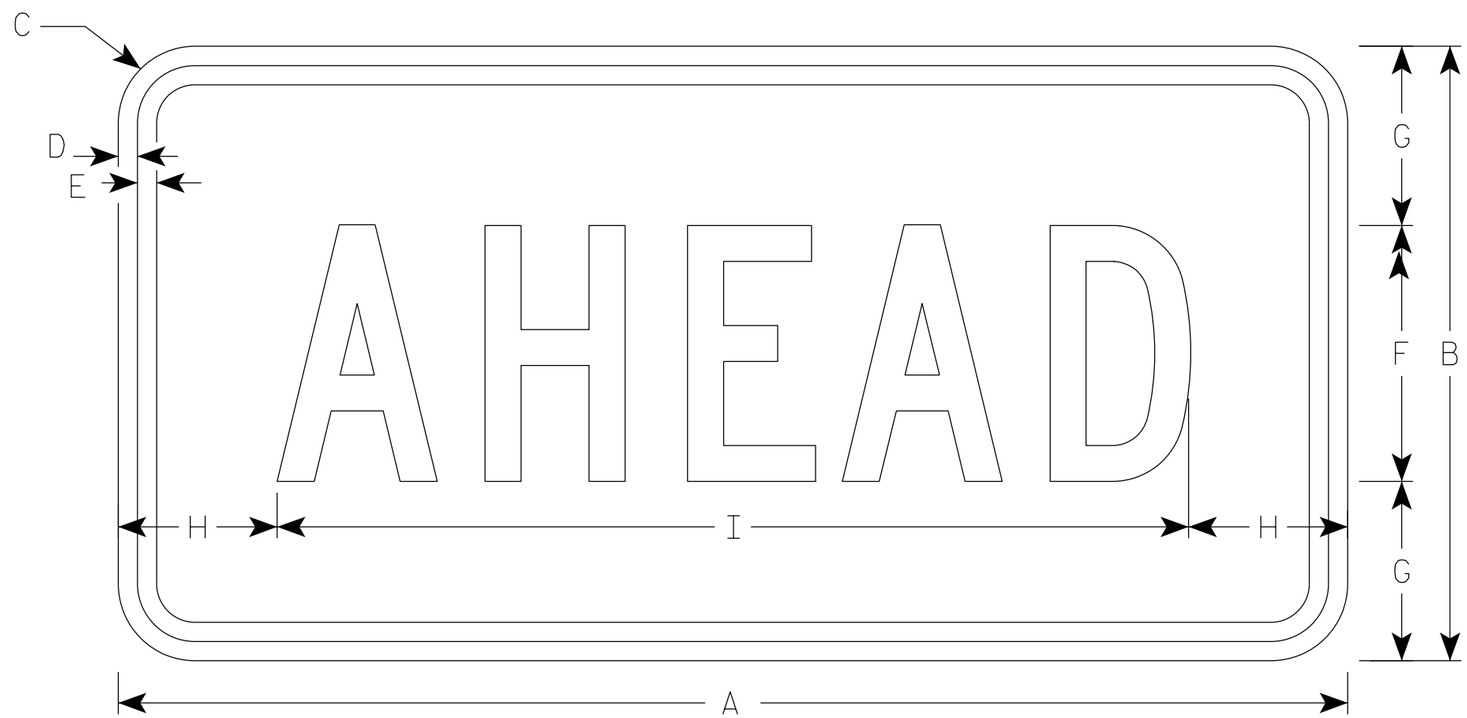
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 186 | 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																											

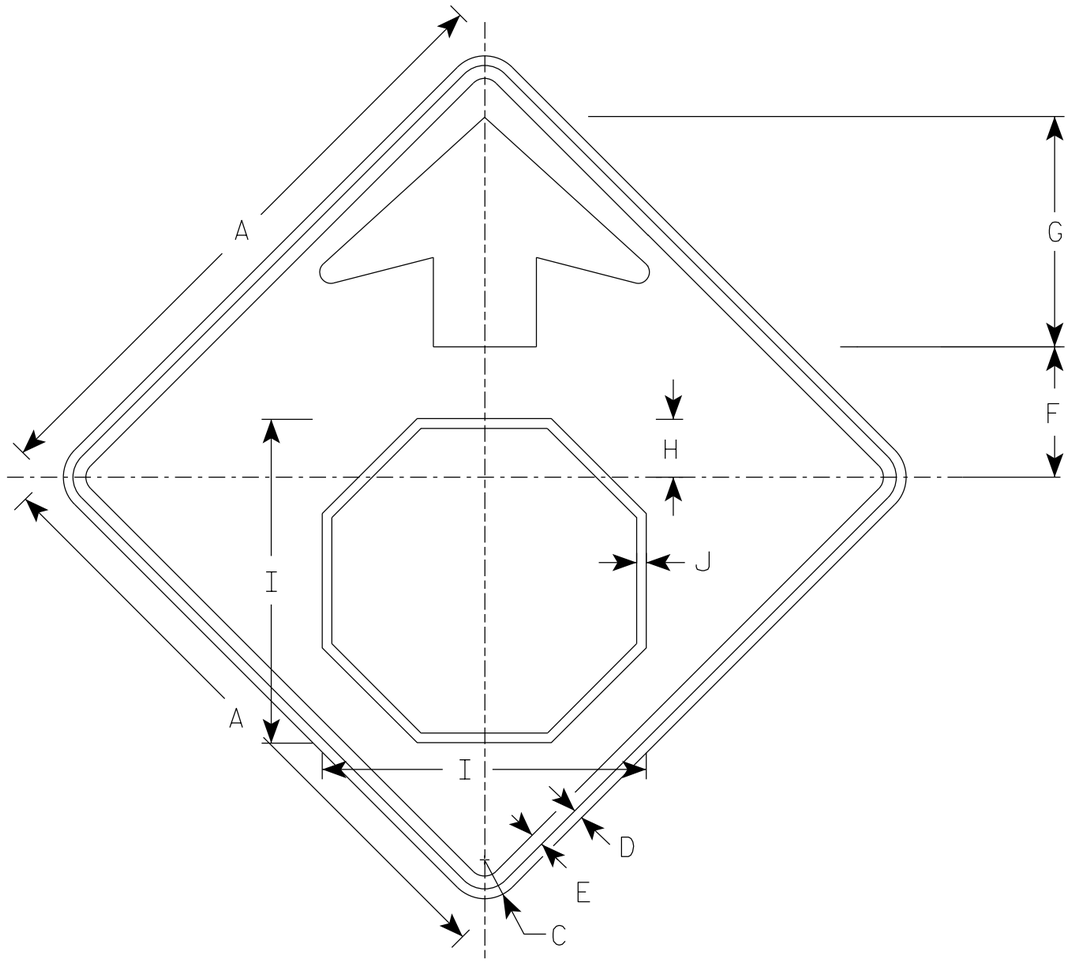
STANDARD SIGN
S16-9P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/23/2023 PLATE NO. S16-9P.2

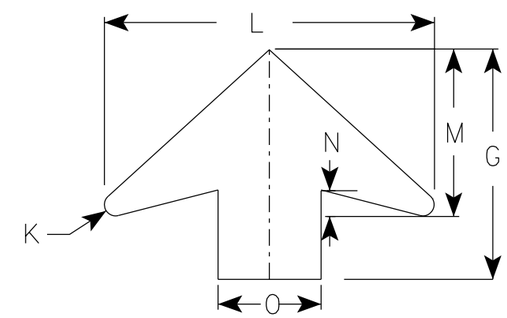
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W3-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Arrow & Border - Black
   Stop Symbol - White Border on Red Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 7/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		2 1/4	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		3	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

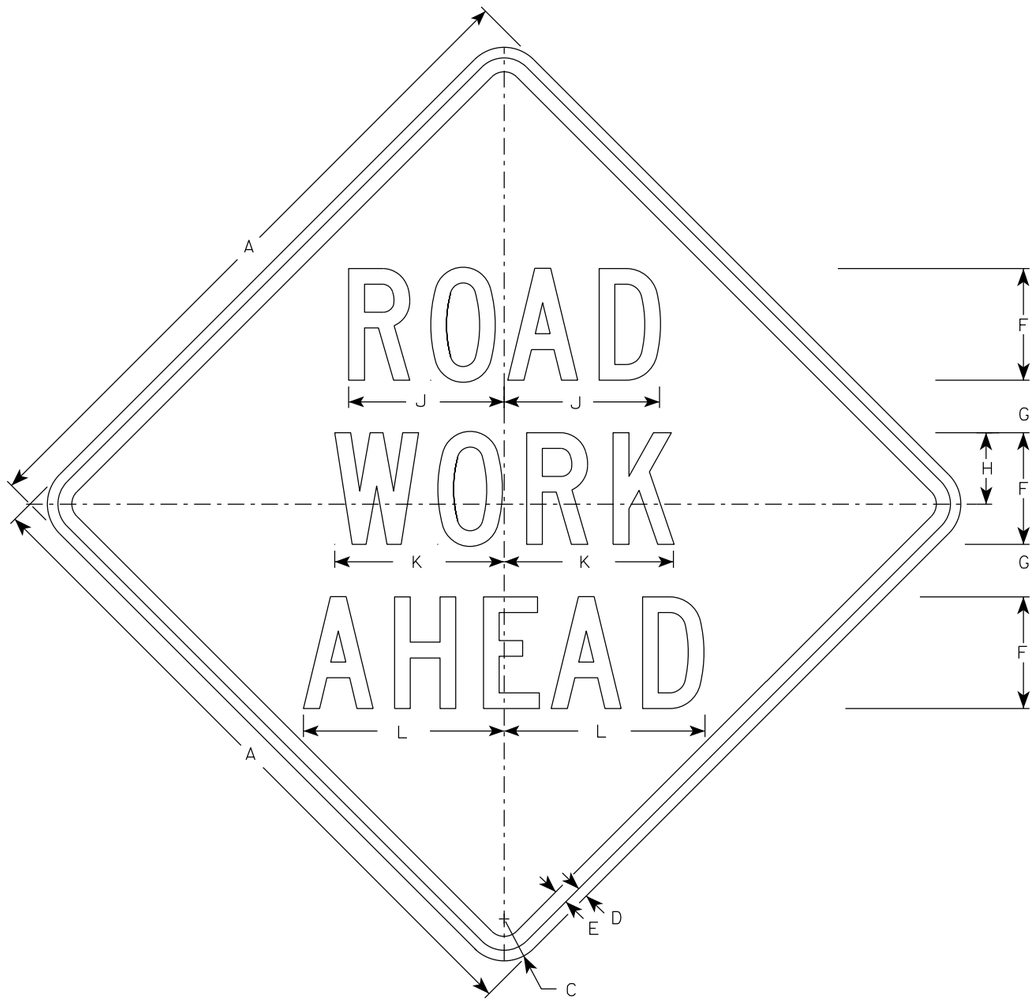
DATE 8/17/2023 PLATE NO. W3-1.13

PROJECT NO:

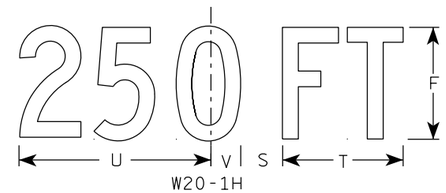
SHEET NO: 188 E

NOTES

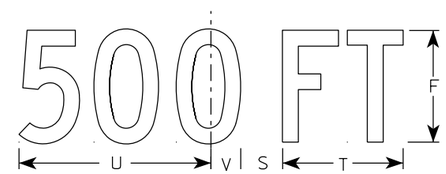
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



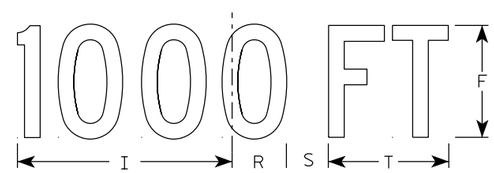
W20-1A



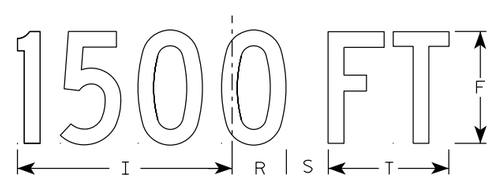
W20-1H



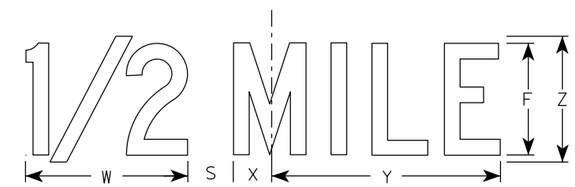
W20-1D



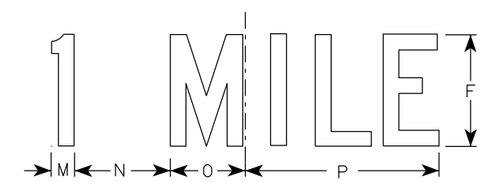
W20-1C



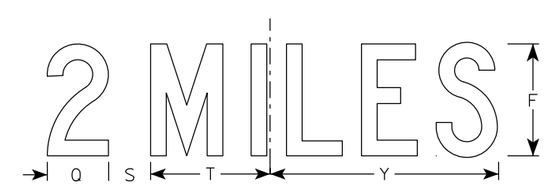
W20-1B



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:

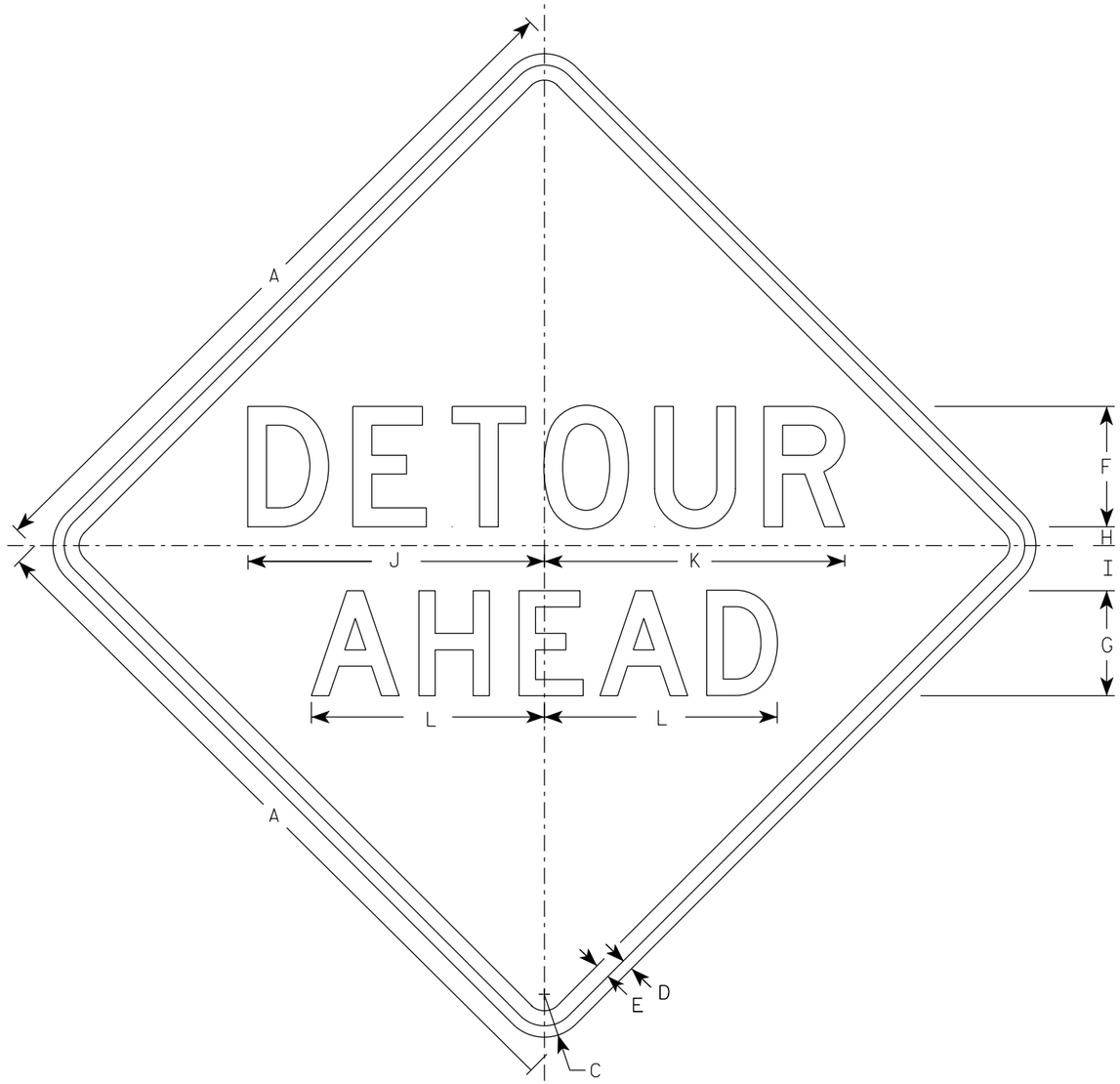
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

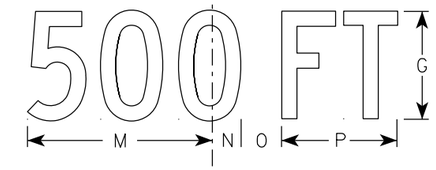
WISDOT/CADDS SHEET 42

7

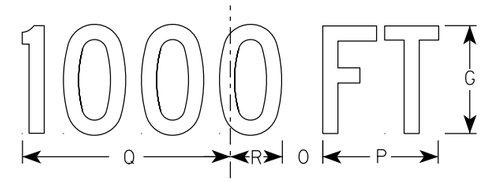
7



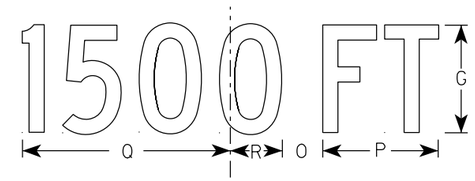
W20-2A



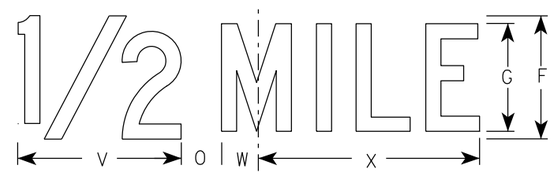
W20-2D



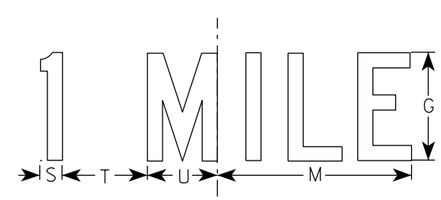
W20-2C



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

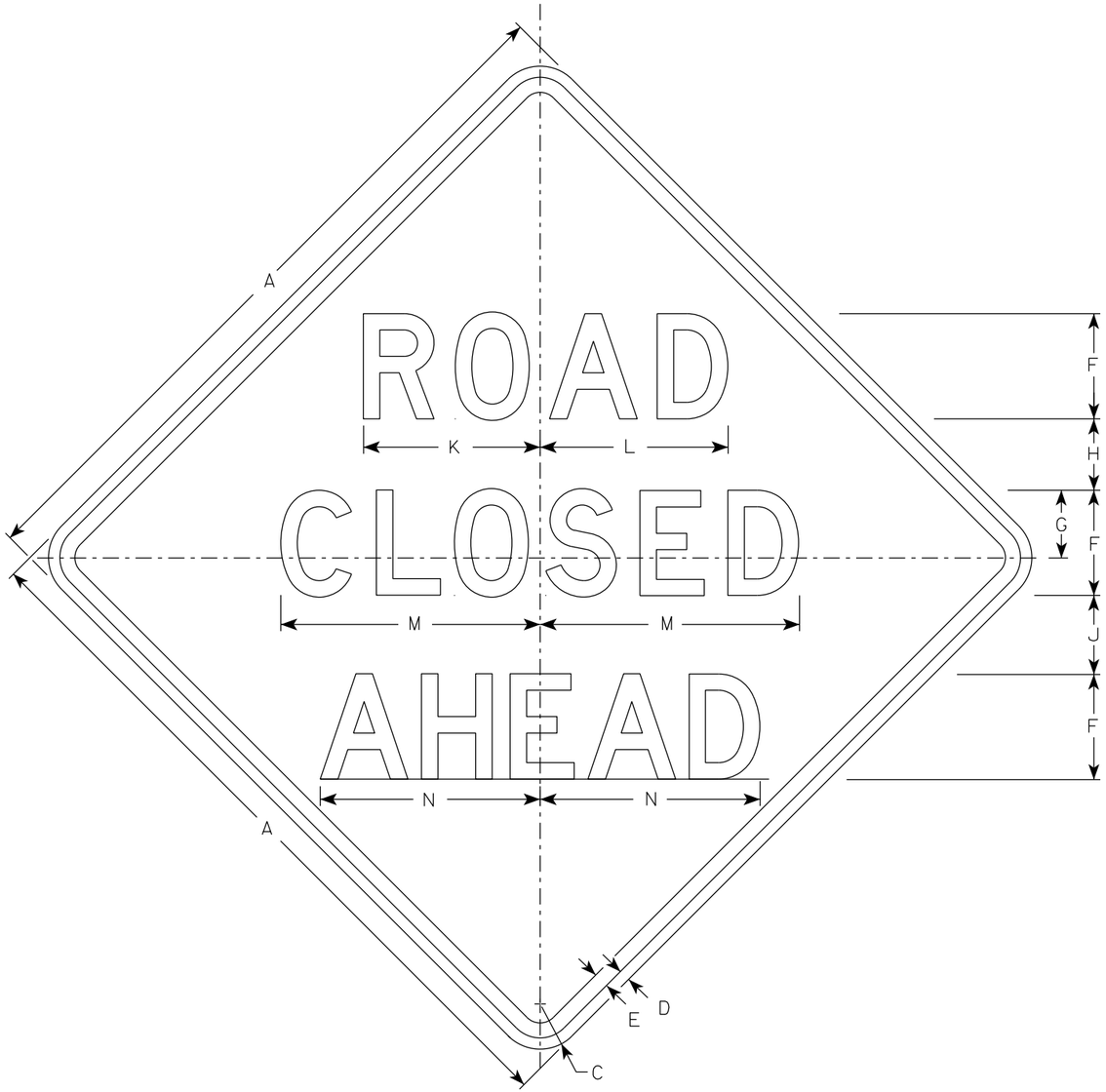
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

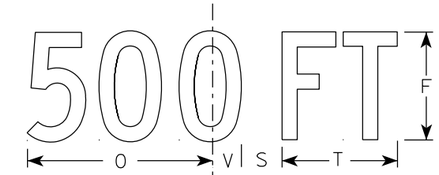
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-2.7

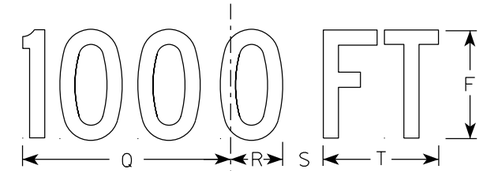
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



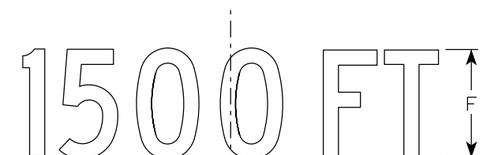
W20-3A



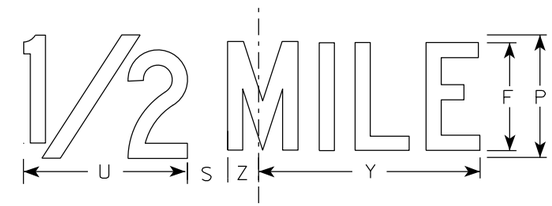
W20-3D



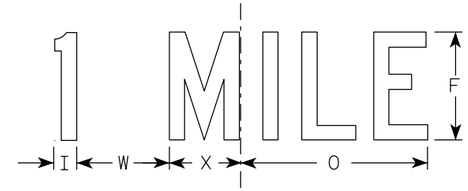
W20-3C



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

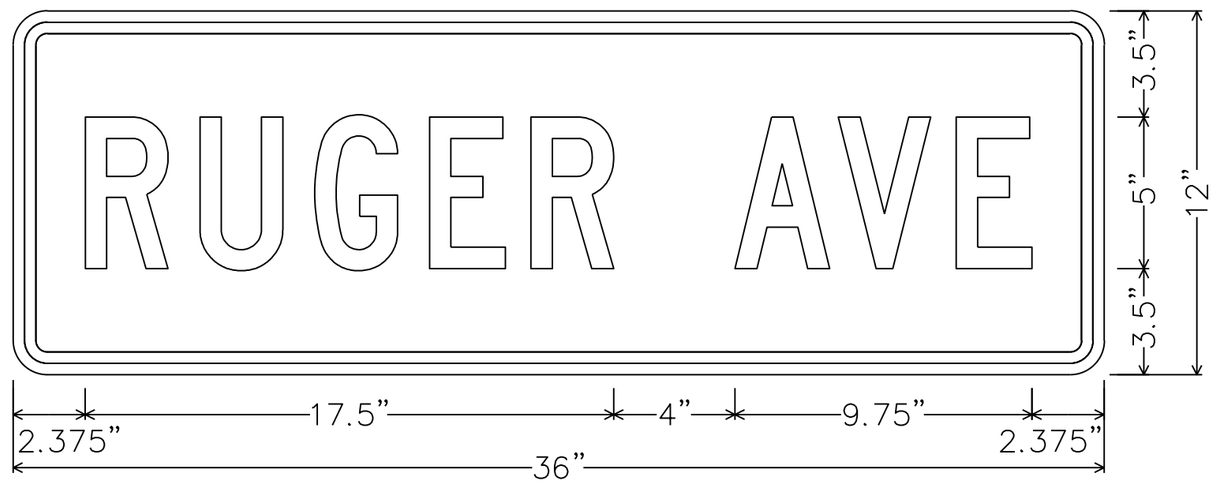
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

NOTES:

1. SIGN IS TYPE II - TYPE F REFLECTIVE - REFERENCE "WISDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" LATEST EDITION.
2. COLOR
   BACKGROUND - ORANGE
   MESSAGE - BLACK
3. MESSAGE SERIES - C



1.125" Radius, 0.375" Border, 0.375" Indent, Black on, Orange;
"RUGER", C; "AVE", C;

7

7

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	SPECIAL SIGN PLATES	SHEET 192	E

DIVISION 1 - RUGER AVENUE

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
102+13.00	10213.00	0.00	68.97	0.24	0	0	0	0	0
102+40.00	10240.00	27.00	71.09	0.31	70	0	70	0	70
102+50.00	10250.00	10.00	66.08	0.81	25	0	95	0	95
103+00.00	10300.00	50.00	65.78	0.75	122	1	217	1	216
103+50.00	10350.00	50.00	71.31	0.24	127	1	344	3	342
103+75.00	10375.00	25.00	77.07	0.08	69	0	413	3	411
104+03.82	10403.82	28.82	75.23	0.05	81	0	494	3	492
104+25.81	10425.81	21.99	125.24	0.00	82	0	576	3	574
104+41.19	10441.19	15.38	139.51	0.13	75	0	651	3	649
104+50.00	10450.00	8.81	135.21	0.00	45	0	696	3	694
104+57.89	10457.89	7.89	135.26	0.00	40	0	736	3	734
104+65.00	10465.00	7.11	93.94	0.00	30	0	766	3	764
104+79.87	10479.87	14.87	77.85	0.65	47	0	813	3	811
105+00.00	10500.00	20.13	78.63	0.88	58	1	871	4	867
105+50.00	10550.00	50.00	89.02	0.00	155	1	1,026	5	1,021
106+00.00	10600.00	50.00	80.47	0.00	157	0	1,183	5	1,178
106+50.00	10650.00	50.00	82.66	0.05	151	0	1,334	5	1,329
107+00.00	10700.00	50.00	84.94	0.00	155	0	1,489	5	1,484
107+35.00	10735.00	35.00	94.62	0.00	116	0	1,605	5	1,600
107+50.00	10750.00	15.00	86.60	0.01	50	0	1,655	5	1,650
107+78.55	10778.55	28.55	83.97	0.00	90	0	1,745	5	1,740
108+00.00	10800.00	21.45	164.68	0.00	99	0	1,844	5	1,839
108+00.54	10800.54	0.54	165.43	0.00	3	0	1,847	5	1,842
108+15.33	10815.33	14.79	180.93	0.00	95	0	1,942	5	1,937
108+32.61	10832.61	17.28	164.54	0.00	111	0	2,053	5	2,048
108+50.00	10850.00	17.39	89.65	0.00	82	0	2,135	5	2,130
108+54.60	10854.60	4.60	82.65	0.00	15	0	2,150	5	2,145
109+00.00	10900.00	45.40	85.30	0.07	141	0	2,291	5	2,286
109+50.00	10950.00	50.00	84.81	0.37	158	0	2,449	5	2,444
110+00.00	11000.00	50.00	79.09	0.00	152	0	2,601	5	2,596
110+35.00	11035.00	35.00	82.30	0.00	105	0	2,706	5	2,701
110+50.00	11050.00	15.00	76.08	0.11	44	0	2,750	5	2,745
111+00.00	11100.00	50.00	72.31	0.13	137	0	2,887	5	2,882
111+40.00	11140.00	40.00	71.48	0.32	107	0	2,994	5	2,989
111+50.00	11150.00	10.00	67.72	0.44	26	0	3,020	5	3,015
111+65.00	11165.00	15.00	69.77	0.00	38	0	3,058	5	3,053
112+00.00	11200.00	35.00	68.87	0.62	90	0	3,148	5	3,143
112+50.00	11250.00	50.00	71.92	0.47	130	1	3,278	6	3,272
113+00.00	11300.00	50.00	74.45	0.37	136	1	3,414	8	3,407
113+50.00	11350.00	50.00	76.13	0.00	139	0	3,553	8	3,546
113+77.17	11377.17	27.17	72.25	0.00	75	0	3,628	8	3,621
113+99.16	11399.16	21.99	108.10	0.28	73	0	3,701	8	3,694
114+00.00	11400.00	0.84	109.22	0.27	3	0	3,704	8	3,697
114+15.29	11415.29	15.29	112.64	0.08	63	0	3,767	8	3,760
114+31.19	11431.19	15.90	114.54	0.00	67	0	3,834	8	3,827
114+50.00	11450.00	18.81	77.71	0.00	67	0	3,901	8	3,894
114+53.19	11453.19	3.19	78.52	0.00	9	0	3,910	8	3,903
115+00.00	11500.00	46.81	76.96	0.16	135	0	4,045	8	4,038
115+50.00	11550.00	50.00	84.24	0.01	149	0	4,194	8	4,187
115+90.00	11590.00	40.00	89.88	0.00	129	0	4,323	8	4,316

(CONTINUED ON NEXT SHEET)

DIVISION 1 - RUGER AVENUE (CONTINUED)

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
					NOTE 1	NOTE 3	1.00 NOTE 1	1.25	NOTE 8
116+00.00	11600.00	10.00	89.10	0.00	33	0	4,356	8	4,349
116+50.00	11650.00	50.00	86.10	0.09	162	0	4,518	8	4,511
116+70.00	11670.00	20.00	92.25	0.00	66	0	4,584	8	4,577
117+00.00	11700.00	30.00	89.43	0.10	101	0	4,685	8	4,678
117+50.00	11750.00	50.00	82.80	0.52	159	1	4,844	9	4,835
118+00.00	11800.00	50.00	70.65	0.76	142	1	4,986	10	4,976
118+26.47	11826.47	26.47	63.83	1.09	66	1	5,052	11	5,041
118+50.00	11850.00	23.53	80.81	0.20	63	1	5,115	13	5,103
118+55.71	11855.71	5.71	94.12	0.02	18	0	5,133	13	5,121
118+65.45	11865.45	9.74	163.55	0.00	46	0	5,179	13	5,167
118+77.68	11877.68	12.23	214.45	0.00	86	0	5,265	13	5,253
118+81.05	11881.05	3.37	214.91	0.00	27	0	5,292	13	5,280
118+96.59	11896.59	15.54	217.87	0.00	125	0	5,417	13	5,405
119+00.00	11900.00	3.41	211.05	0.00	27	0	5,444	13	5,432
119+03.85	11903.85	3.85	184.00	0.00	28	0	5,472	13	5,460
119+13.66	11913.66	9.81	141.57	0.00	59	0	5,531	13	5,519
119+33.64	11933.64	19.98	82.00	0.00	83	0	5,614	13	5,602
119+35.05	11935.05	1.41	73.93	0.01	4	0	5,618	13	5,606
119+50.00	11950.00	14.95	72.49	0.33	41	0	5,659	13	5,647
120+00.00	12000.00	50.00	73.06	0.23	135	1	5,794	14	5,780
120+15.00	12015.00	15.00	79.04	0.22	42	0	5,836	14	5,822
120+50.00	12050.00	35.00	70.11	0.13	97	0	5,933	14	5,919
121+00.00	12100.00	50.00	72.42	0.00	132	0	6,065	14	6,051
121+50.00	12150.00	50.00	71.59	0.06	133	0	6,198	14	6,184
121+95.00	12195.00	45.00	69.77	0.30	118	0	6,316	14	6,302
122+50.00	12250.00	55.00	62.55	2.22	135	3	6,451	18	6,434
123+00.00	12300.00	50.00	61.22	0.58	115	3	6,566	21	6,545
123+33.00	12333.00	33.00	70.30	0.00	80	0	6,646	21	6,625
123+50.00	12350.00	17.00	63.36	0.57	42	0	6,688	21	6,667
123+55.00	12355.00	5.00	62.45	0.76	12	0	6,700	21	6,679
124+00.00	12400.00	45.00	58.98	0.28	101	1	6,801	23	6,779
124+10.00	12410.00	10.00	66.12	0.16	23	0	6,824	23	6,802
124+50.00	12450.00	40.00	57.88	1.40	92	1	6,916	24	6,892
125+00.00	12500.00	50.00	58.60	0.84	108	2	7,024	26	6,998
125+13.19	12513.19	13.19	57.37	1.05	28	0	7,052	26	7,026
125+16.94	12516.94	3.75	58.03	0.44	8	0	7,060	26	7,034
125+35.18	12535.18	18.24	149.18	0.00	70	0	7,130	26	7,104
125+36.32	12536.32	1.14	150.73	0.00	6	0	7,136	26	7,110
125+50.00	12550.00	13.68	163.41	0.00	80	0	7,216	26	7,190
125+50.66	12550.66	0.66	164.09	0.00	4	0	7,220	26	7,194
125+54.78	12554.78	4.12	164.80	0.00	25	0	7,245	26	7,219
125+67.15	12567.15	12.37	155.78	0.00	73	0	7,318	26	7,292
125+72.37	12572.37	5.22	120.63	0.00	27	0	7,345	26	7,319
125+89.14	12589.14	16.77	76.30	0.08	61	0	7,406	26	7,380
125+92.36	12592.36	3.22	71.97	1.75	9	0	7,415	26	7,389
126+00.00	12600.00	7.64	76.12	0.62	21	0	7,436	26	7,410
126+05.00	12605.00	5.00	76.73	0.36	14	0	7,450	26	7,424

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 195	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090201
PLOT DATE : 7/16/2025 2:31 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 196	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090202
PLOT DATE : 7/16/2025 2:31 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

9

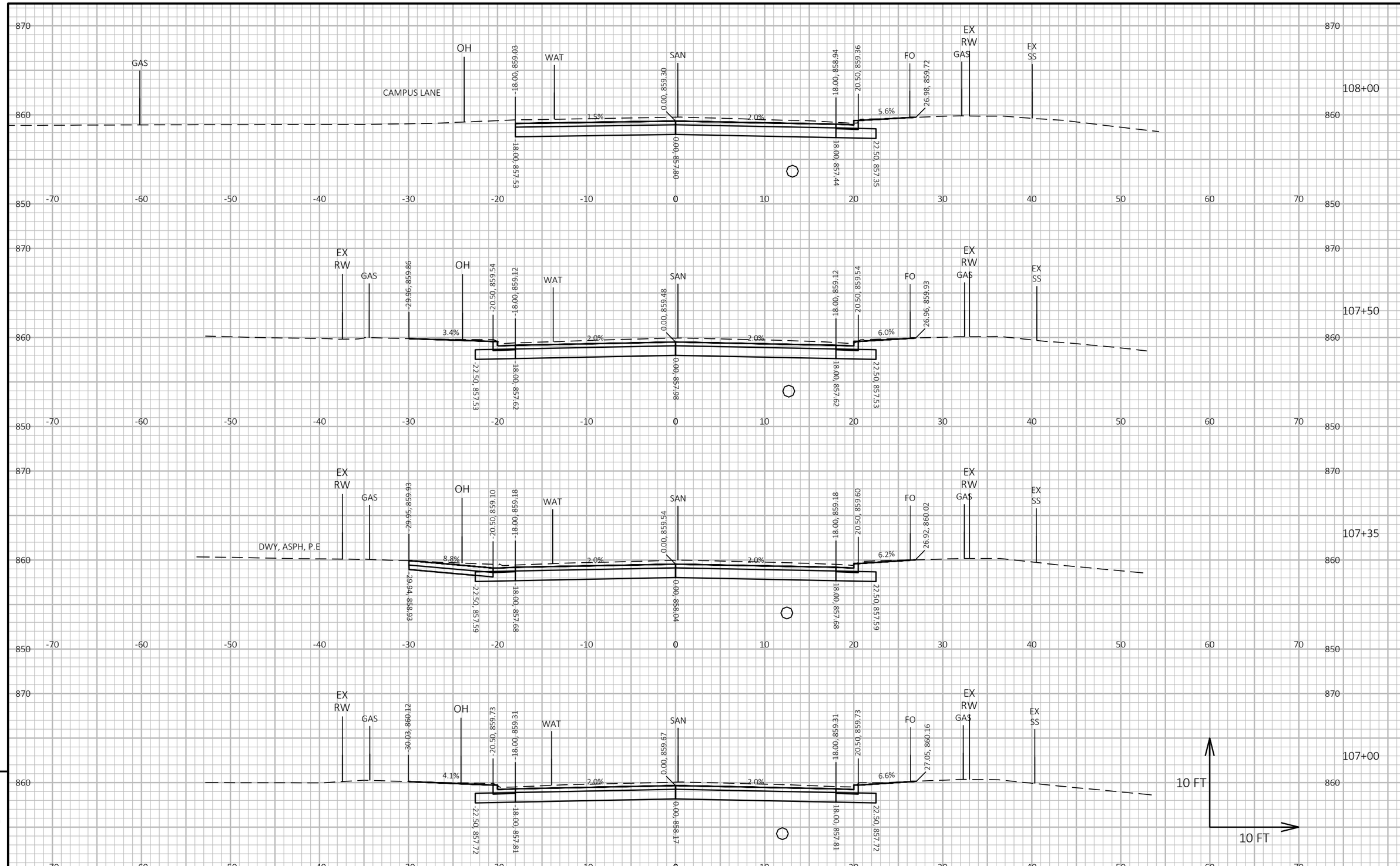
9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 197	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090203

PLOT DATE : 7/16/2025 2:31 PM PLOT BY : MEGAN BRINKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

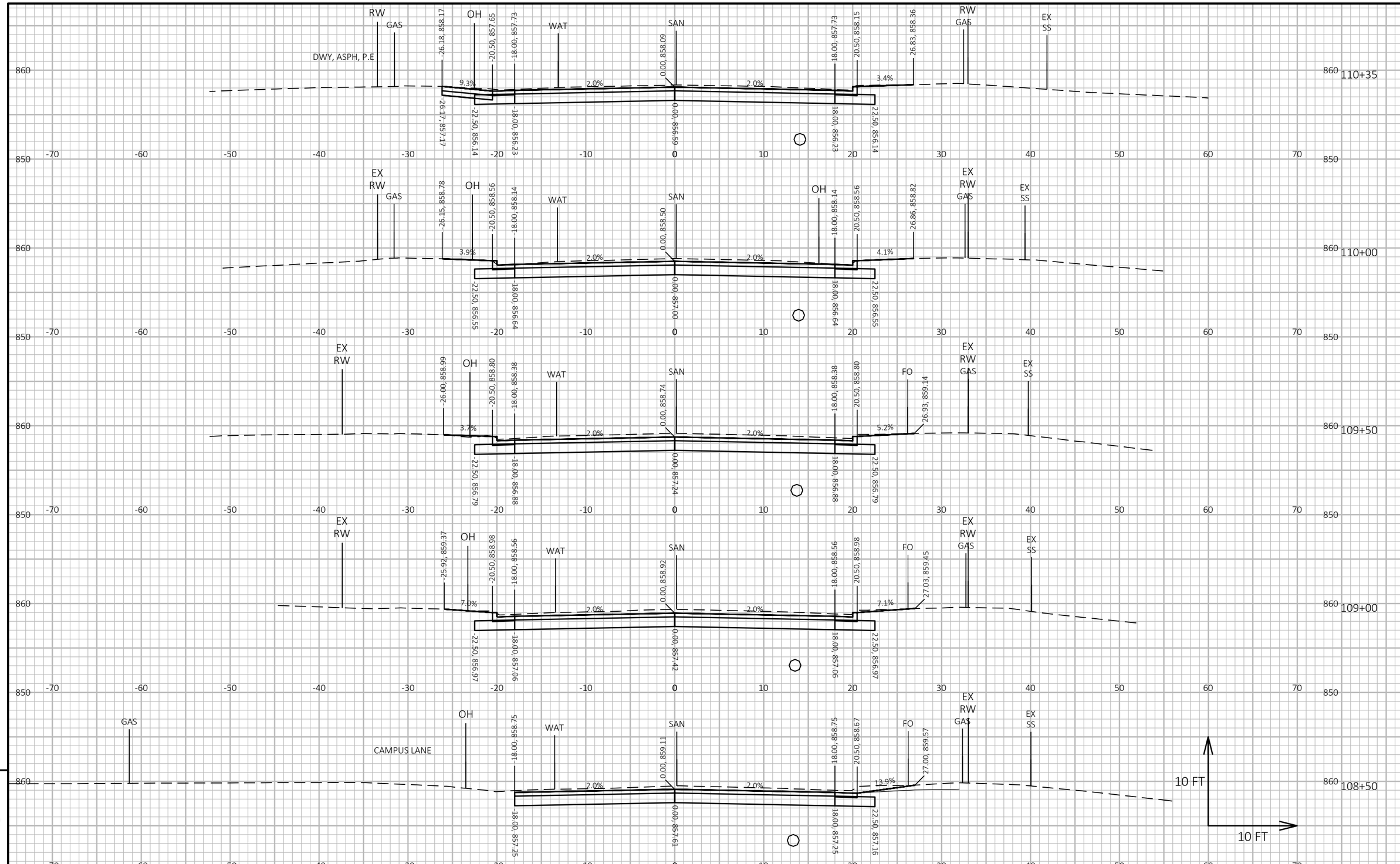


9

9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 198	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090204
PLOT DATE : 7/16/2025 2:31 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 199	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090205
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 200	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090206
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

9

9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 201	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090207
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

9

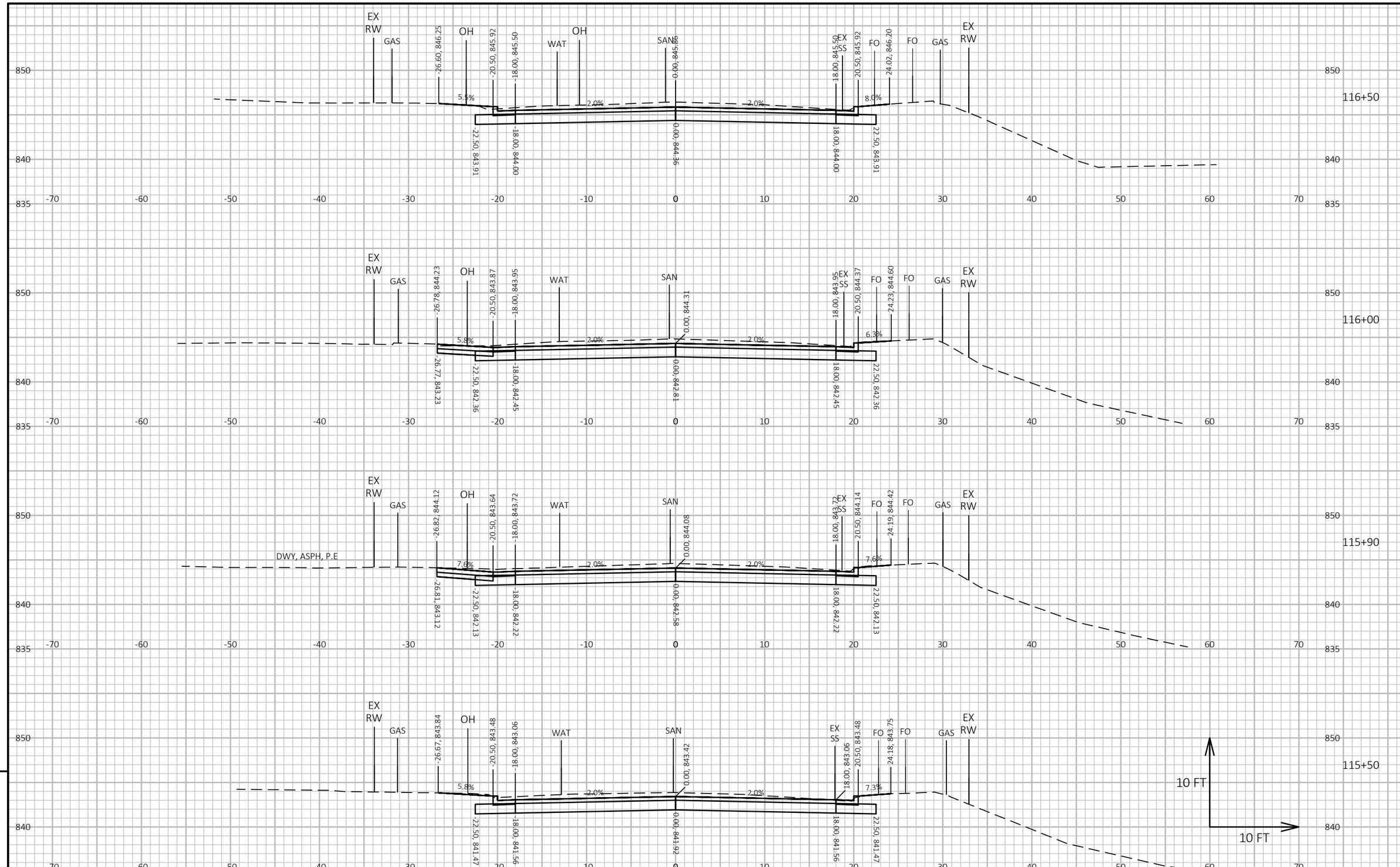
9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 202	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090208

PLOT DATE : 7/16/2025 2:32 PM PLOT BY : MEGAN BRINKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 203	E

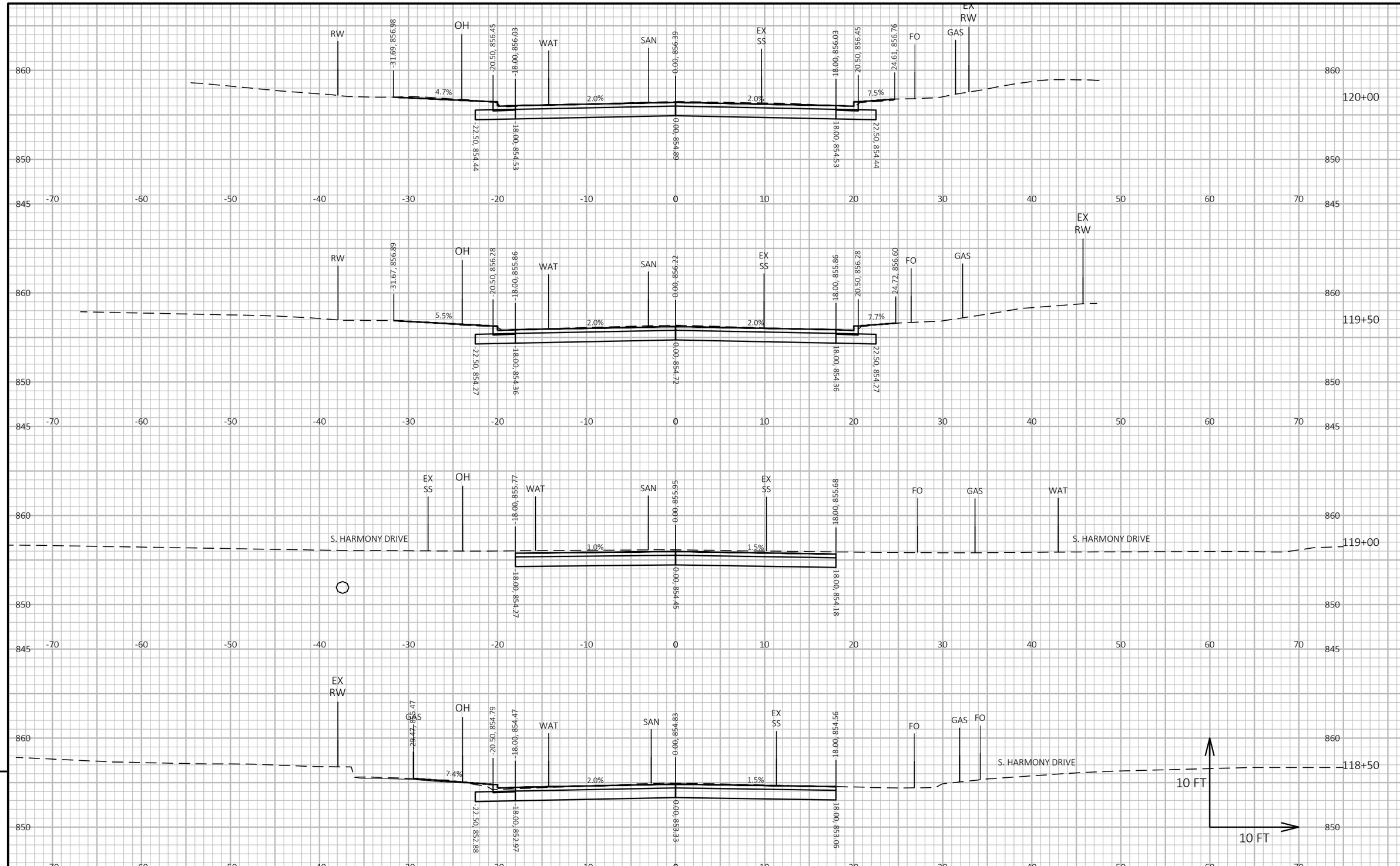
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090209

PLOT DATE : 7/16/2025 2:32 PM PLOT BY : MEGAN BRINKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 204	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090210
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



9

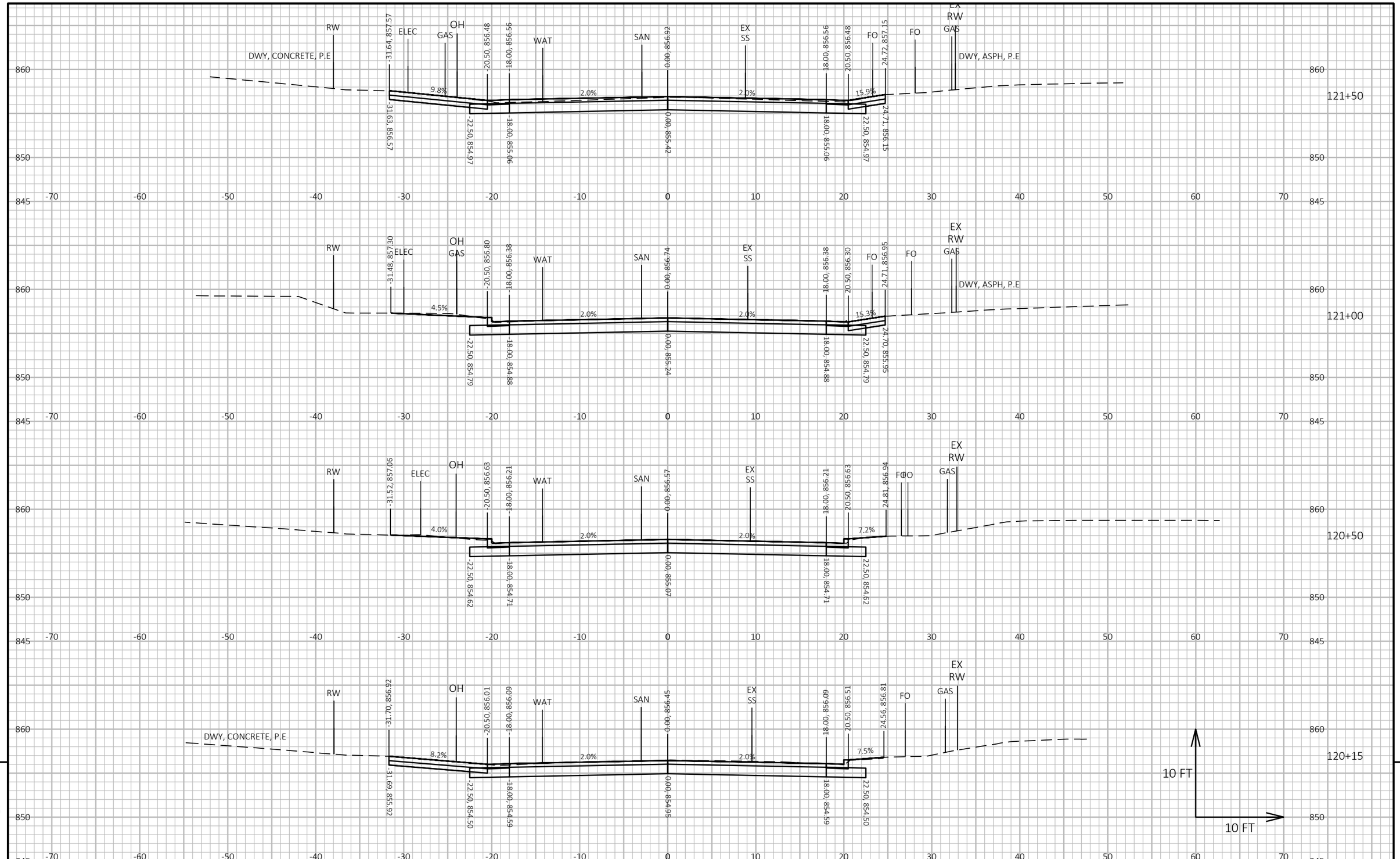
9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 205	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090211

PLOT DATE : 7/16/2025 2:32 PM PLOT BY : MEGAN BRINKER PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

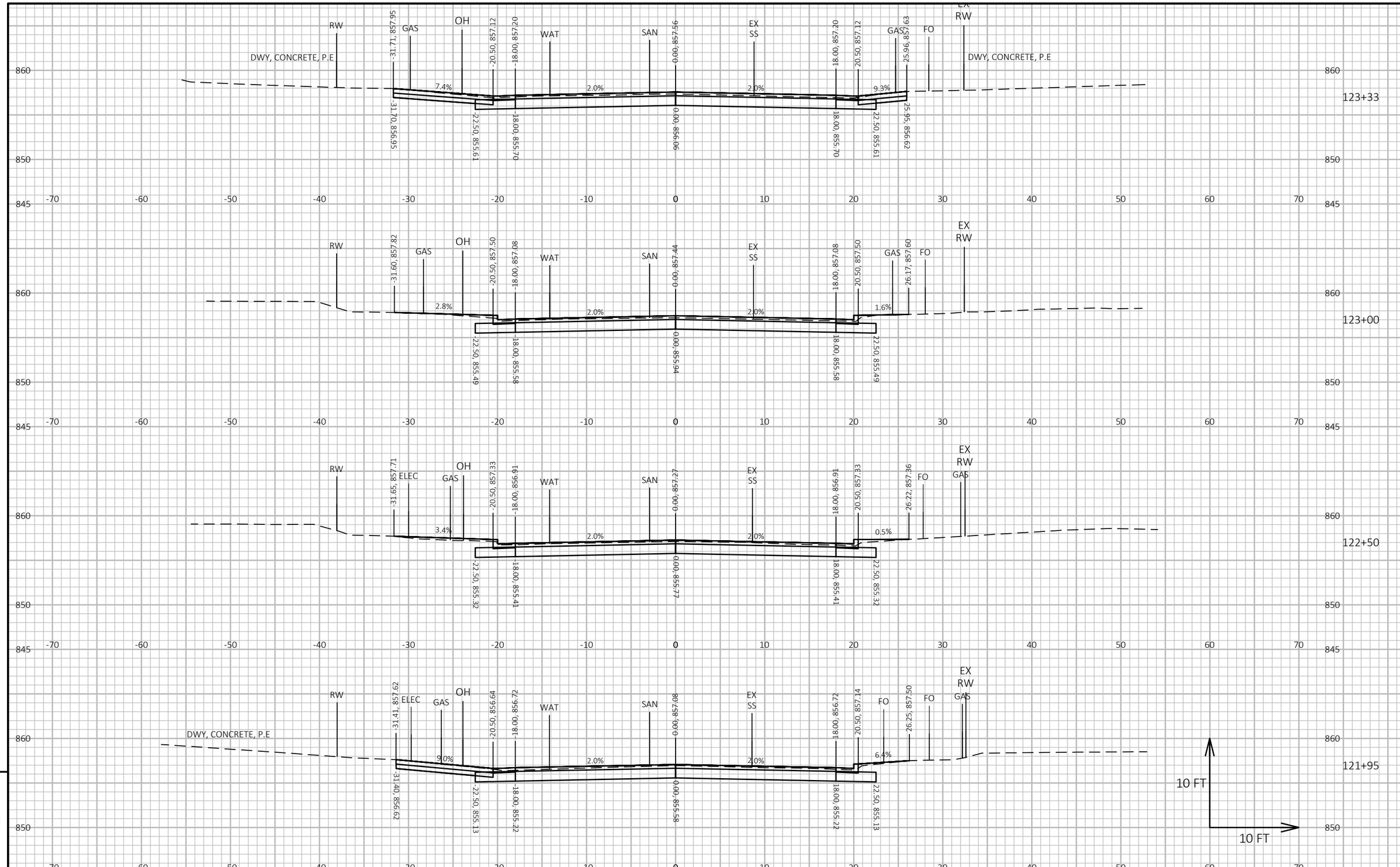
9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 206	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090212

PLOT DATE : 7/16/2025 2:32 PM PLOT BY : MEGAN BRINKER PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



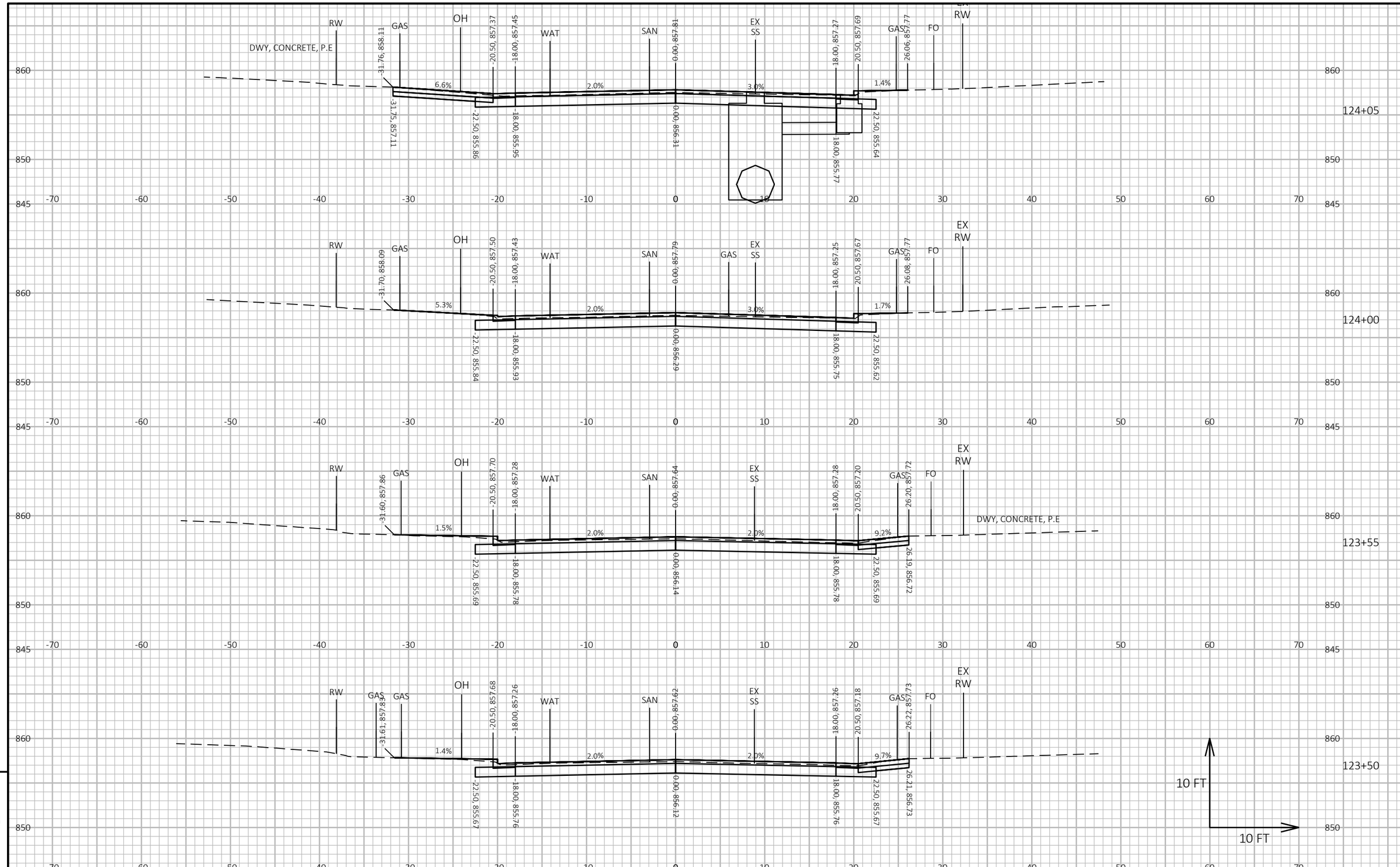
9

9

PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 207	E

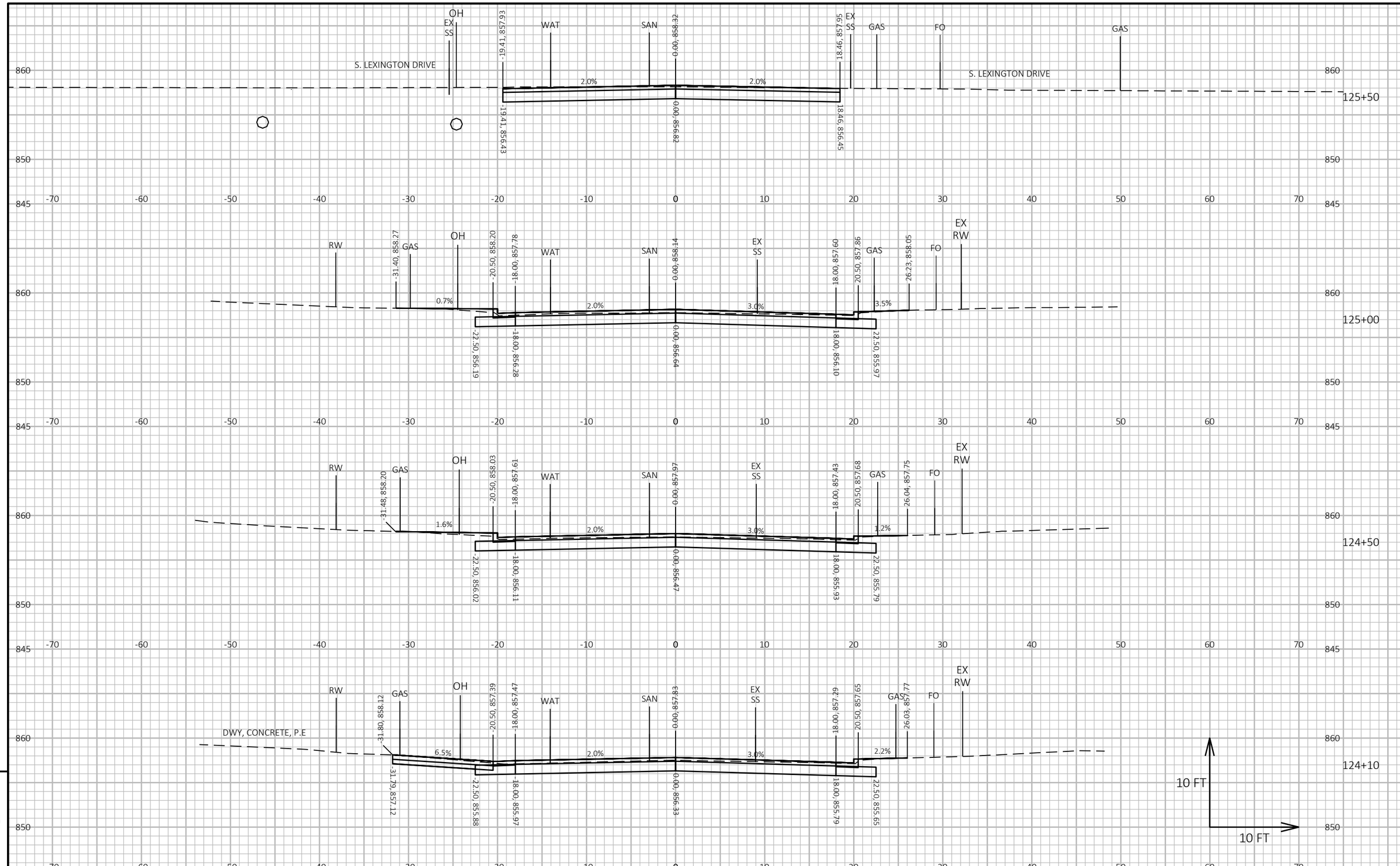
FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090213
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



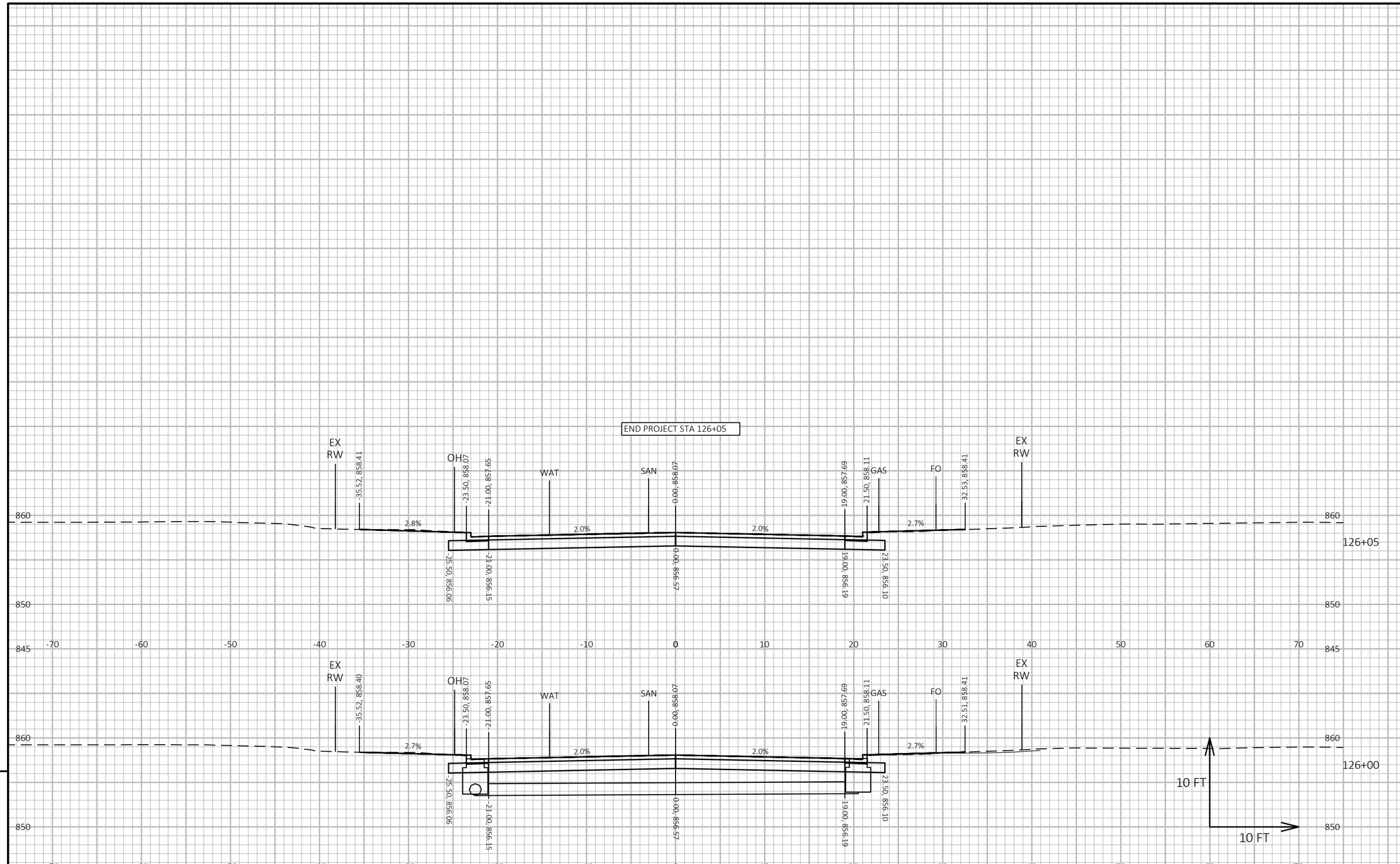
PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 208	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090214
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 209	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090215
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
PLOT NAME :
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49



PROJECT NO: 5990-02-41	HWY: RUGER AVENUE	COUNTY: ROCK	CROSS SECTIONS: RUGER AVENUE	SHEET 210	E

FILE NAME : G:\00\00879\00879101\CADD\C3D\59900241\SHEETSPLAN\090201 - XS.DWG
LAYOUT NAME - 090216
PLOT DATE : 7/16/2025 2:32 PM
PLOT BY : MEGAN BRINKER
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