WIS

PROJECT ID: 6999-07-89

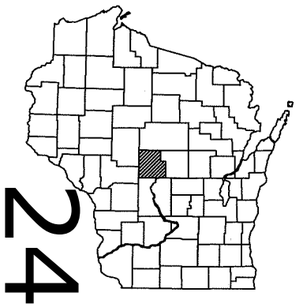
COUNTY: WOOD

DECEMBER 2018

ORDER OF SHEETS

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

TOTAL SHEETS = 276



24

DESIGN DESIGNATION

A.A.D.T. (2018)	=	7000
A.A.D.T. (2038)	=	7700
D.H.V.	=	1163
D.D.	=	59/41
T.	=	5.3%
DESIGN SPEED	=	25 MPH
ESALS	=	790,000

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6999-07-89	WISC 2019013	1

C WISCONSIN RAPIDS, E GRAND AVENUE

3RD STREET TO 8TH STREET

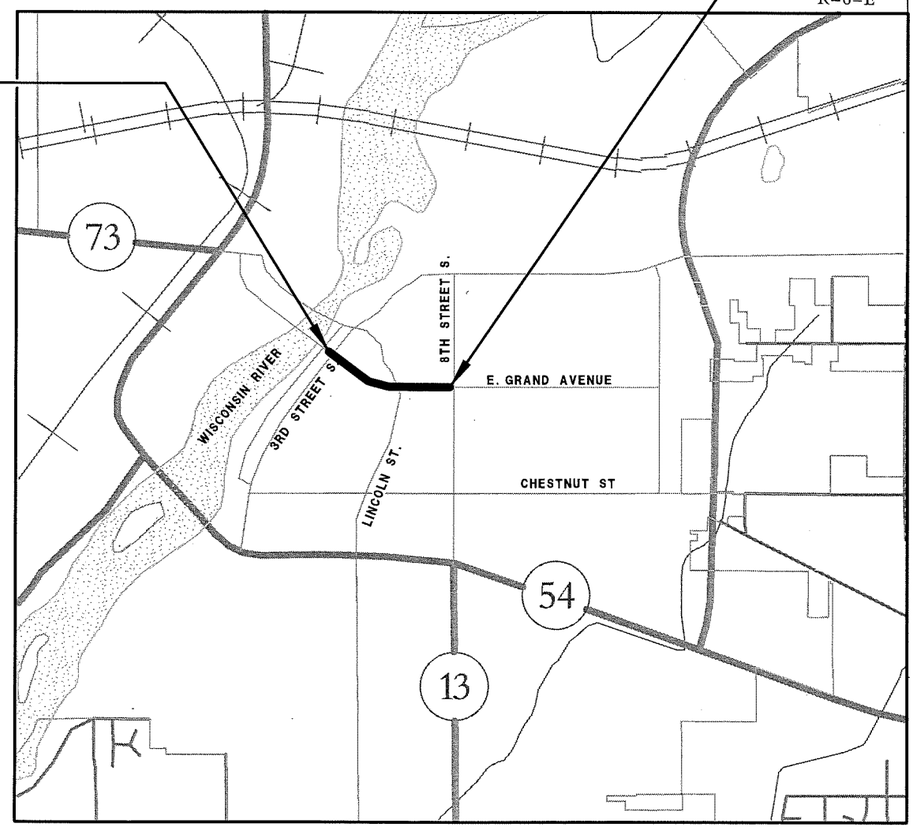
LOCAL STREET

WOOD COUNTY

STATE PROJECT NUMBER
6999-07-89

END PROJECT
STA. 74+16.67

BEGIN PROJECT
STA. 51+05.00
Y = 451,907.31
X = 729,796.76



LAYOUT
SCALE 0 0.5 MI.

TOTAL NET LENGTH OF CENTERLINE = 0.438 MI.

COORDINATES AND BEARINGS ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WOOD COUNTY, NAD 83 (2011) ADJUSTMENT. ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) (NAVD83).

STORM SEWER
DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN
JUSTIN J GUTOSKI
E-43032
MADISON
WI
PROFESSIONAL ENGINEER
7-9-18

STREET LIGHTING
DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN
SHANE P.
ZENZ
E-29525
MADISON,
WI
PROFESSIONAL ENGINEER
7-9-18

ACCEPTED FOR
CITY OF WISCONSIN RAPIDS
7/12/18 Joe Eichstadt
(Date) (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY
STRAND ASSOCIATES

WISCONSIN
ERIC D.
HANSON
E-38350
MADISON,
WI
PROFESSIONAL ENGINEER
7-9-18

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	CITY OF WISCONSIN RAPIDS
Designer	STRAND ASSOCIATES INC.
Management Consultant	CEDAR CORPORATION

APPROVED FOR THE DEPARTMENT
DATE: 7-25-2018
(Management Consultant Signature)

E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\010101_ti.dgn PLOT DATE : 7/9/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 10

GENERAL NOTES

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

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTOR'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT, SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

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

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

UTILITIES

* CITY OF WISCONSIN RAPIDS
  UTILITY TYPE: SANITARY SEWER/ WATER MAIN
  ATTENTION: JOE EICHSTEADT
  444 WEST GRAND AVENUE
  WISCONSIN RAPIDS, WI 54495
  (715) 651-5605
  E-MAIL: jeichsteadt@wirapids.org

* CHARTER COMMUNICATIONS
  UTILITY TYPE: COMMUNICATIONS
  ATTENTION: JESSE GRUNY
  503 E. IVES ST. #316
  MARSHFIELD, WI 54449
  (715) 898-1616
  E-MAIL: jesse.gruny@charter.com

* SOLARUS
  UTILITY TYPE: ELECTRIC/COMMUNICATIONS
  ATTENTION: DENNIS PIERCE
  440 EAST GRAND AVENUE
  WISCONSIN RAPIDS, WI 54494
  (715) 421-8172
  E-MAIL: pierce@solarus.net

* WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION
  UTILITY TYPE: ELECTRIC/STREET LIGHTING
  ATTENTION: JACOB JOHNSON
  221 16TH STREET SOUTH
  WISCONSIN RAPIDS, WI 54494
  (715) 423-6328
  E-MAIL: jacob.johnson@wrwwlc.com

* WE ENERGIES
  UTILITY TYPE: GAS
  ATTENTION: RYAN MIENTKE
  1921 8TH STREET SOUTH
  WISCONSIN RAPIDS, WI 54494
  (715) 421-7249
  E-MAIL: Ryan.Mientke@we-energies.com

* DENOTES DIGGERS HOTLINE MEMBER

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

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
CURB RAMP DETAILS
REMOVALS
PLAN DETAILS
LAYOUT DETAILS
EROSION CONTROL
STORM SEWER
SEWER AND WATER MAIN (BY OTHERS; FOR INFORMATION ONLY)
PERMANENT SIGNING
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL - ADVANCE WARNING
DETOUR OVERVIEW AND SIGNING
ALIGNMENT DETAIL SHEET
CONTROL POINT DATA SHEET

CITY CONTACT

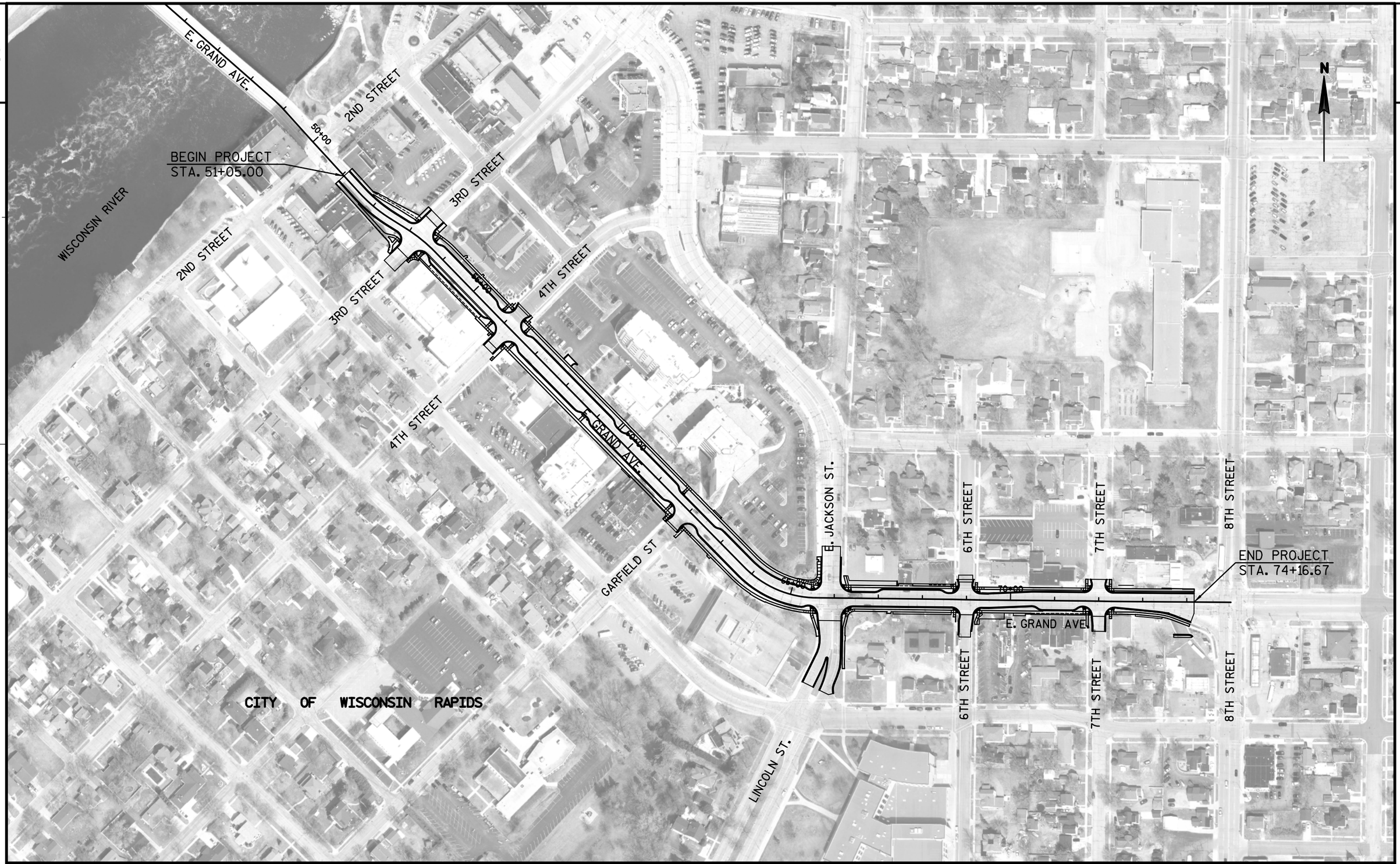
JOE EICHSTEADT, P.E.
CITY OF WISCONSIN RAPIDS
444 WEST GRAND AVENUE
RAPIDS, WI 54495
(715) 421-8251
E-MAIL: jeichsteadt@wirapids.org

DESIGN CONTACT

ERIC HANSON, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DRIVE
MADISON, WI 53715
(608) 251-4843
E-MAIL: eric.hanson@strand.com

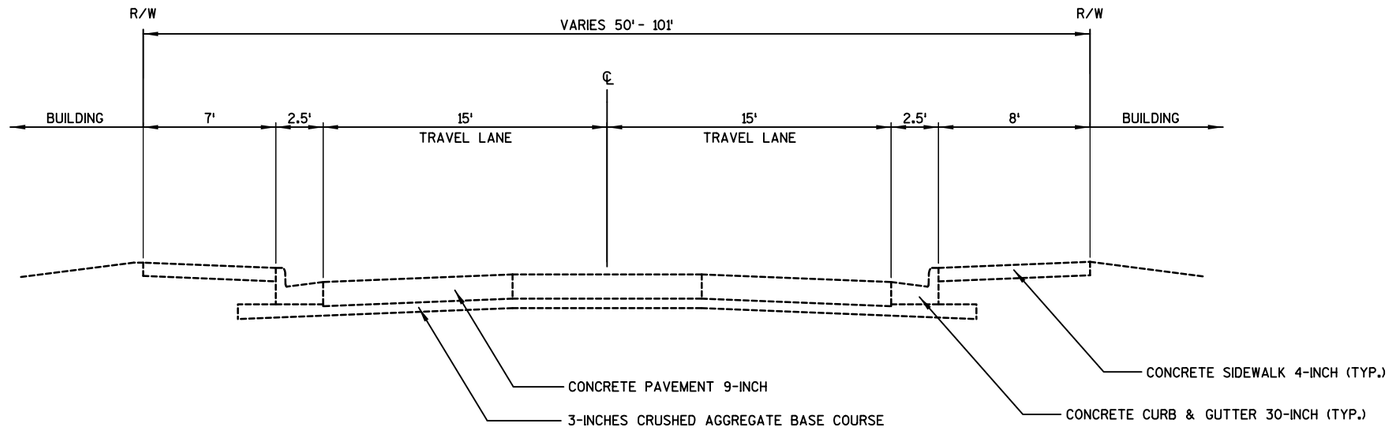
DNR LIAISON

BRAD BETTHAUSER
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
473 GRIFFITH DRIVE
WISCONSIN RAPIDS, WI 54494
(715) 421-7851
E-MAIL: Bradley.Betthauser@wisconsin.gov



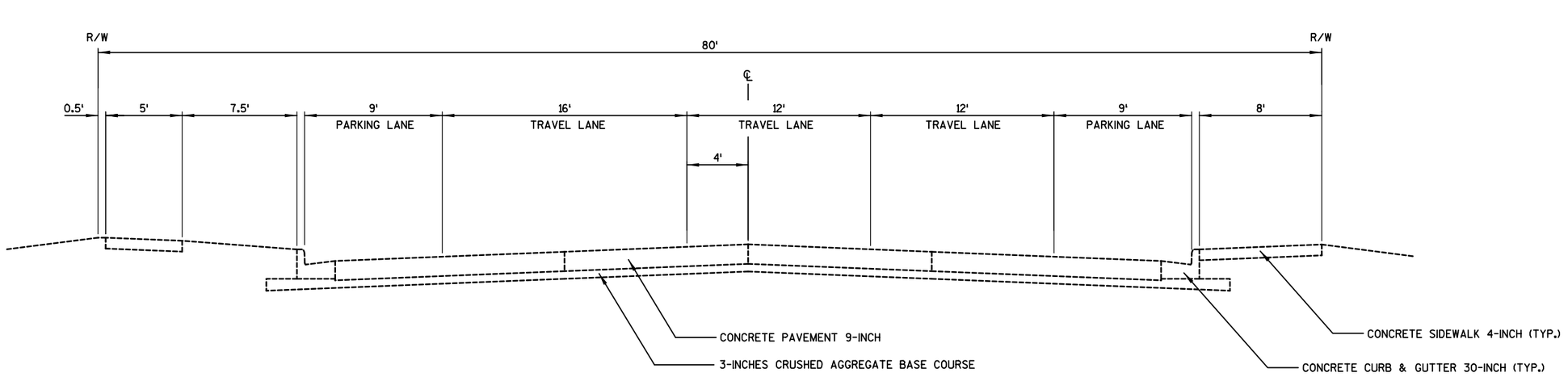
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PROJECT OVERVIEW	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\020201_po.dgn PLOT DATE : 10/10/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION - EAST GRAND AVENUE

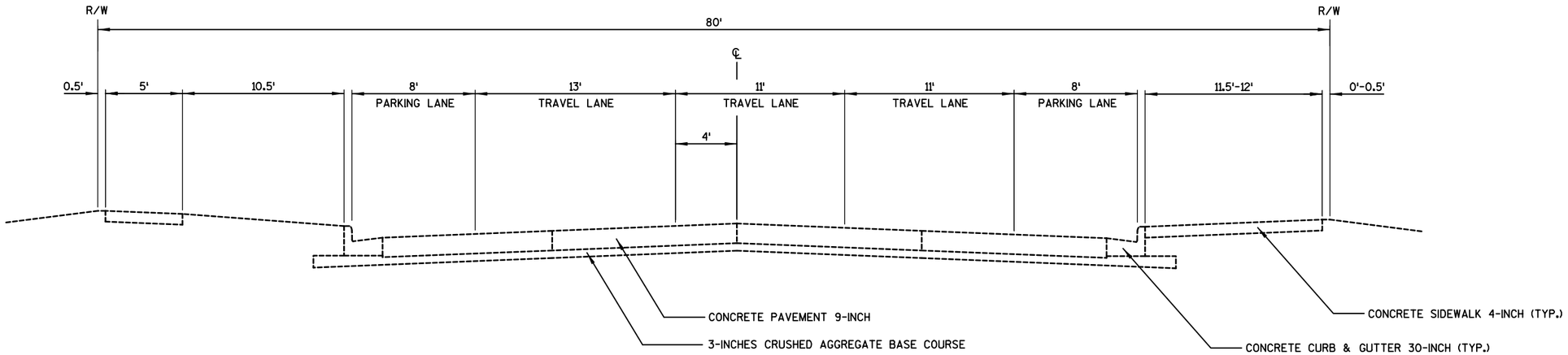
STA. 51+05 - STA. 53+25



TYPICAL EXISTING SECTION - EAST GRAND AVENUE

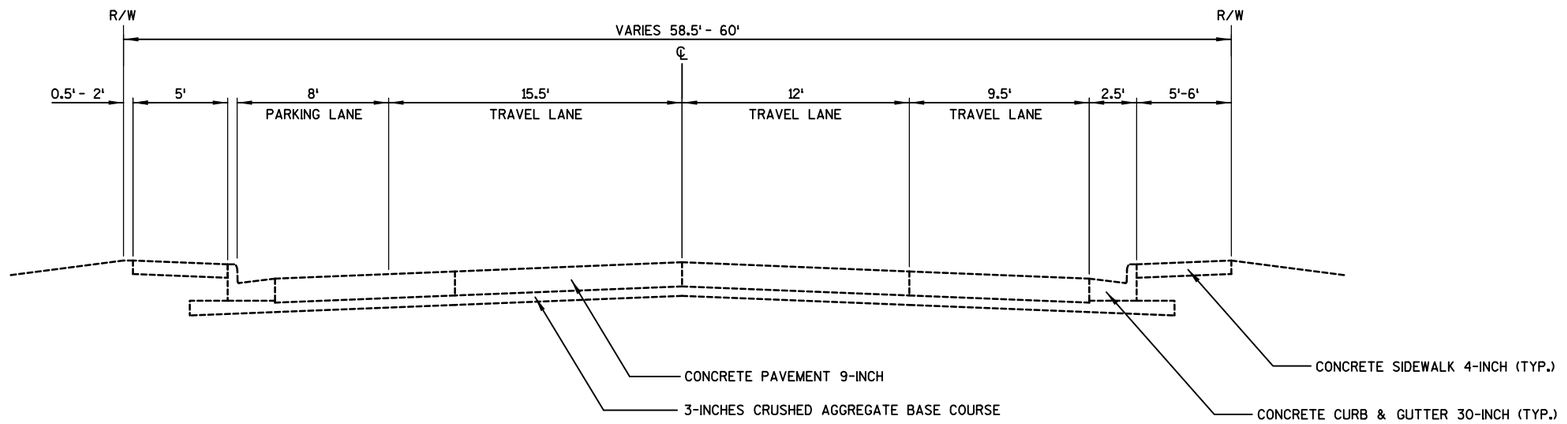
STA. 53+25 - STA. 56+15

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EXISTING TYPICAL SECTION	SHEET 4	E



TYPICAL EXISTING SECTION - EAST GRAND AVENUE

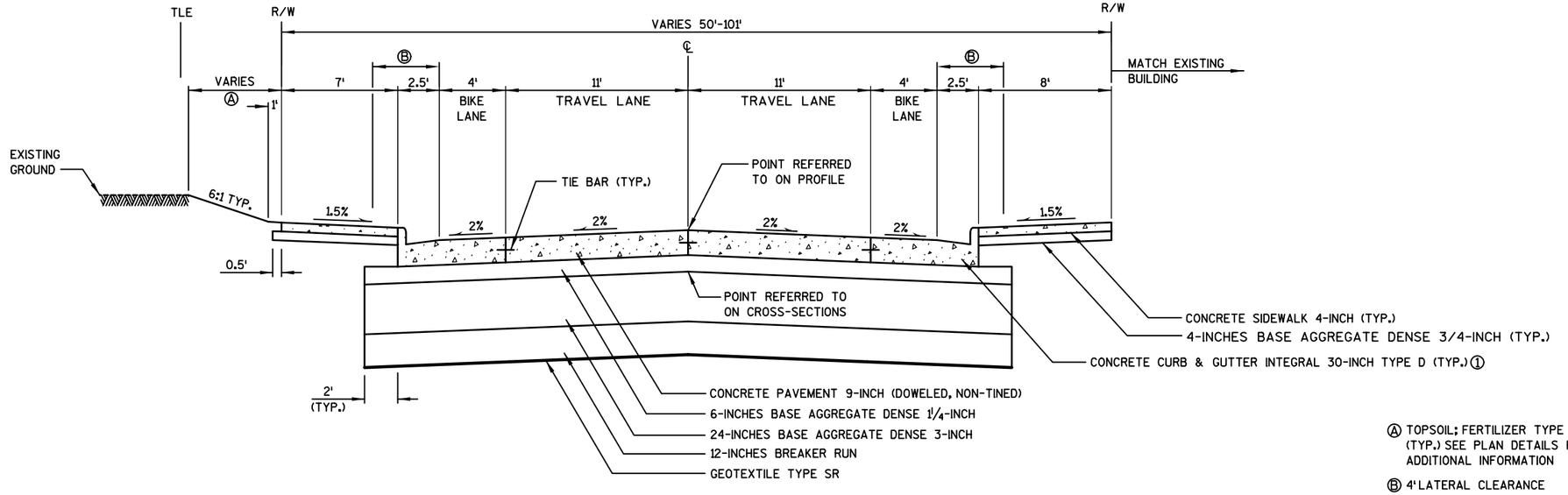
STA. 56+15 - STA. 65+90



TYPICAL EXISTING SECTION - EAST GRAND AVENUE

STA. 65+90 - STA. 74+16.67

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EXISTING TYPICAL SECTION	SHEET 5	E



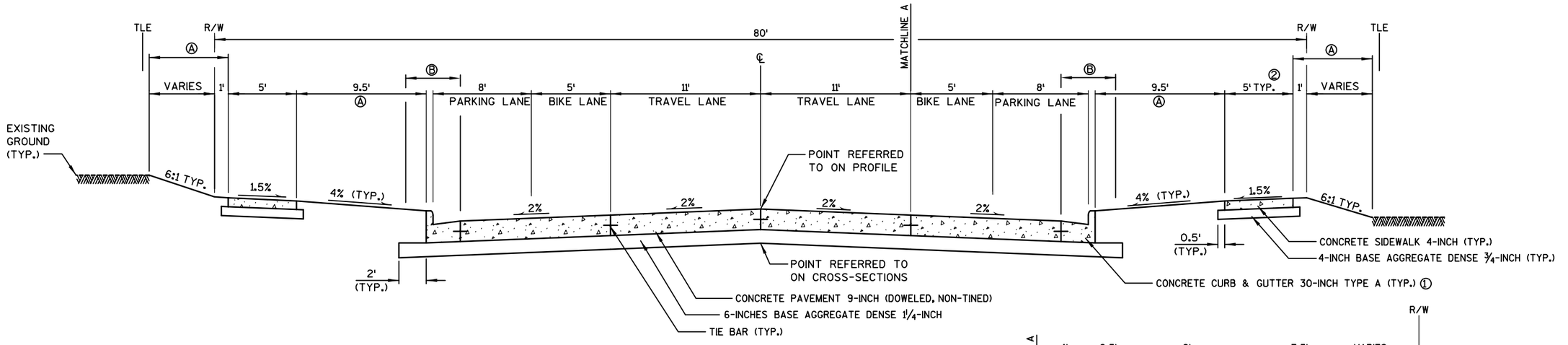
TYPICAL FINISHED SECTION E. GRAND AVE.
(2ND ST. TO 3RD ST.)
STA. 51+05 - STA. 53+00

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN (TYP.) SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

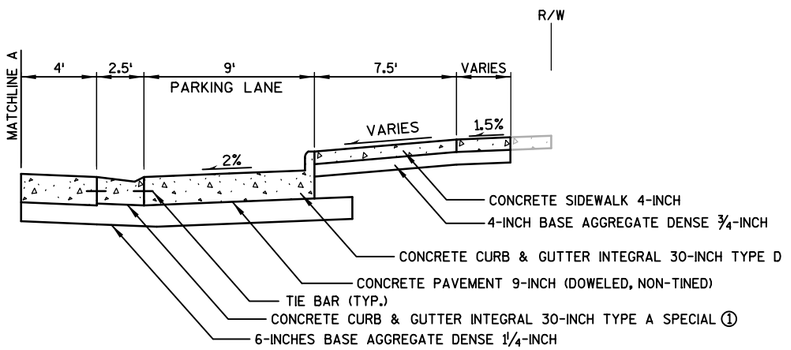
Ⓑ 4' LATERAL CLEARANCE

① USE 6.25 PERCENT GUTTER SLOPE.

② VARIES 5.5' TO 7' (3RD STREET TO 4TH STREET, RT.); 6' (4TH STREET TO GARFIELD STREET, RT.)

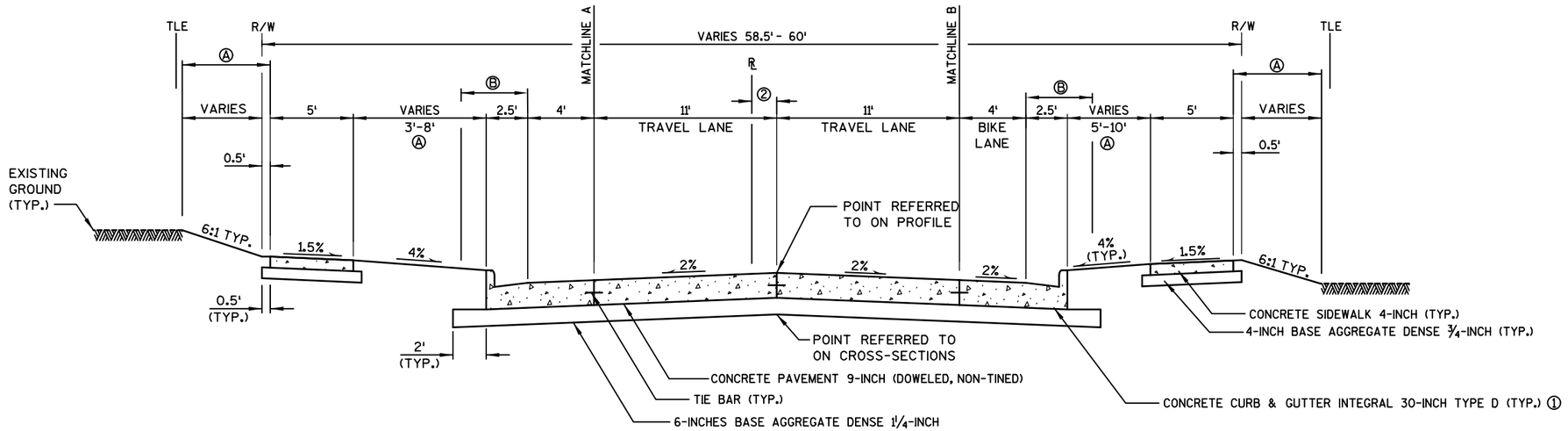


TYPICAL FINISHED SECTION E. GRAND AVE.
(3RD ST. TO E. JACKSON ST.)
STA. 53+00 TO STA. 66+00



STA. 53+74 TO STA. 55+67

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PROPOSED TYPICAL SECTION	SHEET 6	E



TYPICAL FINISHED SECTION E. GRAND AVE.

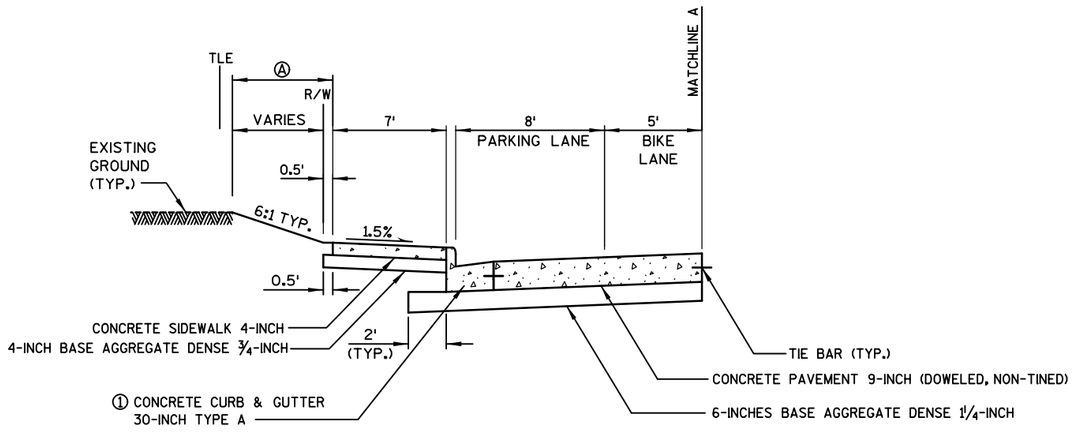
(E. JACKSON ST. TO 8TH ST.)
STA. 66+00 - STA. 74+16.67

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN (TYP.) SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

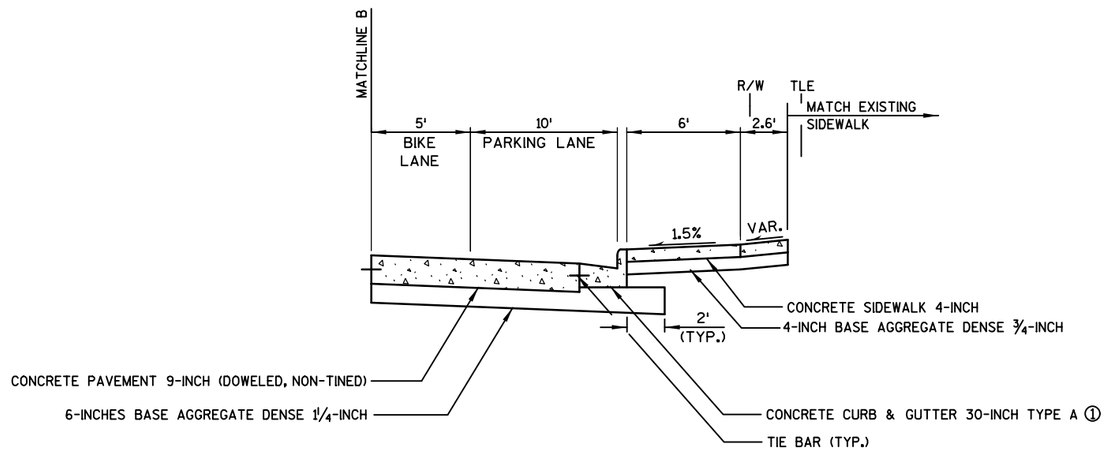
Ⓑ 4' LATERAL CLEARANCE

① USE 6.25 PERCENT GUTTER SLOPE.

② REFERENCE LINE LOCATION
STA. 66+37.95 TO STA. 68+64.85, 2-FT LEFT OF CROWN
STA. 69+31.90 TO STA. 69+50.37, 1.5-FT LEFT OF CROWN
STA. 70+50.37 TO STA. 71+69.65, 3.5-FT RIGHT OF CROWN

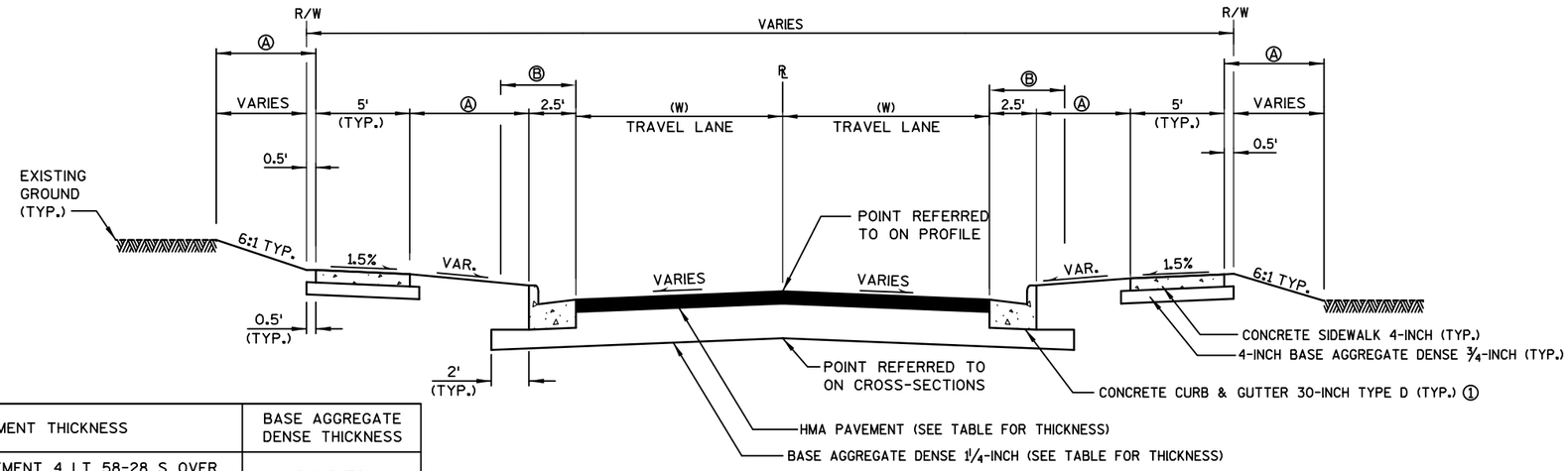


STA. 67+13 (LT) - STA. 68+37 (LT)



STA. 70+73 (RT) - STA. 71+41 (RT)

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PROPOSED TYPICAL SECTION	SHEET 7	E



SIDEROAD	HMA PAVEMENT THICKNESS	BASE AGGREGATE DENSE THICKNESS
3RD STREET	1.75-INCHES HMA PAVEMENT 4 LT 58-28 S OVER 1.75-INCHES HMA PAVEMENT 4 LT 58-28 S	9-INCHES
4TH STREET	2.5-INCHES HMA PAVEMENT 4 LT 58-28 S	7-INCHES
GARFIELD STREET	2.5-INCHES HMA PAVEMENT 4 LT 58-28 S	7-INCHES
LINCOLN STREET	2.0-INCHES HMA PAVEMENT 4 LT 58-28 S OVER 2.0-INCHES HMA PAVEMENT 4 LT 58-28 S	12-INCHES
6TH STREET	2.5-INCHES HMA PAVEMENT 4 LT 58-28 S	7-INCHES
7TH STREET	2.5-INCHES HMA PAVEMENT 4 LT 58-28 S	7-INCHES

TYPICAL FINISHED SECTION - SIDEROADS

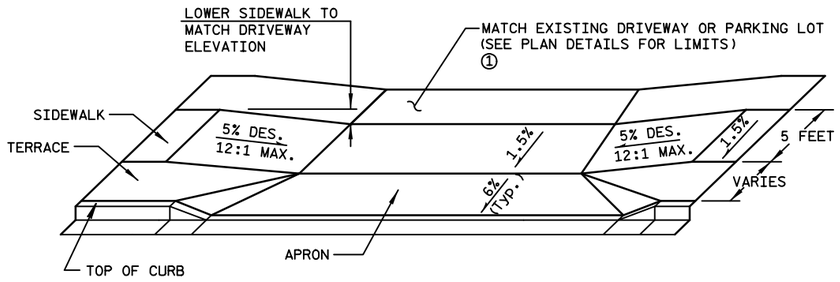
3RD STREET (W(RT)=17'/W(LT)=18.5')
4TH STREET (W(RT)=13'/W(LT)=18')
GARFIELD STREET (W=16')
LINCOLN STREET (W=VARIES)
6TH STREET (W(R)=13'/W(LT)=16')
7TH STREET (W(R)=13'/W(LT)=16')

Ⓐ TOPSOIL; FERTILIZER TYPE B; SOD LAWN (TYP.) SEE PLAN DETAILS FOR ADDITIONAL INFORMATION

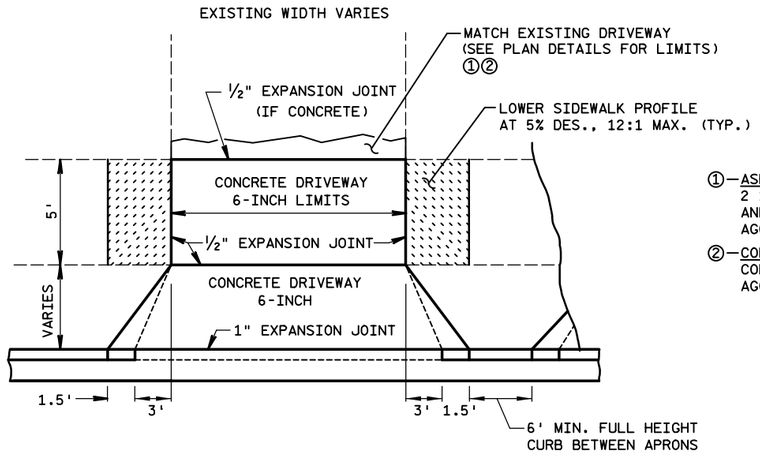
Ⓑ 4' LATERAL CLEARANCE

① USE 6.25 PERCENT GUTTER SLOPE.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PROPOSED TYPICAL SECTION	SHEET 8	E



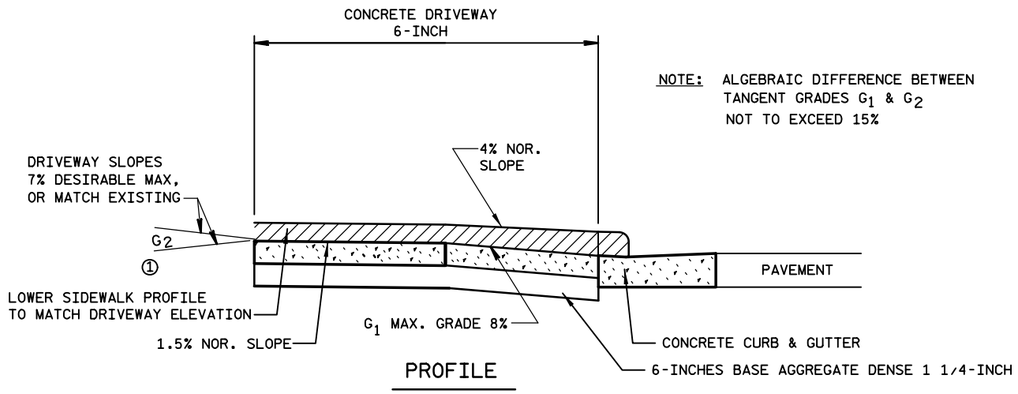
LOWERING SIDEWALK AT DRIVEWAY APRONS



① — ASPHALT DRIVEWAY / ASPHALT PARKING LOT
2 1/2-INCHES ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES / 7-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH

② — CONCRETE DRIVEWAY / CONCRETE PARKING LOT
CONCRETE DRIVEWAY 6-INCH / 6-INCHES BASE AGGREGATE DENSE 1 1/4 -INCH

PLAN



PROFILE

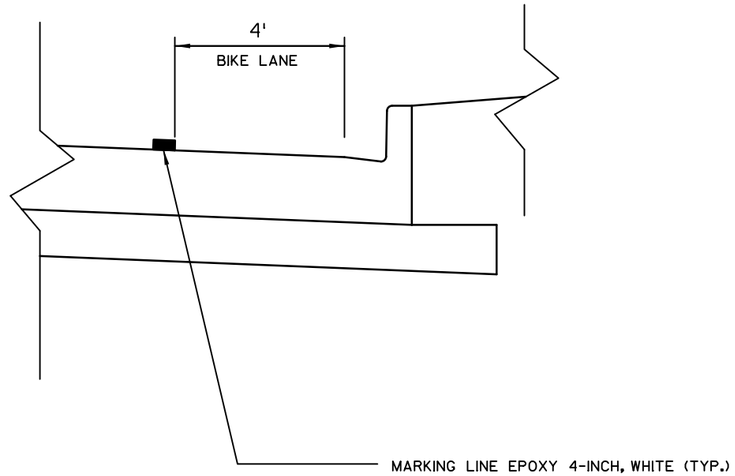
DRIVEWAY ENTRANCE DETAIL WITH TERRACE

2

RUNOFF COEFFICIENT TABLE

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

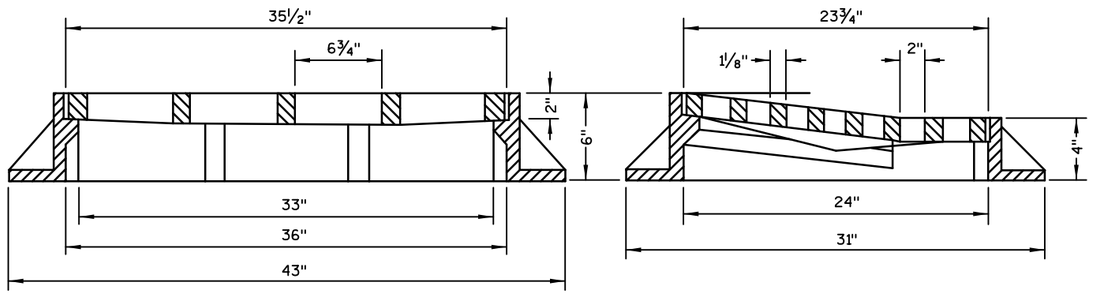
TOTAL PROJECT AREA = 5.35 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.42 ACRES



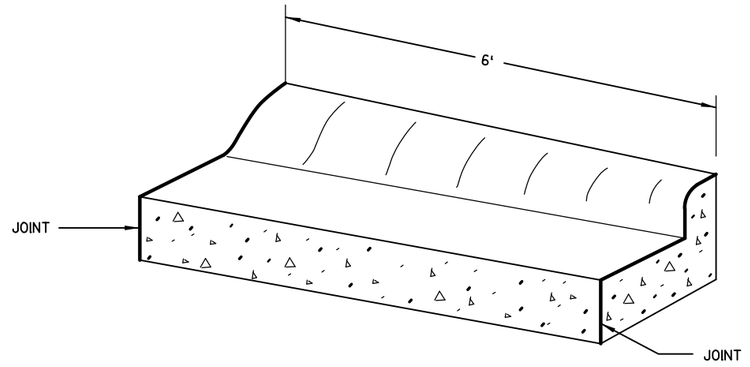
NOTE: SEE PAVEMENT MARKING SHEETS FOR ADDITIONAL INFORMATION.
SEE S.D.D "BICYCLE LANE MARKING" FOR ADDITIONAL INFORMATION.

BIKE LANE PAVEMENT MARKING LOCATION

TOTAL WEIGHT APPROXIMATELY 420 POUNDS

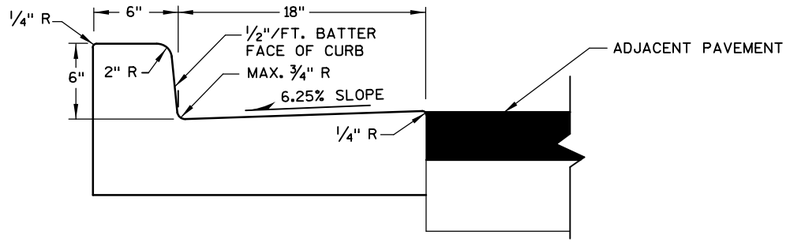


INLET COVERS TYPE DW



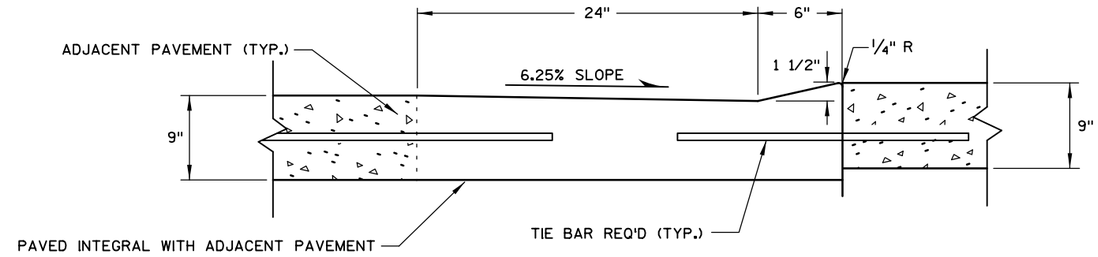
TRANSITION DETAIL

CONCRETE CURB & GUTTER 30-INCH ROLL BACK (TYPE) TO
CONCRETE CURB & GUTTER 30-INCH (TYPE) (TO BE MEASURED AND PAID
FOR AS CONCRETE CURB & GUTTER 30-INCH ROLL BACK (TYPE)
SEE PLAN DETAILS FOR LOCATIONS



SEE S.D.D. "CONCRETE CURB & GUTTER" AND S.D.D. "CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS" FOR ADDITIONAL INFORMATION.

CONCRETE CURB & GUTTER 24-INCH SPECIAL TYPE D

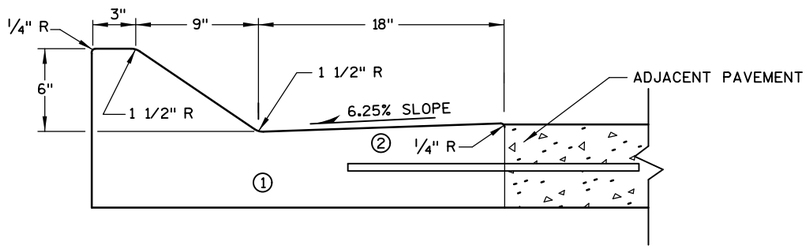


SEE S.D.D. "CONCRETE CURB & GUTTER" AND S.D.D. "CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS" FOR ADDITIONAL INFORMATION.

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE A SPECIAL

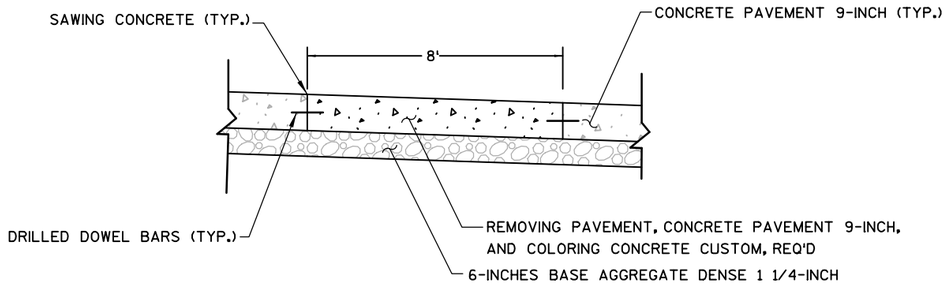
① TIE BARS ARE REQUIRED WHEN CURB AND GUTTER IS PLACED ADJACENT TO CONCRETE PAVEMENT.

② SEE PLAN DETAILS FOR REVERSE SLOPE GUTTER LOCATIONS.



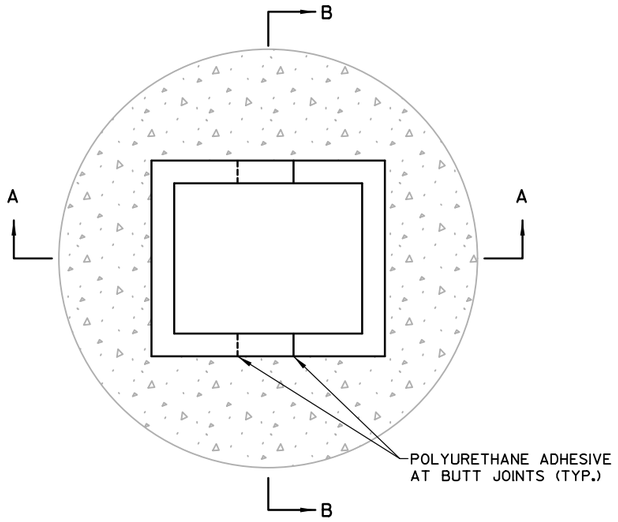
SEE S.D.D. "CONCRETE CURB & GUTTER" AND S.D.D. "CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS" FOR ADDITIONAL INFORMATION.

CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE A AND TYPE D

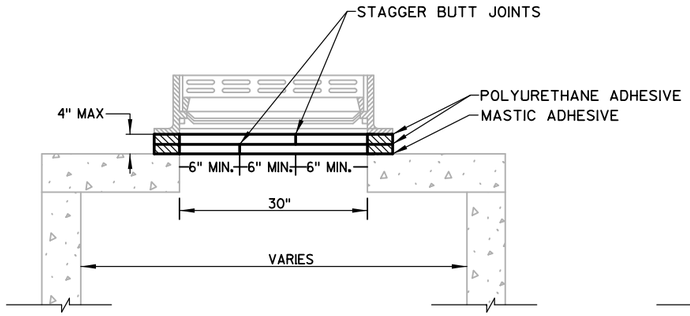


COLORED CROSSWALK DETAIL

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021003_cd.dgn PLOT DATE : 9/28/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

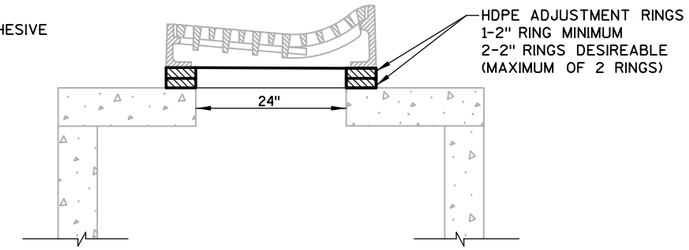


PLAN VIEW



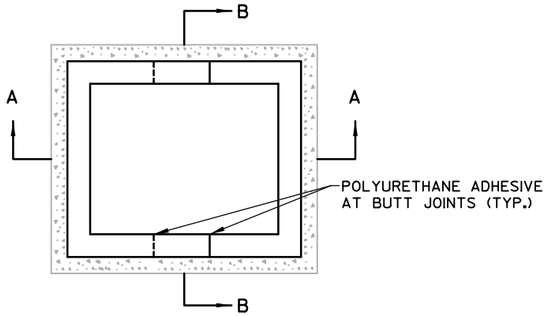
SECTION A-A

NOTE:
ALL CUTS MADE TO HDPE ADJUSTMENT
RINGS WILL BE PERPENDICULAR AND PROVIDE
A TIGHT JOINT.

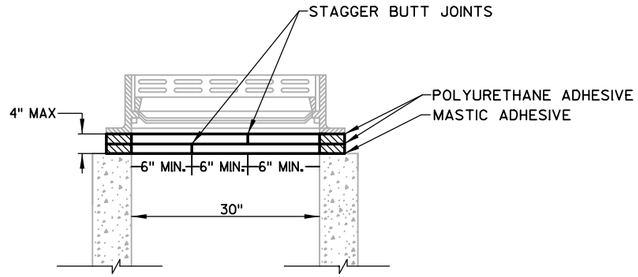


SECTION B-B

HDPE RING CUTTING DETAIL FOR CATCH BASINS 4-FT AND MANHOLES 4-FT & 5-FT

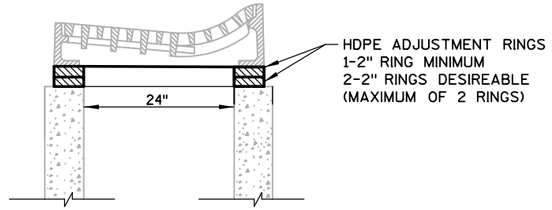


PLAN VIEW



SECTION A-A

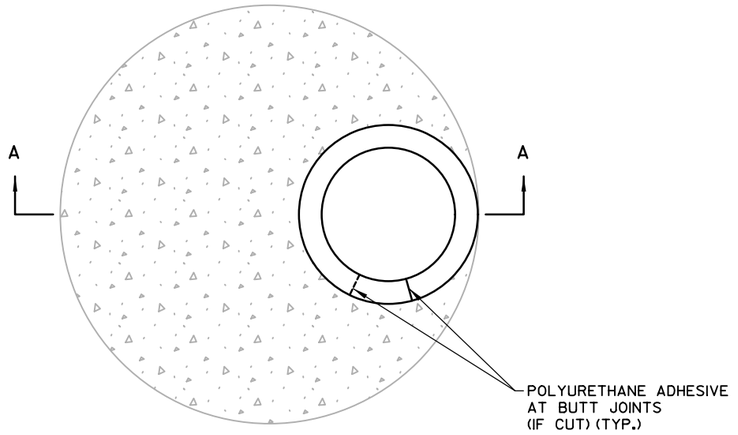
NOTE:
ALL CUTS MADE TO HDPE ADJUSTMENT
RINGS WILL BE PERPENDICULAR AND PROVIDE
A TIGHT JOINT.



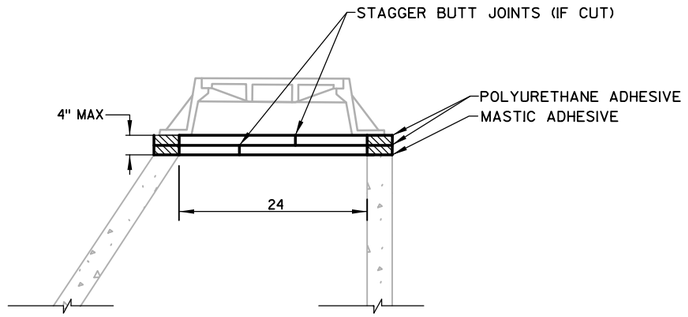
SECTION B-B

HDPE RING CUTTING DETAIL FOR CATCH BASINS 2X3-FT

NOTE:
ALL CUTS MADE TO HDPE ADJUSTMENT RINGS WILL BE PERPENDICULAR AND PROVIDE A TIGHT JOINT.



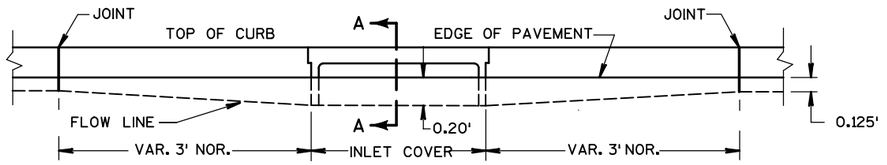
PLAN VIEW



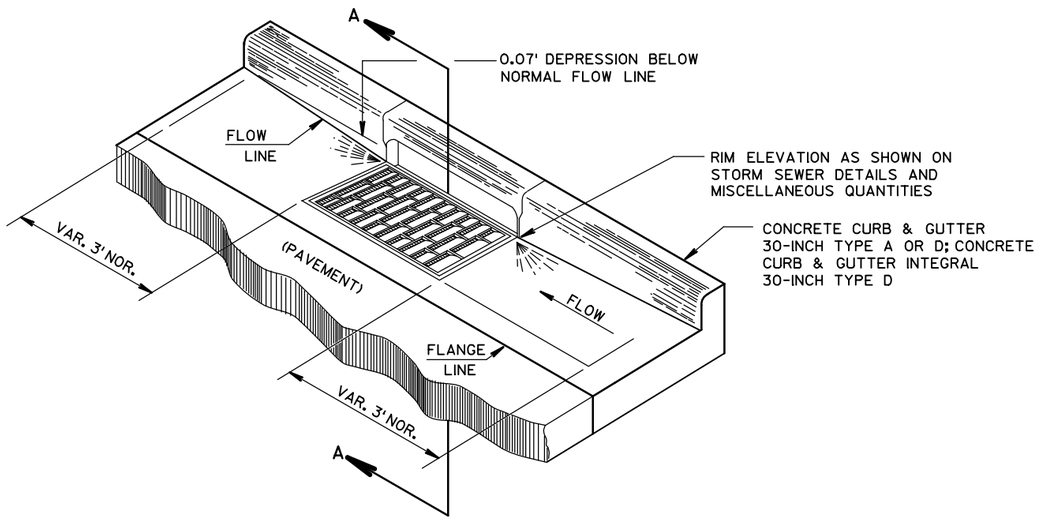
SECTION A-A

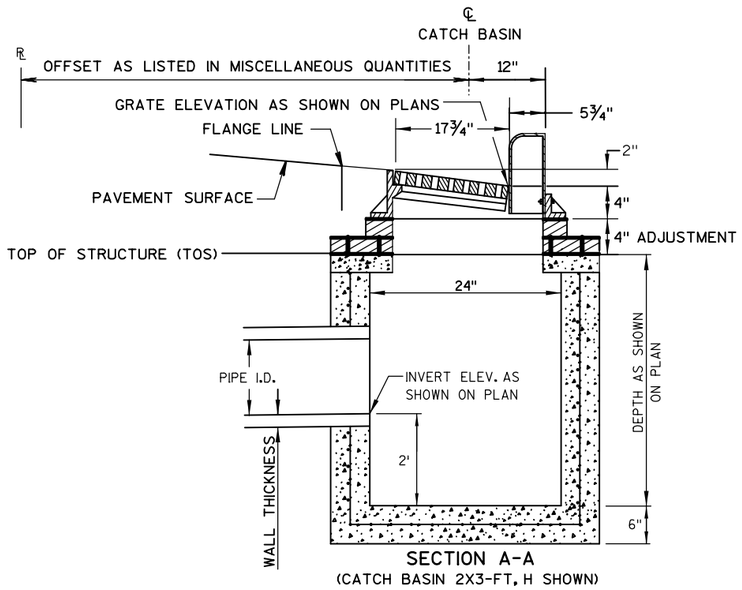
HDPE RING CUTTING DETAIL FOR MANHOLES 4-FT & 5-FT AND SANITARY MANHOLES (SIZE)

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 13	E



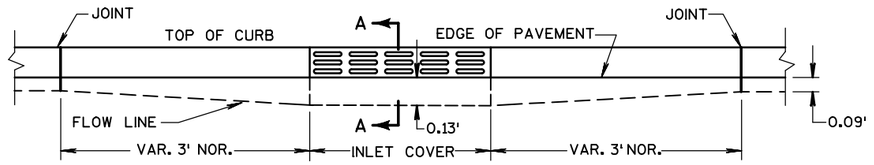
ELEVATION



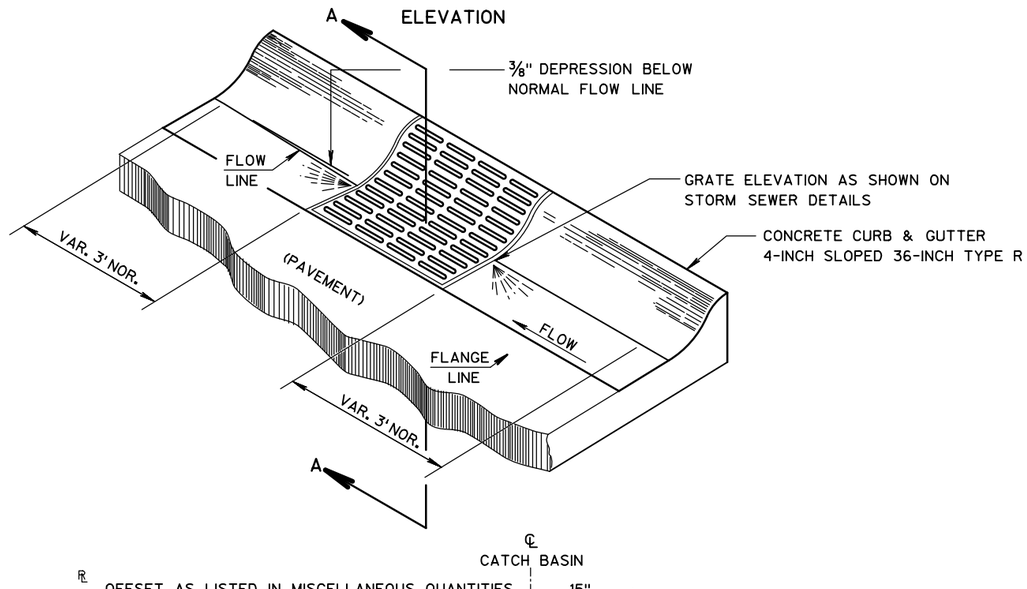


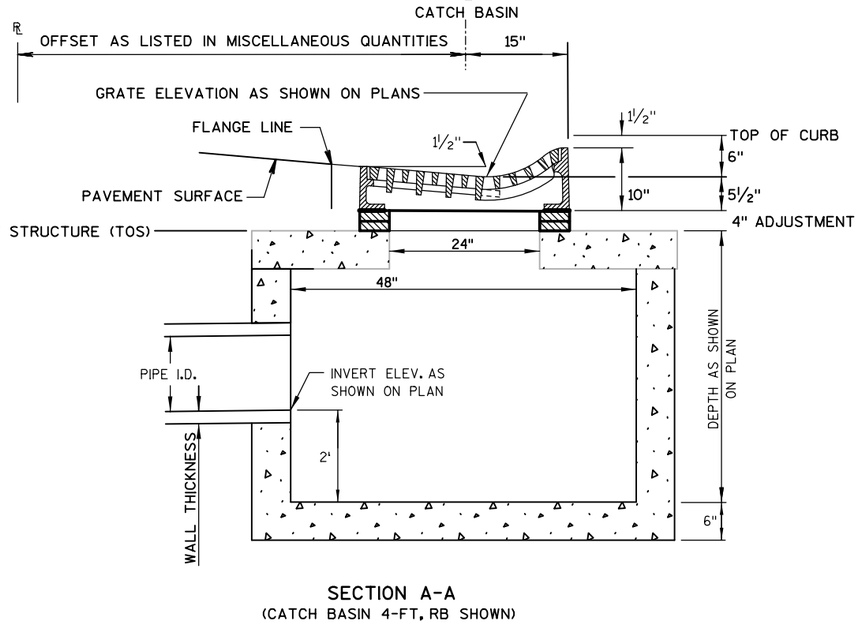
SECTION A-A
(CATCH BASIN 2X3-FT, H SHOWN)

DETAIL OF CONCRETE CURB AND GUTTER AT CATCH BASINS



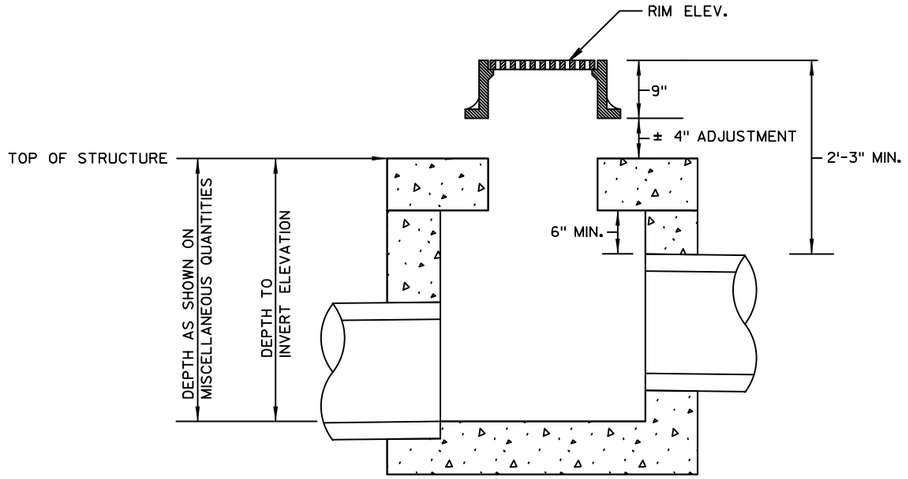
ELEVATION





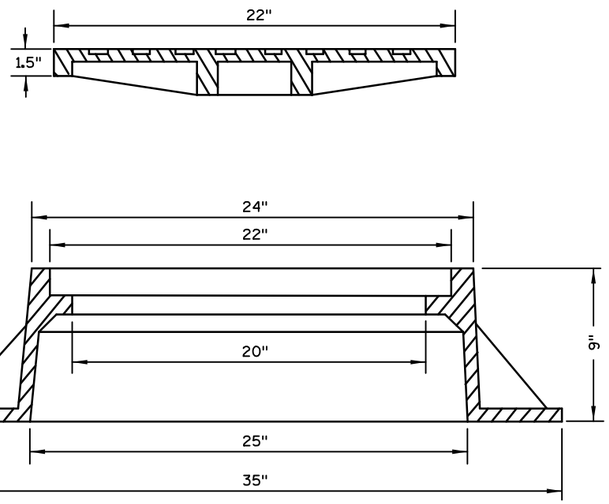
SECTION A-A
(CATCH BASIN 4-FT, RB SHOWN)

DETAIL OF CONCRETE CURB AND GUTTER AT CATCH BASINS



DETAIL FOR COMPUTING MANHOLE ELEVATIONS

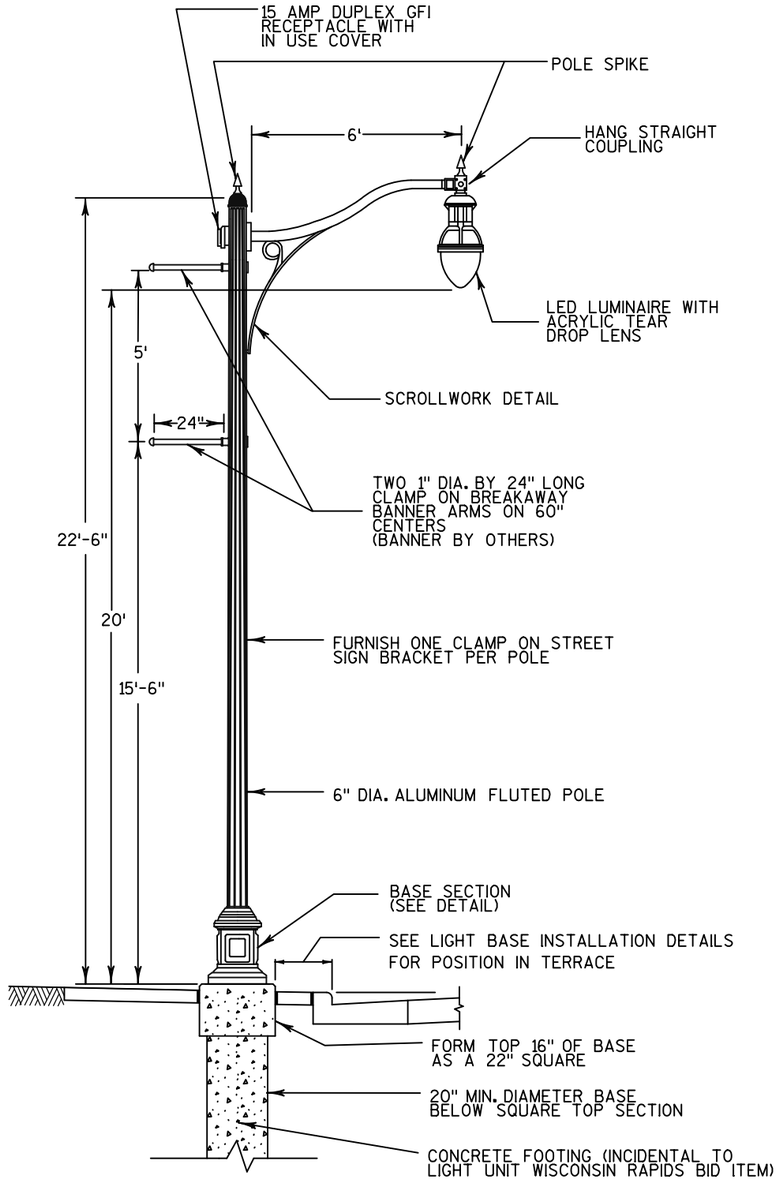
(MANHOLES 4-FT DIAMETER AND MANHOLE COVERS TYPE JB SHOWN)



MANHOLE COVERS TYPE JB

TOTAL WEIGHT APPROXIMATELY 310 POUNDS

2



LIGHT UNIT WISCONSIN RAPIDS DETAIL

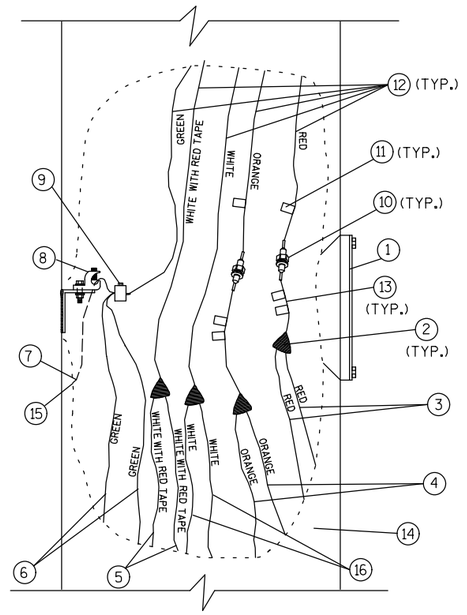
NO SCALE

NOTE: ADJUST POSITION OF RECEPTACLE AND BANNER ARMS 90 DEGREES FOR TWIN ARM LUMINAIRE UNIT.

SEE SDD'S "NON FREEWAY LIGHTING UNIT POLE WIRING" FOR ADDITIONAL INFORMATION NOT SHOWN ON THIS DETAIL

1. HANDHOLE AND COVER
2. APPROVED INSULATED MULTITAP TERMINAL BLOCK TYPE CONNECTORS. COMPRESSION, CRIMP OR WIRE NUT CONNECTORS ARE NOT ALLOWED.
3. INSULATED UNGROUNDED LIGHTING CKT CONDUCTORS FROM SYSTEM RACEWAY
4. INSULATED UNGROUNDED RECEPTACLE CKT CONDUCTORS FROM SYSTEM RACEWAY
5. LIGHTING CKT GROUNDED CONDUCTORS FROM SYSTEM RACEWAY (MARK WITH RED TAPE AT BOTH ENDS OF WIRE)
6. EQUIPMENT GROUNDING CONDUCTORS FROM SYSTEM RACEWAY
7. #4 BARE EQUIPMENT GROUNDING CONDUCTOR TO GROUND ROD (SEE S.D.D. FOR ADDITIONAL INFORMATION)
8. TYPICAL GROUNDING CONNECTION STAINLESS STEEL BOLT, NUT AND WASHERS 1/2" X 1 1/2" X 13 TPI
9. APPROVED MECHANICAL TYPE CONNECTOR FOR EQUIPMENT GROUNDING CONDUCTORS. COMPRESSION, CRIMP OR WIRE NUT CONNECTORS ARE NOT ALLOWED.
10. FUSE ASSEMBLY, (SEE S.D.D. FOR ADDITIONAL INFORMATION)
11. CIRCUIT TAG, BOTH SIDES OF ALL FUSES (TYP.)
12. #12 AWG CONDUCTORS TO LUMINAIRE(S)/RECEPTACLE (SEE S.D.D. FOR ADDITIONAL INFORMATION)
13. 18" PIGTAIL BETWEEN SPLICE AND FUSE
14. TWO ADDITIONAL BLACK CONDUCTORS FOR FUTURE USE IN SYSTEM RACEWAY (NOT SHOWN)
15. EXOTHERMICALLY WELDED TO GROUNDING ELECTRODE
16. RECEPTACLE CIRCUIT GROUNDED CONDUCTORS FROM SYSTEM RACEWAY

FUSE RATING
15A - RECEPTACLES
5A - LUMINAIRES

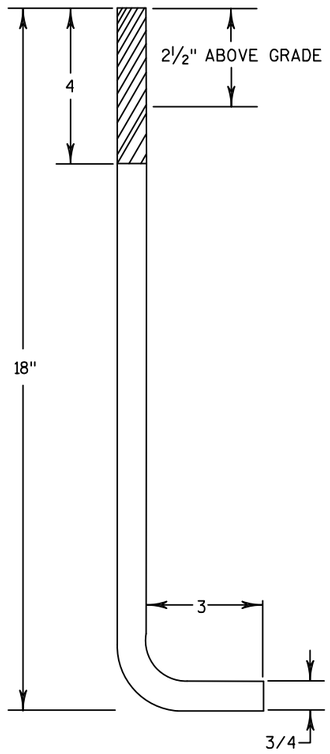


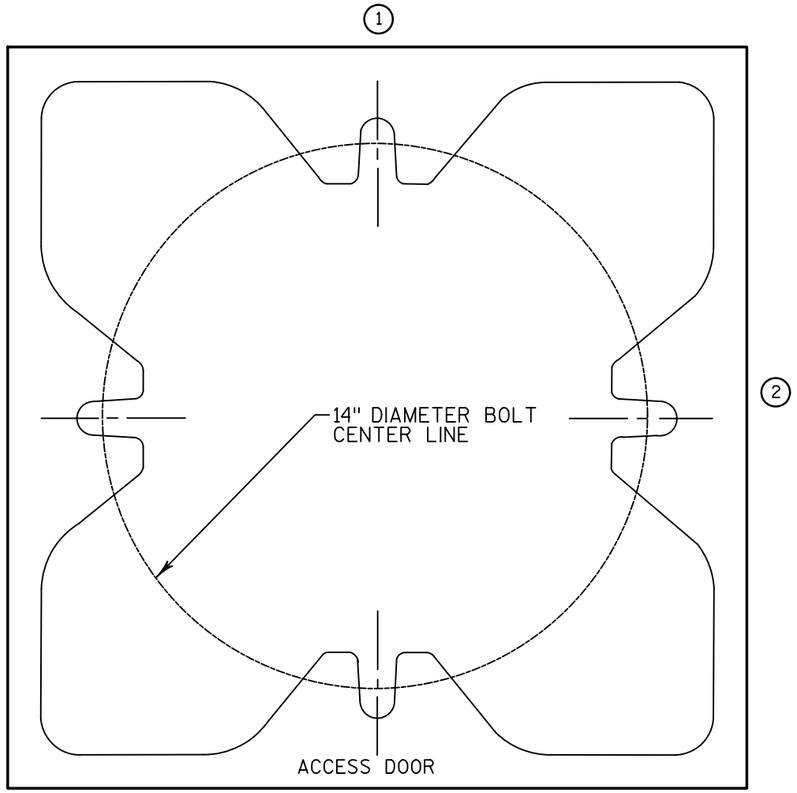
POLE WIRING DETAIL

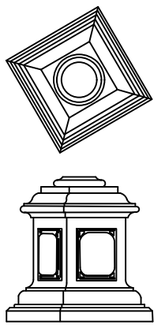
NO SCALE

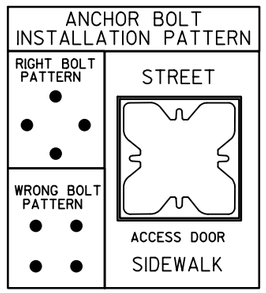
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 16	E

TYPICAL HARDWARE REQUIRED PER BASE
· 4 ANCHOR BOLTS
· 4 NUTS
· 4 WASHERS
· 3 WASHERS FOR LEVELING IF NEEDED.



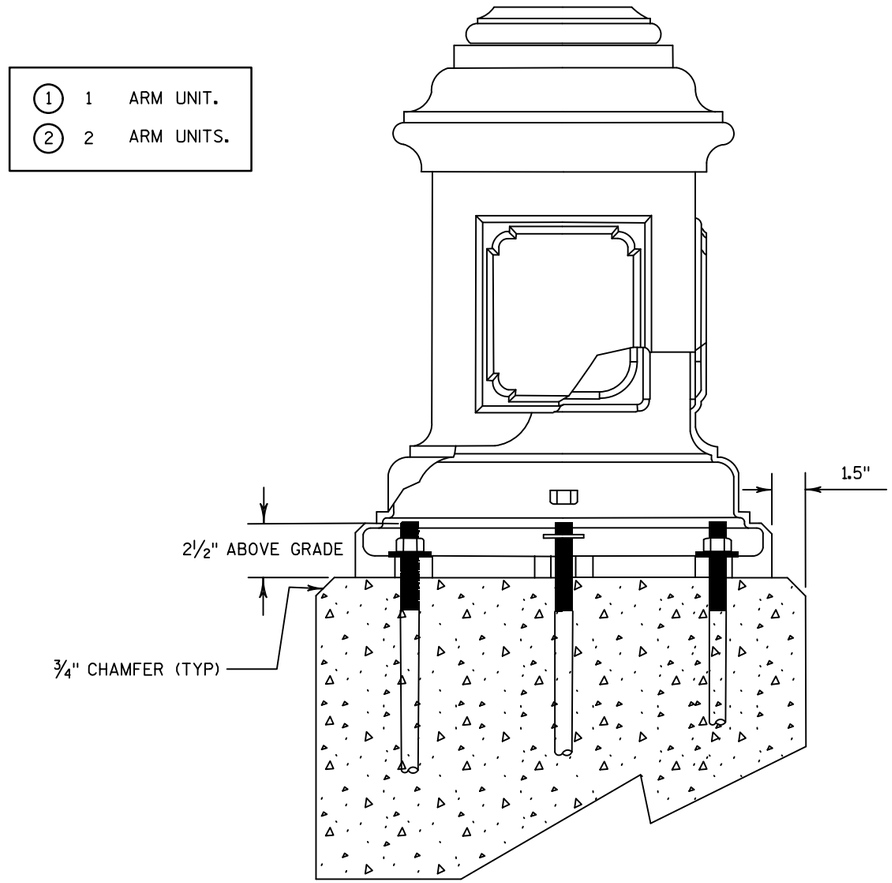




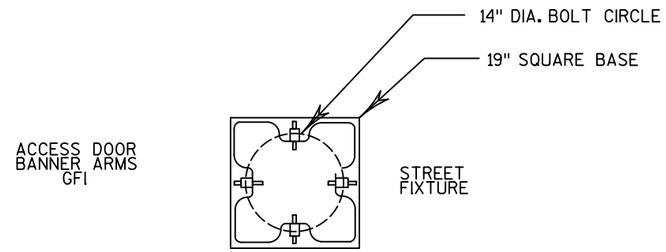


¾" DIAMETER X 18" LONG BOLTS WITH 4" +/- ½" OF THREAD AND 3" +/- ¼" HOOK.

1	1	ARM UNIT.
2	2	ARM UNITS.

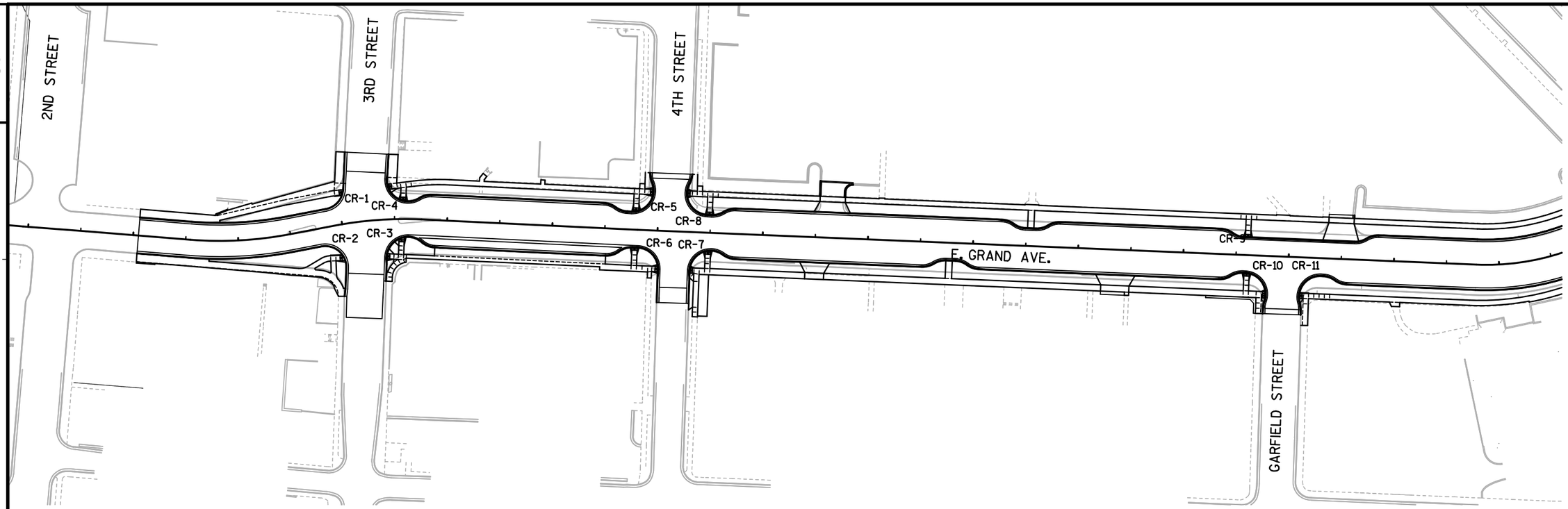


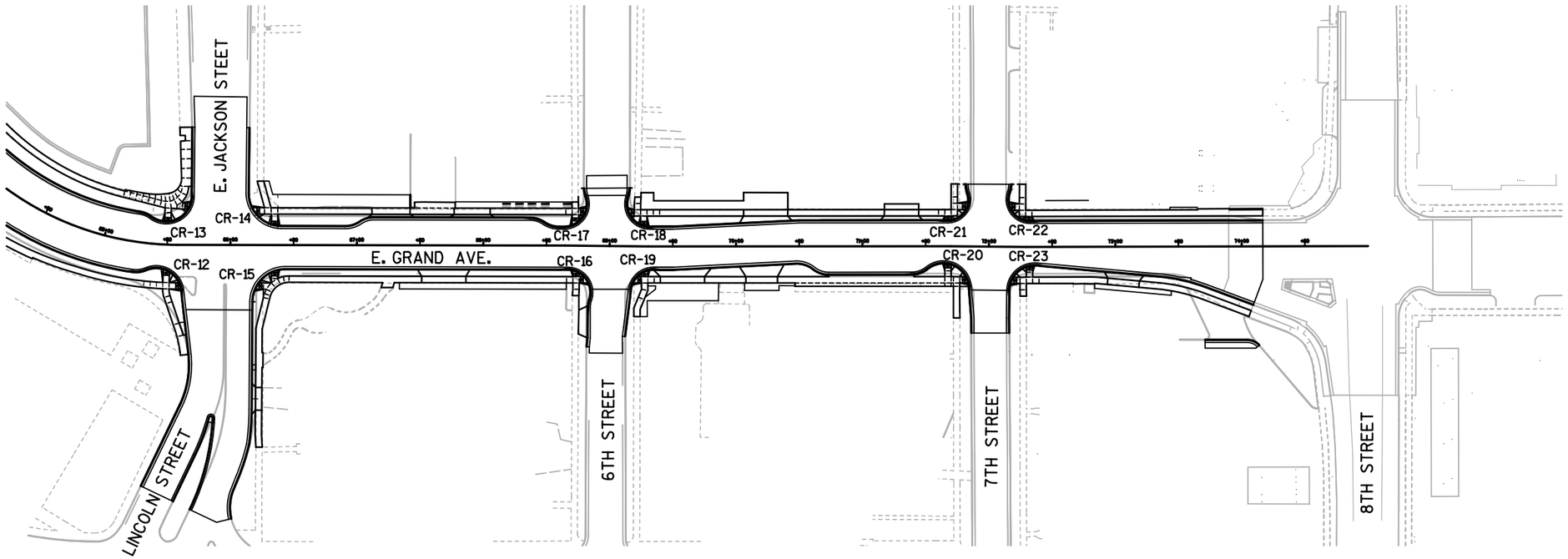
NOTE:
THE EXACT SIZE, DEPTH & REINFORCEMENT FOR THE CONCRETE BASE TO BE DETERMINED BY POLE MANUFACTURER



POLE BASE DETAIL

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS	SHEET 17	E

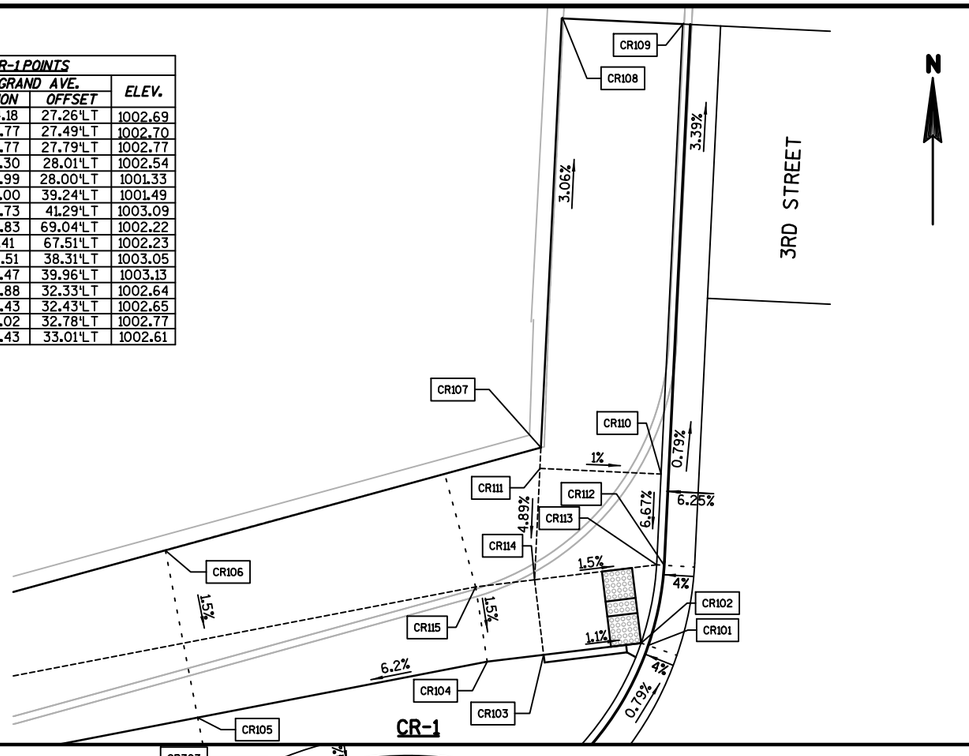




PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS OVERVIEW	SHEET 18	E

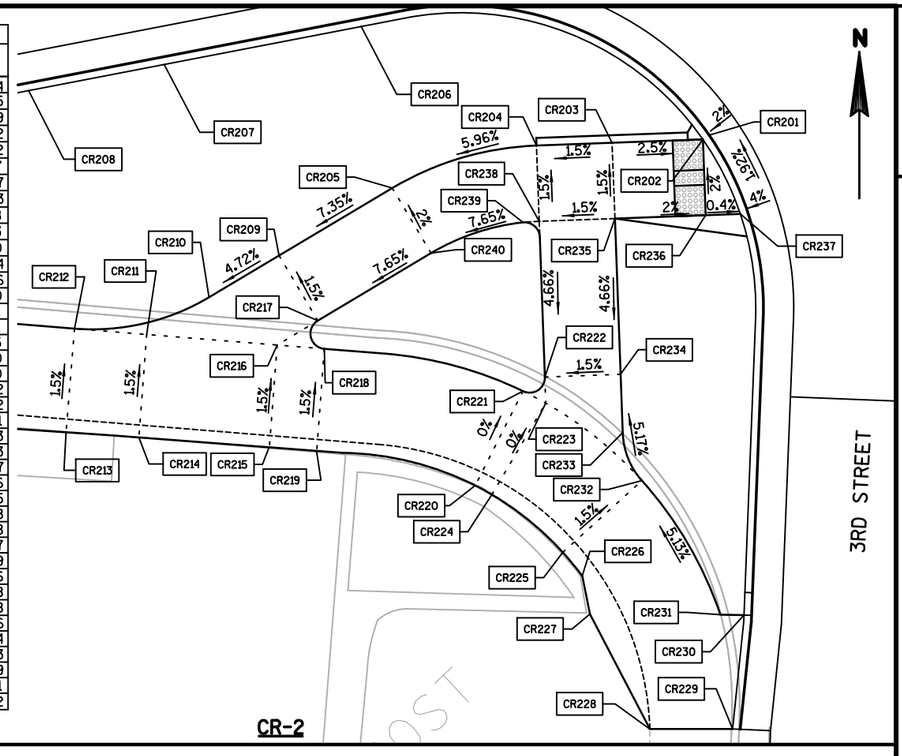
2

CR-1 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR101	53+04.18	27.26'LT	1002.69
CR102	53+03.77	27.49'LT	1002.70
CR103	52+97.77	27.79'LT	1002.77
CR104	52+94.30	28.01'LT	1002.54
CR105	52+74.99	28.00'LT	1001.33
CR106	52+75.00	39.24'LT	1001.49
CR107	52+99.73	41.29'LT	1003.09
CR108	53+04.83	69.04'LT	1002.22
CR109	53+11.41	67.51'LT	1002.23
CR110	53+06.51	38.31'LT	1003.05
CR111	52+99.47	39.96'LT	1003.13
CR112	53+05.88	32.33'LT	1002.64
CR113	53+05.43	32.43'LT	1002.65
CR114	52+98.02	32.78'LT	1002.77
CR115	52+94.43	33.01'LT	1002.61

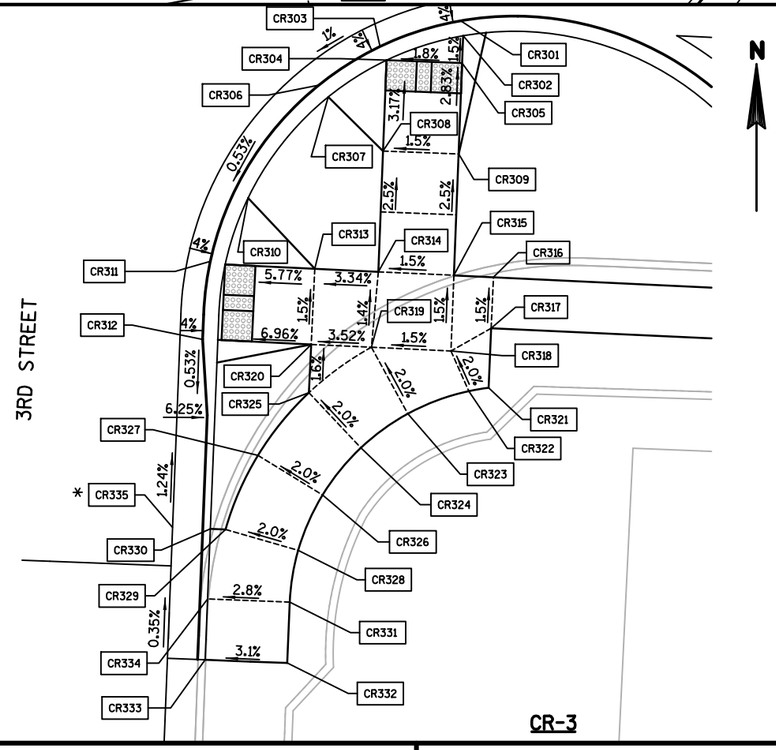


CR-1

CR-2 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR201	52+95.08	28.89'RT	1002.84
CR202	52+94.59	29.10'RT	1002.85
CR203	52+88.46	28.18'RT	1002.99
CR204	52+83.51	27.41'RT	1002.92
CR205	52+73.64	28.37'RT	1002.32
CR206	52+73.64	17.50'RT	1001.07
CR207	52+60.40	17.50'RT	1000.87
CR208	52+51.28	17.50'RT	1000.33
CR209	52+65.46	31.33'RT	1001.68
CR210	52+60.40	33.15'RT	1001.43
CR211	52+55.89	34.78'RT	1001.20
CR212	52+51.28	33.50'RT	1000.74
CR213	52+49.45	40.07'RT	1000.86
CR214	52+54.10	41.36'RT	1001.30
CR215	52+62.43	43.62'RT	1001.61
CR216	52+64.21	37.09'RT	1001.51
CR217	52+67.16	36.03'RT	1001.75
CR218	52+67.23	37.93'RT	1001.70
CR219	52+65.45	44.45'RT	1001.80
CR220	52+75.30	48.68'RT	1002.32
CR221	52+79.58	43.16'RT	1002.32
CR222	52+81.16	42.52'RT	1002.51
CR223	52+80.90	44.22'RT	1002.43
CR224	52+76.26	49.48'RT	1002.43
CR225	52+80.14	54.11'RT	1003.07
CR226	52+81.10	55.89'RT	1003.26
CR227	52+81.12	58.44'RT	1003.45
CR228	52+83.57	66.64'RT	1003.78
CR229	52+88.94	67.68'RT	1003.58
CR230	52+91.10	60.44'RT	1003.47
CR231	52+89.57	60.12'RT	1003.49
CR232	52+86.17	50.45'RT	1002.96
CR233	52+85.51	47.11'RT	1002.78
CR234	52+86.11	43.29'RT	1002.58
CR235	52+87.69	33.11'RT	1003.06
CR236	52+93.78	34.04'RT	1002.94
CR237	52+96.29	34.37'RT	1002.93
CR238	52+82.75	32.35'RT	1002.99
CR239	52+81.68	32.23'RT	1002.91
CR240	52+75.34	33.07'RT	1002.42



CR-2

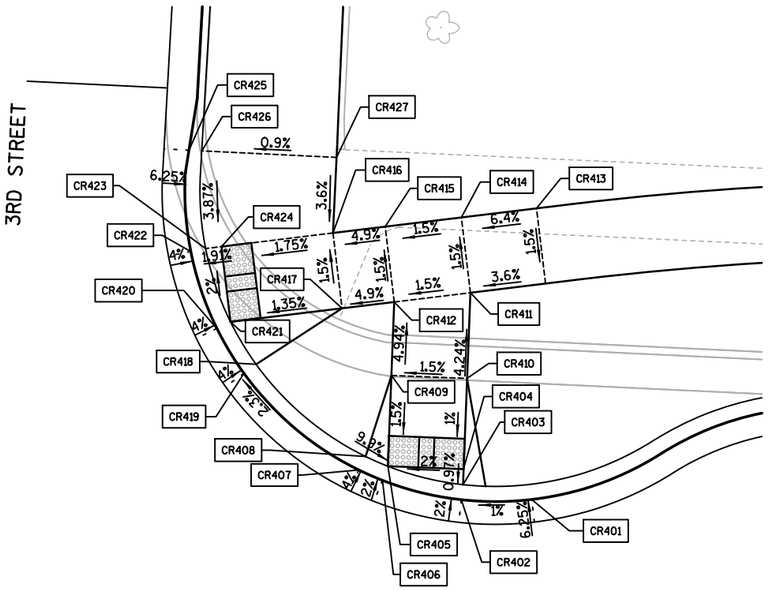


CR-3

CR-3 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR301	53+59.15	16.83'RT	1004.60
CR302	53+59.33	17.81'RT	1004.61
CR303	53+53.52	18.49'RT	1004.60
CR304	53+53.97	19.40'RT	1004.55
CR305	53+59.25	19.62'RT	1004.64
CR306	53+49.18	20.95'RT	-
CR307	53+49.83	21.75'RT	1004.99
CR308	53+53.62	25.39'RT	1004.74
CR309	53+59.01	25.62'RT	1004.81
CR310	53+43.91	28.19'RT	1004.93
CR311	53+40.95	32.29'RT	1004.40
CR312	53+40.08	37.41'RT	1004.37
CR313	53+48.53	33.06'RT	1004.80
CR314	53+53.15	33.35'RT	1004.94
CR315	53+58.67	33.63'RT	1005.01
CR316	53+61.56	33.75'RT	1005.03
CR317	53+61.41	37.12'RT	-
CR318	53+58.45	38.63'RT	1005.09
CR319	53+52.56	38.33'RT	1005.01
CR320	53+48.10	38.04'RT	1004.87
CR321	53+61.27	41.04'RT	-
CR322	53+59.78	41.27'RT	-
CR323	53+55.19	42.75'RT	-
CR324	53+51.62	44.95'RT	-
CR325	53+47.82	41.22'RT	1004.92
CR326	53+48.62	47.99'RT	-
CR327	53+43.81	45.23'RT	1004.85
CR328	53+46.60	51.60'RT	-
CR329	53+41.06	50.01'RT	1004.87
CR330	53+39.90	49.92'RT	1004.85
CR331	53+45.79	54.99'RT	-
CR332	53+45.42	59.01'RT	-
CR333	53+38.93	58.54'RT	-
CR334	53+39.39	54.53'RT	1004.88
CR335	53+37.00	49.68'RT	1004.48

*CURB AND GUTTER LONGITUDINAL SLOPE CHANGE

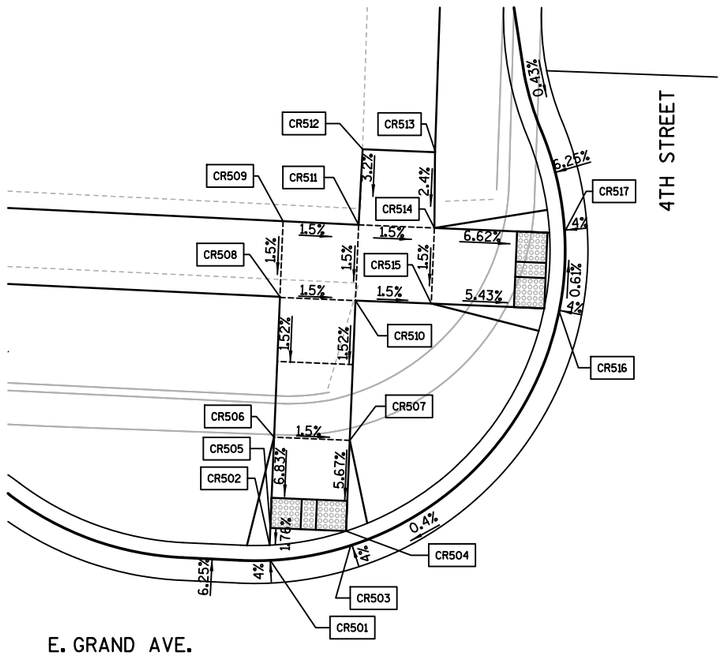
CR-4 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR401	53+64.93	16.68'LT	1004.63
CR402	53+60.49	16.61'LT	1004.58
CR403	53+60.59	17.60'LT	1004.59
CR404	53+60.62	18.63'LT	1004.60
CR405	53+55.88	18.83'LT	1004.50
CR406	53+55.53	17.90'LT	1004.48
CR407	53+54.06	18.60'LT	1004.41
CR408	53+54.49	19.49'LT	1004.66
CR409	53+56.14	24.82'LT	1004.59
CR410	53+60.81	24.62'LT	1004.66
CR411	53+60.98	30.28'LT	1004.42
CR412	53+56.35	29.67'LT	1004.35
CR413	53+64.91	35.89'LT	1004.67
CR414	53+60.41	35.24'LT	1004.35
CR415	53+55.84	34.64'LT	1004.28
CR416	53+52.70	34.27'LT	1004.11
CR417	53+53.17	29.30'LT	1004.18
CR418	53+47.83	25.72'LT	1004.48
CR419	53+47.06	25.16'LT	1004.15
CR420	53+45.50	28.19'LT	1004.07
CR421	53+46.35	28.60'LT	1004.08
CR422	53+44.11	33.34'LT	1003.94
CR423	53+45.01	33.49'LT	1003.96
CR424	53+45.96	33.58'LT	1003.98
CR425	53+44.25	40.02'LT	1003.71
CR426	53+45.01	39.93'LT	1004.21
CR427	53+52.99	39.26'LT	1004.29



CR-4

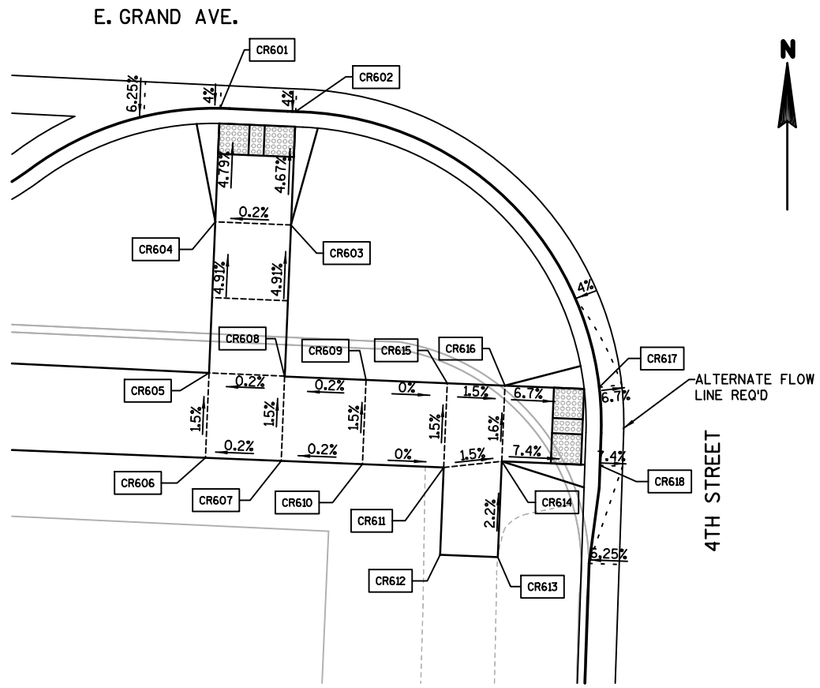
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 19	E

CR-5 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR501	55+76.39	16.60'LT	1005.70
CR502	55+76.30	17.59'LT	1005.71
CR503	55+81.75	17.82'LT	1005.72
CR504	55+81.40	18.76'LT	1005.73
CR505	55+76.29	18.73'LT	1005.73
CR506	55+76.25	24.73'LT	1006.14
CR507	55+81.40	24.76'LT	1006.07
CR508	55+76.20	34.00'LT	1006.28
CR509	55+76.16	39.00'LT	1006.35
CR510	55+81.40	34.00'LT	1006.21
CR511	55+81.40	39.00'LT	1006.28
CR512	55+81.46	44.00'LT	1006.44
CR513	55+86.26	44.00'LT	1006.33
CR514	55+86.40	39.00'LT	1006.21
CR515	55+86.40	34.00'LT	1006.14
CR516	55+94.86	33.84'LT	1005.68
CR517	55+95.01	39.10'LT	1005.64

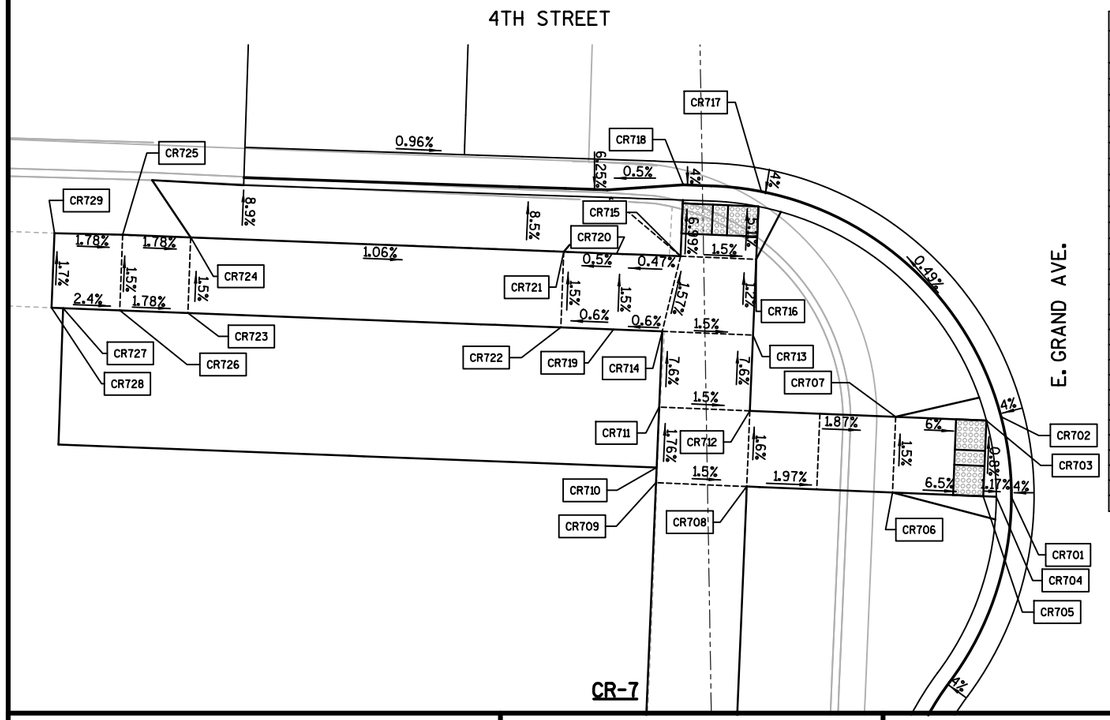


CR-5

CR-6 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR601	55+76.51	16.51'RT	1005.70
CR602	55+81.40	16.50'RT	1005.72
CR603	55+81.40	23.99'RT	1006.07
CR604	55+76.55	24.02'RT	1006.06
CR605	55+76.61	34.00'RT	1006.55
CR606	55+76.64	39.60'RT	-
CR607	55+81.40	39.57'RT	-
CR608	55+81.40	34.00'RT	1006.56
CR609	55+86.78	34.00'RT	1006.57
CR610	55+86.77	39.56'RT	-
CR611	55+92.15	39.56'RT	-
CR612	55+92.15	45.33'RT	-
CR613	55+95.96	45.32'RT	-
CR614	55+95.96	39.00'RT	1006.59
CR615	55+92.15	34.00'RT	1006.57
CR616	55+95.96	34.00'RT	1006.51
CR617	56+02.18	33.85'RT	1006.09
CR618	56+02.44	38.99'RT	1006.11

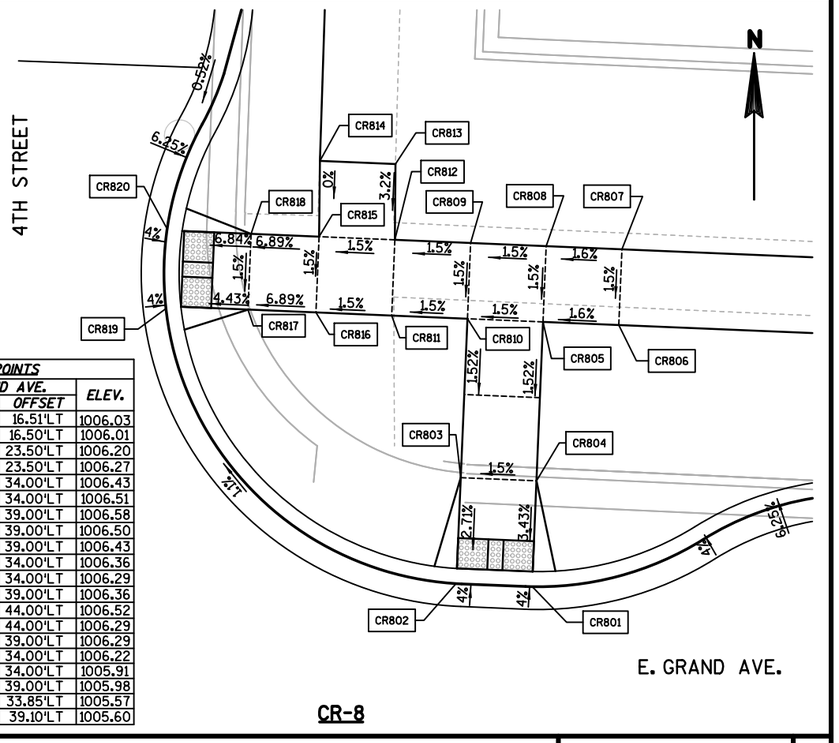


CR-6



CR-7

CR-7 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR701	56+51.12	16.52'RT	1006.04
CR702	56+45.86	17.42'RT	1006.01
CR703	56+46.16	18.37'RT	1006.02
CR704	56+51.16	17.52'RT	1006.05
CR705	56+51.16	18.37'RT	1006.06
CR706	56+51.16	24.37'RT	1006.45
CR707	56+46.16	24.37'RT	1006.38
CR708	56+51.16	34.00'RT	1006.64
CR709	56+51.16	40.00'RT	1006.73
CR710	56+50.16	40.00'RT	1006.72
CR711	56+46.16	40.00'RT	1006.65
CR712	56+46.16	34.00'RT	1006.56
CR713	56+41.16	34.00'RT	1006.18
CR714	56+41.16	40.00'RT	1006.27
CR715	56+36.16	39.00'RT	1006.19
CR716	56+36.16	34.00'RT	1006.12
CR717	56+31.67	33.85'RT	1005.89
CR718	56+31.44	39.01'RT	1005.86
CR719	56+41.16	43.20'RT	1006.25
CR720	56+36.16	43.22'RT	1006.17
CR721	56+36.18	46.72'RT	1006.15
CR722	56+41.18	46.70'RT	1006.23
CR723	56+41.25	71.34'RT	1006.48
CR724	56+36.25	71.36'RT	1006.41
CR725	56+36.27	75.86'RT	1006.49
CR726	56+41.27	75.84'RT	1006.56
CR727	56+41.28	79.59'RT	1006.65
CR728	56+41.28	80.34'RT	1006.66
CR729	56+36.35	80.36'RT	1006.57



CR-8

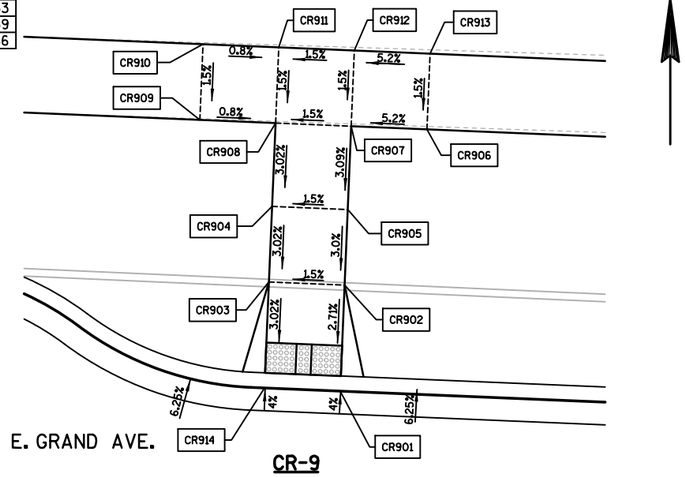
CR-8 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR801	56+51.29	16.51'LT	1006.03
CR802	56+46.25	16.50'LT	1006.01
CR803	56+46.27	23.50'LT	1006.20
CR804	56+51.27	23.50'LT	1006.27
CR805	56+51.27	34.00'LT	1006.43
CR806	56+56.27	34.00'LT	1006.51
CR807	56+56.27	39.00'LT	1006.58
CR808	56+51.27	39.00'LT	1006.50
CR809	56+46.27	39.00'LT	1006.43
CR810	56+46.27	34.00'LT	1006.36
CR811	56+41.27	34.00'LT	1006.29
CR812	56+41.27	39.00'LT	1006.36
CR813	56+41.10	44.00'LT	1006.52
CR814	56+36.10	44.00'LT	1006.29
CR815	56+36.27	39.00'LT	1006.29
CR816	56+36.27	34.00'LT	1006.22
CR817	56+31.77	34.00'LT	1005.91
CR818	56+31.77	39.00'LT	1005.98
CR819	56+26.36	33.85'LT	1005.57
CR820	56+26.22	39.10'LT	1005.60

CR-8

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET	E

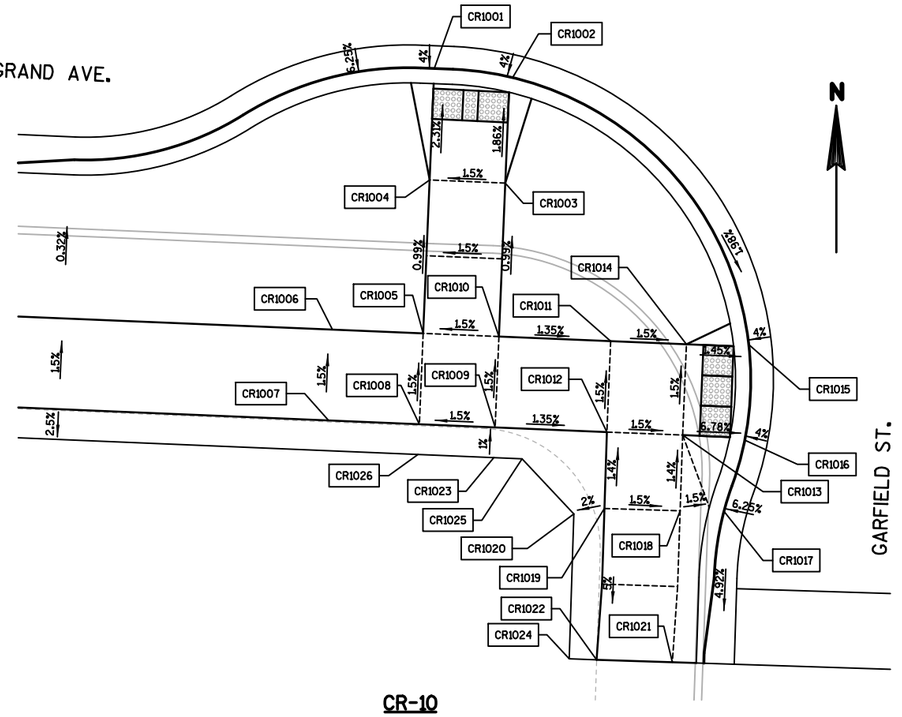
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CR-9 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR901	61+63.17	16.50'LT	1008.75
CR902	61+63.17	23.50'LT	1008.94
CR903	61+58.17	23.50'LT	1008.87
CR904	61+58.17	28.50'LT	1009.02
CR905	61+63.17	28.50'LT	1009.02
CR906	61+68.17	34.00'LT	1009.52
CR907	61+63.17	34.00'LT	1009.26
CR908	61+58.17	34.00'LT	1009.19
CR909	61+53.17	34.00'LT	1009.23
CR910	61+53.17	39.00'LT	1009.30
CR911	61+58.17	39.00'LT	1009.26
CR912	61+63.17	39.00'LT	1009.33
CR913	61+68.17	39.00'LT	1009.59
CR914	61+58.17	16.50'LT	1008.66



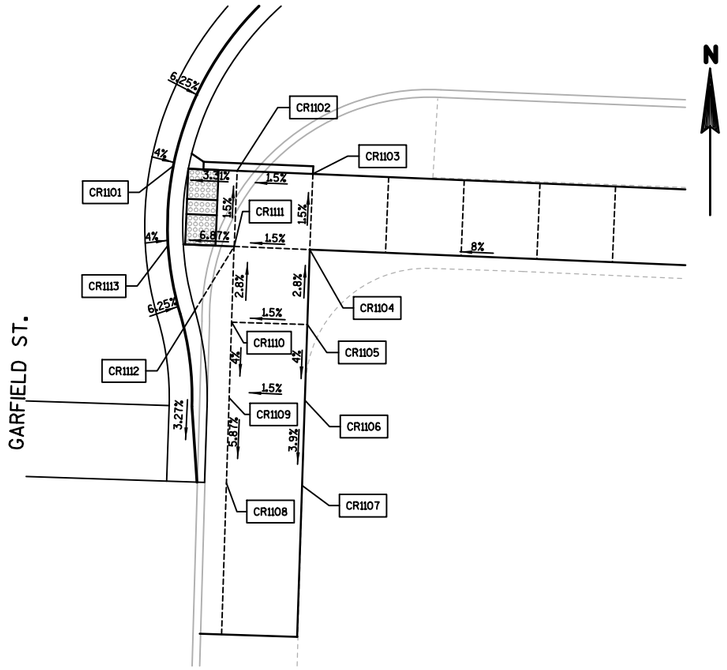
CR-9

CR-10 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1001	61+58.17	16.50'RT	1008.66
CR1002	61+63.37	16.88'RT	1008.77
CR1003	61+63.17	23.87'RT	1008.90
CR1004	61+58.17	23.87'RT	1008.83
CR1005	61+58.17	34.00'RT	1008.93
CR1006	61+52.17	34.00'RT	1008.94
CR1007	61+52.17	40.00'RT	1009.03
CR1008	61+58.17	40.00'RT	1009.02
CR1009	61+63.17	40.00'RT	1009.09
CR1010	61+63.17	34.00'RT	1009.00
CR1011	61+70.56	34.00'RT	1008.90
CR1012	61+70.56	40.00'RT	1008.99
CR1013	61+75.56	40.00'RT	1008.92
CR1014	61+75.56	34.00'RT	1008.83
CR1015	61+79.68	33.85'RT	1008.83
CR1016	61+79.68	40.15'RT	1008.64
CR1017	61+78.50	44.91'RT	1008.96
CR1018	61+75.61	45.00'RT	1008.99
CR1019	61+70.61	45.05'RT	1009.06
CR1020	61+68.61	45.50'RT	1009.02
CR1021	61+75.51	55.00'RT	1008.55
CR1022	61+70.51	55.05'RT	1008.56
CR1023	61+63.17	42.00'RT	1009.11
CR1024	61+68.70	55.07'RT	1008.52
CR1025	61+65.04	42.00'RT	1009.15
CR1026	61+58.17	42.00'RT	1009.03



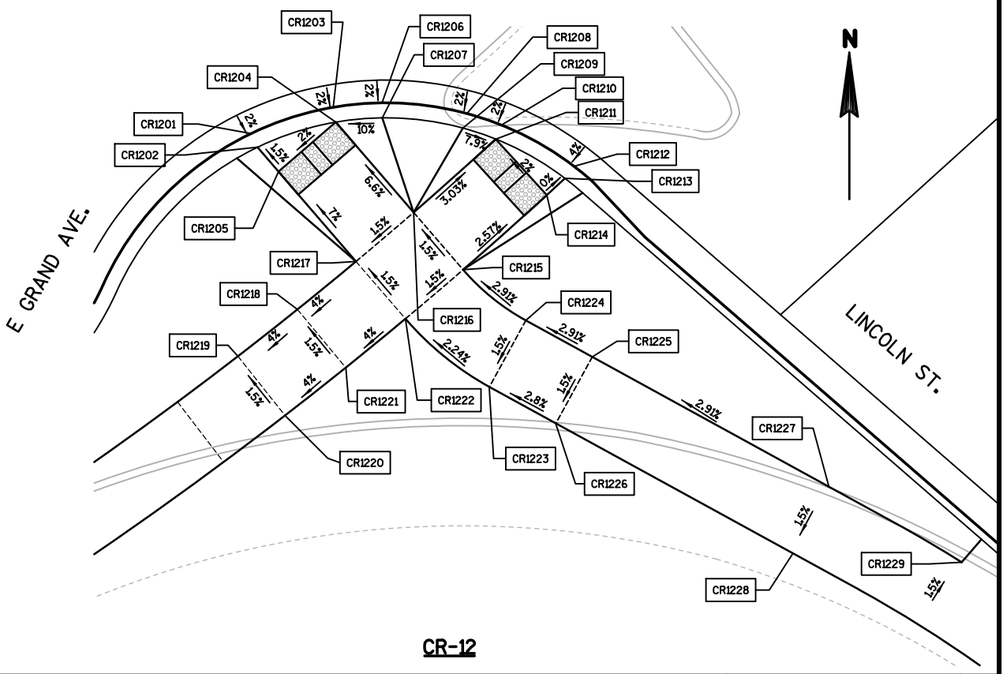
CR-10

CR-11 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1101	62+11.17	33.85'RT	1009.63
CR1102	62+15.39	34.00'RT	1009.77
CR1103	62+20.39	34.00'RT	1009.84
CR1104	62+20.39	39.00'RT	1009.91
CR1105	62+20.43	43.95'RT	1010.05
CR1106	62+20.48	48.95'RT	1009.85
CR1107	62+20.53	54.58'RT	1009.63
CR1108	62+15.53	54.63'RT	1009.45
CR1109	62+15.48	49.00'RT	1009.78
CR1110	62+15.44	44.00'RT	1009.98
CR1111	62+15.39	39.00'RT	1009.84
CR1112	62+12.98	43.34'RT	1009.94
CR1113	62+11.03	39.10'RT	1009.54



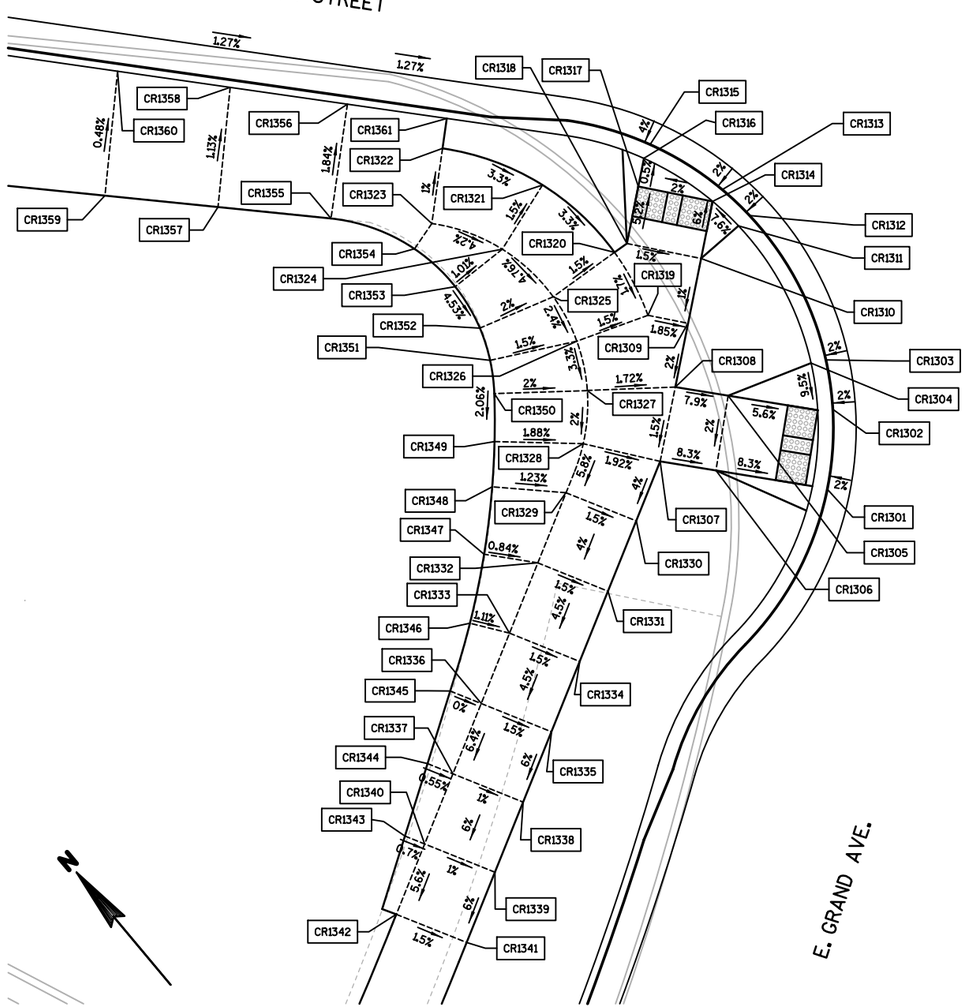
CR-11

CR-12 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1201	65+48.03	19.07'RT	1005.03
CR1202	65+47.80	20.04'RT	1005.05
CR1203	65+52.87	21.28'RT	1005.17
CR1204	65+52.39	22.14'RT	1005.18
CR1205	65+47.83	22.17'RT	1005.08
CR1206	65+55.25	23.19'RT	1005.25
CR1207	65+54.65	23.94'RT	1005.53
CR1208	65+58.60	27.46'RT	1005.43
CR1209	65+57.81	28.00'RT	1005.68
CR1210	65+59.77	29.57'RT	1005.46
CR1211	65+58.87	30.00'RT	1005.48
CR1212	65+61.48	34.81'RT	1005.57
CR1213	65+60.49	34.99'RT	1005.58
CR1214	65+58.87	35.00'RT	1005.58
CR1215	65+52.36	35.00'RT	1005.77
CR1216	65+52.37	30.00'RT	1005.70
CR1217	65+47.95	30.00'RT	1005.63
CR1218	65+43.53	30.00'RT	1005.43
CR1219	65+39.10	30.00'RT	1005.23
CR1220	65+39.18	35.00'RT	1005.30
CR1221	65+43.60	35.00'RT	1005.50
CR1222	65+48.02	35.00'RT	1005.70
CR1223	65+49.17	42.01'RT	1005.86
CR1224	65+53.14	40.25'RT	1005.93
CR1225	65+54.58	44.95'RT	1006.07
CR1226	65+50.67	46.68'RT	1006.00
CR1227	65+59.63	61.80'RT	1006.59
CR1228	65+55.62	63.43'RT	1006.52
CR1229	65+62.73	71.36'RT	1006.72



CR-12

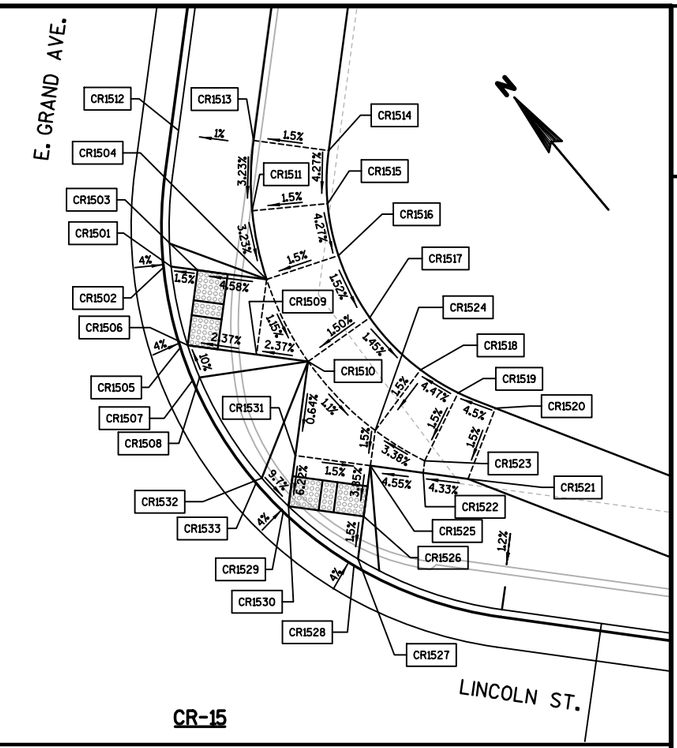
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 21	E



CR-13

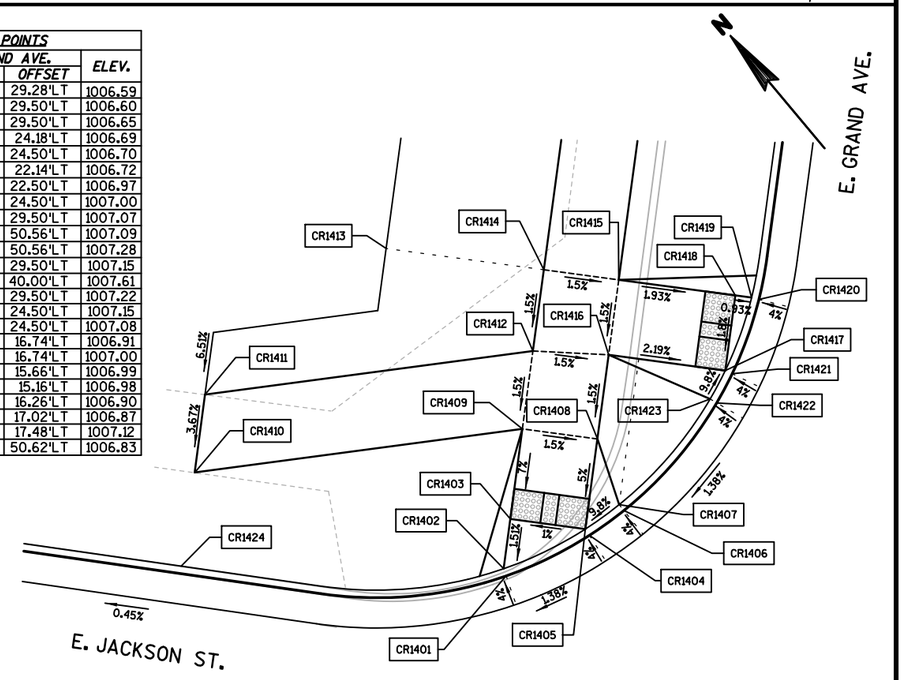
CR-13 POINTS			
POINT NO.	E. GRAND AVE. STATION	E. GRAND AVE. OFFSET	ELEV.
CR1301	65+47.06	17.80'LT	1004.38
CR1302	65+52.76	18.33'LT	1004.71
CR1303	65+56.21	19.27'LT	1004.83
CR1304	65+55.82	20.20'LT	1005.05
CR1305	65+52.55	25.30'LT	1005.10
CR1306	65+46.93	25.26'LT	1005.00
CR1307	65+46.85	28.98'LT	105.31
CR1308	65+52.57	28.84'LT	1005.38
CR1309	65+57.46	28.62'LT	1005.47
CR1310	65+61.92	28.34'LT	1005.51
CR1311	65+64.37	26.17'LT	1005.42
CR1312	65+65.15	25.54'LT	1005.20
CR1313	65+66.60	27.55'LT	1005.26
CR1314	65+65.75	28.09'LT	1005.28
CR1315	65+68.92	32.67'LT	1005.36
CR1316	65+67.96	32.95'LT	1005.37
CR1317	65+66.08	33.08'LT	1005.38
CR1318	65+62.24	33.32'LT	1005.58
CR1319	65+57.65	31.31'LT	1005.52
CR1320	65+61.55	34.05'LT	1005.60
CR1321	65+65.32	39.35'LT	1005.82
CR1322	65+66.84	46.22'LT	1006.05
CR1323	65+61.84	46.26'LT	1006.10
CR1324	65+60.77	41.42'LT	1005.89
CR1325	65+58.08	37.67'LT	1005.67
CR1326	65+54.89	35.72'LT	1005.59
CR1327	65+51.23	34.53'LT	105.48
CR1328	65+47.10	34.19'LT	1005.41
CR1329	65+43.12	34.69'LT	1005.21
CR1330	65+42.07	29.77'LT	1005.14
CR1331	65+36.39	30.60'LT	1004.94
CR1332	65+37.30	35.54'LT	1005.01
CR1333	65+31.44	36.27'LT	1004.79
CR1334	65+30.67	31.31'LT	1004.72
CR1335	65+24.92	31.89'LT	1004.49
CR1336	65+25.54	36.86'LT	1004.56
CR1337	65+19.60	37.33'LT	1004.24
CR1338	65+19.13	32.35'LT	1004.19
CR1339	65+13.32	32.68'LT	1003.89
CR1340	65+13.64	37.67'LT	1003.94
CR1341	65+07.49	32.88'LT	1003.59
CR1342	65+07.66	37.88'LT	1003.66
CR1343	65+13.73	39.08'LT	1003.95
CR1344	65+19.78	39.13'LT	1004.25
CR1345	65+25.82	39.05'LT	1004.56
CR1346	65+31.42	38.96'LT	1004.82
CR1347	65+37.03	39.12'LT	1005.05
CR1348	65+42.41	39.54'LT	1005.27
CR1349	65+45.99	39.97'LT	1005.52
CR1350	65+49.76	40.55'LT	1005.60
CR1351	65+52.34	41.18'LT	1005.68
CR1352	65+54.78	42.18'LT	1005.78
CR1353	65+57.84	44.17'LT	1005.93
CR1354	65+60.02	47.17'LT	1006.10
CR1355	65+61.27	52.90'LT	1006.25
CR1356	65+68.90	52.83'LT	1006.11
CR1357	65+61.03	60.39'LT	1006.30
CR1358	65+68.96	60.65'LT	1006.21
CR1359	65+60.79	67.89'LT	1006.35
CR1360	65+69.03	68.16'LT	1006.31
CR1361	65+68.84	46.20'LT	1006.03

CR-15 POINTS			
POINT NO.	E. GRAND AVE. STATION	E. GRAND AVE. OFFSET	ELEV.
CR1501	66+37.33	19.72'RT	1007.03
CR1502	66+37.45	20.21'RT	1007.02
CR1503	66+37.45	21.98'RT	1007.06
CR1504	66+37.45	26.57'RT	1007.27
CR1505	66+32.23	21.53'RT	1007.00
CR1506	66+32.45	21.98'RT	1007.01
CR1507	66+30.19	22.62'RT	1006.99
CR1508	66+30.45	23.05'RT	1007.24
CR1509	66+32.45	26.57'RT	1007.12
CR1510	66+32.45	30.00'RT	1007.20
CR1511	66+41.82	25.02'RT	1007.42
CR1512	66+46.42	19.50'RT	1007.52
CR1513	66+46.42	24.50'RT	1007.57
CR1514	66+46.42	29.50'RT	1007.64
CR1515	66+42.94	29.90'RT	1007.49
CR1516	66+39.64	31.06'RT	1007.34
CR1517	66+35.86	33.66'RT	1007.27
CR1518	66+32.89	37.44'RT	1007.20
CR1519	66+31.72	40.10'RT	1007.33
CR1520	66+31.04	42.68'RT	1007.45
CR1521	66+26.18	41.51'RT	1007.38
CR1522	66+26.18	38.51'RT	1007.25
CR1523	66+26.97	38.51'RT	1007.26
CR1524	66+28.53	35.00'RT	1007.13
CR1525	66+26.18	35.00'RT	1007.09
CR1526	66+22.80	35.00'RT	1006.96
CR1527	66+19.96	35.00'RT	1006.92
CR1528	66+19.50	34.80'RT	1006.91
CR1529	66+22.40	29.71'RT	1006.94
CR1530	66+22.80	30.00'RT	1006.95
CR1531	66+26.18	30.00'RT	1007.16
CR1532	66+24.42	28.00'RT	1007.20
CR1533	66+24.04	27.67'RT	1006.95



CR-15

CR-14 POINTS			
POINT NO.	E. GRAND AVE. STATION	E. GRAND AVE. OFFSET	ELEV.
CR1401	66+17.09	29.28'LT	1006.59
CR1402	66+17.53	29.50'LT	1006.60
CR1403	66+20.85	29.50'LT	1006.65
CR1404	66+20.47	24.18'LT	1006.69
CR1405	66+20.85	24.50'LT	1006.70
CR1406	66+22.40	22.14'LT	1006.72
CR1407	66+22.74	22.50'LT	1006.97
CR1408	66+26.85	24.50'LT	1007.00
CR1409	66+26.85	29.50'LT	1007.07
CR1410	66+21.10	50.56'LT	1007.09
CR1411	66+26.30	50.56'LT	1007.28
CR1412	66+32.03	29.50'LT	1007.15
CR1413	66+37.45	40.00'LT	1007.61
CR1414	66+37.45	29.50'LT	1007.22
CR1415	66+37.45	24.50'LT	1007.15
CR1416	66+32.45	24.50'LT	1007.08
CR1417	66+32.45	16.74'LT	1006.91
CR1418	66+37.45	16.74'LT	1007.00
CR1419	66+37.45	15.66'LT	1006.99
CR1420	66+37.39	15.16'LT	1006.98
CR1421	66+32.29	16.26'LT	1006.90
CR1422	66+30.26	17.02'LT	1006.87
CR1423	66+30.45	17.48'LT	1007.12
CR1424	66+14.88	50.62'LT	1006.83

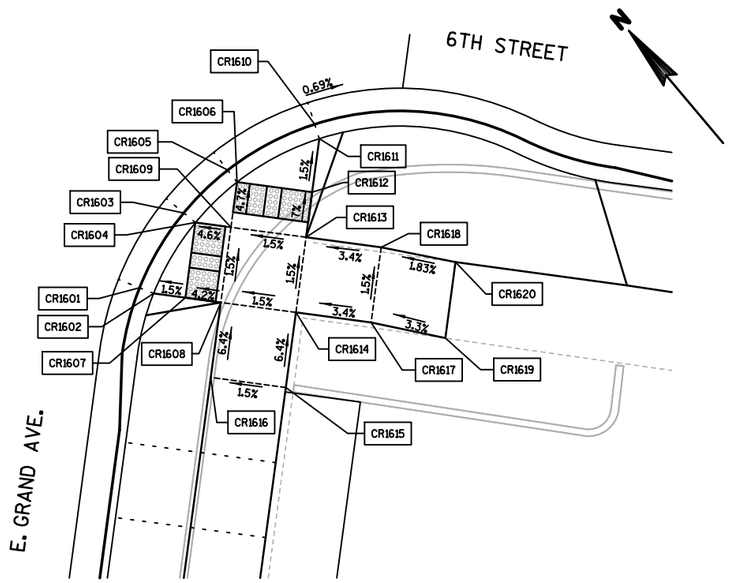


CR-14

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET E

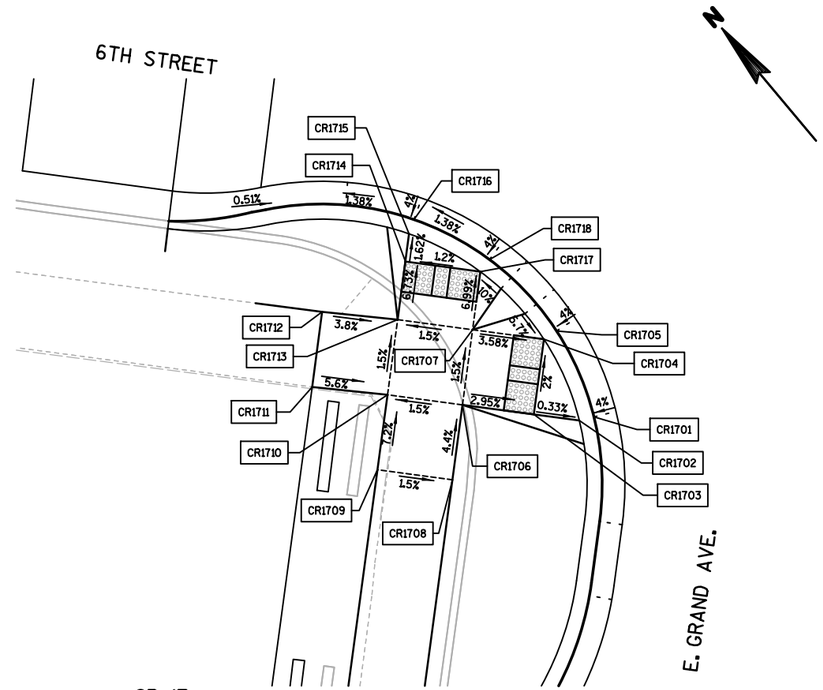
FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021024_cd_Curb Ramps.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CR-16 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1601	68+71.36	19.00'RT	1008.83
CR1602	68+71.12	19.98'RT	1008.54
CR1603	68+76.66	21.20'RT	1008.48
CR1604	68+76.14	22.06'RT	1008.49
CR1605	68+79.86	23.68'RT	1008.45
CR1606	68+79.17	24.40'RT	1008.46
CR1607	68+71.14	22.10'RT	1008.57
CR1608	68+71.16	24.46'RT	1008.67
CR1609	68+76.16	24.42'RT	1008.60
CR1610	68+83.67	28.94'RT	1008.40
CR1611	68+82.77	29.37'RT	1008.41
CR1612	68+79.20	29.40'RT	1008.46
CR1613	68+76.20	29.42'RT	1008.67
CR1614	68+71.20	29.46'RT	1008.74
CR1615	68+66.20	29.49'RT	1009.06
CR1616	68+66.16	24.49'RT	1008.99
CR1617	68+71.24	34.46'RT	1008.91
CR1618	68+76.24	34.42'RT	1008.84
CR1619	68+70.90	39.46'RT	1009.07
CR1620	68+75.96	39.42'RT	1008.93



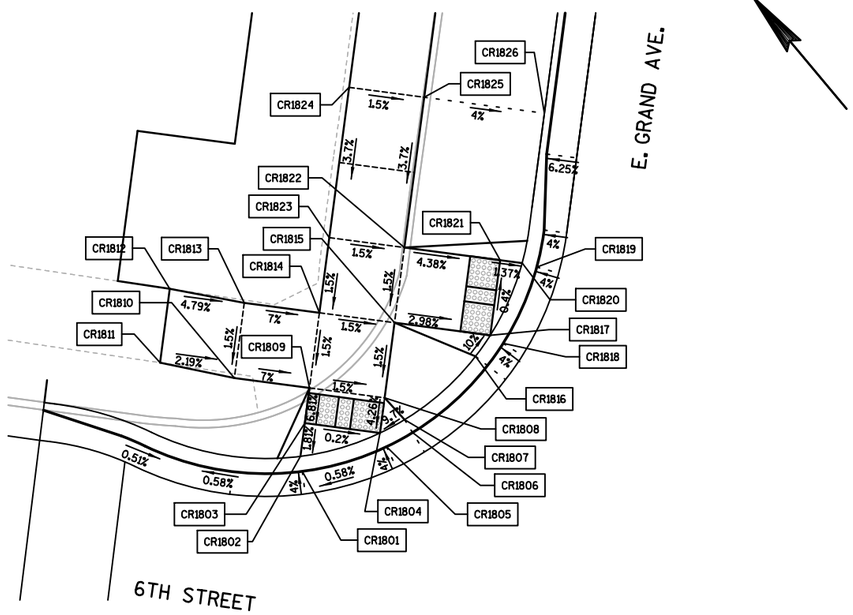
CR-16

CR-17 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1701	68+70.50	15.84'LT	1008.47
CR1702	68+70.12	16.76'LT	1008.48
CR1703	68+70.10	19.79'LT	1008.49
CR1704	68+75.10	19.83'LT	1008.39
CR1705	68+75.76	19.07'LT	1008.37
CR1706	68+70.07	24.54'LT	1008.63
CR1707	68+75.07	24.57'LT	1008.56
CR1708	68+65.07	24.50'LT	1008.85
CR1709	68+65.03	29.50'LT	1008.92
CR1710	68+70.03	29.54'LT	1008.56
CR1711	68+69.84	34.54'LT	1008.84
CR1712	68+74.84	34.57'LT	1008.68
CR1713	68+75.03	29.57'LT	1008.49
CR1714	68+78.90	29.60'LT	1008.23
CR1715	68+80.75	29.61'LT	1008.20
CR1716	68+81.73	29.42'LT	1008.19
CR1717	68+78.93	24.60'LT	1008.29
CR1718	68+79.81	24.12'LT	1008.28



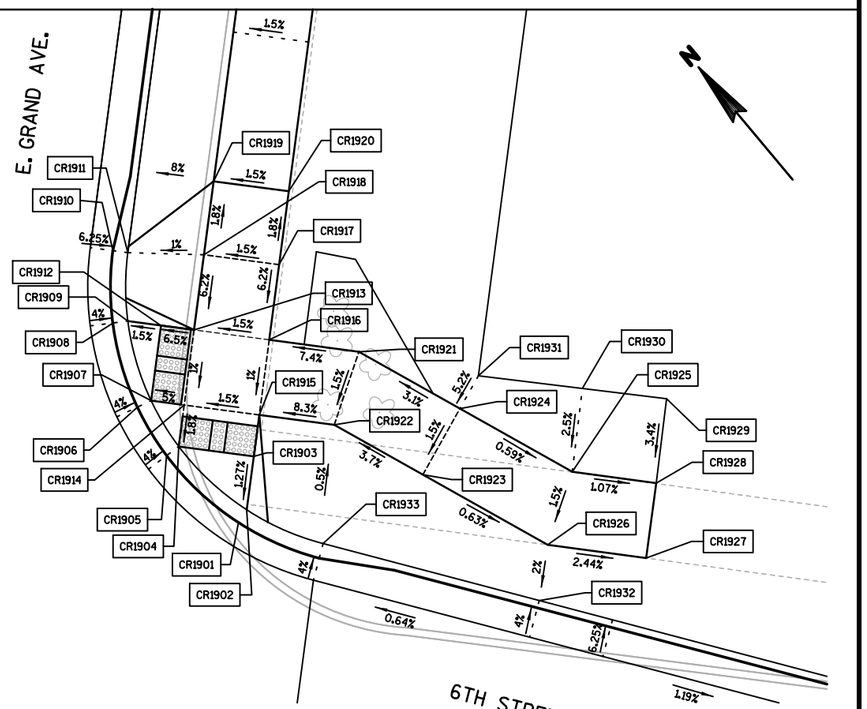
CR-17

CR-18 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1801	69+13.74	28.58'LT	1008.21
CR1802	69+14.71	28.85'LT	1008.22
CR1803	69+16.92	28.87'LT	1008.26
CR1804	69+16.97	23.87'LT	1008.25
CR1805	69+16.14	23.32'LT	1008.24
CR1806	69+17.30	21.75'LT	1008.26
CR1807	69+18.07	22.38'LT	1008.43
CR1808	69+19.32	23.89'LT	1008.35
CR1809	69+19.27	28.89'LT	1008.42
CR1810	69+19.22	33.89'LT	1008.77
CR1811	69+19.54	38.90'LT	1008.88
CR1812	69+24.45	38.94'LT	1009.08
CR1813	69+24.22	33.94'LT	1008.84
CR1814	69+24.27	28.94'LT	1008.49
CR1815	69+24.32	23.94'LT	1008.42
CR1816	69+22.87	18.33'LT	1008.40
CR1817	69+24.38	17.56'LT	1008.23
CR1818	69+23.97	16.65'LT	1008.22
CR1819	69+29.27	15.16'LT	1008.18
CR1820	69+29.39	16.15'LT	1008.19
CR1821	69+29.38	17.61'LT	1008.21
CR1822	69+29.32	23.99'LT	1008.49
CR1823	69+29.27	28.99'LT	1008.59
CR1824	69+39.55	29.00'LT	1008.93
CR1825	69+39.55	24.00'LT	1008.89
CR1826	69+39.55	16.00'LT	1008.54



CR-18

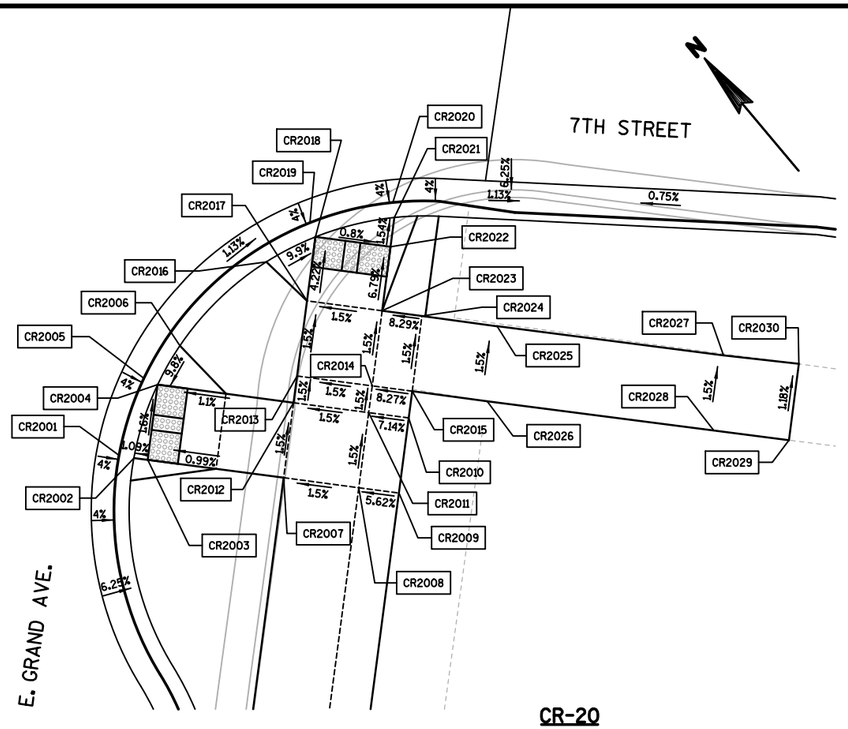
CR-19 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR1901	69+18.22	28.69'RT	1008.28
CR1902	69+19.12	29.11'RT	1008.29
CR1903	69+22.69	29.08'RT	1008.34
CR1904	69+22.64	24.08'RT	1008.25
CR1905	69+21.93	23.37'RT	1008.24
CR1906	69+24.83	21.01'RT	1008.21
CR1907	69+25.38	21.85'RT	1008.22
CR1908	69+30.09	18.63'RT	1008.17
CR1909	69+30.36	19.59'RT	1008.18
CR1910	69+34.66	18.00'RT	1008.11
CR1911	69+34.67	19.00'RT	1008.61
CR1912	69+30.38	21.80'RT	1008.21
CR1913	69+30.40	24.01'RT	1008.35
CR1914	69+25.40	24.05'RT	1008.30
CR1915	69+25.45	29.05'RT	1008.37
CR1916	69+30.45	29.00'RT	1008.42
CR1917	69+35.17	29.00'RT	1008.73
CR1918	69+35.17	24.00'RT	1008.66
CR1919	69+40.06	24.00'RT	1008.57
CR1920	69+40.06	29.00'RT	1008.65
CR1921	69+30.49	34.97'RT	1008.86
CR1922	69+25.49	34.05'RT	1008.78
CR1923	69+23.06	40.29'RT	1009.03
CR1924	69+27.72	42.11'RT	1009.10
CR1925	69+24.63	50.03'RT	1009.05
CR1926	69+19.62	49.11'RT	1008.97
CR1927	69+19.67	55.66'RT	1008.81
CR1928	69+24.66	55.63'RT	1008.99
CR1929	69+30.27	55.52'RT	1009.18
CR1930	69+30.16	49.93'RT	1009.19
CR1931	69+30.03	43.01'RT	1009.23
CR1932	69+15.90	49.07'RT	1008.90
CR1933	69+17.63	34.42'RT	1008.83



CR-19

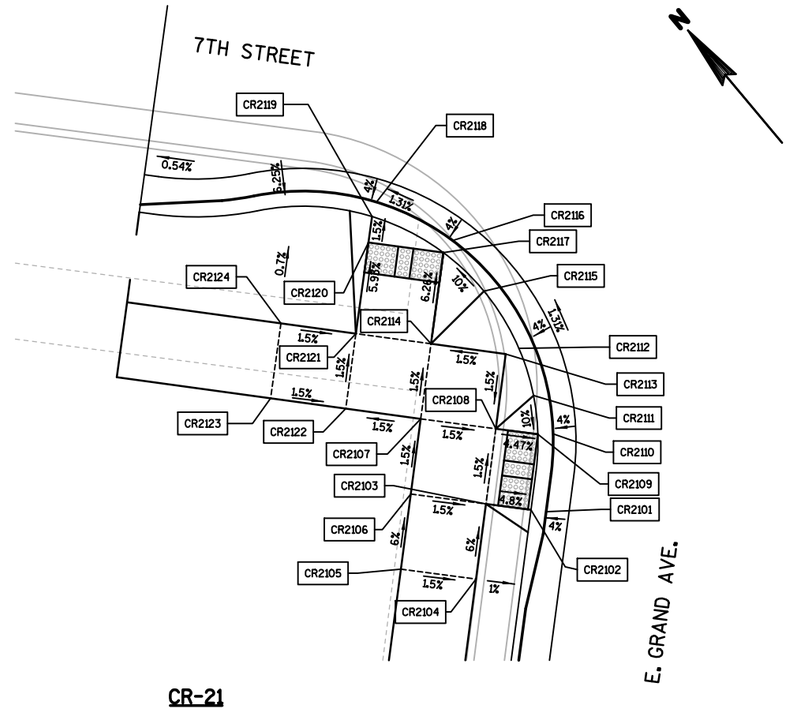
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 23	E

CR-20 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR2001	71+65.17	13.03'RT	1008.31
CR2002	71+65.12	14.03'RT	1008.32
CR2003	71+65.12	14.94'RT	1008.33
CR2004	71+70.26	14.94'RT	1008.25
CR2005	71+70.56	13.98'RT	1008.24
CR2006	71+73.02	16.04'RT	1008.54
CR2007	71+65.12	24.00'RT	1008.42
CR2008	71+65.12	29.00'RT	1008.49
CR2009	71+65.12	31.67'RT	1008.64
CR2010	71+70.41	31.66'RT	1008.61
CR2011	71+70.39	28.99'RT	1008.42
CR2012	71+70.34	24.00'RT	1008.35
CR2013	71+72.12	23.98'RT	1008.32
CR2014	71+72.16	28.98'RT	1008.39
CR2015	71+72.19	31.64'RT	1008.61
CR2016	71+79.29	20.91'RT	1008.43
CR2017	71+77.12	23.93'RT	1008.25
CR2018	71+81.39	23.89'RT	1008.07
CR2019	71+82.25	23.40'RT	1008.06
CR2020	71+84.35	28.64'RT	1007.99
CR2021	71+83.38	28.88'RT	1008.00
CR2022	71+81.43	28.89'RT	1008.03
CR2023	71+77.16	28.93'RT	1008.32
CR2024	71+77.19	31.59'RT	1008.54
CR2025	71+77.22	36.58'RT	1008.44
CR2026	71+72.22	36.63'RT	1008.51
CR2027	71+77.41	51.66'RT	1008.59
CR2028	71+72.40	51.72'RT	1008.66
CR2029	71+72.47	56.72'RT	1008.71
CR2030	71+77.54	56.66'RT	1008.65



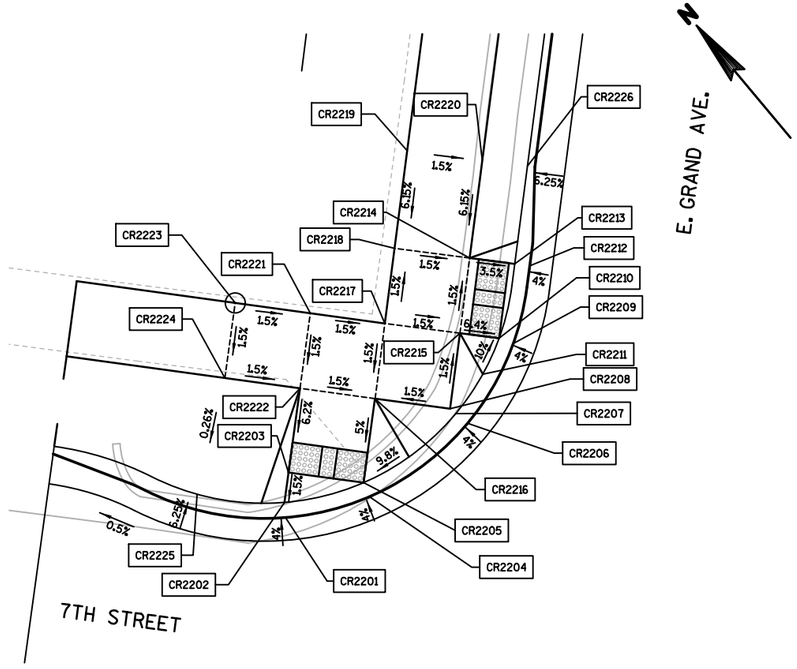
CR-20

CR-21 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR2101	71+65.12	20.00'LT	1008.32
CR2102	71+65.12	21.00'LT	1008.37
CR2103	71+65.12	24.00'LT	1008.51
CR2104	71+60.12	24.00'LT	1008.81
CR2105	71+60.12	29.00'LT	1008.88
CR2106	71+65.12	29.00'LT	1008.58
CR2107	71+69.86	29.00'LT	1008.51
CR2108	71+69.90	24.00'LT	1008.44
CR2109	71+69.93	21.20'LT	1008.31
CR2110	71+70.10	20.22'LT	1008.27
CR2111	71+72.42	21.84'LT	1008.57
CR2112	71+75.37	23.23'LT	1008.51
CR2113	71+74.88	24.05'LT	1008.51
CR2114	71+74.86	29.03'LT	1008.44
CR2115	71+78.79	26.04'LT	1008.42
CR2116	71+81.81	28.57'LT	1008.05
CR2117	71+80.93	29.05'LT	1008.06
CR2118	71+83.62	33.91'LT	1007.97
CR2119	71+82.64	34.06'LT	1007.98
CR2120	71+80.91	34.05'LT	1008.01
CR2121	71+74.84	34.03'LT	1008.37
CR2122	71+69.84	34.01'LT	1008.44
CR2123	71+69.81	39.01'LT	1088.51
CR2124	71+74.81	39.03'LT	1008.44



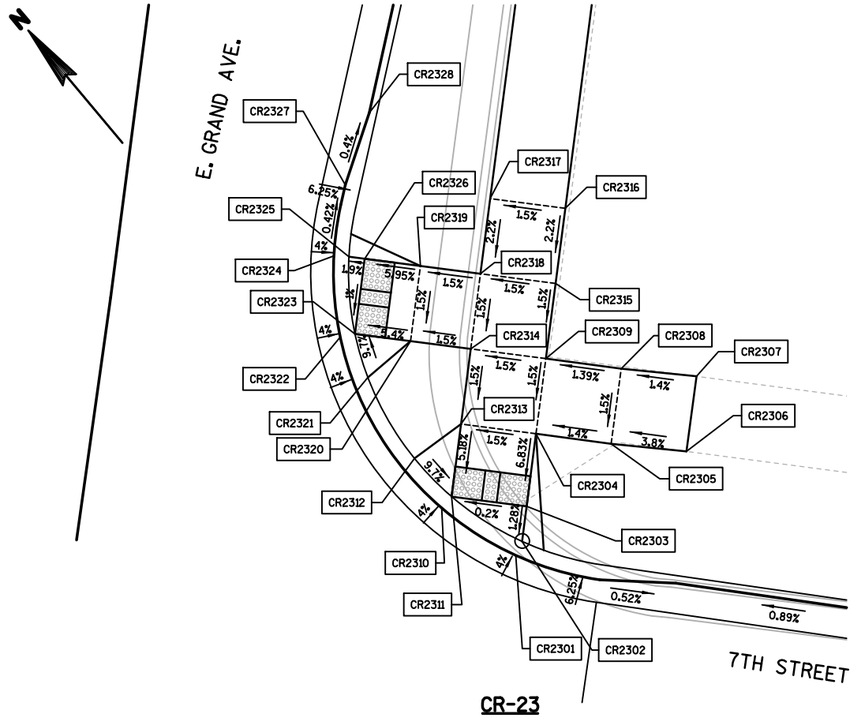
CR-21

CR-22 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR2201	72+15.25	33.68'LT	1007.95
CR2202	72+16.22	33.90'LT	1007.96
CR2203	72+18.23	33.91'LT	1007.99
CR2204	72+17.40	28.39'LT	1007.98
CR2205	72+18.25	28.91'LT	1007.99
CR2206	72+23.09	22.66'LT	1008.01
CR2207	72+23.62	23.51'LT	1008.34
CR2208	72+23.88	23.93'LT	1008.34
CR2209	72+28.74	20.40'LT	1008.04
CR2210	72+28.94	21.38'LT	1008.10
CR2211	72+26.44	22.12'LT	1008.36
CR2212	72+34.19	20.00'LT	1008.06
CR2213	72+34.19	21.00'LT	1008.10
CR2214	72+34.19	24.00'LT	1008.20
CR2215	72+28.91	23.99'LT	1008.27
CR2216	72+23.86	28.94'LT	1008.27
CR2217	72+28.86	28.99'LT	1008.34
CR2218	72+34.19	29.00'LT	1008.27
CR2219	72+40.69	29.00'LT	1008.67
CR2220	72+40.69	24.00'LT	1008.60
CR2221	72+28.84	33.96'LT	1008.41
CR2222	72+23.84	33.94'LT	1008.34
CR2223	72+28.81	38.96'LT	1008.48
CR2224	72+23.81	38.94'LT	1008.41
CR2225	72+15.96	39.69'LT	1008.39
CR2226	72+40.69	21.00'LT	1008.49



CR-22

CR-23 POINTS			
POINT NO.	E. GRAND AVE. STATION	OFFSET	ELEV.
CR2301	72+16.78	28.86'RT	1007.92
CR2302	72+17.74	29.14'RT	1007.93
CR2303	72+20.08	29.11'RT	1007.97
CR2304	72+24.91	29.06'RT	1008.30
CR2305	72+24.95	34.06'RT	1008.37
CR2306	72+25.14	39.06'RT	1008.56
CR2307	72+29.88	39.02'RT	1008.51
CR2308	72+29.88	34.02'RT	1008.44
CR2309	72+29.88	29.00'RT	1008.37
CR2310	72+19.18	23.57'RT	1007.95
CR2311	72+20.03	24.11'RT	1007.97
CR2312	72+22.18	21.34'RT	1008.31
CR2313	72+24.85	24.06'RT	1008.23
CR2314	72+29.85	24.00'RT	1008.30
CR2315	72+34.58	29.00'RT	1008.44
CR2316	72+39.58	29.00'RT	1008.55
CR2317	72+39.58	24.00'RT	1008.48
CR2318	72+34.58	24.00'RT	1008.37
CR2319	72+34.58	20.00'RT	1008.31
CR2320	72+29.81	20.00'RT	1008.24
CR2321	72+27.03	17.55'RT	1008.34
CR2322	72+29.42	15.36'RT	1008.03
CR2323	72+29.77	16.30'RT	1008.05
CR2324	72+34.51	14.25'RT	1008.06
CR2325	72+34.58	15.25'RT	1008.07
CR2326	72+34.58	16.30'RT	1008.09
CR2327	72+39.25	14.40'RT	1008.04
CR2328	72+44.18	15.35'RT	1008.02



CR-23

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONSTRUCTION DETAILS - CURB RAMP DETAILS	SHEET 24	E

REMOVAL LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING CATCH BASINS REQ'D
- (C) REMOVING STORM SEWER 10-INCH REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 18-INCH REQ'D
- (G) REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER
- (EXLP-*) EXISTING LIGHT POLE AND BASE TO BE REMOVED (PAID FOR AS REMOVING UTILITY POLES AND REMOVING CONCRETE BASES)
- (EXPB-*) EXISTING PULL BOX TO BE REMOVED (PAID FOR AS REMOVING PULL BOXES)
- (EXSB-*) EXISTING SIGNAL BASE TO BE REMOVED (PAID FOR AS REMOVING CONCRETE BASES)
- (EXSP-*) EXISTING STUB POLE BASE TO BE REMOVED (PAID FOR AS REMOVING CONCRETE BASES)
- (EXCB-*) EXISTING CONCRETE BASE TO BE REMOVED

3RD STREET

4TH STREET

REMOVE AND TRANSPORT STUB POLES, 3RD STREET & E. GRAND AVENUE REQ'D

CHARTER COMMUNICATIONS (COMMUNICATIONS)

SOLARUS (COMMUNICATIONS)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

E. GRAND AVE.

52+00 +50 53+00 +50 54+00 +50 55+00 +50 56+00 +50 57+00

MATCHLINE STA. 57+00

BEGIN PROJECT STA. 51+05.00

BEGIN STORM SEWER REMOVAL (STA. 51+05)

WE ENERGIES (GAS)

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

EXLP-1 EXLP-2 EXLP-3 EXLP-4 EXLP-5 EXLP-6 EXLP-7 EXLP-8 EXLP-9

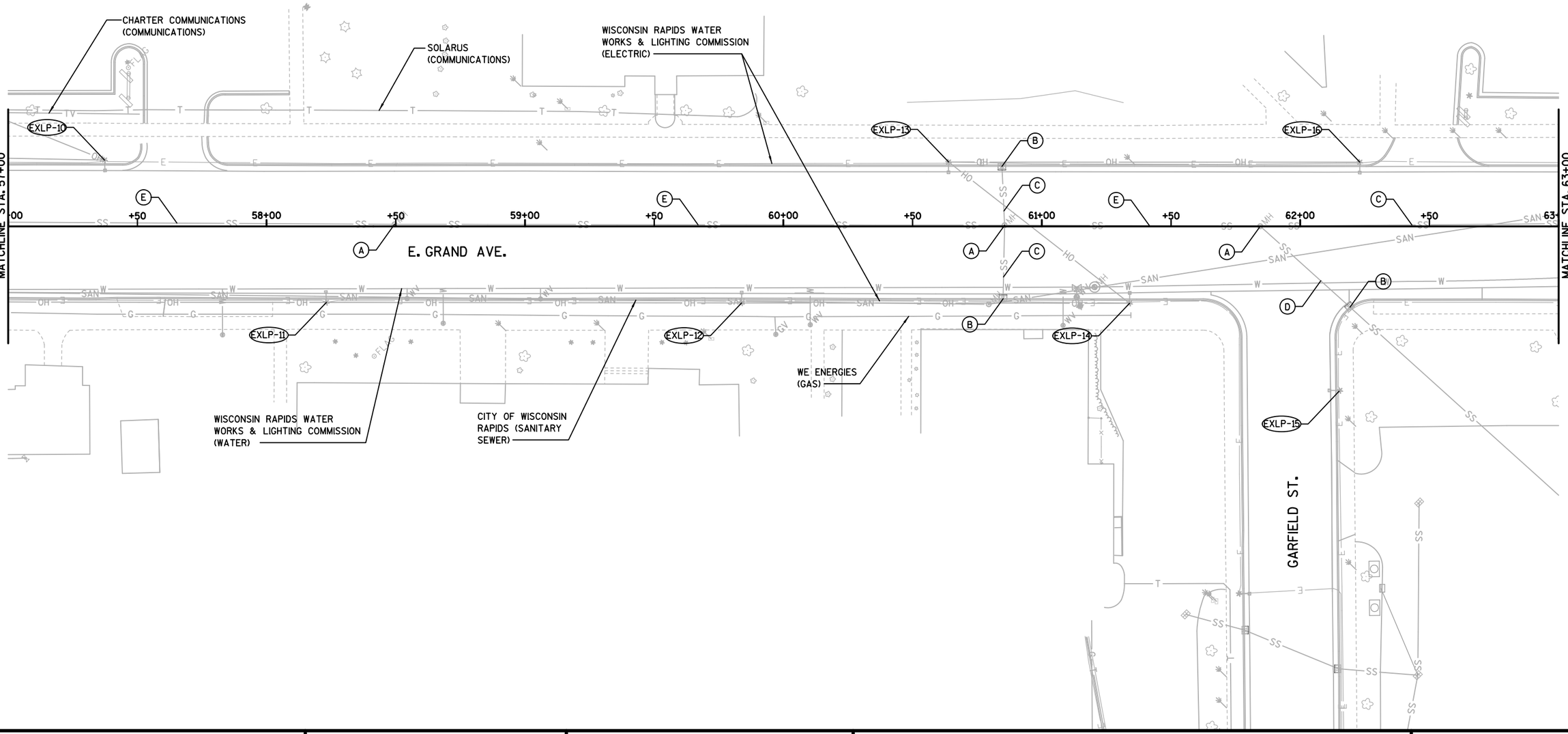
EXPB-1 EXPB-2 EXPB-3

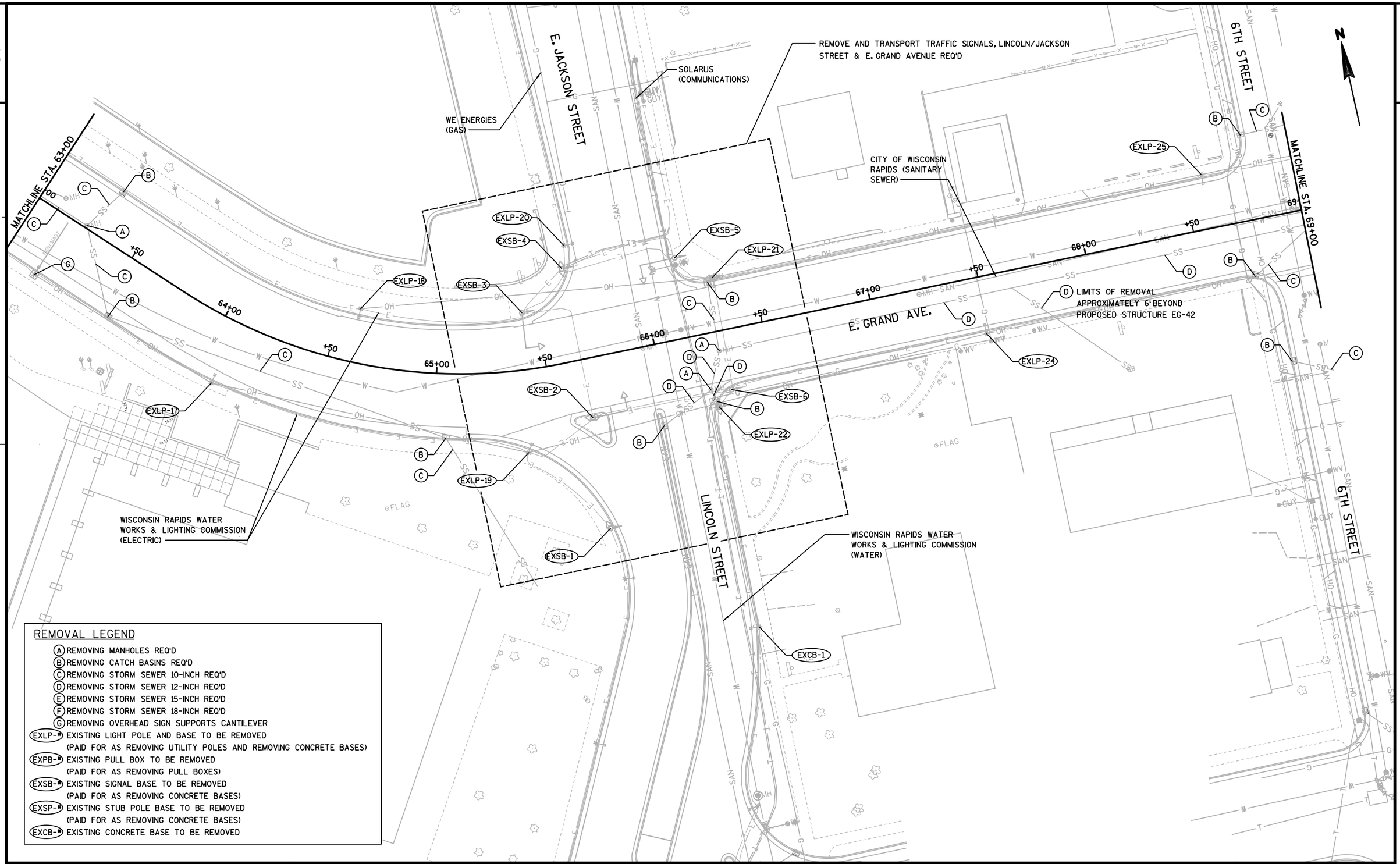
EXSP-1 EXSP-2 EXSP-3 EXSP-4 EXSP-5 EXSP-6 EXSP-7 EXSP-8 EXSP-9

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	REMOVALS	SHEET 25	E

REMOVAL LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING CATCH BASINS REQ'D
- (C) REMOVING STORM SEWER 10-INCH REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 18-INCH REQ'D
- (G) REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER
- (EXLP-#) EXISTING LIGHT POLE AND BASE TO BE REMOVED
  (PAID FOR AS REMOVING UTILITY POLES AND REMOVING CONCRETE BASES)
- (EXPB-#) EXISTING PULL BOX TO BE REMOVED
  (PAID FOR AS REMOVING PULL BOXES)
- (EXSB-#) EXISTING SIGNAL BASE TO BE REMOVED
  (PAID FOR AS REMOVING CONCRETE BASES)
- (EXSP-#) EXISTING STUB POLE BASE TO BE REMOVED
  (PAID FOR AS REMOVING CONCRETE BASES)
- (EXCB-#) EXISTING CONCRETE BASE TO BE REMOVED





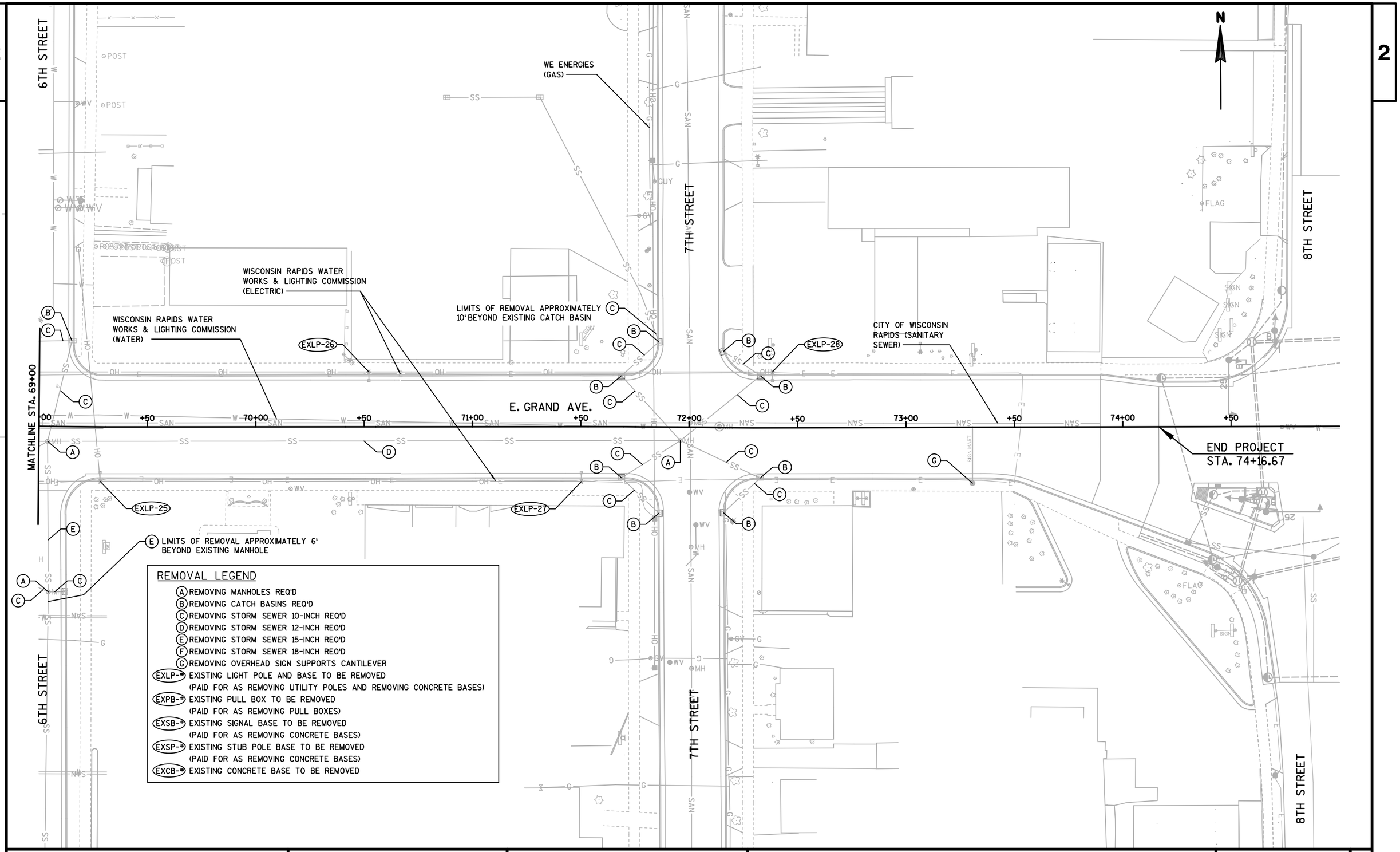
REMOVAL LEGEND

- (A) REMOVING MANHOLES REQ'D
- (B) REMOVING CATCH BASINS REQ'D
- (C) REMOVING STORM SEWER 10-INCH REQ'D
- (D) REMOVING STORM SEWER 12-INCH REQ'D
- (E) REMOVING STORM SEWER 15-INCH REQ'D
- (F) REMOVING STORM SEWER 18-INCH REQ'D
- (G) REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER
- (EXLP-*) EXISTING LIGHT POLE AND BASE TO BE REMOVED (PAID FOR AS REMOVING UTILITY POLES AND REMOVING CONCRETE BASES)
- (EXPB-*) EXISTING PULL BOX TO BE REMOVED (PAID FOR AS REMOVING PULL BOXES)
- (EXSB-*) EXISTING SIGNAL BASE TO BE REMOVED (PAID FOR AS REMOVING CONCRETE BASES)
- (EXSP-*) EXISTING STUB POLE BASE TO BE REMOVED (PAID FOR AS REMOVING CONCRETE BASES)
- (EXCB-*) EXISTING CONCRETE BASE TO BE REMOVED

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	REMOVALS	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021012_cd_Removals.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	REMOVALS	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021013_cd_Removals.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		CURB RAMP, TYPE X
CONC-9	CONCRETE PAVEMENT 9-INCH (DOWELED)	→	TRAFFIC FLOW
CD-6	CONCRETE DRIVEWAY 6-INCH	■	PROPOSED STORM SEWER CATCH BASIN
	STAMPING COLORED CONCRETE (4-INCH)	●	PROPOSED STORM SEWER MANHOLE
CS-4	CONCRETE SIDEWALK 4-INCH		CURB RAMP DETECTABLE WARNING FIELD
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	XXXXX	SAWING CONCRETE
CG-30D(I)	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	//////	SAWING ASPHALT
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	------	SLOPE INTERCEPT
CG-30RA	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE A		COLORED CONCRETE CROSSWALK (SEE DETAIL)
CG-30RD	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE D		REVERSE SLOPE GUTTER
		C-PD	CONCRETE CURB PEDESTRIAN

ASPH-HMA HMA PAVEMENT - SEE TYPICAL SECTION FOR LAYER MIX AND THICKNESS

3RD STREET

4TH STREET

E. GRAND AVE.

CENTERLINE LOCATION

EXISTING CURB TO REMAIN

EXISTING RETAINING WALL TO REMAIN

PROTECTION OF PRIVATE SPRINKLER SYSTEMS REQ'D

SALVAGE AND REPLACE LANDSCAPING STONE REQ'D

REVERSE SLOPE GUTTER REQ'D

CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE A SPECIAL REQ'D

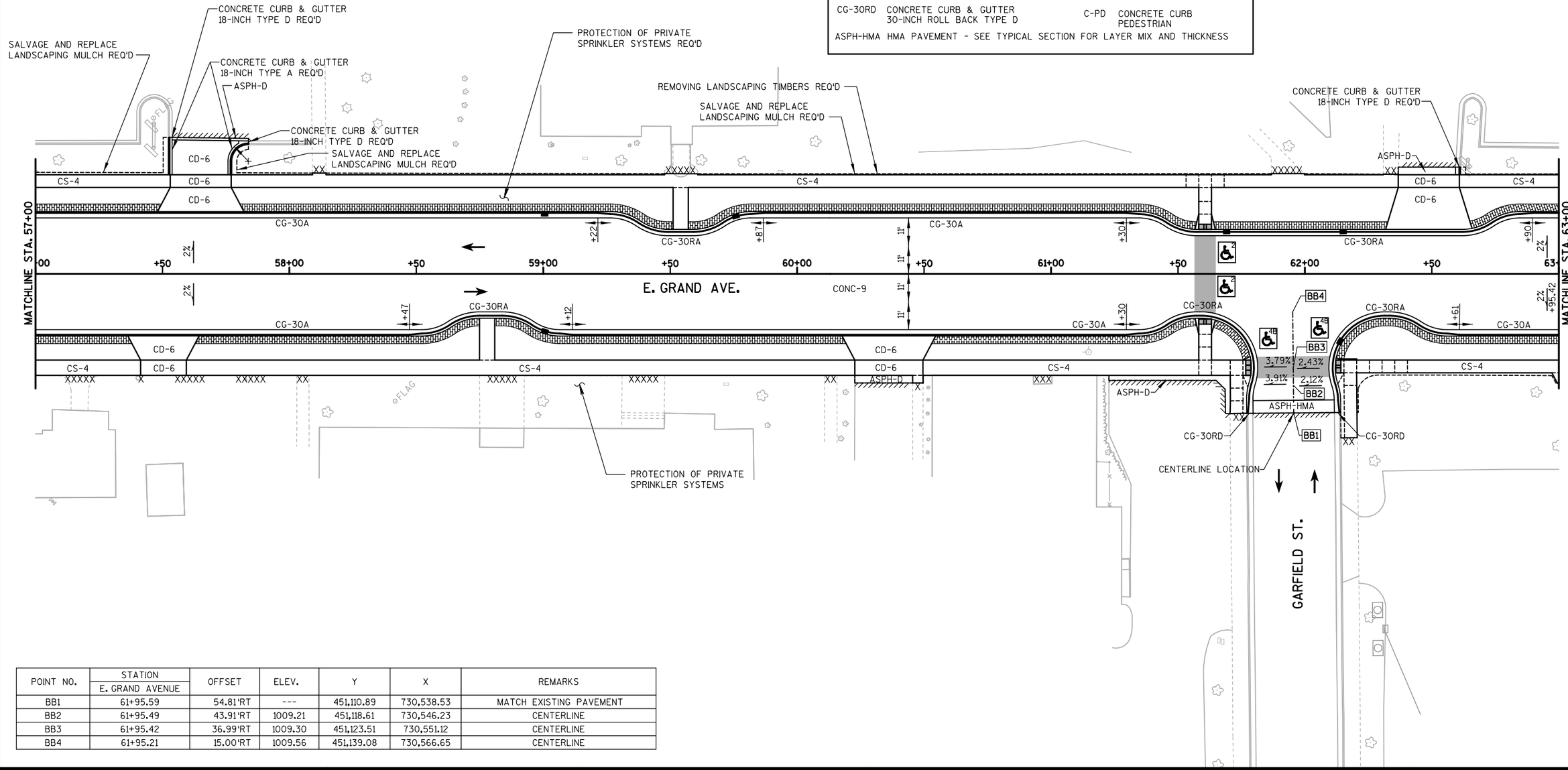
MATCHLINE STA. 57+00

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN DETAIL	SHEET 29	E

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
AA1	53+07.03	91.26'RT	---	451,703.88	729,899.38	MATCH EXISTING PAVEMENT
AA2	53+12.55	71.81'RT	1004.31	451,717.37	729,914.02	CENTERLINE
AA3	53+17.86	45.06'RT	1003.87	451,736.43	729,933.30	CENTERLINE
AA4	53+18.57	41.08'RT	1003.85	451,739.26	729,936.16	CENTERLINE
AA5	53+19.87	33.53'RT	1003.80	451,744.63	729,941.59	CENTERLINE
AA6	53+22.81	15.00'RT	1003.69	451,757.79	729,954.92	CENTERLINE
AA7	53+22.94	15.00'LT	1003.70	451,781.61	729,973.16	CENTERLINE
AA8	53+24.88	29.00'LT	1003.49	451,791.49	729,983.30	CENTERLINE
AA9	53+26.40	40.76'LT	1003.31	451,799.77	729,991.81	CENTERLINE
AA10	53+29.18	64.14'LT	---	451,816.23	730,008.72	MATCH EXISTING PAVEMENT
AA11	53+37.86	42.23'RT	1004.41	451,727.87	729,948.83	CURB AND GUTTER TYPE TRANSITION
AA12	56+17.17	68.14'RT	---	451,513.91	730,123.41	MATCH EXISTING PAVEMENT
AA13	56+17.02	49.37'RT	1006.21	451,527.18	730,136.69	CENTERLINE
AA14	56+16.92	36.73'RT	1006.11	451,536.11	730,145.63	CENTERLINE
AA15	56+16.75	15.00'RT	1005.94	451,551.47	730,161.00	CENTERLINE
AA16	56+03.99	45.49'RT	1005.96	451,539.18	730,130.31	CURB AND GUTTER TYPE TRANSITION
AA17	56+29.98	44.02'RT	1005.90	451,521.69	730,149.59	CURB AND GUTTER TYPE TRANSITION
AA18	56+10.68	15.00'LT	1005.91	451,576.83	730,178.13	CENTERLINE
AA19	56+10.61	37.02'LT	1006.02	451,592.32	730,193.78	CENTERLINE
AA20	56+10.89	45.12'LT	1006.06	451,597.80	730,199.75	CENTERLINE
AA21	56+10.93	46.22'LT	1006.06	451,598.54	730,200.56	CENTERLINE
AA22	56+11.23	54.75'LT	---	451,604.32	730,206.85	MATCH EXISTING PAVEMENT

LEGEND

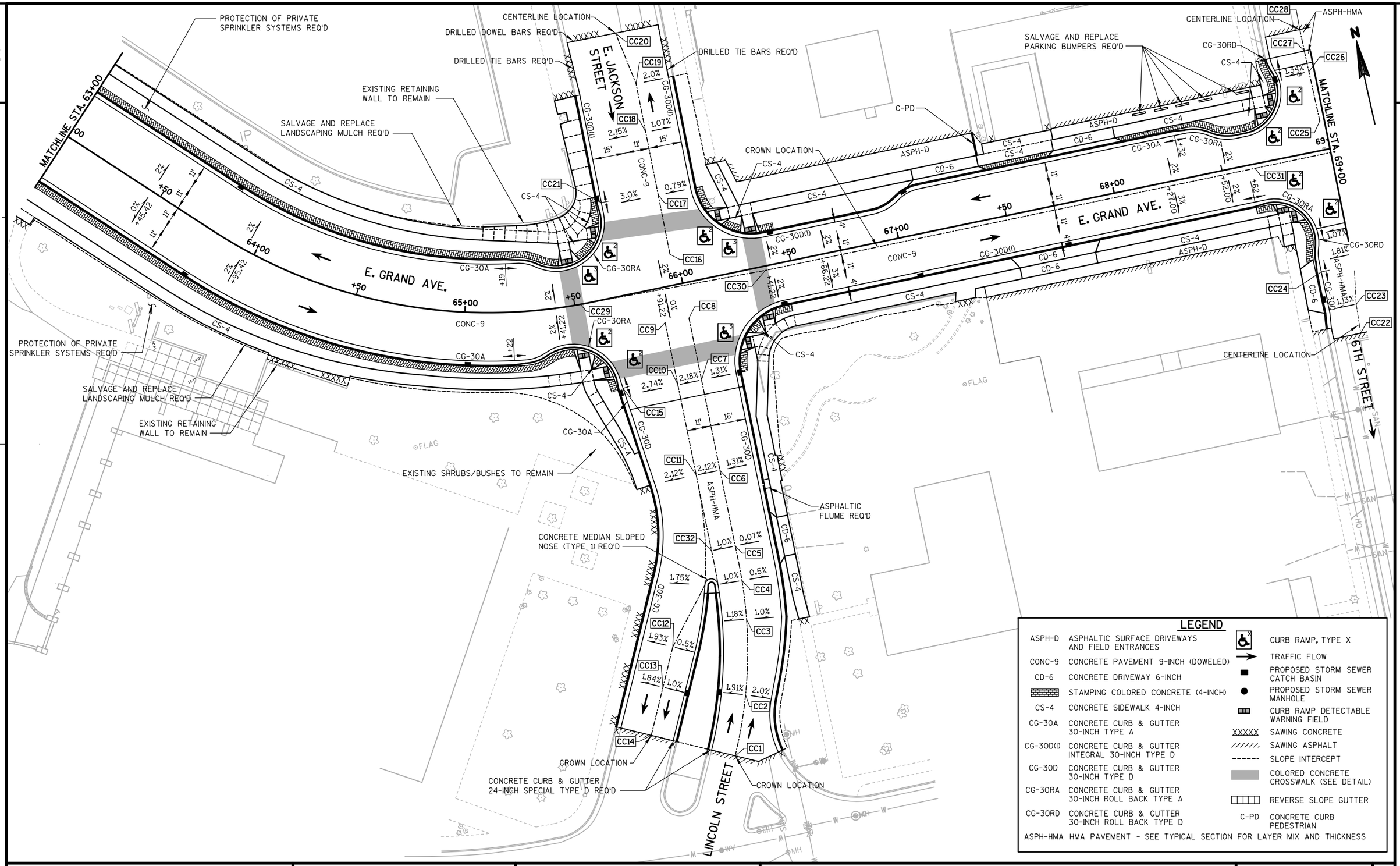
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		CURB RAMP, TYPE X
CONC-9	CONCRETE PAVEMENT 9-INCH (DOWELED)		TRAFFIC FLOW
CD-6	CONCRETE DRIVEWAY 6-INCH		PROPOSED STORM SEWER CATCH BASIN
	STAMPING COLORED CONCRETE (4-INCH)		PROPOSED STORM SEWER MANHOLE
CS-4	CONCRETE SIDEWALK 4-INCH		CURB RAMP DETECTABLE WARNING FIELD
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	XXXXX	SAWING CONCRETE
CG-30D(I)	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	//////	SAWING ASPHALT
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	------	SLOPE INTERCEPT
CG-30RA	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE A		COLORED CONCRETE CROSSWALK (SEE DETAIL)
CG-30RD	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE D		REVERSE SLOPE GUTTER
		C-PD	CONCRETE CURB PEDESTRIAN
ASPH-HMA	HMA PAVEMENT - SEE TYPICAL SECTION FOR LAYER MIX AND THICKNESS		



POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
BB1	61+95.59	54.81'RT	---	451,110.89	730,538.53	MATCH EXISTING PAVEMENT
BB2	61+95.49	43.91'RT	1009.21	451,118.61	730,546.23	CENTERLINE
BB3	61+95.42	36.99'RT	1009.30	451,123.51	730,551.12	CENTERLINE
BB4	61+95.21	15.00'RT	1009.56	451,139.08	730,566.65	CENTERLINE

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN DETAIL	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021202_pd.dgn PLOT DATE : 7/26/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		CURB RAMP, TYPE X
CONC-9	CONCRETE PAVEMENT 9-INCH (DOWELED)	→	TRAFFIC FLOW
CD-6	CONCRETE DRIVEWAY 6-INCH	■	PROPOSED STORM SEWER CATCH BASIN
	STAMPING COLORED CONCRETE (4-INCH)	●	PROPOSED STORM SEWER MANHOLE
CS-4	CONCRETE SIDEWALK 4-INCH		CURB RAMP DETECTABLE WARNING FIELD
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	XXXXX	SAWING CONCRETE
CG-30D(I)	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D	//////	SAWING ASPHALT
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D	------	SLOPE INTERCEPT
CG-30RA	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE A		COLORED CONCRETE CROSSWALK (SEE DETAIL)
CG-30RD	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE D		REVERSE SLOPE GUTTER
		C-PD	CONCRETE CURB PEDESTRIAN
ASPH-HMA	HMA PAVEMENT - SEE TYPICAL SECTION FOR LAYER MIX AND THICKNESS		

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN DETAIL	SHEET 32	E

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
CC1	65+79.56	214.78'RT	---	450,736.12	730,886.26	MATCH EXISTING PAVEMENT
CC2	65+89.84	188.62'RT	1027.80	450,761.32	730,896.43	CROWN; LANE EDGE
CC3	65+97.25	155.17'RT	1027.87	450,794.68	730,904.24	CROWN; LANE EDGE
CC4	65+98.81	137.54'RT	1027.93	450,812.29	730,906.01	CROWN; LANE EDGE
CC5	65+99.04	121.58'RT	1027.75	450,828.24	730,906.43	LANE EDGE
CC6	65+99.21	86.54'RT	1027.18	450,863.28	730,907.02	LANE EDGE
CC7	65+99.42	44.77'RT	1026.73	450,905.05	730,907.72	LANE EDGE
CC8	65+99.57	16.07'RT	1026.51	450,933.74	730,908.21	LANE EDGE
CC9	65+88.57	15.81'RT	1026.27	450,934.13	730,897.21	CENTERLINE
CC10	65+88.42	44.71'RT	1026.49	450,905.23	730,896.72	CENTERLINE
CC11	65+88.21	86.48'RT	1026.95	450,863.47	730,896.02	CENTERLINE
CC12	65+61.92	160.59'RT	1027.91	450,789.67	730,868.85	CROWN
CC13	65+55.74	177.65'RT	1027.88	450,772.74	730,860.54	CROWN
CC14	65+50.67	198.15'RT	---	450,752.56	730,850.64	MATCH EXISTING PAVEMENT
CC15	65+63.77	41.17'RT	1025.77	450,909.07	730,872.11	CURB AND GUTTER TYPE TRANSITION
CC16	65+97.06	14.00'LT	1026.18	450,963.83	730,906.05	CENTERLINE
CC17	65+97.30	41.38'LT	1026.37	450,991.21	730,906.62	CENTERLINE
CC18	65+97.55	70.50'LT	1026.52	451,020.32	730,907.22	CENTERLINE
CC19	65+97.75	92.88'LT	1026.28	451,042.71	730,907.68	CENTERLINE
CC20	65+93.32	117.25'LT	---	451,067.13	730,903.55	MATCH EXISTING PAVEMENT
CC21	65+71.31	43.31'LT	1025.61	450,993.45	730,880.66	CURB AND GUTTER TYPE TRANSITION
CC22	68+97.16	84.77'RT	---	450,861.30	731,204.36	MATCH EXISTING PAVEMENT
CC23	68+97.71	71.48'RT	1028.36	450,874.57	731,205.17	CROWN
CC24	68+85.15	54.01'RT	1028.29	450,892.28	731,192.93	CURB AND GUTTER TYPE TRANSITION
CC25	68+97.93	13.25'LT	1028.47	450,959.29	731,206.99	CENTERLINE
CC26	68+97.52	36.14'LT	1028.35	450,982.18	731,207.02	CENTERLINE
CC27	68+97.35	45.76'LT	1028.51	450,991.80	731,207.03	CENTERLINE
CC28	68+97.27	55.76'LT	---	451,001.80	731,207.13	MATCH EXISTING PAVEMENT
CC29	65+52.65	0.00'RT	1024.98	450,950.43	730,861.49	CROWN
CC30	66+37.95	2.00'RT	1027.36	450,947.35	730,946.75	CROWN
CC31	68+64.85	2.00'RT	1028.92	450,944.66	731,173.64	CROWN
CC32	65+88.04	121.53'RT	1027.64	450,828.43	730,895.43	CENTERLINE

2

** 7TH STREET TO BE RECONSTRUCTED BY OTHERS

N

6TH STREET

7TH STREET

8TH STREET

E. GRAND AVE.

MATCHLINE STA. 69+00

SALVAGE AND REPLACE LANDSCAPING STONE REQ'D

SALVAGE AND REPLACE LANDSCAPING STONE REQ'D

CENTERLINE LOCATION

CROWN LOCATION

ASPH-HMA

CG-30RD

CS-4

CD-6

CG-30RA

CG-30D(I)

CG-30A

CG-30D

CONC-9

ASPH-D

0.93%

0.86%

1.0%

1.06%

1.15%

0.99%

1.32%

1.09%

DD1 DD2 DD3 DD4 DD5 DD6 DD7 DD8 DD9 DD10 DD11 DD12 DD13 DD14 DD15 DD16 DD17 DD18 DD19 DD20 DD21

+37 +40 +59 +41 +77 +15 +34 +44 +88.67 +16.67

70+00 71+00 72+00 73+00 74+00

DRILLED DOWEL BARS REQ'D

REMOVING TIMBER PLANTER REQ'D

SALVAGE AND REPLACE LANDSCAPING MULCH REQ'D

CENTERLINE LOCATION

ASPH-HMA

LEGEND

ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		CURB RAMP, TYPE X
CONC-9	CONCRETE PAVEMENT 9-INCH (DOWELED)		TRAFFIC FLOW
CD-6	CONCRETE DRIVEWAY 6-INCH		PROPOSED STORM SEWER CATCH BASIN
	STAMPING COLORED CONCRETE (4-INCH)		PROPOSED STORM SEWER MANHOLE
CS-4	CONCRETE SIDEWALK 4-INCH		CURB RAMP DETECTABLE WARNING FIELD
CG-30A	CONCRETE CURB & GUTTER 30-INCH TYPE A	XXXXX	SAWING CONCRETE
CG-30D(I)	CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D		SAWING ASPHALT
CG-30D	CONCRETE CURB & GUTTER 30-INCH TYPE D		SLOPE INTERCEPT
CG-30RA	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE A		COLORED CONCRETE CROSSWALK (SEE DETAIL)
CG-30RD	CONCRETE CURB & GUTTER 30-INCH ROLL BACK TYPE D		REVERSE SLOPE GUTTER
		C-PD	CONCRETE CURB PEDESTRIAN

ASPH-HMA HMA PAVEMENT - SEE TYPICAL SECTION FOR LAYER MIX AND THICKNESS

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN DETAIL	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021204_pd.dgn PLOT DATE : 7/26/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
DD1	69+01.11	48.88'RT	1028.61	450,897.11	731,208.99	CROWN
DD2	69+01.01	36.71'RT	1028.55	450,909.27	731,209.12	CROWN
DD3	69+00.99	34.24'RT	1028.54	450,911.75	731,209.15	CROWN
DD4	69+00.85	16.73'RT	1028.45	450,929.26	731,209.34	CROWN
DD5	69+14.56	39.09'RT	1028.42	450,906.64	731,222.62	CURB AND GUTTER TYPE TRANSITION
DD6	72+01.67	68.41'RT	---	450,874.18	731,509.19	MATCH EXISTING PAVEMENT
DD7	72+01.51	56.34'RT	1028.22	450,886.26	731,509.25	CROWN
DD8	72+01.28	39.24'RT	1028.06	450,903.35	731,509.34	CROWN
DD9	72+00.92	11.82'RT	1028.20	450,930.78	731,509.48	CENTERLINE
DD10	72+14.44	39.56'RT	1027.93	450,902.79	731,522.49	CURB AND GUTTER TYPE TRANSITION
DD11	71+86.81	36.51'RT	1027.95	450,906.35	731,494.92	CURB AND GUTTER TYPE TRANSITION
DD12	71+99.40	18.50'LT	1028.20	450,961.12	731,508.53	CENTERLINE
DD13	71+99.32	36.62'LT	1028.12	450,979.23	731,508.79	CROWN
DD14	71+99.27	49.39'LT	1028.25	450,992.00	731,508.97	CROWN
DD15	69+31.90	1.50'RT	1028.52	450,943.90	731,240.68	CROWN
DD16	69+50.37	1.50'RT	1028.41	450,943.73	731,259.16	CROWN
DD17	70+50.37	3.50'LT	1028.60	450,947.79	731,359.20	CROWN
DD18	71+69.65	3.50'LT	1028.66	450,946.67	731,478.48	CROWN
DD19	72+31.77	2.85'LT	1028.44	450,944.89	731,540.57	CROWN
DD20	73+01.36	3.50'RT	1028.65	450,938.03	731,610.11	CROWN
DD21	74+16.67	3.50'RT	---	450,937.19	731,725.42	CROWN; MATCH EXISTING PAVEMENT

LEGEND

XXX	LAYOUT POINT	XXXXX	SAWING CONCRETE
→	TRAFFIC FLOW	//////	SAWING ASPHALT
■	PROPOSED STORM SEWER CATCH BASIN	------	SLOPE INTERCEPT
●	PROPOSED STORM SEWER MANHOLE	▬	COLORED CONCRETE CROSSWALK (SEE DETAIL)
▮▮	CURB RAMP DETECTABLE WARNING FIELD	▭▭▭	REVERSE SLOPE GUTTER

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII, UNLESS OTHERWISE NOTED.

3RD STREET

4TH STREET

E. GRAND AVE.

SEE DETAIL A FOR ADDITIONAL PLAN DETAIL POINTS

ALTERNATE FLOW LINE REQ'D
SEE CONSTRUCTION DETAILS - CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

MATCHLINE STA. 57+00

DETAIL A

EXISTING CURB TO REMAIN

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LAYOUT DETAIL	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021205_pd.dgn PLOT DATE : 10/10/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
A1	51+05.00	15.00'RT	995.41	451,897.22	729,785.67	MATCH EXISTING PAVEMENT
A2	51+05.00	15.00'LT	995.41	451,917.41	729,807.86	MATCH EXISTING PAVEMENT
A3	51+05.00	25.31'RT	995.52	451,890.28	729,778.04	MATCH EXISTING SIDEWALK
A4	51+05.00	25.00'LT	996.09	451,924.14	729,815.26	MATCH EXISTING SIDEWALK
A5	51+72.78	19.50'RT	996.75	451,843.64	729,829.00	FOS
A6	51+82.45	19.50'LT	997.16	451,865.02	729,863.02	FOS
A7	56+41.10	44.00'LT	---	451,575.48	730,220.13	MATCH EXISTING SIDEWALK
A8	56+73.44	22.00'LT	1006.05	451,537.00	730,227.13	END RADIUS
A9	56+73.44	4.00'LT	---	451,524.38	730,214.30	R = 18'
A10	52+87.77	15.00'LT	1002.13	451,802.21	729,943.07	BEGIN RADIUS
A11	53+07.72	32.18'LT	1002.72	451,805.05	729,970.10	END RADIUS
A12	53+13.47	67.06'LT	---	451,829.77	729,995.57	MATCH EXISTING CURB & GUTTER
A13	53+04.84	69.04'LT	---	451,837.30	729,988.26	MATCH EXISTING SIDEWALK
A14	53+44.69	62.10'LT	---	451,803.00	730,021.55	MATCH EXISTING CURB & GUTTER
A15	53+54.10	61.34'LT	---	451,795.10	730,029.33	MATCH EXISTING SIDEWALK
A16	53+42.63	38.65'LT	1003.87	451,786.73	730,004.50	BEGIN RADIUS
A17	53+73.80	18.73'LT	1004.75	451,749.20	730,015.59	END RADIUS; BEGIN RADIUS
A18	53+62.44	37.00'LT	---	451,770.81	730,019.69	R = 22'
A19	53+84.05	22.00'LT	1004.75	451,744.06	730,025.15	END RADIUS
A20	53+84.05	4.00'LT	---	451,731.51	730,012.24	R = 18'
A21	53+03.77	27.49'LT	---	451,803.60	729,963.92	BOC; CURB RAMP OPENING
A22	53+46.35	28.60'LT	---	451,776.46	730,001.02	BOC; CURB RAMP OPENING
A23	53+55.88	18.83'LT	---	451,762.40	730,002.10	BOC; CURB RAMP OPENING
A24	53+60.59	17.60'LT	---	451,758.12	730,004.88	BOC; CURB RAMP OPENING
A25	54+87.07	39.00'LT	---	451,682.02	730,109.13	BOS
A26	54+91.07	39.00'LT	---	451,679.15	730,111.92	BOS
A27	53+67.66	31.27'LT	1004.61	451,762.71	730,019.82	FOS; BEGIN RADIUS
A28	54+00.44	34.00'LT	1005.20	451,740.66	730,045.18	FOS; END RADIUS
A29	54+00.44	166.00'RT	---	451,601.29	729,901.74	R=200'
A30	54+28.90	39.00'LT	1005.47	451,723.74	730,068.60	BOS
A31	54+28.90	42.27'LT	1005.69	451,726.02	730,070.94	BOS
A32	54+32.04	46.52'LT	---	451,726.72	730,076.17	MATCH EXISTING SIDEWALK
A33	54+35.66	43.84'LT	---	451,722.26	730,076.78	MATCH EXISTING SIDEWALK
A34	54+33.40	40.79'LT	1005.66	451,721.76	730,073.01	FOS
A35	54+33.40	39.00'LT	1005.52	451,720.51	730,071.73	BOS
A36	52+51.28	33.50'RT	1000.74	451,780.59	729,886.36	FOS; BEGIN RADIUS
A37	52+60.40	33.15'RT	1001.43	451,776.02	729,894.26	FOS; END RADIUS
A38	52+55.30	19.05'RT	---	451,790.68	729,897.45	R = 15'
A39	52+73.64	28.37'RT	1002.32	451,773.02	729,908.02	FOS; BEGIN RADIUS
A40	52+83.51	27.41'RT	1002.92	451,768.57	729,916.88	FOS; END RADIUS
A41	52+80.44	47.18'RT	---	451,753.48	729,903.76	R=20'
A42	52+67.16	36.03'RT	1001.75	451,769.99	729,898.45	BOS; BEGIN RADIUS
A43	52+67.23	37.93'RT	1001.70	451,768.34	729,897.49	BOS; END RADIUS
A44	52+67.50	36.97'RT	---	451,769.02	729,898.23	R = 1'
A45	52+71.14	39.02'RT	---	451,765.34	729,900.23	FOS; BEGIN RADIUS
A46	52+79.58	43.16'RT	1002.32	451,757.34	729,905.16	FOS; END RADIUS; BEGIN RADIUS
A47	52+64.31	63.59'RT	---	451,748.18	729,881.36	R = 25.5'
A48	52+81.16	42.52'RT	1002.51	451,757.04	729,906.85	BOS; END RADIUS
A49	52+80.18	42.36'RT	---	451,757.70	729,906.09	R = 1'
A50	52+82.59	33.38'RT	1002.94	451,764.02	729,912.92	BOS; END RADIUS
A51	52+81.68	32.23'RT	1002.91	451,765.48	729,912.76	BOS; END RADIUS; BEGIN RADIUS
A52	52+81.60	33.22'RT	---	451,764.68	729,912.16	R = 1'
A53	52+75.34	33.07'RT	1002.42	451,768.14	729,906.95	BOS; BEGIN RADIUS
A54	52+67.10	44.90'RT	---	451,762.51	729,893.67	BOS; BEGIN RADIUS
A55	52+81.10	55.89'RT	1003.29	451,745.75	729,899.67	BOS; END RADIUS
A56	52+81.12	58.44'RT	1003.45	451,743.58	729,898.33	BOS
A57	52+83.57	66.64'RT	---	451,735.34	729,896.04	MATCH EXISTING SIDEWALK
A58	52+86.97	87.71'RT	---	451,715.70	729,887.70	MATCH EXISTING CURB & GUTTER
A59	52+91.37	68.26'RT	---	451,729.81	729,901.79	MATCH EXISTING CURB & GUTTER
A60	52+89.57	60.12'RT	1003.49	451,737.66	729,904.59	FOS; END RADIUS
A61	52+86.17	50.45'RT	1002.96	451,747.66	729,906.86	FOS; END RADIUS; BEGIN RADIUS
A62	52+85.51	47.11'RT	1002.78	451,750.84	729,908.08	FOS; BEGIN RADIUS
A63	52+90.45	47.88'RT	---	451,747.56	729,911.86	R = 5'
A64	52+93.69	61.48'RT	1003.47	451,734.46	729,907.12	

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
A65	52+96.29	34.37'RT	---	451,756.08	729,923.63	BOC; CURB RAMP OPENING
A66	52+94.59	29.10'RT	---	451,761.36	729,925.18	BOC; CURB RAMP OPENING
A67	51+22.70	25.35'RT	9996.08	451,877.17	729,789.92	BOS
A68	51+22.79	26.35'RT	---	451,876.43	729,789.24	MATCH EXISTING PARKING LOT
A69	51+05.00	26.31'RT	---	451,889.61	729,777.30	MATCH EXISTING PARKING LOT
A70	53+47.82	41.22'RT	1004.92	451,722.95	729,956.16	FOS; END RADIUS
A71	53+41.06	50.01'RT	1004.93	451,720.12	729,945.97	FOS; BEGIN RADIUS
A72	53+63.58	55.91'RT	---	451,702.95	729,956.22	R = 20'
A73	53+35.94	58.29'RT	---	451,716.53	729,937.35	MATCH EXISTING CURB & GUTTER
A74	53+45.42	59.01'RT	---	451,710.90	729,942.92	MATCH EXISTING SIDEWALK
A75	53+61.27	41.04'RT	---	451,715.08	729,965.04	MATCH EXISTING SIDEWALK
A76	51+90.65	30.22'LT	---	451,867.77	729,875.87	MATCH EXISTING PAVEMENT
A77	52+16.13	34.56'LT	---	451,856.34	729,896.42	MATCH EXISTING PAVEMENT
A78	52+99.73	41.29'LT	1003.09	451,817.54	729,967.90	BOS
A79	53+30.63	93.94'RT	---	451,691.39	729,911.72	MATCH EXISTING CURB & GUTTER
A80	53+61.41	37.12'RT	---	451,717.84	729,967.84	MATCH EXISTING SIDEWALK
A81	53+41.20	37.50'RT	---	451,729.61	729,954.14	BOC; CURB RAMP OPENING
A82	53+42.01	32.55'RT	---	451,732.91	729,957.90	BOC; CURB RAMP OPENING
A83	53+53.97	19.40'RT	---	451,735.48	729,974.89	BOC; CURB RAMP OPENING
A84	53+59.33	17.81'RT	---	451,733.20	729,979.69	BOC; CURB RAMP OPENING
A85	52+76.55	15.00'RT	1001.50	451,782.79	729,917.60	BEGIN RADIUS
A86	52+98.77	41.96'RT	1003.15	451,748.52	729,921.35	END RADIUS
A87	52+76.55	37.00'RT	---	451,764.17	729,905.88	R = 22'
A88	53+38.59	35.63'RT	1004.44	451,732.53	729,953.54	BEGIN RADIUS
A89	53+63.10	15.00'RT	1004.70	451,732.77	729,984.23	END RADIUS
A90	53+63.10	37.00'RT	---	451,716.89	729,969.01	R = 22'
A91	53+89.48	34.00'RT	1005.88	451,701.14	729,988.77	FOS
A92	51+77.52	24.30'LT	1007.09	451,871.68	729,862.97	BOS
A98	53+78.21	20.04'RT	1004.91	451,718.95	729,990.93	END RADIUS; BEGIN RADIUS
A99	53+89.48	24.00'RT	1005.04	451,708.11	729,995.94	END RADIUS
A100	53+89.48	6.00'RT	---	451,720.65	730,008.85	R = 18'
A101	55+51.86	34.00'RT	1006.49	451,584.68	730,101.93	FOS
A102	55+51.86	24.00'RT	1005.78	451,591.65	730,109.10	BEGIN RADIUS
A103	55+63.24	19.95'RT	1005.75	451,586.31	730,119.93	END RADIUS; BEGIN RADIUS
A104	55+51.86	6.00'RT	---	451,604.19	730,122.01	R = 18'
A105	55+77.14	37.00'RT	---	451,564.46	730,117.39	R = 22'
A106	55+81.92	15.00'RT	1005.78	451,576.30	730,136.57	BEGIN RADIUS
A107	56+03.92	36.83'RT	1006.01	451,545.31	730,136.44	HP; END RADIUS
A108	55+76.51	17.51'RT	---	451,578.49	730,130.93	BOC; CURB RAMP OPENING
A109	55+81.39	17.50'RT	---	451,574.92	730,134.42	BOC; CURB RAMP OPENING
A110	56+01.19	34.00'RT	---	451,549.24	730,136.54	BOC; CURB RAMP OPENING
A111	56+01.44	39.00'RT	---	451,545.55	730,133.15	BOC; CURB RAMP OPENING
A112	55+95.96	45.33'RT	---	451,545.02	730,124.80	MATCH EXISTING SIDEWALK
A113	55+92.15	45.33'RT	---	451,547.74	730,122.12	MATCH EXISTING SIDEWALK
A114	55+92.15	39.56'RT	---	451,551.79	730,126.24	MATCH EXISTING SIDEWALK
A115	55+46.88	39.82'RT	---	451,584.19	730,094.29	MATCH EXISTING SIDEWALK
A116	55+46.87	36.91'RT	---	451,586.22	730,096.36	MATCH EXISTING SIDEWALK
A117	52+87.77	37.00'LT	---	451,820.83	729,954.78	R = 22'
A118	53+10.68	49.36'LT	1002.44	451,817.23	729,982.66	PAVEMENT TYPE TRANSITION
A119	53+43.14	44.19'LT	1003.67	451,790.58	730,008.53	PAVEMENT TYPE TRANSITION
A120	52+97.56	46.84'RT	1003.23	451,745.00	729,917.79	PAVEMENT TYPE TRANSITION
A121	53+36.69	52.22'RT	1004.58	451,720.82	729,941.69	PAVEMENT TYPE TRANSITION
A122	56+04.05	53.74'RT	1005.96	451,533.35	730,124.48	PAVEMENT TYPE TRANSITION
A123	56+04.17	68.24'RT	---	451,523.11	730,114.22	MATCH EXISTING CURB & GUTTER
A124	56+30.17	68.03'RT	---	451,504.71	730,132.60	MATCH EXISTING CURB & GUTTER
A125	56+30.05	53.54'RT	1005.91	451,514.96	730,142.85	PAVEMENT TYPE TRANSITION
A126	56+36.25	71.36'RT	1006.41	451,498.04	730,134.50	FOS AT DRIVEWAY
A127	56+36.35	80.36'RT	---	451,491.66	730,128.15	MATCH EXISTING SIDEWALK
A128	56+41.28	80.34'RT	---	451,488.16	730,131.62	MATCH EXISTING SIDEWALK

NOTE: PLAN DETAIL POINTS A93-A97 ARE NOT USED.

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
A129	56+50.28	79.51'RT	---	451,482.33	730,138.52	MATCH EXISTING PAVEMENT
A130	56+36.18	46.72'RT	1006.15	451,515.37	730,152.01	FOS AT DRIVEWAY
A131	56+32.44	39.00'RT	---	451,523.45	730,154.89	BOC; CURB RAMP OPENING
A132	56+32.66	34.00'RT	---	451,526.80	730,158.61	BOC; CURB RAMP OPENING
A133	56+46.16	18.37'RT	---	451,528.14	730,179.22	BOC; CURB RAMP OPENING
A134	56+51.16	17.52'RT	---	451,525.18	730,183.33	BOC; CURB RAMP OPENING
A135	56+36.10	44.00'LT	---	451,579.05	730,216.63	MATCH EXISTING SIDEWALK
A136	56+29.93	37.17'RT	1005.93	451,526.53	730,154.43	BEGIN RADIUS
A137	56+64.36	18.85'RT	1006.07	451,514.83	730,191.64	END RADIUS; BEGIN RADIUS
A138	56+51.93	37.00'RT	---	451,510.96	730,169.98	R = 22'
A139	56+74.53	22.00'RT	1006.06	451,505.37	730,196.53	END RADIUS
A140	56+74.53	4.00'RT	---	451,517.99	730,209.36	R = 18'
A141	54+87.07	43.00'LT	---	451,684.80	730,112.00	MATCH EXISTING SIDEWALK
A142	54+91.07	43.00'LT	---	451,681.93	730,114.79	MATCH EXISTING SIDEWALK
A143	55+76.30	17.59'LT	---	451,603.11	730,155.96	BOC; CURB RAMP OPENING
A144	55+81.40	18.76'LT	---	451,600.34	730,160.28	BOC; CURB RAMP OPENING
A145	55+93.87	34.00'LT	---	451,602.14	730,179.89	BOC; CURB RAMP OPENING
A146	55+94.01	39.00'LT	---	451,605.55	730,183.55	BOC; CURB RAMP OPENING
A147	55+81.45	44.00'LT	---	451,618.01	730,178.30	MATCH EXISTING SIDEWALK
A148	55+86.25	44.00'LT	---	451,614.59	730,181.67	MATCH EXISTING SIDEWALK
A149	55+92.87	54.67'LT	---	451,617.35	730,193.92	MATCH EXISTING CURB & GUTTER
A150	55+93.38	49.68'LT	1005.68	451,613.48	730,190.72	PAVEMENT TYPE TRANSITION
A151	55+92.87	53.85'LT	1005.70	451,616.78	730,193.34	END RADIUS
A152	55+94.55	46.33'LT	1005.66	451,610.30	730,189.15	LP; BEING RADIUS; END RADIUS
A153	56+10.87	53.93'LT	---	451,604.00	730,206.01	R = 18'
A154	55+74.38	15.00'LT	1005.75	451,602.67	730,152.77	BEGIN RADIUS
A155	55+74.38	37.00'LT	---	451,618.00	730,168.55	R = 22'
A156	55+58.18	18.85'LT	1005.60	451,616.98	730,144.23	END RADIUS; BEGIN RADIUS
A157	55+70.61	37.00'LT	---	451,620.71	730,165.91	R = 22'
A158	55+48.00	22.00'LT	1005.49	451,626.47	730,139.40	BEGIN RADIUS
A159	55+48.00	4.00'LT	---	451,613.93	730,126.49	R = 18'
A160	56+28.78	54.83'LT	---	451,591.86	730,219.21	MATCH EXISTING CURB & GUTTER
A161	56+28.08	49.83'LT	1005.61	451,588.85	730,215.16	PAVEMENT TYPE TRANSITION
A162	56+26.90	46.77'LT	1005.60	451,587.55	730,212.15	END RADIUS; BEGIN RADIUS
A163	56+10.78	54.77'LT	---	451,604.65	730,206.54	R = 18'
A164	56+46.61	15.00'LT	1006.07	451,551.22	730,203.33	END RADIUS
A165	56+46.61	37.00'LT	---	451,566.65	730,219.01	R = 22'
A166	56+50.84	15.00'LT	1006.09	451,548.21	730,206.29	BEGIN RADIUS
A167	56+63.27	18.85'LT	1006.07	451,542.04	730,217.75	END RADIUS; BEGIN RADIUS
A168	56+50.84	37.00'LT	---	451,563.63	730,221.97	R = 22'
A169	56+27.22	39.00'LT	---	451,581.88	730,206.83	BOC; CURB RAMP OPENING
A170	56+27.34	34.00'LT	---	451,578.28	730,203.36	BOC; CURB RAMP OPENING
A171	56+46.27	17.51'LT	---	451,553.22	730,204.87	BOC; CURB RAMP OPENING
A172	56+51.27	17.51'LT	---	451,549.66	730,208.38	BOC; CURB RAMP OPENING
A173	53+00.87	19.82'LT	1002.84	451,798.15	729,945.38	HP
A174	52+93.91	23.33'RT	1002.77	451,798.15	729,945.38	GRADE BREAK
A175	53+46.77	20.88'RT	1004.53	451,738.89	729,968.84	GRADE BREAK
A176	55+90.18	21.49'LT	1005.82	451,595.03	730,168.55	HP
A177	55+81.92	37.00'RT	---	451,560.87	730,120.89	R=22'
A178	53+05.43	32.43'LT	---	451,806.67	729,968.19	BOC; CURB RAMP OPENING
A179	53+45.01	33.49'LT	---	451,789.66	729,989.09	BOC; CURB RAMP OPENING
A180	51+78.09	25.61'LT	---	451,872.25	729,864.27	MATCH EXISTING PAVEMENT

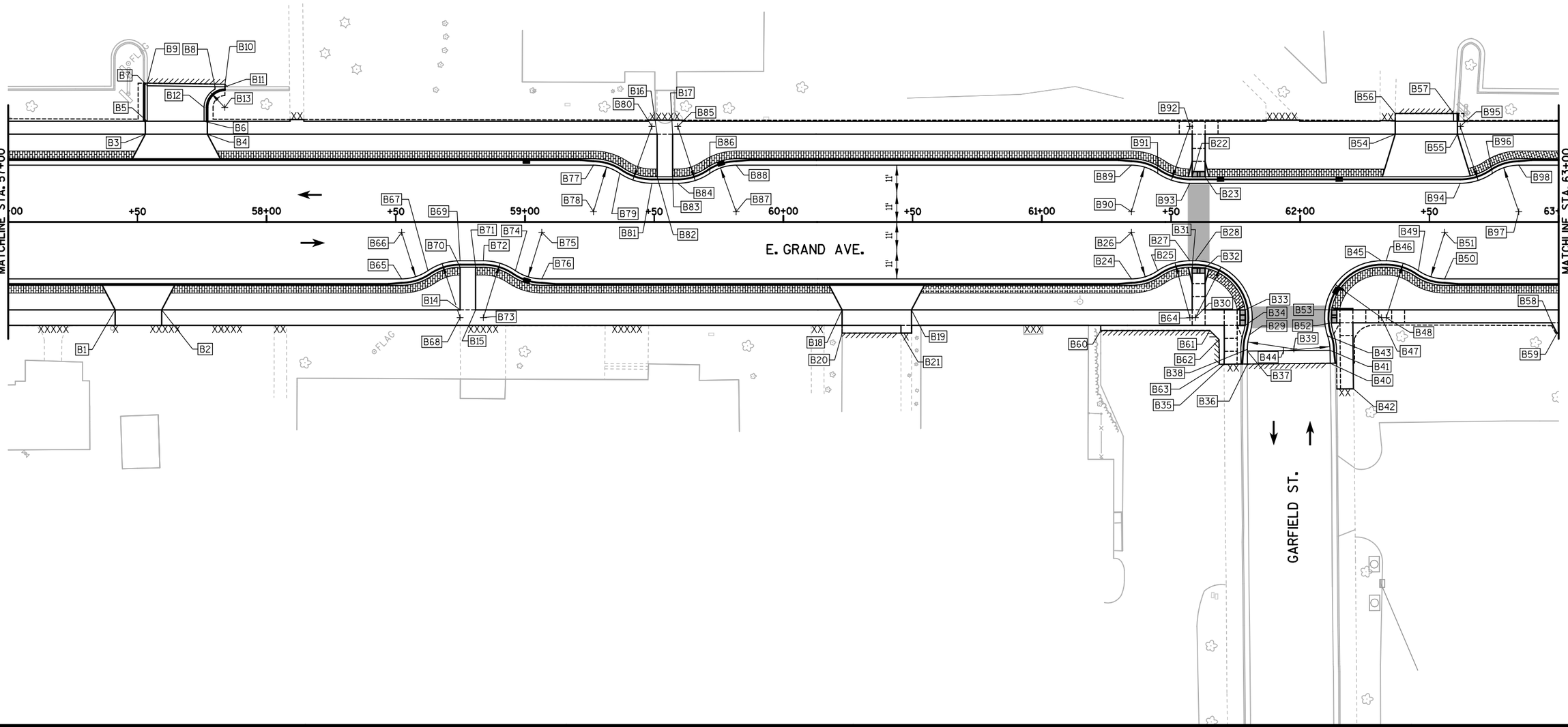
NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII, UNLESS OTHERWISE NOTED.

LEGEND

XXX	LAYOUT POINT	XXXXX	SAWING CONCRETE
→	TRAFFIC FLOW	//////	SAWING ASPHALT
■	PROPOSED STORM SEWER CATCH BASIN	------	SLOPE INTERCEPT
●	PROPOSED STORM SEWER MANHOLE	▭	COLORED CONCRETE CROSSWALK (SEE DETAIL)
▭	CURB RAMP DETECTABLE WARNING FIELD	▭	REVERSE SLOPE GUTTER

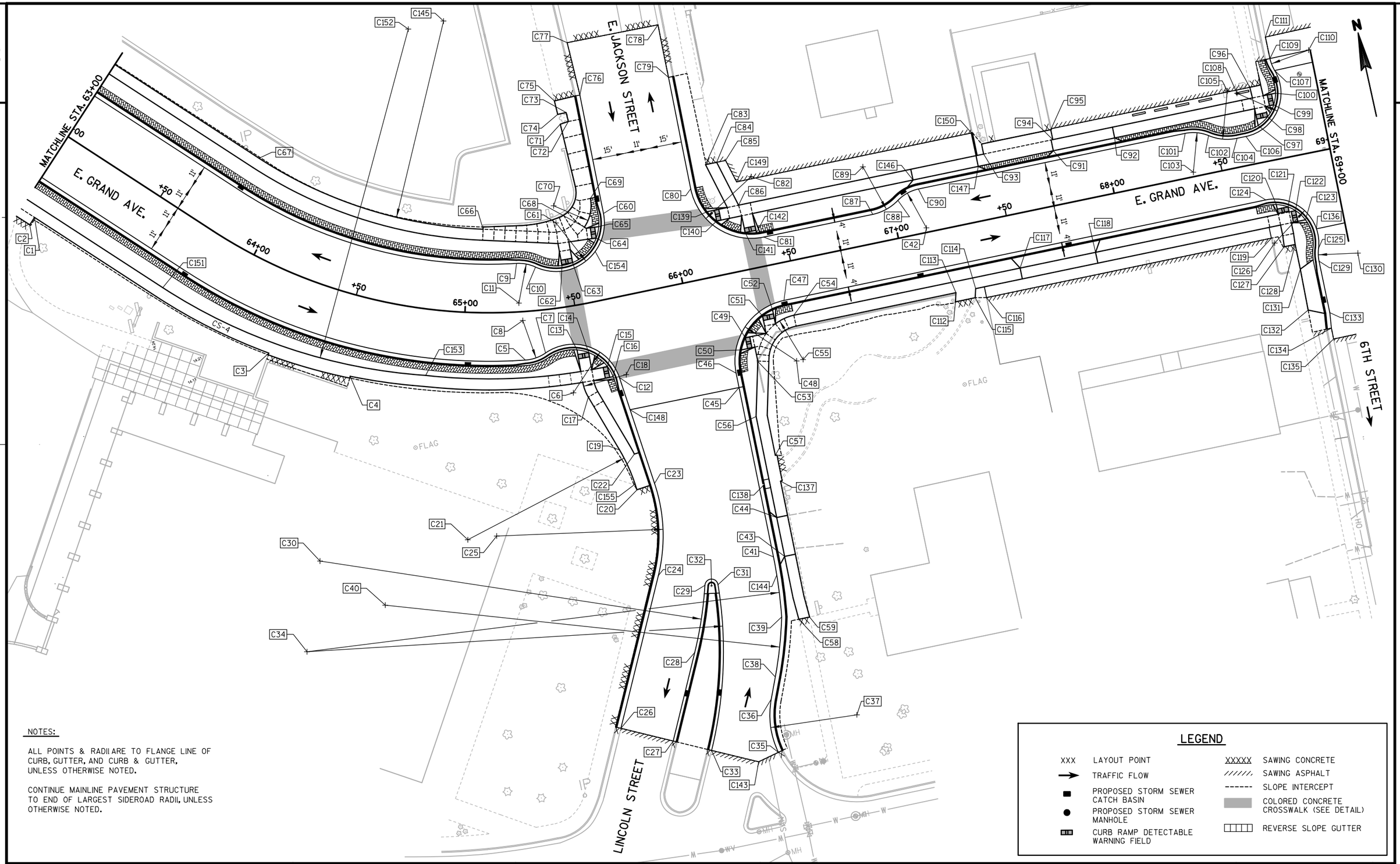


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LAYOUT DETAIL	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021206_pd.dgn PLOT DATE : 7/26/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

POINT NO.	STATION	OFFSET	ELEV.	Y	X	REMARKS
	E. GRAND AVENUE					
B1	57+41.39	34.00'RT	1006.69	451,449.29	730,234.86	FOS AT DRIVEWAY
B2	57+59.39	34.00'RT	1006.94	451,436.45	730,247.48	FOS AT DRIVEWAY
B3	57+53.09	34.00'LT	1006.98	451,488.64	730,291.54	FOS AT DRIVEWAY
B4	57+77.09	34.00'LT	1007.09	451,471.53	730,308.37	FOS AT DRIVEWAY
B5	57+53.81	39.00'LT	1007.06	451,491.62	730,295.61	BOS
B6	57+75.81	39.00'LT	1007.17	451,475.94	730,311.04	BOS
B7	57+53.81	52.72'LT	---	451,501.24	730,305.39	PAVEMENT TYPE TRANSITION
B8	57+80.04	52.40'LT	---	451,482.33	730,323.55	PAVEMENT TYPE TRANSITION
B9	57+53.81	53.72'LT	---	451,501.95	730,306.10	MATCH EXISTING PAVEMENT
B10	57+83.92	53.36'LT	---	451,480.23	730,326.96	MATCH EXISTING PAVEMENT
B11	57+83.91	52.36'LT	---	451,479.54	730,326.24	MATCH EXISTING CURB & GUTTER
B12	57+75.81	44.36'LT	1007.45	451,479.70	730,314.86	BEGIN RADIUS
B13	57+83.81	44.36'LT	---	451,473.99	730,320.47	R = 8'
B14	58+74.87	34.00'RT	1007.75	451,354.13	730,328.46	FOS AT SIDEWALK
B15	58+80.87	34.00'RT	1007.76	451,349.85	730,332.67	FOS AT SIDEWALK
B16	59+51.11	34.00'LT	1009.05	451,347.47	730,430.40	FOS AT SIDEWALK
B17	59+57.11	34.00'LT	1009.05	451,343.19	730,434.61	FOS AT SIDEWALK
B18	60+22.70	34.00'RT	1008.24	451,248.74	730,432.13	FOS AT DRIVEWAY
B19	60+49.56	34.00'RT	1008.37	451,229.59	730,450.97	FOS AT DRIVEWAY
B20	60+22.70	43.00'RT	---	451,242.43	730,425.71	MATCH EXISTING PAVEMENT
B21	60+45.50	43.00'RT	---	451,226.17	730,441.70	MATCH EXISTING PAVEMENT
B22	61+58.17	17.50'LT	---	451,188.28	730,563.85	BOC; CURB RAMP OPENING
B23	61+63.17	17.50'LT	---	451,184.71	730,567.35	BOC; CURB RAMP OPENING
B24	61+34.69	22.00'RT	1008.23	451,177.32	730,519.22	BEGIN RADIUS
B25	61+44.86	18.85'RT	1008.42	451,172.28	730,528.60	END RADIUS; BEGIN RADIUS
B26	61+34.69	4.00'RT	---	451,189.94	730,532.05	R = 18'
B27	61+57.29	15.00'RT	1008.70	451,166.11	730,540.06	END RADIUS
B28	61+59.42	15.00'RT	1008.74	451,164.60	730,541.55	BEGIN RADIUS
B29	61+80.38	43.67'RT	1008.63	451,129.55	730,535.81	END RADIUS; BEGIN RADIUS
B30	61+59.42	37.00'RT	---	451,149.17	730,525.87	R = 22'
B31	61+58.17	17.50'RT	---	451,163.73	730,538.89	BOC; CURB RAMP OPENING
B32	61+63.17	17.87'RT	---	451,159.91	730,542.14	BOC; CURB RAMP OPENING
B33	61+78.69	34.00'RT	---	451,137.54	730,541.52	BOC; CURB RAMP OPENING
B34	61+78.69	40.00'RT	---	451,133.33	730,537.24	BOC; CURB RAMP OPENING
B35	61+70.51	55.05'RT	---	451,128.61	730,520.78	MATCH EXISTING SIDEWALK
B36	61+79.59	54.96'RT	---	451,122.19	730,527.20	MATCH EXISTING CURB & GUTTER
B37	61+79.54	49.98'RT	1008.35	451,125.72	730,530.73	PAVEMENT TYPE TRANSITION
B38	61+79.54	49.30'RT	1008.35	451,126.20	730,531.20	END RADIUS
B39	61+97.54	49.13'RT	---	451,113.49	730,543.95	R = 18'
B40	62+11.59	54.66'RT	---	451,099.59	730,549.86	MATCH EXISTING CURB & GUTTER
B41	62+11.54	49.68'RT	1009.34	451,103.12	730,553.38	PAVEMENT TYPE TRANSITION; END RADIUS
B42	62+20.63	64.58'RT	---	451,086.20	730,549.13	MATCH EXISTING SIDEWALK
B43	62+10.59	44.07'RT	1009.53	451,107.74	730,556.71	END RADIUS; BEGIN RADIUS
B44	61+93.54	49.85'RT	---	451,115.84	730,540.64	R = 18'
B45	62+31.42	15.00'RT	1010.73	451,113.27	730,592.04	BEGIN RADIUS
B46	62+33.30	15.00'RT	1010.80	451,111.93	730,593.36	BEGIN RADIUS
B47	62+31.42	37.00'RT	---	451,097.84	730,576.36	R = 22'
B48	62+33.30	37.00'RT	---	451,096.50	730,577.67	R = 22'
B49	62+45.73	18.85'RT	1011.21	451,100.37	730,599.33	END RADIUS; BEGIN RADIUS
B50	62+55.90	22.00'RT	1011.57	451,090.91	730,604.22	END RADIUS
B51	62+55.90	4.00'RT	---	451,103.53	730,617.05	R = 18'
B52	62+12.03	39.00'RT	---	451,110.26	730,561.33	BOC; CURB RAMP OPENING
B53	62+12.15	34.00'RT	---	451,113.68	730,564.99	BOC; CURB RAMP OPENING
B54	62+36.79	34.00'LT	1011.36	451,143.80	730,630.74	FOS AT DRIVEWAY
B55	62+60.82	34.00'LT	1012.37	451,126.67	730,647.59	FOS AT DRIVEWAY
B56	62+36.79	42.00'LT	---	451,149.41	730,636.44	MATCH EXISTING PAVEMENT
B57	62+59.34	42.00'LT	---	451,133.34	730,652.25	MATCH EXISTING PAVEMENT
B58	62+97.27	39.00'RT	1014.23	451,049.50	730,621.11	BOS
B59	62+99.42	43.00'RT	---	451,045.15	730,619.77	MATCH EXISTING SIDEWALK
B60	61+22.78	42.00'RT	---	451,171.78	730,496.61	MATCH EXISTING PAVEMENT
B61	61+65.04	42.00'RT	---	451,141.65	730,526.24	MATCH EXISTING PAVEMENT
B62	61+68.61	45.50'RT	---	451,141.65	730,526.24	MATCH EXISTING PAVEMENT

POINT NO.	STATION	OFFSET	ELEV.	Y	X	REMARKS
	E. GRAND AVENUE					
B63	61+68.70	55.07'RT	---	451,129.89	730,519.49	MATCH EXISTING PAVEMENT
B64	61+57.29	37.00'RT	---	451,150.69	730,524.37	R = 22'
B65	58+52.27	22.00'RT	1006.86	451,378.66	730,321.17	BEGIN RADIUS
B66	58+52.27	4.00'RT	---	451,391.28	730,334.00	R=18'
B67	58+62.44	18.85'RT	1006.97	451,373.62	730,330.55	END RADIUS; BEGIN RADIUS
B68	58+74.87	37.00'RT	---	451,352.02	730,326.33	R=22'
B69	58+74.87	15.00'RT	1007.10	451,367.45	730,342.01	END RADIUS
B70	58+74.87	17.50'RT	---	451,365.70	730,340.23	BOC; FOS
B71	58+80.87	17.50'RT	---	451,361.42	730,344.43	BOC; BOS
B72	58+83.87	15.00'RT	1007.14	451,361.04	730,348.32	BEGIN RADIUS
B73	58+83.87	37.00'RT	---	451,345.61	730,332.64	R=22'
B74	58+96.31	18.85'RT	1007.12	451,349.47	730,354.29	END RADIUS; BEGIN RADIUS
B75	59+06.48	4.00'RT	---	451,352.63	730,372.01	R=18'
B76	59+06.48	22.00'RT	1007.10	451,340.01	730,359.18	END RADIUS
B77	59+26.50	22.00'LT	1007.19	451,356.59	730,404.59	BEGIN RADIUS
B78	59+26.50	4.00'LT	---	451,343.97	730,391.76	R=18'
B79	59+36.68	18.85'LT	1007.30	451,347.13	730,409.48	END RADIUS; BEGIN RADIUS
B80	59+49.11	37.00'LT	---	451,351.00	730,431.14	R-22'
B81	59+49.11	15.00'LT	1007.43	451,335.57	730,415.45	END RADIUS
B82	59+51.11	17.50'LT	---	451,335.89	730,418.64	BOC; FOS
B83	59+57.11	17.50'LT	---	451,331.62	730,422.85	BOC; BOS
B84	59+59.11	15.00'LT	1007.48	451,328.44	730,422.47	BEGIN RADIUS
B85	59+59.11	37.00'LT	---	451,343.87	730,438.15	R=22'
B86	59+71.54	18.85'LT	1007.46	451,322.27	730,433.93	END RADIUS; BEGIN RADIUS
B87	59+81.71	4.00'LT	---	451,304.61	730,430.48	R=18'
B88	59+81.71	22.00'LT	1007.44	451,317.23	730,443.31	END RADIUS
B89	61+34.69	22.00'LT	1008.23	451,208.18	730,550.58	BEGIN RADIUS
B90	61+34.69	4.00'LT	---	451,195.55	730,537.75	R=18'
B91	61+44.86	18.85'LT	1008.42	451,198.72	730,555.47	END RADIUS; BEGIN RADIUS
B92	61+57.29	37.00'LT	---	451,202.58	730,577.13	R=22'
B93	61+57.29	15.00'LT	1008.70	451,187.15	730,561.45	END RADIUS
B94	62+61.96	15.00'LT	1011.98	451,112.54	730,634.84	BEGIN RADIUS
B95	62+61.96	37.00'LT	---	451,127.96	730,650.53	R=22'
B96	62+74.39	18.85'LT	1012.45	451,106.37	730,646.31	END RADIUS; BEGIN RADIUS
B97	62+84.56	4.00'LT	---	451,088.71	730,642.85	R=18'
B98	62+84.56	22.00'LT	1012.83	451,101.33	730,655.69	END RADIUS



NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII, UNLESS OTHERWISE NOTED.

LEGEND

XXX	LAYOUT POINT	XXXXX	SAWING CONCRETE
→	TRAFFIC FLOW	//////	SAWING ASPHALT
■	PROPOSED STORM SEWER CATCH BASIN	------	SLOPE INTERCEPT
●	PROPOSED STORM SEWER MANHOLE	▒	COLORED CONCRETE CROSSWALK (SEE DETAIL)
▪▪	CURB RAMP DETECTABLE WARNING FIELD	⊟⊟⊟	REVERSE SLOPE GUTTER

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LAYOUT DETAIL	SHEET 41	E

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
C1	63+07.22	39.00'RT	1014.70	451,042.40	730,628.09	BOS
C2	63+07.22	43.00'RT	---	451,039.59	730,625.24	MATCH EXISTING SIDEWALK
C3	64+22.90	37.65'RT	1019.94	450,959.42	730,718.61	BOS
C4	64+55.96	36.36'RT	1021.58	450,941.20	730,752.37	BOS
C5	65+25.99	22.00'RT	1024.27	450,931.19	730,831.63	BEGIN RADIUS
C6	65+43.75	39.00'RT	---	450,912.04	730,849.69	R = 22'
C7	65+34.60	19.56'RT	1024.59	450,932.36	730,841.25	END RADIUS; BEGIN RADIUS
C8	65+25.99	4.00'RT	---	450,948.98	730,834.36	R = 18'
C9	65+24.72	22.00'LT	1023.33	450,974.86	730,837.15	BEGIN RADIUS
C10	65+34.04	19.68'LT	1023.78	450,971.40	730,845.23	END RADIUS; BEGIN RADIUS
C11	65+24.72	4.00'LT	---	450,957.08	730,834.33	R = 18'
C12	65+63.16	35.93'RT	1025.66	450,914.31	730,871.57	END RADIUS
C13	65+47.80	20.04'RT	---	450,930.65	730,855.50	BOC; CURB RAMP OPENING
C14	65+52.39	22.14'RT	---	450,928.32	730,860.41	BOC; CURB RAMP OPENING
C15	65+58.87	30.00'RT	---	450,920.29	730,867.35	BOC; CURB RAMP OPENING
C16	65+60.49	34.99'RT	---	450,915.28	730,868.91	BOC; CURB RAMP OPENING
C17	65+49.18	42.01'RT	1025.86	450,908.63	730,855.87	BOS; END RADIUS
C18	65+66.46	35.34'RT	---	450,914.87	730,874.88	R=20'
C19	65+56.91	68.14'RT	1026.66	450,882.19	730,864.55	BOS; BEGIN RADIUS
C20	65+60.67	87.46'RT	---	450,862.82	730,868.47	MATCH EXISTING SIDEWALK
C21	65+04.27	103.09'RT	---	450,857.26	730,788.53	R = 80'
C22	65+62.74	71.36'RT	1026.72	450,878.89	730,870.73	FOS
C23	65+69.00	86.25'RT	1026.54	450,863.93	730,876.82	BEGIN RADIUS
C24	65+62.11	127.55'RT	1027.57	450,822.71	730,869.43	END RADIUS
C25	65+13.35	101.25'RT	---	450,856.10	730,801.72	R = 75.5'
C26	65+43.60	192.67'RT	---	450,758.81	730,837.92	MATCH EXISTING CURB & GUTTER
C27	65+55.66	202.35'RT	---	450,748.05	730,859.85	MATCH EXISTING CURB & GUTTER
C28	65+71.18	165.00'RT	1027.86	450,785.16	730,878.05	BEGIN RADIUS
C29	65+81.93	136.13'RT	1027.98	450,813.89	730,889.15	END RADIUS; BEGIN RADIUS
C30	64+60.28	121.08'RT	---	450,862.31	730,720.98	R = 175'
C31	65+87.82	137.06'RT	1027.82	450,812.90	730,895.02	END RADIUS; BEGIN RADIUS
C32	65+84.82	136.93'RT	---	450,813.07	730,892.03	R = 3'
C33	65+69.63	210.05'RT	---	450,740.13	730,875.97	MATCH EXISTING CURB & GUTTER; END RADIUS
C34	64+62.16	162.52'RT	---	450,823.43	730,706.32	R = 189'; R = 216'
C35	65+99.08	217.11'RT	---	450,732.72	730,905.33	MATCH EXISTING CURB & GUTTER; END RADIUS
C36	66+00.87	192.78'RT	1027.56	450,757.03	730,907.41	BEGIN RADIUS
C37	66+37.44	207.71'RT	---	450,741.67	730,943.81	R = 39.5'
C38	66+04.72	183.34'RT	1027.60	450,766.42	730,911.38	END RADIUS
C39	66+13.11	157.28'RT	1027.71	450,792.38	730,920.08	END RADIUS; BEGIN RADIUS
C40	64+81.21	135.63'RT	---	450,836.41	730,745.54	R = 180'
C41	66+15.00	129.85'RT	1027.81	450,819.79	730,922.29	BEGIN RADIUS
C42	67+13.43	2.00'LT	---	450,950.46	731,022.28	R = 18'
C43	66+19.99	130.69'RT	1027.93	450,818.89	730,927.27	FOS AT DRIVEWAY
C44	66+20.08	112.69'RT	1027.75	450,836.89	730,927.58	FOS AT DRIVEWAY
C45	66+15.39	51.49'RT	1027.01	450,898.14	730,923.61	PAVEMENT TYPE TRANSITION
C46	66+15.42	44.86'RT	1026.94	450,904.76	730,923.72	BEGIN RADIUS
C47	66+43.42	17.00'RT	1027.13	450,932.29	730,952.05	END RADIUS
C48	66+43.42	45.00'RT	---	450,904.29	730,951.72	R = 28'
C49	66+22.80	30.00'RT	---	450,919.54	730,931.27	BOC; CURB RAMP OPENING
C50	66+19.96	35.00'RT	---	450,914.57	730,928.38	BOC; CURB RAMP OPENING
C51	66+32.45	21.98'RT	---	450,927.44	730,941.02	BOC; CURB RAMP OPENING
C52	66+37.45	20.21'RT	---	450,929.15	730,946.04	BOC; CURB RAMP OPENING
C53	66+26.18	41.73'RT	1027.38	450,907.76	730,934.51	FOS; BEGIN RADIUS
C54	66+46.42	24.50'RT	1027.57	450,924.75	730,954.96	FOS; END RADIUS
C55	66+46.42	45.00'RT	---	450,904.26	730,954.72	R=20.5'
C56	66+20.32	65.92'RT	1027.63	450,883.65	730,928.37	FOS
C57	66+25.23	85.00'RT	1027.80	450,864.52	730,933.05	BOS
C58	66+20.47	159.91'RT	---	450,789.67	730,927.40	MATCH EXISTING SIDEWALK
C59	66+25.47	159.94'RT	---	450,789.57	730,932.40	MATCH EXISTING SIDEWALK
C60	65+71.27	38.31'LT	1025.55	450,988.45	730,880.56	END RADIUS
C61	65+47.48	38.30'LT	---	450,988.91	730,858.56	R = 22'
C62	65+47.08	18.80'LT	---	450,969.46	730,857.06	BOC; CURB RAMP OPENING
C63	65+52.53	19.30'LT	---	450,969.73	730,862.07	BOC; CURB RAMP OPENING
C64	65+65.75	28.09'LT	---	450,978.29	730,874.92	BOC; CURB RAMP OPENING
C65	65+67.96	32.95'LT	---	450,983.13	730,877.19	BOC; CURB RAMP OPENING

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
C66	65+07.66	37.89'LT	1023.66	450,993.30	730,825.67	BOS; END RADIUS
C67	63+78.00	39.00'LT	1017.48	451,046.64	730,733.33	BOS; BEGIN RADIUS
C68	65+61.55	34.05'LT	1025.60	450,984.31	730,870.79	FOS; BEGIN RADIUS
C69	65+66.84	46.22'LT	1026.05	450,996.41	730,876.22	FOS; END RADIUS
C70	65+47.73	46.18'LT	---	450,996.76	730,859.22	R = 17'
C71	65+60.33	81.97'LT	---	451,032.24	730,870.14	BOS
C72	65+64.19	82.40'LT	---	451,032.62	730,874.00	BOS
C73	65+64.05	86.57'LT	---	451,036.80	730,873.91	BOS
C74	65+60.12	86.54'LT	---	451,036.81	730,869.98	BOS
C75	65+59.91	92.86'LT	---	451,043.13	730,869.84	MATCH EXISTING SIDEWALK
C76	65+71.75	93.11'LT	---	451,043.24	730,881.69	MATCH EXISTING CURB & GUTTER
C77	65+70.96	117.52'LT	---	451,067.66	730,881.18	MATCH EXISTING PAVEMENT
C78	66+12.93	117.02'LT	---	451,066.67	730,923.15	MATCH EXISTING PAVEMENT
C79	66+12.75	92.75'LT	---	451,042.40	730,922.68	MATCH EXISTING CURB & GUTTER
C80	66+12.30	41.25'LT	1026.49	450,990.90	730,921.61	BEGIN RADIUS
C81	66+40.29	13.00'LT	1027.10	450,962.32	730,949.28	END RADIUS
C82	66+40.29	41.00'LT	---	450,990.32	730,949.61	R = 28'
C83	66+21.12	50.56'LT	---	451,000.11	730,930.55	MATCH EXISTING SIDEWALK
C84	66+26.30	50.56'LT	---	451,000.05	730,935.73	MATCH EXISTING SIDEWALK
C85	66+30.44	50.56'LT	---	451,000.00	730,939.87	MATCH EXISTING PAVEMENT
C86	66+32.03	29.50'LT	1027.15	450,978.92	730,941.21	BOS
C87	66+90.83	13.00'LT	1027.56	450,961.73	730,999.81	BEGIN RADIUS
C88	67+03.26	16.85'LT	1027.58	450,965.43	731,012.28	END RADIUS; BEGIN RADIUS
C89	66+90.83	35.00'LT	---	450,983.72	731,000.07	R = 22'
C90	67+13.43	20.00'LT	1027.60	450,968.46	731,022.49	END RADIUS
C91	67+76.93	24.50'LT	1028.22	450,972.20	731,086.04	FOS AT DRIVEWAY
C92	68+05.37	24.50'LT	1028.44	450,971.87	731,114.48	FOS AT DRIVEWAY
C93	67+45.66	29.50'LT	1028.22	450,977.57	731,054.83	BOS
C94	67+77.71	29.50'LT	1028.30	450,977.19	731,086.87	BOS
C95	67+78.05	34.50'LT	---	450,982.19	731,087.28	MATCH EXISTING PAVEMENT
C96	68+69.84	34.54'LT	---	450,981.10	731,179.31	MATCH EXISTING SIDEWALK
C97	68+70.12	16.76'LT	---	450,963.32	731,179.25	BOC; CURB RAMP OPENING
C98	68+75.10	19.83'LT	---	450,966.29	731,184.29	BOC; CURB RAMP OPENING
C99	68+78.93	24.60'LT	---	450,970.99	731,188.21	BOC; CURB RAMP OPENING
C100	68+80.75	29.61'LT	---	450,975.97	731,190.12	BOC; CURB RAMP OPENING
C101	68+37.13	20.00'LT	1028.47	450,966.99	731,146.19	BEGIN RADIUS
C102	68+47.31	16.85'LT	1028.55	450,963.72	731,156.32	END RADIUS; BEGIN RADIUS
C103	68+37.13	2.00'LT	---	450,948.99	731,145.97	R = 18'
C104	68+59.74	13.00'LT	1028.63	450,959.72	731,168.71	END RADIUS
C105	68+59.74	35.00'LT	---	450,981.72	731,168.97	R = 22'
C106	68+63.81	13.00'LT	1028.63	450,959.67	731,172.78	BEGIN RADIUS
C107	68+82.41	39.73'LT	1028.18	450,986.05	731,191.97	END RADIUS; BEGIN RADIUS
C108	68+63.81	33.00'LT	---	450,979.67	731,173.01	R = 20'
C109	68+81.36	45.48'LT	---	450,991.82	731,191.03	MATCH EXISTING CURB & GUTTER; END RADIUS
C110	68+99.35	45.80'LT	---	450,991.80	731,209.03	R = 18'
C111	68+81.29	55.48'LT	---	451,001.82	731,191.15	MATCH EXISTING PAVEMENT
C112	67+19.45	33.50'RT	---	450,914.89	731,027.88	MATCH EXISTING SIDEWALK
C113	67+20.50	29.50'RT	1028.14	450,918.88	731,028.98	BOS
C114	67+29.64	29.50'RT	1028.21	450,918.77	731,038.12	BOS
C115	67+28.59	33.50'RT	---	450,914.78	731,037.01	MATCH EXISTING SIDEWALK
C116	67+33.69	34.50'RT	---	450,913.72	731,042.10	MATCH EXISTING PAVEMENT
C117	67+51.30	24.50'RT	1028.03	450,923.51	731,059.83	FOS AT DRIVEWAY
C118	67+86.30	24.50'RT	1028.29	450,923.10	731,094.83	FOS AT DRIVEWAY
C119	68+65.94	34.49'RT	---	450,912.15	731,174.10	MATCH EXISTING PAVEMENT
C120	68+71.12	19.98'RT	---	450,926.57	731,179.56	BOC; CURB RAMP OPENING
C121	68+76.14	22.06'RT	---	450,924.40	731,184.53	BOC; CURB RAMP OPENING
C122	68+79.17	24.40'RT	---	450,922.00	731,187.52	BOC; CURB RAMP OPENING
C123	68+82.77	29.37'RT	---	450,916.95	731,191.02	BOC; CURB RAMP OPENING
C124	68+66.86	16.99'RT	1028.62	450,929.64	731,175.35	BEGIN RADIUS
C125	68+86.01	43.24'RT	1028.36	450,903.03	731,194.00	END RADIUS; BEGIN RADIUS
C126	68+67.01	36.99'RT	---	450,909.64	731,175.12	R = 20'
C127	68+70.90	39.46'RT	---	450,907.09	731,178.97	MATCH EXISTING SIDEWALK
C128	68+75.96	39.42'RT	---	450,907.04	731,184.03	MATCH EXISTING SIDEWALK
C129	68+85.11	49.01'RT	1028.32	450,897.28	731,192.99	END RADIUS
C130	69+03.11	48.86'RT	---	450,897.09	731,210.99	R = 18'

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
C131	68+76.03	50.85'RT	---	450,895.61	731,183.87	MATCH EXISTING SIDEWALK
C132	68+75.87	69.75'RT	---	450,876.72	731,183.36	MATCH EXISTING SIDEWALK
C133	68+85.30	72.86'RT	1028.23	450,873.43	731,192.73	
C134	68+84.62	79.87'RT	---	450,866.44	731,191.92	MATCH EXISTING CURB & GUTTER
C135	68+84.64	84.87'RT	---	450,861.44	731,191.84	MATCH EXISTING PAVEMENT
C136	68+86.83	34.35'RT	1028.42	450,911.90	731,194.99	PAVEMENT TYPE TRANSITION
C137	66+25.16	96.90'RT	1027.77	450,852.62	730,932.84	BOS
C138	66+17.66	96.85'RT	1027.49	450,852.75	730,925.34	BOC; ASPHALTIC FLUME
C139	66+17.53	29.50'LT	---	450,979.09	730,926.71	BOC; CURB RAMP OPENING
C140	66+20.85	24.50'LT	---	450,974.05	730,929.97	BOC; CURB RAMP OPENING
C141	66+32.45	16.74'LT	---	450,966.15	730,941.48	BOC; CURB RAMP OPENING
C142	66+37.45	15.66'LT	---	450,965.02	730,946.46	BOC; CURB RAMP OPENING
C143	65+89.43	219.48'RT	---	450,730.46	730,895.66	MATCH EXISTING PAVEMENT
C144	66+14.79	138.24'RT	1027.85	450,811.39	730,921.98	HP
C145	64+64.27	236.68'LT	---	451,186.89	730,875.91	R=200'; BOS
C146	67+11.90	24.50'LT	1027.72	450972.9743	731,021.01	FOS AT DRIVEWAY
C147	67+42.12	24.50'LT	1027.96	450972.6158	731,051.23	FOS AT DRIVEWAY
C148	65+64.94	51.23'RT	1025.93	450,898.99	730,873.16	PAVEMENT TYPE TRANSITION
C149	66+33.32	40.00'LT	---	450,989.41	730,942.62	MATCH EXISTING PAVEMENT
C150	67+42.22	40.00'LT	---	450988.1135	731,051.52	MATCH EXISTING PAVEMENT
C151	63+73.34	34.00'RT	1017.70	450998.7679	730,683.34	FOS; BEGIN RADIUS
C152	63+73.34	216.00'LT	---	451174.0834	730,856.25	R=250'; FOS
C153	64+85.44	30.00'RT	1022.82	450,934.17	730,785.95	FOS; END RADIUS; BEGIN RADIUS
C154	65+64.10	22.25'LT	1025.16	450,972.48	730,873.20	GRADE BREAK
C155	65+60.27	84.74'RT	1026.97	450,865.55	730,868.10	BOS; END RADIUS

NOTES:

ALL POINTS & RADII ARE TO FLANGE LINE OF CURB, GUTTER, AND CURB & GUTTER, UNLESS OTHERWISE NOTED.

CONTINUE MAINLINE PAVEMENT STRUCTURE TO END OF LARGEST SIDEROAD RADII, UNLESS OTHERWISE NOTED.

N

6TH STREET

7TH STREET

8TH STREET

E. GRAND AVE.

MATCHLINE STA. 69+00

69+00 70+00 +50 71+00 +50 72+00 +50 73+00 +50 74+00 +50

LEGEND

XXX	LAYOUT POINT	XXXXX	SAWING CONCRETE
→	TRAFFIC FLOW	//////	SAWING ASPHALT
■	PROPOSED STORM SEWER CATCH BASIN	------	SLOPE INTERCEPT
●	PROPOSED STORM SEWER MANHOLE	▭	COLORED CONCRETE CROSSWALK (SEE DETAIL)
▮▮	CURB RAMP DETECTABLE WARNING FIELD	▭▭▭	REVERSE SLOPE GUTTER

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LAYOUT DETAIL	SHEET 44	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\021208_pd.dgn PLOT DATE : 7/26/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
D1	69+10.95	84.66'RT	---	450,861.15	731,218.15	MATCH EXISTING PAVEMENT
D2	69+10.76	71.38'RT	---	450,874.42	731,218.21	MATCH EXISTING CURB & GUTTER
D3	69+15.14	34.12'RT	1028.39	450,911.59	731,223.30	PAVEMENT TYPE TRANSITION; BEGIN RADIUS
D4	69+34.66	16.50'RT	1028.20	450,928.88	731,243.30	END RADIUS
D5	69+34.66	36.50'RT	---	450,908.88	731,243.12	R = 20'
D6	69+19.67	55.66'RT	---	450,889.98	731,227.41	MATCH EXISTING SIDEWALK
D7	69+19.62	49.11'RT	1028.97	450,896.53	731,227.50	FOS
D8	69+30.27	55.52'RT	---	450,889.91	731,238.02	MATCH EXISTING PAVEMENT
D9	69+30.03	43.01'RT	---	450,902.43	731,238.02	MATCH EXISTING PAVEMENT
D10	69+25.49	34.05'RT	1028.78	450,911.47	731,233.64	FOS
D11	69+19.12	29.11'RT	---	450,916.53	731,227.38	BOC; CURB RAMP OPENING
D12	69+22.64	24.08'RT	---	450,921.49	731,230.99	BOC; CURB RAMP OPENING
D13	69+25.38	21.85'RT	---	450,923.67	731,233.77	BOC; CURB RAMP OPENING
D14	69+30.36	19.59'RT	---	450,925.84	731,238.79	BOC; CURB RAMP OPENING
D15	69+30.47	31.33'RT	---	450,914.10	731,238.67	BOS
D16	69+36.33	31.33'RT	1029.15	450,914.03	731,244.84	
D17	69+36.18	33.96'RT	1029.21	450,911.40	731,244.66	
D18	69+28.45	40.22'RT	---	450,905.24	731,236.49	BOS
D19	69+40.06	24.00'RT	1028.57	450,921.33	731,248.64	FOS AT DRIVEWAY
D20	69+75.06	24.00'RT	1028.54	450,921.00	731,283.64	FOS AT DRIVEWAY
D21	69+86.10	43.00'RT	---	450,901.90	731,294.50	MATCH EXISTING PAVEMENT
D22	69+50.75	16.50'RT	1028.11	450,928.73	731,259.39	
D23	69+13.30	56.05'LT	---	451,001.78	731,223.16	MATCH EXISTING PAVEMENT
D24	69+13.35	46.05'LT	---	450,991.78	731,223.03	MATCH EXISTING CURB & GUTTER
D25	69+13.36	45.35'LT	1028.27	450,991.09	731,223.03	END RADIUS
D26	69+12.52	39.58'LT	1028.24	450,985.33	731,222.07	END RADIUS; BEGIN RADIUS
D27	68+95.37	45.03'LT	---	450,991.11	731,205.03	R = 18'
D28	69+12.72	40.27'LT	1028.24	450,986.02	731,222.29	PAVEMENT TYPE TRANSITION
D29	69+31.90	13.50'LT	1028.22	450,958.90	731,240.82	END RADIUS
D30	69+31.90	33.50'LT	---	450,978.90	731,241.01	R = 20'
D31	69+14.71	28.85'LT	---	450,974.56	731,224.06	BOC; CURB RAMP OPENING
D32	69+16.97	23.87'LT	---	450,969.54	731,226.23	BOC; CURB RAMP OPENING
D33	69+24.38	17.56'LT	---	450,963.09	731,233.51	BOC; CURB RAMP OPENING
D34	69+29.39	16.15'LT	---	450,961.58	731,238.50	BOC; CURB RAMP OPENING
D35	69+19.22	33.89'LT	1028.77	450,979.52	731,228.67	FOS
D36	69+19.54	38.90'LT	---	450,984.52	731,229.07	MATCH EXISTING SIDEWALK
D37	69+24.47	42.42'LT	---	450,987.94	731,234.08	MATCH EXISTING SIDEWALK
D38	69+24.45	38.94'LT	---	450,984.47	731,233.99	MATCH EXISTING PAVEMENT
D39	69+34.88	42.47'LT	---	450,987.85	731,244.08	MATCH EXISTING PAVEMENT
D40	69+34.88	36.00'LT	---	450,981.38	731,244.02	MATCH EXISTING PAVEMENT
D41	70+05.92	36.00'LT	---	450,980.71	731,315.06	MATCH EXISTING PAVEMENT
D42	70+05.94	42.51'LT	---	450,987.22	731,315.13	MATCH EXISTING PAVEMENT
D43	70+40.94	42.37'LT	---	450,986.75	731,350.13	MATCH EXISTING PAVEMENT
D44	70+05.89	24.00'LT	1028.50	450,968.71	731,314.92	FOS AT DRIVEWAY
D45	70+40.89	24.00'LT	1028.53	450,968.38	731,349.91	FOS AT DRIVEWAY
D46	69+50.00	13.50'LT	1028.11	450,958.73	731,258.93	
D47	70+50.00	18.50'LT	1028.30	450,962.79	731,358.97	
D48	70+07.71	24.00'RT	1028.55	450,920.69	731,316.28	FOS AT DRIVEWAY
D49	70+32.71	24.00'RT	1028.74	450,920.46	731,341.28	FOS AT DRIVEWAY
D50	70+06.83	29.00'RT	---	450,915.70	731,315.36	BOS
D51	70+06.74	35.00'RT	---	450,909.70	731,315.21	MATCH EXISTING PAVEMENT
D52	70+33.97	35.00'RT	---	450,909.45	731,342.44	MATCH EXISTING PAVEMENT
D53	70+34.05	31.10'RT	---	450,913.35	731,342.55	MATCH EXISTING PAVEMENT
D54	70+46.67	31.25'RT	---	450,913.08	731,355.17	MATCH EXISTING PAVEMENT
D55	70+47.20	11.68'RT	1028.28	450,932.64	731,355.89	BEGIN RADIUS
D56	70+62.10	16.52'RT	1028.26	450,927.66	731,370.74	END RADIUS; BEGIN RADIUS
D57	70+48.30	33.65'RT	---	450,910.66	731,356.78	R = 22'
D58	70+73.43	20.50'RT	1028.24	450,923.58	731,382.03	END RADIUS
D59	70+73.39	2.50'RT	---	450,941.58	731,382.16	R = 18'
D60	71+17.30	24.00'LT	1028.64	450,967.66	731,426.32	FOS AT DRIVEWAY
D61	71+44.43	24.00'LT	1028.58	450,967.41	731,453.45	FOS AT DRIVEWAY
D62	71+17.35	33.50'LT	---	450,977.16	731,426.45	MATCH EXISTING PAVEMENT
D63	71+44.44	33.50'LT	---	450,976.91	731,453.55	MATCH EXISTING PAVEMENT
D64	71+67.66	18.50'LT	1028.37	450,961.69	731,476.62	BEGIN RADIUS
D65	71+65.12	21.00'LT	---	450,964.21	731,474.11	BOC; CURB RAMP OPENING

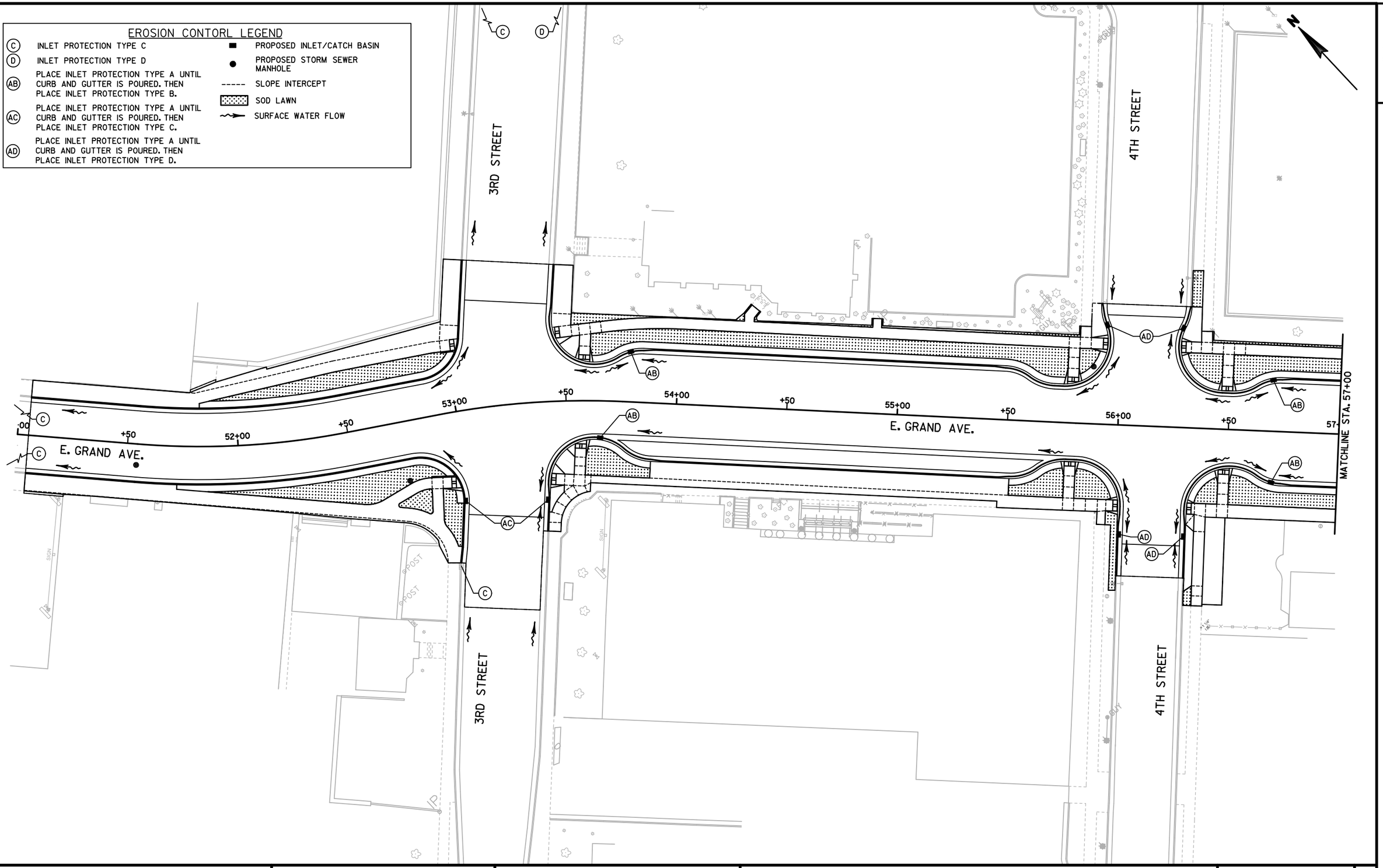
POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
D66	71+69.93	21.20'LT	---	450,964.36	731,479.11	BOC; CURB RAMP OPENING
D67	71+74.88	24.05'LT	1028.51	450,967.12	731,484.12	FOS
D68	71+80.93	29.05'LT	---	450,972.01	731,490.26	BOC; CURB RAMP OPENING
D69	71+82.64	34.06'LT	---	450,976.99	731,492.06	BOC; CURB RAMP OPENING
D70	71+84.30	42.47'LT	1027.98	450,985.36	731,493.88	END RADIUS; BEGIN RADIUS
D71	71+67.66	36.50'LT	---	450,979.69	731,476.79	R = 18'
D72	71+83.27	48.38'LT	1027.93	450,991.29	731,492.96	END RADIUS
D73	72+01.27	48.46'LT	---	450,991.04	731,510.96	R = 18'
D74	71+83.27	49.32'LT	1027.93	450,992.23	731,492.97	MATCH CITY OF WISCONSIN RAPIDS PROJECT
D75	71+69.77	49.26'LT	---	450,992.42	731,479.47	MATCH CITY OF WISCONSIN RAPIDS PROJECT
D76	71+74.77	49.28'LT	---	450,992.35	731,484.47	MATCH CITY OF WISCONSIN RAPIDS PROJECT
D77	72+15.27	49.46'LT	1027.93	450,991.77	731,524.97	MATCH CITY OF WISCONSIN RAPIDS PROJECT
D78	72+14.32	43.61'LT	1027.96	450,985.95	731,523.91	END RADIUS; BEGIN RADIUS
D79	71+97.27	49.38'LT	---	450,992.03	731,506.97	R = 18'
D80	72+32.74	18.50'LT	1028.12	450,960.53	731,541.66	END RADIUS
D81	72+32.74	37.50'LT	---	450,979.53	731,541.80	R = 19'
D82	72+16.22	33.90'LT	---	450,976.20	731,525.64	BOC; CURB RAMP OPENING
D83	72+18.25	28.91'LT	---	450,971.18	731,527.57	BOC; CURB RAMP OPENING
D84	72+28.94	21.38'LT	---	450,963.45	731,538.12	BOC; CURB RAMP OPENING
D85	72+34.19	21.00'LT	---	450,963.02	731,543.12	BOC; CURB RAMP OPENING
D86	72+23.88	23.93'LT	1028.34	450,966.09	731,533.11	FOS
D87	72+23.77	49.49'LT	---	450,991.65	731,533.47	MATCH CITY OF WISCONSIN RAPIDS PROJECT
D88	72+28.77	49.52'LT	---	450,991.58	731,538.47	MATCH CITY OF WISCONSIN RAPIDS PROJECT
D89	70+73.39	24.00'RT	---	450,920.08	731,381.96	FOS
D90	71+40.76	24.00'RT	---	450,919.44	731,449.32	FOS
D91	71+38.86	20.50'RT	1028.31	450,922.96	731,447.46	BEGIN RADIUS
D92	71+50.23	16.45'RT	1028.35	450,926.90	731,458.87	END RADIUS; BEGIN RADIUS
D93	71+38.86	2.50'RT	---	450,940.96	731,447.63	R = 18'
D94	71+86.35	31.53'RT	1028.01	450,911.34	731,494.55	END RADIUS
D95	71+64.14	33.50'RT	---	450,909.72	731,472.61	R = 22'
D96	71+86.62	34.49'RT	1027.98	450,908.37	731,494.77	PAVEMENT TYPE TRANSITION
D97	71+88.81	68.51'RT	---	450,874.32	731,496.33	MATCH EXISTING PAVEMENT
D98	71+77.54	56.66'RT	---	450,886.38	731,485.28	MATCH EXISTING SIDEWALK
D99	71+72.47	56.72'RT	---	450,886.41	731,480.20	MATCH EXISTING SIDEWALK
D100	71+72.19	31.64'RT	---	450,911.49	731,480.39	MATCH EXISTING SIDEWALK
D101	71+65.12	14.03'RT	---	450,929.19	731,473.78	BOC; CURB RAMP OPENING
D102	71+70.26	14.94'RT	---	450,928.23	731,478.77	BOC; CURB RAMP OPENING
D103	71+81.39	23.89'RT	---	450,919.06	731,489.73	BOC; CURB RAMP OPENING
D104	71+83.38	28.88'RT	---	450,914.05	731,491.63	BOC; CURB RAMP OPENING
D105	72+14.59	68.31'RT	---	450,874.04	731,522.10	MATCH EXISTING PAVEMENT
D106	72+14.45	34.56'RT	1027.95	450,907.78	731,522.59	PAVEMENT TYPE TRANSITION; BEGIN RADIUS
D107	71+88.65	56.51'RT	1028.05	450,886.32	731,496.39	
D108	72+38.06	12.78'RT	1028.14	450,929.21	731,546.75	END RADIUS
D109	72+36.06	34.69'RT	---	450,907.32	731,544.59	R = 22'
D110	72+17.86	29.14'RT	---	450,913.14	731,526.10	BOC; CURB RAMP OPENING
D111	72+20.03	24.11'RT	---	450,918.13	731,528.36	BOC; CURB RAMP OPENING
D112	72+29.77	16.30'RT	---	450,925.76	731,538.24	BOC; CURB RAMP OPENING
D113	72+34.58	15.25'RT	---	450,926.77	731,543.25	BOC; CURB RAMP OPENING
D114	72+25.14	39.06'RT	---	450,903.09	731,533.20	MATCH EXISTING SIDEWALK
D115	72+29.88	39.02'RT	---	450,903.04	731,538.20	MATCH EXISTING SIDEWALK
D116	73+33.88	21.53'RT	1028.45	450,919.77	731,642.50	BEGIN RADIUS
D117	72+79.37	24.00'RT	---	450,917.69	731,587.98	FOS; BEGIN RADIUS
D118	72+88.47	24.41'RT	---	450,917.21	731,597.07	FOS; END RADIUS
D119	72+79.37	124.00'RT	---	450,817.70	731,587.25	R=100'; FOS
D120	72+94.07	24.93'RT	1028.60	450,916.66	731,602.67	FOS AT DRIVEWAY
D121	73+18.97	27.20'RT	1028.68	450,914.21	731,627.55	FOS AT DRIVEWAY
D122	72+83.57	29.36'RT	---	450,912.31	731,592.14	MATCH EXISTING PAVEMENT
D123	72+83.60	33.01'RT	---	450,908.66	731,592.14	MATCH EXISTING PAVEMENT
D124	73+44.20	38.54'RT	---	450,902.68	731,652.70	MATCH EXISTING PAVEMENT
D125	70+46.70	29.00'RT	---	450,915.33	731,355.22	BOS
D126	74+16.67	26.00'RT	---	450,914.69	731,725.25	MATCH EXISTING PAVEMENT
D127	73+20.24	170.91'RT	---	450,770.49	731,627.77	R = 150'
D128	74+05.60	55.53'RT	---	450,885.25	731,713.97	MATCH EXISTING SIDEWALK

POINT NO.	STATION E. GRAND AVENUE	OFFSET	ELEV.	Y	X	REMARKS
D129	74+07.36	50.85'RT	---	450,889.92	731,715.76	MATCH EXISTING SIDEWALK
D130	74+09.81	44.29'RT	---	450,896.45	731,718.27	MATCH EXISTING PAVEMENT
D131	73+70.90	76.00'RT	---	450,865.03	731,679.12	MATCH EXISTING CURB & GUTTER
D132	74+04.55	76.08'RT	1029.56	450,864.70	731,712.77	BEGIN RADIUS
D133	74+12.16	79.61'RT	---	450,861.12	731,720.35	MATCH EXISTING CURB & GUTTER; END RADIUS
D134	74+04.53	86.08'RT	---	450,854.70	731,712.68	R = 10'
D135	74+11.00	80.60'RT	---	450,860.14	731,719.19	MATCH EXISTING PAVEMENT
D136	73+70.89	80.50'RT	---	450,860.53	731,679.08	MATCH EXISTING PAVEMENT
D137	74+16.67	18.50'LT	---	450,959.19	731,725.58	MATCH EXISTING CURB & GUTTER
D138	74+16.67	24.00'LT	---	450,964.69	731,725.62	MATCH EXISTING SIDEWALK
D139	74+16.67	29.00'LT	---	450,969.69	731,725.66	MATCH EXISTING SIDEWALK
D140	74+16.67	30.00'LT	---	450,970.69	731,725.66	MATCH EXISTING PAVEMENT
D141	73+90.51	29.00'LT	---	450,969.88	731,699.50	BOS
D142	73+90.51	30.00'LT	---	450,970.88	731,699.51	MATCH EXISTING PAVEMENT
D143	73+65.08	29.00'LT	---	450,970.07	731,674.06	BOS
D144	73+65.08	31.00'LT	---	450,972.07	731,674.08	MATCH EXISTING PAVEMENT
D145	73+43.28	31.00'LT	---	450,972.23	731,652.28	MATCH EXISTING PAVEMENT
D146	73+72.88	30.45'RT	1028.47	450,910.56	731,681.43	END RADIUS
D147	73+50.93	24.08'RT	1028.49	450,917.09	731,659.53	
D148	73+60.03	24.84'RT	---	450,916.27	731,668.63	
D149	73+59.67	26.18'RT	---	450,914.93	731,668.25	

EROSION CONTORL LEGEND

- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE B.
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.

- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SLOPE INTERCEPT
- SOD LAWN
- SURFACE WATER FLOW



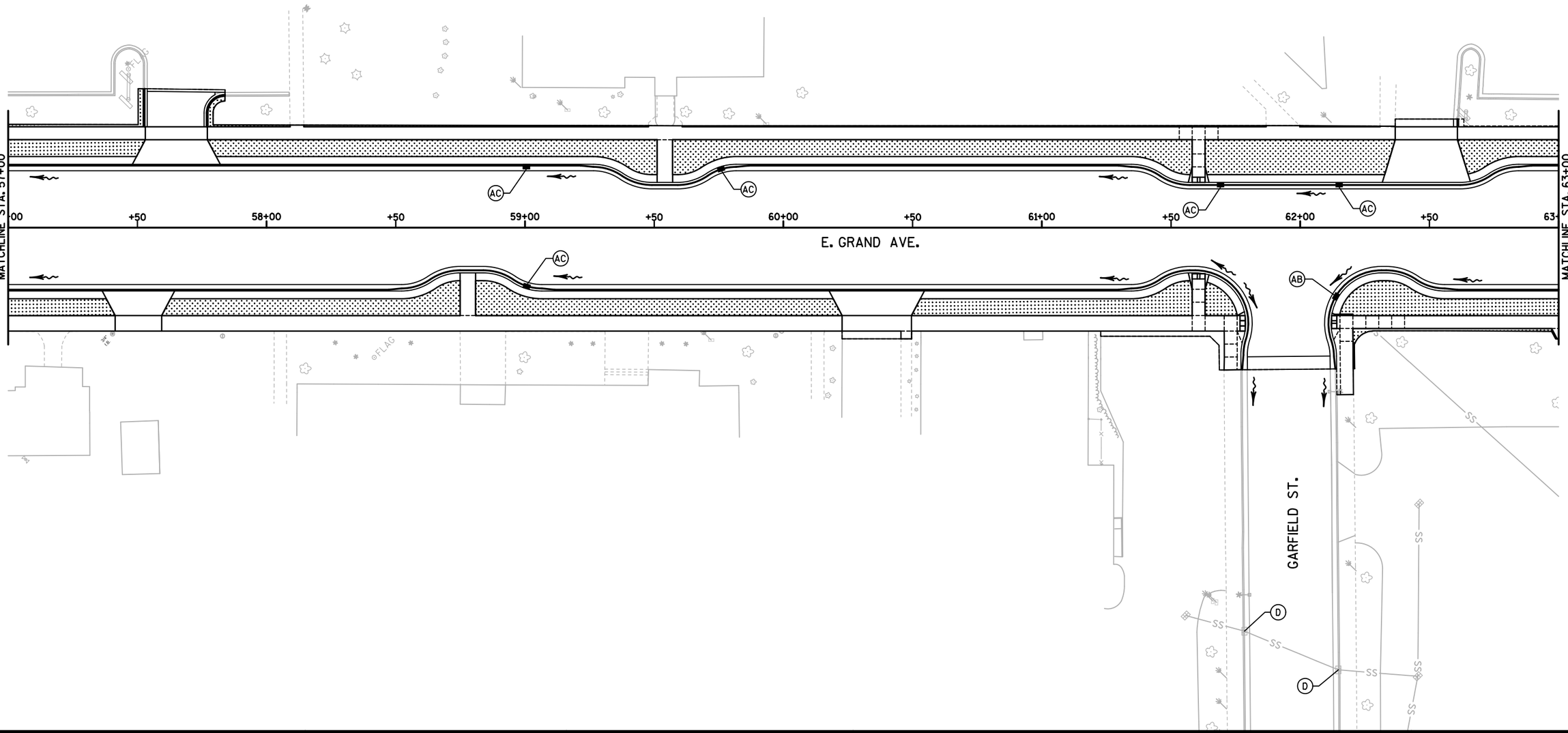
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\022001_ec.dgn PLOT DATE : 10/10/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

EROSION CONTORL LEGEND

- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE B.
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.

- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SLOPE INTERCEPT
- SOD LAWN
- SURFACE WATER FLOW

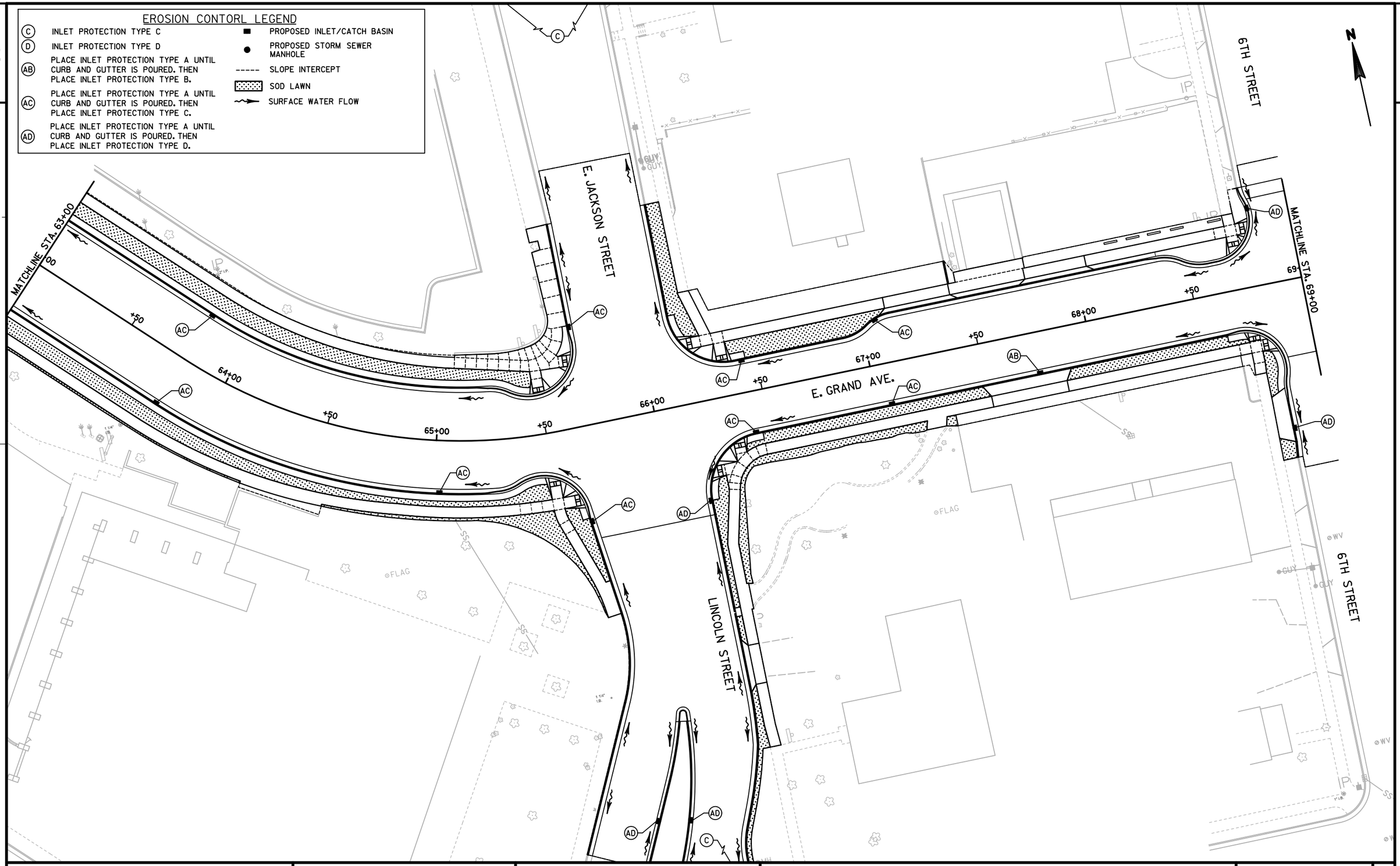


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EROSION CONTROL	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\022002_ec.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

EROSION CONTORL LEGEND

- (C) INLET PROTECTION TYPE C
- (D) INLET PROTECTION TYPE D
- (AB) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE B.
- (AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- (AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SLOPE INTERCEPT
- SOD LAWN
- SURFACE WATER FLOW

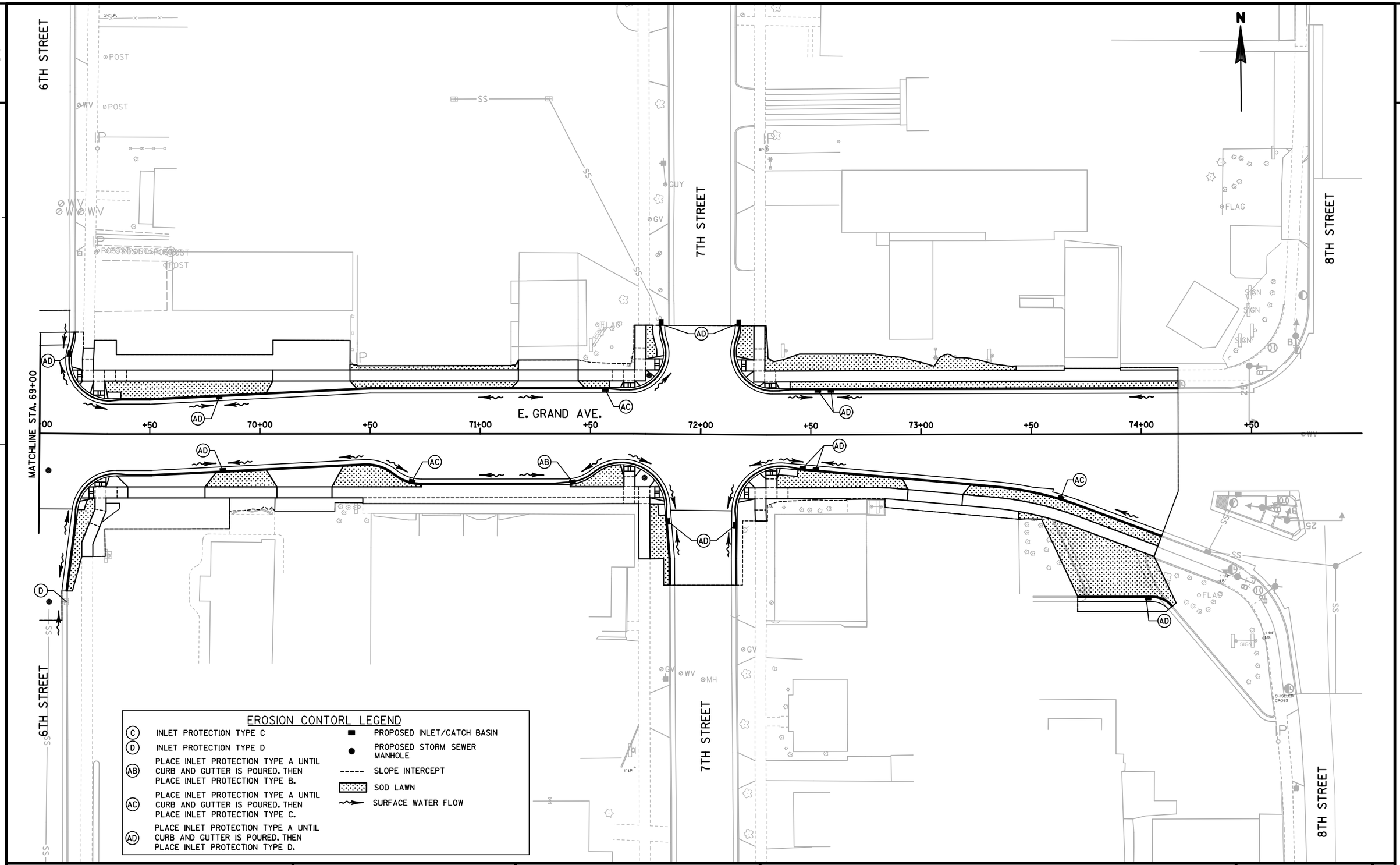


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EROSION CONTROL	SHEET 49	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\022003_ec.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2



EROSION CONTORL LEGEND

(C) INLET PROTECTION TYPE C	■ PROPOSED INLET/CATCH BASIN
(D) INLET PROTECTION TYPE D	● PROPOSED STORM SEWER MANHOLE
(AB) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE B.	----- SLOPE INTERCEPT
(AC) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.	SOD LAWN
(AD) PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.	SURFACE WATER FLOW

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EROSION CONTROL	SHEET 50	E

NOTE: CITY OF WISCONSIN RAPIDS PROPOSED WATER MAIN AND SANITARY SEWER SHOWN FOR INFORMATION ONLY.

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

CHARTER COMMUNICATIONS (COMMUNICATIONS)

SOLARUS (COMMUNICATIONS)

SLOPE INTERCEPT (TYP.)

3RD STREET

4TH STREET

E. GRAND AVE.

(PROP.) 10" D.I.W.M.

(PROP.) 6" D.I.W.M.

(PROP.) 6" WATER

MATCHLINE STA. 56+50

WG-75 WG-65 WG-60 WG-55 WG-50 WG-45 WG-40 WG-35.3 WG-35 WG-35.4 WG-35.2 WG-35.1

TLE (TYP.)

WE ENERGIES (GAS)

RECONNECT STORM SEWER LATERALS REQ'D (FIELD VERIFY LOCATION)

SOLARUS (COMMUNICATIONS)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

COORDINATE STORM SEWER CONNECTION WITH CITY OF WISCONSIN RAPIDS LOCAL PROJECT

CAUTION

EXISTING ROAD ℄ PROFILE

PROPOSED ROAD ℄ PROFILE

1002.07 1003.03 1004.28 1004.64 1004.64 1006.09

996.20 990.43 994.84 995.80 993.80 997.96 999.96 998.15 1000.15 998.36 1000.36 1001.41

989.33

50' - 24" SSPRC @ 2.20%

124' - 21" SSPRC @ 3.56%

27' - 21" SSPRC @ 3.56%

37' - 21" SSPRC @ 11.24%

37' - 21" SSPRC @ 0.51%

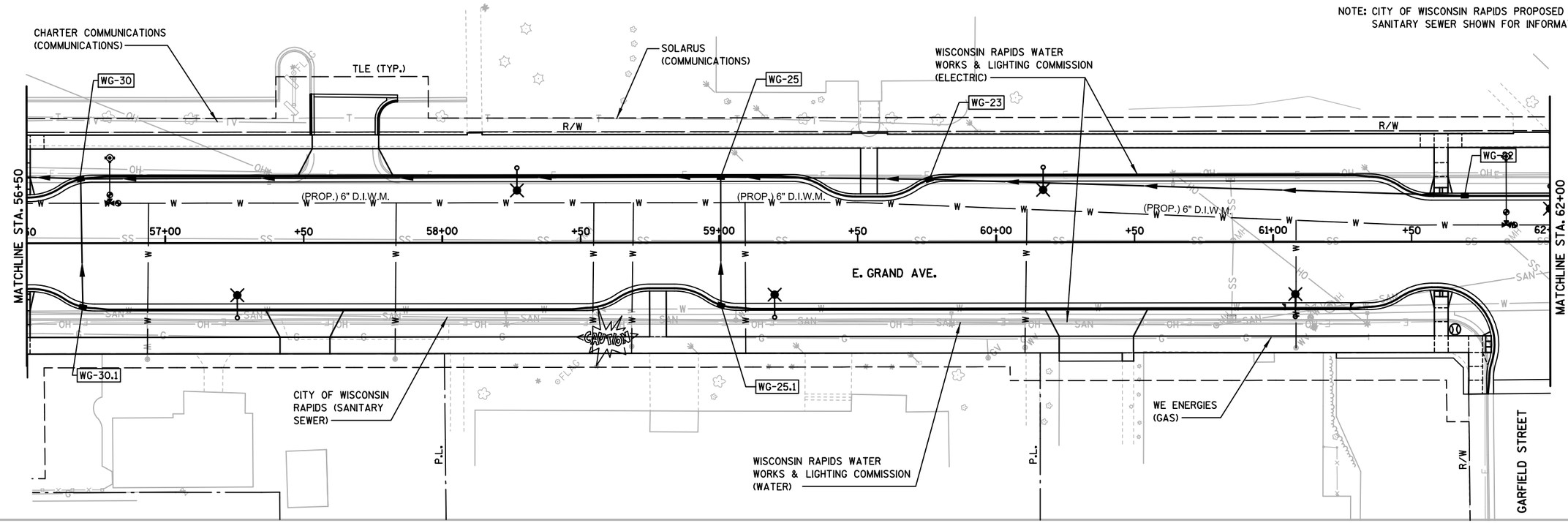
41' - 21" SSPRC @ 0.51%

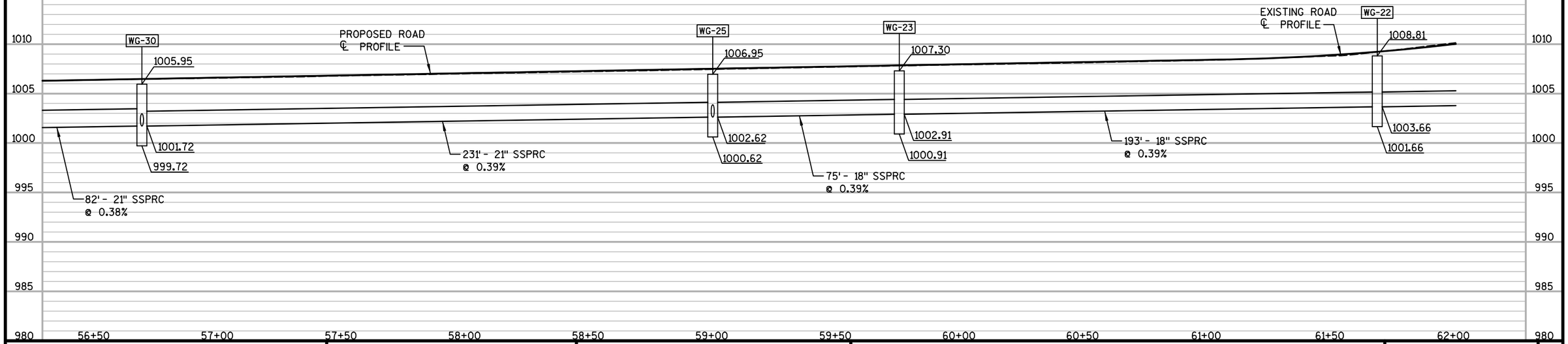
210' - 21" SSPRC @ 0.50%

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	STORM SEWER	SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\022501_ss.dgn PLOT DATE : 10/8/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

NOTE: CITY OF WISCONSIN RAPIDS PROPOSED WATER MAIN AND SANITARY SEWER SHOWN FOR INFORMATION ONLY.

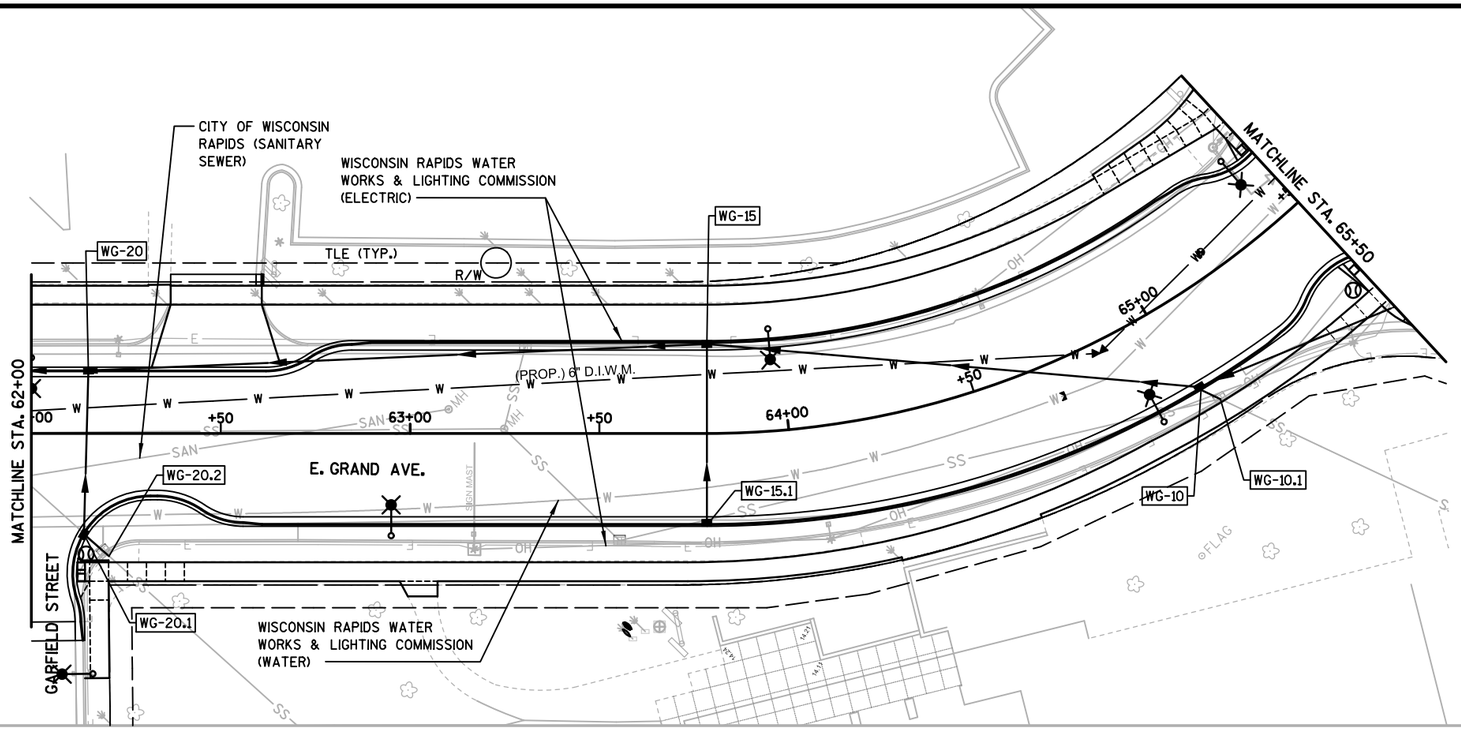


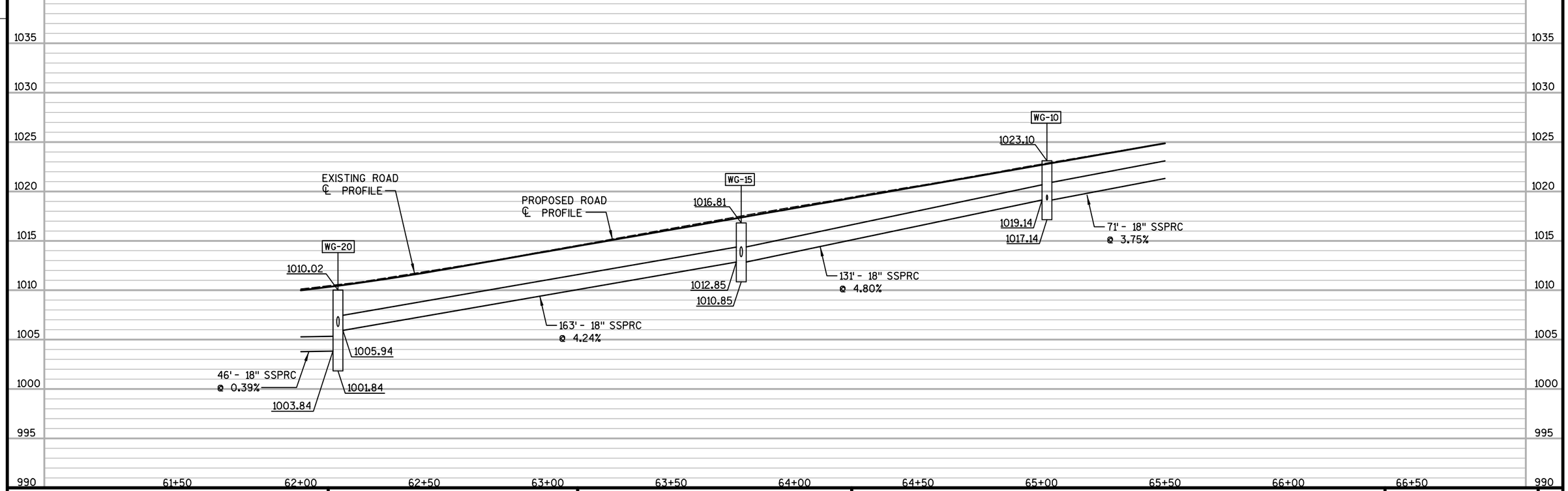


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	STORM SEWER	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\022502_ss.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 41

NOTE: CITY OF WISCONSIN RAPIDS PROPOSED WATER MAIN AND SANITARY SEWER SHOWN FOR INFORMATION ONLY.





PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	STORM SEWER	SHEET 53 E

NOTE: CITY OF WISCONSIN RAPIDS PROPOSED WATER MAIN AND SANITARY SEWER SHOWN FOR INFORMATION ONLY.

WE ENERGIES (GAS)

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

TLE (TYP.)

E. JACKSON STREET

E. GRAND AVE.

6TH STREET

LINCOLN STREET

MATCHLINE STA. 65+50

MATCHLINE STA. 71+00

11'X11' Hdcp. Ramp Easement

SOLARUS (COMMUNICATIONS)

(PROP.) 21" PVC SAN.

(PROP.) 12" WATER

(PROP.) 6" D.I.W.M.

(PROP.) 6" WATER

(PROP.) 8" SAN.

(PROP.) 12" PVC SAN.

(PROP.) 6" WATER

CAUTION

WG-5 WG-5.1 WG-5.2 WG-5.3 WG-5.4

EG-50.1 EG-45.1 EG-40.2 EG-40.1 EG-35.1 EG-50 EG-45 EG-42.1 EG-42 EG-40 EG-40.4 EG-40.3 EG-35 EG-30 EG-40.5 EG-40.6

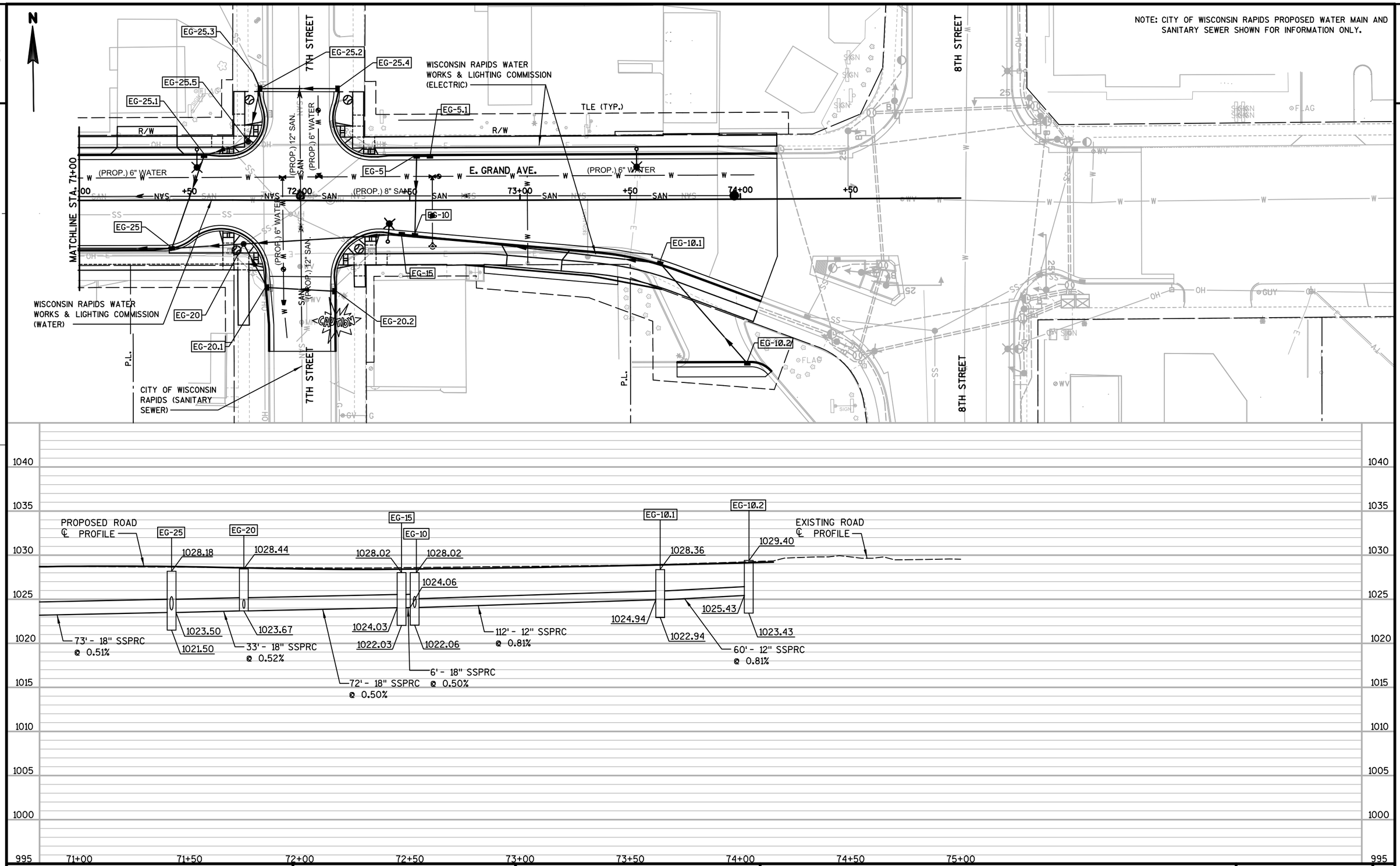
WE ENERGIES (GAS)

R/W P.L.

EXISTING ROAD ℄ PROFILE

PROPOSED ROAD ℄ PROFILE

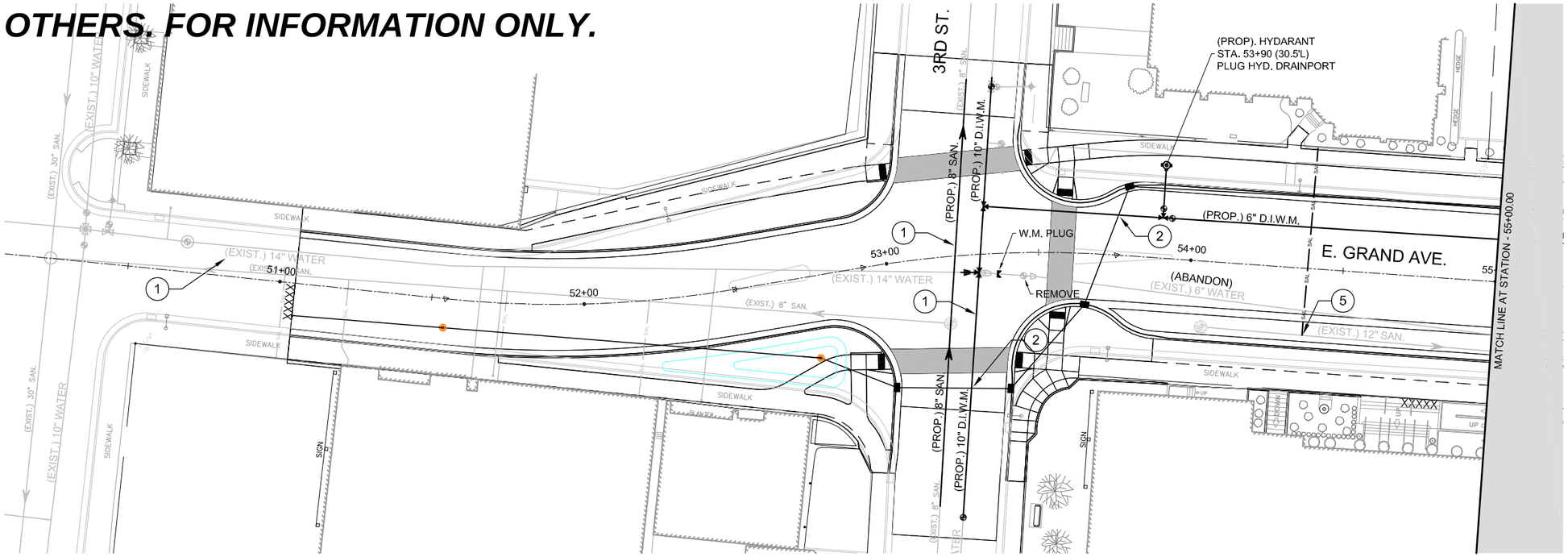
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	STORM SEWER	SHEET 55	E

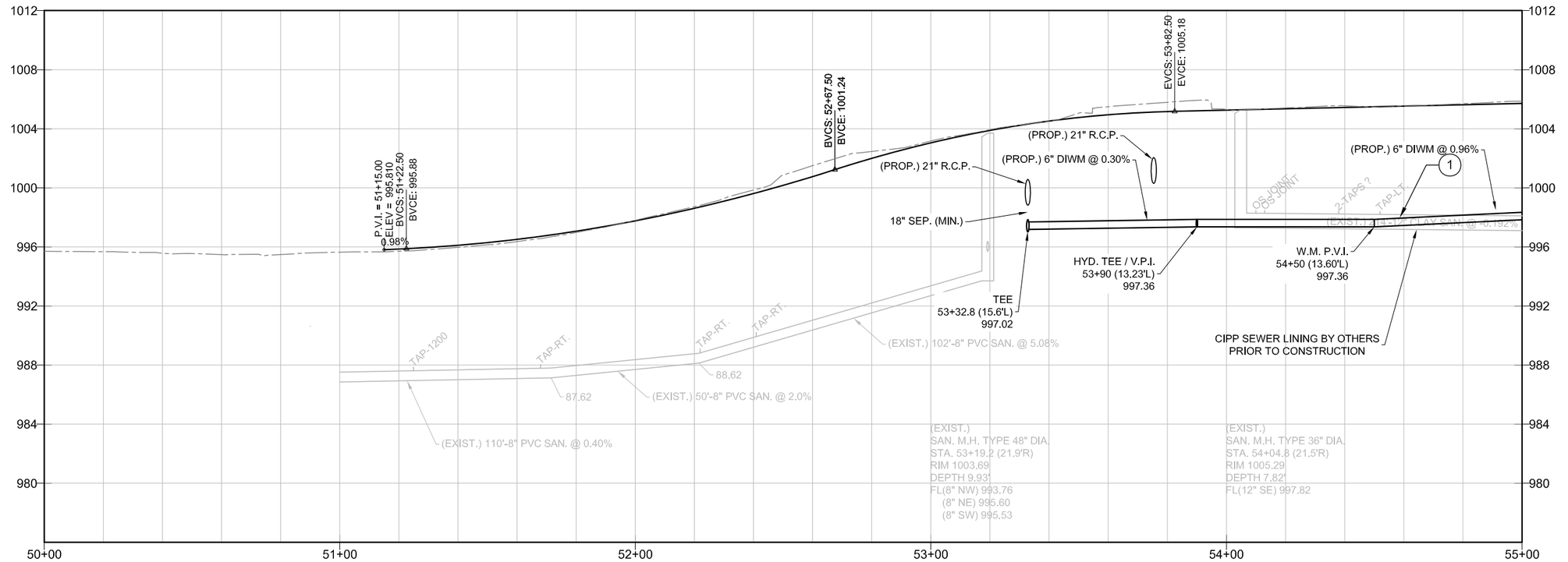
STRUCT NO.	STATION	OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE	COVER	MH TYPE	COVER	RIM/ GRATE ELEV.	T.O.S. ELEV.	DEPTH (FT)	DISCHARGE PIPE SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	REMARKS
EG-5.1	72+59.21	20.1'LT	6.0	EG-5	2X3-FT	H	-	---	1027.98	1027.32	5.05	12	1024.27	1024.24	6	0.50%	
EG-5	72+53.21	20.1'LT	35.8	EG-10	2X3-FT	H	-	---	1027.98	1027.32	5.08	18	1024.24	1024.06	36	0.50%	
EG-10.2	74+02.81	74.5'RT	60.2	EG-10.1	4-FT	H	-	---	1029.40	1028.74	5.31	12	1025.43	1024.94	60	0.81%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-10.1	73+63.41	28.9'RT	112.0	EG-10	4-FT	H	-	---	1028.36	1027.70	4.76	12	1024.94	1024.06	112	0.79%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-10	72+52.23	15.7'RT	6.0	EG-15	4-FT	H	-	---	1028.02	1027.36	5.30	18	1024.06	1024.03	6	0.50%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-15	72+46.25	15.1'RT	71.9	EG-20	4-FT	H	-	---	1028.02	1027.36	5.33	18	1024.03	1023.67	72	0.50%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-20.2	72+16.04	41.0'RT	30.6	EG-20.1	2X3-FT	H	-	---	1027.93	1027.27	5.04	12	1024.23	1024.07	31	0.52%	
EG-20.1	71+85.49	39.6'RT	22.5	EG-20	4-FT	H	-	---	1027.92	1027.26	5.19	12	1024.07	1023.67	22	1.82%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-20	71+74.71	19.9'RT	32.7	EG-25	-	-	4-FT	JB	1028.44	1027.36	3.69	18	1023.67	1023.50	33	0.52%	
EG-25.5	71+76.49	26.5'LT	21.0	EG-25.1	--	--	4-FT	JB	1028.56	1027.48	3.55	15	1023.93	1023.79	21	0.67%	
EG-25.4	72+16.86	50.8'LT	35.2	EG-25.2	4-FT	T	-	---	1027.81	1027.05	4.72	12	1024.33	1024.10	35	0.66%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
EG-25.3	71+78.59	57.6'LT	7.6	EG-25.2	-	-	-	---	-	-	-	4	1024.97	1024.57	8	5.00%	4-INCH PVC REQ'D; CONNECT TO EXISTING PIPE
EG-25.2	71+81.66	50.7'LT	24.7	EG-25.5	4-FT	T	-	---	1027.81	1027.05	4.95	15	1024.10	1023.93	25	0.68%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
EG-25.1	71+56.69	20.1'LT	44.5	EG-25	4-FT	H	-	---	1028.30	1027.63	5.84	18	1023.79	1023.50	44	0.66%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-25	71+41.90	21.9'RT	72.9	EG-30	4-FT	T	-	---	1028.18	1027.43	5.93	18	1023.50	1023.13	73	0.51%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
EG-30	70+69.00	21.6'RT	86.0	EG-35	4-FT	H	-	---	1028.10	1027.44	6.31	18	1023.13	1022.70	86	0.50%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-35.1	69+81.46	16.7'LT	33.2	EG-35	2X3-FT	H	-	---	1027.92	1027.26	4.76	12	1024.50	1022.70	33	5.45%	
EG-35	69+83.15	16.5'RT	79.1	EG-40	4-FT	H	-	---	1027.92	1027.26	6.56	18	1022.70	1022.30	79	0.51%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-40.2	68+81.79	35.6'LT	31.6	EG-40.1	4-FT	T	-	---	1028.11	1027.36	4.67	12	1024.69	1024.53	32	0.50%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
EG-40.1	69+13.37	36.2'LT	53.7	EG-40	4-FT	T	-	---	1028.16	1027.41	4.88	12	1024.53	1024.26	54	0.50%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
EG-40	69+04.19	16.7'RT	59.6	EG-40.3	-	-	4-FT	JB	1028.43	1027.35	6.76	18	1020.59	1020.29	60	0.50%	
EG-40.3	69+05.01	76.3'RT	6.0	EG-40.6	-	-	5-FT	JB	1028.30	1027.22	6.93	15	1020.29	1020.26	6	0.50%	
EG-40.4	68+83.65	66.6'RT	23.5	EG-40.3	4-FT	DW	-	---	1028.08	1027.41	4.88	12	1024.53	1024.41	23	0.52%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-40.5	69+11.01	76.2'RT	6.0	EG-40.3	-	-	-	---	-	-	-	12	1020.32	1020.29	6	0.50%	CONCRETE COLLARS FOR PIPE REQ'D
EG-40.6	69+04.98	82.3'RT	-	-	-	-	-	---	-	-	-	-	1020.26	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
EG-42	67+75.11	18.6'RT	129.0	EG-40	4-FT	DW	-	---	1027.93	1027.27	7.37	18	1021.90	1021.26	129	0.50%	FLAT SLAB TOP 2'X3' OPENING REQ'D
EG-42.1	67+78.65	23.2'RT	5.8	EG-42	-	-	-	---	-	-	-	12	1021.93	1021.90	6	0.50%	CONNECT TO EXISTING PIPE
EG-45	67+06.43	18.6'RT	68.7	EG-42	2X3-FT	H	-	---	1027.41	1026.75	6.01	18	1022.74	1022.40	69	0.49%	
EG-45.1	67+06.33	20.3'LT	38.9	EG-45	2X3-FT	H	-	---	1027.45	1026.79	4.76	12	1024.03	1022.74	39	3.31%	
EG-50	66+43.54	18.8'RT	62.9	EG-45	2X3-FT	H	-	---	1027.05	1026.39	5.34	18	1023.05	1022.74	63	0.49%	
EG-50.1	66+43.45	14.6'LT	33.4	EG-50	2X3-FT	H	-	---	1027.03	1026.37	4.76	12	1023.61	1023.05	33	1.70%	
WG-5.2	65+64.05	182.5'RT	14.5	WG-5.4	2X3-FT	H	-	---	1027.70	1027.04	4.80	12	1024.24	1024.05	14	1.36%	
WG-5.4	65+78.29	185.0'RT	150.3	WG-5.3	2X3-FT	H	-	---	1027.51	1026.85	4.80	12	1024.05	1022.80	150	0.83%	
WG-5.3	65+69.76	40.8'RT	58.1	WG-5	4-FT	H	-	---	1026.86	1026.20	5.40	18	1022.80	1021.80	58	1.72%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-5.1	65+69.76	45.5'LT	88.9	WG-5	2X3-FT	H	-	---	1025.56	1024.90	4.77	12	1022.13	1021.80	89	0.37%	
WG-5	65+62.39	43.1'RT	70.7	WG-10	4-FT	H	-	---	1025.72	1025.06	5.26	18	1021.80	1019.14	71	3.75%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-10.1	65+05.01	29.2'RT	6.4	WG-10	-	-	-	---	-	-	-	6	1019.66	1019.54	6	2.00%	6-INCH PVC REQ'D; CONNECT TO EXISTING PIPE
WG-10	65+02.21	23.6'RT	130.6	WG-15	4-FT	H	-	---	1023.10	1022.44	5.30	18	1019.14	1012.85	131	4.80%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-15.1	63+78.35	23.6'RT	47.2	WG-15	2X3-FT	H	-	---	1017.55	1016.89	4.76	12	1014.13	1012.85	47	2.72%	
WG-15	63+78.36	23.6'LT	163.4	WG-20	2X3-FT	H	-	---	1016.81	1016.15	5.30	18	1012.85	1005.94	163	4.24%	
WG-20.2	62+20.51	32.4'RT	8.8	WG-20.1	-	-	-	---	-	-	-	12	1004.04	1004.00	9	0.44%	CONCRETE COLLARS FOR PIPE REQ'D
WG-20.1	62+13.86	26.6'RT	43.2	WG-20	4-FT	T	-	---	1009.93	1009.18	7.18	12	1004.00	1003.84	43	0.37%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-20	62+15.07	16.6'LT	45.9	WG-22	4-FT	H	-	---	1010.02	1009.36	7.52	18	1003.84	1003.66	46	0.39%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-22	61+69.18	16.6'LT	193.4	WG-23	4-FT	T	-	---	1008.81	1008.06	6.40	18	1003.66	1002.91	193	0.39%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-23	59+75.86	22.7'LT	75.3	WG-25	4-FT	T	-	---	1007.30	1006.55	5.64	18	1002.91	1002.62	75	0.39%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-25.1	59+00.63	22.7'RT	46.3	WG-25	4-FT	T	-	---	1006.96	1006.21	5.06	18	1003.15	1002.62	46	1.15%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-25	59+00.58	23.6'LT	231.1	WG-30	4-FT	H	-	---	1006.95	1006.29	5.67	21	1002.62	1001.72	231	0.39%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-30.1	56+70.22	23.1'RT	46.3	WG-30	4-FT	T	-	---	1005.96	1005.21	4.94	15	1002.27	1001.72	46	1.20%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-30	56+69.50	23.2'LT	81.6	WG-35	4-FT	T	-	---	1005.95	1005.20	5.48	21	1001.72	1001.41	82	0.38%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-35.2	56+31.62	49.3'RT	29.2	WG-35.1	2X3-FT	H	-	---	1005.75	1005.09	4.88	12	1002.21	1002.07	29	0.48%	
WG-35.1	56+02.42	49.5'RT	76.8	WG-35	4-FT	H	-	---	1005.82	1005.16	5.09	12	1002.07	1001.41	77	0.86%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-35.4	56+27.86	45.0'LT	34.5	WG-35.3	4-FT	T	-	---	1005.50	1004.75	4.80	12	1001.95	1001.78	34	0.50%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-35.3	55+93.39	45.0'LT	19.8	WG-35	4-FT	T	-	---	1005.57	1004.82	5.04	12	1001.78	1001.41	20	1.85%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-35	55+87.95	26.0'LT	209.5	WG-40	-	-	5-FT	JB	1006.09	1005.01	3.60	21	1001.41	1000.36	210	0.50%	
WG-40	53+78.27	22.7'LT	41.4	WG-45	4-FT	T	-	---	1004.64	1003.89	5.53	21	1000.36	1000.15	41	0.51%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-45	53+65.76	16.7'RT	36.6	WG-50	4-FT	T	-	---	1004.64	1003.89	5.74	21	1000.15	999.96	37	0.51%	FLAT SLAB TOP 2'X2.5' OPENING REQ'D
WG-50	53+39.46	44.4'RT	37.3	WG-55	4-FT	H	-	---	1004.28	1003.61	5.65	21	999.96	995.80	37	11.24%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-55	52+97.22	40.6'RT	26.8	WG-60	4-FT	H	-	---	1003.03	1002.37	8.57	21	995.80	994.84	27	3.56%	FLAT SLAB TOP 2'X3' OPENING REQ'D
WG-60	52+73.66	26.9'RT	124.3	WG-65	-	-	4-FT	JB	1002.07	1000.99	6.15	21	994.84	990.43	124	3.56%	RECONNECT STORM SEWER LATERALS REQ'D. CONTRACTOR SHALL FIELD VERIFY SIZE AND
WG-65	51+54.59	9.5'RT	49.6	WG-75	-	-	4-FT	JB	996.20	995.12	4.69	24	990.43	989.33	50	2.20%	
WG-75	51+05.00	10.6'RT	-	-	-	-	-	---	-	-	-	24	989.33	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D.

BY OTHERS. FOR INFORMATION ONLY.



1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.

(PROP.) WATER FITTINGS:
1-10"X10" TEE
1-10"X6" TEE
1-6"X6" TEE
1-14"X10" REDUCER
2-10" VALVES
2-6" VALVES
1-6" HYDRANT

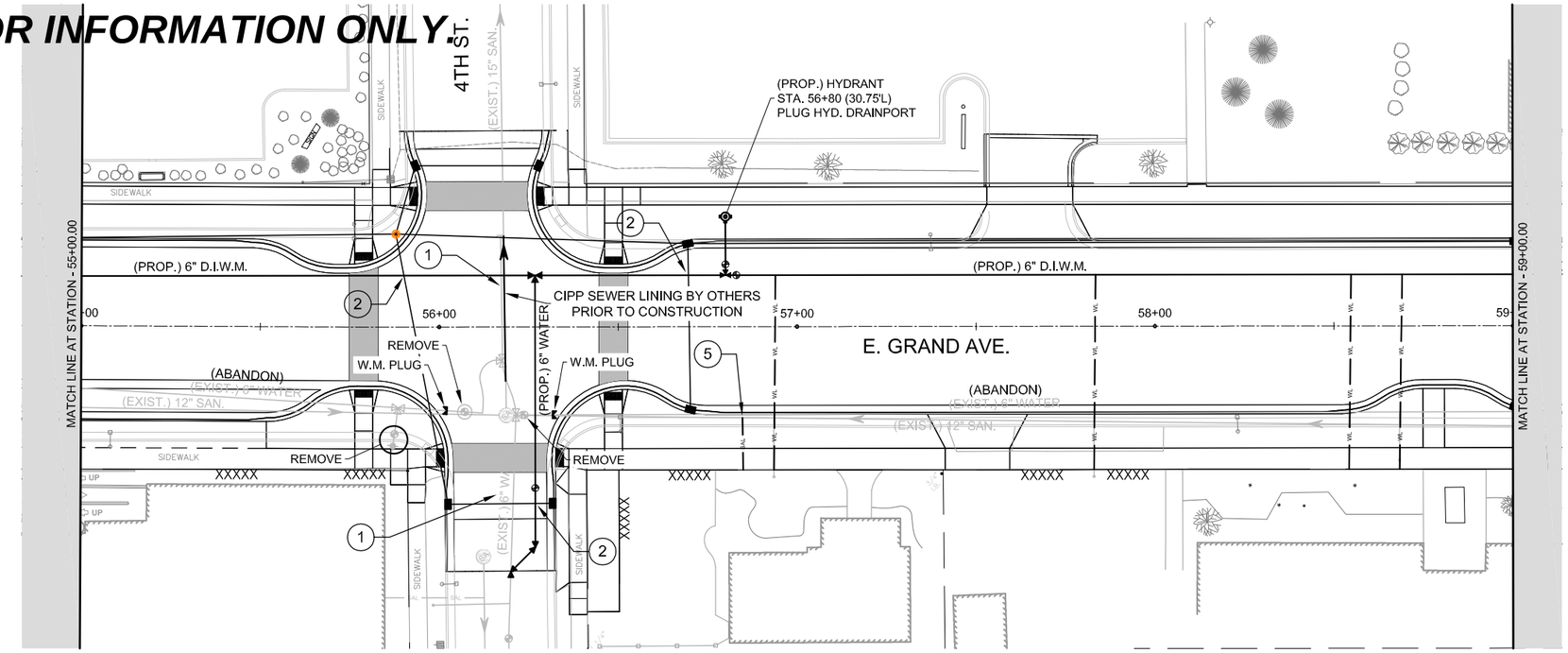


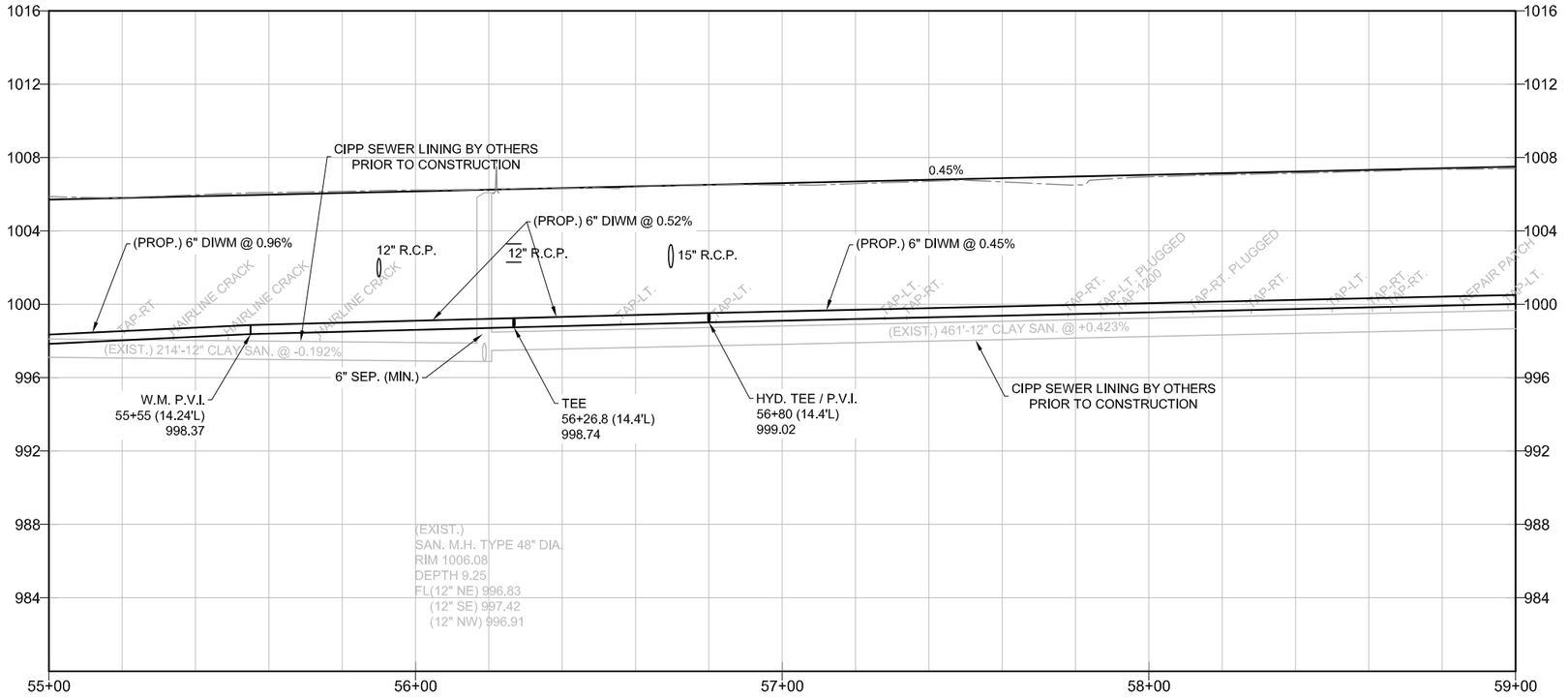


PROJECT NO:6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 57	E

FILE NAME : S:\ENGINEERING\CAD\PROJECTS\2009-01 EAST GRAND REBUILD 2019\WISDOT E GRAND 2ND TO 8TH 5-16-17.DWG
LAYOUT NAME - SHEET - E GRAND AVE
PLOT DATE : 7/17/2018 10:45 AM PLOT BY : SCHULZE, MARC PLOT NAME : PLOT SCALE : 1" = 40'

BY OTHERS. FOR INFORMATION ONLY.





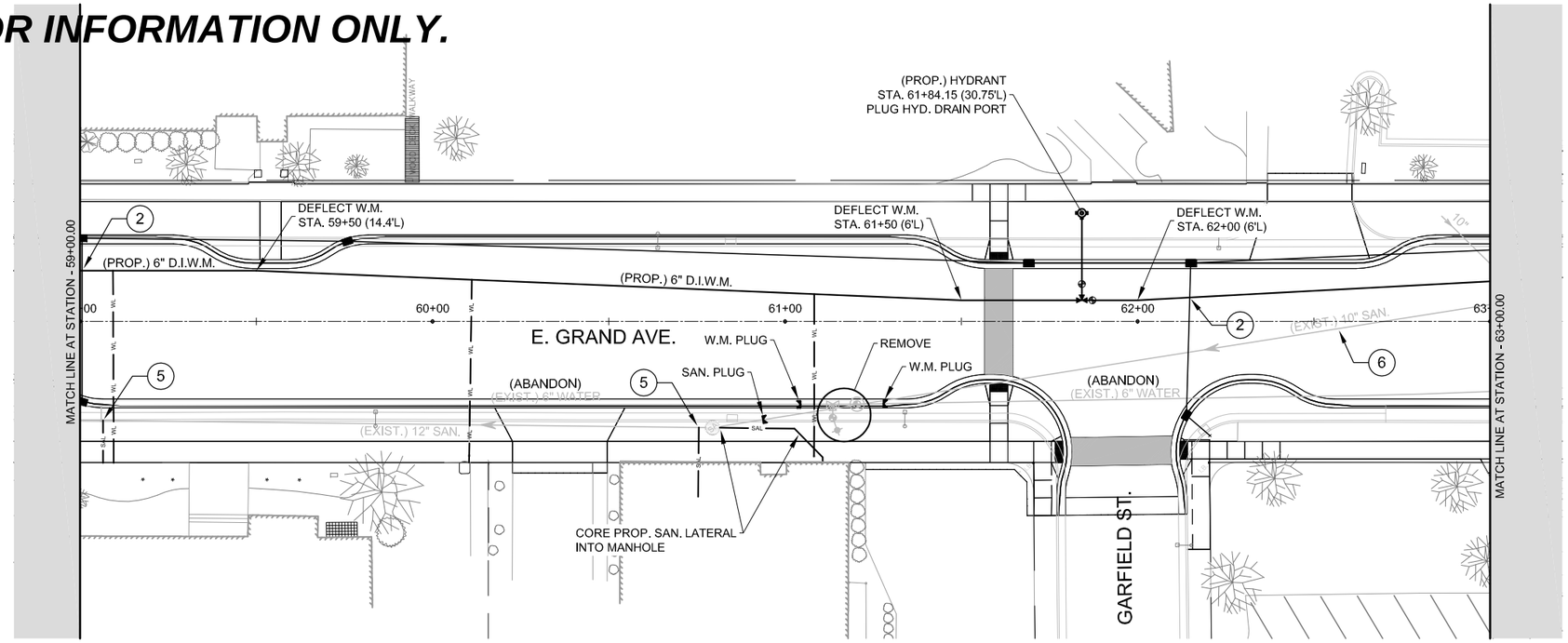
N

1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.

(PROP.) WATER FITTINGS:
2-6"X6" TEES
3-6" VALVES
2-6"X45-DEG. BENDS
1-6" HYDRANT

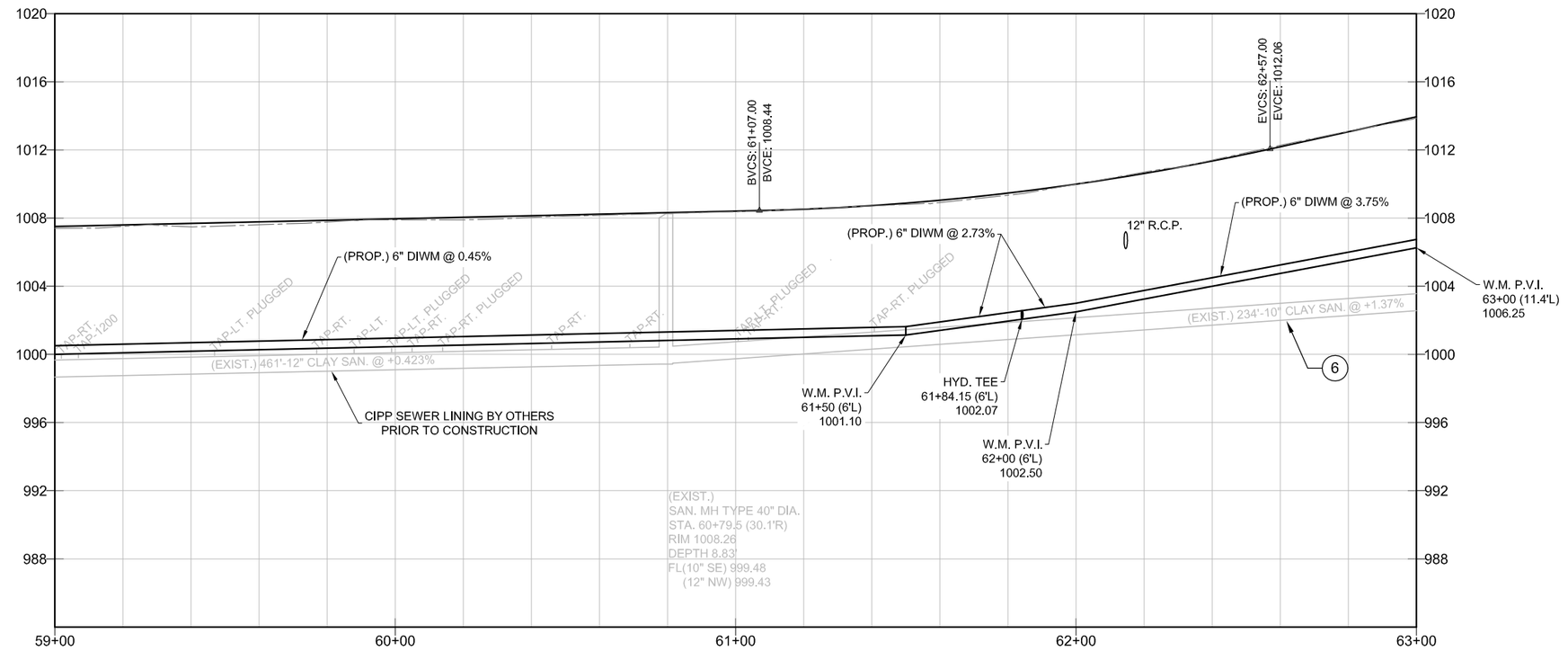
PROJECT NO:6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 58	E

BY OTHERS. FOR INFORMATION ONLY.



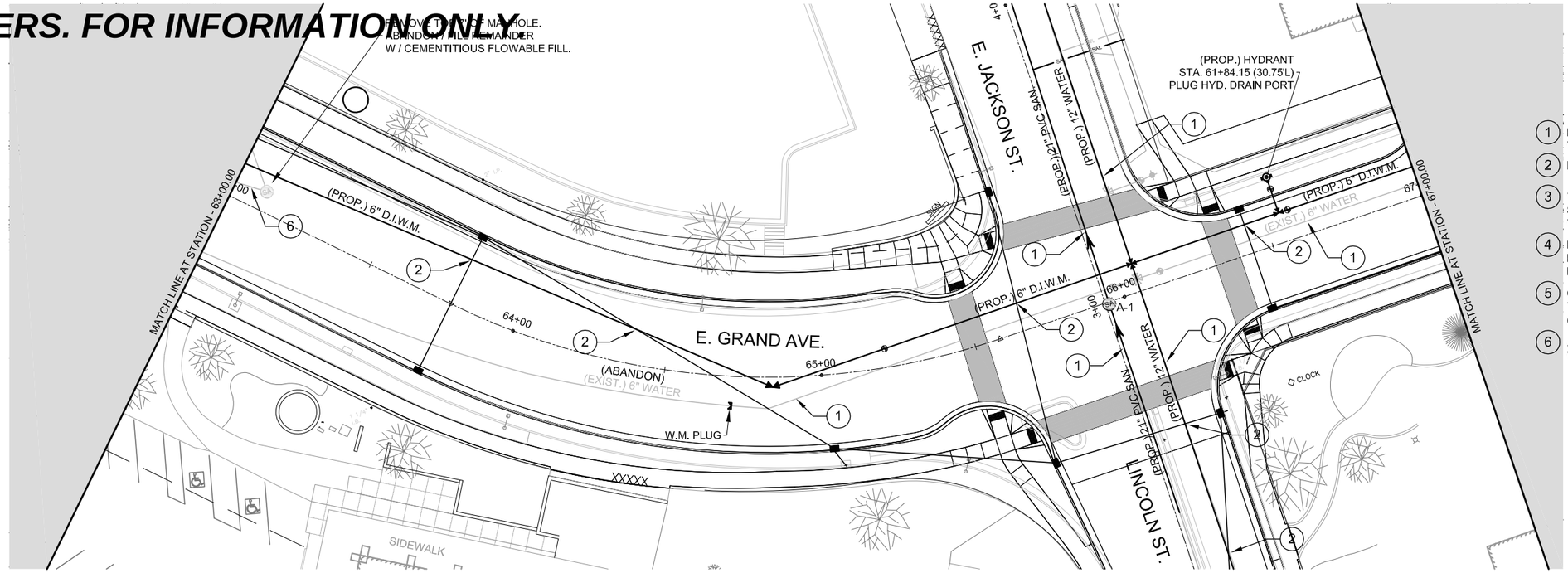
(PROP.) WATER FITTINGS:
1-6"X6" TEE
2-6" VALVES
1-6" HYDRANT

1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.



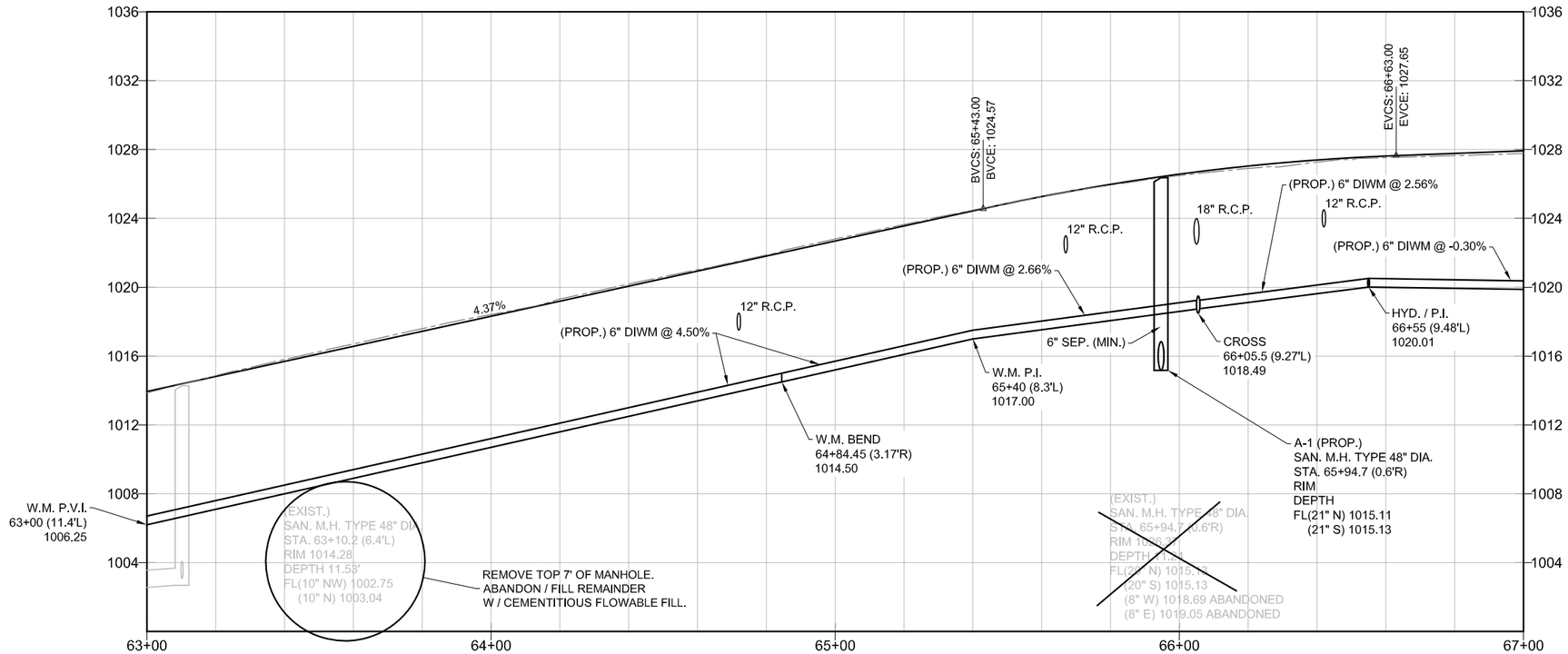
PROJECT NO:6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 59	E

BY OTHERS. FOR INFORMATION ONLY.



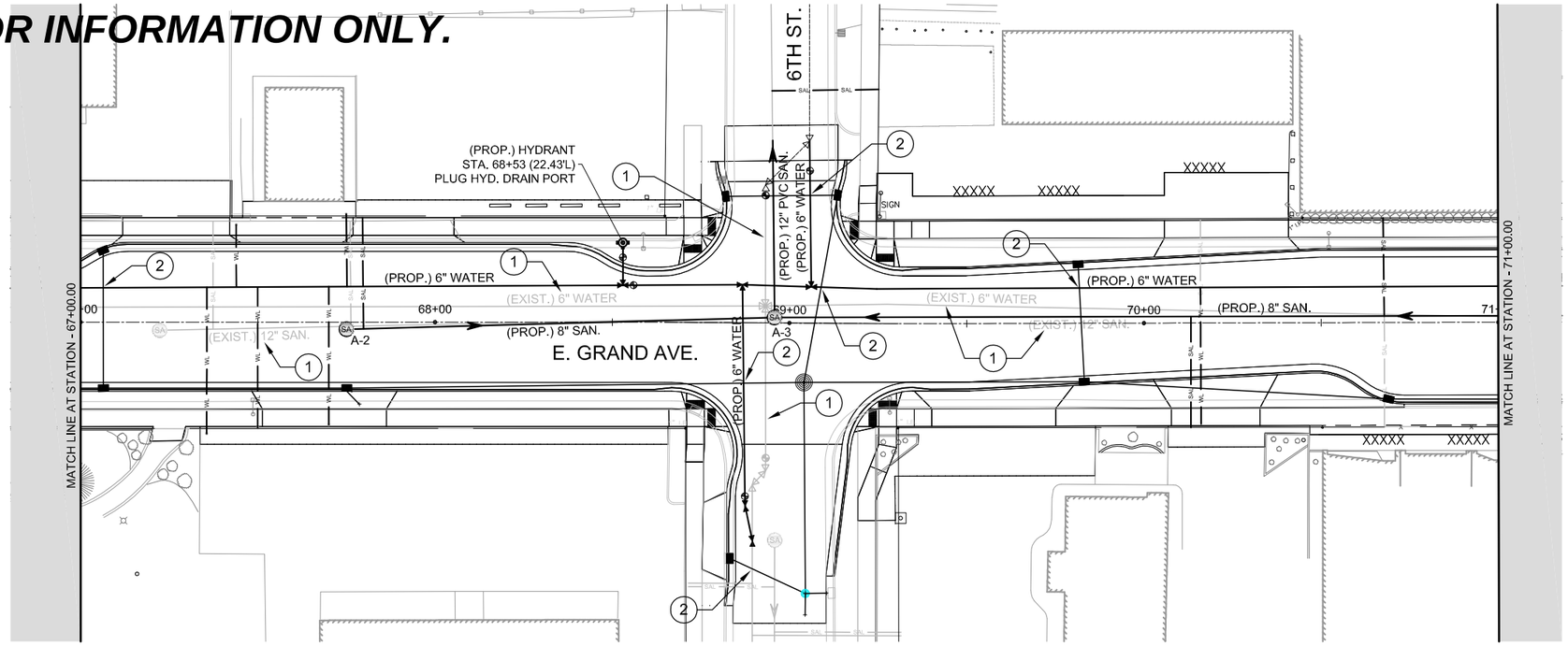
1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.

(PROP.) WATER FITTINGS:
1-12"X6" CROSS
1-6"X6" TEE
3-6" VALVES
1-6"X45 DEG. BEND
1-6" HYDRANT



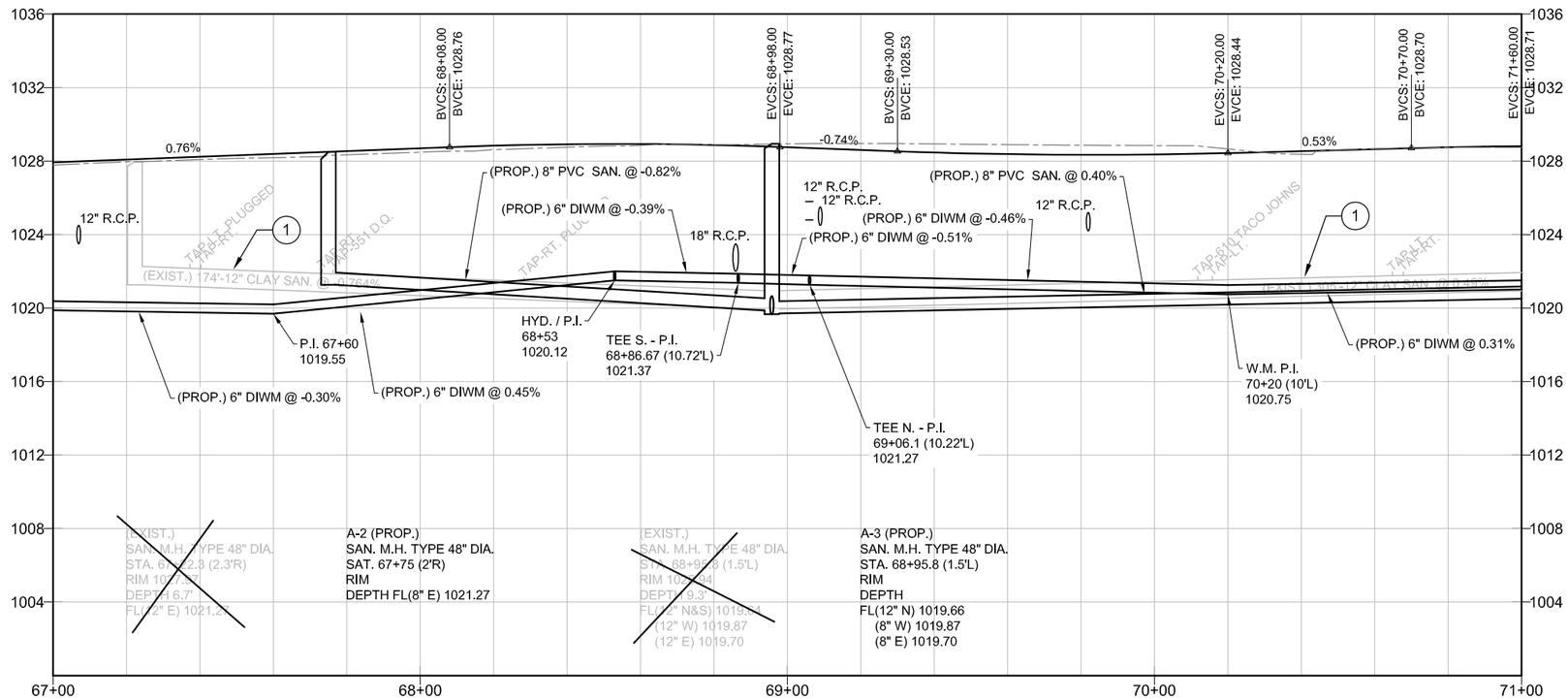
PROJECT NO:6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 60	E

BY OTHERS. FOR INFORMATION ONLY.



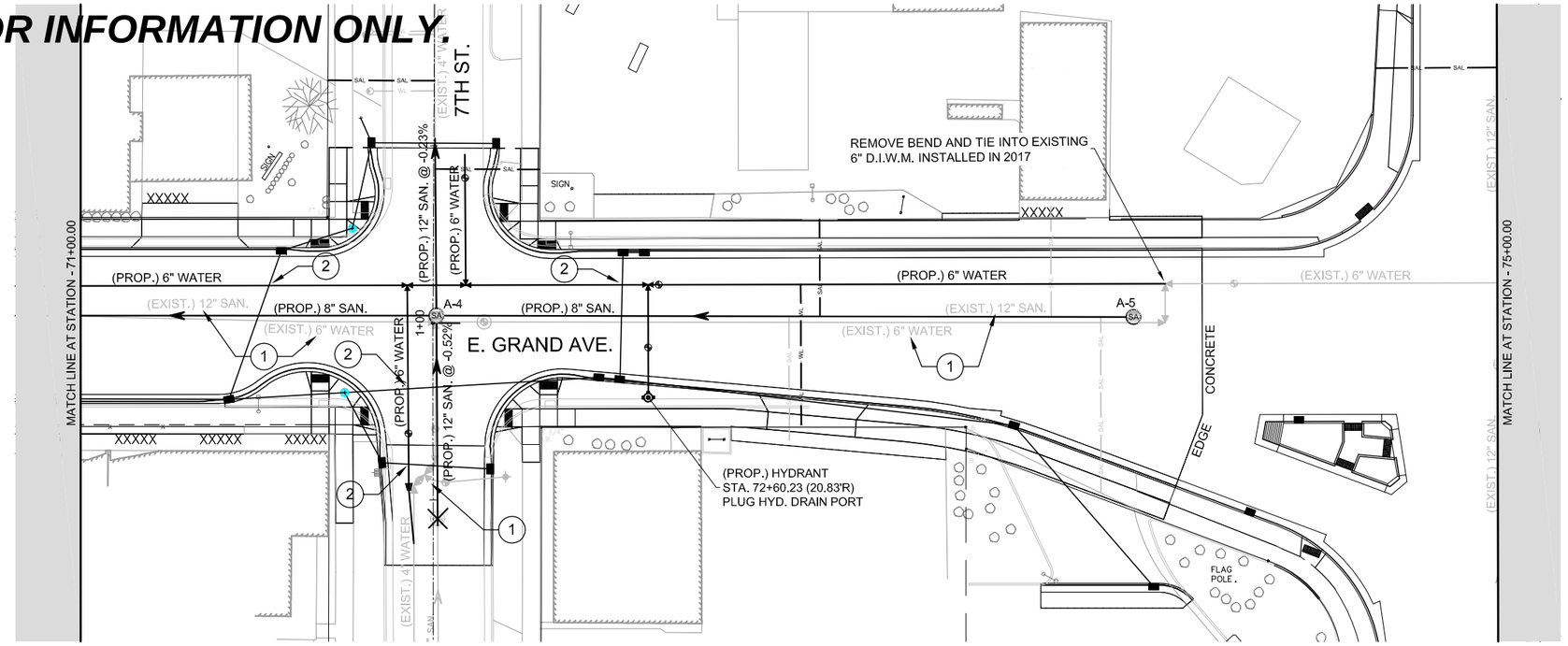
1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.

(PROP.) WATER FITTINGS:
3-6"X6" TEES
4-6" VALVES
2-6"X11.25-DEG. BENDS
1-6" HYDRANT



PROJECT NO:6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 61	E

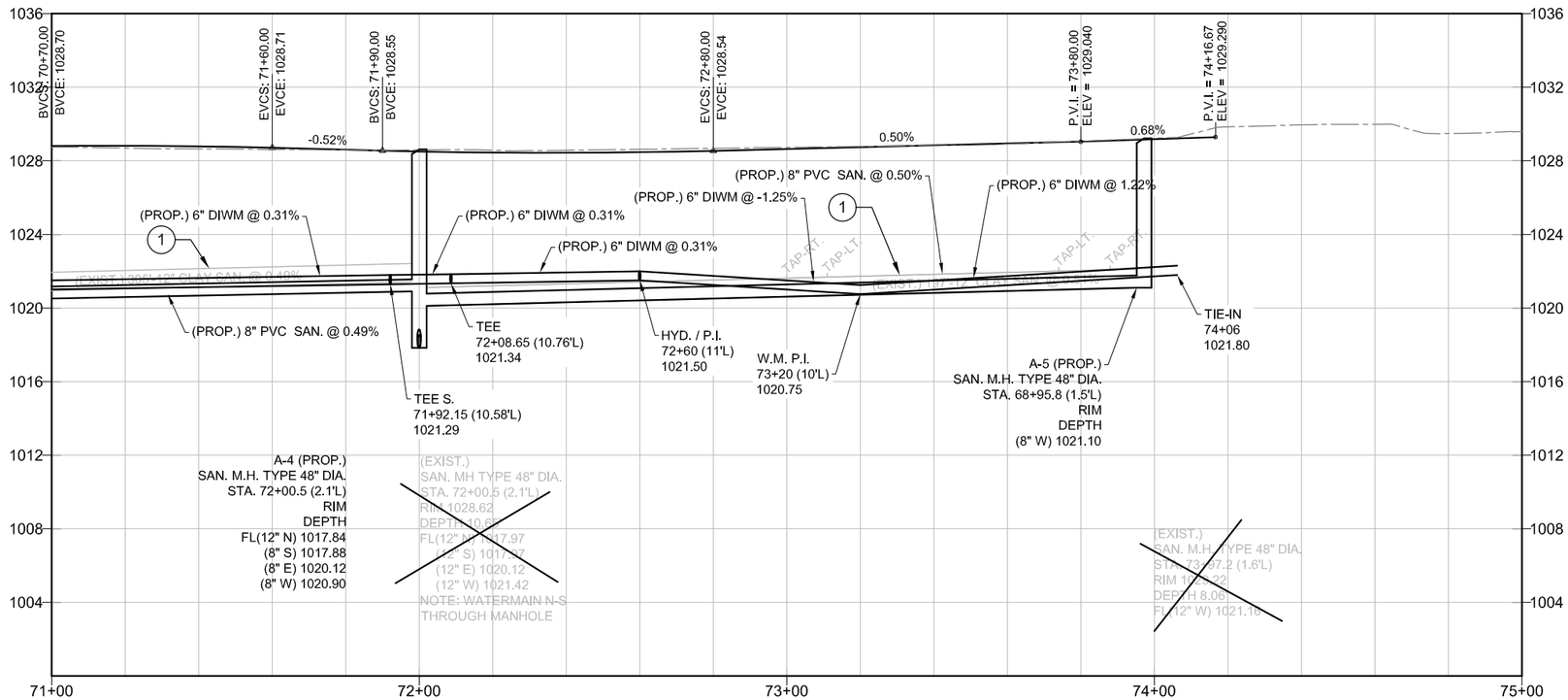
BY OTHERS. FOR INFORMATION ONLY.



N

1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.

(PROP.) WATER FITTINGS:
3-6"X6" TEES
4-6" VALVES
1-6"X4" REDUCER
1-6" HYDRANT

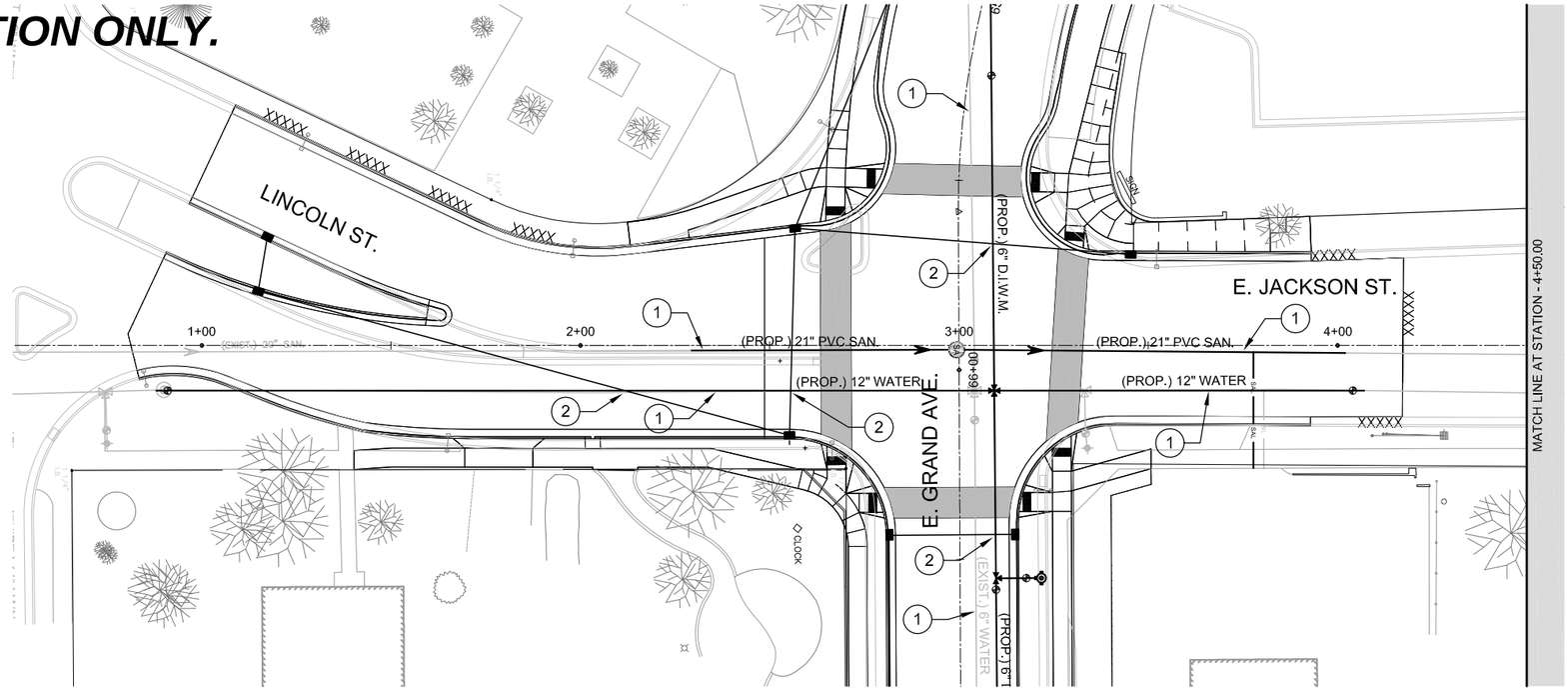


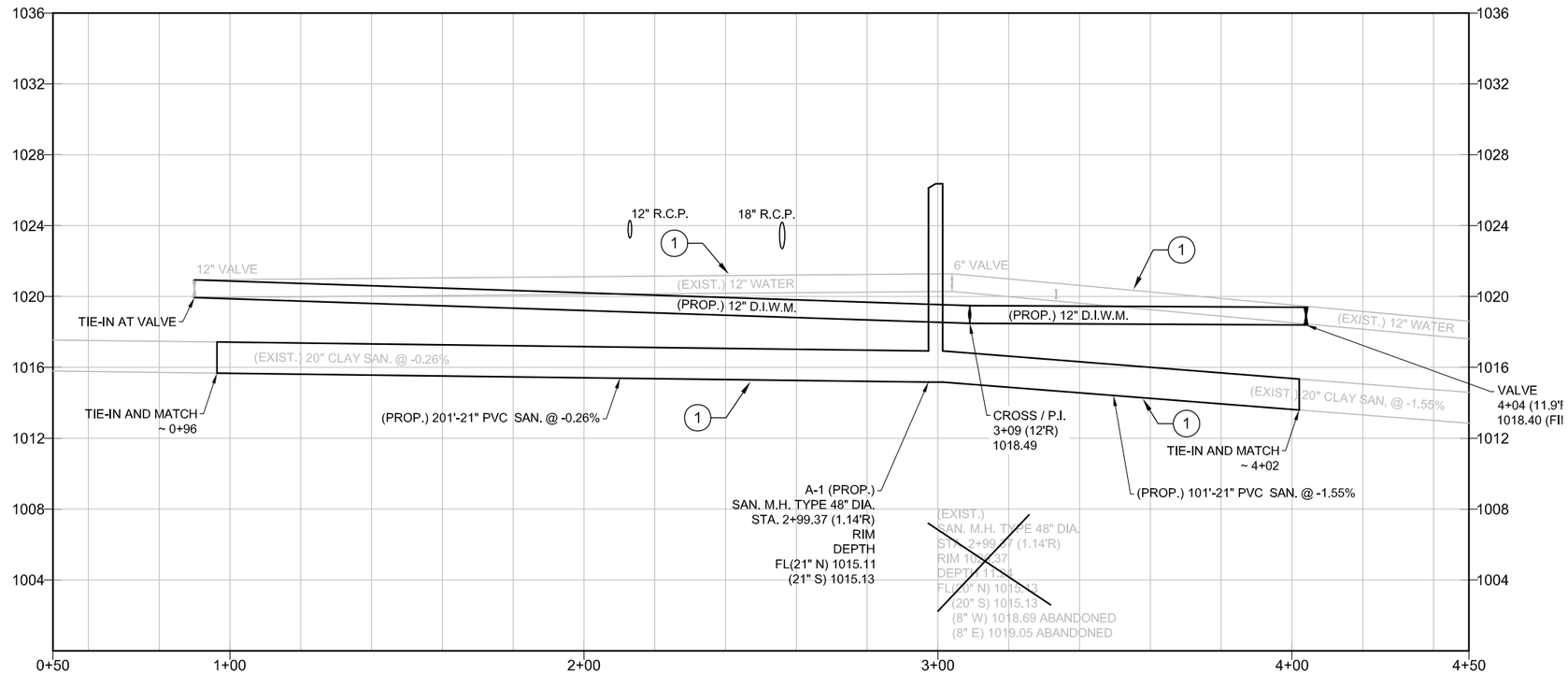
PROJECT NO:6999–07–89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 62	E

BY OTHERS. FOR INFORMATION ONLY.

2

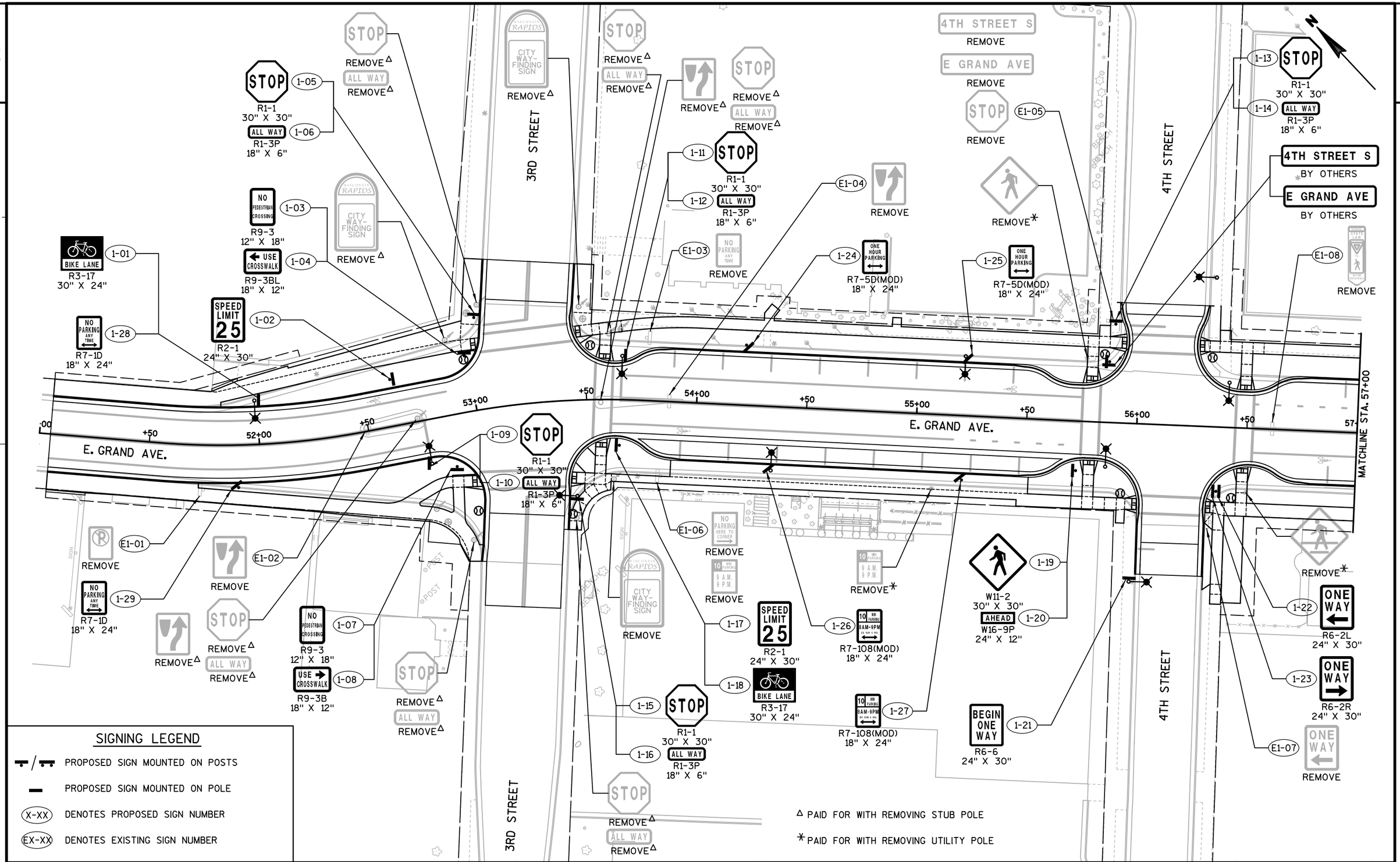
1. REMOVE EXISTING SANITARY AND/OR WATERMAIN.
2. INSULATE W.M. W / 2" POLYSTYRENE
3. VERIFY AND RE-CONNECT ALL ACTIVE SANITARY LATERALS. INSTALL 1" COPPER WATER SERVICES TO RIGHT-OF-WAY.
4. PROTECT PROPSED WATER MAIN WITH POLYETHYLENE ENCASEMENT AND NITRILE GASKETS.
5. CONNECT ACTIVE SANITARY LATERALS TO LINED SANITARY MAIN W / SADDLE WYE. (SEE DETAIL)
6. ABANDON / FILL EXISTING SANITARY MAIN WITH CEMENTITIOUS FLOWABLE FILL.





PROJECT NO:6999-07-88	HWY: 8TH STREET SOUTH	COUNTY: WOOD	EAST GRAND AVENUE SEWER AND WATER MAIN	SHEET 63	E

2



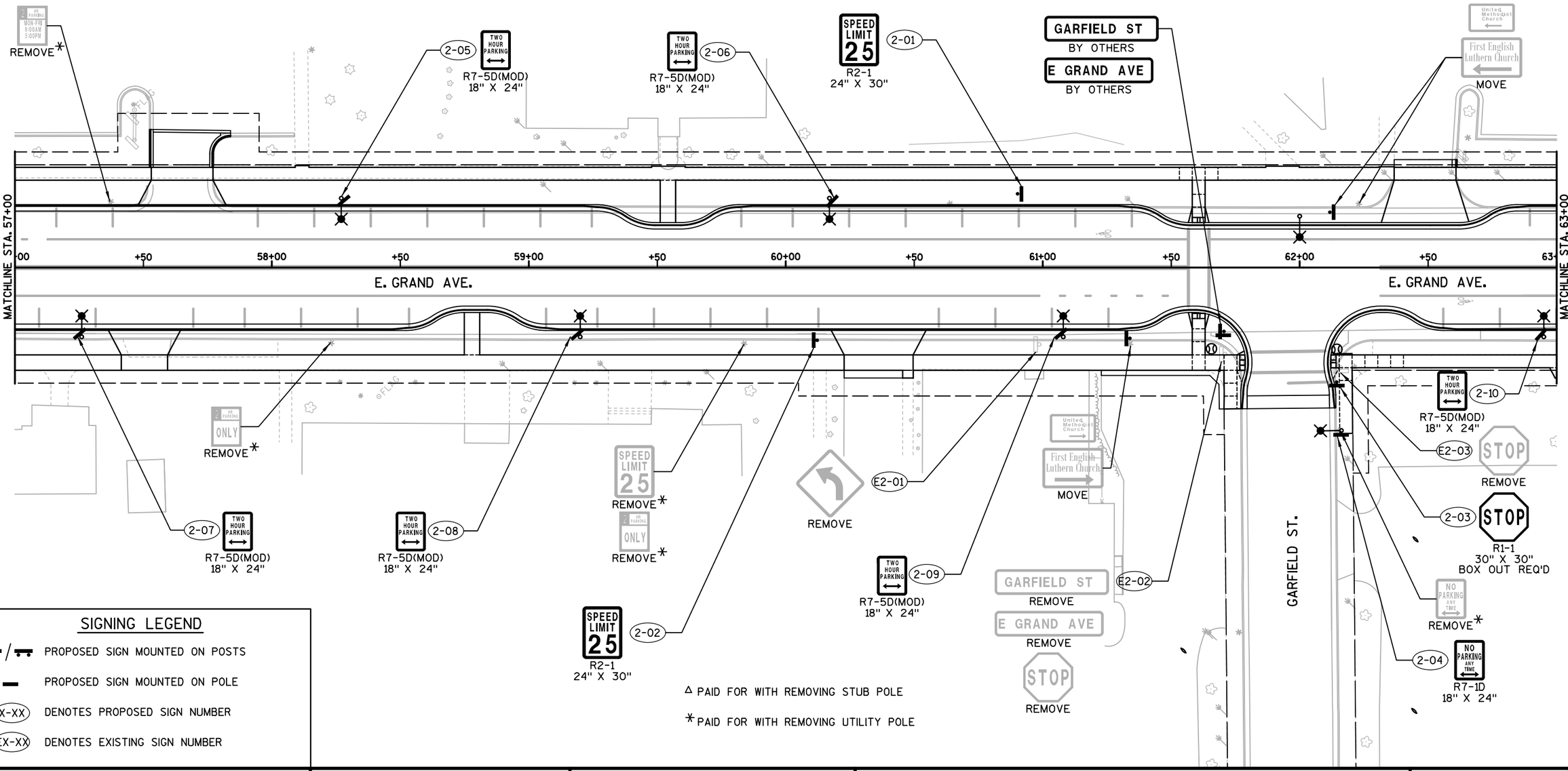
SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS
- PROPOSED SIGN MOUNTED ON POLE
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023201_ps.dgn PLOT DATE : 10/10/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS
- PROPOSED SIGN MOUNTED ON POLE
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER

△ PAID FOR WITH REMOVING STUB POLE

* PAID FOR WITH REMOVING UTILITY POLE

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PERMANENT SIGNING	SHEET 65	E

2

E3-01 REMOVE
3-01 W11-2 30" X 30" AHEAD W16-9P 24" X 8"
REMOVE NO PARKING THIS SIDE OF STREET
REMOVE ONLY
REMOVE ONLY
REMOVE
REMOVE
REMOVE
3-02 LEFT LANE MUST TURN LEFT R3-7L 30" X 30" BOX OUT REQ'D
3-03 STOP R1-1 30" X 30"
3-04 ALL WAY R1-3P 18" X 6"
3-06 TWO HOUR PARKING R7-5D(MOD) 18" X 24"
MATCHLINE STA. 63+00
E. JACKSON STREET
3-16 ONLY R3-8A 36" X 30" BOX OUT REQ'D
REMOVE
REMOVE
REMOVE
3-19 STOP R1-1 30" X 30"
3-20 ALL WAY R1-3P 18" X 6"
3-10 30 NO PARKING 8AM-10PM R7-108(MOD) 18" X 24"
REMOVE ONLY
REMOVE
SPEED LIMIT 25
REMOVE
6TH STREET S
REMOVE
E GRAND AVE
REMOVE
STOP
REMOVE
E3-05
6TH STREET
MATCHLINE STA. 69+00
3-21 BIKE LANE R3-17 30" X 24"
64+00
65+00
66+00
67+00
68+00
69+00
+50
E. GRAND AVE.
3-05 TWO HOUR PARKING R7-5D(MOD) 18" X 24"
3-11 30 NO PARKING 8AM-10PM R7-108(MOD) 18" X 24"
REMOVE
REMOVE
E3-07
REMOVE
3-24 W11-2 30" X 30" AHEAD W16-9P 24" X 12"
3-17 BIKE LANE R3-17 30" X 24"
3-25
E3-08
REMOVE AHEAD
REMOVE FINES HIGHER
REMOVE
3-12 NO PARKING ANY TIME R7-1D 18" X 24"
3-18 SPEED LIMIT 25 R2-1 24" X 30"
REMOVE
REMOVE
REMOVE
3-09 TWO-HOUR PARKING R7-5D(MOD) 18" X 24"
E3-02
REMOVE
E3-03
REMOVE
3-07 STOP R1-1 30" X 30"
3-08 ALL WAY R1-3P 18" X 6"
3-22 STOP R1-1 30" X 30"
3-23 ALL WAY R1-3P 18" X 6"
E3-06
LINCOLN STREET
E3-04 LINCOLN ST REMOVE
E GRAND AVE REMOVE
REMOVE
REMOVE
LEFT LANE MUST TURN LEFT
REMOVE
3-14 R5-2 24" X 24"
3-15 5 TONS OR OVER R5-2A 24" X 12" BOX OUT REQ'D
E3-06
REMOVE
5 TONS OR OVER
REMOVE
END SCHOOL ZONE
REMOVE
3-26 END SCHOOL ZONE S5-2 24" X 30"
3-27 R4-7 24" X 30"
3-28 ONLY R3-8A 36" X 30"
3-29 LEFT LANE MUST TURN LEFT R3-7L 30" X 30"
BEGIN ONE WAY R6-6 24" X 30"
3-13
6TH STREET
N

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS
- PROPOSED SIGN MOUNTED ON POLE
- X-XX DENOTES PROPOSED SIGN NUMBER
- EX-XX DENOTES EXISTING SIGN NUMBER

△ PAID FOR WITH REMOVING STUB POLE

* PAID FOR WITH REMOVING UTILITY POLE

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PERMANENT SIGNING	SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023203_ps.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

N

6TH STREET

7TH STREET

8TH STREET

E. GRAND AVE.

MATCHLINE STA. 69+00

70+00 +50 71+00 +50 72+00 +50 73+00 +50 74+00 +50

4-01 ONE WAY R6-2R 24" X 30"

4-02 ONE WAY R6-2L 24" X 30"

SPEED LIMIT 25 REMOVE*

4-03 STOP R1-1 30" X 30"

E4-03 STOP REMOVE

4-20 NO PARKING ANY TIME R7-1D 18" X 24"

4-04 S1-1 36" X 36"

4-05 AHEAD S16-9P 30" X 18"

4-06 FINES HIGHER R2-6P 24" X 18"

E4-04 REMOVE AHEAD REMOVE FINES HIGHER REMOVE

4-07 W11-2 30" X 30"

4-08 AHEAD W16-9P 24" X 12"

E4-08 ONLY ONLY ONLY REMOVE REMOVE REMOVE

VISITOR INFO REMOVE

4-09 SPEED LIMIT 25 R2-1 24" X 30"

4-10 BIKE LANE R3-17 30" X 24"

4-13 SPEED LIMIT 25 R2-1 24" X 30"

4-19 TWO HOUR PARKING R7-5R(MOD) 18" X 24"

4-14 DO NOT ENTER R5-1 30" X 30"

4-15 END ONE WAY R6-7 24" X 30"

4-16 ONE WAY R6-1L 36" X 12"

4-17 ONE WAY R6-1R 36" X 12"

E4-01 ONE WAY REMOVE

4-12 ONE WAY R6-2R 24" X 30"

E4-02 REMOVE REMOVE

4-11 NO PARKING ANY TIME R7-1D 18" X 24"

E4-05 ONE WAY REMOVE

E4-06 DO NOT ENTER REMOVE

4-21 NO PARKING ANY TIME R7-1D 18" X 24"

E4-07 7TH STREET S REMOVE

E GRAND AVE REMOVE

4-18 ONLY ONLY ONLY R3-8W 54" X 30"

7TH STREET S BY OTHERS

E GRAND AVE BY OTHERS

STOP REMOVE

ONE WAY REMOVE

SIGNING LEGEND

- PROPOSED SIGN MOUNTED ON POSTS
- PROPOSED SIGN MOUNTED ON POLE
- (X-XX) DENOTES PROPOSED SIGN NUMBER
- (EX-XX) DENOTES EXISTING SIGN NUMBER

△ PAID FOR WITH REMOVING STUB POLE

* PAID FOR WITH REMOVING UTILITY POLE

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PERMANENT SIGNING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023204_ps.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

STREET LIGHTING LEGEND

- LIGHT UNIT WISCONSIN RAPIDS
- PULL BOXES STEEL 24X42-INCH, LPB-XX
- CONTROL CABINET
  ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH UNLESS OTHERWISE NOTED.

STA. XX+XX.XX, XX.X' LT
- STATION AND SETBACK DISTANCE FROM REFERENCE LINE

LP-XX LCB-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED-12-1,3-X
- FESTOON CIRCUIT NUMBER
- CIRCUIT NUMBERS
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE

3RD STREET

4TH STREET

E. GRAND AVE.

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

CHARTER COMMUNICATIONS (COMMUNICATIONS)

SOLARUS (COMMUNICATION)

LPB-28

STA. 51+98.57, 20.0' LT
LP-34, LCB-1
III-112-6-18,20-15

LPB-26

STA. 53+65.87, 19.9' LT
LP-31, LCB-1
III-112-6-18,20-15

STA. 55+21.00, 27.0' LT
LP-29, LCB-1
III-112-6-18,20-15

LPB-23

STA. 56+33.57, 67.8' LT
LP-26, LCB-1
III-112-6-18,20-15

LPB-22

STA. 56+41.27, 20.3' LT
LP-25, LCB-1
III-112-6-18,20-15

2-3" SCHEDULE 80 NON-METALLIC CONDUIT

MATCHLINE STA. 57+00

WE ENERGIES (GAS)

STA. 52+75.55, 20.0' RT
LP-33, LCB-1
III-112-6-6,8-9

LPB-27

STA. 53+44.02, 43.5' RT
LP-32, LCB-1
III-112-6-6,8-9

LPB-25

STA. 54+35.00, 29.0' RT
LP-30, LCB-1
III-112-6-6,8-9

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

STA. 55+85.40, 20.1' RT
LP-28, LCB-1
III-112-6-6,8-9

LPB-24

STA. 55+99.23, 71.7' RT
LP-27, LCB-1
III-112-6-6,8-9

LPB-21

SOLARUS (COMMUNICATION)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

QUANTITY OF CONDUCTORS (TYP)
SIZE (AWG) OF CONDUCTORS (TYP)

LUMINAIRE CIRCUIT	2	#4
FESTOON CIRCUIT	2	#4
SPARE CIRCUIT	2	#4
GROUND	1	#4

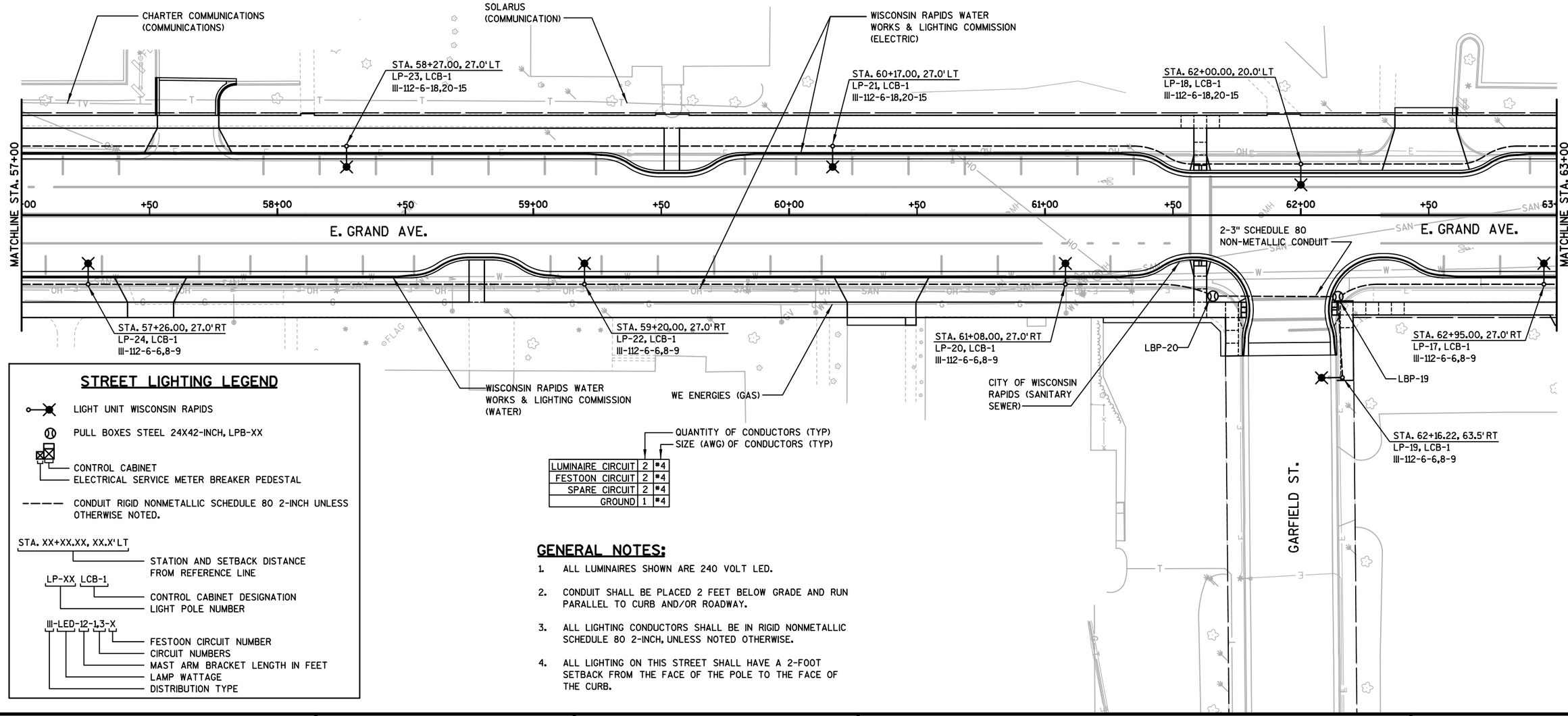
GENERAL NOTES:

1. ALL LUMINAIRES SHOWN ARE 240 VOLT LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE IN RIGID NONMETALLIC SCHEDULE 80 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS STREET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF THE CURB.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LIGHTING PLAN	SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023501_lp.dgn PLOT DATE : 10/10/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2



STREET LIGHTING LEGEND

- LIGHT UNIT WISCONSIN RAPIDS
- PULL BOXES STEEL 24X42-INCH, LPB-XX
- CONTROL CABINET
  ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH UNLESS OTHERWISE NOTED.

STA. XX+XX.XX, XX.X' LT
- STATION AND SETBACK DISTANCE FROM REFERENCE LINE

LP-XX LCB-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED-12-1,3-X
- FESTOON CIRCUIT NUMBER
- CIRCUIT NUMBERS
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE

	QUANTITY OF CONDUCTORS (TYP)	SIZE (AWG) OF CONDUCTORS (TYP)
LUMINAIRE CIRCUIT	2	#4
FESTOON CIRCUIT	2	#4
SPARE CIRCUIT	2	#4
GROUND	1	#4

GENERAL NOTES:

1. ALL LUMINAIRES SHOWN ARE 240 VOLT LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE IN RIGID NONMETALLIC SCHEDULE 80 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS STREET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF THE CURB.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LIGHTING PLAN	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023502_lp.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

GENERAL NOTES:

1. ALL LUMINAIRES SHOWN ARE 240 VOLT LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE IN RIGID NONMETALLIC SCHEDULE 80 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS STREET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF THE CURB.

E. JACKSON STREET

6TH STREET

WE ENERGIES (GAS)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

SOLARUS (COMMUNICATION)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

MATCHLINE STA. 63+00

MATCHLINE STA. 69+00

STA. 63+96.60, 27.0'LT
LP-16, LCB-1
III-112-6-18,20-15

STA. 65+41.50, 21.6'LT
LP-14, LCB-1
III-112-6-18,20-15

STA. 67+05.00, 23.4'LT
LP-12, LCB-1
III-112-8-18,20-15

STA. 68+62.00, 17.5'LT
LP-10, LCB-1
III-112-8-18,20-15

LPB-13

LPB-16

LPB-18

LPB-14

LPB-15

LPB-17

E. GRAND AVE.

63+00 64+00 65+00 66+00 67+00 68+00 69+00 +50

2-3" SCHEDULE 80 NON-METALLIC CONDUIT

STA. 67+94.00, 22.0'RT
LP-11, LCB-1
III-112-8-6,8-9

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

STA. 66+42.45, 22.3'RT
LP-13, LCB-1
III-112-6-6,8-9

STA. 64+90.84, 27.0'RT
LP-15, LCB-1
III-112-6-6,8-9

LINCOLN STREET

LIGHTING POLE INSTALLED BY OTHERS

STREET LIGHTING LEGEND

- LIGHT UNIT WISCONSIN RAPIDS
- PULL BOXES STEEL 24X42-INCH, LPB-XX
- CONTROL CABINET
  ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH UNLESS OTHERWISE NOTED.

STA. XX+XX.XX, XX.X'LT
- STATION AND SETBACK DISTANCE FROM REFERENCE LINE

LP-XX LCB-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED-12-1,3-X
- FESTOON CIRCUIT NUMBER
- CIRCUIT NUMBERS
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE

QUANTITY OF CONDUCTORS (TYP)
SIZE (AWG) OF CONDUCTORS (TYP)

LUMINAIRE CIRCUIT	2	#4
FESTOON CIRCUIT	2	#4
SPARE CIRCUIT	2	#4
GROUND	1	#4

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LIGHTING PLAN	SHEET 70	E

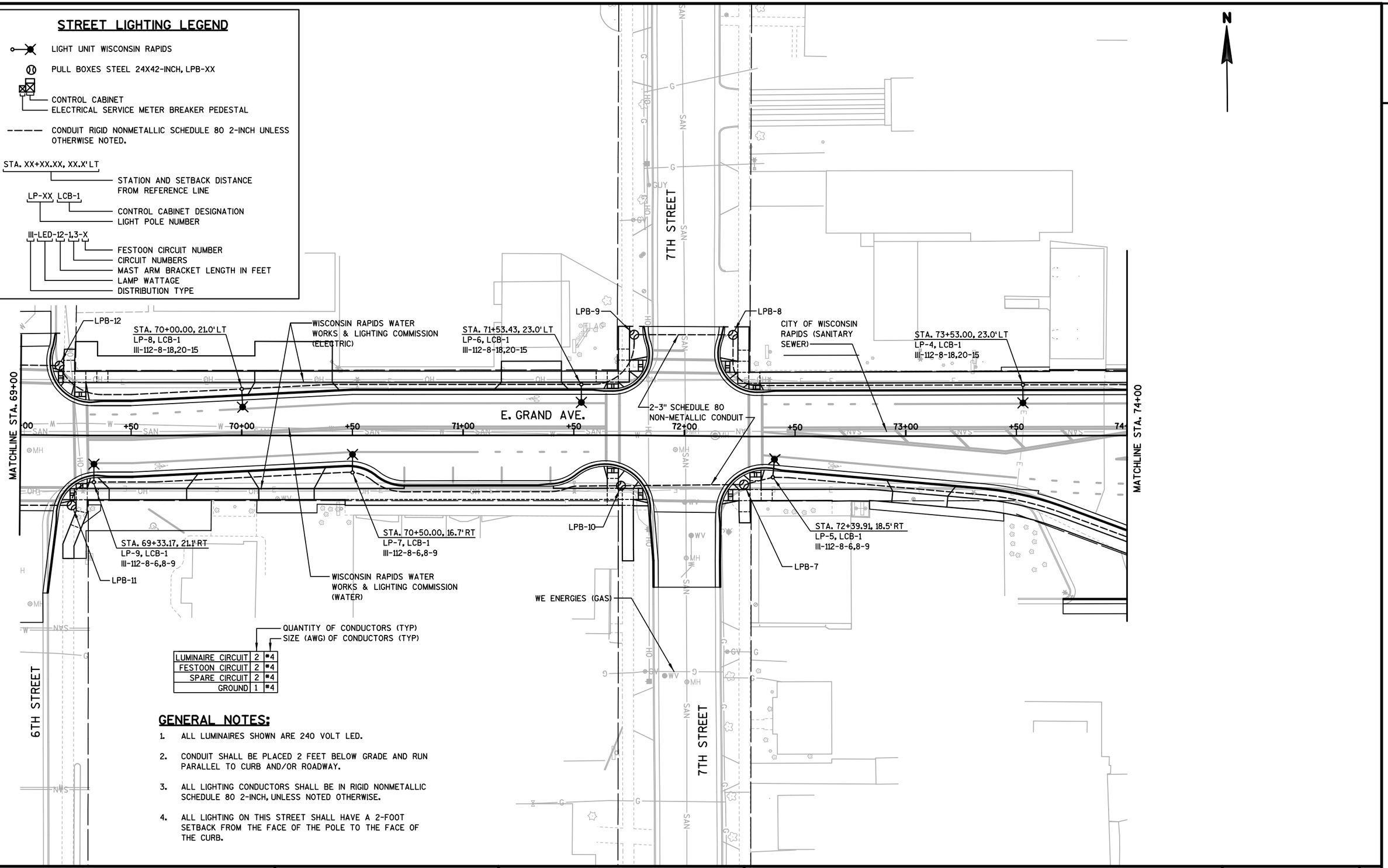
STREET LIGHTING LEGEND

- LIGHT UNIT WISCONSIN RAPIDS
- PULL BOXES STEEL 24X42-INCH, LPB-XX
- CONTROL CABINET
  ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH UNLESS OTHERWISE NOTED.

STA. XX+XX.XX, XX.X' LT
- STATION AND SETBACK DISTANCE FROM REFERENCE LINE

LP-XX LCB-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED-12-1.3-X
- FESTOON CIRCUIT NUMBER
- CIRCUIT NUMBERS
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE



	QUANTITY OF CONDUCTORS (TYP)	SIZE (AWG) OF CONDUCTORS (TYP)
LUMINAIRE CIRCUIT	2	#4
FESTOON CIRCUIT	2	#4
SPARE CIRCUIT	2	#4
GROUND	1	#4

GENERAL NOTES:

1. ALL LUMINAIRES SHOWN ARE 240 VOLT LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE IN RIGID NONMETALLIC SCHEDULE 80 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS STREET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF THE CURB.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LIGHTING PLAN	SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023504_lp.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2

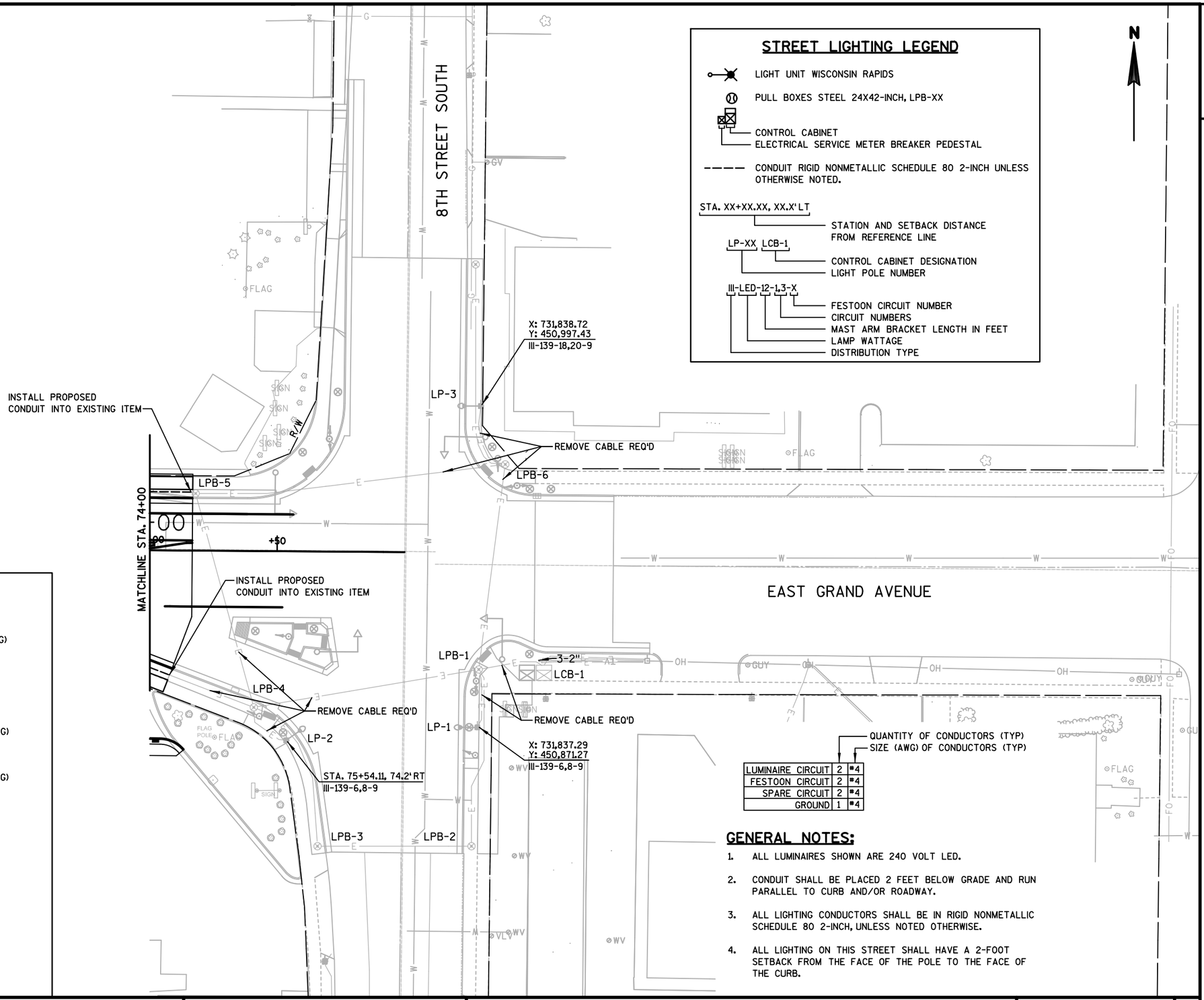
STREET LIGHTING LEGEND

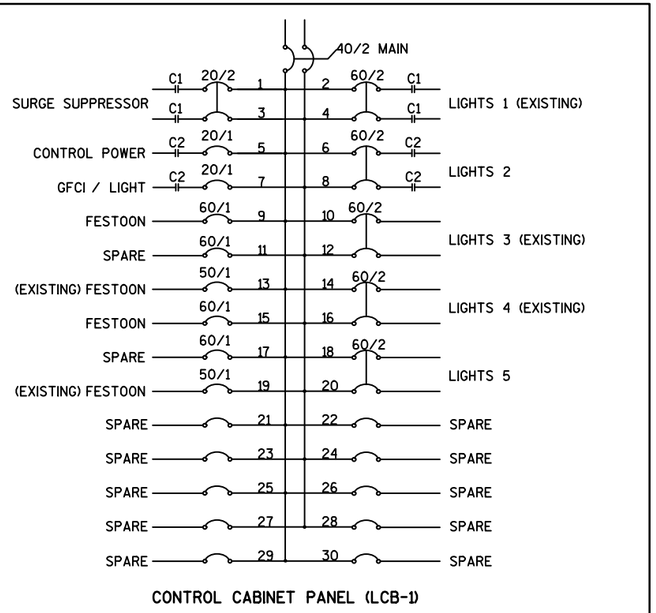
- LIGHT UNIT WISCONSIN RAPIDS
- PULL BOXES STEEL 24X42-INCH, LPB-XX
- CONTROL CABINET
  ELECTRICAL SERVICE METER BREAKER PEDESTAL
- CONDUIT RIGID NONMETALLIC SCHEDULE 80 2-INCH UNLESS OTHERWISE NOTED.

STA. XX+XX.XX, XX.X' LT
- STATION AND SETBACK DISTANCE FROM REFERENCE LINE

LP-XX LCB-1
- CONTROL CABINET DESIGNATION
- LIGHT POLE NUMBER

III-LED-12-1,3-X
- FESTOON CIRCUIT NUMBER
- CIRCUIT NUMBERS
- MAST ARM BRACKET LENGTH IN FEET
- LAMP WATTAGE
- DISTRIBUTION TYPE





CONTROL CABINET PANEL (LCB-1)

	QUANTITY OF CONDUCTORS (TYP)	SIZE (AWG) OF CONDUCTORS (TYP)
LUMINAIRE CIRCUIT	2	#4
FESTOON CIRCUIT	2	#4
SPARE CIRCUIT	2	#4
GROUND	1	#4

GENERAL NOTES:

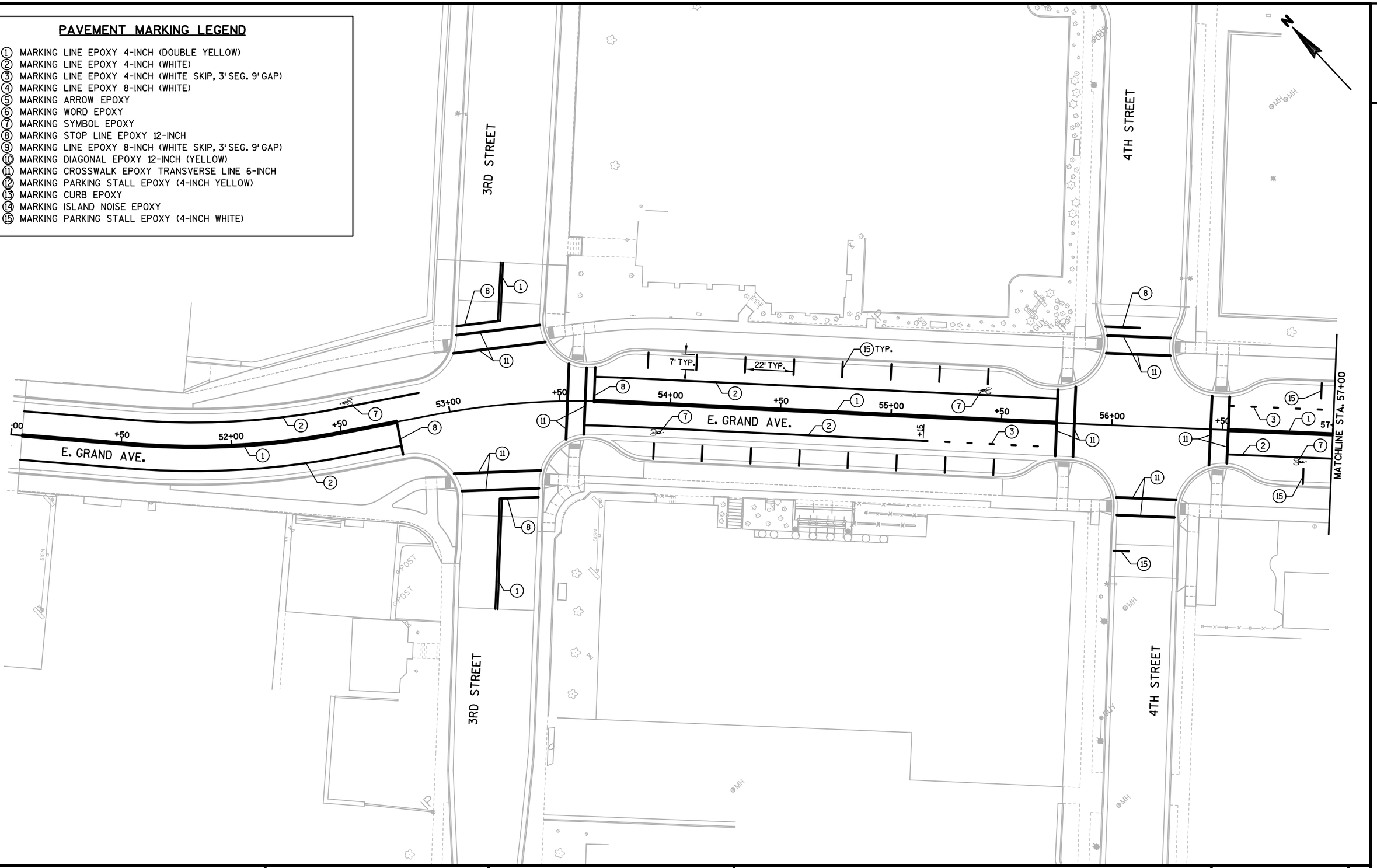
1. ALL LUMINAIRES SHOWN ARE 240 VOLT LED.
2. CONDUIT SHALL BE PLACED 2 FEET BELOW GRADE AND RUN PARALLEL TO CURB AND/OR ROADWAY.
3. ALL LIGHTING CONDUCTORS SHALL BE IN RIGID NONMETALLIC SCHEDULE 80 2-INCH, UNLESS NOTED OTHERWISE.
4. ALL LIGHTING ON THIS STREET SHALL HAVE A 2-FOOT SETBACK FROM THE FACE OF THE POLE TO THE FACE OF THE CURB.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	LIGHTING PLAN	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\023505_lp.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG. 9' GAP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING ARROW EPOXY
6. MARKING WORD EPOXY
7. MARKING SYMBOL EPOXY
8. MARKING STOP LINE EPOXY 12-INCH
9. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG. 9' GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
12. MARKING PARKING STALL EPOXY (4-INCH YELLOW)
13. MARKING CURB EPOXY
14. MARKING ISLAND NOISE EPOXY
15. MARKING PARKING STALL EPOXY (4-INCH WHITE)

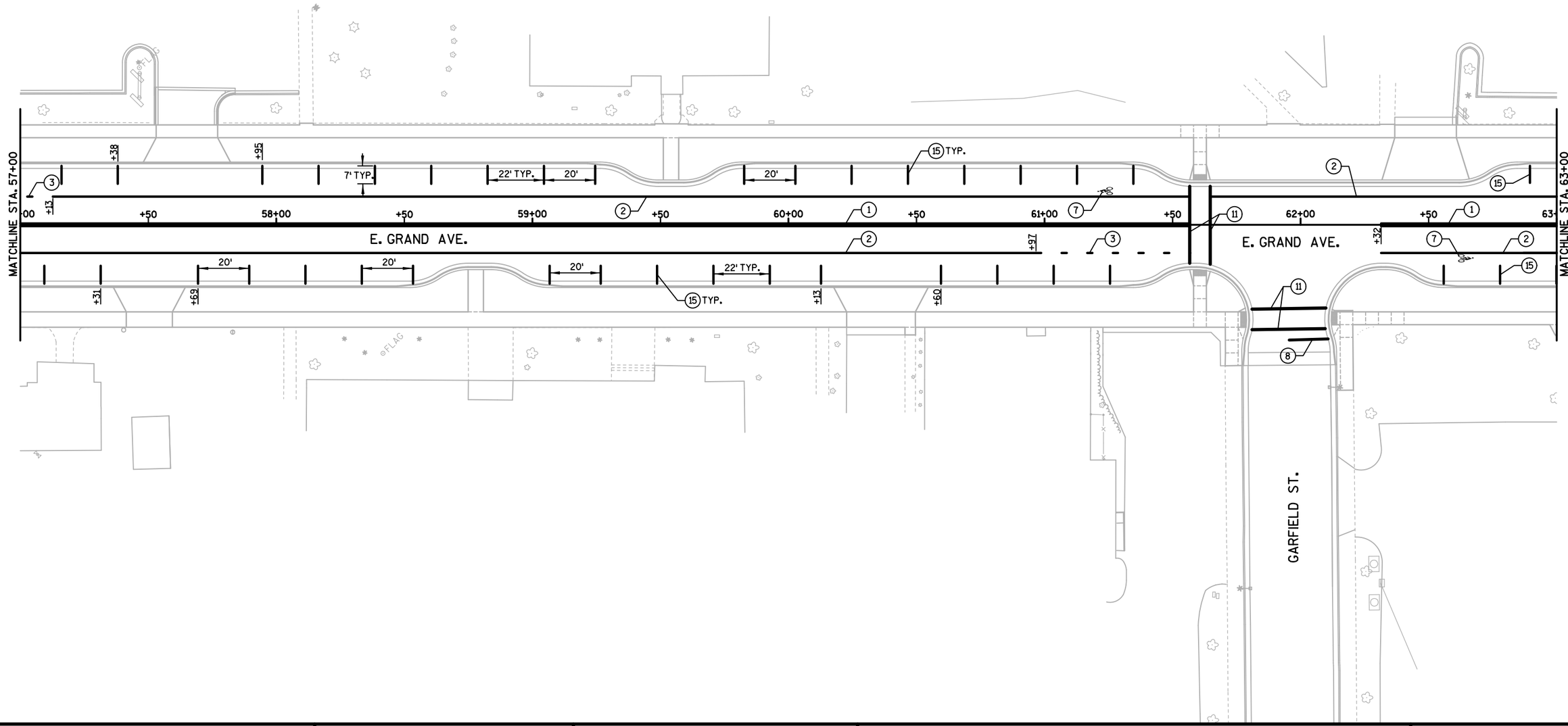


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\024501_pm.dgn PLOT DATE : 10/10/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

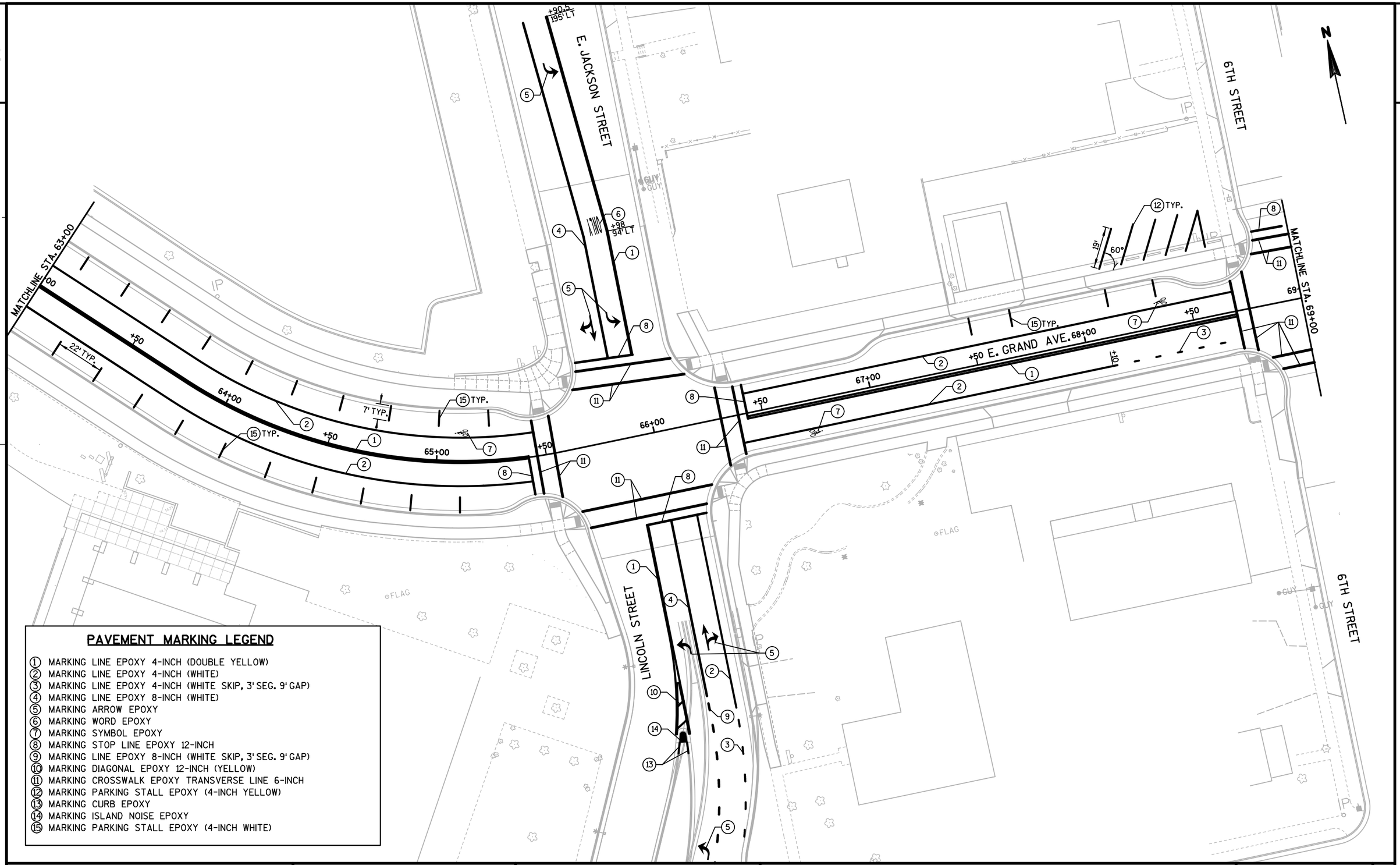
PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG. 9' GAP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING ARROW EPOXY
6. MARKING WORD EPOXY
7. MARKING SYMBOL EPOXY
8. MARKING STOP LINE EPOXY 12-INCH
9. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG. 9' GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
12. MARKING PARKING STALL EPOXY (4-INCH YELLOW)
13. MARKING CURB EPOXY
14. MARKING ISLAND NOISE EPOXY
15. MARKING PARKING STALL EPOXY (4-INCH WHITE)



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PAVEMENT MARKING	SHEET 74	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\024502_pm.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG. 9' GAP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING ARROW EPOXY
6. MARKING WORD EPOXY
7. MARKING SYMBOL EPOXY
8. MARKING STOP LINE EPOXY 12-INCH
9. MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3' SEG. 9' GAP)
10. MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
11. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
12. MARKING PARKING STALL EPOXY (4-INCH YELLOW)
13. MARKING CURB EPOXY
14. MARKING ISLAND NOISE EPOXY
15. MARKING PARKING STALL EPOXY (4-INCH WHITE)

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PAVEMENT MARKING	SHEET 75	E

2

6TH STREET

7TH STREET

8TH STREET

E. GRAND AVE.

MATCHLINE STA. 69+00

70+00

71+00

72+00

73+00

74+00

+50

+90

+95

+05

25'

~45°

22' TYP.

7' TYP.

15 TYP.

POST

GUY

FLAG

SIGN

MH

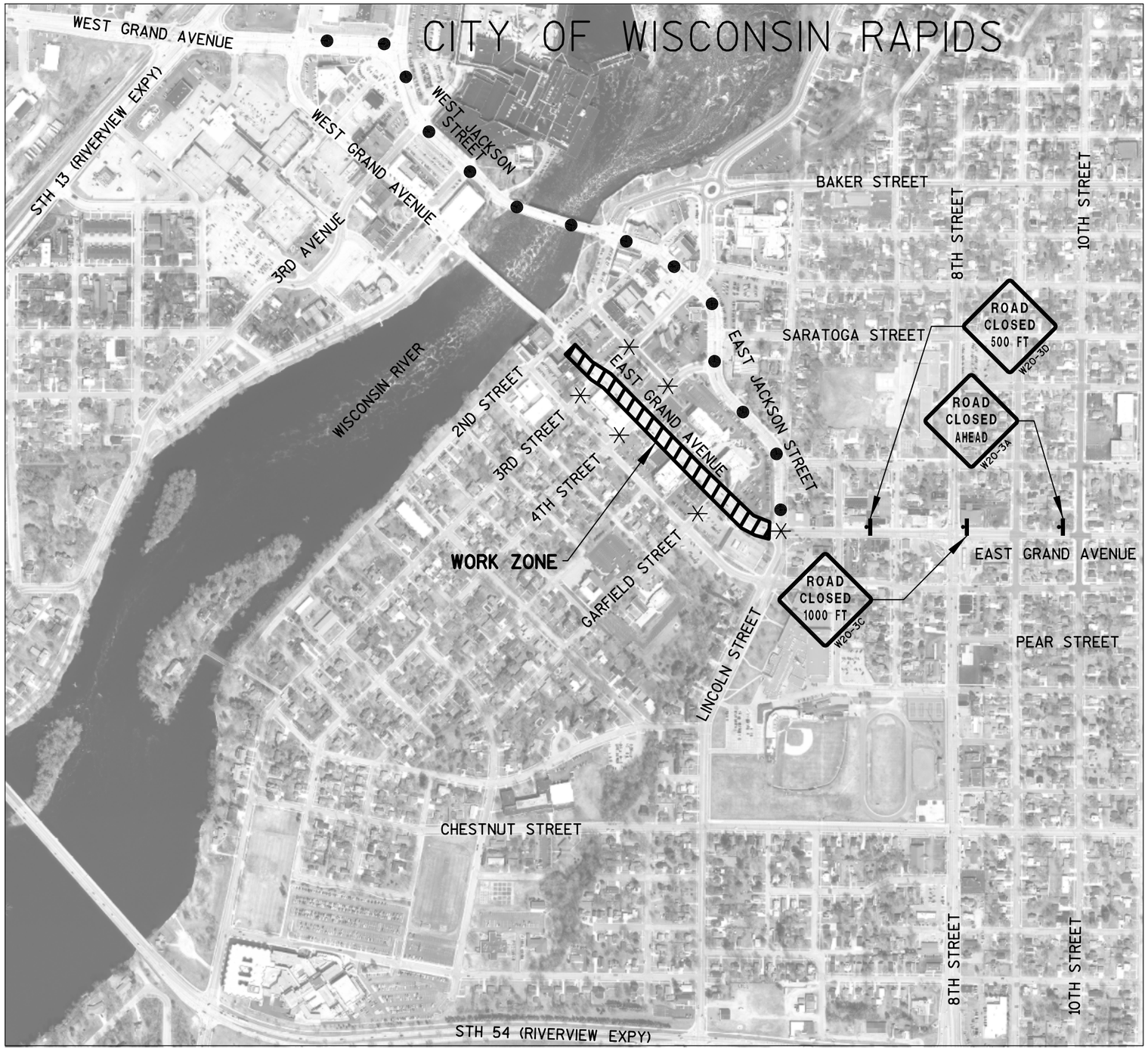
N

PAVEMENT MARKING LEGEND

1. MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
2. MARKING LINE EPOXY 4-INCH (WHITE)
3. MARKING LINE EPOXY 4-INCH (WHITE SKIP, 3' SEG. 9' GAP)
4. MARKING LINE EPOXY 8-INCH (WHITE)
5. MARKING ARROW EPOXY
6. MARKING WORD EPOXY
7. MARKING SYMBOL EPOXY
8. MARKING STOP LINE EPOXY 12-INCH
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11. MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH
12. MARKING PARKING STALL EPOXY (4-INCH YELLOW)
13. MARKING CURB EPOXY
14. MARKING ISLAND NOISE EPOXY
15. MARKING PARKING STALL EPOXY (4-INCH WHITE)

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\024504_pm.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



LEGEND

- WOOD POST WITH ATTACHED SIGN
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHTS TYPE A REQ'D.)
- DETOUR ROUTE
- WOOD POST WITH ATTACHED SIGN

N

* FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS: "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 AND "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL D

GENERAL NOTES FOR TRAFFIC CONTROL

SEE DETOUR SIGNING PLAN FOR ADDITIONAL INFORMATION.

ALL SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC., SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

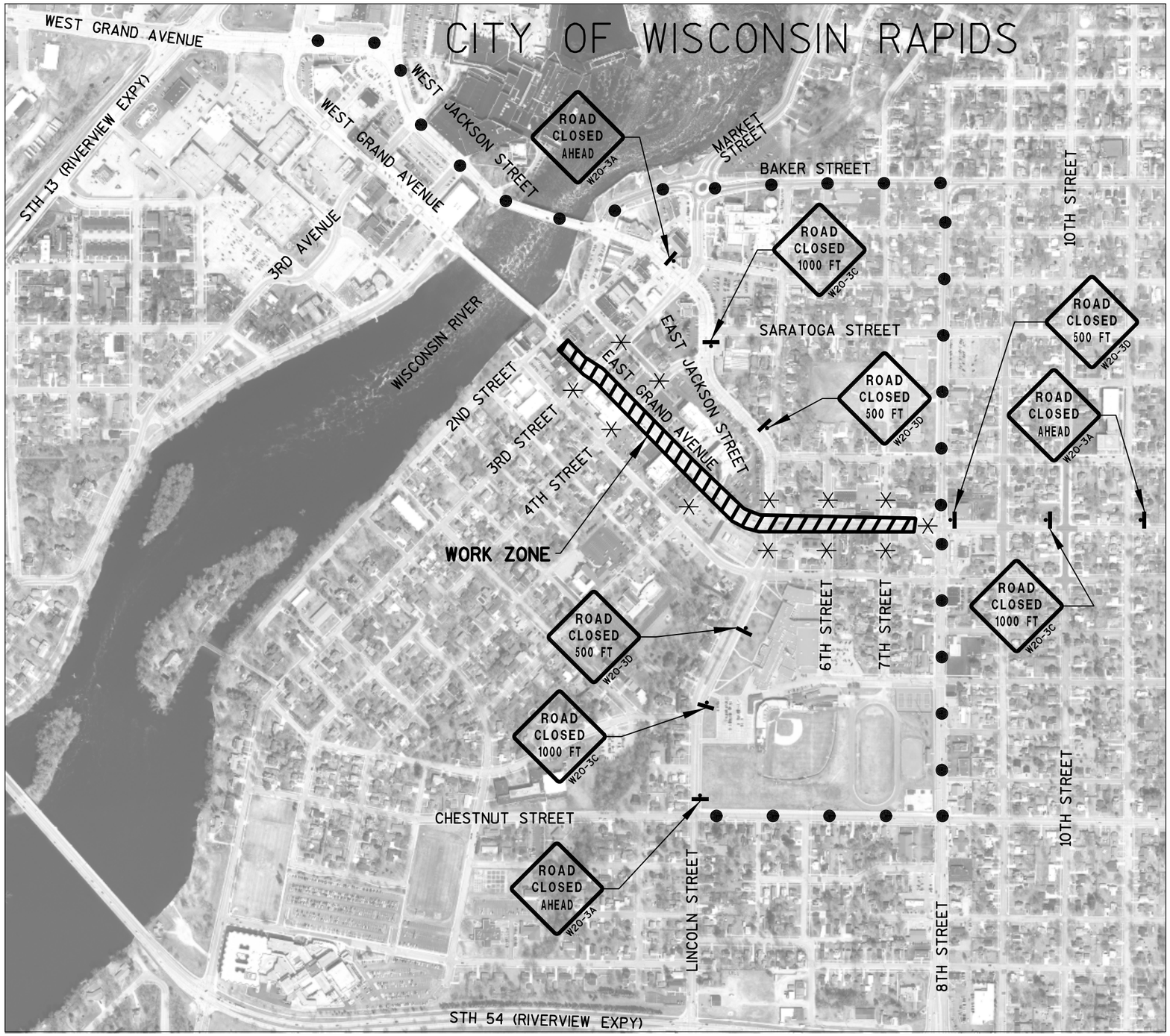
"WO" SERIES SIGNS ARE "W" SERIES EXCEPT THE BACKGROUND IS ORANGE.

LOCAL ACCESS SHALL BE MAINTAINED AT ALL TIMES.

TYPE III BARRICADES MAY BE SUBSTITUTED FOR POST MOUNTED SIGNS IN SITUATIONS WHERE SIGN LOCATIONS ARE CONTINUALLY MOVING. (TEMPORARY SIGN SUPPORT MAY ALSO BE USED.)

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

CITY OF WISCONSIN RAPIDS



N

LEGEND

- WOOD POST WITH ATTACHED SIGN
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHTS TYPE A REQ'D.)
- DETOUR ROUTE
- WOOD POST WITH ATTACHED SIGN

* FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS: "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 AND "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL D

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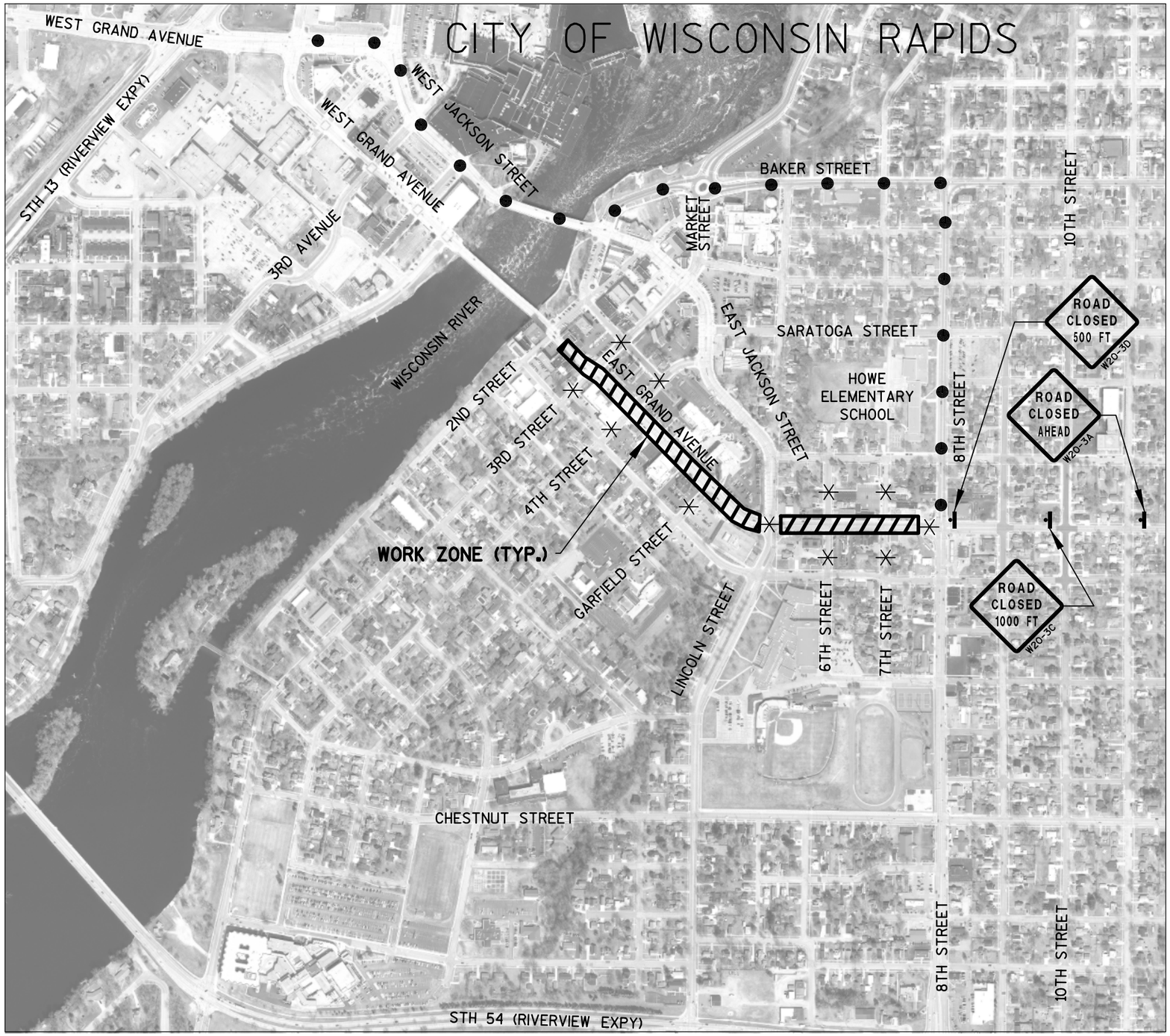
"WO" SERIES SIGNS ARE "W" SERIES EXCEPT THE BACKGROUND IS ORANGE.

LOCAL ACCESS SHALL BE MAINTAINED AT ALL TIMES.

TYPE III BARRICADES MAY BE SUBSTITUTED FOR POST MOUNTED SIGNS IN SITUATIONS WHERE SIGN LOCATIONS ARE CONTINUALLY MOVING. (TEMPORARY SIGN SUPPORT MAY ALSO BE USED.)

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

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	ADVANCED WARNING - STAGE 2A	SHEET 78	E



N

LEGEND

- WOOD POST WITH ATTACHED SIGN
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHTS TYPE A REQ'D.)
- DETOUR ROUTE
- WOOD POST WITH ATTACHED SIGN

* FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS: "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES" DETAIL 4 AND "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" DETAIL D

GENERAL NOTES FOR TRAFFIC CONTROL

SEE DETOUR SIGNING PLAN FOR ADDITIONAL INFORMATION.

ALL SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.

ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC., SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.

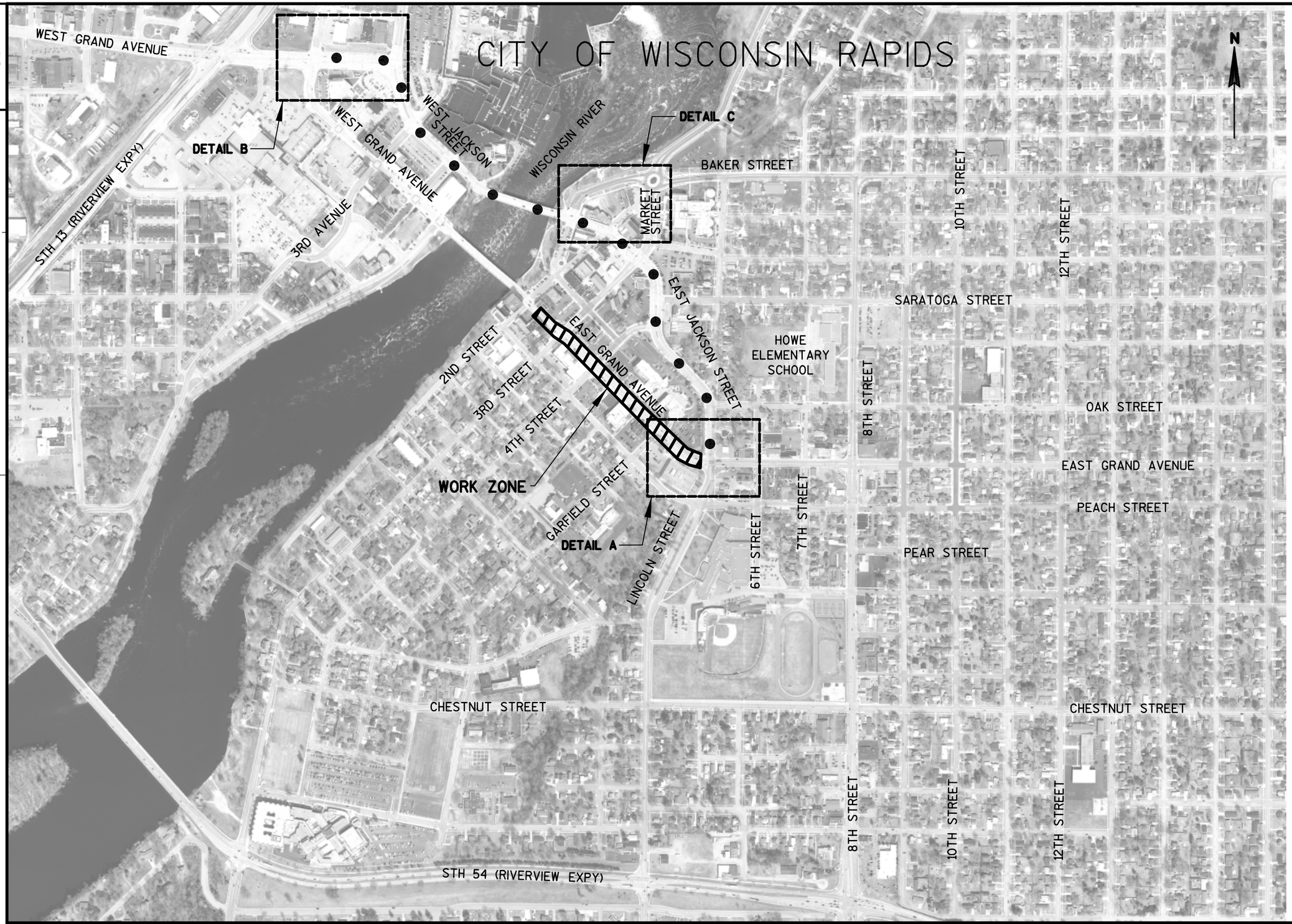
"WO" SERIES SIGNS ARE "W" SERIES EXCEPT THE BACKGROUND IS ORANGE.

LOCAL ACCESS SHALL BE MAINTAINED AT ALL TIMES.

TYPE III BARRICADES MAY BE SUBSTITUTED FOR POST MOUNTED SIGNS IN SITUATIONS WHERE SIGN LOCATIONS ARE CONTINUALLY MOVING. (TEMPORARY SIGN SUPPORT MAY ALSO BE USED.)

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

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	ADVANCED WARNING - STAGE 2B	SHEET 79	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR OVERVIEW - STAGE 1	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027000_dt_Detour Overview_Stage 1.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

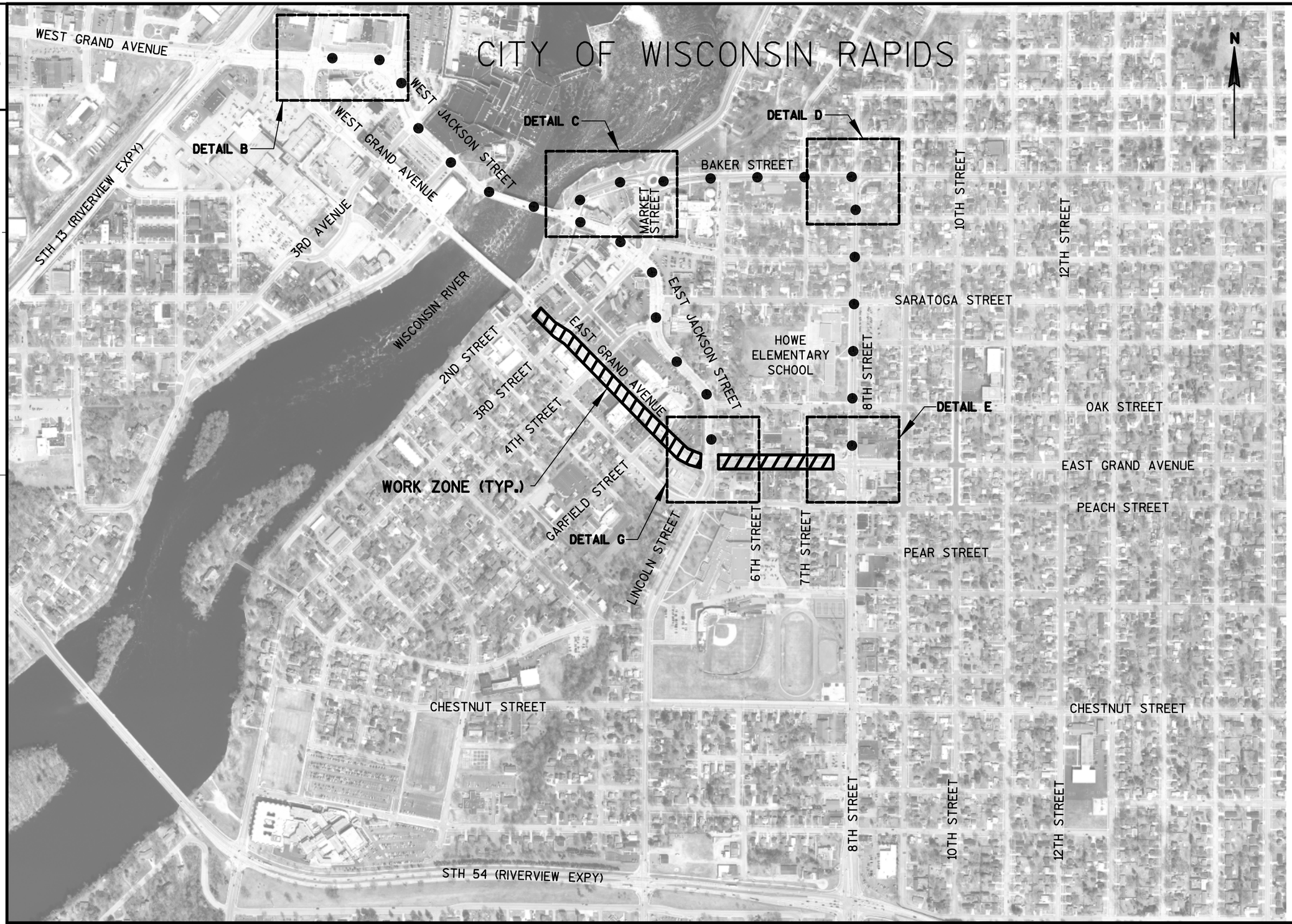
WISDOT/CADDS SHEET 42

CITY OF WISCONSIN RAPIDS

WEST GRAND AVENUE
STH 13 (RIVERVIEW EXPY)
DETAIL B
WEST GRAND AVENUE
WEST JACKSON STREET
3RD AVENUE
DETAIL C
MARKET STREET
DETAIL D
BAKER STREET
10TH STREET
12TH STREET
WISCONSIN RIVER
2ND STREET
3RD STREET
4TH STREET
EAST GRAND AVENUE
EAST JACKSON STREET
SARATOGA STREET
HOWE ELEMENTARY SCHOOL
8TH STREET
DETAIL E
OAK STREET
EAST GRAND AVENUE
PEACH STREET
WORK ZONE
GARFIELD STREET
LINCOLN STREET
6TH STREET
7TH STREET
PEAR STREET
DETAIL F
CHESTNUT STREET
CHESTNUT STREET
8TH STREET
10TH STREET
12TH STREET
STH 54 (RIVERVIEW EXPY)
N
DETOUR ROUTE

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR OVERVIEW - STAGE 2A	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027010_dt_Detour Overview_Stage 2A.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

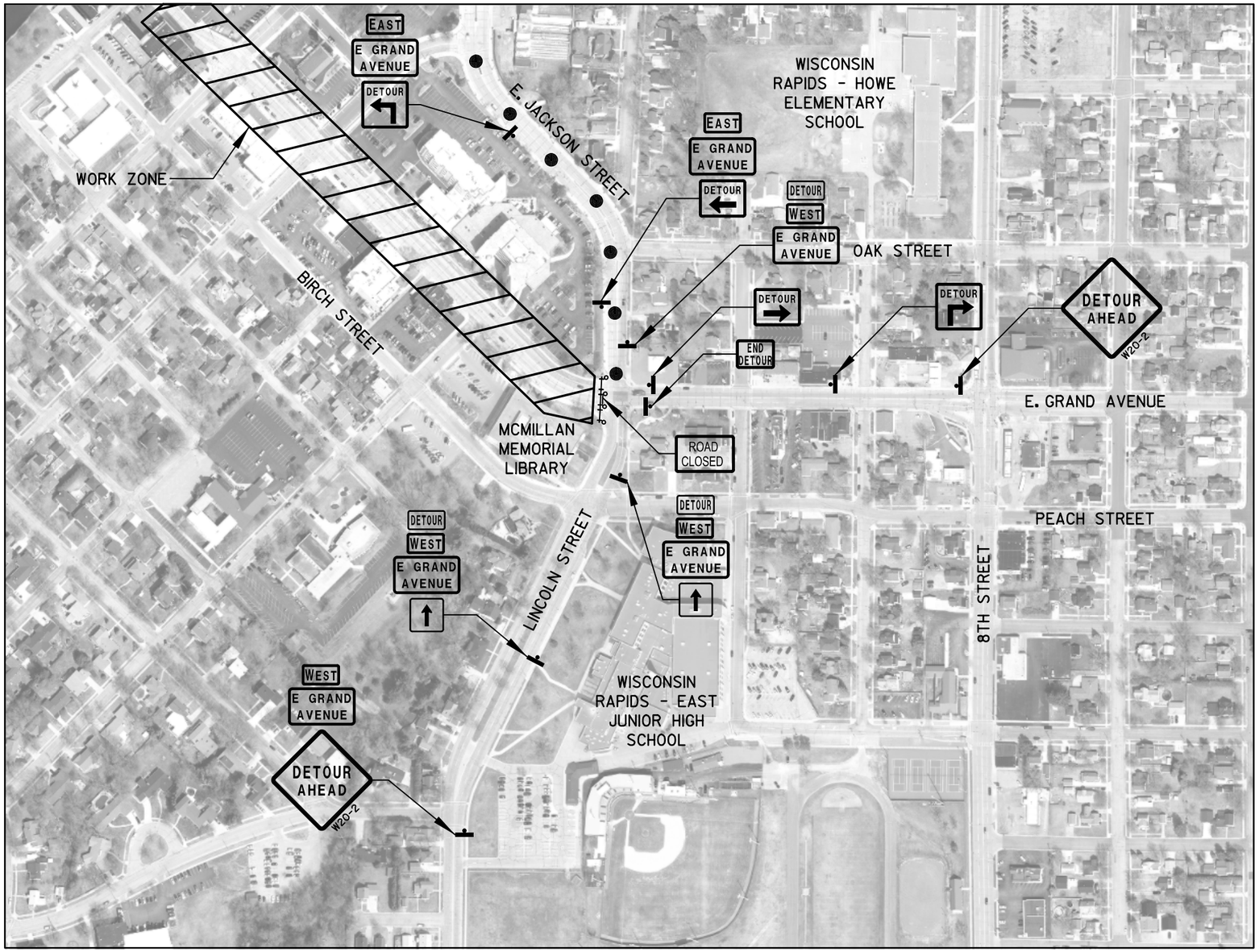


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR OVERVIEW - STAGE 2B	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027020_dt_Detour Overview_Stage 2B.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

CITY OF WISCONSIN RAPIDS



DETAIL A

N

SIGN LEGEND

DETOUR	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS	ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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

ALL SIGNS SHOWN SHALL BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.

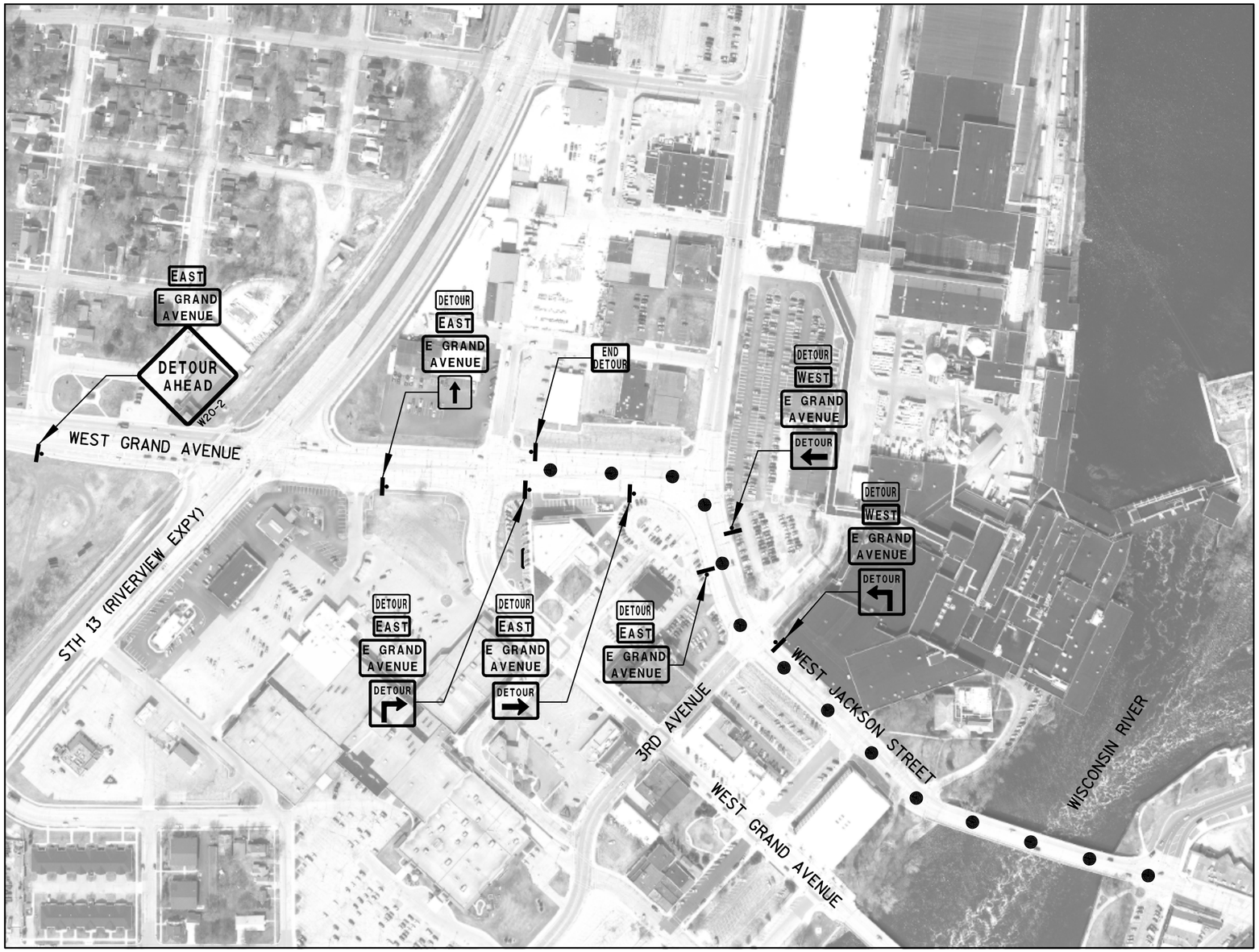
ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET 83	E

CITY OF WISCONSIN RAPIDS



DETAIL B

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS	ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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

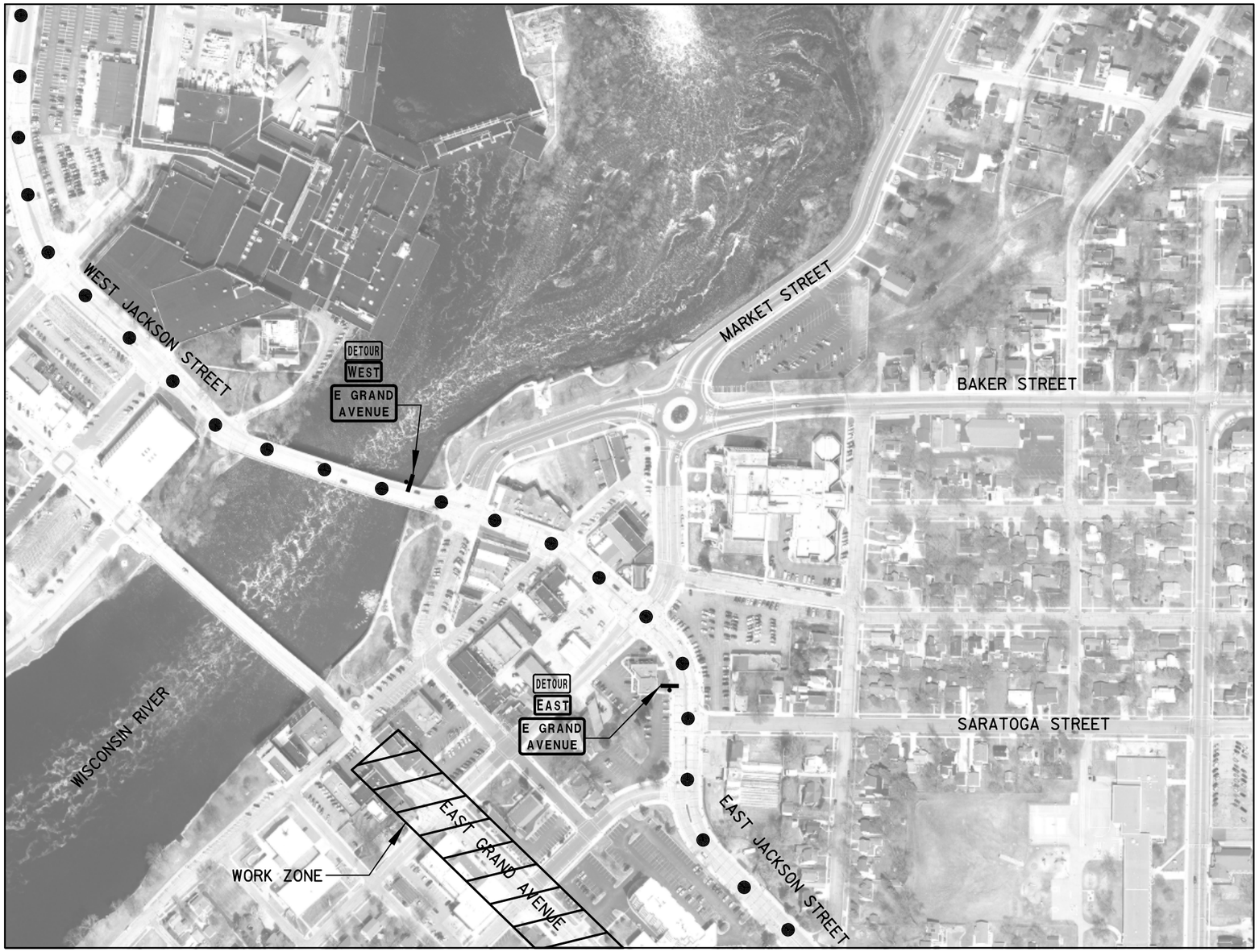
ALL SIGNS SHOWN SHALL BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

CITY OF WISCONSIN RAPIDS



DETAIL C - STAGE 1

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS	ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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

ALL SIGNS SHOWN SHALL BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.

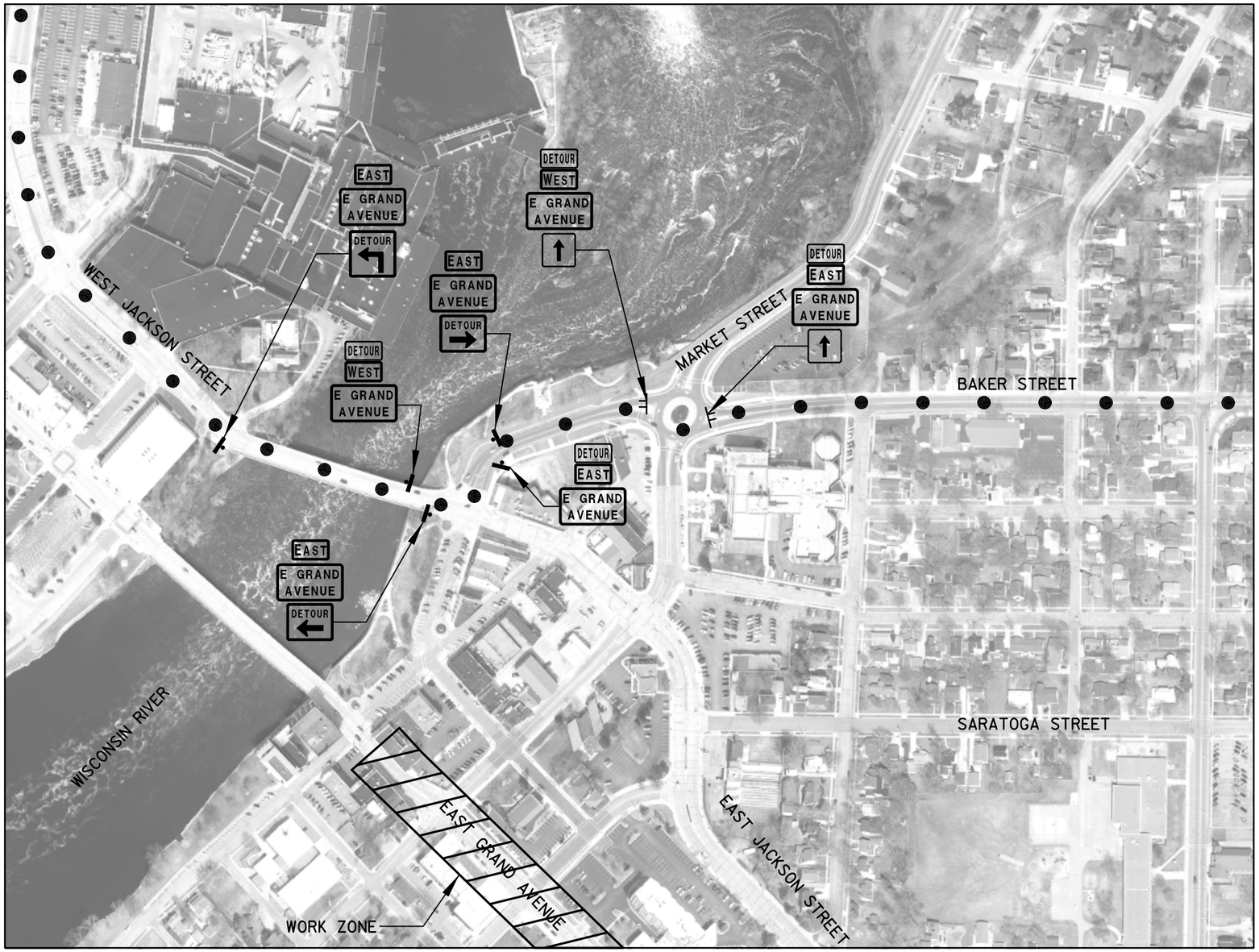
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ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET 85	E

CITY OF WISCONSIN RAPIDS



DETAIL C - STAGE 2A

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
		ROAD CLOSED	R11-2 48" x 30"

REFLECTIVE BACKGROUND
APPROX. SIZE 30" X 24"
BACKGROUND - ORANGE
MESSAGE - BLACK
5" SERIES C LETTERS

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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

ALL SIGNS SHOWN SHALL BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.

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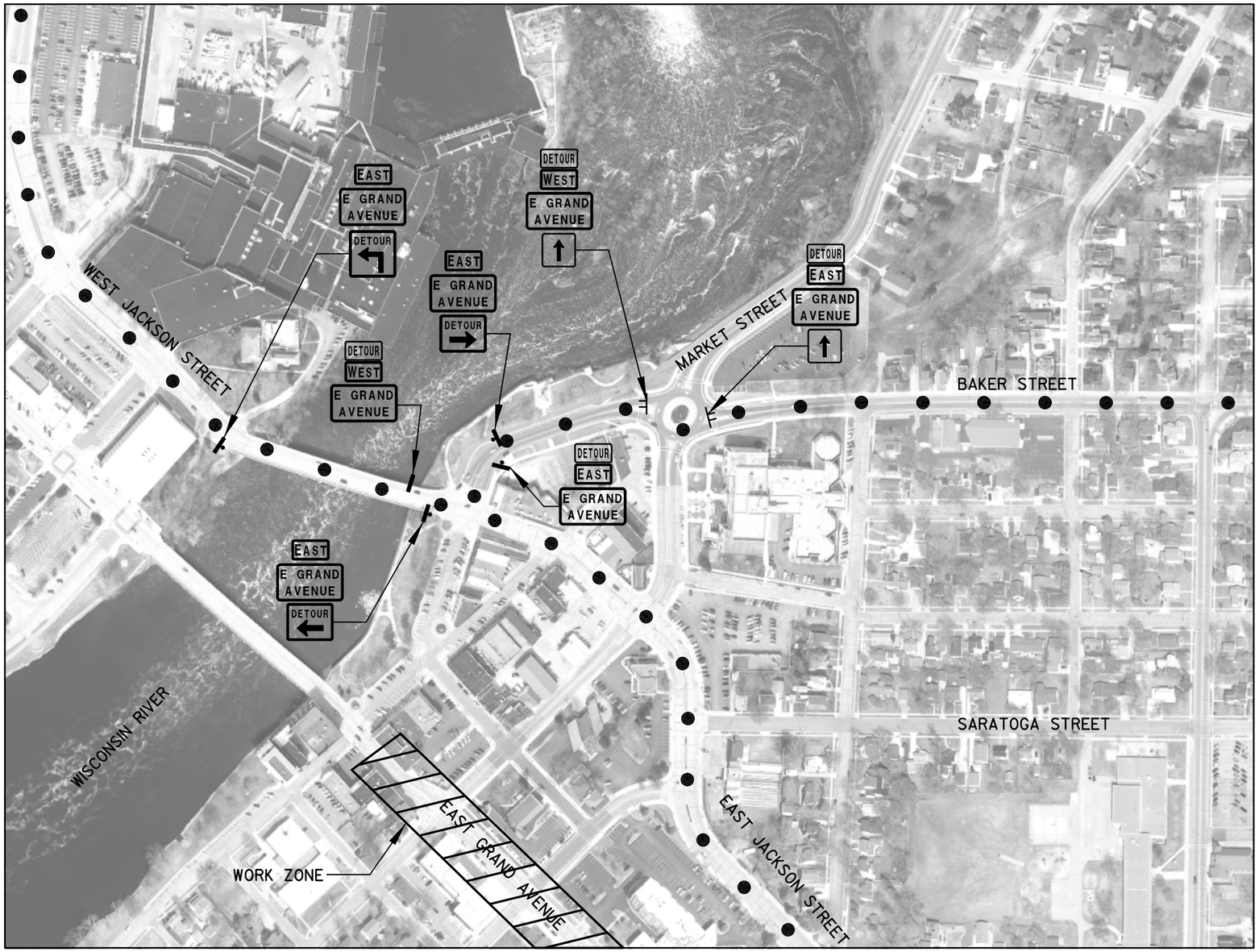
ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027023_dt_Stage 2A.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

CITY OF WISCONSIN RAPIDS



DETAIL C - STAGE 2B

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" x 30"
DETOUR ↱	M4-59R 30" x 30"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR	M4-8 24"X12"
END DETOUR	M4-8A 24"X18"
WEST	M3-4 24" X 12"
EAST	M3-2 24" X 12"
↑	M06-1 21"X21"
→	M06-1 21"X21"
↱	M5-1R 21" X 21"
ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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

ALL SIGNS SHOWN SHALL BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR ROUTE MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL M05 AND M06 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027023_dt_Stage 2B.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CITY OF WISCONSIN RAPIDS



DETAIL D

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS	ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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ALL SIGNS SHOWN SHALL BE PAID FOR AS TRAFFIC CONTROL DETOUR SIGNS.

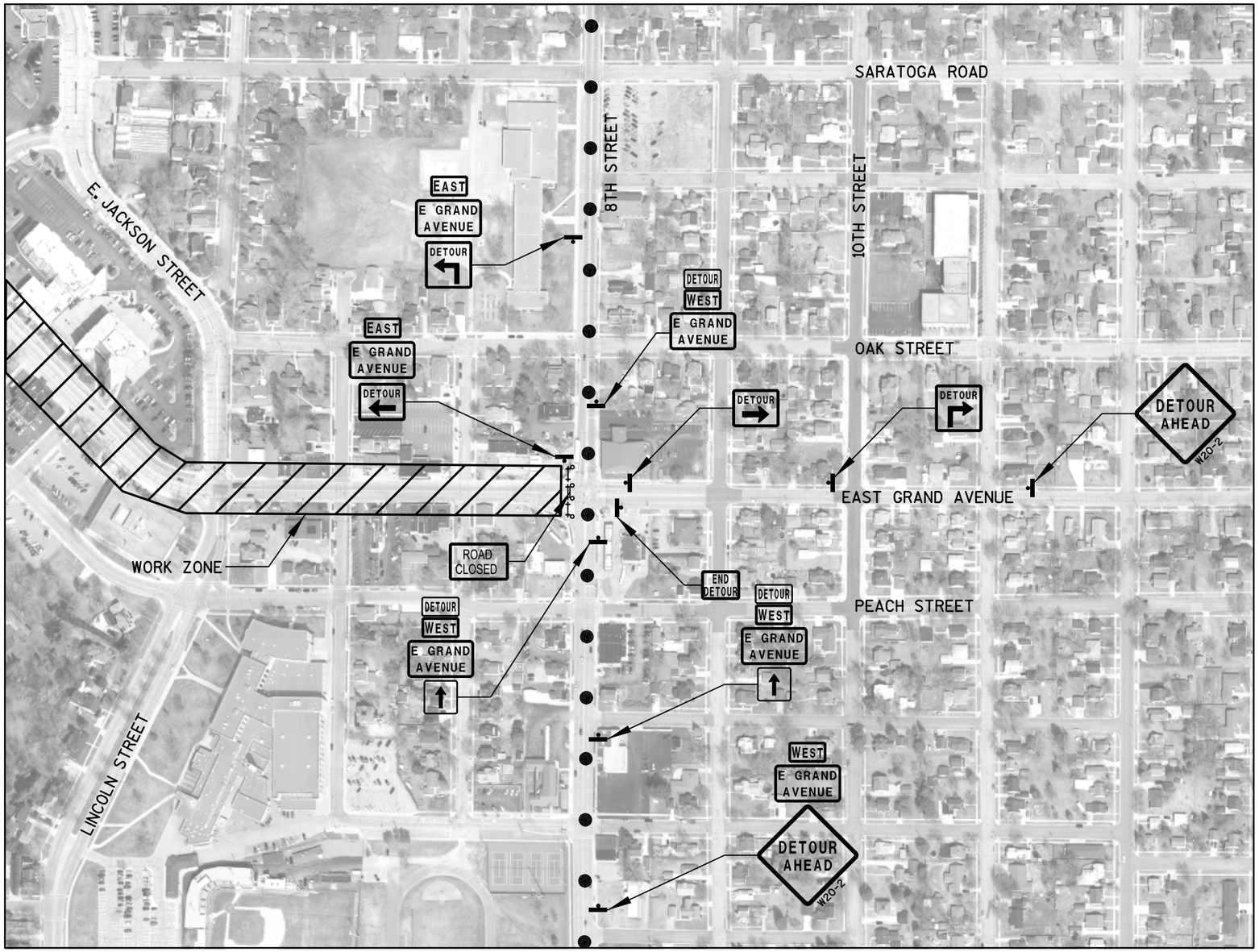
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET 88	E

CITY OF WISCONSIN RAPIDS



DETAIL E

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"
DETOUR ←	M4-9L 30" X 24"
DETOUR ↰	M4-59L 30" x 30"
DETOUR ↱	M4-59R 30" x 30"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS

DETOUR	M4-8 24"X12"
END DETOUR	M4-8A 24"X18"
WEST	M3-4 24" X 12"
EAST	M3-2 24" X 12"
↑	M06-1 21"X21"
→	M06-1 21"X21"
↱	M5-1R 21" X 21"
ROAD CLOSED	R11-2 48" × 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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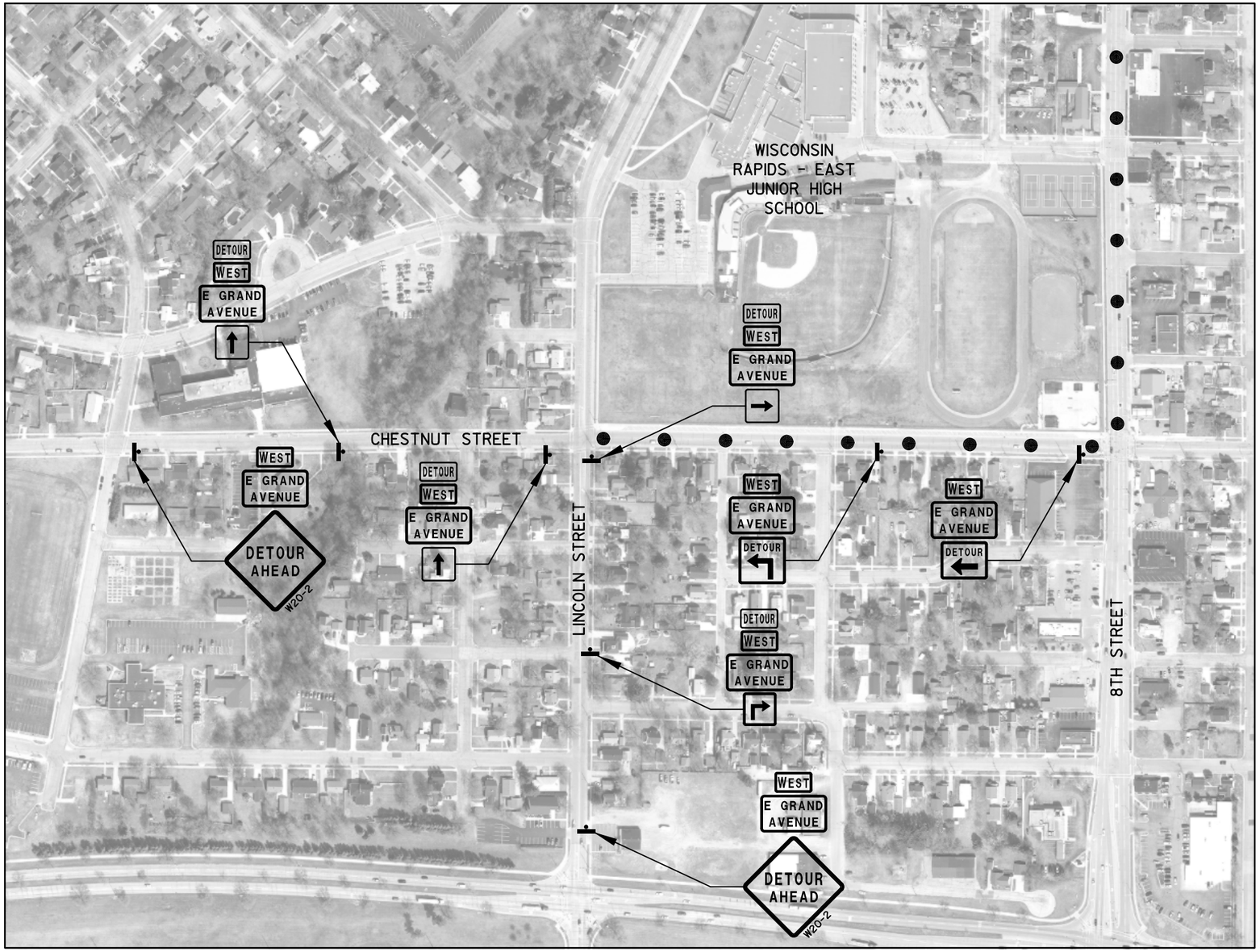
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027025_dt.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

CITY OF WISCONSIN RAPIDS



DETAIL F

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS	ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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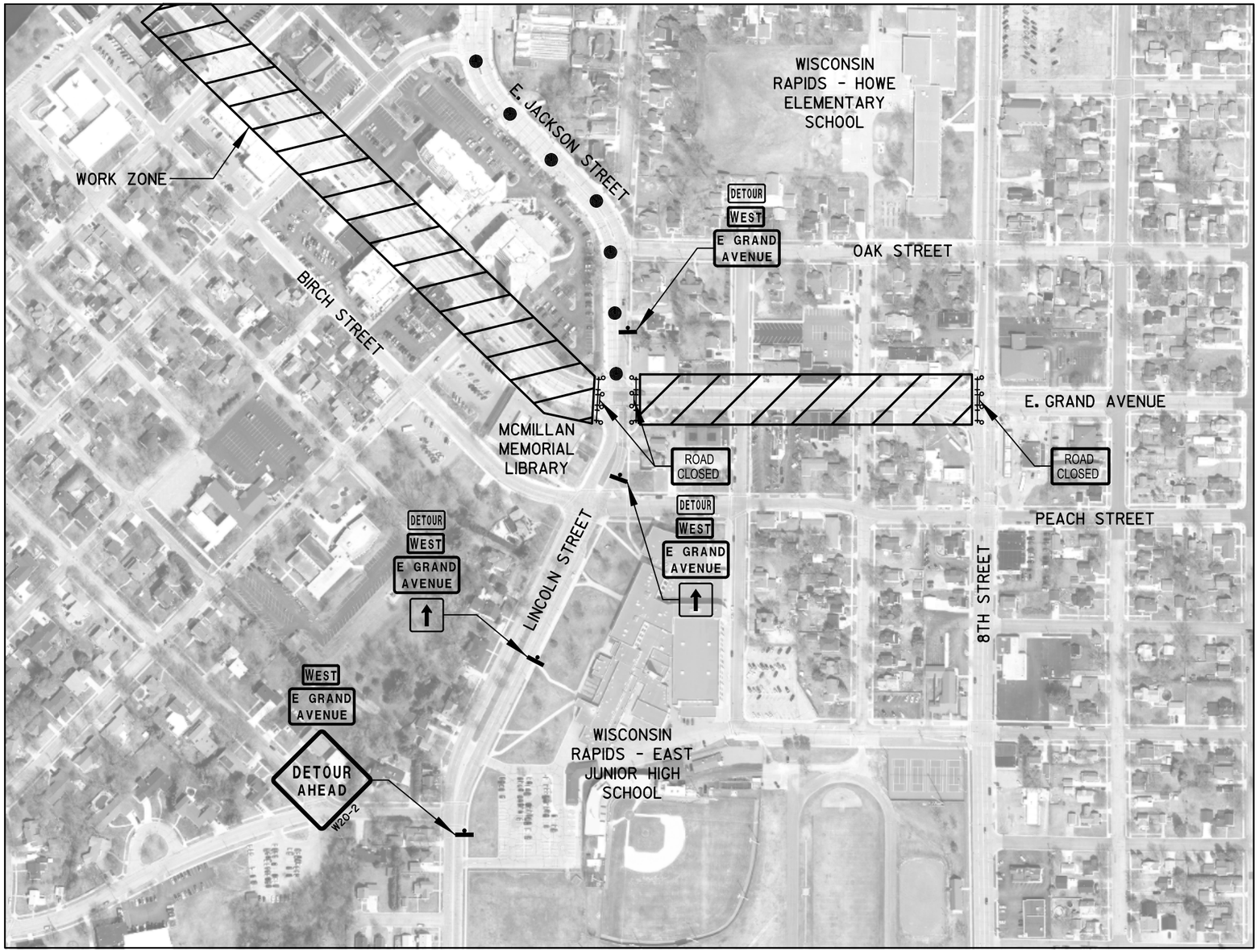
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CITY OF WISCONSIN RAPIDS



DETAIL G

N

SIGN LEGEND

DETOUR →	M4-9R 30" X 24"	DETOUR	M4-8 24"X12"
DETOUR ←	M4-9L 30" X 24"	END DETOUR	M4-8A 24"X18"
DETOUR ↰	M4-59L 30" x 30"	WEST	M3-4 24" X 12"
DETOUR ↱	M4-59R 30" x 30"	EAST	M3-2 24" X 12"
		↑	M06-1 21"X21"
		→	M06-1 21"X21"
		↱	M5-1R 21" X 21"
E GRAND AVENUE	REFLECTIVE BACKGROUND APPROX. SIZE 30" X 24" BACKGROUND - ORANGE MESSAGE - BLACK 5" SERIES C LETTERS	ROAD CLOSED	R11-2 48" x 30"

LEGEND

- DETOUR ROUTE
- BARRICADES TYPE III WITH ATTACHED SIGN TYPE 2 (TWO WARNING LIGHTS TYPE A REQ'D.)
- BARRICADES TYPE III WITHOUT SIGN (ONE WARNING LIGHT TYPE A REQ'D.)
- WOOD POST WITH ATTACHED SIGN

GENERAL NOTES

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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD COUNTY	DETOUR SIGNING	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027027_dt.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 42

2

P.I. = 44+75.00
Y = 452,340.88
X = 729,340.88

P.I. = 49+94.97
Y = 451,988.54
X = 729,722.54

P.I. = 50+54.99
Y = 451,947.30
X = 729,763.12

P.I. = 55+80.91
Y = 451,587.54
X = 730,146.56

P.I. = 68+64.85
Y = 450,946.66
X = 731,173.66

P.I. = 69+30.67
Y = 450,945.42
X = 731,239.47

P.I. = 71+69.65
Y = 450,943.17
X = 731,478.44

P.I. = 72+29.88
Y = 450,942.05
X = 731,538.66

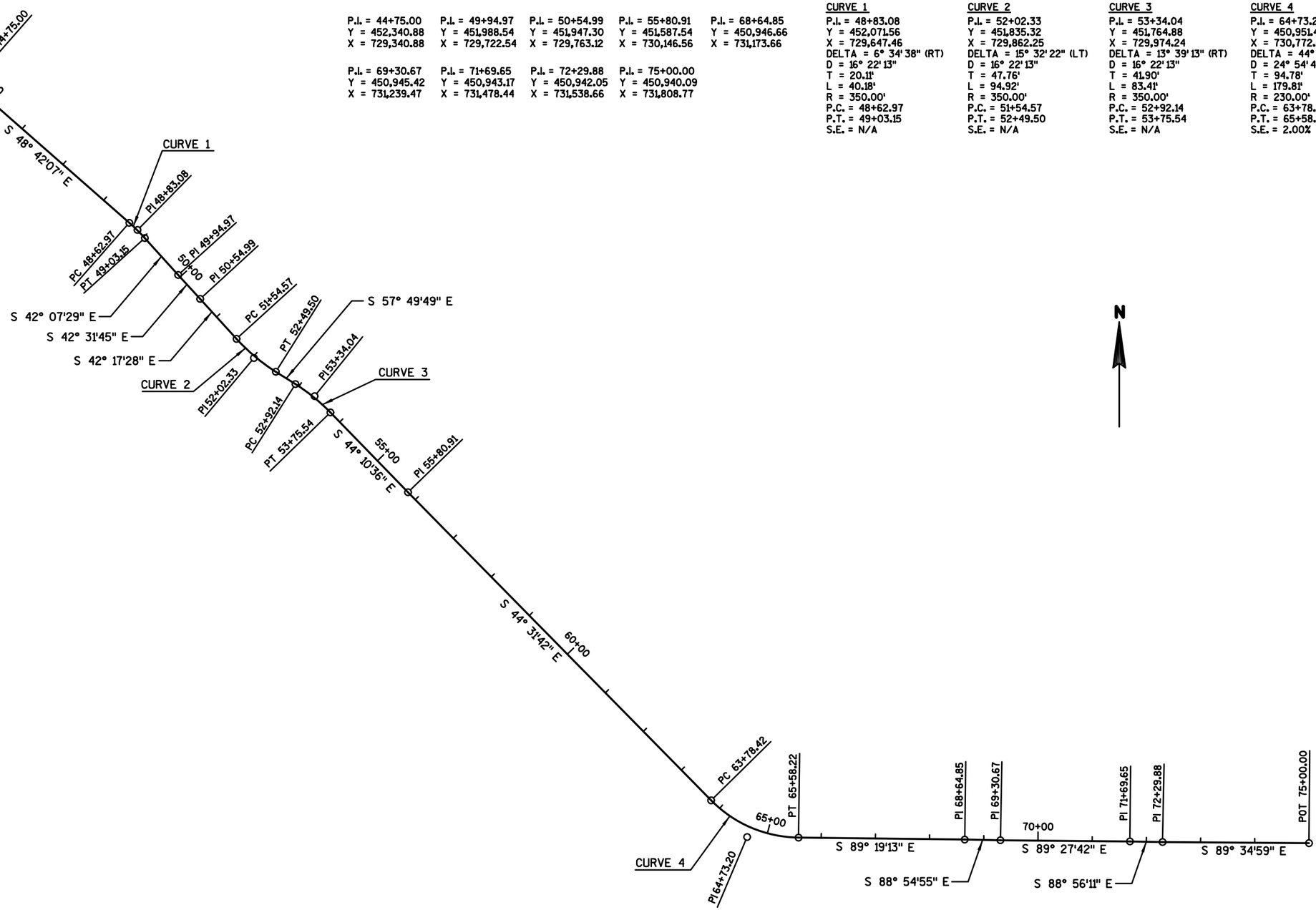
P.I. = 75+00.00
Y = 450,940.09
X = 731,808.77

CURVE 1
P.I. = 48+83.08
Y = 452,071.56
X = 729,647.46
DELTA = 6° 34' 38" (RT)
D = 16° 22' 13"
T = 20.11'
L = 40.18'
R = 350.00'
P.C. = 48+62.97
P.T. = 49+03.15
S.E. = N/A

CURVE 2
P.I. = 52+02.33
Y = 451,835.32
X = 729,862.25
DELTA = 15° 32' 22" (LT)
D = 16° 22' 13"
T = 47.76'
L = 94.92'
R = 350.00'
P.C. = 51+54.57
P.T. = 52+49.50
S.E. = N/A

CURVE 3
P.I. = 53+34.04
Y = 451,764.88
X = 729,974.24
DELTA = 13° 39' 13" (RT)
D = 16° 22' 13"
T = 41.90'
L = 83.41'
R = 350.00'
P.C. = 52+92.14
P.T. = 53+75.54
S.E. = N/A

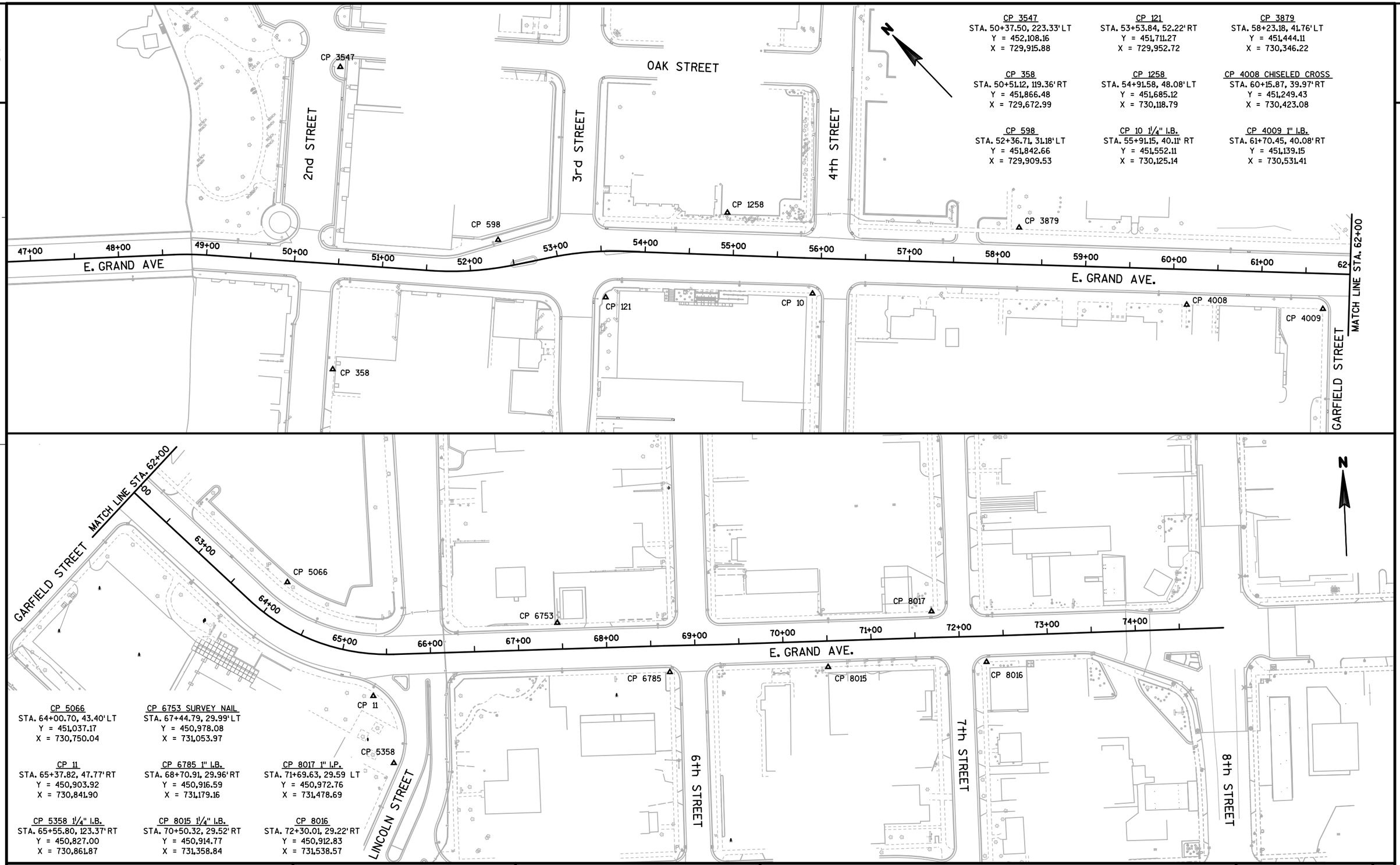
CURVE 4
P.I. = 64+73.20
Y = 450,951.42
X = 730,772.28
DELTA = 44° 47' 31" (LT)
D = 24° 54' 40"
T = 94.78'
L = 179.81'
R = 230.00'
P.C. = 63+78.42
P.T. = 65+58.22
S.E. = 2.00%



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	ALIGNMENT DETAIL - EAST GRAND AVE.	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\027201_ad.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

2



CP 3547
STA. 50+37.50, 223.33' LT
Y = 452,108.16
X = 729,915.88

CP 121
STA. 53+53.84, 52.22' RT
Y = 451,711.27
X = 729,952.72

CP 3879
STA. 58+23.18, 41.76' LT
Y = 451,444.11
X = 730,346.22

CP 358
STA. 50+51.12, 119.36' RT
Y = 451,866.48
X = 729,672.99

CP 1258
STA. 54+91.58, 48.08' LT
Y = 451,685.12
X = 730,118.79

CP 4008 CHISELED CROSS
STA. 60+15.87, 39.97' RT
Y = 451,249.43
X = 730,423.08

CP 598
STA. 52+36.71, 31.18' LT
Y = 451,842.66
X = 729,909.53

CP 10 1¼" I.B.
STA. 55+91.15, 40.11' RT
Y = 451,552.11
X = 730,125.14

CP 4009 1" I.B.
STA. 61+70.45, 40.08' RT
Y = 451,139.15
X = 730,531.41

CP 5066
STA. 64+00.70, 43.40' LT
Y = 451,037.17
X = 730,750.04

CP 6753 SURVEY NAIL
STA. 67+44.79, 29.99' LT
Y = 450,978.08
X = 731,053.97

CP 11
STA. 65+37.82, 47.77' RT
Y = 450,903.92
X = 730,841.90

CP 6785 1" I.B.
STA. 68+70.91, 29.96' RT
Y = 450,916.59
X = 731,179.16

CP 8017 1" I.P.
STA. 71+69.63, 29.59 LT
Y = 450,972.76
X = 731,478.69

CP 5358 1¼" I.B.
STA. 65+55.80, 123.37' RT
Y = 450,827.00
X = 730,861.87

CP 8015 1¼" I.B.
STA. 70+50.32, 29.52' RT
Y = 450,914.77
X = 731,358.84

CP 8016
STA. 72+30.01, 29.22' RT
Y = 450,912.83
X = 731,538.57

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CONTROL POINT DATA	SHEET 93 E

6999-07-89

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	2.000	2.000
0004	201.0205	Grubbing	STA	2.000	2.000
0006	204.0100	Removing Pavement	SY	14,950.000	14,950.000
0008	204.0110	Removing Asphaltic Surface	SY	190.000	190.000
0010	204.0150	Removing Curb & Gutter	LF	1,330.000	1,330.000
0012	204.0155	Removing Concrete Sidewalk	SY	3,450.000	3,450.000
0014	204.0185	Removing Masonry	CY	4.000	4.000
0016	204.0195	Removing Concrete Bases	EACH	44.000	44.000
0018	204.0205	Removing Utility Poles	EACH	29.000	29.000
0020	204.0210	Removing Manholes	EACH	13.000	13.000
0022	204.0215	Removing Catch Basins	EACH	29.000	29.000
0024	204.0245	Removing Storm Sewer (size) 001. 10-Inch	LF	1,320.000	1,320.000
0026	204.0245	Removing Storm Sewer (size) 002. 12-Inch	LF	735.000	735.000
0028	204.0245	Removing Storm Sewer (size) 003. 15-Inch	LF	650.000	650.000
0030	204.0245	Removing Storm Sewer (size) 004. 18-Inch	LF	550.000	550.000
0032	204.9060.S	Removing (item description) 001. Timber Planters	EACH	1.000	1.000
0034	204.9090.S	Removing (item description) 001. Landscaping Timbers	LF	160.000	160.000
0036	205.0100	Excavation Common	CY	9,371.000	9,371.000
0038	213.0100	Finishing Roadway (project) 001. 6999-07-89	EACH	1.000	1.000
0040	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,060.000	1,060.000
0042	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	6,180.000	6,180.000
0044	305.0130	Base Aggregate Dense 3-Inch	TON	1,150.000	1,150.000
0046	311.0110	Breaker Run	TON	460.000	460.000
0048	312.0110	Select Crushed Material	TON	1,102.000	1,102.000
0050	405.0200	Coloring Concrete Custom	CY	105.000	105.000
0052	405.1000	Stamping Colored Concrete	CY	103.000	103.000
0054	415.0090	Concrete Pavement 9-Inch	SY	11,400.000	11,400.000
0056	415.0210	Concrete Pavement Gaps	EACH	12.000	12.000
0058	415.4100	Concrete Pavement Joint Filling	SY	12,750.000	12,750.000
0060	415.5110.S	Concrete Pavement Joint Layout 001. 6999-07-89	LS	1.000	1.000
0062	416.0160	Concrete Driveway 6-Inch	SY	730.000	730.000
0064	416.0610	Drilled Tie Bars	EACH	102.000	102.000
0066	416.0620	Drilled Dowel Bars	EACH	765.000	765.000
0068	455.0605	Tack Coat	GAL	75.000	75.000
0070	460.2000	Incentive Density HMA Pavement	DOL	190.000	190.000
0072	460.5224	HMA Pavement 4 LT 58-28 S	TON	289.000	289.000
0074	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	68.000	68.000
0076	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0078	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	26.000	26.000
0080	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	8.000	8.000

6999-07-89

Line	Item	Item Description	Unit	Total	Qty
0082	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,885.000	1,885.000
0084	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	589.000	589.000
0086	601.0452	Concrete Curb & Gutter Integral 30-Inch Type D	LF	1,522.000	1,522.000
0088	601.0600	Concrete Curb Pedestrian	LF	11.000	11.000
0090	602.0405	Concrete Sidewalk 4-Inch	SF	36,250.000	36,250.000
0092	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	422.000	422.000
0094	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	1,004.000	1,004.000
0096	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	98.000	98.000
0098	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	1,533.000	1,533.000
0100	608.0421	Storm Sewer Pipe Reinforced Concrete Class IV 21-Inch	LF	789.000	789.000
0102	611.0624	Inlet Covers Type H	EACH	30.000	30.000
0104	611.0652	Inlet Covers Type T	EACH	15.000	15.000
0106	611.1004	Catch Basins 4-FT Diameter	EACH	33.000	33.000
0108	611.1230	Catch Basins 2x3-FT	EACH	14.000	14.000
0110	611.2004	Manholes 4-FT Diameter	EACH	5.000	5.000
0112	611.2005	Manholes 5-FT Diameter	EACH	2.000	2.000
0114	611.8110	Adjusting Manhole Covers	EACH	6.000	6.000
0116	612.0204	Pipe Underdrain Unperforated 4-Inch	LF	8.000	8.000
0118	612.0206	Pipe Underdrain Unperforated 6-Inch	LF	6.000	6.000
0120	616.0700.S	Fence Safety	LF	1,000.000	1,000.000
0122	618.0100	Maintenance And Repair of Haul Roads (project) 001. 6999-07-89	EACH	1.000	1.000
0124	619.1000	Mobilization	EACH	1.000	1.000
0126	620.0300	Concrete Median Sloped Nose	SF	37.000	37.000
0128	623.0200	Dust Control Surface Treatment	SY	17,150.000	17,150.000
0130	624.0100	Water	MGAL	133.000	133.000
0132	625.0100	Topsoil	SY	3,540.000	3,540.000
0134	627.0200	Mulching	SY	2,500.000	2,500.000
0136	628.1504	Silt Fence	LF	200.000	200.000
0138	628.1520	Silt Fence Maintenance	LF	200.000	200.000
0140	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0142	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0144	628.7005	Inlet Protection Type A	EACH	47.000	47.000
0146	628.7010	Inlet Protection Type B	EACH	7.000	7.000
0148	628.7015	Inlet Protection Type C	EACH	26.000	26.000
0150	628.7020	Inlet Protection Type D	EACH	25.000	25.000
0152	628.7560	Tracking Pads	EACH	5.000	5.000

6999-07-89

Line	Item	Item Description	Unit	Total	Qty
0154	629.0210	Fertilizer Type B	CWT	3.700	3.700
0156	630.0300	Seeding Borrow Pit	LB	34.000	34.000
0158	631.0300	Sod Water	MGAL	80.000	80.000
0160	631.1000	Sod Lawn	SY	3,540.000	3,540.000
0162	637.2210	Signs Type II Reflective H	SF	309.600	309.600
0164	637.2230	Signs Type II Reflective F	SF	41.800	41.800
0166	638.2102	Moving Signs Type II	EACH	2.000	2.000
0168	638.2602	Removing Signs Type II	EACH	27.000	27.000
0170	638.3000	Removing Small Sign Supports	EACH	22.000	22.000
0172	638.3150	Removing Overhead Sign Supports Cantilever (structure) 001. E3-01	EACH	1.000	1.000
0174	638.3150	Removing Overhead Sign Supports Cantilever (structure) 002. E4-08	EACH	1.000	1.000
0176	642.5401	Field Office Type D	EACH	1.000	1.000
0178	643.0300	Traffic Control Drums	DAY	36,800.000	36,800.000
0180	643.0420	Traffic Control Barricades Type III	DAY	7,972.000	7,972.000
0182	643.0705	Traffic Control Warning Lights Type A	DAY	14,392.000	14,392.000
0184	643.0900	Traffic Control Signs	DAY	30,612.000	30,612.000
0186	643.1050	Traffic Control Signs PCMS	DAY	35.000	35.000
0188	643.5000	Traffic Control	EACH	1.000	1.000
0190	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	1,000.000	1,000.000
0192	644.1601.S	Temporary Curb Ramp	EACH	5.000	5.000
0194	644.1616.S	Temporary Pedestrian Safety Fence	LF	400.000	400.000
0196	645.0135	Geotextile Type SR	SY	770.000	770.000
0198	646.1020	Marking Line Epoxy 4-Inch	LF	7,986.000	7,986.000
0200	646.3020	Marking Line Epoxy 8-Inch	LF	324.000	324.000
0202	646.5020	Marking Arrow Epoxy	EACH	6.000	6.000
0204	646.5120	Marking Word Epoxy	EACH	1.000	1.000
0206	646.5220	Marking Symbol Epoxy	EACH	14.000	14.000
0208	646.6020	Marking Stop Line Epoxy 12-Inch	LF	213.000	213.000
0210	646.7120	Marking Diagonal Epoxy 12-Inch	LF	54.000	54.000
0212	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,435.000	1,435.000
0214	646.8120	Marking Curb Epoxy	LF	10.000	10.000
0216	646.8220	Marking Island Nose Epoxy	EACH	1.000	1.000
0218	646.8320	Marking Parking Stall Epoxy	LF	721.000	721.000
0220	650.4000	Construction Staking Storm Sewer	EACH	53.000	53.000
0222	650.4500	Construction Staking Subgrade	LF	2,310.000	2,310.000
0224	650.5000	Construction Staking Base	LF	349.000	349.000
0226	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	797.000	797.000
0228	650.7000	Construction Staking Concrete Pavement	LF	2,310.000	2,310.000

6999-07-89

Line	Item	Item Description	Unit	Total	Qty
0230	650.8500	Construction Staking Electrical Installations (project) 001. 6999-07-89	LS	1.000	1.000
0232	650.9000	Construction Staking Curb Ramps	EACH	42.000	42.000
0234	650.9910	Construction Staking Supplemental Control (project) 001. 6999-07-89	LS	1.000	1.000
0236	650.9920	Construction Staking Slope Stakes	LF	2,310.000	2,310.000
0238	652.0325	Conduit Rigid Nonmetallic Schedule 80 2-Inch	LF	4,010.000	4,010.000
0240	652.0335	Conduit Rigid Nonmetallic Schedule 80 3-Inch	LF	541.000	541.000
0242	652.0700.S	Install Conduit into Existing Item	EACH	2.000	2.000
0244	653.0140	Pull Boxes Steel 24x42-Inch	EACH	22.000	22.000
0246	653.0905	Removing Pull Boxes	EACH	3.000	3.000
0248	655.0610	Electrical Wire Lighting 12 AWG	LF	4,495.000	4,495.000
0250	655.0630	Electrical Wire Lighting 4 AWG	LF	40,537.000	40,537.000
0252	674.0300	Remove Cable	LF	522.000	522.000
0254	690.0150	Sawing Asphalt	LF	1,245.000	1,245.000
0256	690.0250	Sawing Concrete	LF	2,605.000	2,605.000
0258	715.0415	Incentive Strength Concrete Pavement	DOL	3,420.000	3,420.000
0260	740.0440	Incentive IRI Ride	DOL	1,750.000	1,750.000
0262	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,000.000	2,000.000
0264	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,260.000	1,260.000
0266	SPV.0060	Special 001. Reconnect Storm Sewer Laterals	EACH	4.000	4.000
0268	SPV.0060	Special 002. Utility Line Opening (ULO)	EACH	6.000	6.000
0270	SPV.0060	Special 003. Inlet Covers Type DW	EACH	2.000	2.000
0272	SPV.0060	Special 004. Salvage and Replace Concrete Bumpers	EACH	5.000	5.000
0274	SPV.0060	Special 005. Light Unit Wisconsin Rapids	EACH	31.000	31.000
0276	SPV.0060	Special 006. Lighting Control Cabinet Modifications	EACH	1.000	1.000
0278	SPV.0060	Special 007. Sign Pole Wisconsin Rapids	EACH	8.000	8.000
0280	SPV.0060	Special 008. Protection of Private Sprinkler Systems (Parcel 3)	EACH	1.000	1.000
0282	SPV.0060	Special 009. Protection of Private Sprinkler Systems (Parcel 12)	EACH	1.000	1.000
0284	SPV.0060	Special 010. Protection of Private Sprinkler Systems (Parcel 13)	EACH	1.000	1.000
0286	SPV.0060	Special 011. Protection of Private Sprinkler Systems (Parcel 16)	EACH	1.000	1.000
0288	SPV.0060	Special 012. Post Round Tubular Steel 2 3/8-Inch x 11-FT	EACH	28.000	28.000
0290	SPV.0060	Special 013. Post Round Tubular Steel 2 3/8-Inch x 12-FT	EACH	3.000	3.000
0292	SPV.0060	Special 014. Post Round Tubular Steel 2 3/8-Inch x 14-FT	EACH	6.000	6.000

6999-07-89

Line	Item	Item Description	Unit	Total	Qty
0294	SPV.0060	Special 015. Manhole Covers Type JB	EACH	13.000	13.000
0296	SPV.0060	Special 016. Adjusting Valve Box	EACH	23.000	23.000
0298	SPV.0075	Special 001. Street Sweeping	HRS	80.000	80.000
0300	SPV.0090	Special 001. Concrete Curb & Gutter 24-Inch Special Type D	LF	140.000	140.000
0302	SPV.0090	Special 002. Concrete Curb & Gutter 30-Inch Rollback Type A	LF	1,390.000	1,390.000
0304	SPV.0090	Special 003. Concrete Curb & Gutter 30-Inch Rollback Type D	LF	50.000	50.000
0306	SPV.0090	Special 004. Concrete Curb & Gutter Integral 30-Inch Type A Special	LF	192.000	192.000
0308	SPV.0105	Special 001. Remove and Transport Traffic Signals, Lincoln/Jackson Street & E. Grand Ave	LS	1.000	1.000
0310	SPV.0105	Special 002. Remove and Transport Stub Poles, 3rd Street & E. Grand Avenue	LS	1.000	1.000
0312	SPV.0105	Special 003. Temporary Lighting	LS	1.000	1.000
0314	SPV.0105	Special 004. Research and Locate Existing Property Monuments	LS	1.000	1.000
0316	SPV.0105	Special 005. Verify and Replace Existing Property Monuments	LS	1.000	1.000
0318	SPV.0120	Special 001. Water for Seeded Areas	MGAL	56.000	56.000
0320	SPV.0180	Special 001. Salvage and Replace Landscaping Stone	SY	78.000	78.000
0322	SPV.0180	Special 002. Salvage and Replace Landscaping Mulch	SY	108.000	108.000
0324	SPV.0195	Special 001. Ex.,Loading,Hauling,and Landfill Trmt or Disposal of Petroleum Ctmd Soil	TON	53.000	53.000
0326	SPV.0195	Special 002. Ex.,Loading,Hauling,and Landfill Trmt or Disposal of Chlorinated Solv. Ctm	TON	150.000	150.000

3

CLEARING AND GRUBBING

CATEGORY	STATION-STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	70+00-72+00	LT	2	2

REMOVING PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 SY
0010	51+05 - 55+25	RT/LT	2,900
	55+25 - 61+00	RT/LT	3,750
	61+00 - 65+00	RT/LT	2,400
	65+00 - 70+00	RT/LT	3,450
	70+00 - 74+16.67	RT/LT	2,450
		TOTAL	14,950

REMOVING ASPHALTIC SURFACE

CATEGORY	STATION - STATION	LOCATION	204.0110 SY
0010	51+05 - 55+25	RT/LT	75
	55+25 - 61+00	RT/LT	---
	61+00 - 65+00	RT/LT	---
	65+00 - 70+00	RT/LT	35
	70+00 - 74+16.67	RT/LT	80
		TOTAL	190

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	204.0150 LF
0010	51+05 - 55+25	RT/LT	40
	55+25 - 61+00	RT/LT	110
	61+00 - 65+00	RT/LT	60
	65+00 - 70+00	RT/LT	920
	70+00 - 74+16.67	RT/LT	200
		TOTAL	1,330

3

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	204.0155 SY
0010	51+05 - 55+25	RT/LT	630
	55+25 - 61+00	RT/LT	1,000
	61+00 - 65+00	RT/LT	575
	65+00 - 70+00	RT/LT	735
	70+00 - 74+16.67	RT/LT	510
		TOTAL	3,450

REMOVING MASONRY

CATEGORY	STATION - STATION	LOCATION	204.0185 CY
0010	UNDISTRIBUTED	RT/LT	4

REMOVING CONCRETE BASES

CATEGORY	STATION - STATION	LOCATION	204.0195 EACH
0010	51+05 - 55+25	RT/LT	14
	55+25 - 61+00	RT/LT	8
	61+00 - 65+00	RT/LT	5
	65+00 - 70+00	RT/LT	14
	70+00 - 74+16.67	RT/LT	3
		TOTAL	44

REMOVING UTILITY POLES

CATEGORY	STATION - STATION	LOCATION	204.0205 EACH
0010	51+05 - 55+25	RT/LT	5
	55+25 - 61+00	RT/LT	8
	61+00 - 65+00	RT/LT	5
	65+00 - 70+00	RT/LT	8
	70+00 - 74+16.67	RT/LT	3
		TOTAL	29

REMOVING STORM SEWER

CATEGORY	STATION - STATION	LOCATION	204.0245 .001 10-INCH LF	204.0245 .002 12-INCH LF	204.0245 .003 15-INCH LF	204.0245 .004 18-INCH LF	204.0210 REMOVING MANHOLES EACH	204.0215 REMOVING CATCH BASINS EACH
0010	51+05 - 55+25	RT/LT	220	---	---	460	3	4
	55+25 - 61+00	RT/LT	210	---	490	90	3	6
	61+00 - 65+00	RT/LT	360	45	85	---	2	3
	65+00 - 70+00	RT/LT	270	490	75	---	4	8
	70+00 - 74+16.67	RT/LT	260	200	---	---	1	8
		TOTALS	1,320	735	650	550	13	29

MISCELLANEOUS REMOVALS

CATEGORY	STATION - STATION	LOCATION	SPV.0180.001 SALVAGE AND REPLACE LANDSCAPING STONE SY	SPV.0180.002 SALVAGE AND REPLACE LANDSCAPING MULCH SY	204.9060.S.001 REMOVING TIMBER PLANTERS EACH	204.9090.S.001 REMOVING LANDSCAPING TIMBERS LF
0010	51+05 - 55+25	RT/LT	20	---	---	---
	55+25 - 61+00	RT/LT	10	45	---	100
	61+00 - 65+00	RT/LT	---	55	---	60
	65+00 - 70+00	RT/LT	3	1	1	---
	70+00 - 74+16.67	RT/LT	45	7	---	---
		TOTALS	78	108	1	160

EARTHWORK SUMMARY

CATEGORY	LOCATION	205.0100 EXCAVATION COMMON (1) CUT (2) CY	205.0100 EXCAVATION COMMON (1) EBS EXCAVATION (3) CY	SALVAGED/ UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (4) CY	REDUCED EBS IN FILL (5) CY	EXPANDED EBS BACKFILL (6) CY	UNEXPANDED FILL CY	EXPANDED FILL (7) CY	MASS ORDINATE +/- (8)	WASTE CY	312.0110 SELECT CRUSHED MATERIAL (3) TON
0010	MAINLINE	8,926	446	3,469	5,456	402	580	174	193	5,263	5,263	1,102
	TOTALS		9,372									1,102

1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL.
5) REDUCED EBS IN FILL: EXCAVATED EBS MATERIAL IS USABLE IN FILLS OUTSIDE THE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.90.
6) EXPANDED EBS BACKFILL: THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL FACTOR = 1.30.
7) EXPANDED FILL = UNEXPANDED FILL * EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.11.
8) MASS ORDINATE: MASS ORDINATE = (AVAILABLE MATERIAL - EXPANDED FILL)
PLUS MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100.01 EACH
0010	6999-07-89	1

BASE AGGREGATE DENSE

CATEGORY	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0130 BASE AGGREGATE DENSE 3-INCH TON	311.0110 BREAKER RUN TON	624.0100 WATER (FOR COMPACTION) MGAL
0010	51+05 - 55+25	RT/LT	240	950	1,150	460	42
	55+25 - 61+00	RT/LT	290	1,300	---	---	24
	61+00 - 65+00	RT/LT	200	820	---	---	15
	65+00 - 70+00	RT/LT	200	2,150	---	---	36
	70+00 - 74+16.67	RT/LT	130	960	---	---	16
		TOTALS	1,060	6,180	1,150	460	133

COLORED CROSSWALK

CATEGORY	STATION - STATION	LOCATION	405.0200 COLORING CONCRETE CUSTOM CY
0030	51+05 - 55+25	RT/LT	25
	55+25 - 61+00	RT/LT	25
	61+00 - 65+00	RT/LT	15
	65+00 - 70+00	RT/LT	40
	70+00 - 74+16.67	RT/LT	---
		TOTAL	105

STAMPING COLORED CONCRETE

CATEGORY	STATION - STATION	LOCATION	405.1000 STAMPING COLORED CONCRETE CY
0030	51+05 - 55+25	RT/LT	23
	55+25 - 61+00	RT/LT	37
	61+00 - 65+00	RT/LT	27
	65+00 - 70+00	RT/LT	12
	70+00 - 74+16.67	RT/LT	4
		TOTAL	103

CONCRETE PAVEMENT ITEMS

CATEGORY	STATION - STATION	LOCATION	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.0090 CONCRETE PAVEMENT 9-INCH SY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	51+05 - 55+25	RT/LT	2,200	1,950	20	200
	55+25 - 61+00	RT/LT	3,200	2,850	25	190
	61+00 - 65+00	RT/LT	2,150	1,900	10	10
	65+00 - 70+00	RT/LT	3,050	2,750	47	310
	70+00 - 74+16.67	RT/LT	2,150	1,950	---	55
		TOTALS	12,750	11,400	102	765

CONCRETE PAVEMENT GAPS

CATEGORY	LOCATION	415.0210 CONCRETE PAVEMENT GAPS EACH
0010	UNDISTRIBUTED	12

CONCRETE DRIVEWAY 6-INCH

CATEGORY	STATION	OFFSET	416.0160 SY
0010	56+39	RT	65
	57+50	RT	35
	57+65	LT	80
	60+35	RT	50
	62+48	LT	65
	66+22	RT	15
	67+25	LT	25
	67+67	RT	40
	67+91	LT	25
	68+80	RT	15
	69+55	RT	45
	70+20	RT	40
	70+24	LT	160
	71+31	LT	40
	72+96	RT	30
	TOTAL		730

3

ASPHALTIC ITEMS

CATEGORY	STATION - STATION	LOCATION	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON
0010	51+05 - 55+25	RT/LT	12	45	1
	55+25 - 61+00	RT/LT	3	8	2
	61+00 - 65+00	RT/LT	1	2	3
	65+00 - 70+00	RT/LT	54	220	51
	70+00 - 74+16.67	RT/LT	5	14	11
		TOTALS	75	289	68

NOTE: A CONVERSION FACTOR OF 110 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF
0010	51+05 - 55+25	RT/LT	8,300
	55+25 - 61+00	RT/LT	9,650
	61+00 - 65+00	RT/LT	6,550
	65+00 - 70+00	RT/LT	7,150
	70+00 - 74+16.67	RT/LT	4,600
		TOTAL	36,250

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

CATEGORY	STATION - STATION	LOCATION	602.0515 SF
0010	51+05 - 55+25	RT/LT	60
	55+25 - 61+00	RT/LT	80
	61+00 - 65+00	RT/LT	42
	65+00 - 70+00	RT/LT	160
	70+00 - 74+16.67	RT/LT	80
		TOTAL	422

ADJUSTING MANHOLE COVERS

CATEGORY	STATION	OFFSET	611.8110 EACH	REMARKS
0030	53+19	22'RT	1	SANITARY
	56+12	64'RT	1	SANITARY
	63+10	6'LT	1	SANITARY
	65+95	1'RT	1	SANITARY
	67+22	2'RT	1	SANITARY
	68+96	61'RT	1	SANITARY
		TOTAL	6	

CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0452 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.001 CONCRETE CURB & GUTTER 24-INCH SPECIAL TYPE D LF	SPV.0090.002 CONCRETE CURB & GUTTER 30-INCH ROLLBACK TYPE A LF	SPV.0090.003 CONCRETE CURB & GUTTER 30-INCH ROLLBACK TYPE D LF	SPV.0090.004 CONCRETE CURB & GUTTER INTEGRAL 30-INCH TYPE A SPECIAL LF
0010	51+05 - 55+25	RT/LT	---	---	135	64	575	---	---	140	---	150
	55+25 - 61+00	RT/LT	26	5	750	40	22	---	---	440	---	42
	61+00 - 65+00	RT/LT	---	3	510	---	---	---	---	315	10	---
	65+00 - 70+00	RT/LT	---	---	230	375	545	11	140	295	38	---
	70+00 - 74+16.67	RT/LT	---	---	260	110	380	---	---	200	2	---
		TOTALS	26	8	1,885	589	1,522	11	140	1,390	50	192

FENCE SAFETY

CATEGORY	LOCATION	616.0700.S LF
0010	UNDISTRIBUTED	1,000

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT)

CATEGORY	PROJECT	618.0100 EACH
0030	6999-07-89	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	6999-07-89	1

CONCRETE MEDIAN SLOPED NOSE

CATEGORY	STATION	OFFSET	620.0300 SF
0010	65+85	139'RT	37

STORM SEWER

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 STORM SEWER PIPE REINFORCED CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CLASS IV 18-INCH LF	608.0421 CONCRETE 21-INCH LF	612.0204 PIPE UNDERDRAIN UNPERFORATED 4-INCH LF	612.0206 PIPE UNDERDRAIN UNPERFORATED 6-INCH LF	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	EG-5.1	EG-5	6	---	---	---	---	---	---
	EG-5	EG-10	---	---	36	---	---	---	---
	EG-10.2	EG-10.1	60	---	---	---	---	---	---
	EG-10.1	EG-10	112	---	---	---	---	---	---
	EG-10	EG-15	---	---	6	---	---	---	---
	EG-15	EG-20	---	---	72	---	---	---	---
	EG-20.2	EG-20.1	31	---	---	---	---	---	---
	EG-20.1	EG-20	22	---	---	---	---	---	---
	EG-20	EG-25	---	---	33	---	---	---	---
	EG-25.5	EG-25.1	---	21	---	---	---	---	---
	EG-25.4	EG-25.2	35	---	---	---	---	---	---
	EG-25.3	EG-25.2	---	---	---	---	8	---	---
	EG-25.2	EG-25.5	---	25	---	---	---	---	---
	EG-25.1	EG-25	---	---	44	---	---	---	---
	EG-25	EG-30	---	---	73	---	---	---	---
	EG-30	EG-35	---	---	86	---	---	---	---
	EG-35.1	EG-35	33	---	---	---	---	---	---
	EG-35	EG-40	---	---	79	---	---	---	---
	EG-40.2	EG-40.1	32	---	---	---	---	---	---
	EG-40.1	EG-40	54	---	---	---	---	---	---
	EG-40	EG-40.3	---	---	60	---	---	---	---
	EG-40.3	EG-40.6	---	6	---	---	---	---	---
	EG-40.4	EG-40.3	23	---	---	---	---	---	---
	EG-40.5	EG-40.3	6	---	---	---	---	---	1
	EG-40.6	-	---	---	---	---	---	---	1
	EG-42	EG-40	---	---	129	---	---	---	---
	EG-42.1	EG-42	6	---	---	---	---	---	---
	EG-45	EG-42	---	---	69	---	---	---	---
	EG-45.1	EG-45	39	---	---	---	---	---	---
	EG-50	EG-45	---	---	63	---	---	---	---
	EG-50.1	EG-50	33	---	---	---	---	---	---
	WG-5.2	WG-5.4	14	---	---	---	---	---	---
	WG-5.4	WG-5.3	150	---	---	---	---	---	---
	WG-5.3	WG-5	---	---	58	---	---	---	---
	WG-5.1	WG-5	89	---	---	---	---	---	---
	WG-5	WG-10	---	---	71	---	---	---	---
	WG-10.1	WG-10	---	---	---	---	---	6	---
	WG-10	WG-15	---	---	131	---	---	---	---
	WG-15.1	WG-15	47	---	---	---	---	---	---
	WG-15	WG-20	---	---	163	---	---	---	---
	WG-20.2	WG-20.1	9	---	---	---	---	---	---
	WG-20.1	WG-20	43	---	---	---	---	---	---
	WG-20	WG-22	---	---	46	---	---	---	---
	WG-22	WG-23	---	---	193	---	---	---	---
	WG-23	WG-25	---	---	75	---	---	---	---
	WG-25.1	WG-25	---	---	46	---	---	---	---
	WG-25	WG-30	---	---	---	231	---	---	---
	WG-30.1	WG-30	---	46	---	---	---	---	---
	WG-30	WG-35	---	---	---	82	---	---	---
	WG-35.2	WG-35.1	29	---	---	---	---	---	---
	WG-35.1	WG-35	77	---	---	---	---	---	---
	WG-35.4	WG-35.3	34	---	---	---	---	---	---
	WG-35.3	WG-35	20	---	---	---	---	---	---
	WG-35	WG-40	---	---	---	210	---	---	---
	WG-40	WG-45	---	---	---	41	---	---	---
	WG-45	WG-50	---	---	---	37	---	---	---
	WG-50	WG-55	---	---	---	37	---	---	---
	WG-55	WG-60	---	---	---	27	---	---	---
	WG-60	WG-65	---	---	---	124	---	---	---
	WG-65	WG-75	---	---	---	---	---	---	---
TOTALS			1,004	98	1,533	789	8	6	2

INLETS, MANHOLES, MANHOLE COVERS, AND INLET COVERS

CATEGORY	STRUCT. ID#	STATION	OFFSET	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1230 CATCH BASINS 2x3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	SPV.0060.015 * MANHOLE COVERS TYPE JB EACH	611.0624 INLET COVERS TYPE H EACH	611.0652 INLET COVERS TYPE T EACH	SPV.0060.003 INLET COVERS TYPE DW EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	EG-5.1	72+59.21	20.1'LT	---	1	---	---	---	1	---	---	1
	EG-5	72+53.21	20.1'LT	---	1	---	---	---	1	---	---	1
	EG-10.2	74+02.81	74.5'RT	1	---	---	---	---	1	---	---	1
	EG-10.1	73+63.41	28.9'RT	1	---	---	---	---	1	---	---	1
	EG-10	72+52.23	15.7'RT	1	---	---	---	---	1	---	---	1
	EG-15	72+46.25	15.1'RT	1	---	---	---	---	1	---	---	1
	EG-20.2	72+16.04	41.0'RT	---	1	---	---	---	1	---	---	1
	EG-20.1	71+85.49	39.6'RT	1	---	---	---	---	1	---	---	1
	EG-20	71+74.71	19.9'RT	---	---	1	---	1	---	---	---	1
	EG-25.5	71+76.49	26.5'LT	---	---	1	---	1	---	---	---	1
	EG-25.4	72+16.86	50.8'LT	1	---	---	---	---	---	1	---	1
	EG-25.2	71+81.66	50.7'LT	1	---	---	---	---	---	1	---	1
	EG-25.1	71+56.69	20.1'LT	1	---	---	---	---	1	---	---	1
	EG-25	71+41.90	21.9'RT	1	---	---	---	---	---	1	---	1
	EG-30	70+69.00	21.6'RT	1	---	---	---	---	1	---	---	1
	EG-35.1	69+81.46	16.7'LT	---	1	---	---	---	1	---	---	1
	EG-35	69+83.15	16.5'RT	1	---	---	---	---	1	---	---	1
	EG-40.2	68+81.79	35.6'LT	1	---	---	---	---	---	1	---	1
	EG-40.1	69+13.37	36.2'LT	1	---	---	---	---	---	1	---	1
	EG-40	69+04.19	16.7'RT	---	---	1	---	1	---	---	---	1
	EG-40.3	69+05.01	76.3'RT	---	---	---	1	1	---	---	---	1
	EG-40.4	68+83.65	66.6'RT	1	---	---	---	---	---	---	1	1
	EG-42	67+75.11	18.6'RT	1	---	---	---	---	---	---	1	1
	EG-45	67+06.43	18.6'RT	---	1	---	---	---	1	---	---	1
	EG-45.1	67+06.33	20.3'LT	---	1	---	---	---	1	---	---	1
	EG-50	66+43.54	18.8'RT	---	1	---	---	---	1	---	---	1
	EG-50.1	66+43.45	14.6'LT	---	1	---	---	---	1	---	---	1
	WG-5.2	65+64.05	182.5'RT	---	1	---	---	---	1	---	---	1
	WG-5.4	65+78.29	185.0'RT	---	1	---	---	---	1	---	---	1
	WG-5.3	65+69.76	40.8'RT	1	---	---	---	---	1	---	---	1
	WG-5.1	65+69.76	45.5'LT	---	1	---	---	---	1	---	---	1
	WG-5	65+62.39	43.1'RT	1	---	---	---	---	1	---	---	1
	WG-10	65+02.21	23.6'RT	1	---	---	---	---	1	---	---	1
	WG-15.1	63+78.35	23.6'RT	---	1	---	---	---	1	---	---	1
	WG-15	63+78.36	23.6'LT	---	1	---	---	---	1	---	---	1
	WG-20.1	62+13.86	26.6'RT	1	---	---	---	---	---	1	---	1
	WG-20	62+15.07	16.6'LT	1	---	---	---	---	1	---	---	1
	WG-22	61+69.18	16.6'LT	1	---	---	---	---	---	1	---	1
	WG-23	59+75.86	22.7'LT	1	---	---	---	---	---	1	---	1
	WG-25.1	59+00.63	22.7'RT	1	---	---	---	---	---	1	---	1
	WG-25	59+00.58	23.6'LT	1	---	---	---	---	1	---	---	1
	WG-30.1	56+70.22	23.1'RT	1	---	---	---	---	---	1	---	1
	WG-30	56+69.50	23.2'LT	1	---	---	---	---	---	1	---	1
	WG-35.2	56+31.62	49.3'RT	---	1	---	---	---	1	---	---	1
	WG-35.1	56+02.42	49.5'RT	1	---	---	---	---	1	---	---	1
	WG-35.4	56+27.86	45.0'LT	1	---	---	---	---	---	1	---	1
	WG-35.3	55+93.39	45.0'LT	1	---	---	---	---	---	1	---	1
	WG-35	55+87.95	26.0'LT	---	---	---	1	1	---	---	---	1
	WG-40	53+78.27	22.7'LT	1	---	---	---	---	---	1	---	1
	WG-45	53+65.76	16.7'RT	1	---	---	---	---	---	1	---	1
	WG-50	53+39.46	44.4'RT	1	---	---	---	---	1	---	---	1
	WG-55	52+97.22	40.6'RT	1	---	---	---	---	1	---	---	1
	WG-60	52+73.66	26.9'RT	---	---	1	---	1	---	---	---	1
	WG-65	51+54.59	9.5'RT	---	---	1	---	1	---	---	---	---
TOTALS				33	14	5	2	7	30	15	2	53

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	BEGINNING OF PROJECT	1
	JACKSON STREET	1
	LINCOLN STREET	1
	END OF PROJECT	1
	WASTE SITE	1
	TOTAL	5

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION	LOCATION	623.0200 SY
0010	51+05 - 55+25	RT/LT	2,700
	55+25 - 61+00	RT/LT	3,900
	61+00 - 65+00	RT/LT	2,450
	65+00 - 70+00	RT/LT	5,300
	70+00 - 74+16.67	RT/LT	2,800
		TOTAL	17,150

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0300 SEEDING BORROW PIT LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	SPV.0120.001 WATER FOR SEEDED AREAS MGAL
0010	51+05 - 55+25	RT/LT	350	---	0.2	---	8	350	---
	55+25 - 61+00	RT/LT	840	---	0.5	---	19	840	---
	61+00 - 65+00	RT/LT	630	---	0.4	---	14	630	---
	65+00 - 70+00	RT/LT	540	---	0.3	---	12	540	---
	70+00 - 74+16.67	RT/LT	470	---	0.3	---	11	470	---
	UNDISTRIBUTED	---	710	---	0.4	---	16	710	---
	WASTE SITE	---	---	2,500	1.6	34	---	---	56
		TOTALS	3,540	2,500	3.7	34	80	3,540	56

REMOVING SIGN ITEMS

CATEGORY	SIGN NUMBER	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3150 REMOVING OVERHEAD SIGN SUPPORTS CANTILEVER EACH	REMARKS
0010	E1-01	1	1	---	
	E1-02	1	1	---	
	E1-03	1	1	---	
	E1-04	1	1	---	
	E1-05	1	1	---	
	E1-06	1	1	---	
	E1-07	1	1	---	
	E1-08	1	---	---	
	E2-01	1	1	---	
	E2-02	1	1	---	
	E2-03	1	1	---	
	E3-01	1	---	1	638.3150.001
	E3-02	1	1	---	
	E3-03	1	1	---	
	E3-04	1	1	---	
	E3-05	1	1	---	
	E3-06	1	1	---	
	E3-07	1	---	---	
	E3-08	1	1	---	
	E4-01	1	1	---	
	E4-02	1	1	---	
	E4-03	1	1	---	
	E4-04	1	1	---	
	E4-05	1	1	---	
	E4-06	1	---	---	LOCATED ON EXISTING OVERHEARD UTILITY POLE
	E4-07	1	1	---	
	E4-08	1	---	1	638.3150.002
	TOTALS	27	22	2	

SILT FENCE SUMMARY

CATEGORY	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	UNDISTRIBUTED	200	200

INLET PROTECTION SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	51+05 - 55+25	RT/LT	4	2	6	1
	55+25 - 61+00	RT/LT	9	2	3	4
	61+00 - 65+00	RT/LT	5	1	4	2
	65+00 - 70+00	RT/LT	16	1	10	9
	70+00 - 74+16.67	RT/LT	13	1	3	9
		TOTALS	47	7	26	25

FIELD OFFICE TYPE D

CATEGORY	PROJECT	642.5401 EACH
0010	6999-07-89	1

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	6999-07-89	4	2

MOVING SIGN SUMMARY

CATEGORY	EXISTING STATION	PROPOSED STATION	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	SPV.0060.012 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x11-FT * EACH	REMARKS
0010	61+30	61+34	RT	1	1	FIRST ENGLISH LUTHERAN CHURCH SIGN
	62+20	62+12	LT	1	1	FIRST ENGLISH LUTHERAN CHURCH SIGN
			TOTALS	2	2	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	*SPV.0060.012 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 11-FT EACH	SPV.0060.013 x 12-FT EACH	SPV.0060.014 x 14-FT EACH	SPV.0060.007 SIGN POLE WISCONSIN RAPIDS EACH	REMARKS
0010	1 - 01	51+98	LT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	5.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT - BOX OUT REQUIRED
	1 - 02	52+64	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	1	---	---	---	
	1 - 03	52+98	LT	R9-3	NO PEDESTRIAN CROSSING	12 x 18	1.5	---	1	---	---	---	
	1 - 04	52+98	LT	R9-3BL	USE CROSSWALK (LEFT OR LEFT ARROW)	18 x 12	1.5	---	---	---	---	---	MOUNT SIGN UNDER 1-04
	1 - 05	53+05	LT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	1 - 06	53+05	LT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT UNDER SIGN 1-05
	1 - 07	52+86	RT	R9-3	NO PEDESTRIAN CROSSING	12 x 18	1.5	---	1	---	---	---	
	1 - 08	52+86	RT	R9-3BR	USE CROSSWALK (LEFT OR RIGHT ARROW)	18 x 12	1.5	---	---	---	---	---	MOUNT UNDER SIGN 1-07
	1 - 09	52+75	RT	R1-1	STOP	30 x 30	5.2	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	1 - 10	52+75	RT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 1-09
	1 - 11	53+66	LT	R1-1	STOP	30 x 30	5.2	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	1 - 12	53+66	LT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 1-11
	1 - 13	55+89	LT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	1 - 14	55+89	LT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 1-13
	1 - 15	53+44	RT	R1-1	STOP	30 x 30	5.2	---	---	---	---	---	MOUNT SING ON NEW STREET LIGHT
	1 - 16	53+44	RT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 1-15
	1 - 17	53+65	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	---	2	---	
	1 - 18	53+65	RT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	5.0	---	---	---	---	---	MOUNT SIGN UNDER 1-17
	1 - 19	55+73	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.3	---	---	1	---	
	1 - 20	55+73	RT	W16-9P	AHEAD PLAQUE (YELLOW)	24 x 12	---	2.0	---	---	---	---	MOUNT SIGN UNDER 1-19
	1 - 21	55+99	RT	R6-6	BEGIN ONE WAY	24 x 30	5.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	1 - 22	56+37	RT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.0	---	1	---	---	---	
	1 - 23	56+37	RT	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	---	---	---	---	MOUNT ON SAME POST AS SIGN 1-22
	1 - 24	54+21	LT	R7-5D	ONE HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	1 - 25	55+21	LT	R7-5D	ONE HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	1 - 26	54+35	RT	R7-108(MODIFIED)	10 MINUTE PARKING 8AM TO 9PM EX SUN & HOL - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	1 - 27	55+22	RT	R7-108(MODIFIED)	10 MINUTE PARKING 8AM TO 9PM EX SUN & HOL - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	1 - 28	51+99	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	1 - 29	51+90	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	2 - 01	60+90	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	1	---	---	---	
	2 - 02	60+12	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	1	---	---	---	
	2 - 03	62+14	RT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	2 - 04	62+16	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	2 - 05	57+41	LT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	2 - 06	60+17	LT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	2 - 07	57+26	RT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	2 - 08	59+20	RT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	2 - 09	61+08	RT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	2 - 10	62+95	RT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	3 - 01	63+96	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.3	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	3 - 02	65+64	LT	R3-7L	LEFT LANE MUST TURN LEFT	30 x 30	6.3	---	---	1	---	---	
	3 - 03	65+67	LT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	3 - 04	65+67	LT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 3-03
	3 - 05	63+15	LT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	3 - 06	64+60	LT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	3 - 07	65+43	RT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	3 - 08	65+43	RT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 3-07
	3 - 09	64+43	RT	R7-5D	(MODIFIED) TWO HOUR PARKING - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	3 - 10	67+05	LT	R7-108 (MODIFIED)	30 MINUTE PARKING 8AM TO 9PM EX SUN & HOL - RIGHT ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	3 - 11	65+45	RT	R7-108 (MODIFIED)	30 MINUTE PARKING 8AM TO 9PM EX SUN & HOL - LEFT ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	3 - 12	67+27	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN UNDER 3-17
	3 - 13	68+81	RT	R6-6	BEGIN ONE WAY	24 x 30	5.0	---	1	---	---	---	
	3 - 14	65+61	RT	R5-2	NO TRUCKS SYMBOL	24 x 24	4.0	---	---	1	---	---	
	3 - 15	65+61	RT	R5-2A	TONS OR OVER	24 x 12	2.0	---	---	---	---	---	MOUNT SIGN UNDER 3-14
	3 - 16	65+66	LT	R3-8A	LEFT ONLY/AHEAD RIGHT	36 x 30	7.5	---	1	---	---	---	
	3 - 17	67+27	RT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	5.0	---	1	---	---	---	
	3 - 18	66+76	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	1	---	---	---	
	3 - 19	66+42	LT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	3 - 20	66+42	LT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 3-19
	3 - 21	65+03	LT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	5.0	---	---	1	---	---	
	3 - 22	66+22	RT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	3 - 23	66+22	RT	R1-3P	ALL WAY	18 x 6	0.8	---	---	---	---	---	MOUNT SIGN UNDER 3-22
	3 - 24	67+94	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.3	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	3 - 25	67+94	RT	W16-9P	AHEAD PLAQUE (YELLOW)	24 x 12	---	2.0	---	---	---	---	MOUNT SIGN UNDER 3-24
	3 - 26	66+19	RT	S5-2	END SCHOOL ZONE	24 x 30	5.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	3 - 27	65+84	RT	R4-7	KEEP RIGHT	24 x 30	5.0	---	1	---	---	---	
	3 - 28	65+84	RT	R3-8A	LEFT ONLY/AHEAD RIGHT	36 x 30	7.5	---	---	---	---	---	MOUNT ON SAME POST AS 3-27
	3 - 29	66+07	RT	R3-7L	LEFT LANE MUST TURN LEFT	30 x 30	6.3	---	1	---	---	---	
	4 - 01	69+21	LT	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	1	---	---	---	
	4 - 02	69+21	LT	R6-2L	ONE WAY LEFT ARROW	24 x 30	5.0	---	---	---	---	---	MOUNT ON SAME POST AS 4-01
					SHEET TOTAL		240.8	22.9	20	3	3	7	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONT'D ON NEXT PAGE

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	* SPV.0060.012 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 11-FT EACH	SPV.0060.013 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 12-FT EACH	SPV.0060.014 POSTS ROUND TUBULAR STEEL 2 3/8-INCH x 14-FT EACH	SPV.0060.007 SIGN POLE WISCONSIN RAPIDS EACH	REMARKS
0010	4 - 03	71+79	RT	R1-1	STOP	30 x 30	5.2	---	---	---	---	1	
	4 - 04	72+19	LT	S1-1	SCHOOL ADVANCE	36 x 36	---	6.8	---	---	2	---	
	4 - 05	72+19	LT	S16-9P	AHEAD PLAQUE (FLUORESCENT YELLOW GREEN)	30 x 18	---	3.8	---	---	---	---	MOUNT SIGN UNDER 4-04
	4 - 06	72+19	LT	R2-6P	FINES HIGHER PLAQUE	24 x 18	3.0	---	---	---	---	---	MOUNT SIGN UNDER 4-05
	4 - 07	72+43	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.3	---	---	1	---	
	4 - 08	72+43	LT	W16-9P	AHEAD PLAQUE (YELLOW)	24 x 12	---	2.0	---	---	---	---	MOUNT SIGN UNDER 4-07
	4 - 09	73+53	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	4 - 10	73+53	LT	R3-17	BIKE LANE (BIKE SYMBOL)	30 x 24	5.0	---	---	---	---	---	MOUNT SIGN UNDER 4-09
	4 - 11	69+16	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	1	---	---	---	
	4 - 12	69+18	RT	R6-2R	ONE WAY RIGHT ARROW	24 x 30	5.0	---	1	---	---	---	
	4 - 13	69+33	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	4 - 14	71+81	RT	R5-1	DO NOT ENTER	30 x 30	6.3	---	1	---	---	---	
	4 - 15	71+81	RT	R6-7	END ONE WAY	24 x 30	5.0	---	---	---	---	---	MOUNT ON SAME POST AS 4-14
	4 - 16	71+81	RT	R6-1L	ONE WAY LEFT ARROW	36 x 12	3.0	---	---	---	---	---	MOUNT ON SAME POST AS 4-14
	4 - 17	71+81	RT	R6-1R	ONE WAY RIGHT ARROW	36 x 12	3.0	---	---	---	---	---	MOUNT ON SAME POST AS 4-14
	4 - 18	73+39	RT	R3-8W	LEFT ONLY/AHEAD ONLY/RIGHT ONLY	54 x 30	11.3	---	2	---	---	---	
	4 - 19	71+50	RT	R7-5R	(MODIFIED) TWO HOUR PARKING - RIGHT ARROW	18 x 24	3.0	---	1	---	---	---	
	4 - 20	71+53	LT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
	4 - 21	72+40	RT	R7-1D	NO PARKING ANY TIME - DOUBLE ARROW	18 x 24	3.0	---	---	---	---	---	MOUNT SIGN ON NEW STREET LIGHT
					SHEET TOTAL		68.8	18.9	6	0	3	1	
					TOTALS		309.6	41.8	26	3	6	8	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

TRAFFIC CONTROL

CATEGORY	STAGE	LOCATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	1	ADVANCED NOTIFICAITON	7	---	---	---	---	---	---	---	---	2	14
	1	ADVANCED WARNING SIGNING	52	---	---	25	1,300	46	2,392	44	2,288	---	---
	1	TRAFFIC DETOUR SIGNING	52	---	---	---	---	---	---	58	3,016	---	---
			SUBTOTALS		0		1,300		2,392		5,304		14
	2A	ADVANCED NOTIFICAITON	7	---	---	---	---	---	---	---	---	3	21
	2A	ADVANCED WARNING SIGNING	30	---	---	49	1,470	94	2,820	98	2,940	---	---
	2A	TRAFFIC DETOUR SIGNING	30	---	---	---	---	---	---	120	3,600	---	---
			SUBTOTALS		0		1,470		2,820		6,540		21
	2B	ADVANCED WARNING SIGNING	102	---	---	51	5,202	90	9,180	78	7,956	---	---
	2B	TRAFFIC DETOUR SIGNING	102	---	---	---	---	---	---	106	10,812	---	---
			SUBTOTAL		0		5,202		9,180		18,768		0
	ALL	UNDISTRIBUTED	184	200	36,800	---	---	---	---	---	---	---	---
			TOTALS		36,800		7,972		14,392		30,612		35

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	6999-07-89	1

TEMPORARY PEDESTRIAN ITEMS

CATEGORY	LOCATION	644.1410.S TEMPORARY PEDESTRIAN SURFACE ASPHALT SF	644.1601.S TEMPORARY CURB RAMP EACH	644.1616.S TEMPORARY PEDESTRIAN SAFETY FENCE LF
0010	UNDISTRIBUTED	1,000	5	400

GEOTEXTILE TYPE SR

CATEGORY	STATION - STATION	LOCATION	645.0135 SY
0010	51+05 - 55+25	RT/LT	770

PAVEMENT MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (WHITE SKIP 3'SEG., 9'GAP) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE SKIP, 3'SEG., 9'GAP) LF	646.5020 MARKING ARROW EPOXY EACH	646.5120 MARKING WORD EPOXY EACH	646.5220 MARKING SYMBOL EPOXY EACH	646.6020 MARKING STOP LINE EPOXY 12-INCH LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH	646.8320 MARKING PARKING STALL EPOXY LF
0010	51+05 - 55+25	RT/LT	665	815	3	---	---	---	---	2	68	---	220	---	---	98
	55+25 - 61+00	RT/LT	880	995	28	---	---	---	---	2	16	---	235	---	---	245
	61+00 - 65+00	RT/LT	670	650	14	---	---	---	---	2	15	---	120	---	---	170
	65+00 - 70+00	RT/LT	655	1,230	46	240	24	6	1	5	100	9	610	10	1	180
	70+00 - 74+16.67	RT/LT	270	1,010	55	60	---	---	---	3	14	45	250	---	---	28
	TOTALS		3,140	4,700	146	300	24	6	1	14	213	54	1,435	10	1	721
	ITEM TOTALS			7,986			324									

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.7000 CONCRETE PAVEMENT LF	650.9000 CURB RAMPS EACH	650.9920 SLOPE STAKES LF
0010	51+05 - 55+25	RT/LT	420	60	64	420	6	420
	55+25 - 61+00	RT/LT	575	20	45	575	8	575
	61+00 - 65+00	RT/LT	400	5	13	400	4	400
	65+00 - 70+00	RT/LT	500	230	565	500	16	500
	70+00 - 74+16.67	RT/LT	415	34	110	415	8	415
		TOTALS	2,310	349	797	2,310	42	2,310

STREET LIGHTING CONDUIT SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	652.0325 CONDUIT RIGID NON-METALLIC SCHEDULE 80 2-INCH LF	652.0335 CONDUIT RIGID NON-METALLIC SCHEDULE 80 3-INCH LF
0020	LPB-4	LP-5	175	---
	LP-5	LPB-7	13	---
	LPB-7	LPB-10	---	53
	LPB-10	LP-7	123	---
	LP-7	LP-9	117	---
	LP-9	LPB-11	15	---
	LPB-11	LPB-14	---	44
	LPB-14	LP-11	88	---
	LP-11	LP-13	153	---
	LP-13	LPB-15	25	---
	LPB-15	LPB-17	---	77
	LPB-17	LP-15	60	---
	LP-15	LP-17	209	---
	LP-17	LPB-19	81	---
	LPB-19	LP-19	32	---
	LPB-19	LPB-20	---	50
	LPB-20	LP-20	56	---
	LP-20	LP-22	188	---
	LP-22	LP-24	186	---
	LP-24	LPB-21	82	---
	LPB-21	LPB-24	---	47
	LPB-24	LP-27	39	---
	LPB-24	LP-28	13	---
	LP-28	LP-30	153	---
	LP-30	LP-32	93	---
	LP-32	LPB-25	6	---
	LPB-25	LPB-27	---	40
	LPB-27	LP-33	35	---
	LPB-5	LP-4	62	---
	LP-4	LPB-8	148	---
	LPB-8	LPB-9	---	42
	LPB-9	LP-6	36	---
	LP-6	LP-8	154	---
	LP-8	LPB-12	86	---
	LPB-12	LPB-13	---	38
	LPB-13	LP-10	22	---
	LP-10	LP-12	159	---
	LP-12	LPB-16	101	---
	LPB-16	LPB-18	---	48
	LPB-18	LP-14	35	---
	LP-14	LP-16	129	---
	LP-16	LP-18	195	---
	LP-18	LP-21	183	---
	LP-21	LP-23	190	---
	LP-23	LP-25	187	---
	LP-25	LPB-22	14	---
	LPB-22	LP-26	36	---
	LPB-22	LPB-23	---	46
	LPB-23	LP-29	62	---
	LP-29	LP-31	158	---
	LP-31	LPB-26	14	---
	LPB-26	LPB-28	---	56
	LPB-28	LP-34	97	---
		TOTALS	4,010	541

INSTALL CONDUIT INTO EXISTING ITEM

CATEGORY	LOCATION	STATION	OFFSET	652.0700.S EACH
0020	STUB	74+08.0	48.9'RT	1
	LPB-5	74+16.0	23.0'LT	1
			TOTAL	2

LIGHTING PULL BOXES

CATEGORY	PULL BOX NUMBER	LOCATION* STATION	LOCATION* OFFSET	653.0140 PULL BOXES STEEL 24X42-INCH EACH
0020	LPB-7	72+27.1	21.8' RT	1
	LPB-8	72+21.6	45.8' LT	1
	LPB-9	71+76.9	45.5' LT	1
	LPB-10	71+71.5	22.8' RT	1
	LPB-11	69+23.4	31.7' LT	1
	LPB-12	69+17.4	31.5' LT	1
	LPB-13	68+76.5	31.7' LT	1
	LPB-14	68+78.2	32.0' RT	1
	LPB-15	66+22.1	38.1' RT	1
	LPB-16	66+18.5	41.4' LT	1
	LPB-17	65+45.4	27.0' RT	1
	LPB-18	65+67.2	40.9' LT	1
	LPB-19	62+14.5	31.8' RT	1
	LPB-20	61+65.7	31.6' RT	1
	LPB-21	56+44.1	31.9' RT	1
	LPB-22	56+33.1	31.4' LT	1
	LPB-23	55+84.3	30.9' LT	1
	LPB-24	55+93.7	31.9' RT	1
	LPB-25	53+41.2	51.5' RT	1
	LPB-26	53+52.1	24.7' LT	1
	LPB-27	52+92.1	45.0' RT	1
	LPB-28	52+98.0	23.7' LT	1
			TOTAL	22

*FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

REMOVING PULL BOXES

CATEGORY	STATION - STATION	LOCATION	653.0905 EACH
0010	51+05 - 55+25	RT/LT	3

STREET LIGHTING WIRE SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF	* 655.0630 ELECTRICAL WIRE SPARE 4 AWG LF
0020	LCB-1	LP-1	156	156
	LCB-1	LP-2	346	346
	LP-2	LP-5	466	466
	LP-5	LP-7	438	438
	LP-7	LP-9	246	246
	LP-9	LP-11	352	352
	LP-11	LP-13	316	316
	LP-13	LP-15	386	386
	LP-15	LP-17	432	432
	LP-17	LP-19	252	252
	LP-19	LP-20	342	342
	LP-20	LP-22	388	388
	LP-22	LP-24	402	402
	LP-24	LP-27	402	402
	LP-27	LP-28	144	144
	LP-28	LP-30	320	320
	LP-30	LP-32	198	198
	LP-32	LP-33	226	226
	LCB-1	LP-3	348	348
	LP-3	LP-4	466	466
	LP-4	LP-6	516	516
	LP-6	LP-8	320	320
	LP-8	LP-10	356	356
	LP-10	LP-12	330	330
	LP-12	LP-14	432	432
	LP-14	LP-16	270	270
	LP-16	LP-16	400	400
	LP-18	LP-18	378	378
	LP-21	LP-23	394	394
	LP-23	LP-25	390	390
	LP-25	LP-26	134	134
	LP-26	LP-29	352	352
	LP-29	LP-31	328	328
	LP-31	LP-34	396	396
		TOTALS	11,622	11,622
		ITEM TOTAL	23,244	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STREET LIGHTING SUMMARY

CATEGORY	LP. NO.	STATION	LOCATION	SPV.0060.005 LIGHT UNIT WISCONSIN RAPIDS EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	655.0610 ELECTRICAL WIRE FESTOON 12 AWG LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG (GROUND) LF
0020	LP-4	73+53.00	23.0' LT	1	58	58	29
	LP-5	72+39.91	18.5' RT	1	58	58	29
	LP-6	71+53.43	23.0' LT	1	58	58	29
	LP-7	70+50.00	16.7' RT	1	58	58	29
	LP-8	70+00.00	21.0' LT	1	58	58	29
	LP-9	69+33.17	21.1' RT	1	58	58	29
	LP-10	68+92.00	17.5' LT	1	58	58	29
	LP-11	67+94.00	22.0' RT	1	58	58	29
	LP-12	67+05.00	23.4' LT	1	58	58	29
	LP-13	66+42.45	22.3' RT	1	58	58	29
	LP-14	65+41.50	21.6' LT	1	58	58	29
	LP-15	64+90.84	27.0' RT	1	58	58	29
	LP-16	63+96.60	27.0' LT	1	58	58	29
	LP-17	62+95.00	27.0' RT	1	58	58	29
	LP-18	62+00.00	27.0' LT	1	58	58	29
	LP-19	62+16.22	63.5' RT	1	58	58	29
	LP-20	61+08.00	27.0' RT	1	58	58	29
	LP-21	60+17.00	27.0' LT	1	58	58	29
	LP-22	59+20.00	27.0' RT	1	58	58	29
	LP-23	58+28.00	27.0' LT	1	58	58	29
	LP-24	57+26.00	27.0' RT	1	58	58	29
	LP-25	56+41.27	20.3' LT	1	58	58	29
	LP-26	56+33.57	67.8' LT	1	58	58	29
	LP-27	55+99.23	71.7' RT	1	58	58	29
	LP-28	55+85.40	20.1' RT	1	58	58	29
	LP-29	55+21.00	27.0' LT	1	58	58	29
	LP-30	54+35.00	29.0' RT	1	58	58	29
	LP-31	53+65.87	19.9' LT	1	58	58	29
	LP-32	53+44.02	43.5' RT	1	58	58	29
	LP-33	52+75.55	20.0' RT	1	58	58	29
	LP-34	51+98.57	20.0' LT	1	58	58	29
			TOTALS	31	1,798	1,798	899
			ITEM TOTAL	31		4,495	

EQUIPMENT GROUNDING AND GROUNDED CONDUCTORS

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0630 ELECTRICAL WIRE LIGHTING 4 AWG LF
0020	LCB-1	LP-1	78
	LCB-1	LP-2	173
	LP-2	LP-5	233
	LP-5	LP-7	219
	LP-7	LP-9	123
	LP-9	LP-11	176
	LP-11	LP-13	158
	LP-13	LP-15	193
	LP-15	LP-17	216
	LP-17	LP-19	126
	LP-19	LP-20	171
	LP-20	LP-22	194
	LP-22	LP-24	201
	LP-24	LP-27	201
	LP-27	LP-28	72
	LP-28	LP-30	160
	LP-30	LP-32	99
	LP-32	LP-33	113
	LCB-1	LP-3	174
	LP-3	LP-4	233
	LP-4	LP-6	258
	LP-6	LP-8	160
	LP-8	LP-10	178
	LP-10	LP-12	165
	LP-12	LP-14	216
	LP-14	LP-16	135
	LP-16	LP-16	200
	LP-18	LP-18	189
	LP-21	LP-23	197
	LP-23	LP-25	195
	LP-25	LP-26	67
	LP-26	LP-29	176
	LP-29	LP-31	164
	LP-31	LP-34	198
		TOTAL	5,811

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

ADJUSTING VALVE BOX

CATEGORY	STATION	OFFSET	SPV.0060.016 EACH
0030	53+17	85'RT	1
	53+37	55'LT	1
	53+85	16'LT	1
	53+88	13'LT	1
	55+55	14'LT	1
	56+27	51'RT	1
	56+80	17'LT	1
	56+83	14'LT	1
	61+84	19'LT	1
	61+87	14'LT	1
	65+38	8'LT	1
	66+04	209'RT	1
	66+06	104'LT	1
	66+55	18'LT	1
	66+58	10'LT	1
	68+53	18'LT	1
	68+56	10'LT	1
	68+88	49'RT	1
	69+06	37'LT	1
	71+93	31'RT	1
	72+08	41'LT	1
	72+57	11'LT	1
	72+60	7'RT	1
		TOTAL	23

STREET LIGHTING WIRE SUMMARY

CATEGORY	LOCATION FROM	LOCATION TO	* 655.0630 ELECTRICAL WIRE FESTOON 4 AWG LF
0020	LCB-1	LP-1	116
	LCB-1	LP-2	306
	LP-2	LP-5	466
	LP-5	LP-7	438
	LP-7	LP-9	246
	LP-9	LP-11	352
	LP-11	LP-13	316
	LP-13	LP-15	386
	LP-15	LP-17	432
	LP-17	LP-19	252
	LP-19	LP-20	342
	LP-20	LP-22	388
	LP-22	LP-24	402
	LP-24	LP-27	402
	LP-27	LP-28	144
	LP-28	LP-30	320
	LP-30	LP-32	198
	LP-32	LP-33	226
	LCB-1	LP-3	288
	LP-3	LP-4	466
	LP-4	LP-6	516
	LP-6	LP-8	320
	LP-8	LP-10	356
	LP-10	LP-12	330
	LP-12	LP-14	432
	LP-14	LP-16	270
	LP-16	LP-16	400
	LP-18	LP-18	378
	LP-21	LP-23	394
	LP-23	LP-25	390
	LP-25	LP-26	134
	LP-26	LP-29	352
	LP-29	LP-31	328
	LP-31	LP-34	396
		TOTAL	11,482

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

CABLE REMOVAL

CATEGORY	LOCATION FROM	LOCATION TO	674.0300 REMOVE CABLE LF
0020	LCB-1	LPB-1	30
	LPB-1	LP-1	24
	LPB-1	LPB-4	90
	LPB-4	LP-2	21
	LPB-4	STUB	36
	LPB-4	LPB-5	88
	LPB-1	LPB-6	82
	LPB-6	LP-3	28
	LPB-6	LPB-5	123
		TOTAL	522

MANHOLE COVERS TYPE JB

CATEGORY	STATION	OFFSET	* SPV.0060.015 EACH	REMARKS
0030	54+25	15'RT	1	SANITARY MANHOLE
	56+19	15'RT	1	SANITARY MANHOLE
	61+38	21'RT	1	SANITARY MANHOLE
	68+96	2'LT	1	SANITARY MANHOLE
	72+00	2'LT	1	SANITARY MANHOLE
	73+97	2'LT	1	SANITARY MANHOLE
		TOTAL	6	

* ADDITIONAL QUANTITIES LISTED ELSEWHERE

EXCAVATING, LOADING, HAULING, AND LANDFILL TREATMENT OR DISPOSAL OF PETROLEUM CONTAMINATED SOIL

CATEGORY	STATION - STATION	LOCATION	SPV.0195.001 TON
0030	56+00 - 57+00	RT	53

EXCAVATING, LOADING, HAULING, AND LANDFILL TREATMENT OR DISPOSAL OF CHLORINATED SOLVENT CONTAMINATED SOIL

CATEGORY	STATION - STATION	LOCATION	SPV.0195.002 TON
0030	60+00 - 64+00	LT	150

SAWING ASPHALT

CATEGORY	STATION - STATION	LOCATION	690.0150 LF
0010	51+05 - 55+25	RT/LT	105
	55+25 - 61+00	RT/LT	115
	61+00 - 65+00	RT/LT	115
	65+00 - 70+00	RT/LT	550
	70+00 - 74+16.67	RT/LT	240
	UNDISTRIBUTED		120
		TOTAL	1,245

SALVAGE AND REPLACE CONCRETE BUMPERS

CATEGORY	STATION - STATION	LOCATION	SPV.0060.004 EACH
0010	65+00 - 70+00	LT	5

REMOVE AND TRANSPORT TRAFFIC SIGNALS, LINCOLN/JACKSON STREET & E. GRAND AVENUE

CATEGORY	LOCATION	SPV.0105.001 LS
0010	LINCOLN/JACKSON STREET & E. GRAND AVENUE	1

REMOVE AND TRANSPORT STUB POLES, 3RD STREET & E. GRAND AVENUE

CATEGORY	LOCATION	SPV.0105.002 LS
0010	3RD STREET & E. GRAND AVENUE	1

TEMPORARY LIGHTING

CATEGORY	PROJECT	SPV.0105.003 LS
0020	6999-07-89	1

SAWING CONCRETE

CATEGORY	STATION - STATION	LOCATION	690.0250 LF
0010	51+05 - 55+25	RT/LT	595
	55+25 - 61+00	RT/LT	555
	61+00 - 65+00	RT/LT	210
	65+00 - 70+00	RT/LT	710
	70+00 - 74+16.67	RT/LT	295
	UNDISTRIBUTED		240
		TOTAL	2,605

LIGHTING CONTROL CABINET MODIFICATIONS

CATEGORY	LOCATION	SPV.0060.006 EACH
0020	LCB-1	1

RESEARCH AND LOCATE EXISTING PROPERTY MONUMENTS

CATEGORY	SPV.0105.004 LS
0010	1

VERIFY AND REPLACE EXISTING PROPERTY MONUMENTS

CATEGORY	SPV.0105.005 LS
0010	1

UTILITY LINE OPENING (ULO)

CATEGORY	STATION - STATION	LOCATION	SPV.0060.002 EACH	REMARKS
0010	UNDISTRIBUTED	RT/LT	6	LOCATING GAS MAIN

STREET SWEEPING

CATEGORY	LOCATION	SPV.0075.001 HRS
0010	UNDISTRIBUTED	80

RECONNECT STORM SEWER LATERALS

CATEGORY	STATION - STATION	LOCATION	SPV.0060.001 EACH
0010	UNDISTRIBUTED	RT/LT	4

PROTECTION OF PRIVATE SPRINKLER SYSTEMS (PARCEL)

CATEGORY	APPROXIMATE STATION-STATION	SPV.0060.008 PARCEL 3 EACH	SPV.0060.009 PARCEL 12 EACH	SPV.0060.010 PARCEL 13 EACH	SPV.0060.011 PARCEL 16 EACH
0010	53+50 - 55+00 LT	1	---	---	---
	56+50 - 65+50 LT	---	1	---	---
	58+00 - 60+00 RT	---	---	1	---
	62+25 - 65+50 RT	---	---	---	1
	TOTALS	1	1	1	1

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
6999-07-19		
FEDERAL PROJECT NUMBER	4.01	8

PLAT OF RIGHT-OF-WAY REQUIRED FOR

C WISCONSIN RAPIDS
E GRAND AVENUE
3RD STREET TO 8TH STREET

LOC STR WOOD COUNTY

CONSTRUCTION PROJECT NUMBER
6999-07-89

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RECORDED AS	(100')
ACCESS RIGHTS	AR	REFERENCE LINE	R/L
ACRES	AC.	RELEASE OF RIGHTS	ROR
AND OTHERS	ET.AL.	REMAINING	REM.
CENTERLINE	C/L	RIGHT-OF-WAY	R/W
CERTIFIED SURVEY MAP	CSM	SECTION	SEC.
CHISELED X	CHIS. X	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	DOC.	VOLUME	V.
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LC
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
REBAR	RBR.	TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (SIZE NOTED ON DETAILS)

R/W MONUMENT (TO BE SET)

NON-MONUMENTED R/W POINT

SIGN (SIGN)

SECTION CORNER MONUMENT

SECTION CORNER SYMBOL

NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)

TEMPORARY LIMITED EASEMENT AREA

EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPEMENT)

R/W BOUNDARY POINT (100)

PARCEL NUMBER (02)

UTILITY NUMBER (92)

OFF PREMISE SIGN (21-X-SIGN)

BRIDGE

SIGNAL CONTROL CABINET

SIGNAL LIGHT

PULL BOX

NEW R/W LINE

EXISTING R/W OR H.E. LINE

PROPERTY LINE (PL)

LOT, TIE & OTHER MINOR LINES

SLOPE INTERCEPTS

CORPORATE LIMITS

ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)

ACCESS RESTRICTED BY ACQUISITION

NO ACCESS (BY STATUTORY AUTHORITY)

SECTION LINE

QUARTER LINE

SIXTEENTH LINE

EXISTING CENTERLINE

NEW REFERENCE LINE

PARALLEL OFFSET

TRANSMISSION STRUCTURES

BUILDING TO BE REMOVED

GEODETIC SURVEY MONUMENT

SIXTEENTH CORNER MONUMENT

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	—W—	
GAS	—G—	
TELEPHONE	—T—	
OVERHEAD TRANSMISSION LINES	—OH—	
ELECTRIC	—E—	
CABLE TELEVISION	—TV—	
FIBER OPTIC	—FO—	
SANITARY SEWER	—SAN—	
STORM SEWER	—SS—	
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		
LIGHT POLE	*	*

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83/91 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 3/4" X 24" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

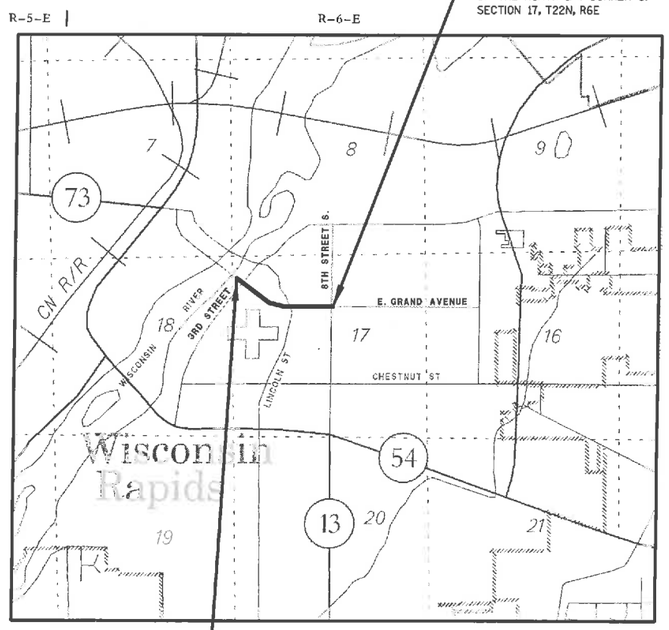
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

EXISTING HIGHWAY RIGHT-OF-WAY FOR 8TH STREET ESTABLISHED FROM EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENT'S PLAT OF GRAND RAPIDS, CSM 562, CSM 504, CSM 505, QUIT CLAIM DEED DOC. 879475.

EXISTING HIGHWAY RIGHT-OF-WAY FOR EAST GRAND AVENUE ESTABLISHED FROM EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENT'S PLAT OF GRAND RAPIDS, CSM 504, QUIT CLAIM DEED DOC. 879475.

A TEMPORARY LIMITED EASEMENT (T.L.E.) 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 (T.L.E.'S) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

END RELOCATION ORDER
STA. 74+50.00
2363.24 FEET SOUTH AND 78.79 FEET WEST OF THE NORTH 1/4 CORNER OF SECTION 17, T22N, R6E



BEGIN RELOCATION ORDER
STA. 50+54.97
1419.50 FEET SOUTH AND 612.63 FEET EAST OF THE NORTHWEST CORNER OF SECTION 17, T22N, R6E

N

LAYOUT
SCALE 0 1/2 MI.

TOTAL NET LENGTH OF CENTERLINE 0.454 MI.

ACCEPTED FOR
CITY OF WISCONSIN RAPIDS

DATE: 10/18/18 (Signature)

ORIGINAL PLAT PREPARED BY

WISCONSIN
HEATHER S. BARTELT
S-2797
MADISON
WI
LAND SURVEYOR

01/04/18

REVISION DATE
10/4/18 N.C.

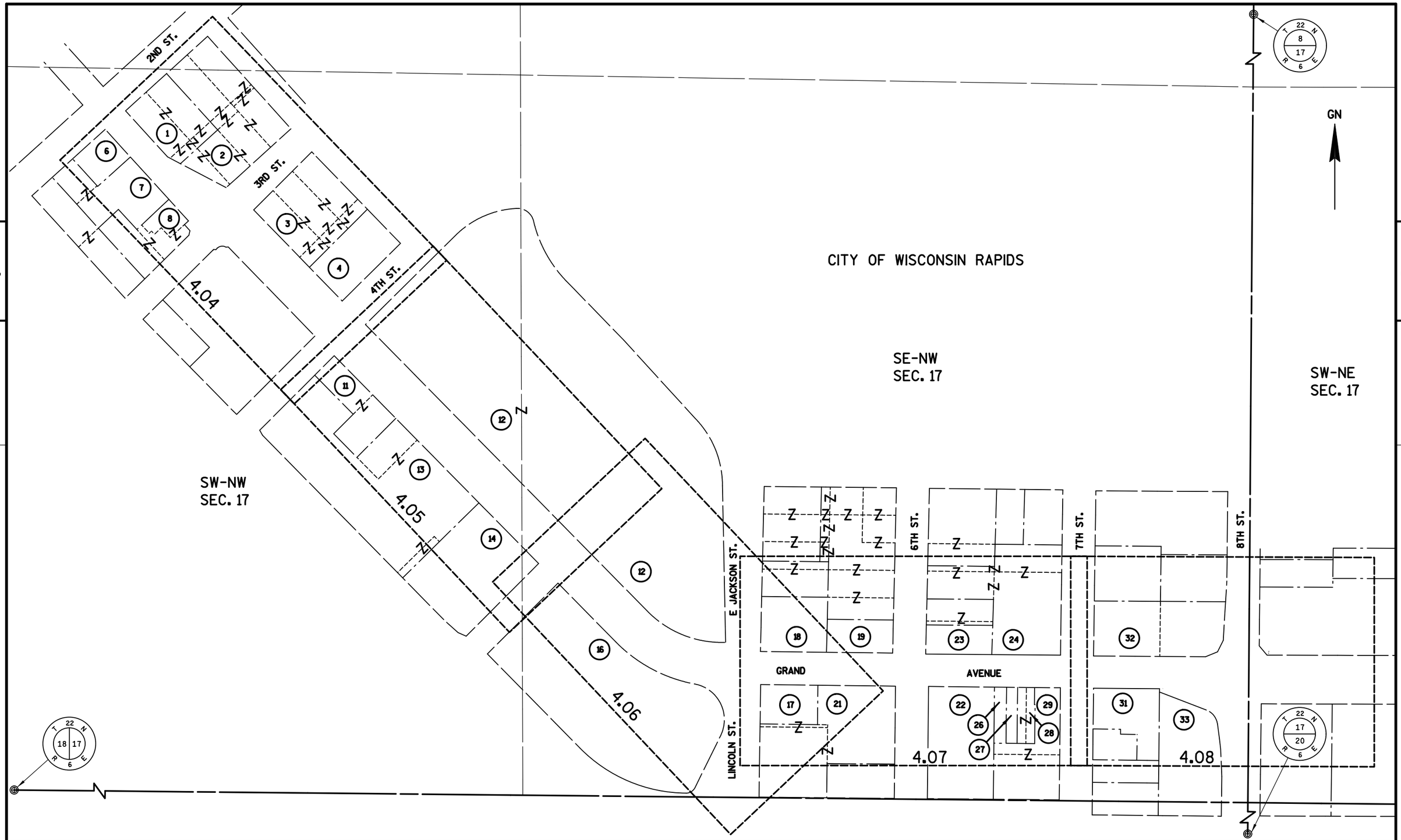
SCHEDULE OF LANDS & INTERESTS REQUIRED

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

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W REQUIRED (ACRES OR S.F.)			H.E. ACRES	T.L.E. ACRES	P.L.E. ACRES
				NEW	EXISTING	TOTAL			
1	4.04	WOOD COUNTY REALTY, INC.	TLE	---	---	---	---	105 S.F.	---
2	4.04	WOOD COUNTY NATIONAL BANK	TLE	---	---	---	---	115 S.F.	---
3	4.04	THE RECTOR, WARDENS & VESTRYMEN OF THE CHURCH OF ST. JOHN THE EVANGELIST	TLE	---	---	---	---	865 S.F.	---
4	4.04	CHURCH OF ST. JOHN EVANGELIST	TLE	---	---	---	---	503 S.F.	---
6	4.04	WOOD COUNTY REALTY, INC.	TLE	---	---	---	---	71 S.F.	---
7	4.04	ROGER'S CINEMA, INC.	TLE	---	---	---	---	12 S.F.	---
8	4.04	LEON S. SCHMIDT, SR. FAMILY TRUST	TLE	---	---	---	---	427 S.F.	---
11	4.05	RELAXED, LLC.	TLE	---	---	---	---	1398 S.F.	---
12	4.05	SKD HOTEL MEAD, LLC.	TLE	---	---	---	---	3574 S.F.	---
13	4.05	WOOD COUNTY TELEPHONE COMPANY	TLE	---	---	---	---	1130 S.F.	---
14	4.05	COMMUNITY PROPOERTY, INC.	TLE	---	---	---	---	1018 S.F.	---
12	4.06	SKD HOTEL MEAD, LLC.	TLE	---	---	---	---	1551 S.F.	---
16	4.06	CITY OF WISCONSIN RAPIDS	TLE	---	---	---	---	2917 S.F.	---
17	4.07	LIAM'S PARK, LLC.	FEE, TLE	323 S.F.	---	323 S.F.	---	1343 S.F.	---
18	4.07	MARCELENE C. VAN DYN HOVEN REVOCABLE TRUST	FEE, TLE	115 S.F.	---	115 S.F.	---	2108 S.F.	---
19	4.07	PATRICK J. ANHALT	TLE	---	---	---	---	1097 S.F.	---
21	4.07	MID WAY CENTER RENTALS LLC.	TLE	---	---	---	---	1658 S.F.	---
22	4.07	TJ'S RENTALS, LLC.	TLE	---	---	---	---	1849 S.F.	---
23	4.07	MICHAEL J. & DENISE L. KLEIBER	TLE	---	---	---	---	2384 S.F.	---
24	4.07	BUETTGEN WISCONSIN RAPIDS PROPERTIES, LLC.	TLE	---	---	---	---	635 S.F.	---
26	4.07	COREY J. & CHRISTINE A. STAFFON	TLE	---	---	---	---	145 S.F.	---
27	4.07	ROBERT W. & ROXANE M. WAPPLER	TLE	---	---	---	---	133 S.F.	---
28	4.07	DAVID E. KEEL	TLE	---	---	---	---	208 S.F.	---
29	4.07	JANICE M. RETZLAFF REVOCABLE TRUST	TLE	---	---	---	---	345 S.F.	---
31	4.08	710 E. GRAND, LLC.	FEE, TLE	268 S.F.	---	268 S.F.	---	1119 S.F.	---
32	4.08	WOOD COUNTY	TLE	---	---	---	---	1886 S.F.	---
33	4.08	INDERBANS S. & KULJEET K. BRAR	FEE, TLE	18 S.F.	---	18 S.F.	---	2170 S.F.	---

UTILITY INTERESTS REQUIRED

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED
100	4.05	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS
101	4.05	SOLARUS - COMMUNICATIONS	RELEASE OF RIGHTS



REVISION DATE 10/4/18	DATE 01/04/18	NOT TO SCALE	HWY: LOC STR	STATE R/W PROJECT NUMBER 6999-07-19	PLAT SHEET 4.03
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6999-07-89	PS&E SHEET 113 E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\040103_rp.dgn PLOT DATE : 10/4/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

PI STA. 50+54.99
Y = 451944.30
X = 729763.12
DELTA = 0°14'17" RT

P.I. = 52+02.33
Y = 451,835.32
X = 729,862.25
DELTA = 15° 32' 22" (LT)
D = 16° 22' 13"
T = 47.76'
L = 94.92'
R = 350.00'
P.C. = 51+54.57
P.T. = 52+49.50

P.I. = 53+34.04
Y = 451,764.88
X = 729,974.24
DELTA = 13° 39' 13" (RT)
D = 16° 22' 13"
T = 41.90'
L = 83.41'
R = 350.00'
P.C. = 52+92.14
P.T. = 53+75.54

PI STA. 55+80.91
Y = 451587.54
X = 730146.56
DELTA = 0°21'06" LT

TLE COURSE TABLE			
101-TLE100	S	42° 17'28" E	50.02'
TLE100-TLE101	N	47° 42'32" E	3.00'
TLE101-TLE102	S	42° 17'28" E	56.67'
TLE102-TLE103	S	62°20'33" E	55.47'
TLE103-TLE104	S	26°59'02" W	5.00'
TLE104-103	S	62°20'33" E	69.68'
106-TLE126	N	45°00'53" E	25.00'
TLE126-TLE105	S	44°10'36" E	5.00'
TLE105-TLE106	S	45°00'53" W	20.00'
TLE106-TLE107	S	44°10'36" E	70.43'
TLE107-TLE108	N	45°49'24" E	5.00'
TLE108-TLE109	S	44°10'36" E	15.00'
TLE109-TLE110	S	45°49'24" W	5.00'
TLE110-TLE111	S	44°10'36" E	135.31'
TLE111-TLE112	N	45°17'12" E	15.00'
TLE112-TLE124	S	44°10'36" E	5.00'
TLE124-107	S	45°17'12" W	20.00'
123-TLE128	S	45°20'17" W	22.68'
TLE128-TLE118	N	44°39'43" W	8.00'
TLE118-TLE119	N	45°20'17" E	20.99'
TLE119-TLE120	N	42°17'28" W	15.01'
TLE120-TLE121	N	45°20'17" E	15.01'
TLE121-TLE122	N	42°17'28" W	170.86'
TLE122-TLE123	N	47°42'32" E	4.00'
TLE123-127	N	42°17'28" W	50.05'

POINT #	STATION	OFFSET
TLE100	51+05.00	-25.00'
TLE101	51+05.00	-28.00'
TLE102	51+62.29	-27.92'
TLE103	52+22.11	-41.29'
TLE104	52+23.05	-36.36'
TLE105	53+57.63	-65.54'
TLE106	53+56.97	-45.56'
TLE107	54+25.00	-45.00'
TLE108	54+25.00	-50.00'
TLE109	54+40.00	-50.00'
TLE110	54+40.00	-45.00'
TLE111	55+75.31	-45.00'
TLE112	55+75.17	-60.00'
TLE118	52+71.08	86.72'
TLE119	52+75.86	66.28'
TLE120	52+61.40	62.26'
TLE121	52+64.82	47.64'
TLE122	51+05.00	29.00'
TLE123	51+05.00	25.00'
TLE124	55+80.17	-60.00'
TLE126	53+53.43	-65.83'
TLE128	52+78.87	88.54'

POINT #	STATION	OFFSET	NORTHING	EASTING
100	50+54.97	0.00'	451944.32	729763.10
101	50+54.99	-25.00'	451961.14	729781.60
102	51+69.06	-24.72'	451877.51	729857.67
103	52+94.94	-42.75'	451821.68	729964.19
106	53+52.33	-40.86'	451781.28	730014.08
107	55+80.36	-40.00'	451615.81	730174.86
110	56+40.60	-40.00'	451573.03	730216.93
111	56+40.88	0.00'	451544.79	730188.61
112	56+41.15	40.00'	451516.54	730160.28
115	55+91.15	40.06'	451552.14	730125.17
116	53+64.87	39.86'	451713.73	729968.16
117	53+61.34	43.05'	451713.59	729963.71
118	53+49.48	54.62'	451711.96	729948.37
119	53+49.17	58.45'	451709.26	729945.64
120	53+45.31	61.22'	451709.28	729941.40
123	52+84.04	66.46'	451735.24	729896.53
124	52+81.37	58.47'	451743.42	729898.53
125	52+66.92	54.45'	451754.52	729888.44
126	52+69.60	44.82'	451761.25	729895.83
127	50+54.85	25.00'	451927.51	729744.59

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83/91 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1.5" IRON PIPES UNLESS OTHERWISE NOTED

2ND STREET
CITY
SW-NW SEC. 17
60'
LOT 1
LOT 2
LOT 3
LOT 4
LOT 5
LOT 6
LOT 8
NEEVES 1ST & 2ND ADDITION BLOCK 14
FOUND 1" REBAR
Y = 453363.822
X = 729150.470
BEGIN RELOCATION ORDER
STA. 50+54.97
Y = 451944.32
X = 729763.10
1 WOOD COUNTY REALTY, INC.
2 WOOD COUNTY NATIONAL BANK
3 THE RECTOR, WARDENS & VESTRYMEN OF THE CHURCH OF ST. JOHN THE EVANGELIST
4 CHURCH OF ST. JOHN EVANGELIST
6 WOOD COUNTY REALTY, INC.
7 ROGER'S CINEMA, INC.
8 LEON S. SCHMIDT, SR. FAMILY TRUST
3RD STREET
4TH STREET
VARIES
TLE-SLOPES 115 S.F.
TLE-SLOPES 105 S.F.
TLE-SLOPES 865 S.F.
TLE-SLOPES 503 S.F.
TLE-SLOPES 71 S.F.
TLE-SLOPES 12 S.F.
TLE-SLOPES 427 S.F.
BUILDING NOT INCLUDED
SLOPE INTERCEPTS (TYP.)
S 50° 59' 42" E 64.19'
S 62° 20' 33" E 120.26'
S 42° 17' 28" E 113.05'
S 44° 10' 36" E 230.72'
S 44° 31' 33" E 60.00'
S 45° 04' 48" W 40.00'
S 23°20'39" E 1540.06' SEC. COR. TO R
S 01°17'01" E 2632.03' SEC. COR. TO QTR. COR.
N 47° 44' 31" E 25.00'
S 42° 31' 45" E R
S 42° 17' 28" E R
S 57° 49' 49" E R
S 44° 10' 36" E R
S 44° 31' 42" E R
PI 50+54.99
PC 51+54.57
PT 52+49.50
PI 52+02.33
PC 52+92.14
PT 53+75.54
PI 53+34.04
PI 55+80.91
51+00
52+00
53+00
54+00
55+00
56+00
50'
80'
R = 12.50'
L = 16.62'
LC = 15.42'
LCB = S 83° 56' 13" W
S 88°06'10" W 4.46'
N 47° 42' 32" E 10.00'
N 42° 17' 28" W 15.00'
N 13° 43' 46" E 8.42'
N 59°56'50" W 51.83'
S 45° 20' 17" W 3.84'
N 89° 39' 43" W 4.24'
N 44° 10' 36" W 225.31'
N 44° 36' 04" W 50.00'
MAG NAIL
CHIS. X
N 42° 17' 28" W 224.76'
NOT FOUND RECORD COORDINATE
Y = 448073.410
X = 731800.760
LOT 1 CSM 4250 V.15, P.50 DOC. 690221
LOT 2 CSM 6468 V.22, P.168 DOC. 824444
LOT 2 NEEVES 1ST & 2ND ADDITION BLOCK 16
LOT 7
LOT 26
LOT 32
LOT 33
LOT 35 EAST SIDE ASSESSOR'S PLAT NO. "33"
EAST SIDE ASSESSOR'S PLAT NO. "33"
E. GRAND AVENUE
WISCONSIN RAPIDS

BASIS OF EXISTING R/W	
EAST GRAND AVE.	EAST SIDE ASSESSOR'S PLAT NO. 33, NEEVES 1ST & 2ND ADDITION
2ND STREET	EAST SIDE ASSESSOR'S PLAT NO. 33, NEEVES 1ST & 2ND ADDITION
3RD STREET	EAST SIDE ASSESSOR'S PLAT NO. 33, NEEVES 1ST & 2ND ADDITION
4TH STREET	EAST SIDE ASSESSOR'S PLAT NO. 33, NEEVES 1ST & 2ND ADDITION, EAST SIDE ASSESSOR'S PLAT NO. 38, & CSM 6468

REVISION DATE 10/4/18	DATE 01/04/18	SCALE, FEET 0 40	HWY: LOC STR	STATE R/W PROJECT NUMBER 6999-07-19	PLAT SHEET 4.04
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6999-07-89	PS&E SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\040104_rp.dgn PLOT DATE : 10/4/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

POINT #	STATION	OFFSET	NORTHING	EASTING
110	56+40.60	-40.00'	451573.03	730216.93
111	56+40.88	0.00'	451544.79	730188.61
112	56+41.11	40.00'	451516.54	730160.28
200	61+70.45	-40.00'	451195.30	730588.49
201	61+70.45	0.00'	451167.25	730559.98
202	61+70.45	40.00'	451139.20	730531.46

POINT #	STATION	OFFSET
TLE200	56+45.50	-72.00'
TLE201	56+45.59	-45.00'
TLE202	57+40.00	-45.00'
TLE203	57+40.00	-60.00'
TLE204	57+95.00	-60.00'
TLE205	57+95.00	-45.00'
TLE206	61+70.45	-45.00'
TLE207	61+70.68	65.00'
TLE208	61+62.68	65.00'
TLE209	61+62.54	50.00'
TLE210	60+05.00	50.00'
TLE211	60+05.00	45.00'
TLE212	56+56.20	45.00'
TLE213	56+56.56	85.00'
TLE214	56+40.50	-72.00'
TLE215	56+41.56	85.00'

TLE COURSE TABLE			
110-TLE214	N	45°17'12" E	32.00'
TLE214-TLE200	S	44°31'42" E	5.00'
TLE200-TLE201	S	45°17'12" W	27.00'
TLE201-TLE202	S	44°31'42" E	94.41'
TLE202-TLE203	N	45°28'18" E	15.00'
TLE203-TLE204	S	44°31'42" E	55.00'
TLE204-TLE205	S	45°28'18" W	15.00'
TLE205-TLE206	S	44°31'42" E	375.45'
TLE206-200	S	45°28'18" W	5.00'
202-TLE207	S	44°56'02" W	25.00'
TLE207-TLE208	N	44°31'42" W	8.00'
TLE208-TLE209	N	44°56'02" E	15.00'
TLE209-TLE210	N	44°31'42" W	157.54'
TLE210-TLE211	N	45°28'18" E	5.00'
TLE211-TLE212	N	44°31'42" W	348.80'
TLE212-TLE213	S	44°57'16" W	40.00'
TLE213-TLE215	N	44°31'42" W	15.00'
TLE215-112	N	44°58'10" E	45.00'

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83/91 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 3/4" REBAR UNLESS OTHERWISE NOTED

CITY OF WISCONSIN RAPIDS

4TH STREET

E. GRAND AVENUE

GARFIELD STREET

100 CHARTER COMMUNICATIONS EASEMENT V.624, P.397-405 DOC. 722147 PARCEL 12

101 SOLARUS - COMMUNICATIONS NO RECORDED EASEMENT PARCEL 12

12 SKD HOTEL MEAD, LLC

LOT 1 CSM 6468 V.22, P.168 DOC. 824444

1/16TH LINE STA. 60+86.36

SW-NW SEC. 17

SE-NW SEC. 17

TLE-SLOPES 3574 S.F.

BUILDING NOT INCLUDED

FOUND 1" REBAR Y = 453363.822 X = 729150.470

S 29°42'50" E 2094.43' SEC. COR. TO R

S 0°47'01" E 2632.03' SEC. COR. TO QTR. COR.

S 44° 31' 42" E 529.85'

N 44° 31' 42" W 529.29'

S 44° 31' 42" E R

N 45° 04' 48" E 40.00'

S 45° 28' 18" W 40.00'

80'

60'

50'

SLOPE INTERCEPTS (TYP.)

CHIS. X

1" REBAR

TLE-SLOPES 1398 S.F.

TLE-SLOPES 1130 S.F.

TLE-SLOPES 1018 S.F.

11 RELAXED, LLC

13 WOOD COUNTY TELEPHONE COMPANY

14 COMMUNITY PROPERTY, INC.

LOT 31

LOT 30

LOT 29

LOT 28

EAST SIDE ASSESSOR'S PLAT NO. "38"

LOT 1 CSM 8429 V.29, P.29 DOC. 2006R0410

NOT FOUND RECORD COORDINATE Y = 448073.410 X = 731800.760

BASIS OF EXISTING R/W	
EAST GRAND AVE.	EAST SIDE ASSESSOR'S PLAT NO. 38, EAST SIDE ASSESSOR'S PLAT NO. 37, CSM 6468, & CSM 8429
4TH STREET	EAST SIDE ASSESSOR'S PLAT NO. 33, NEEVES 1ST & 2ND ADDITION, EAST SIDE ASSESSOR'S PLAT NO. 38, & CSM 6468
GARFIELD STREET	EAST SIDE ASSESSOR'S PLAT NO. 38, CSM 1 & CSM 8429

REVISION DATE 10/4/18 N.C.	DATE 01/04/18	SCALE, FEET 0 40	HWY: LOC STR	STATE R/W PROJECT NUMBER 6999-07-19	PLAT SHEET 4.05
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6999-07-89	PS&E SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\040105_rp.dgn PLOT DATE : 10/4/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83/91 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1.25" IRON PIPES UNLESS OTHERWISE NOTED

P.I. = 64+73.20
Y = 450,951.42
X = 730,772.28
DELTA = 44° 47' 31" (LT)
D = 24° 54' 40"
T = 94.78'
L = 179.81'
R = 230.00'
P.C. = 63+78.42
P.T. = 65+58.22

CURVE 1 (TLE311-TLE312)
R = 189.22'
L = 108.53'
LC = 107.05'
LCB = S 74°09' 42" E

POINT #	STATION	OFFSET	NORTHING	EASTING
200	61+70.45	-40.00'	451195.30	730588.49
201	61+70.45	0.00'	451167.25	730559.98
202	61+70.45	40.00'	451139.20	730531.46
301	65+55.80	123.37'	450827.00	730861.87
302	65+12.69	35.56'	450920.55	730814.47
303	63+70.09	40.00'	450996.88	730671.46
304	62+20.45	40.00'	451103.56	730566.53
305	63+70.29	-40.00'	451052.84	730728.63
306	65+61.44	-45.85'	450996.11	730870.81
308	66+25.16	-58.56'	451008.06	730934.68
309	66+24.85	-30.00'	450979.51	730934.03
310	66+25.36	0.00'	450949.50	730934.19
311	66+25.88	30.00'	450919.50	730934.35
312	66+25.74	89.81'	450859.69	730933.50

POINT #	STATION	OFFSET
TLE206	61+70.45	-45.00'
TLE300	65+52.83	121.29'
TLE301	65+55.65	83.92'
TLE302	65+44.69	56.47'
TLE303	65+22.34	41.51'
TLE304	64+93.03	43.15'
TLE305	64+53.53	44.40'
TLE306	64+14.23	45.70'
TLE307	63+91.59	46.45'
TLE308	62+26.51	46.00'
TLE309	62+26.83	80.00'
TLE310	62+20.83	80.00'
TLE311	64+22.08	-41.62'
TLE312	65+56.00	-45.66'
TLE313	65+48.48	-126.56'
TLE314	65+58.84	-126.82'

TLE COURSE TABLE		
301-TLE300	N 63° 47' 23" W	5.00'
TLE300-TLE301	N 7° 53' 20" E	37.59'
TLE301-TLE302	N 24° 50' 01" W	30.95'
TLE302-TLE303	N 54° 17' 41" W	30.95'
TLE303-TLE304	N 79° 25' 46" W	34.73'
TLE304-TLE305	N 69° 40' 33" W	46.97'
TLE305-TLE306	N 59° 55' 19" W	46.97'
TLE306-TLE307	N 52° 13' 33" W	27.17'
TLE307-TLE308	N 44° 31' 42" W	167.74'
TLE308-TLE309	S 44° 56' 02" W	34.00'
TLE309-TLE310	N 44° 31' 42" W	6.00'
TLE310-304	N 44° 56' 02" E	40.00'
200-TLE206	N 45° 28' 18" E	5.00'
TLE206-TLE311	S 44° 31' 42" E	243.52'
TLE311-TLE312	SEE CURVE 1 DATA	
TLE312-TLE313	N 1° 09' 20" W	81.03'
TLE313-TLE314	N 88° 50' 40" E	5.00'
TLE314-306	S 1° 09' 20" E	81.01'

E. JACKSON STREET
VARIES
P.L.
TLE314
TLE313
TLE-SLOPES
405 S.F.
N 79° 24' 01" E
64.58'
S 1° 17' 56" W
28.56'
BLOCK 7
SARGENT'S PLAT OF THE
CITY OF GRAND RAPIDS
LOT 6
308
309
67+00
S 89° 19' 13" E R
60'
S 0° 18' 00" E
30.00'
S 0° 18' 00" E
30.00'
LOT 1
CSM 9684
V.34, P.184
DOC. 2013R09169
GN
CITY OF
SE-NW
SEC. 17
12
SKD HOTEL MEAD, LLC
LOT 1
CSM 6468
V.22, P.168-169
DOC. 824444
TLE-SLOPES
1146 S.F.
CHIS. X
306
TLE312
(305-306)
R = 189.22'
L = 157.60'
LC = 153.08'
LCB = S 68° 14' 51" E
66+00
PT 65+58.22
311
S 0° 48' 38" W
59.81'
312
LOT 44
EAST SIDE ASSESSOR'S
PLAT NO. "30"
TLE311
CURVE 1
(TLE311-TLE312)
TLE206
200
S 44° 31' 42" E 199.84'
2" IP
305
SLOPE
INTERCEPTS
(TYP.)
65+00
80'
LINCOLN
STREET
VARIES
0.5" IP
E. GRAND AVENUE
PC 63+78.42
64+00
PI 64+73.20
302
0.5" RBR.
TLE303
TLE302
TLE301
R = 65.85'
L = 121.32'
LC = 104.87'
LCB = N 26° 52' 20" W
TLE300
1.25" RBR.
301
S 65° 28' 11" W
78.74'
FOUND 1" REBAR
Y = 450678.09
X = 734460.41
201
62+00
63+00
S 44° 31' 42" E R
N 45° 28' 18" E
40.00'
80'
TLE304
R = 269.22'
L = 164.65'
LC = 162.10'
LCB = N 61° 54' 31" W
TLE305
TLE306
TLE307
303
304
N 44° 31' 42" W 149.64'
P.L.
N 44° 31' 42" W
50.00'
202
1" REBAR
TLE308
TLE-SLOPES
2917 S.F.
N 0° 35' 10" E
122.10'
N 89° 24' 50" W
958.24'
WISCONSIN RAPIDS
LOT 1
CITY OF WISCONSIN RAPIDS
CSM #1
1/16 LINE
GARFIELD
STREET
TLE309
TLE310
LOT 1
CSM 8429
V.29, P.29
DOC. 2006R0410
50'
16
CITY OF WISCONSIN RAPIDS
NOT FOUND
RECORD COORDINATE
Y = 448073.410
X = 731800.760
S 89° 24' 50" E
1674.34'

BASIS OF EXISTING R/W	
EAST GRAND AVE.	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENTS PLAT OF THE CITY OF GRAND RAPIDS, CSM 6468, CSM 9684, CITY OF WISCONSIN RAPIDS CSM 1
GARFIELD STREET	EAST SIDE ASSESSOR'S PLAT NO. 38, CSM 1 & CSM 8429
E. JACKSON ST.	SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS & CSM 6468
LINCOLN STREET	EAST SIDE ASSISSOR'S PLAT NO. 30 & CITY OF WISCONSIN RAPIDS CSM #1

REVISION DATE 10/4/18 N.C.	DATE 01/04/18	SCALE, FEET 0 40	HWY: LOC STR	STATE R/W PROJECT NUMBER 6999-07-19	PLAT SHEET 4.06
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6999-07-89	PS&E SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\040106_rp.dgn PLOT DATE : 10/4/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83/91 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED

PISTA. 68+64.85
Y = 450946.66
X = 731173.66
DELTA = 0°24'18" RT

PISTA. 69+30.67
Y = 450945.42
X = 731239.47
DELTA = 0°32'47" LT

PISTA. 71+69.65
Y = 450943.17
X = 731478.44
DELTA = 0°31'31" RT

POINT #	STATION	OFFSET	NORTHING	EASTING
308	66+25.16	-58.56'	451008.06	730934.68
309	66+24.85	-30.00'	450979.51	730934.03
310	66+25.36	0.00'	450949.50	730934.19
311	66+25.88	30.00'	450919.50	730934.35
312	66+25.74	89.81'	450859.69	730933.50
400	71+70.41	29.59'	450913.58	731478.65
401	69+30.67	29.37'	450916.05	731239.19
402	68+70.95	29.96'	450916.59	731179.20
403	66+46.00	30.00'	450919.26	730954.47
404	66+31.92	44.01'	450905.42	730940.23
406	66+32.93	-30.00'	450979.41	730942.12
407	68+64.85	-30.00'	450976.66	731174.02
408	69+24.63	-29.31'	450974.83	731233.99
409	71+69.63	-29.59'	450972.76	731478.69
410	71+69.88	0.00'	450943.17	731478.67

POINT #	STATION	OFFSET
TLE400	71+70.68	64.59'
TLE401	71+66.16	64.59'
TLE402	71+66.20	39.59'
TLE403	69+95.00	39.43'
TLE404	69+95.00	49.08'
TLE405	69+35.64	48.34'
TLE406	69+35.62	59.38'
TLE407	69+30.67	59.37'
TLE408	68+71.43	89.96'
TLE409	68+66.43	89.99'
TLE410	68+66.03	39.99'
TLE411	66+43.04	40.00'
TLE412	66+35.84	47.17'
TLE413	66+35.72	100.00'
TLE414	66+25.61	-100.00'
TLE415	66+30.61	-100.00'
TLE416	66+30.36	-77.51'
TLE417	66+39.21	-45.00'
TLE418	67+50.00	-45.00'
TLE419	67+50.00	-40.00'
TLE420	68+64.85	-40.00'
TLE421	69+24.71	-49.31'
TLE422	70+44.18	-49.48'
TLE423	70+44.17	-37.48'
TLE424	71+64.67	-37.59'
TLE425	71+64.75	-54.59'
TLE426	71+69.65	-54.59'
TLE427	66+25.72	100.00'

TLE COURSE TABLE		
400-TLE400	S 0° 37' 40" W	35.00'
TLE400-TLE401	N 89° 24' 32" W	3.93'
TLE401-TLE402	N 0° 37' 40" E	25.00'
TLE402-TLE403	N 89° 24' 32" W	171.20'
TLE403-TLE404	S 0° 32' 18" W	9.65'
TLE404-TLE405	N 88° 44' 38" W	59.36'
TLE405-TLE406	S 0° 37' 28" W	11.04'
TLE406-TLE407	N 89° 24' 32" W	5.00'
TLE407-401	N 0° 37' 28" E	30.00'
402-TLE408	S 0° 37' 28" W	60.00'
TLE408-TLE409	N 89° 19' 13" W	5.00'
TLE409-TLE410	N 0° 37' 28" E	50.00'
TLE410-TLE411	N 89° 19' 13" W	222.71'
TLE411-TLE412	S 45° 49' 24" W	10.16'
TLE412-TLE413	S 0° 48' 38" W	52.83'
TLE413-TLE427	N 89° 19' 13" W	10.00'

TLE COURSE TABLE		
TLE427-312	N 0° 48' 38" E	10.19'
308-TLE414	N 1° 17' 56" E	41.44'
TLE414-TLE415	S 89° 19' 13" E	5.00'
TLE415-TLE416	S 1° 17' 56" W	22.50'
TLE416-TLE417	S 14° 33' 09" E	33.69'
TLE417-TLE418	S 89° 19' 13" E	110.79'
TLE418-TLE419	S 0° 40' 47" W	5.00'
TLE419-TLE420	S 89° 19' 13" E	114.96'
TLE420-407	S 1° 17' 51" W	10.00'
408-TLE421	N 1° 17' 51" E	20.00'
TLE421-TLE422	S 89° 30' 53" E	119.00'
TLE422-TLE423	S 0° 33' 15" W	12.00'
TLE423-TLE424	S 89° 30' 53" E	120.49'
TLE424-TLE425	N 0° 48' 54" E	17.00'
TLE425-TLE426	S 89° 30' 53" E	5.00'
TLE426-409	S 0° 48' 54" W	25.00'

FOUND CHISELED X
Y = 453303.687
X = 731837.560

T 22 N, R 6 E, 8, 17

GN

CITY

E JACKSON STREET

BLOCK 7
SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS

LOT 6

LOT 4

LOT 5

BLOCK 6
SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS

SE-NW SEC. 17

LOT 1
CSM 4695
V.16, P.195
DOC. 713336

18 MARCELENE C. VAN DYN HOVEN REVOCABLE TRUST

19 PATRICK J. ANHALT

LOT 1
CSM 6069
V.21, P.69
DOC. 798449

23 MICHAEL J. & DENISE L. KLEIBER

24 BUETTGEN WISCONSIN RAPIDS PROPERTIES, LLC.

6TH STREET

7TH STREET

E. GRAND AVENUE

LINCOLN STREET

TLE414 TLE415 TLE416 TLE417 TLE418 TLE419 TLE420 TLE421 TLE422 TLE423 TLE424 TLE425 TLE426

TLE401 TLE402 TLE403 TLE404 TLE405 TLE406 TLE407 TLE408 TLE409 TLE410 TLE411 TLE412 TLE413 TLE427

S 14° 33' 09" E 29.60'

PLE FOR ADA HANDICAP RAMP DOC. NO. 885928

PLE FOR ADA HANDICAP RAMP DOC. NO. 855390

TLE-SLOPES 2108 S.F.

TLE-SLOPES 1097 S.F.

TLE-SLOPES 2384 S.F.

TLE-SLOPES 635 S.F.

TLE-SLOPES 1658 S.F.

TLE-SLOPES 1343 S.F.

TLE-SLOPES 1849 S.F.

TLE-SLOPES 145 S.F.

TLE-SLOPES 133 S.F.

TLE-SLOPES 208 S.F.

TLE-SLOPES 345 S.F.

BUILDING NOT INCLUDED

SLOPE INTERCEPTS (TYP.)

S 88° 15' 24" E 60.00'

S 89° 19' 13" E 231.91'

S 89° 30' 53" E 244.71'

S 89° 19' 13" E

S 88° 54' 55" E

S 89° 27' 42" E

S 88° 56' 11" E

N 89° 19' 13" W 224.74'

N 89° 28' 37" W 60.00'

N 89° 24' 32" W 239.47'

N 89° 35' 20" W 341.75'

S 0° 24' 40" W 2392.62'

N 0° 24' 40" E 2838.29'

N 1° 17' 56" E 28.56'

N 0° 18' 00" W 30.00'

N 0° 48' 38" E 55.81'

S 45° 49' 24" W 19.86'

S 8° 22' 13" W 46.22'

VARIES

60'

SURVEY NAIL

1.25" IP

0.5" IP

1" RBR.

CHIS. X

P.L.

PI 68+64.85

PI 69+30.67

PI 71+69.65

66+00 67+00 68+00 69+00 70+00 71+00

308 309 310 311 312 400 401 402 403 404 406 407 408 409 410

17 LIAM'S PARK, LLC.

LOT 1
CSM 9684
V.34, P.184
DOC. 2013R09169

21 MID WAY CENTER RENTALS LLC.

LOT 2
CSM 9684
V.34, P.184
DOC. 2013R09169

INGRESS-EGRESS EASEMENTS DOC. NO. 228971 & 185982

22 TJ'S RENTALS, LLC.

LOT 38

26 COREY J. & CHRISTINE A. STAFFON

27 ROBERT W. & ROXANE M. WAPPLER

28 DAVID E. KEEL

29 JANICE M. RETZLAFF REVOCABLE TRUST

LOT 37 LOT 36 LOT 35 LOT 34 LOT 33

EAST SIDE ASSESSOR'S PLAT NO. "30"

WISCONSIN RAPIDS

BASIS OF EXISTING R/W	
EAST GRAND AVE.	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENTS PLAT OF THE CITY OF GRAND RAPIDS, CSM 4695, CSM 6069, & CSM 9684
E. JACKSON ST.	SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS & CSM 6468
LINCOLN STREET	EAST SIDE ASSISSOR'S PLAT NO. 30 & CITY OF WISCONSIN RAPIDS CSM #1
6TH STREET	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENTS PLAT OF THE CITY OF GRAND RAPIDS, CSM 6069, & CSM 9684
7TH STREET	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENTS PLAT OF THE CITY OF GRAND RAPIDS, CSM 4695, & CSM 9684

FOUND CHISELED X
Y = 448072.909
X = 731800.034

T 22 N, R 6 E, 17, 20

REVISION DATE 10/4/18 N.C.	DATE 01/04/18	SCALE, FEET 0 40	HWY: LOC STR	STATE R/W PROJECT NUMBER 6999-07-19	PLAT SHEET 4.07
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6999-07-89	PS&E SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\040107_rp.dgn PLOT DATE : 10/4/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), WOOD COUNTY, NAD83/91 IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1.25" IRON PIPES UNLESS OTHERWISE NOTED

PI STA. 71+69.65
Y = 450943.17
X = 731478.44
DELTA = 0°31'31" RT

PI STA. 72+29.88
Y = 450942.05
X = 731538.66
DELTA = 0°38'38" LT

PI STA. 75+00.00
Y = 450940.09
X = 731808.77

POINT #	STATION	OFFSET	NORTHING	EASTING
400	71+70.41	29.59'	450913.58	731478.65
409	71+69.63	-29.59'	450972.76	731478.69
410	71+69.88	0.00'	450943.17	731478.67
500	74+33.63	0.00'	450940.57	731742.40
501	74+35.14	67.29'	450873.27	731743.42
502	73+64.00	40.66'	450900.42	731672.48
503	73+32.00	34.41'	450906.90	731640.52
504	72+75.00	29.25'	450912.47	731583.56
505	72+30.08	29.21'	450912.85	731538.65
506	72+29.36	-29.20'	450971.26	731538.68
507	74+32.96	-29.41'	450969.98	731741.95

POINT #	STATION	OFFSET
TLE500	74+23.76	63.03'
TLE501	74+15.00	86.44'
TLE502	73+60.00	81.87'
TLE503	73+60.00	55.18'
TLE504	73+31.13	44.38'
TLE505	72+80.00	39.75'
TLE506	72+80.00	34.26'
TLE507	72+33.56	34.21'
TLE508	72+33.40	73.21'
TLE509	72+29.92	73.21'
TLE510	72+29.25	-54.20'
TLE511	72+34.86	-54.21'
TLE512	72+34.76	-39.21'
TLE513	74+22.00	-39.40'
TLE514	74+22.00	-29.40'

TLE COURSE TABLE		
501-TLE500	N 69° 03' 48" W	12.15'
TLE500-TLE501	S 20° 56' 12" W	25.00'
TLE501-TLE502	N 84° 50' 03" W	55.19'
TLE502-TLE503	N 0° 25' 01" E	26.69'
TLE503-TLE504	N 69° 03' 48" W	30.82'
TLE504-TLE505	N 84° 24' 29" W	51.34'
TLE505-TLE506	N 0° 25' 01" E	5.49'
TLE506-TLE507	N 89° 31' 34" W	46.44'
TLE507-TLE508	S 0° 38' 55" W	39.00'
TLE508-TLE509	N 89° 31' 34" W	3.48'
TLE509-505	N 0° 37' 40" E	44.00'
506-TLE510	N 0° 48' 54" E	25.00'
TLE510-TLE511	S 89° 38' 24" E	5.00'
TLE511-TLE512	S 0° 48' 54" W	15.00'
TLE512-TLE513	S 89° 38' 24" E	187.24'
TLE513-TLE514	S 0° 25' 01" W	10.00'
TLE514-507	S 89° 38' 24" E	10.96'

T 22 N, 8, 17, R 6 E

FOUND CHISELED X
Y = 453303.687
X = 731837.560

T 22 N, 17, 20, R 6 E

FOUND CHISELED X
Y = 448072.909
X = 731800.034

GN

LOT 1 CSM 562 V.2, P.262 DOC. 504430

LOT 1 CSM 4695 V.16, P.195 DOC. 713336

LOT 1 CSM 504 V.2, P.204 DOC. 501166

BLOCK 5 SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS

BLOCK 10 SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS

CITY SE-NW SEC. 17

SW-NE SEC. 17

LOT 5

LOT 4

LOT 29

LOT 33

LOT 30

LOT 28 EAST SIDE ASSESSORS'S PLAT NO. 30

32 WOOD COUNTY

31 710 E. GRAND, LLC.

33 INDERBANS S. & KULJEET K. BRAR

WISCONSIN RAPIDS

E. GRAND AVENUE

8TH STREET

7TH STREET

END RELOCATION ORDER
STA. 74+50.00
Y = 450940.45
X = 731758.77

POT 75+00.00

CHIS. X

1/2" RBR.

1.25" RBR.

TLE-SLOPES 1886 S.F.

TLE-SLOPES 1119 S.F.

TLE-SLOPES 2170 S.F.

SLOPE INTERCEPTS (TYP.)

BUILDING NOT INCLUDED

OF

S 88° 33' 58" E 60.00'

S 89° 38' 24" E 203.28'

S 0° 52' 18" E 23.42'

S 89°34'59" E

N 89°34'59" W 78.21'

S 0° 52' 18" E 67.30'

N 84° 24' 29" W 57.23'

N 78° 32' 14" W 32.60'

N 89° 31' 34" W 44.91'

N 89° 18' 11" W 60.00'

N 69°03' 48" W 75.96'

S 0° 24' 40" W 2363.75'

N 0° 24' 40" E 2867.17'

N 0°02' 20" E 29.59'

S 89° 27' 42" E

S 88° 56' 11" E

VARIES

60'

88.5'

BASIS OF EXISTING R/W	
EAST GRAND AVE.	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENTS PLAT OF THE CITY OF GRAND RAPIDS, CSM 504, QUIT CLAIM DEED DOC. 879475
7TH STREET	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENTS PLAT OF THE CITY OF GRAND RAPIDS, CSM 4695, & CSM 9684
8TH STREET	EAST SIDE ASSESSOR'S PLAT NO. 30, SARGENT'S PLAT OF THE CITY OF GRAND RAPIDS, CSM 562, CSM 504, CSM 505, QUIT CLAIM DEED DOC. 879475

REVISION DATE 10/4/18 N.C.	DATE 01/04/18	SCALE, FEET 0 40	HWY: LOC STR	STATE R/W PROJECT NUMBER 6999-07-19	PLAT SHEET 4.08
	GRID FACTOR N/A		COUNTY: WOOD	CONSTRUCTION PROJECT NUMBER 6999-07-89	PS&E SHEET 118 E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\040108_rp.dgn PLOT DATE : 10/4/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 75

NOTE: SEE PLAN DETAIL POINTS FOR SIDEROAD MATCH POINT LOCATIONS.

WOOD COUNTY NATIONAL BANK

WOOD COUNTY REALTY INC

MATCH 64.2' LT

3RD STREET

ST JOHNS EPISCOPAL CHURCH

CHARTER COMMUNICATIONS (COMMUNICATIONS)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

BM NEW

SLOPE INTERCEPT (TYP.)

MATCH 54.8' LT

4TH STREET

SOLARUS (COMMUNICATIONS)

E. GRAND AVE.

MATCHLINE STA. 57+00

BEGIN PROJECT
STA. 51+05.00
SAWCUT REQ'D
MATCH EXISTING
Y: 451,899.92
X: 729,803.49

TLE (TYP.)

WE ENERGIES (GAS)

CAUTION

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

FEDERAL GOVERNMENT
US POST OFFICE

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

BM 216

ROGERS CINEMA INC

LEON S SCHMIDT

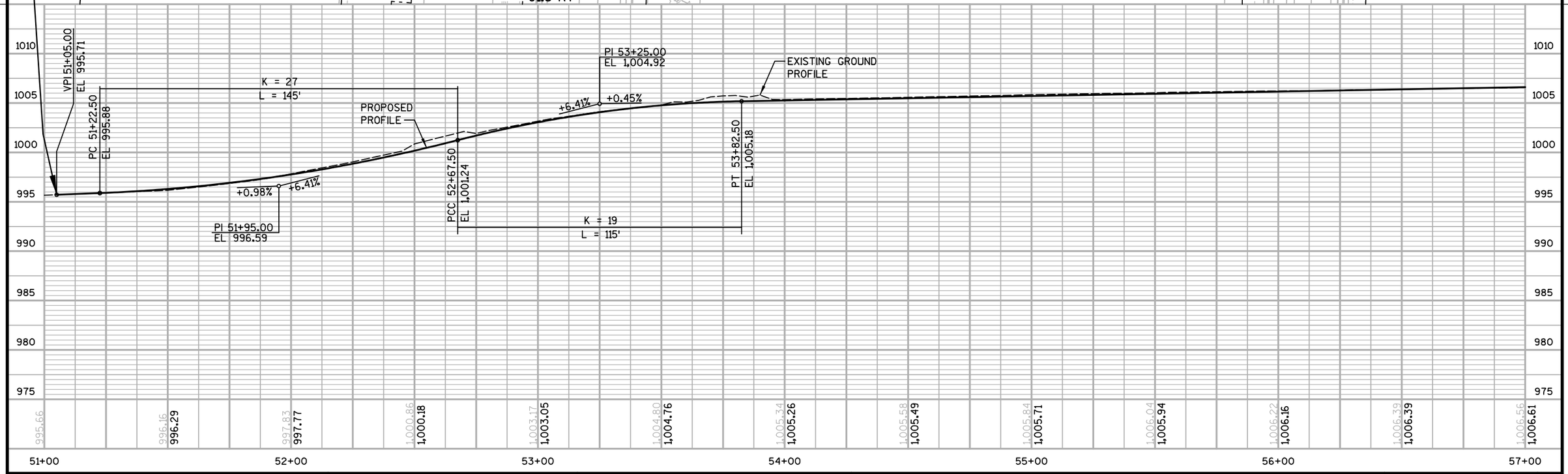
SOLARUS (COMMUNICATIONS)

MATCH 91.3' RT

MATCH 68.1' RT

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
NEW	53+48, 54' LT	NORTHEAST CORNER 3RD ST. AND E. GRAND AVE. S.E. BOLT HYDRANT	1005.23
216	55+87, 33' RT	SOUTHWEST CORNER OF 4TH ST. AND E. GRAND AVE. BOLT UNDER DATE ON HYDRANT	1007.83



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN AND PROFILE	SHEET E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\050101_pp.dgn PLOT DATE : 10/8/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

NOTE: SEE PLAN DETAIL POINTS FOR SIDEROAD MATCH POINT LOCATIONS.

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
217	61+15, 31' RT	SOUTHWEST CORNER OF E. GRAND AVE. & GARFIELD ST. BOLT UNDER CITY ON HYDRANT.	1009.45

CONSTRUCT C.E. STA. 62+49 LT

CONSTRUCT C.E. STA. 57+65 LT

SKD HOTEL MEAD INC

CHARTER COMMUNICATIONS (COMMUNICATIONS)

SLOPE INTERCEPT (TYP.)

SOLARUS (COMMUNICATIONS)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

TLE (TYP.)

R/W

MATCHLINE STA. 57+00

MATCHLINE STA. 63+00

57+00 +50 58+00 +50 59+00 +50 60+00 +50 61+00 +50 62+00 +50 63+00

E. GRAND AVE.

BM #217

CAUTION

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

WE ENERGIES (GAS)

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

MATCH 54.8' RT

GARFIELD ST.

RELAXED LLC

WOOD COUNTY TELEPHONE CO

COMMUNITY PROPERTY INC

CITY OF WISCOSNIN RAPIDS

P.L.

CONSTRUCT C.E. STA. 57+50 RT

CONSTRUCT C.E. STA. 60+36 RT

REMOVE C.E. STA. 61+40 RT

5

5

K = 38
L = 150'

PC 61+07.00
EL 1,008.44

PT 62+57.00
EL 1,012.06

PROPOSED PROFILE

EXISTING GROUND PROFILE

+0.45%

+4.37%

PI 61+82.00
EL 1,008.78

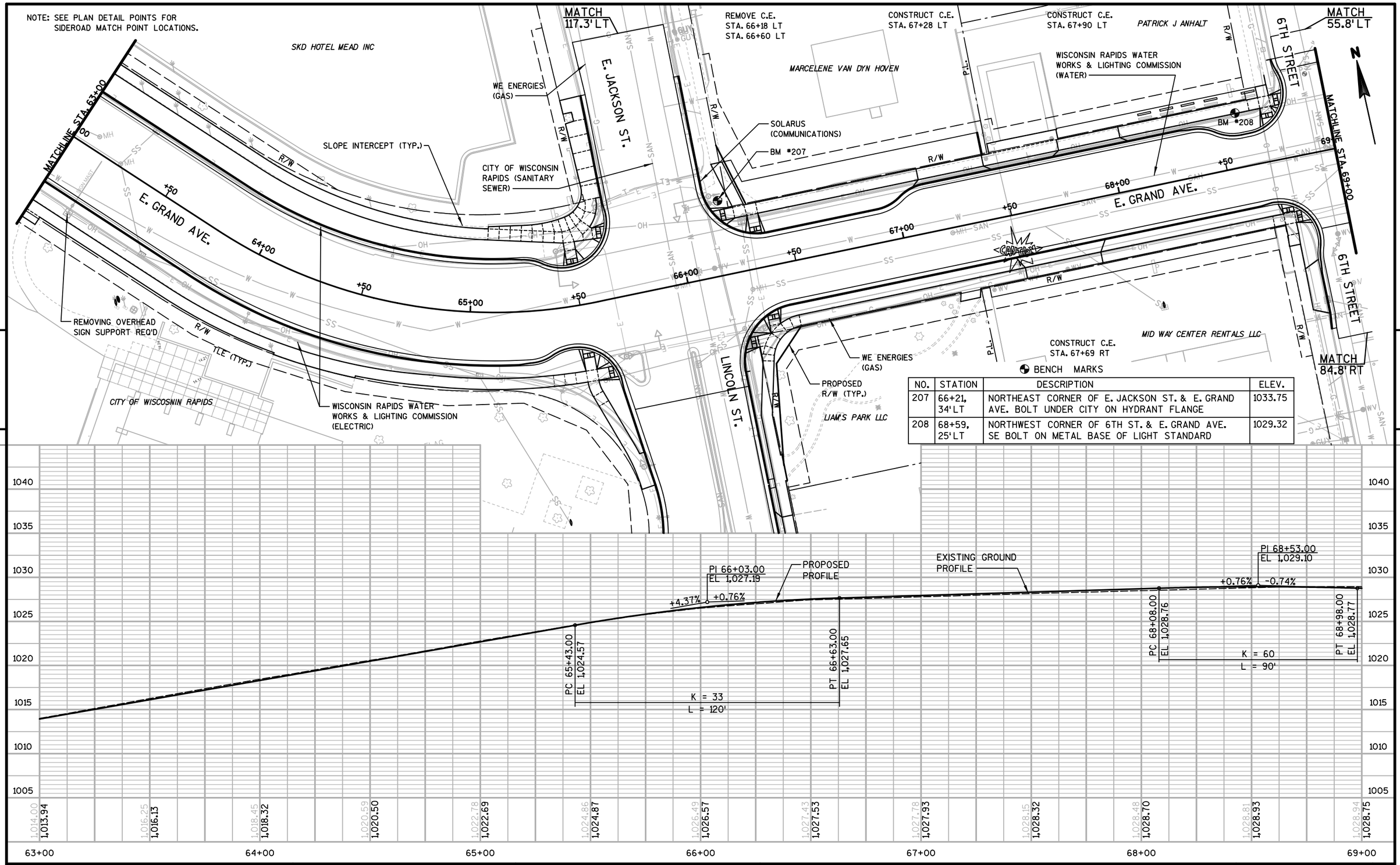
1020 1015 1010 1005 1000 995 990 985

1,006.56 1,006.61 | 1,006.78 1,006.84 | 1,007.00 1,007.06 | 1,007.21 1,007.29 | 1,007.44 1,007.51 | 1,007.68 1,007.74 | 1,007.90 1,007.96 | 1,008.11 1,008.19 | 1,008.37 1,008.41 | 1,008.78 1,008.88 | 1,010.13 1,009.99 | 1,011.88 1,011.76 | 1,014.00 1,013.94

57+00 58+00 59+00 60+00 61+00 62+00 63+00

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN AND PROFILE	SHEET 120	E

NOTE: SEE PLAN DETAIL POINTS FOR SIDEROAD MATCH POINT LOCATIONS.



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
207	66+21, 34'LT	NORTHEAST CORNER OF E. JACKSON ST. & E. GRAND AVE. BOLT UNDER CITY ON HYDRANT FLANGE	1033.75
208	68+59, 25'LT	NORTHWEST CORNER OF 6TH ST. & E. GRAND AVE. SE BOLT ON METAL BASE OF LIGHT STANDARD	1029.32

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN AND PROFILE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\050103_pp.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

REMOVE C.E.
STA. 69+50 LT

CONSTRUCT C.E.
STA. 70+23 LT

CONSTRUCT C.E.
STA. 71+32 LT

REMOVE C.E.
STA. 72+55 LT

NOTE: SEE PLAN DETAIL POINTS FOR SIDEROAD MATCH POINT LOCATIONS.

6TH STREET

7TH STREET

8TH STREET

N

P.L.

MICHAEL J KLEIBER

BUETTGEN WIS RAPIDS PROP LLC

WOOD COUNTY

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (ELECTRIC)

WISCONSIN RAPIDS WATER WORKS & LIGHTING COMMISSION (WATER)

CITY OF WISCONSIN RAPIDS (SANITARY SEWER)

MATCH 49.4' LT

R/W

MATCH LINE STA. 69+00

E. GRAND AVE.

69+00 +50 70+00 +50 71+00 +50 72+00 +50 73+00 +50 74+00 +50

END PROJECT
STA. 74+16.67
MATCH EXISTING
Y: 450,940.69
X: 731,725.44

TLE (TYP.)

TJS RENTALS LLC

CONSTRUCT C.E.
STA. 69+56 RT

CONSTRUCT C.E.
STA. 70+20 RT

COREY J STAFFON

ROBERT W WAPPLER

DAVID E KEEL

JANICE M RETZLAFF

BM NEW

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

REMOVING OVERHEAD SIGN SUPPORT REQ'D

WE ENERGIES (GAS)

710 E GRAND LLC

CONSTRUCT C.E.
STA. 72+95 RT

INDERBANS S BRAR

CONSTRUCT C.E.
STA. 73+80 RT

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
NEW	72+30, 43' RT	SOUTHEAST CORNER OF 7TH ST. & E. GRAND AVE. NORTH BOLT ON HYDRANT	1030.92

MATCH 68.4' RT

5

5

1040 1035 1030 1025 1020 1015 1010 1005

K = 71
L = 90'

PC 69+30.00
EL 1,028.53

PROPOSED PROFILE

PT 70+20.00
EL 1,028.44

-0.74% +0.53%

PI 69+75.00
EL 1,028.20

PI 71+15.00
EL 1,028.94

+0.53% -0.51%

PC 70+70.00
EL 1,028.70

K = 86
L = 90'

PT 71+60.00
EL 1,028.71

K = 89
L = 90'

PC 71+90.00
EL 1,028.55

PT 72+80.00
EL 1,028.54

EXISTING GROUND PROFILE

-0.51% +0.50%

PI 72+35.00
El 1,028.32

+0.50% +0.67%

PI 73+80.00
EL 1,029.04

VPI 74+16.67
EL 1029.29

1,028.94 1,028.75 | 1,028.91 1,028.41 | 1,028.84 1,028.36 | 1,028.77 1,028.59 | 1,028.70 1,028.81 | 1,028.63 1,028.75 | 1,028.60 1,028.51 | 1,028.60 1,028.45 | 1,028.72 1,028.64 | 1,028.85 1,028.89 | 1,029.22 1,029.18 | 1,029.80 | 1,029.54

69+00 70+00 71+00 72+00 73+00 74+00

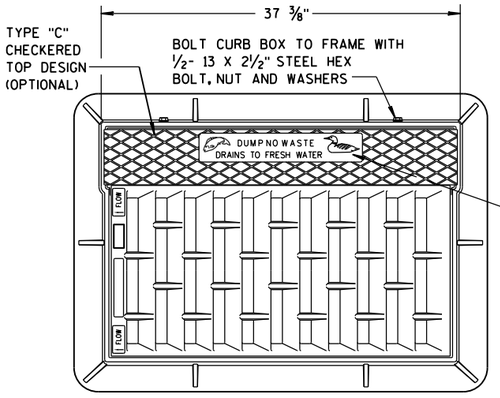
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	PLAN AND PROFILE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\050104_pp.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 30

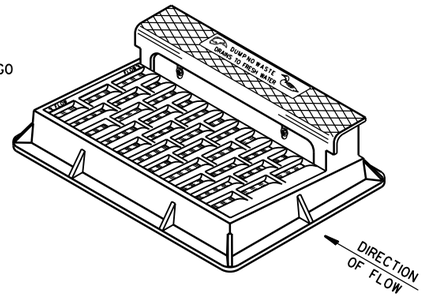
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19B	CURB RAMPS TYPES 2 AND 3
08D05-19C	CURB RAMPS TYPES 4A AND 4A1
08D05-19D	CURB RAMPS TYPE 4B AND 4B1
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
09B02-10	CONDUIT
09B04-11	PULL BOX
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-06A	CONCRETE PAVEMENT JOINTING
13C18-06B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-06C	CONCRETE PAVEMENT JOINT TYPES
13C18-06D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-04	MEDIAN ISLAND MARKING
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C29-06A	BICYCLE LANE MARKING
15D30-04A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-04B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-04C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS

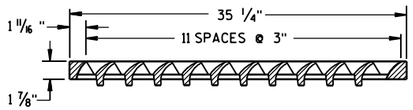
6

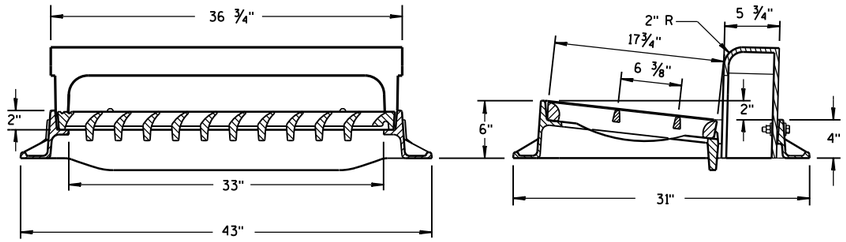


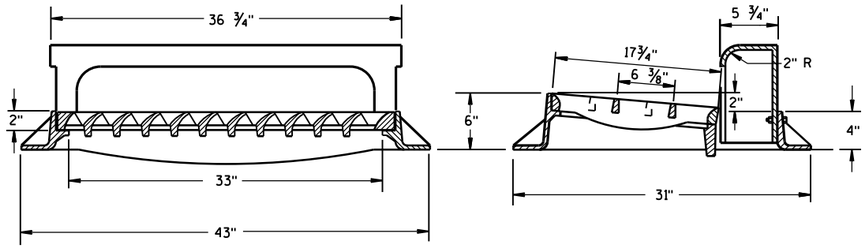
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

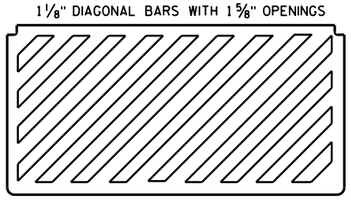






TYPE "H"

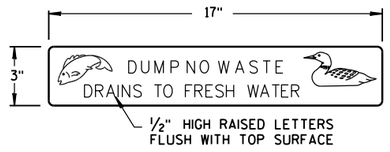
NOTE: EITHER CASTING IS ACCEPTABLE



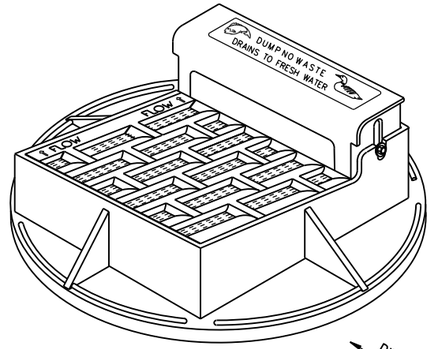
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

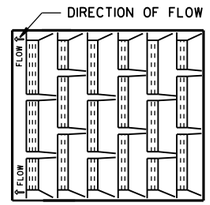
NOTE:
GRATE IS REVERSIBLE.

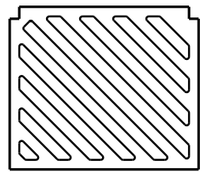
GENERAL NOTES

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

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

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

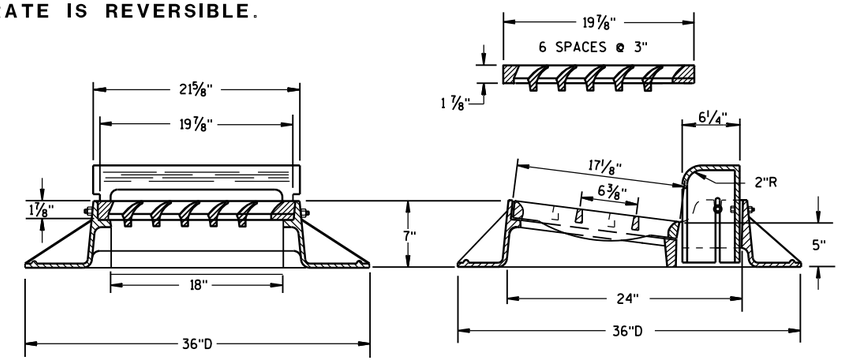




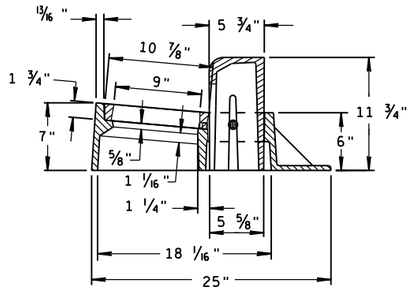
SPECIAL GRATE FOR TYPE "A" COVER

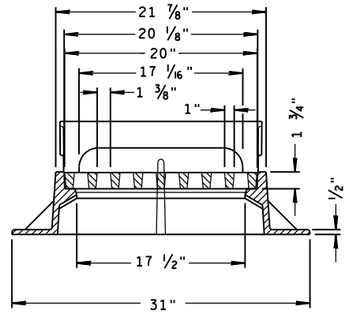
(MEASURES 19 3/4" X 17" X 1 7/8")

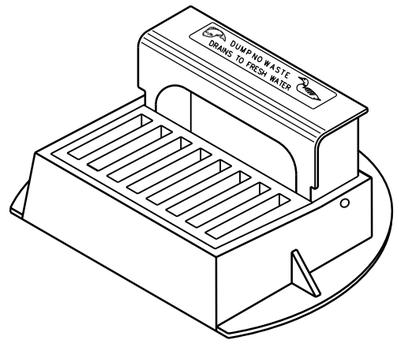
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

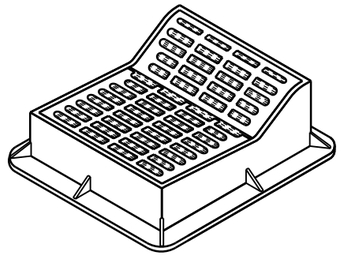
INLET COVERS
TYPE A, H, A-S, H-S & Z

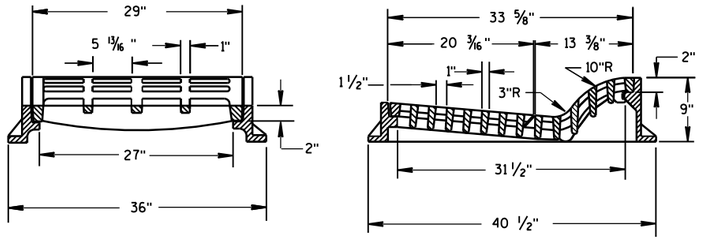
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

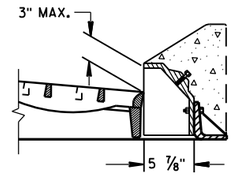
S.D.D. 8 A 5-19a





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

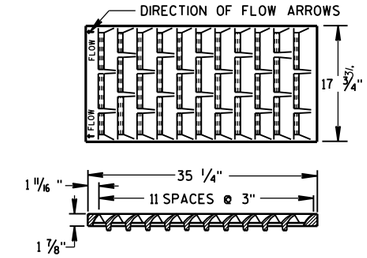
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

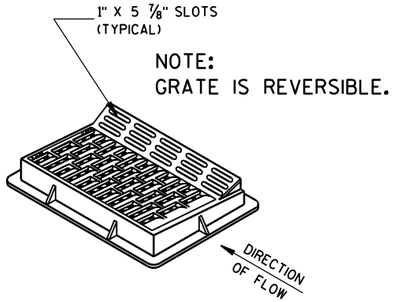
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

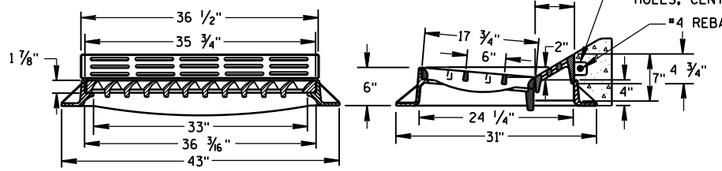
GENERAL NOTES

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

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



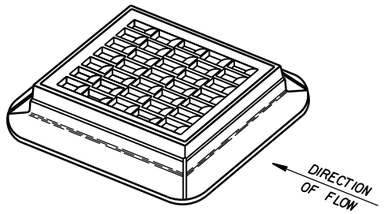


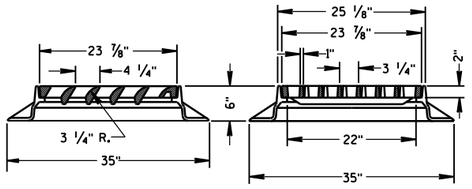


TYPE "HM"

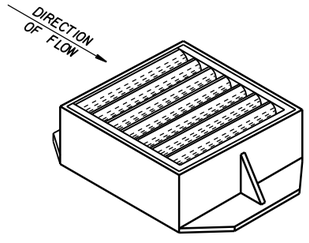
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

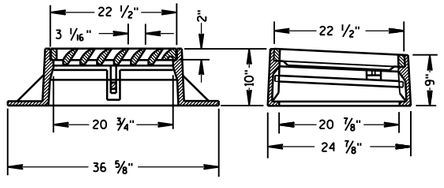
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



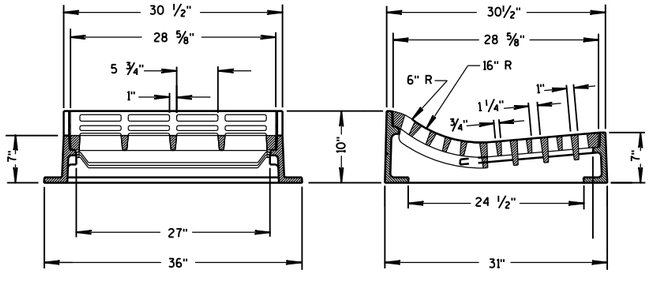


TYPE "S"



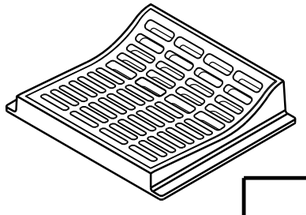


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

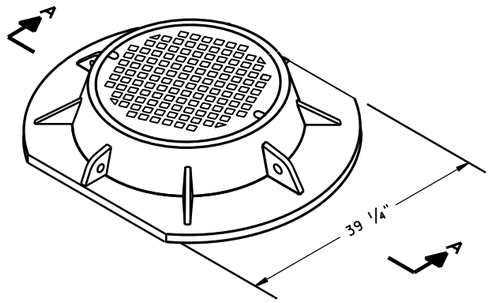
FHWA

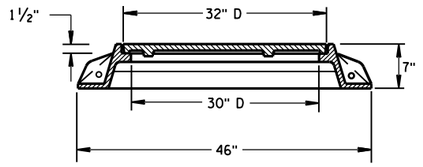
6

S.D.D. 8 A 5-19c

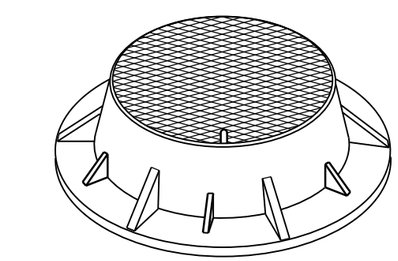
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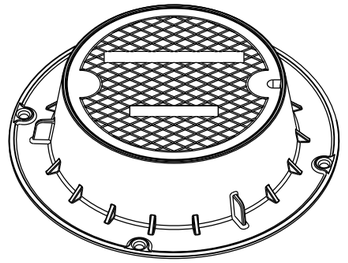
S.D.D. 8 A 5-19c

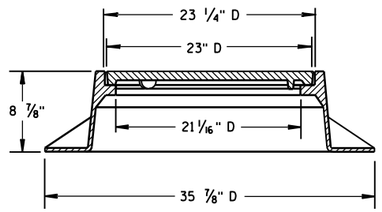


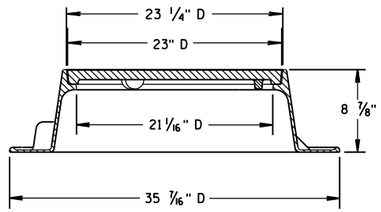


SECTION A-A
TYPE "K"









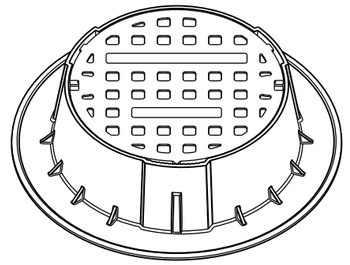
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

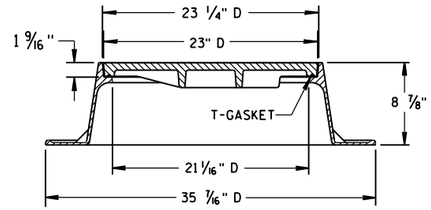
GENERAL NOTES

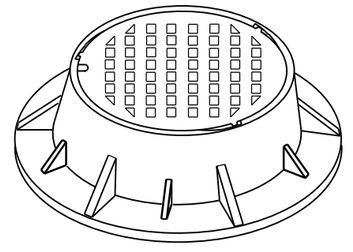
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

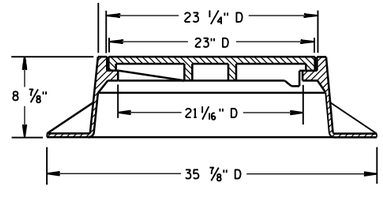
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

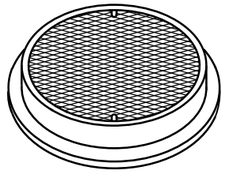


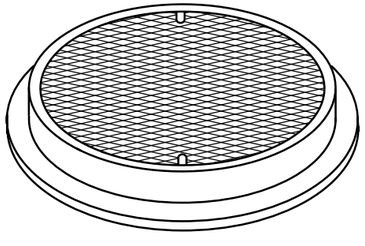


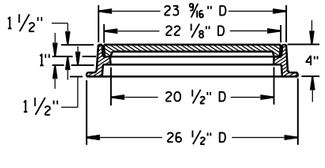




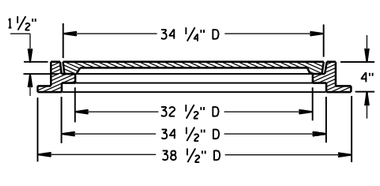
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



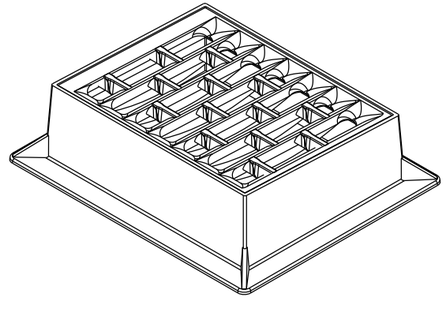


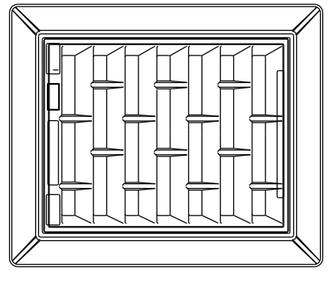


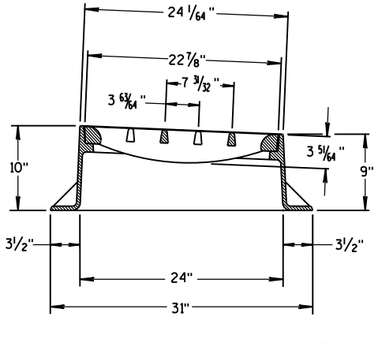
TYPE "L"

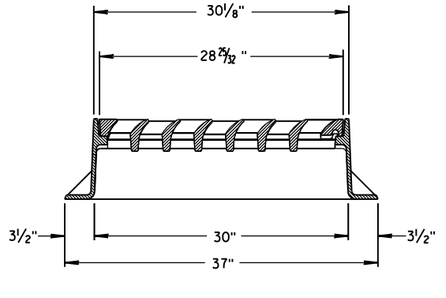


TYPE "M"









INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

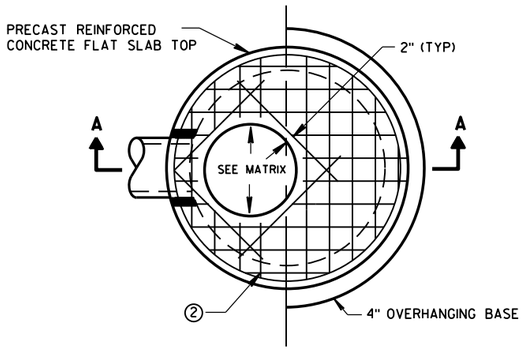
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

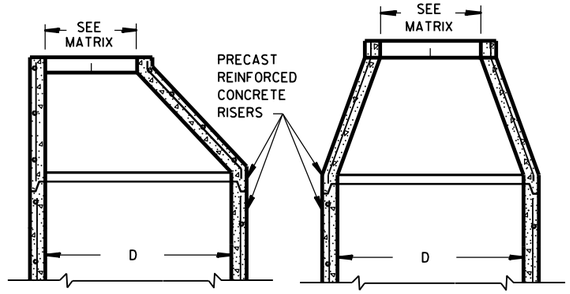
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

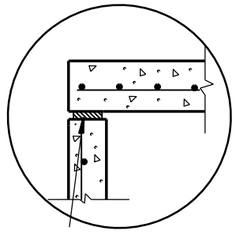


PLAN VIEW CIRCULAR OPENING

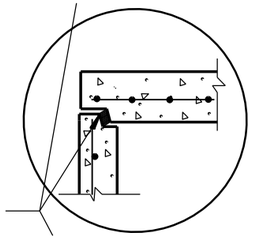


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

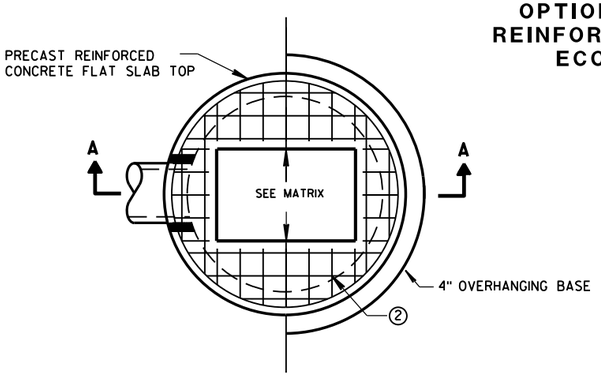
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



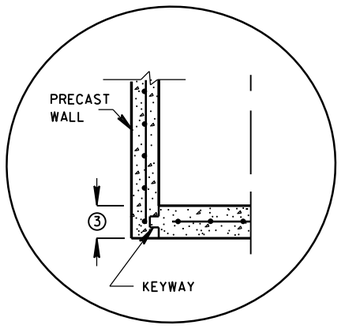
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

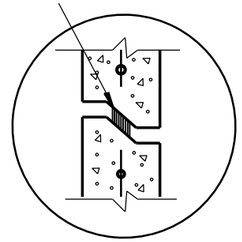


PLAN VIEW RECTANGULAR OPENING



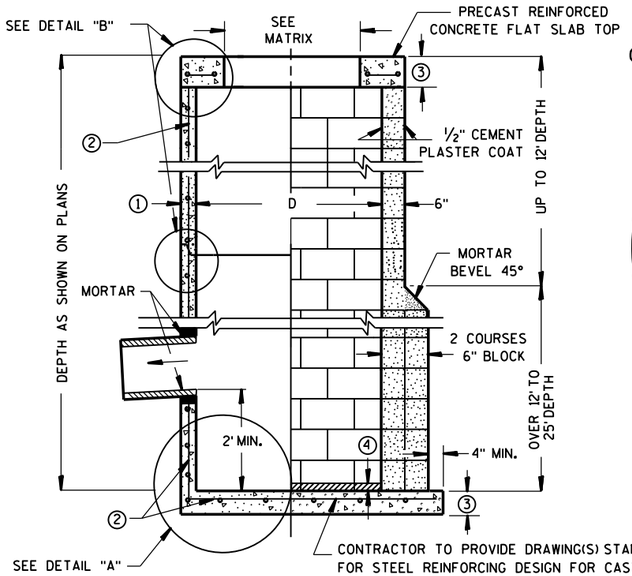
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



RISER WITH TONGUE AND GROOVE JOINT

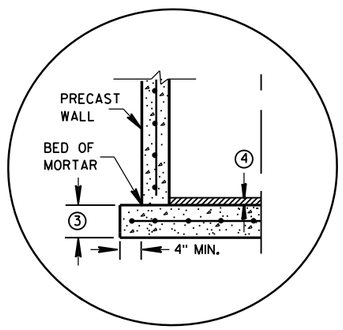
DETAIL "B"



SECTION A-A

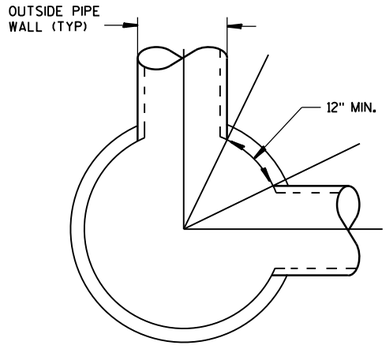
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND 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 DIMENSION OF 1 INCH.

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

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

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

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

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

CONCRETE BLOCK WILL NOT BE PERMITED 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 "C".

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

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

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

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

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

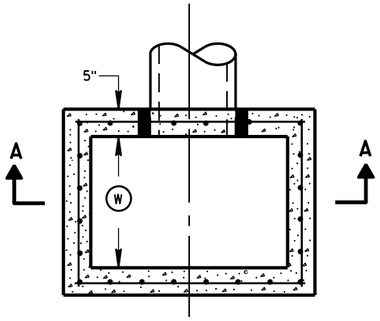
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

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

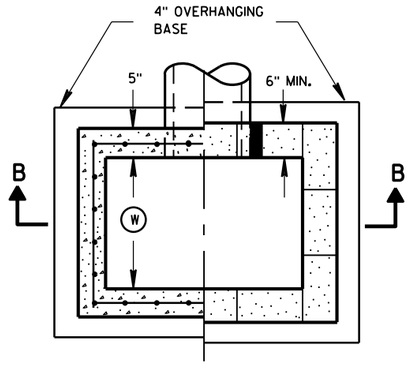
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

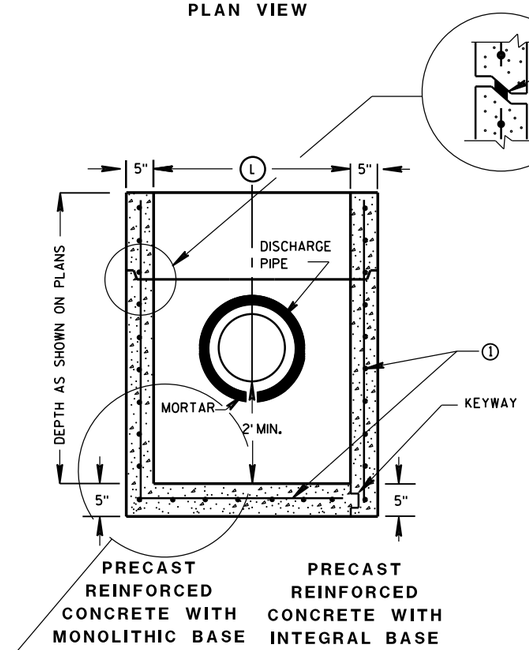
S.D.D. 8 A 8-2



PLAN VIEW



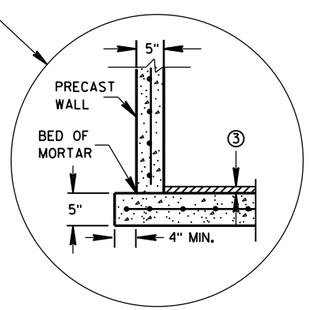
PLAN VIEW



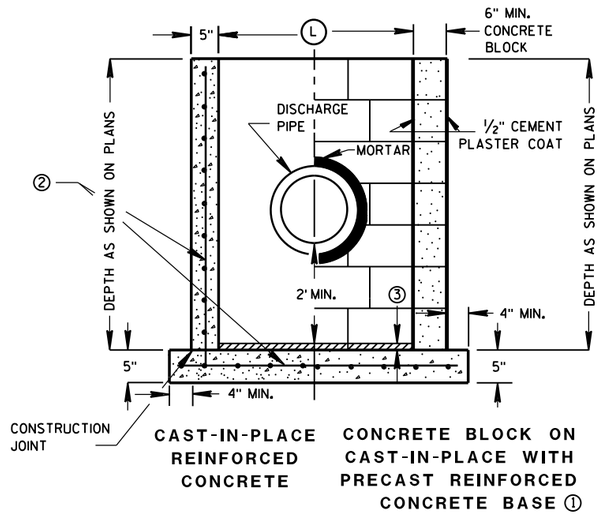
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE

SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



CAST-IN-PLACE REINFORCED CONCRETE

CONCRETE BLOCK ON CAST-IN-PLACE WITH PRECAST REINFORCED CONCRETE BASE ①

SECTION B-B

GENERAL NOTES

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

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

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

ALL PRECAST CATCH BASIN UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

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

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

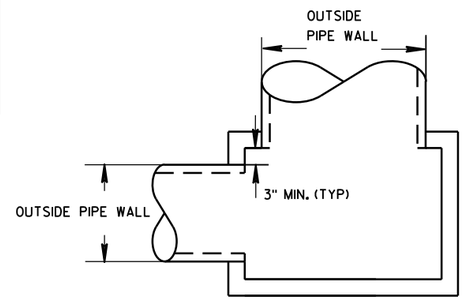
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

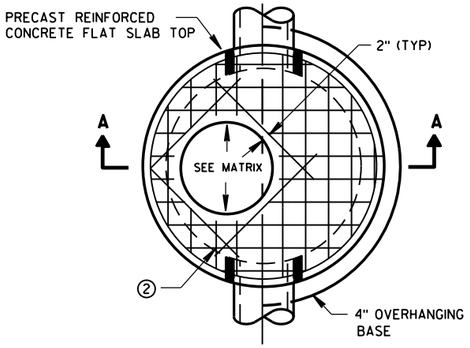
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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DATE
FHWA

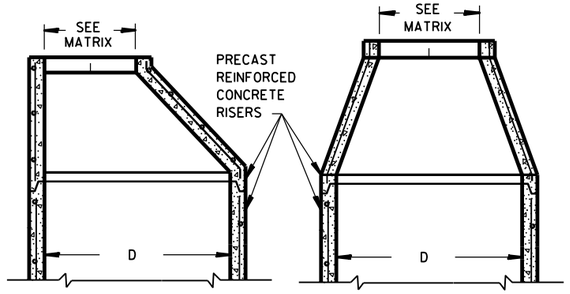
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

6

S.D.D. 8 A 9-2

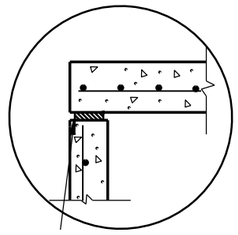


PLAN VIEW CIRCULAR OPENING

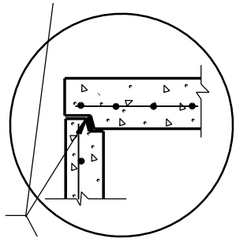


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

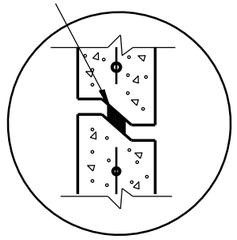


TOP WITH PLAIN END JOINT



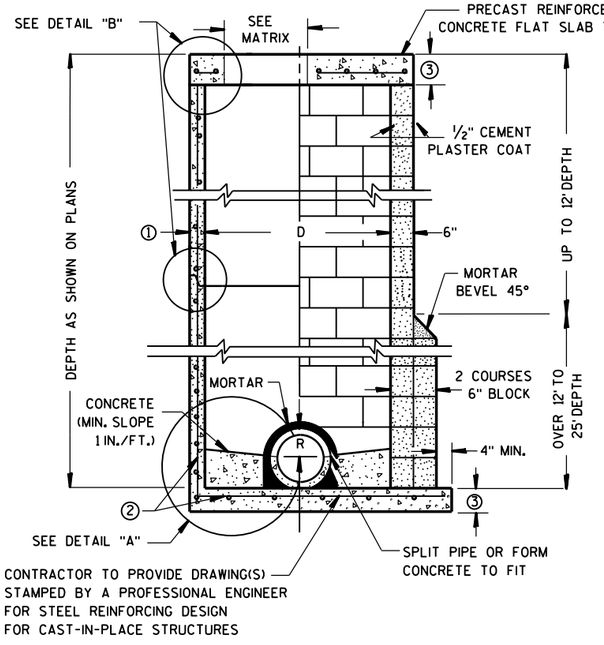
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



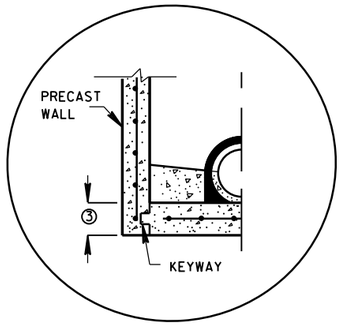
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

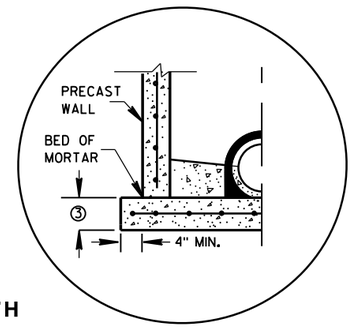


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

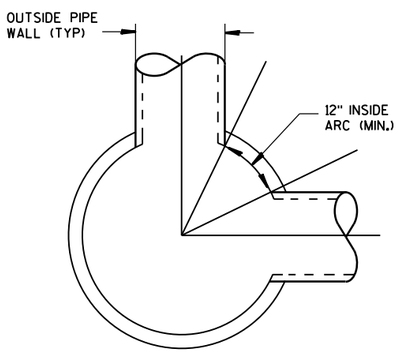


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

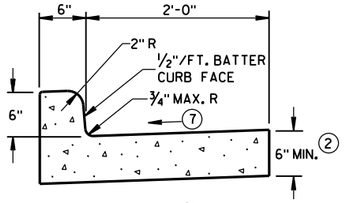
APPROVED

Sept., 2016
DATE

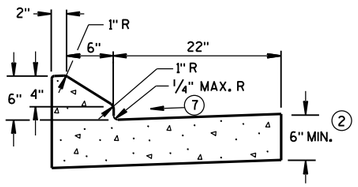
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

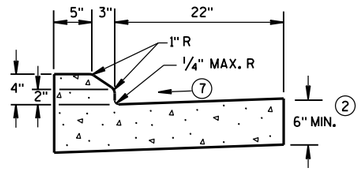
MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER



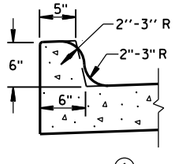
TYPES A (1) & D



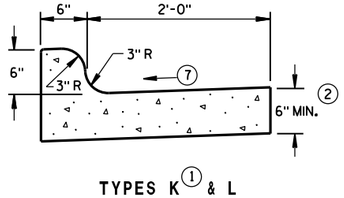
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

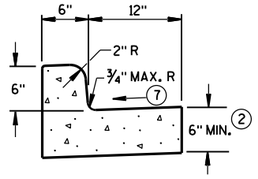


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



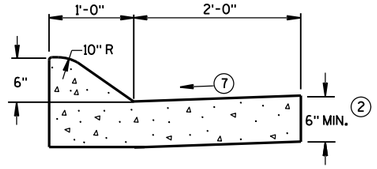
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

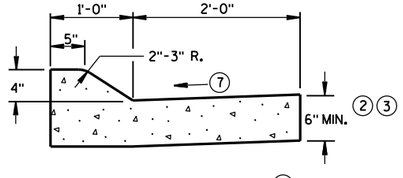


TYPES A (1) & D

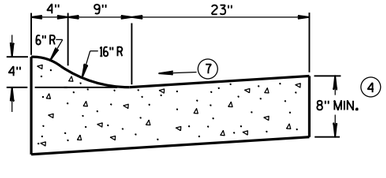
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

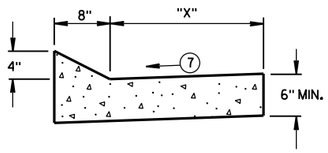


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

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

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS 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 & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

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 GUTTER 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) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

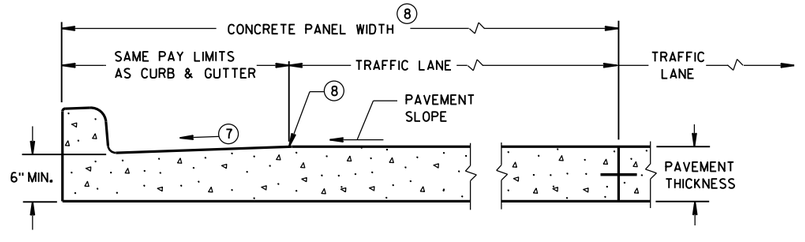
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(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.

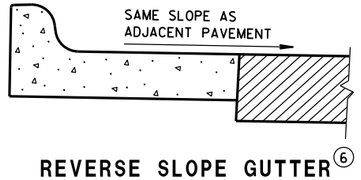
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



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

CONCRETE CURB & GUTTER

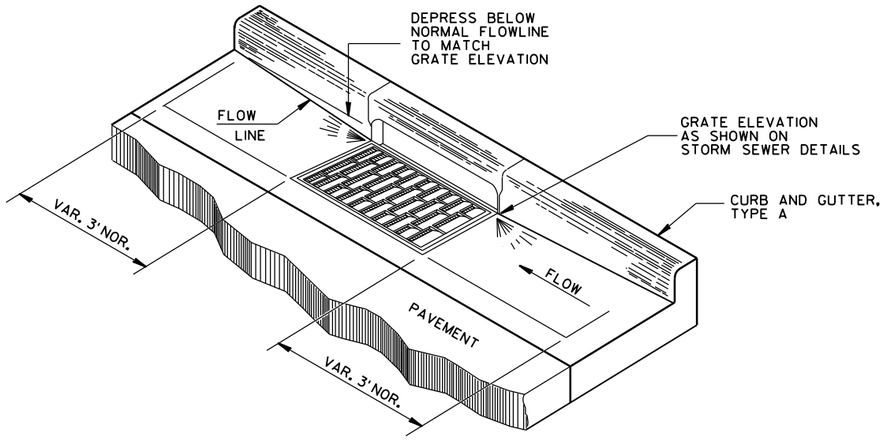
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO...

6

S.D.D. 8 D 1-20a

6

S.D.D. 8 D 1-20a



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

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

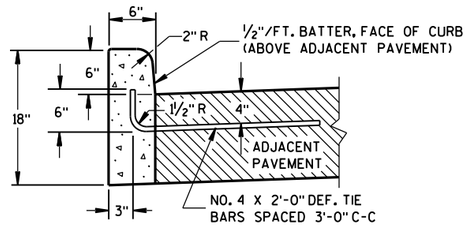
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

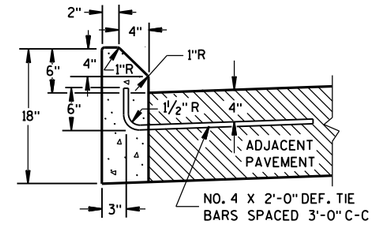
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(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.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

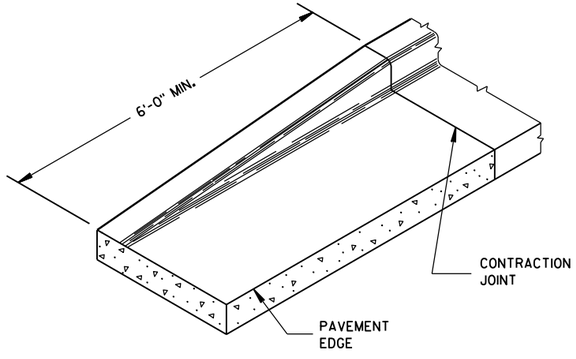


TYPES A(1) & D

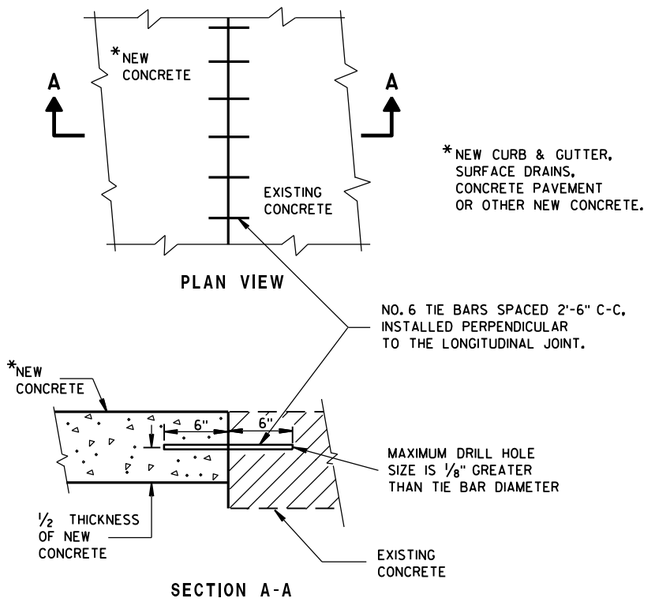


TYPES G(1) & J

CONCRETE CURB



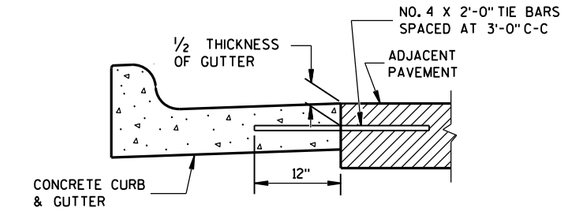
END SECTION CURB & GUTTER



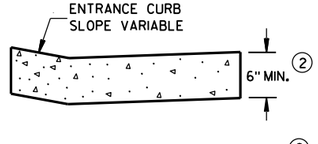
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

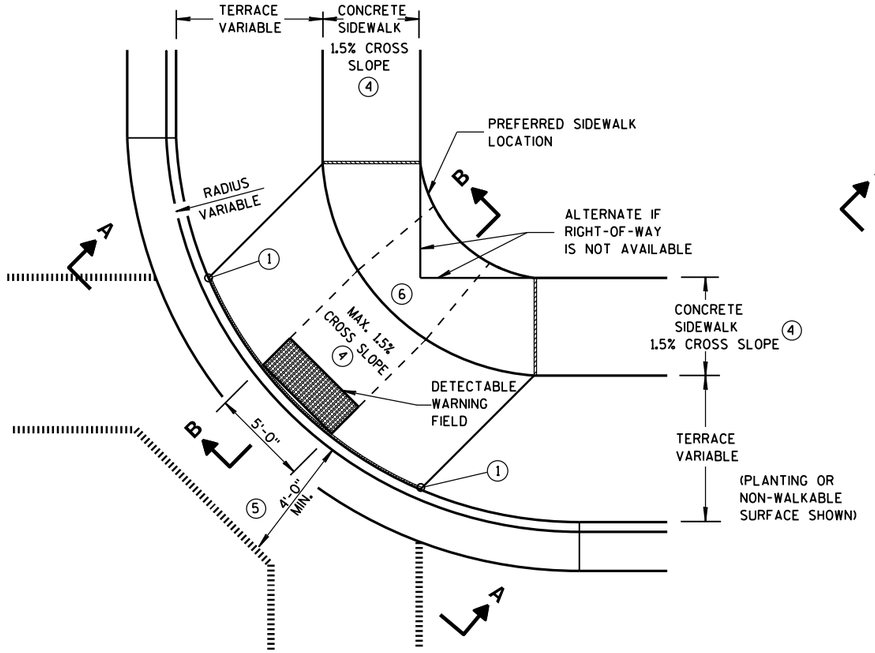
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
FHWA
ENT

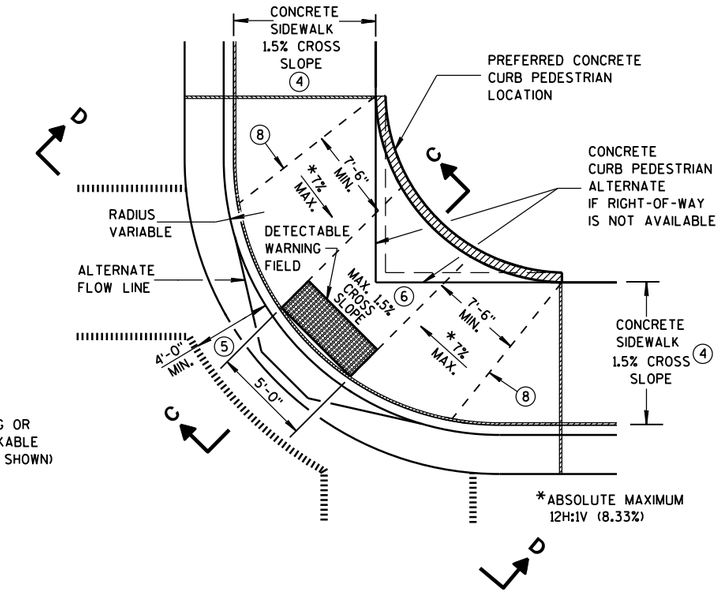
6
S.D.D. 8 D 1-20b



PLAN VIEW

TYPE 1 RAMP

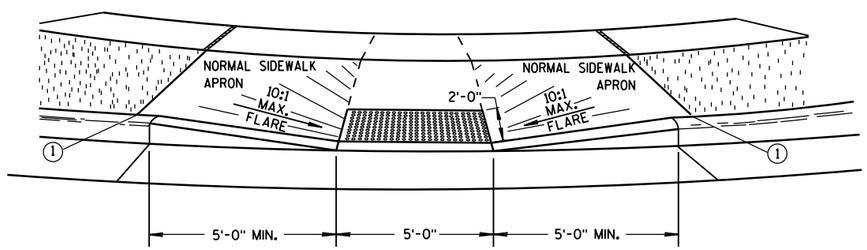
(CENTER OF CORNER RADIUS)



PLAN VIEW

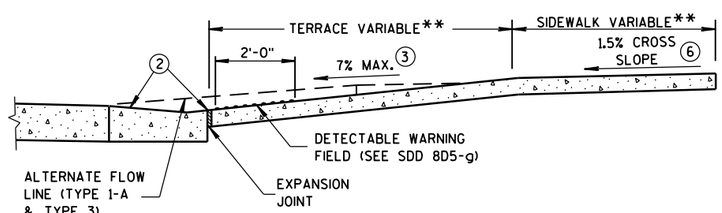
TYPE 1-A RAMP

(NO TERRACE)

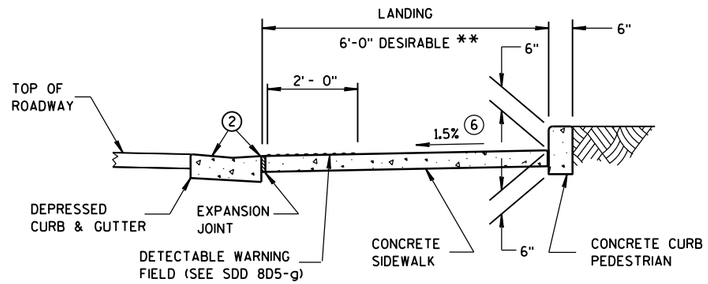


VIEW A-A

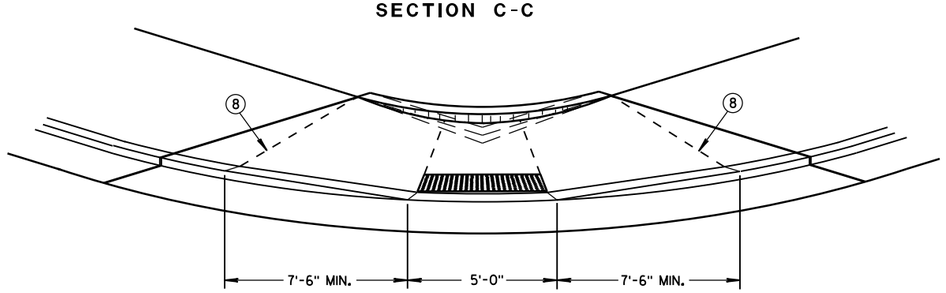
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

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

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

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

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

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA. (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

LEGEND

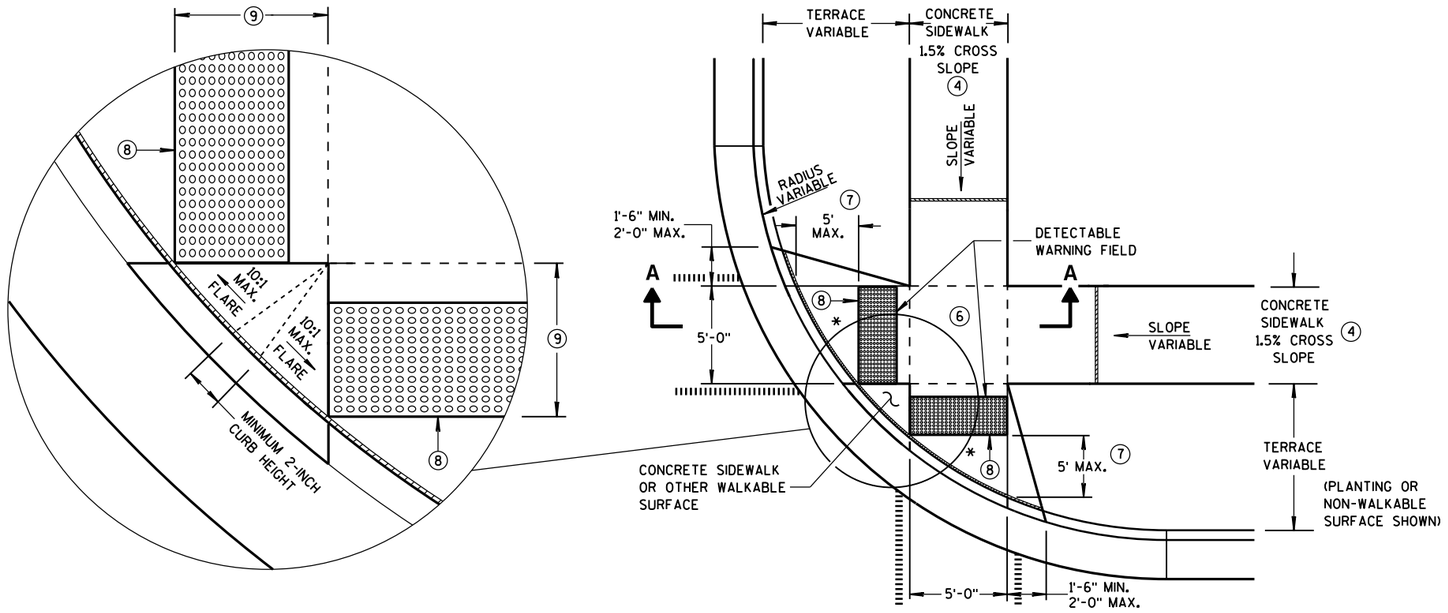
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 8 D 5-19a

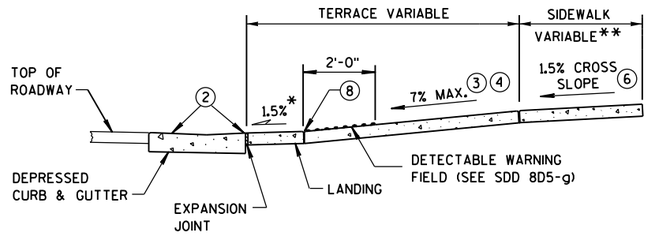


PLAN VIEW

TYPE 2 RAMP

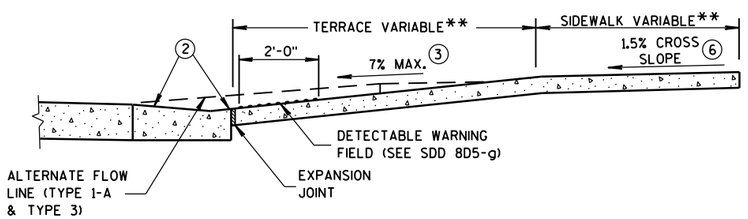
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

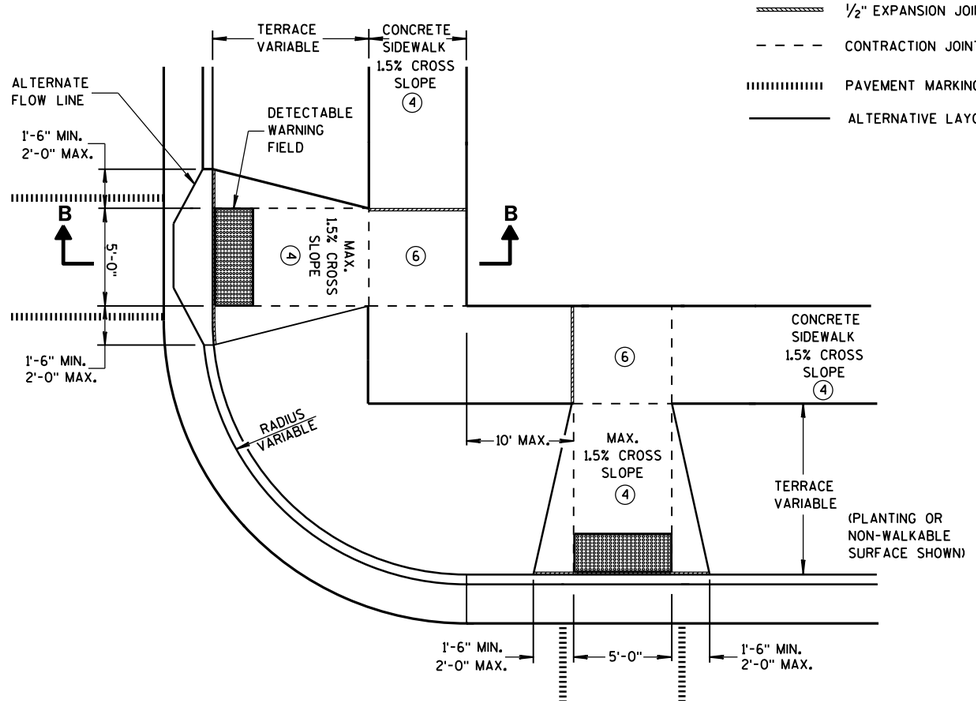
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

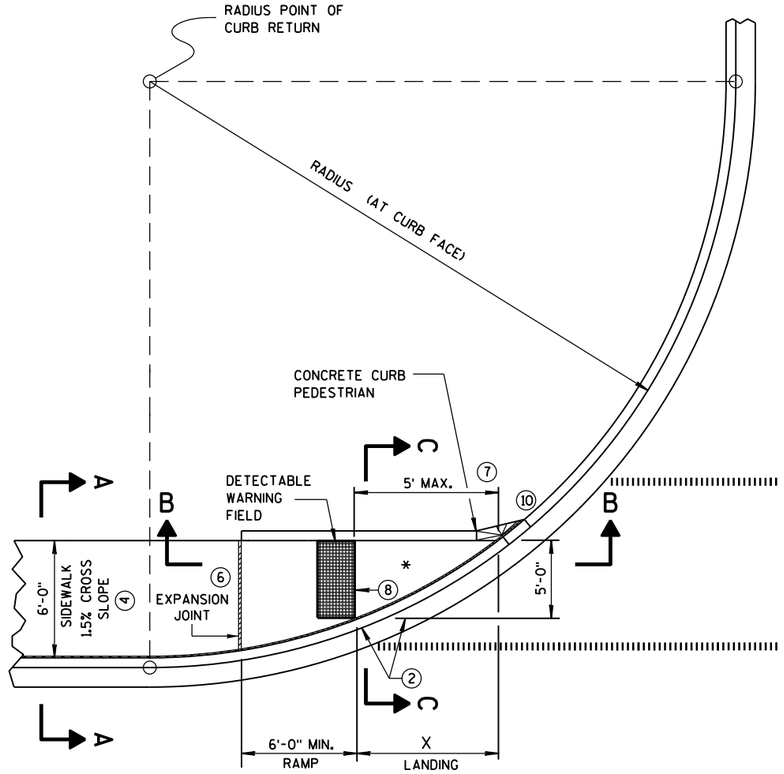
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

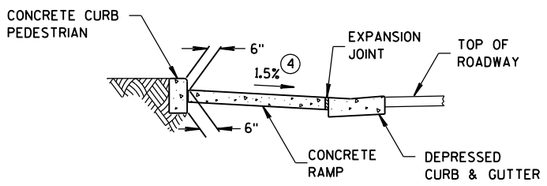
S.D.D. 8 D 5-19b



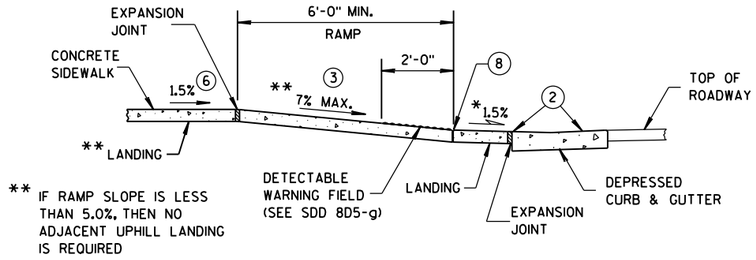
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X
10 FEET	4'-7"
15 FEET	6'-5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



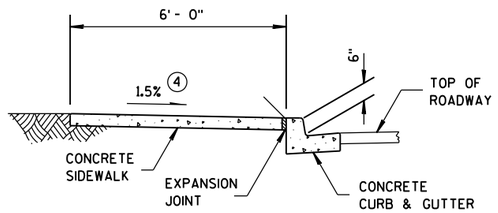
SECTION C-C FOR TYPE 4A



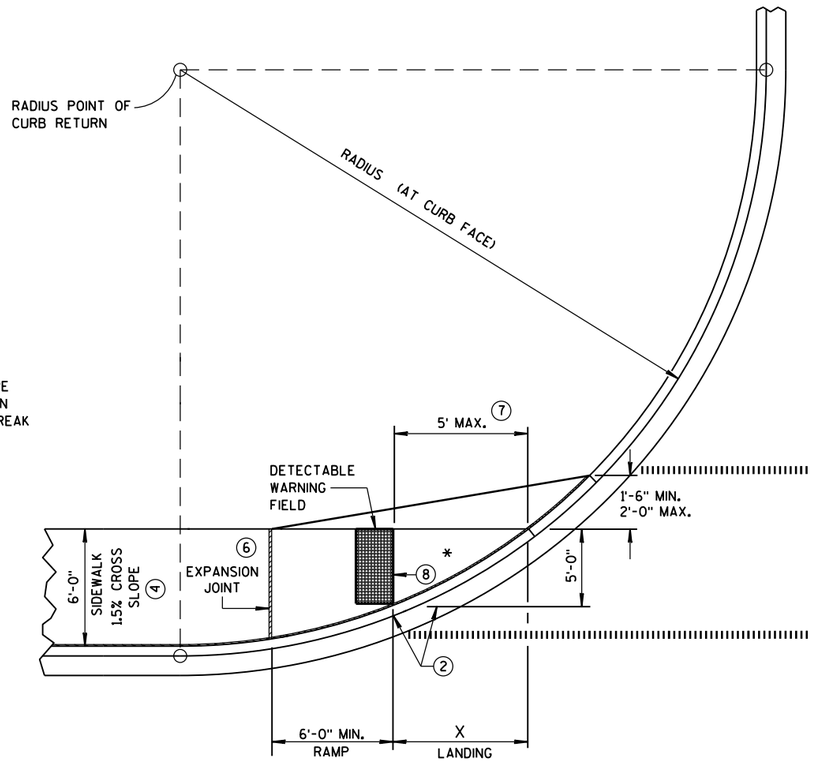
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR TYPE 4A

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

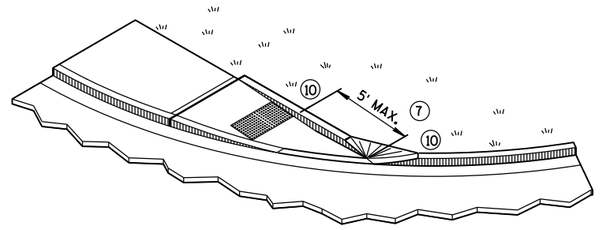
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

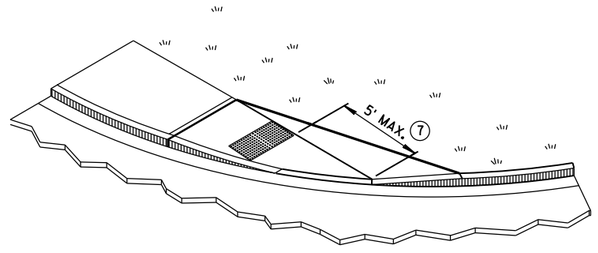
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

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



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

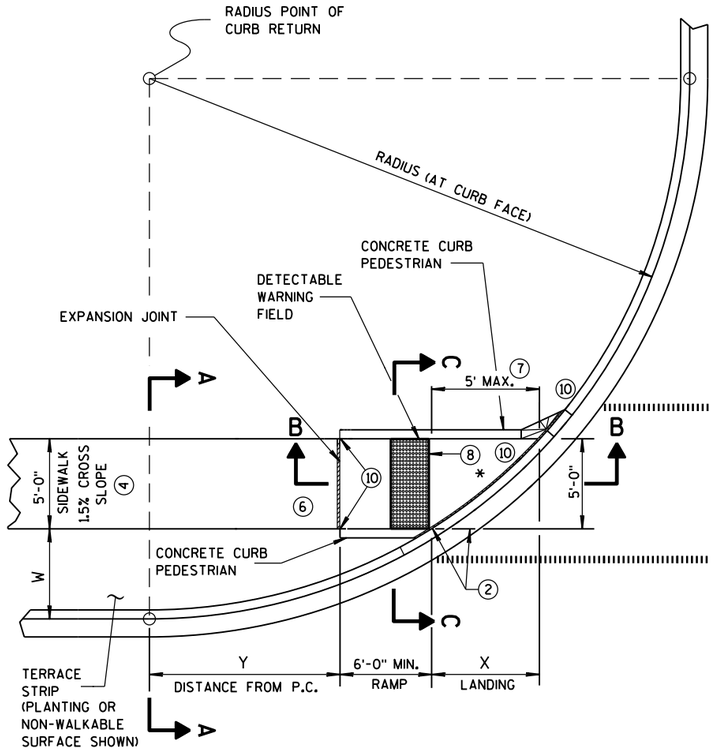
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

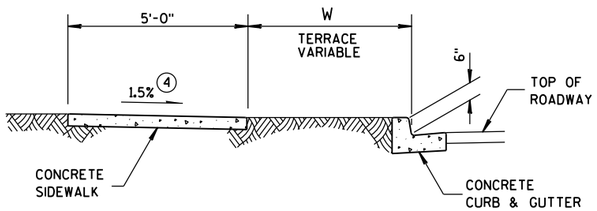
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

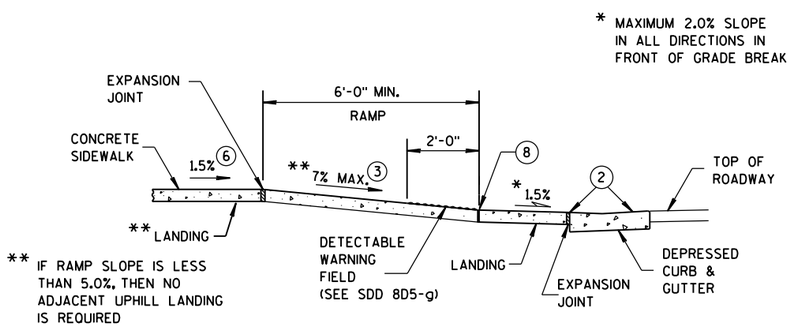
S.D.D. 8 D 5-19c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



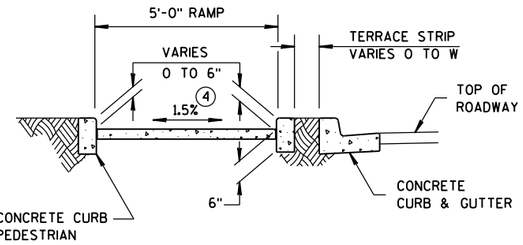
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

SECTION B-B FOR 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'-10¼"	0'-5"	2'-1"	1'-4½"	1'-5"	2'-1"	0'-10"	2'-7½"	0'-3¼"	3'-0¼"						
15 FEET	4'-6¾"	2'-1¾"	3'-9"	3'-5¼"	3'-1¼"	4'-6"	2'-6¾"	5'-4½"	2'-1"	6'-1"	1'-8"	6'-8½"	1'-3¼"	7'-2½"	0'-10¾"	7'-7¼"
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-7"	3'-3"	8'-6½"	2'-10"	9'-4½"	2'-5½"	10'-1¼"	2'-1¼"	10'-9"
30 FEET			6'-9¼"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"	4'-5½"	13'-7¾"	4'-0¾"	14'-8½"	3'-8½"	15'-8¼"
40 FEET									6'-1¾"	15'-8½"	5'-8"	17'-2"	5'-3"	18'-5¾"	4'-10¾"	19'-8¼"
50 FEET															5'-10¼"	23'-2"

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



SECTION C-C FOR TYPE 4B

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

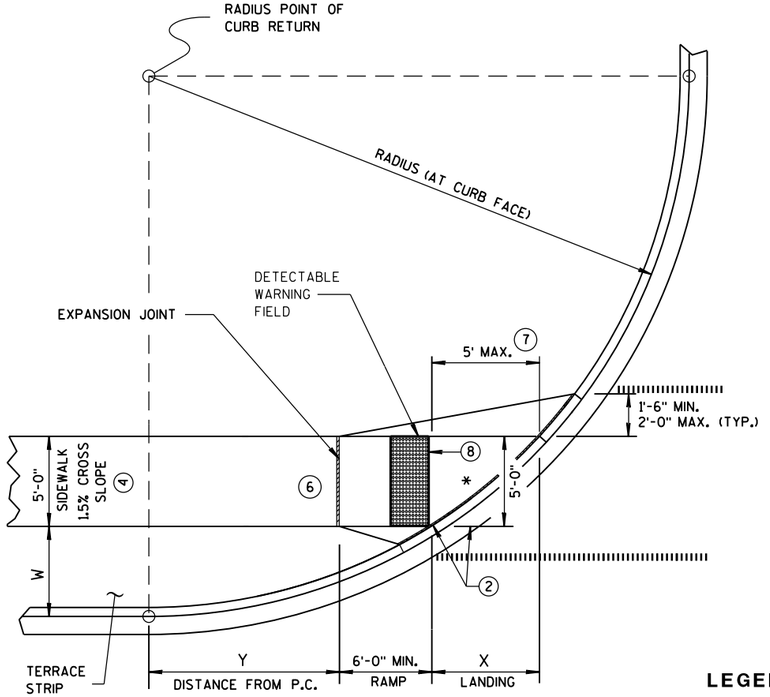
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

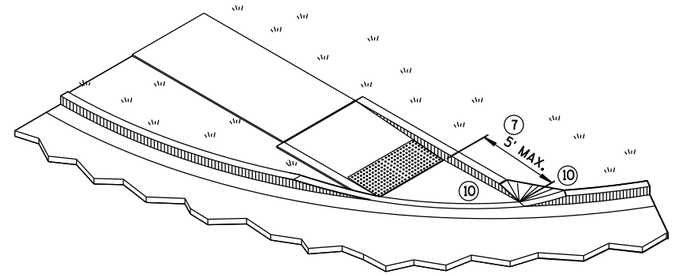
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

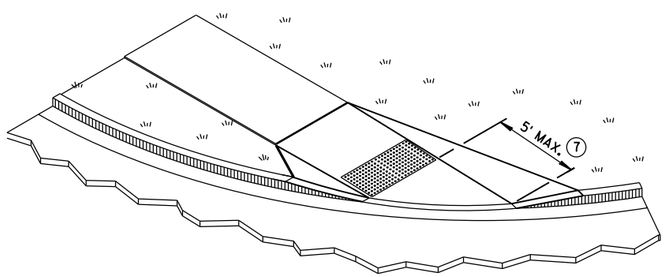
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

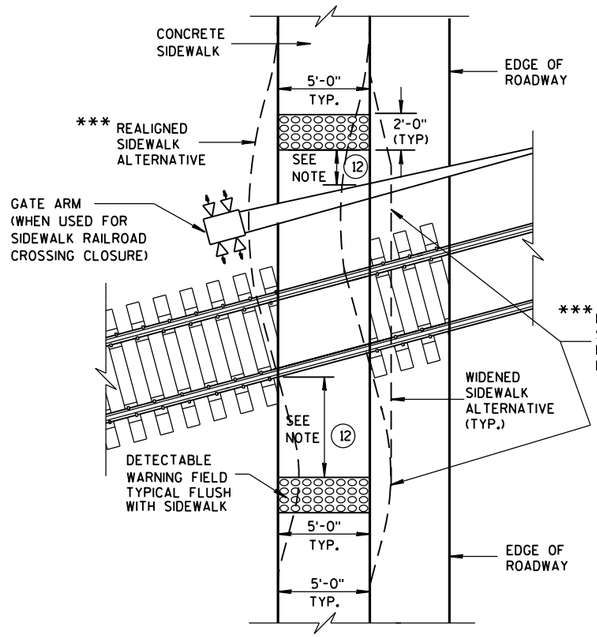
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

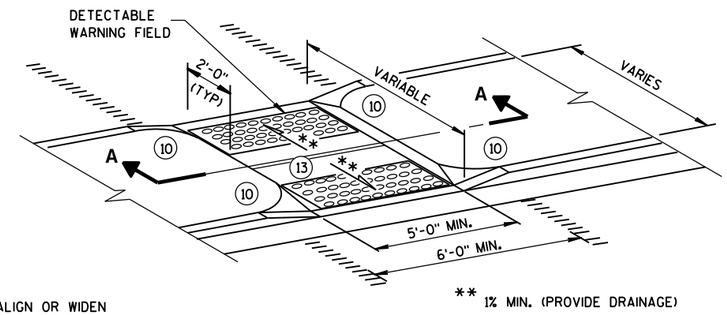
6

S.D.D. 8 D 5-19d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING

*** DETAILS TO BE DETERMINED BY DESIGNER



** 1% MIN. (PROVIDE DRAINAGE)

MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5

GENERAL NOTES

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

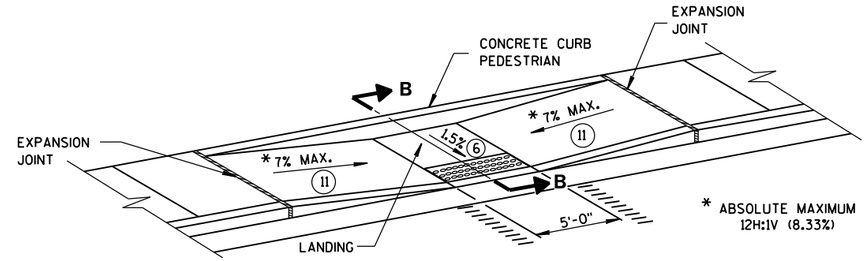
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

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

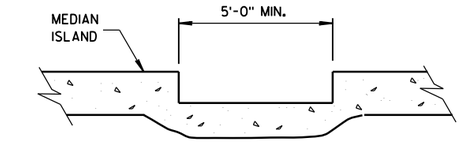
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

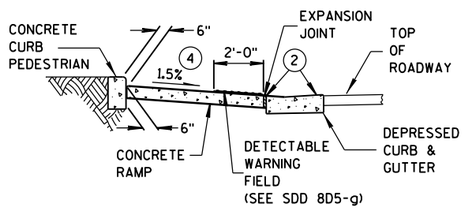
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



MID-BLOCK CROSSING
TYPE 7A

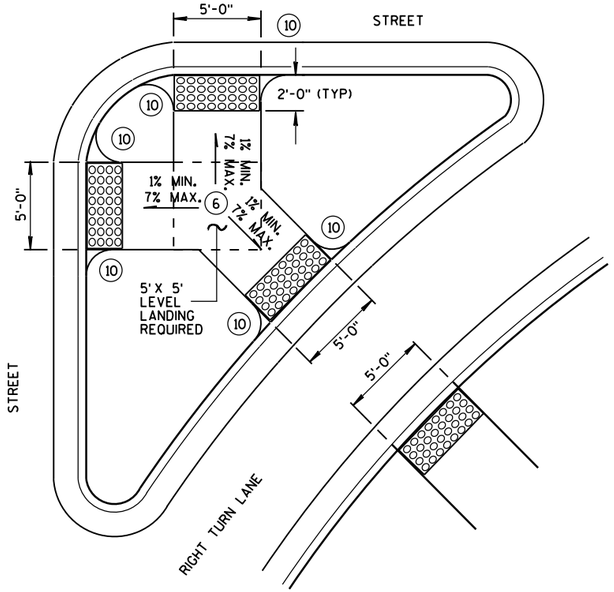


SECTION A-A

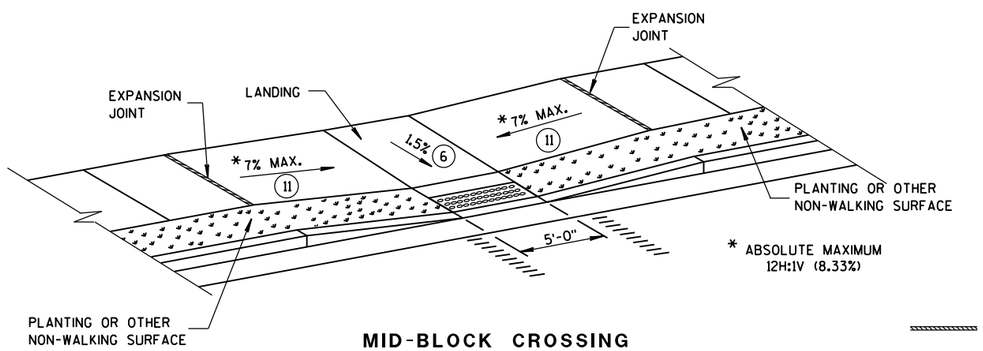


SECTION B-B

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



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

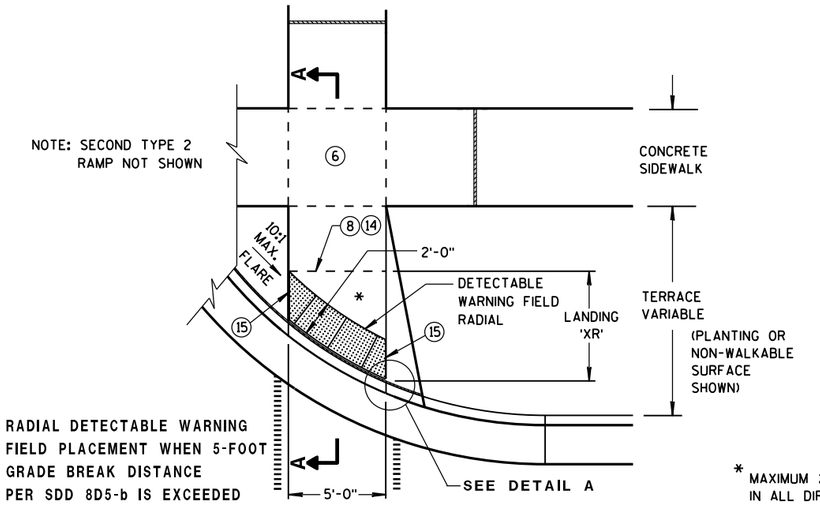
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

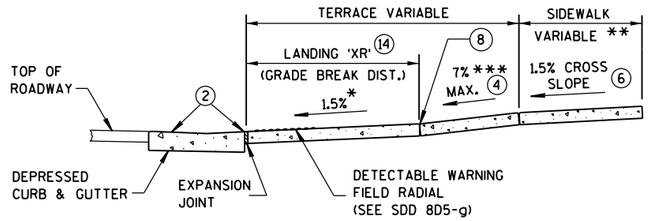
6

S.D.D. 8 D 5-19e



TYPE 2 RAMP
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION A-A

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

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

DETECTABLE WARNING FIELDS (DWFs) 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 FIELD 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.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

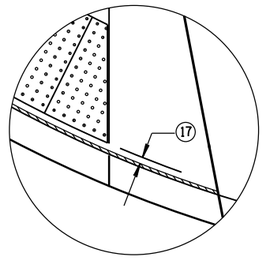
(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

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

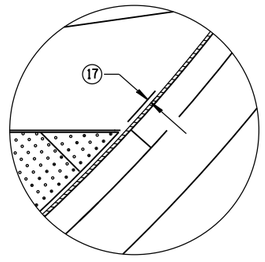
(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

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

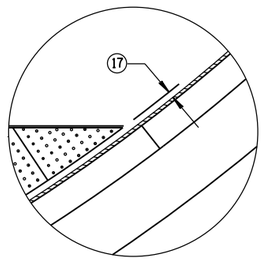
(17) A MAXIMUM 3-INCH CONCRETE BORDER WIDTH IS ALLOWABLE IN FRONT OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.



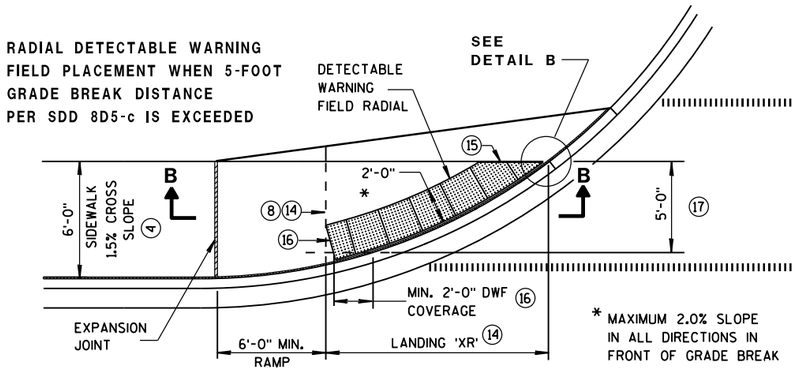
DETAIL A



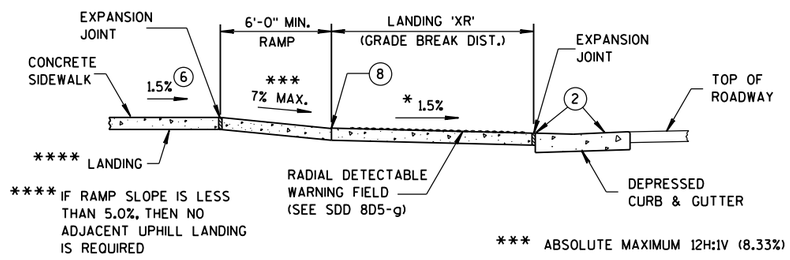
DETAIL C



DETAIL B



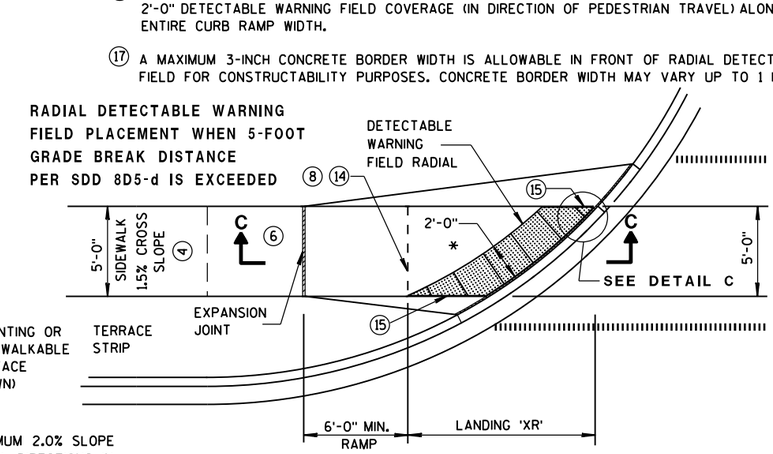
CURB RAMP TYPE 4A1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

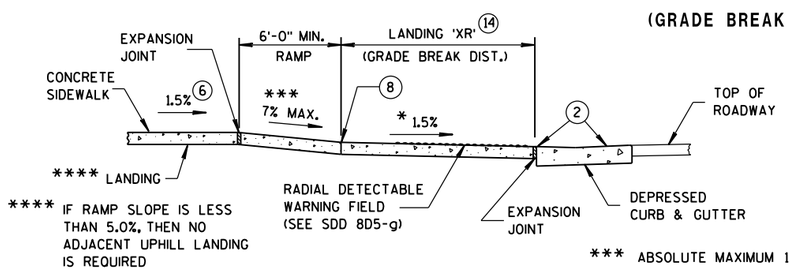
*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION B-B FOR TYPE 4A1



* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

CURB RAMP TYPE 4B1
PLAN VIEW
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** ABSOLUTE MAXIMUM 12H:1V (8.33%)

SECTION C-C FOR TYPE 4B1

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

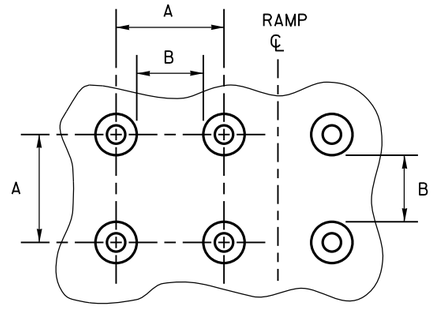
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

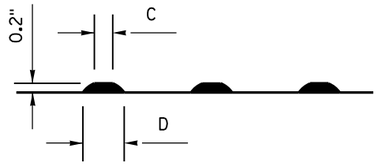
S.D.D. 8 D 5-19f

	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

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, 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 FIELD ARE PROHIBITED.

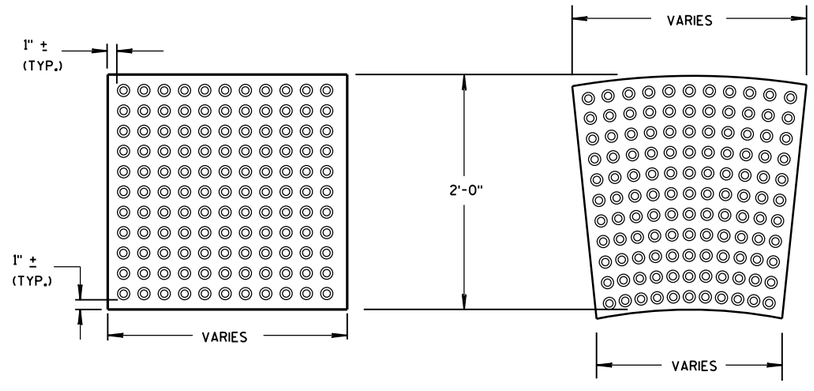
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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 WEDGES IN COMBINATION WITH SQUARE PANELS 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 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

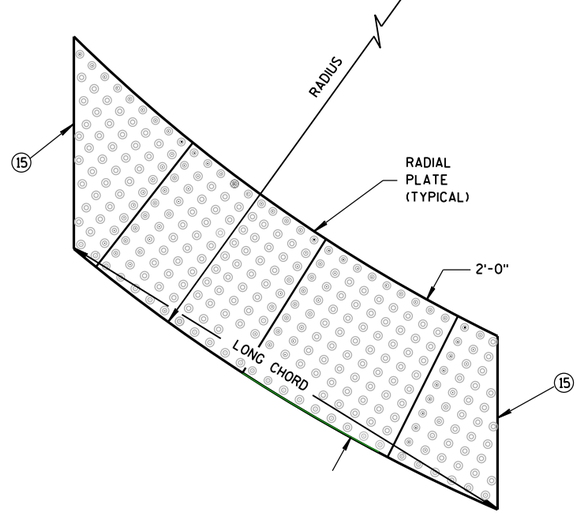


RECTANGULAR PLATES

RADIAL PLATES

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

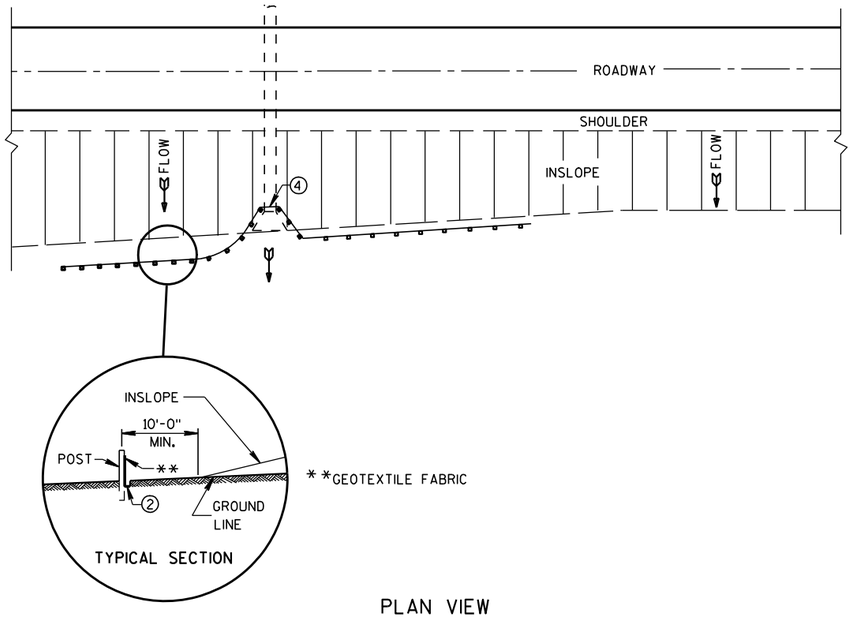
APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
ENT
FHWA

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S.D.D. 8 D 5-19g

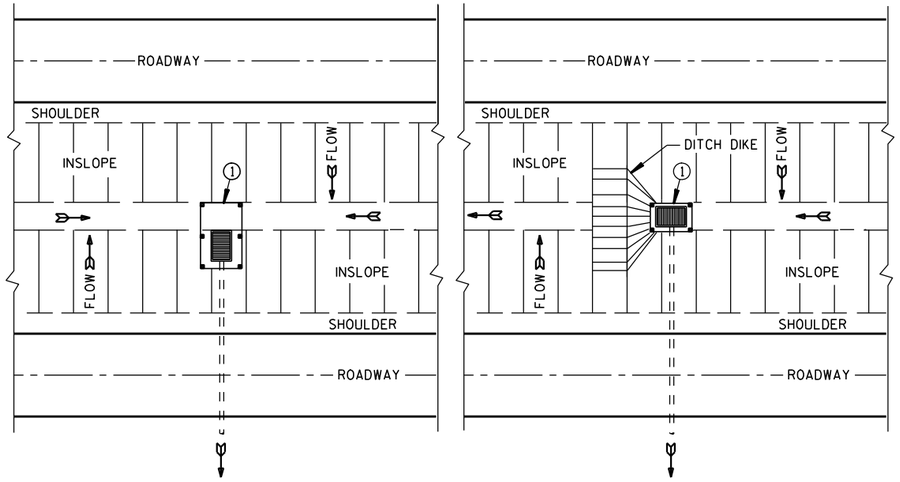
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PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

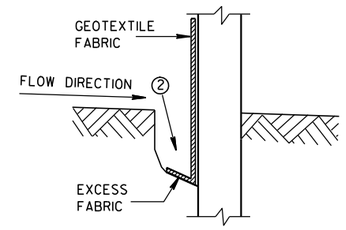
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

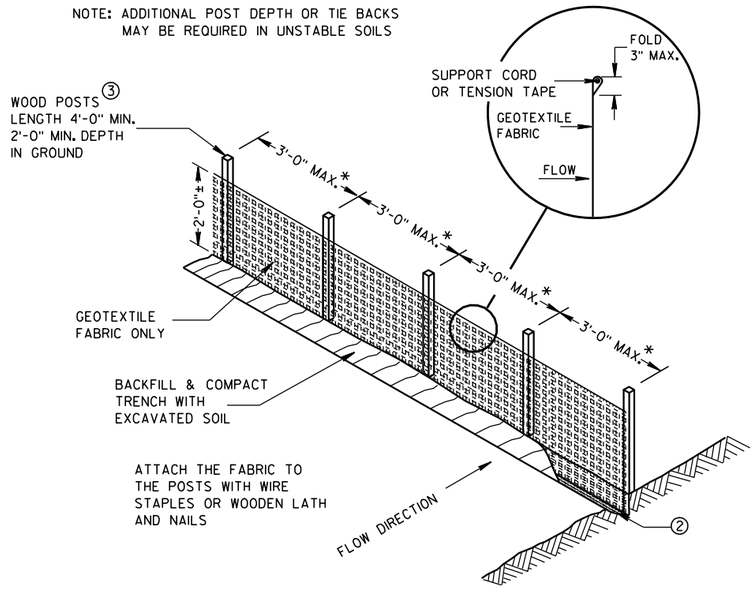
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

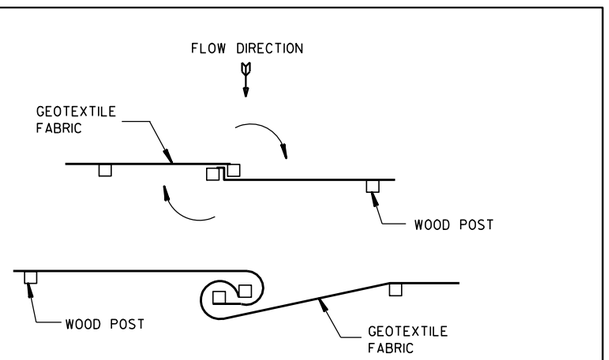
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



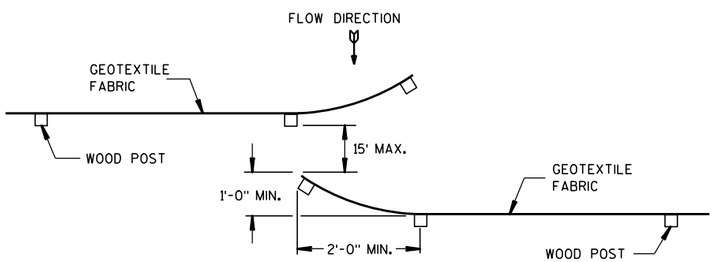
TRENCH DETAIL



SILT FENCE

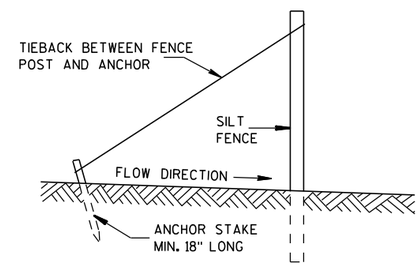


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

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DEPARTMENT OF TRANSPORTATION

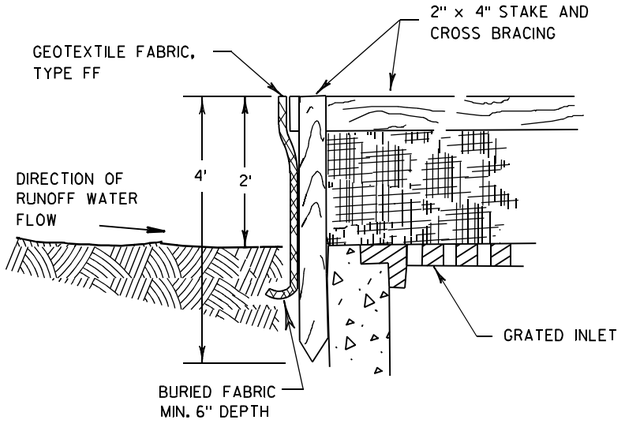
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

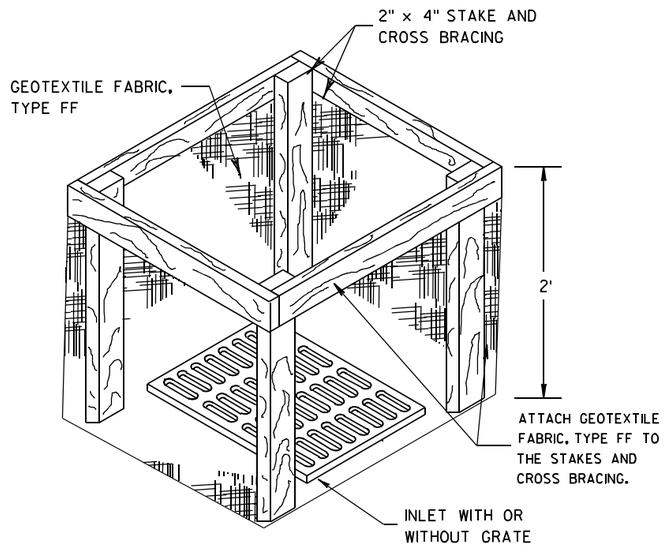
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S.D.D. 8 E 9-6

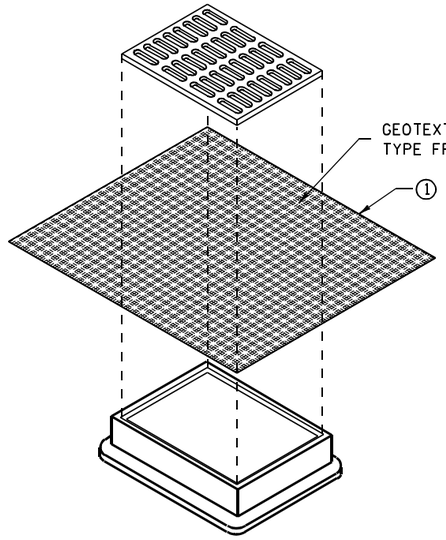
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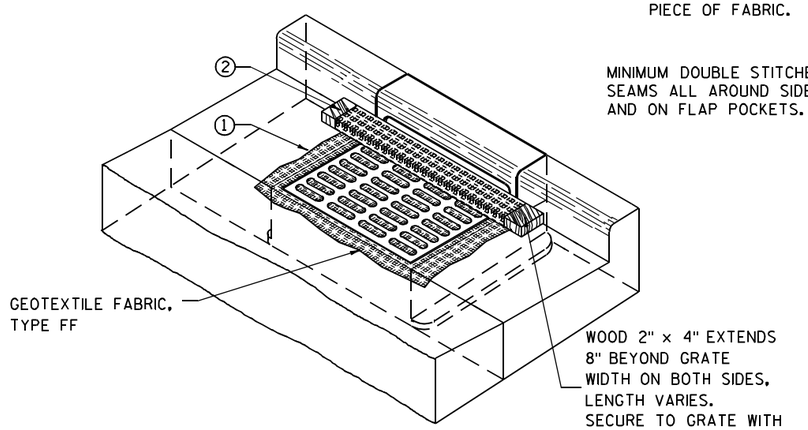


INLET PROTECTION, TYPE A

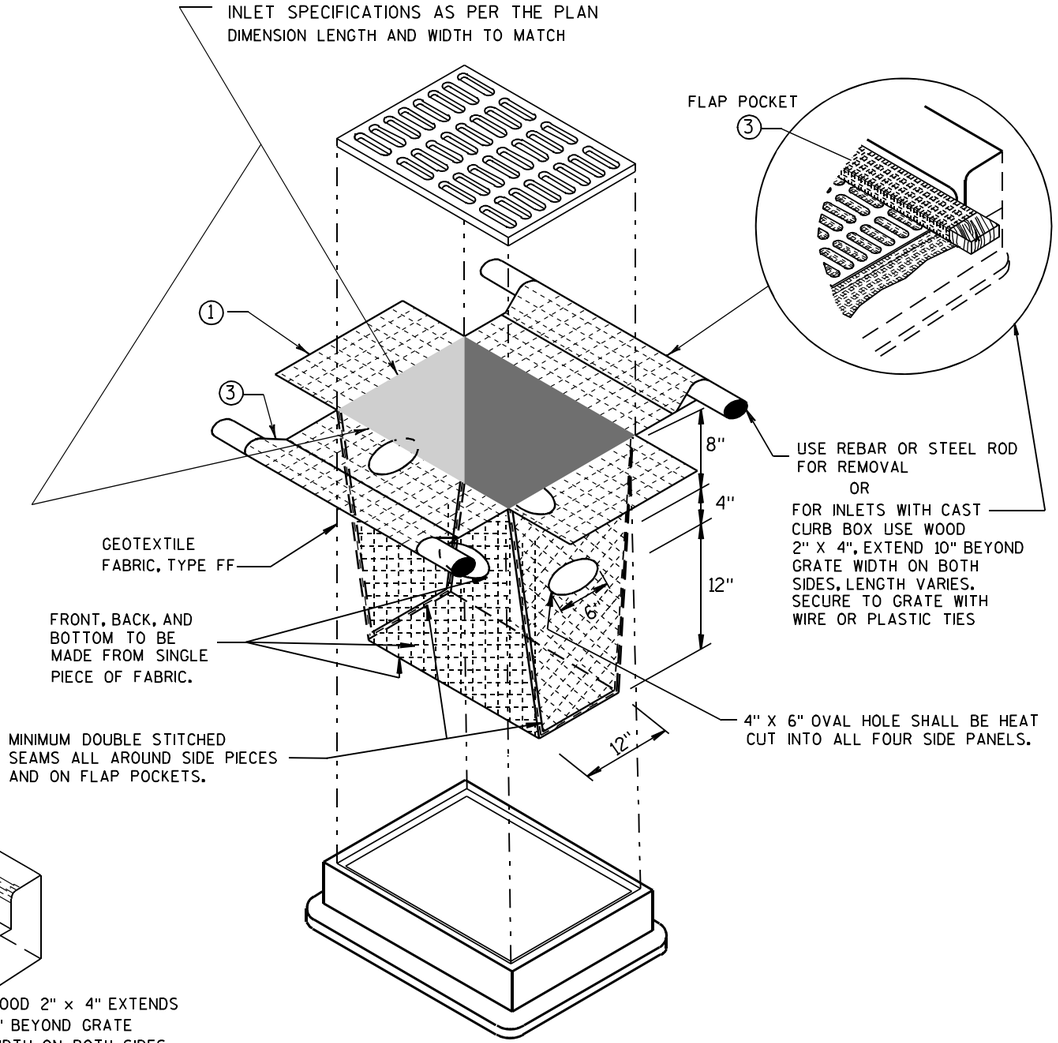


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

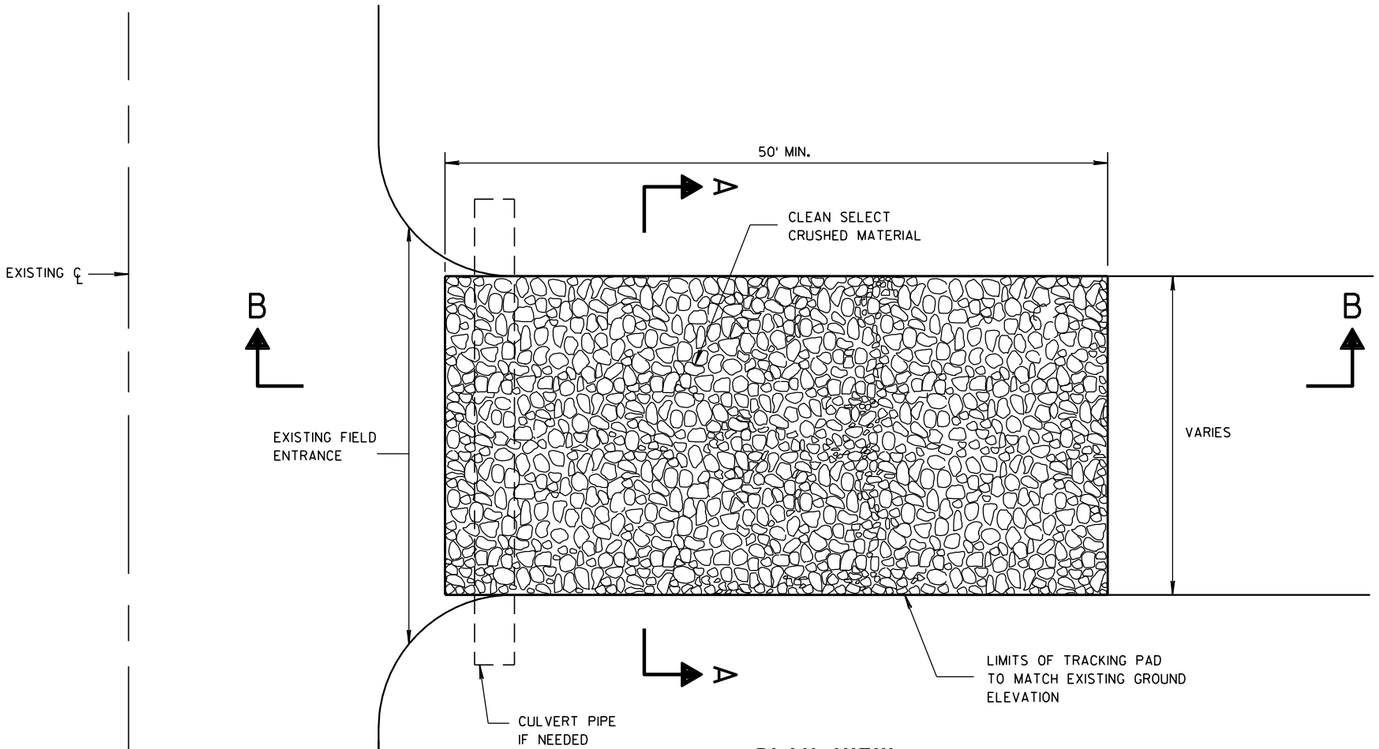
APPROVED
10/16/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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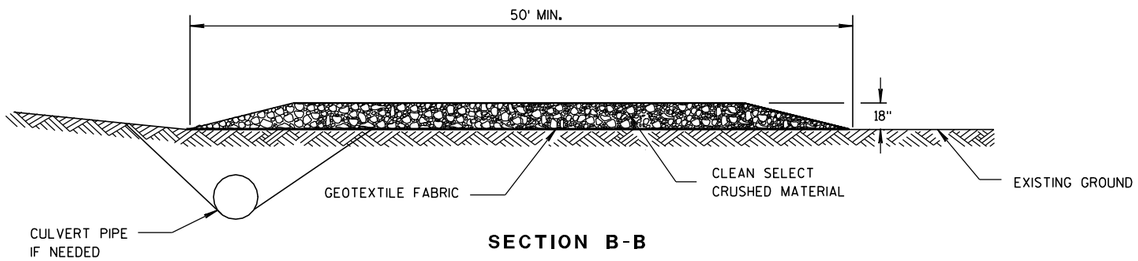
S.D.D. 8 E 10-2

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S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

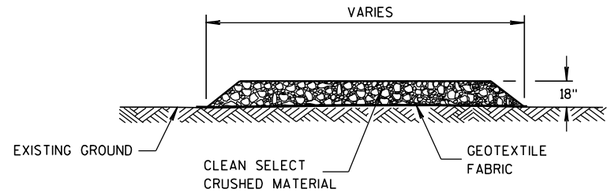
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

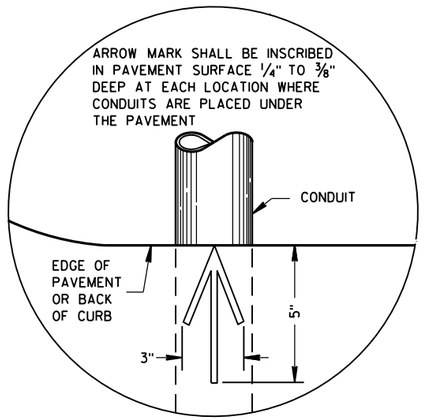
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
ENT
FHWA

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S.D.D. 8 E 14-1

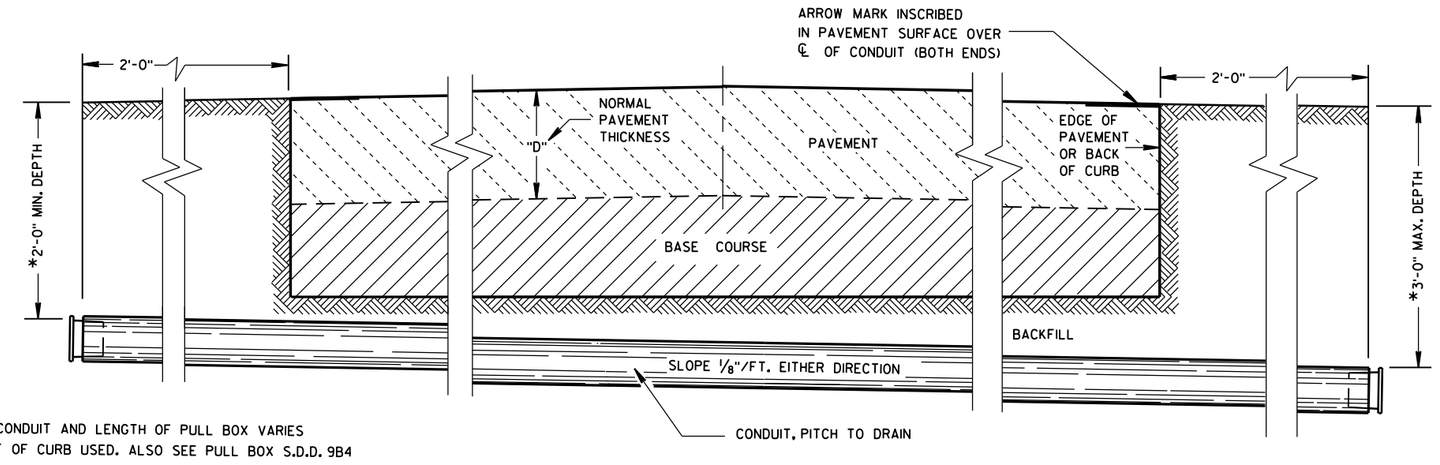
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S.D.D. 8 E 14-1



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

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

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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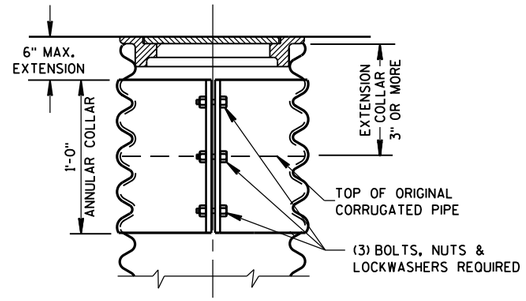
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

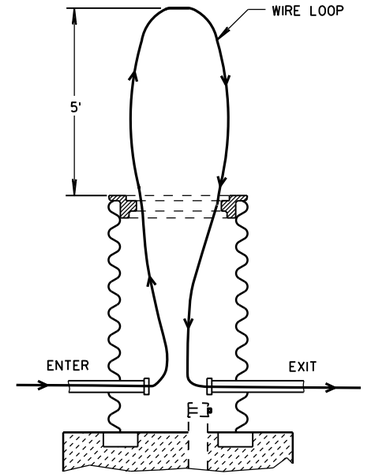
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

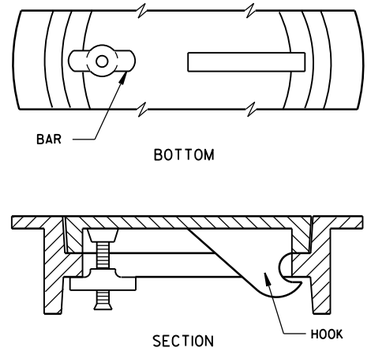
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

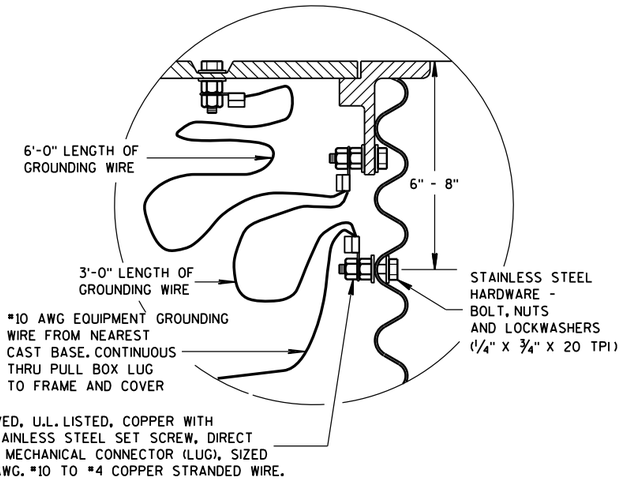


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

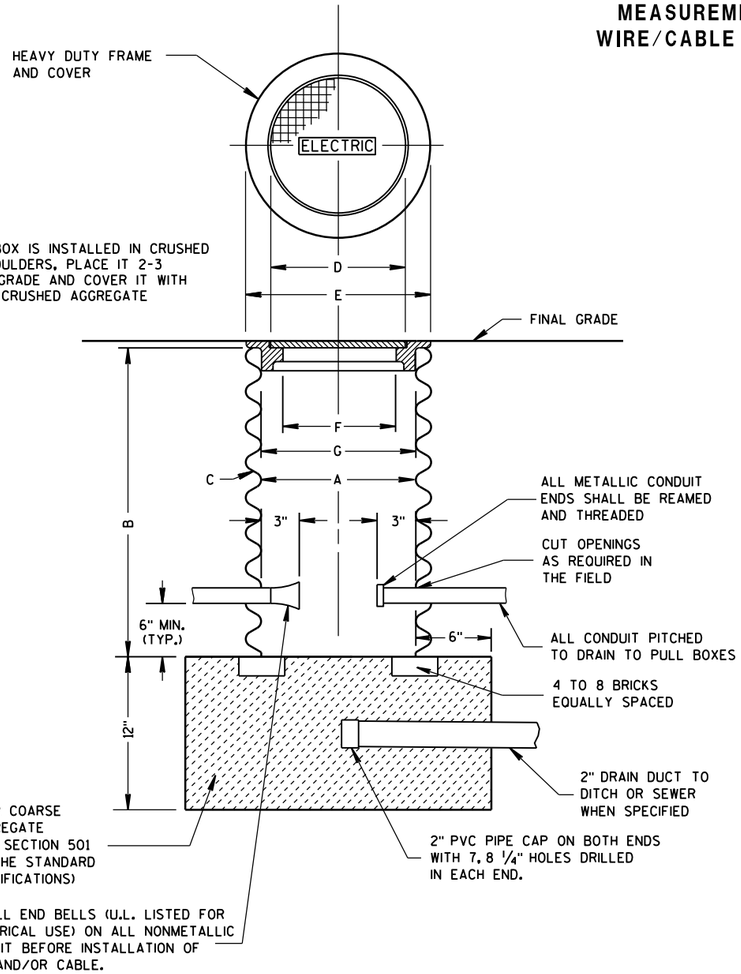


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

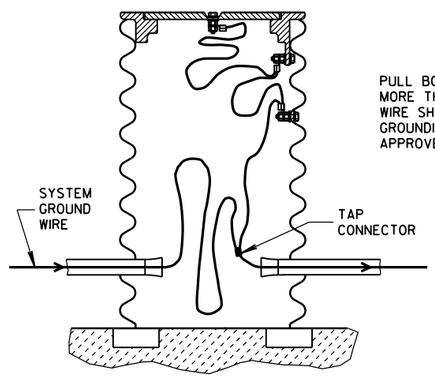
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

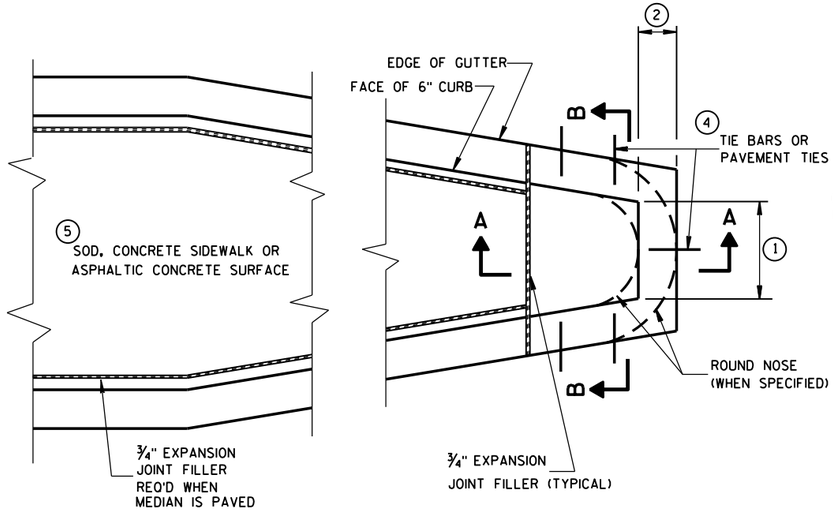
PULL BOX

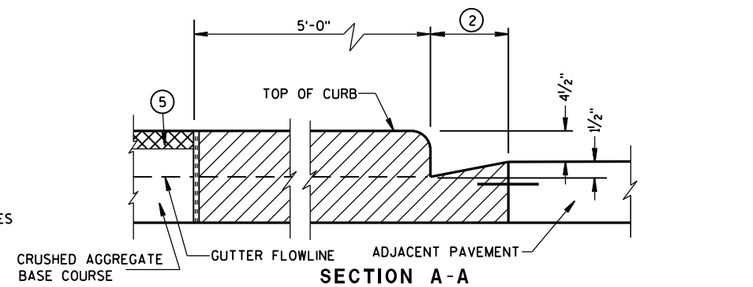
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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S.D.D. 9 B 4-11





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

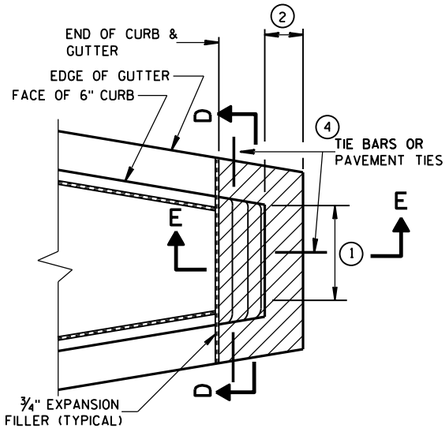
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

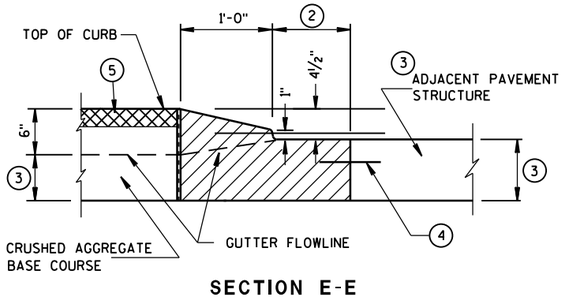
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

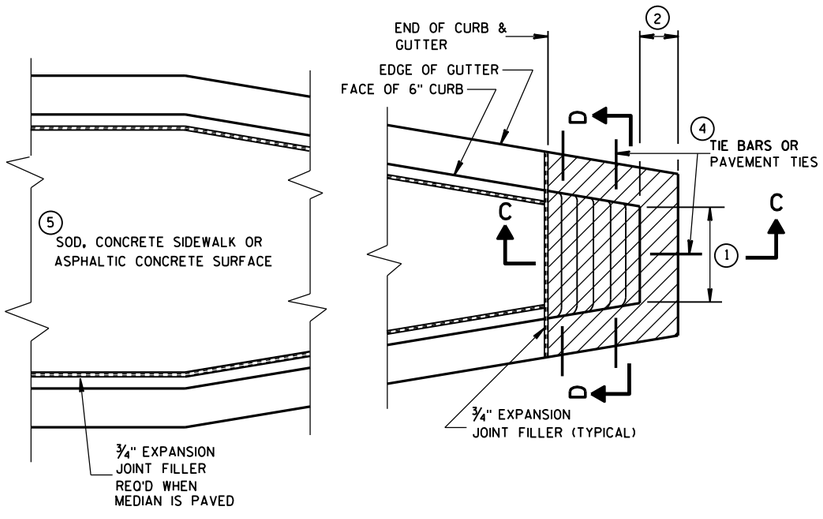
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

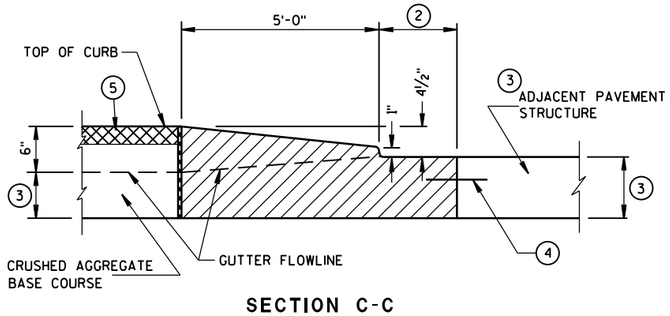
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



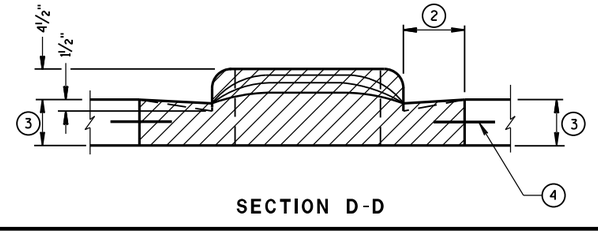


CONCRETE MEDIAN SLOPED NOSE TYPE 2





CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

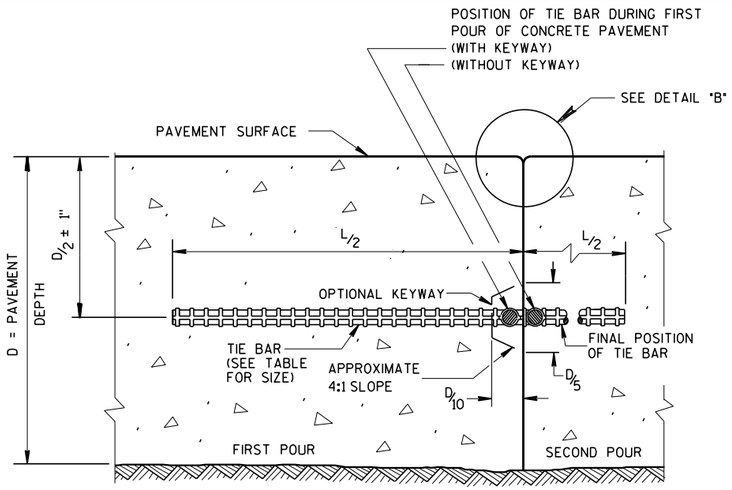
APPROVED
6/8/2006 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

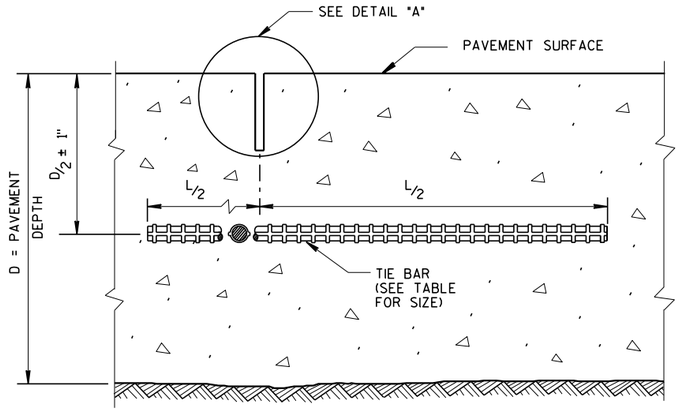
S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

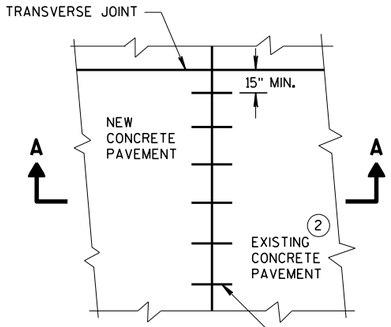
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

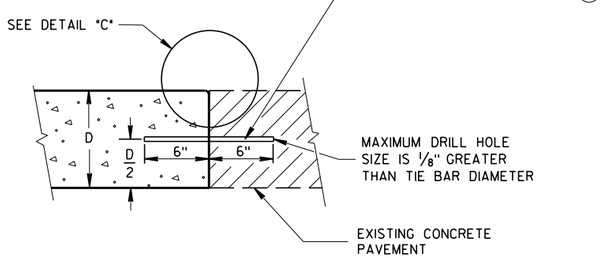
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

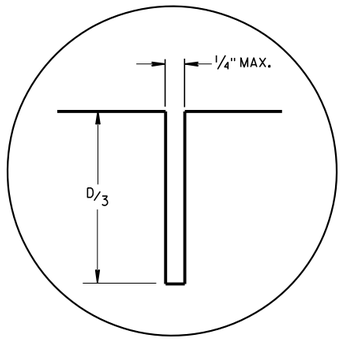


PLAN VIEW

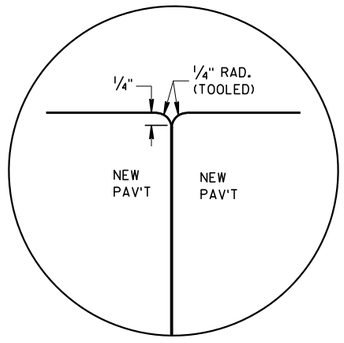


SECTION A-A

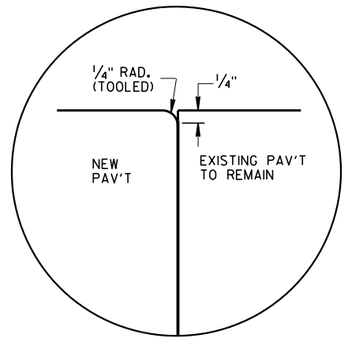
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



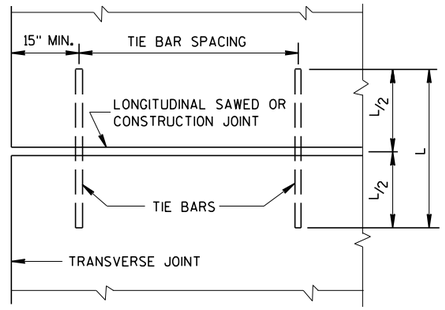
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



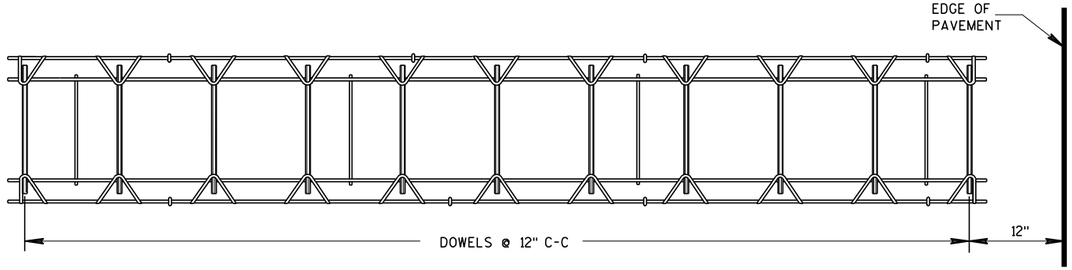
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPE
FHWA

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S.D.D. 13 C 1-19



PLAN VIEW

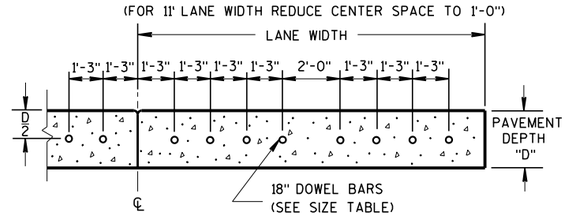


SIDE VIEW

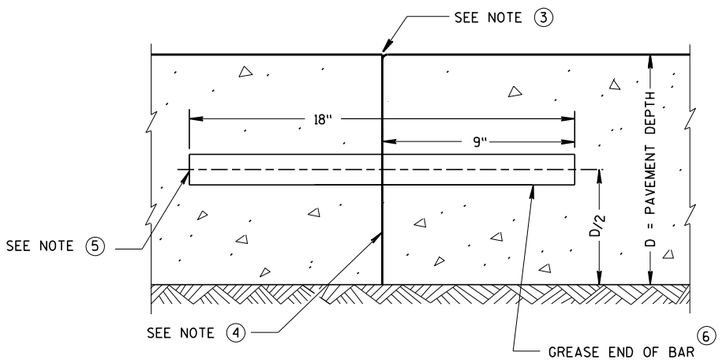
CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

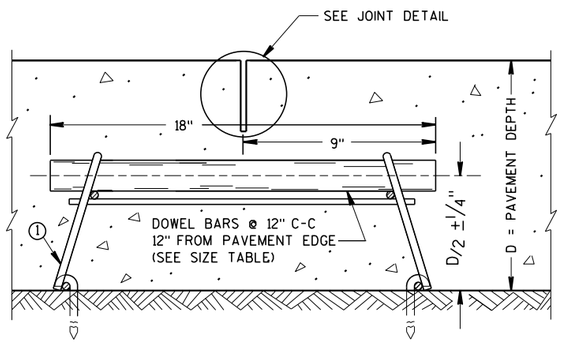
PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'



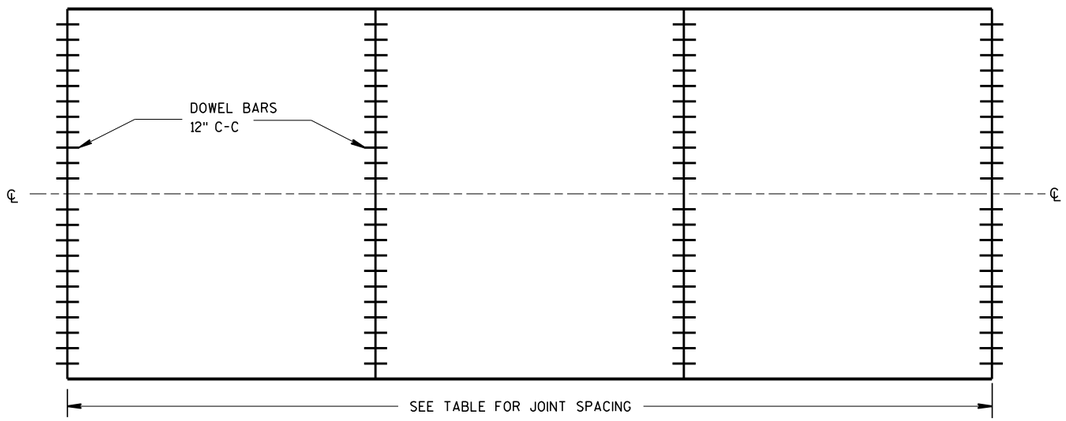
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

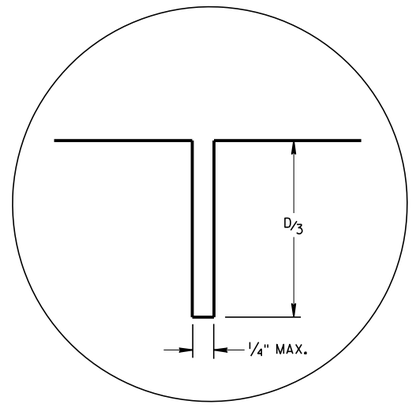
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



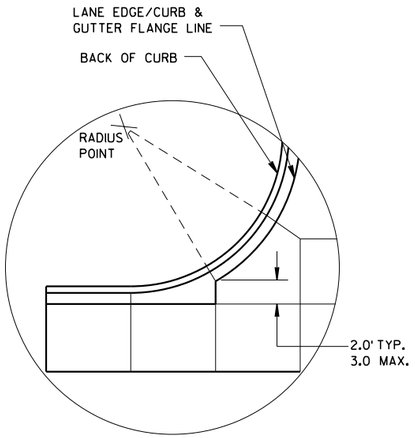
JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

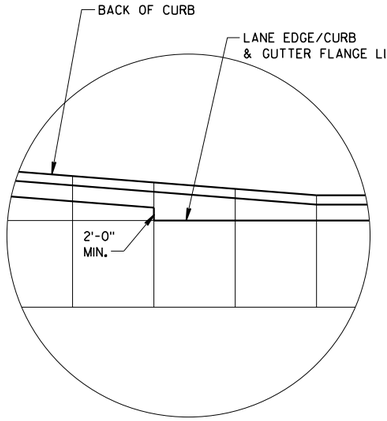
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
FHWA

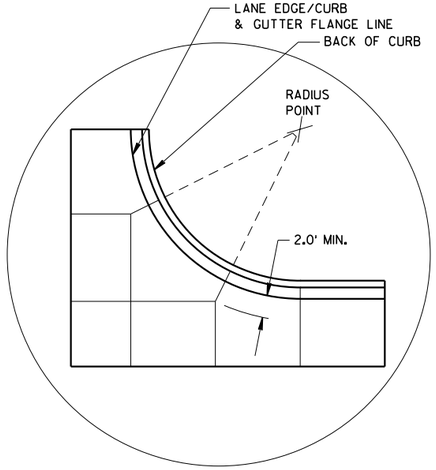
6
S.D.D. 13 C 13-9



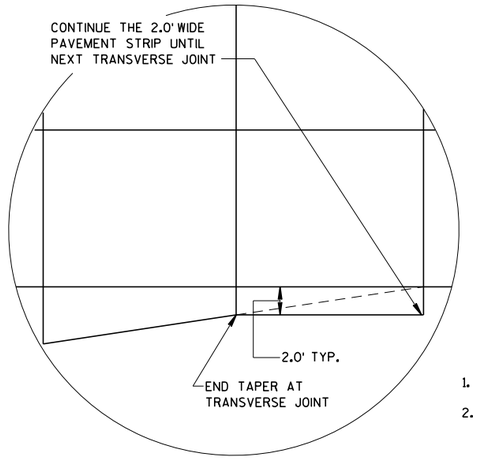
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

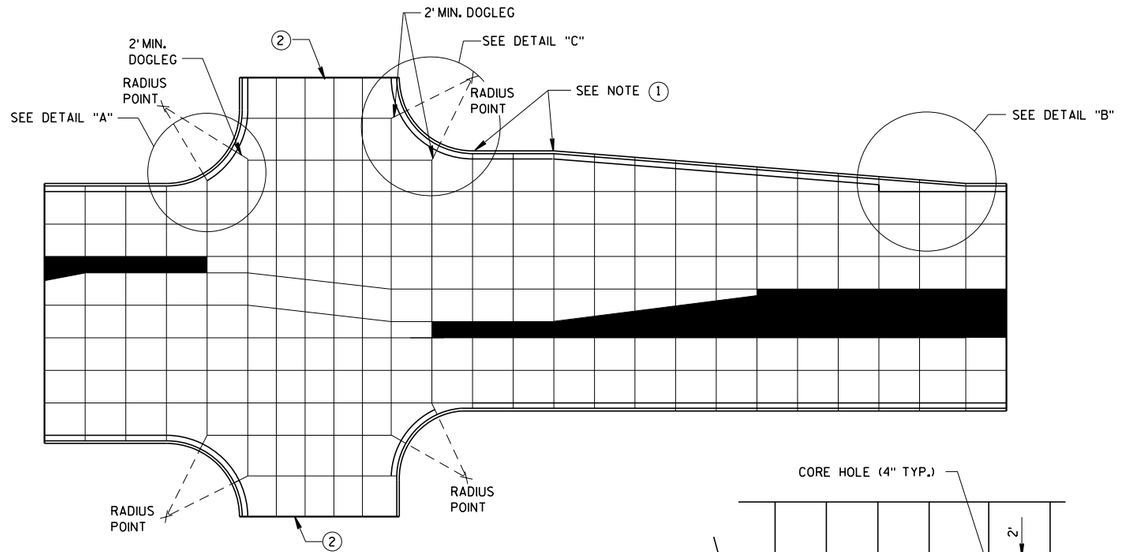
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

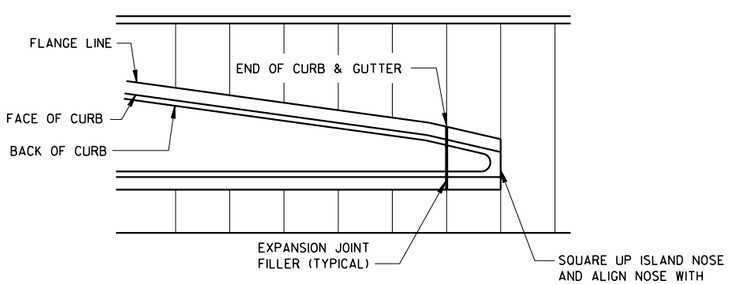


STANDARD INTERSECTION

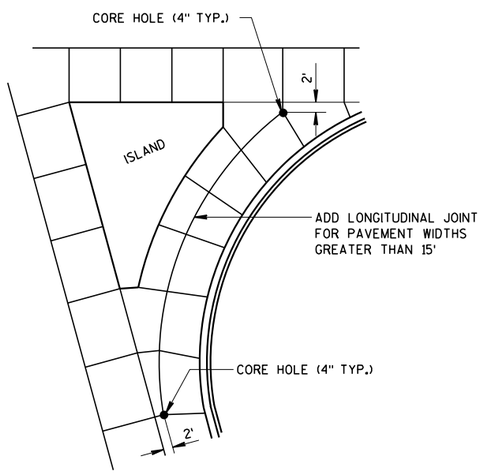
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

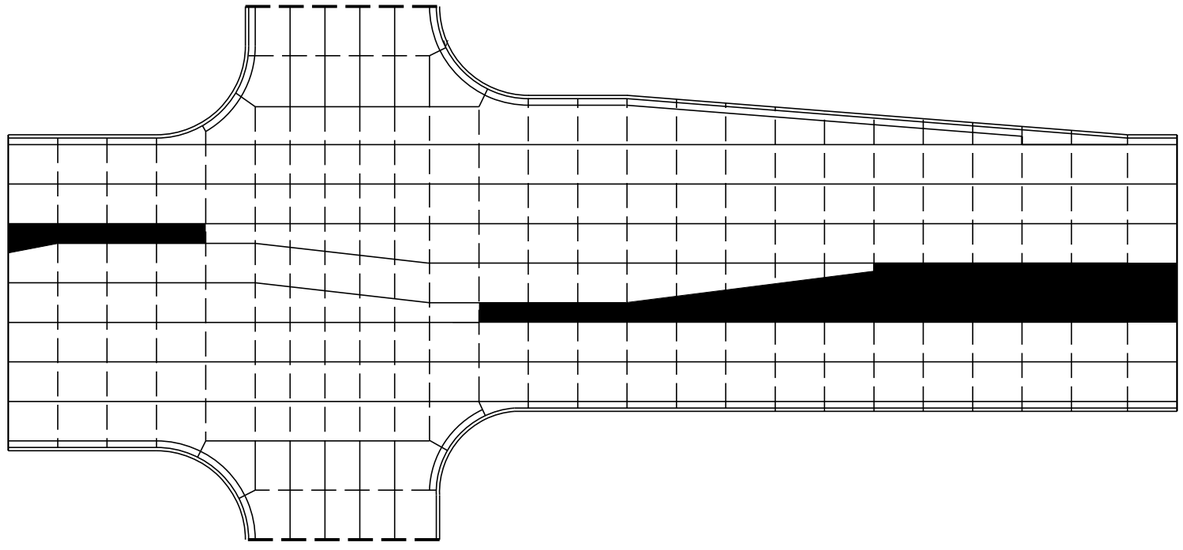
6
S.D.D. 13 C 18-6a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

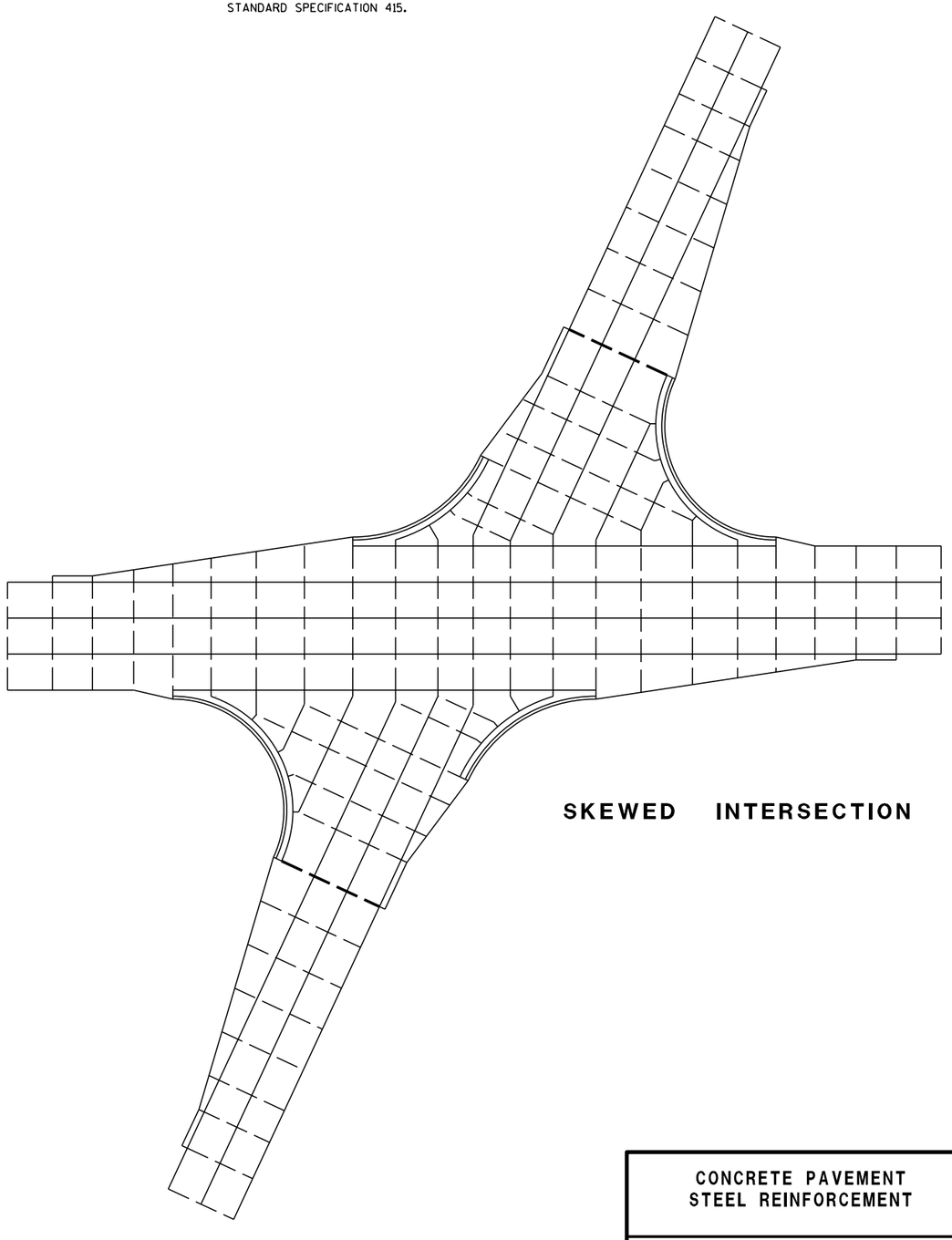
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

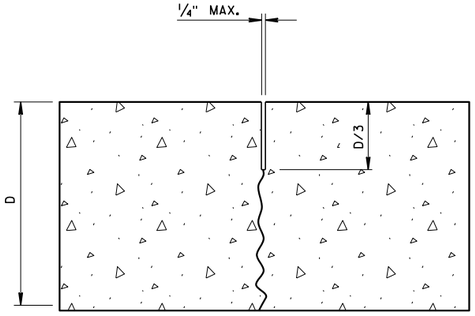
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S.D.D. 13 C 18-6b

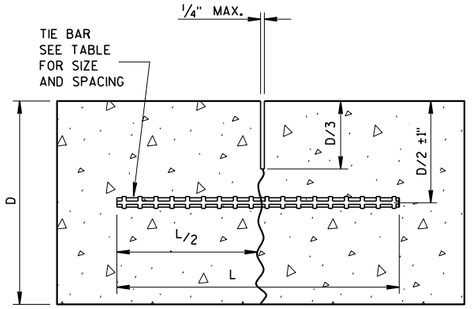
S.D.D. 13 C 18-6b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

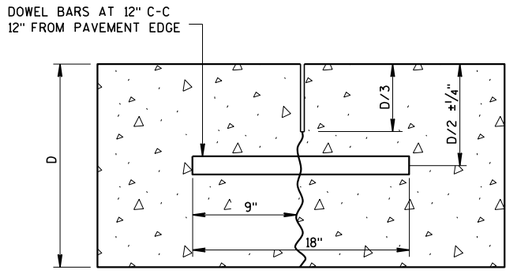
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

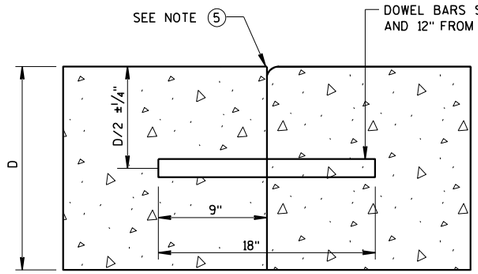
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



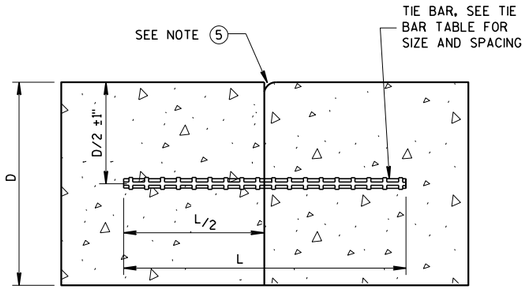
DOWELED-TRANSVERSE

CONTRACTION JOINTS

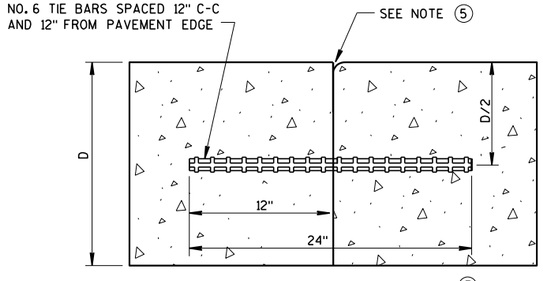
SEE NOTE (2)



DOWELED TRANSVERSE (3)

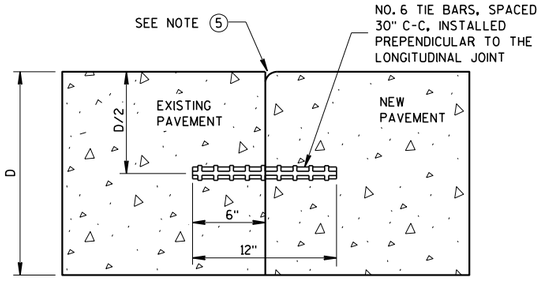


TIED LONGITUDINAL



TIED TRANSVERSE (3)

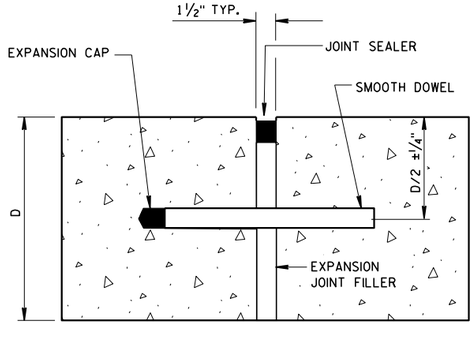
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

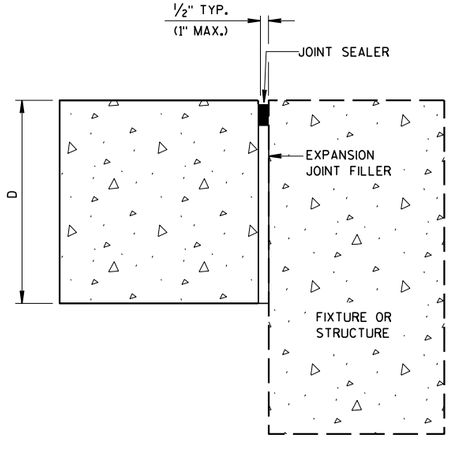
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

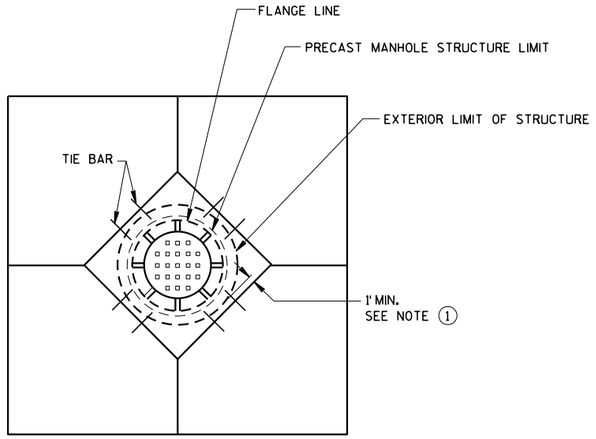
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

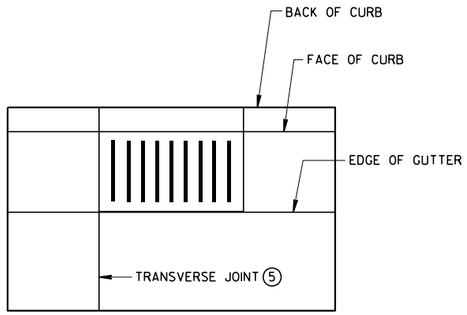
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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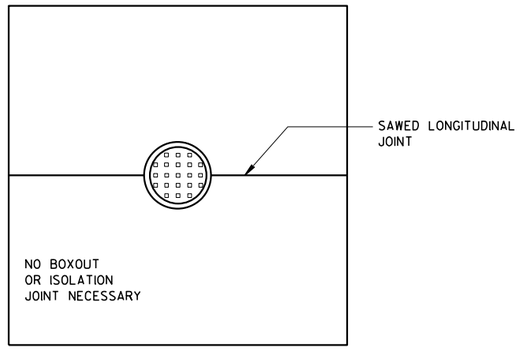
S.D.D. 13 C 18-6c



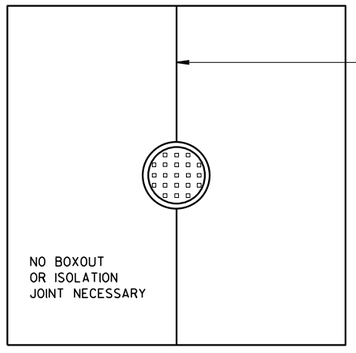
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



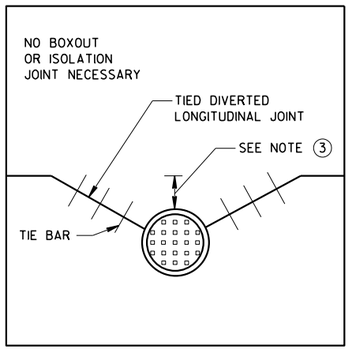
INLET WITH TRANSVERSE JOINT



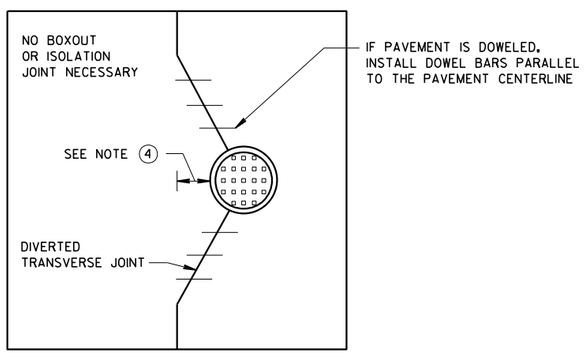
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

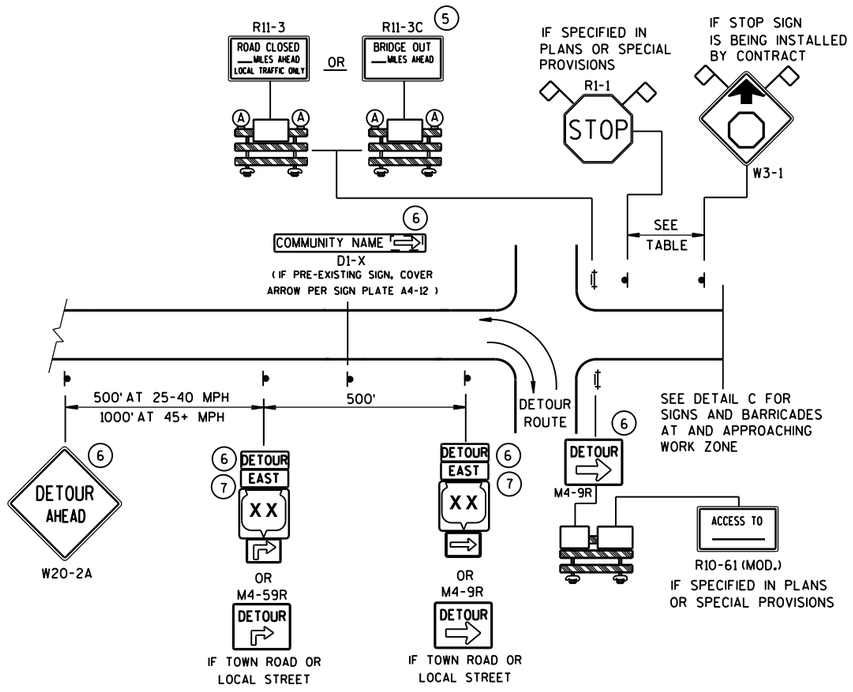
(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

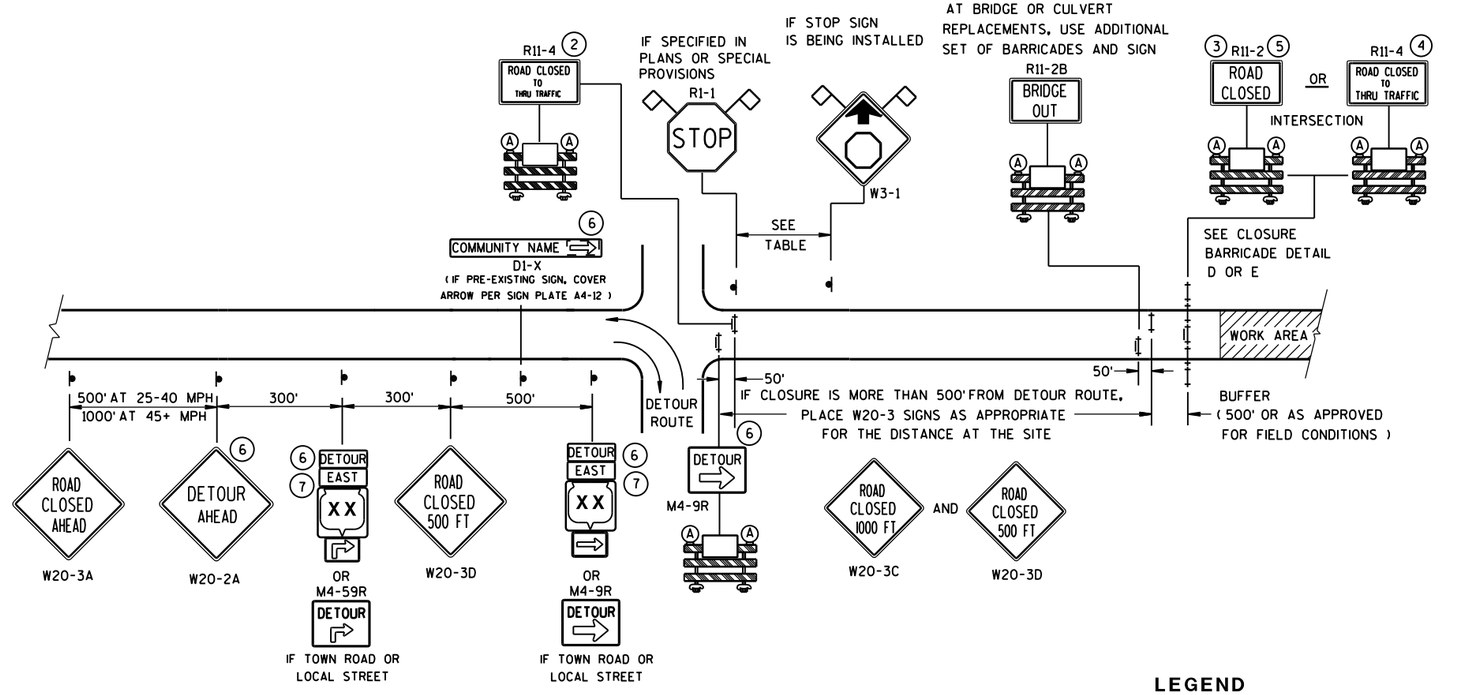
APPROVED
March 2018 — DATE
/S/ Peter K[illegible] P.E. — PAVEMENT SUPT
FHWA

6
S.D.D. 13 C 18-6d



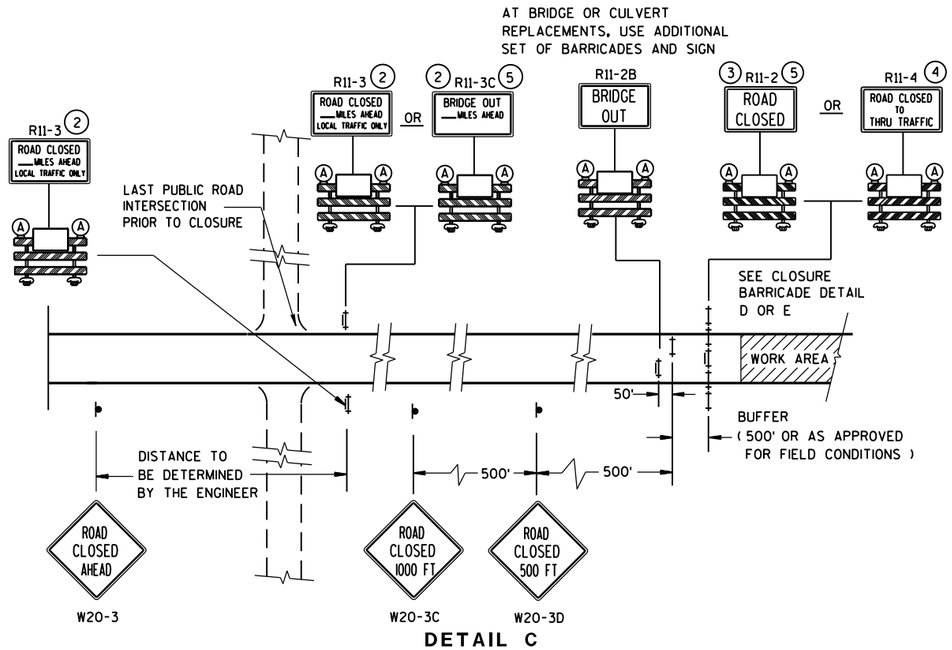
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

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

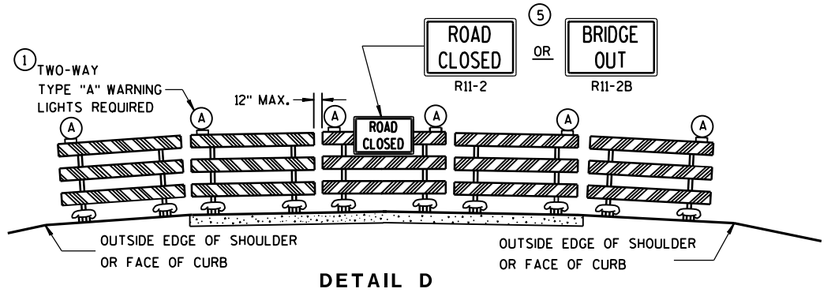
BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

S.D.D. 15 C 2-6a

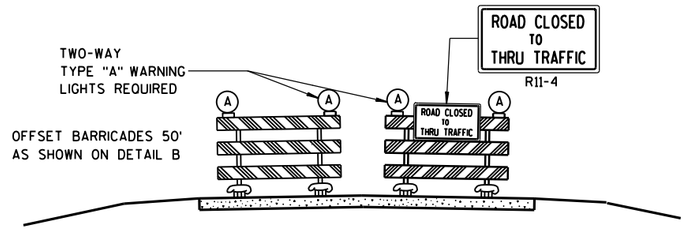
S.D.D. 15 C 2-6a



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 BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE 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, 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". (30" X 15" 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.)
- 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 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 LANE 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 MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO SAFETY ENGI FIC
FHWA

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S.D.D. 15 C 2-6b

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

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.

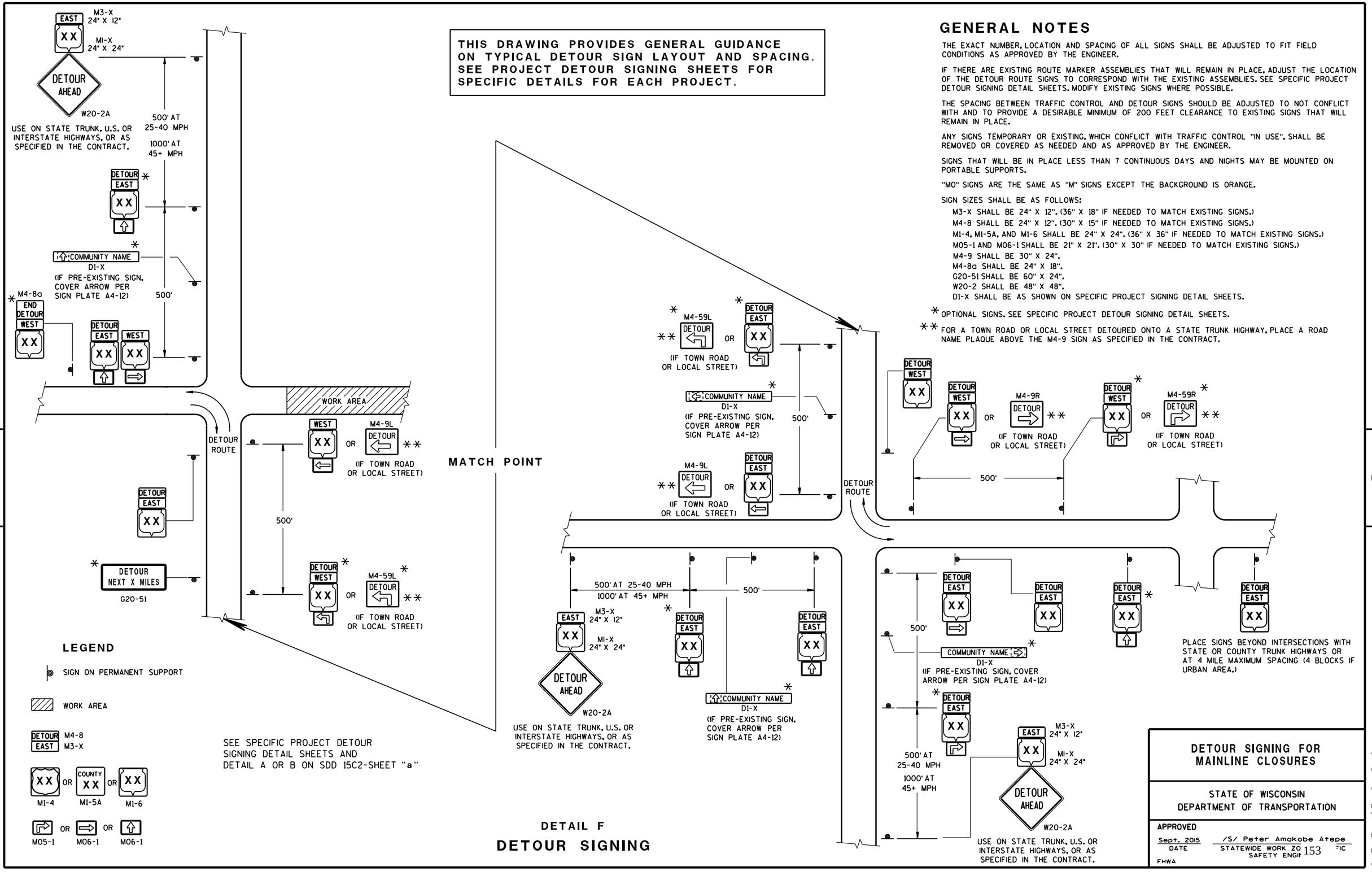
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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". (30" X 15" 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.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 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.



DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

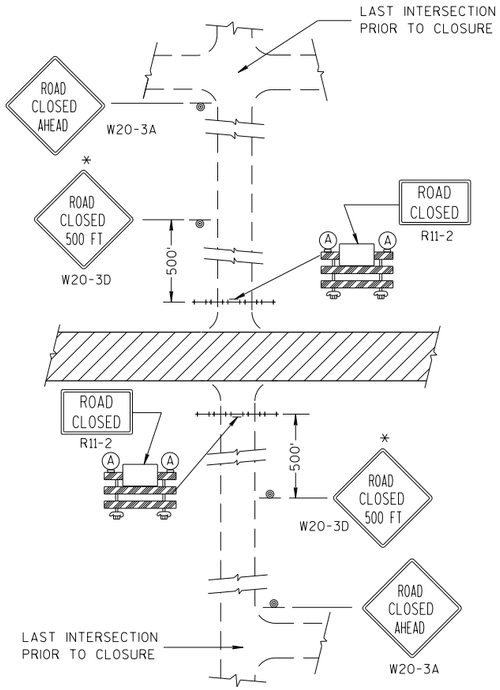
Sept. 2015 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZO... SAFETY ENGI... FIC

FHWA

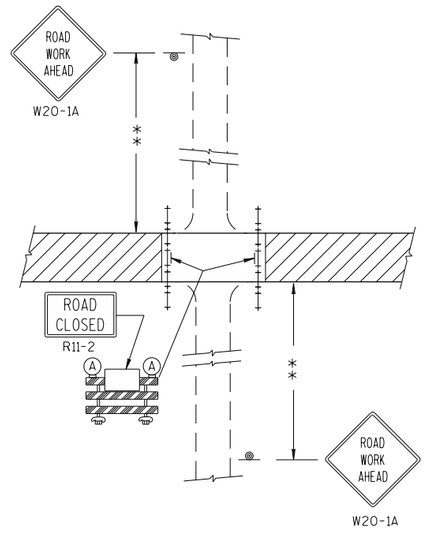
S.D.D. 15 C 2-6c

S.D.D. 15 C 2-6c



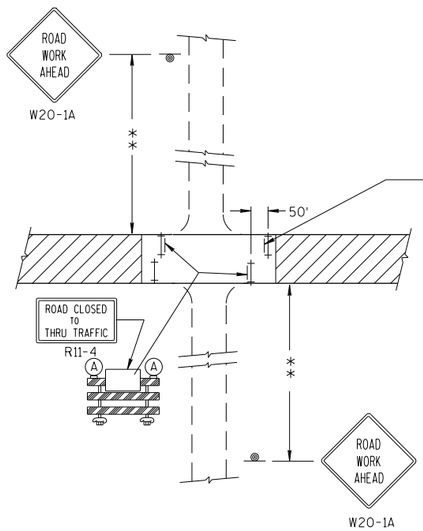
DETAIL 1

(NO ACCESS TO PROJECT)



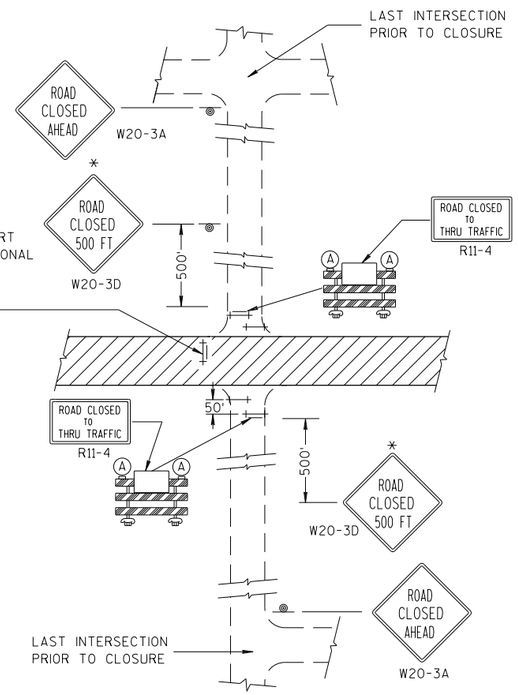
DETAIL 2

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



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE 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 RE-ESTABLISHED.

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 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 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

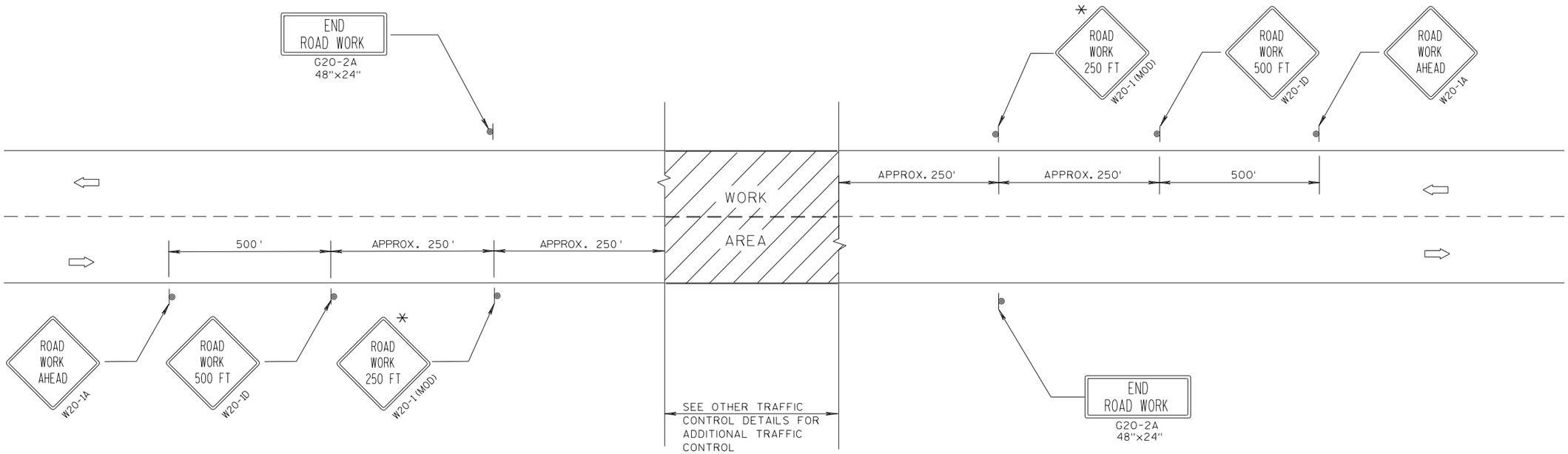
/S/ Andrew Heidtke
WORK ZONE ENGI

FHWA

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S.D.D. 15 C 3-5

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

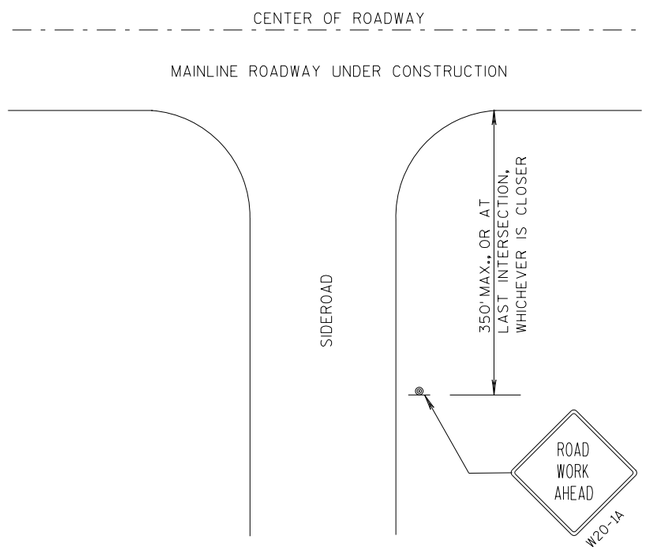
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

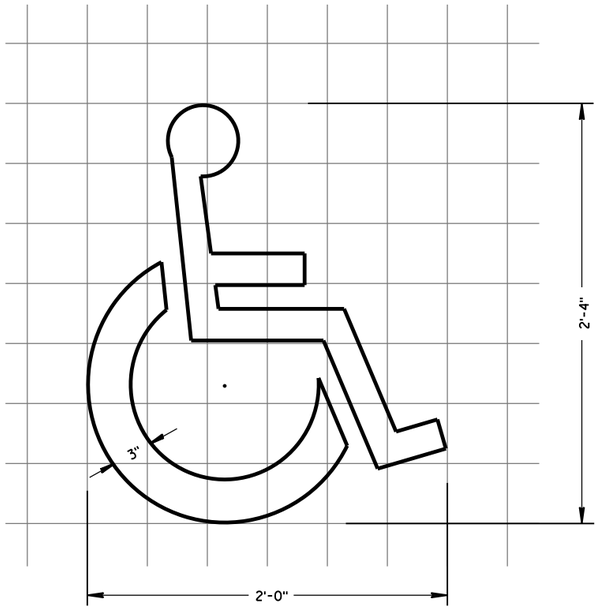
APPROVED
7/2018 — DATE
/S/ Andrew Heldtke — WORK ZONE ENGI
FHWA

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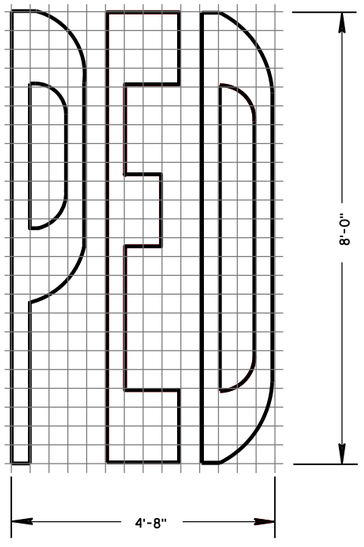
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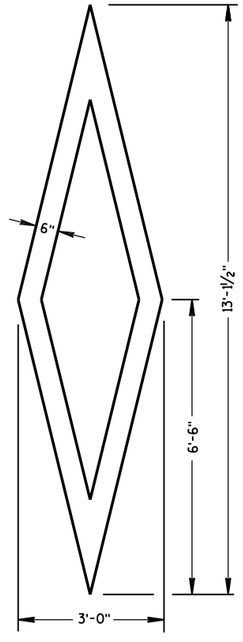
GENERAL NOTES

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.



HANDICAP SYMBOL





PREFERENTIAL LANE SYMBOL

6

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S.D.D. 15 C 7-14a

S.D.D. 15 C 7-14a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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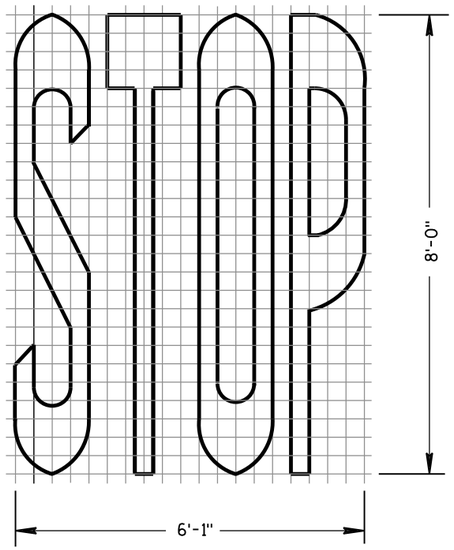
June 2017 — DATE

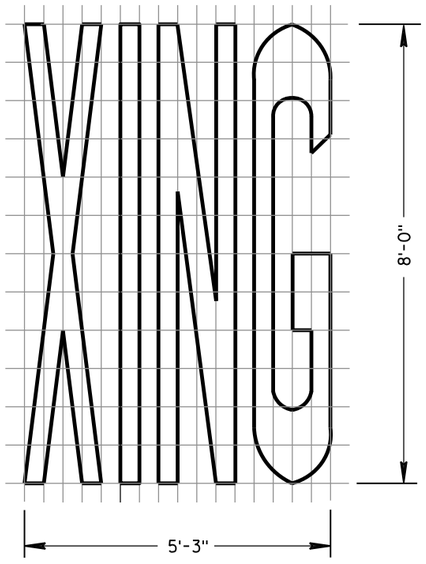
/S/ Matthew R. Rauch — STATE SIGNING AND MARK EER

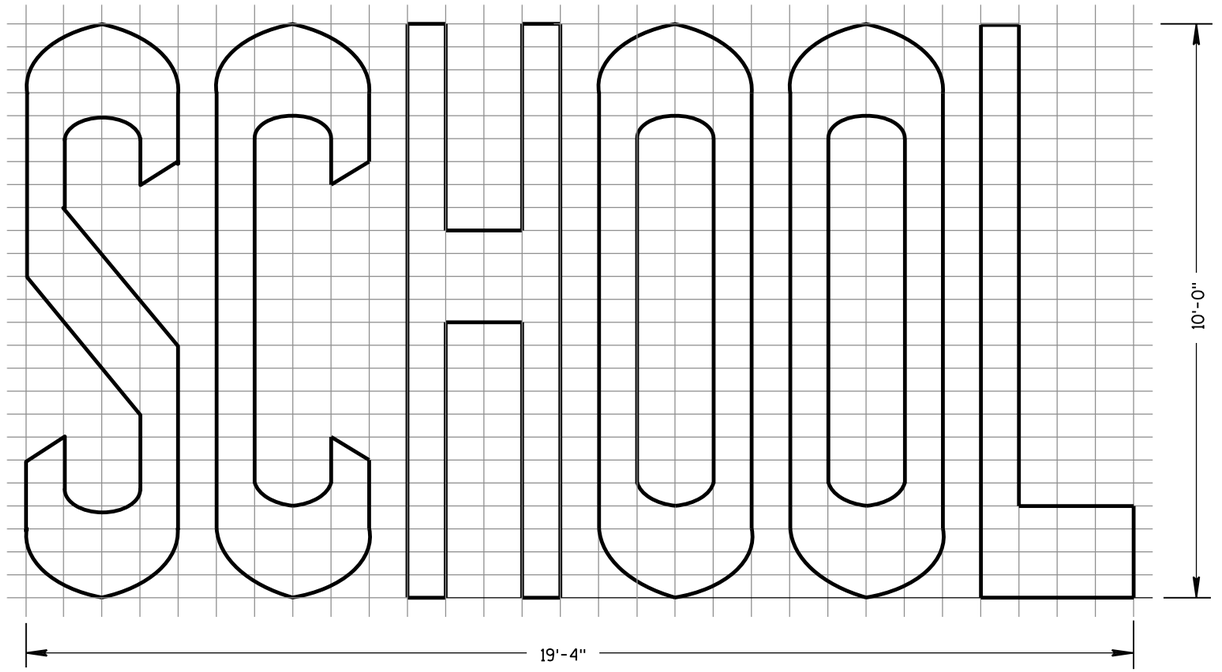
FHWA

GENERAL NOTES

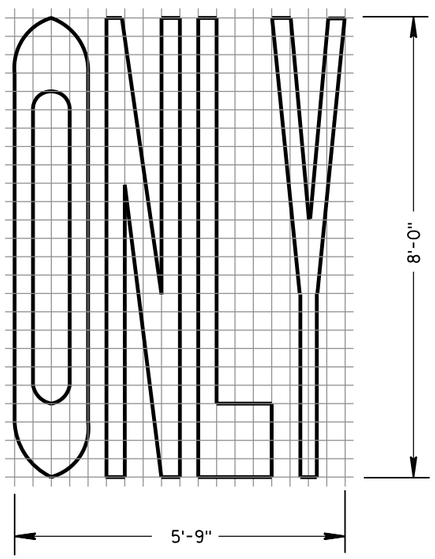
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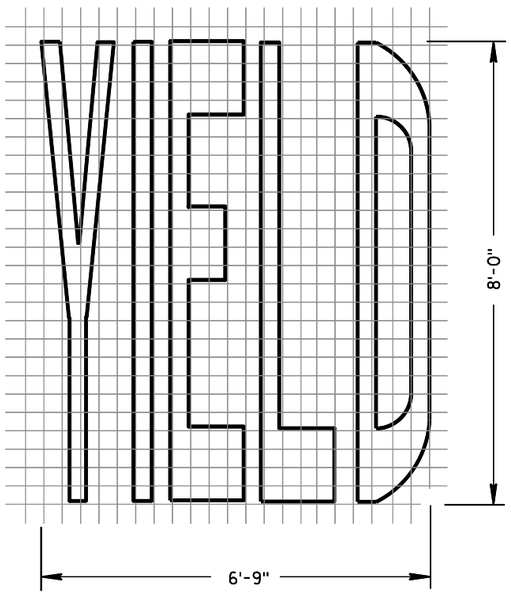


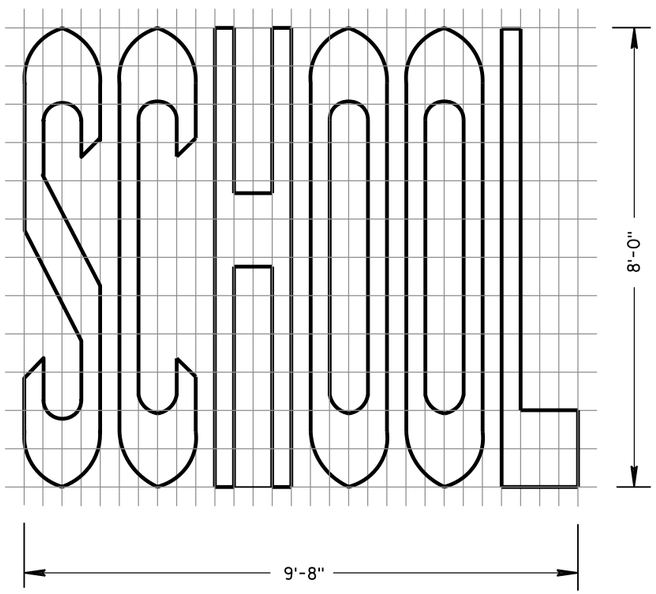




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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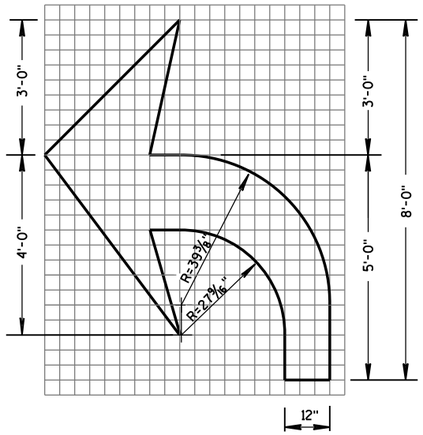
S.D.D. 15 C 7-14b

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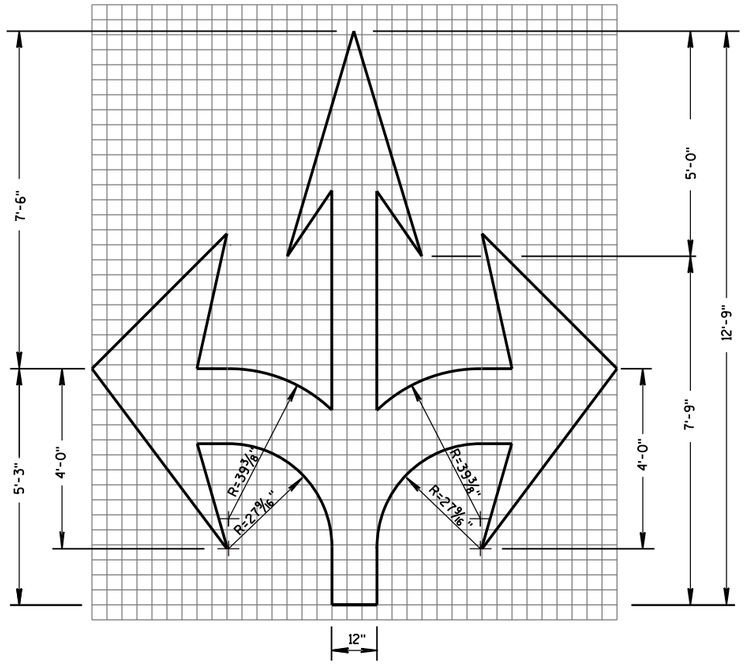
S.D.D. 15 C 7-14b

GENERAL NOTES

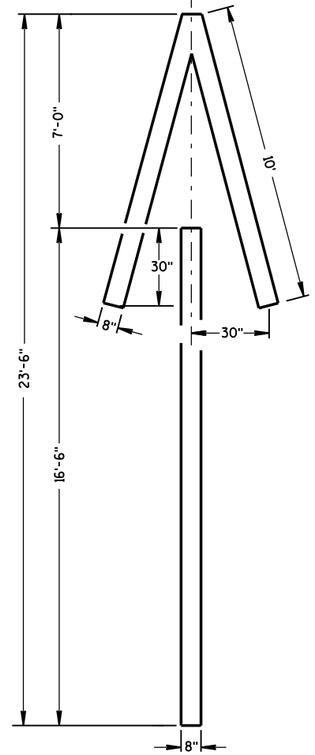
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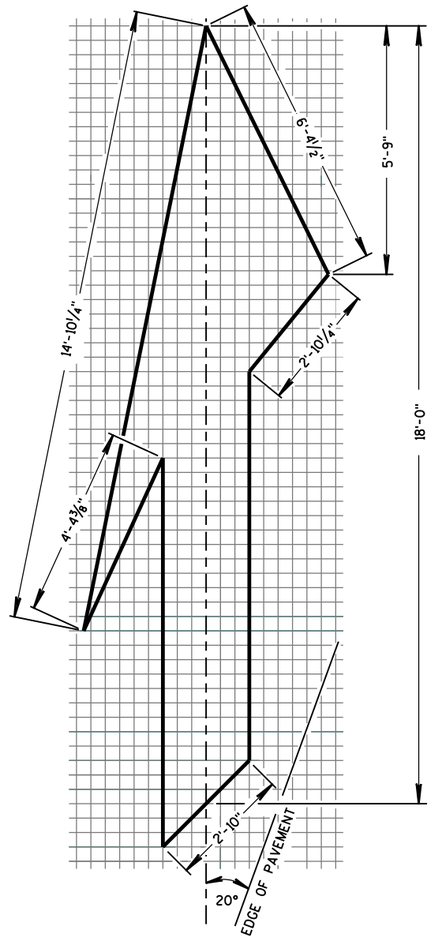
TYPE 2



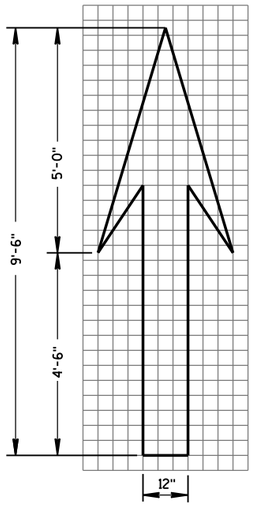
TYPE 6



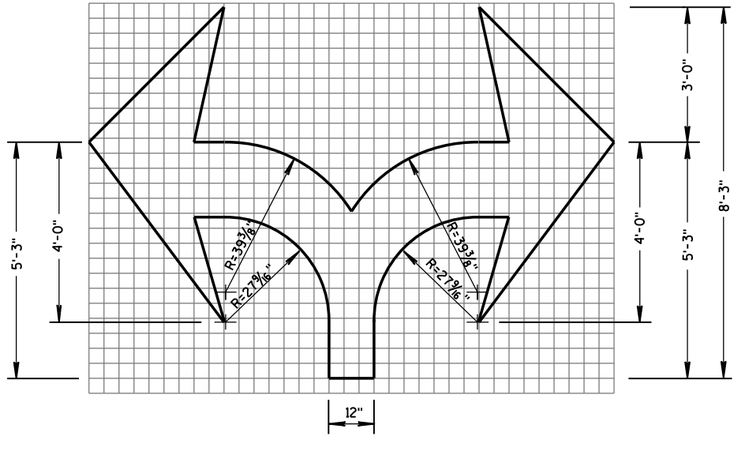
TYPE 4



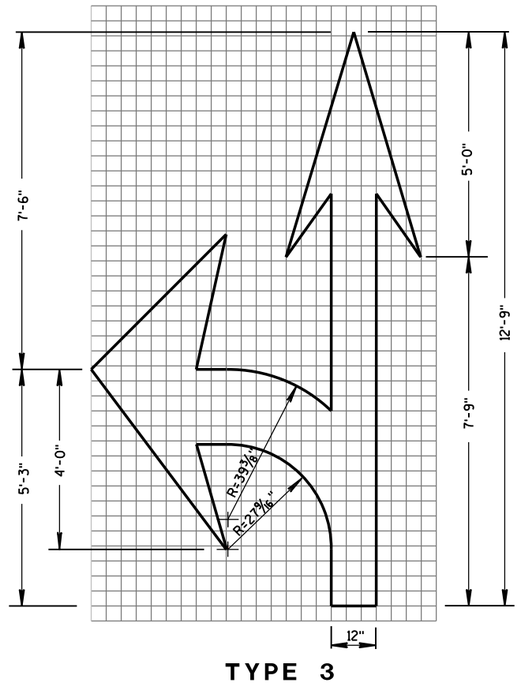
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

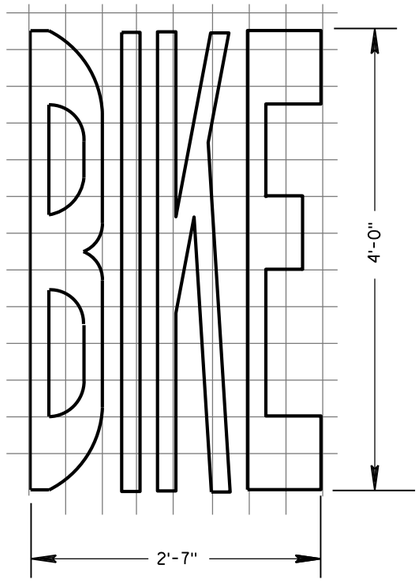
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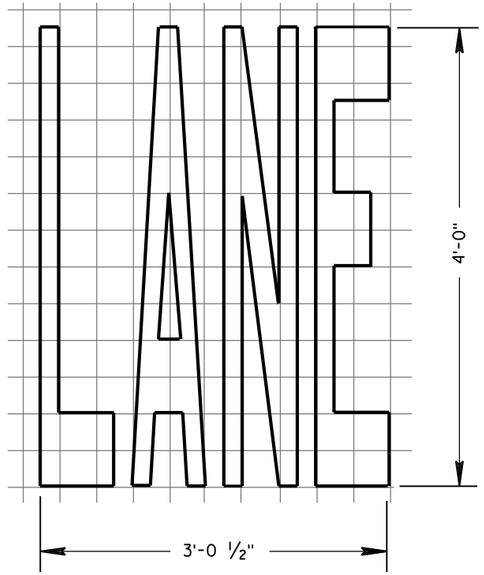
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S.D.D. 15 C 7-14c

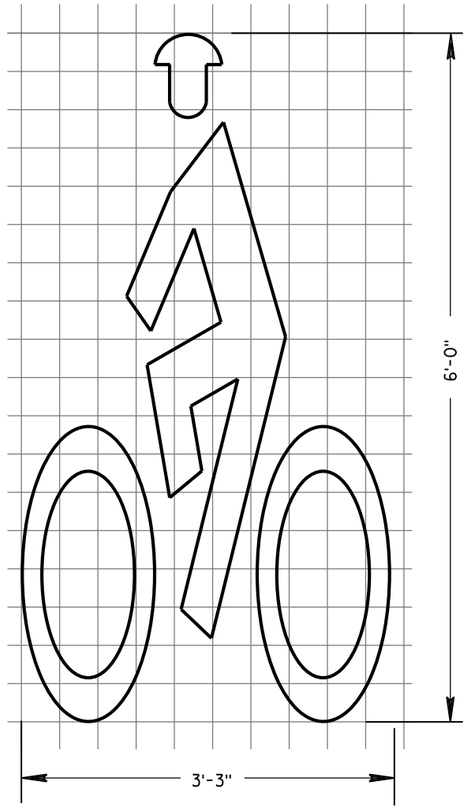
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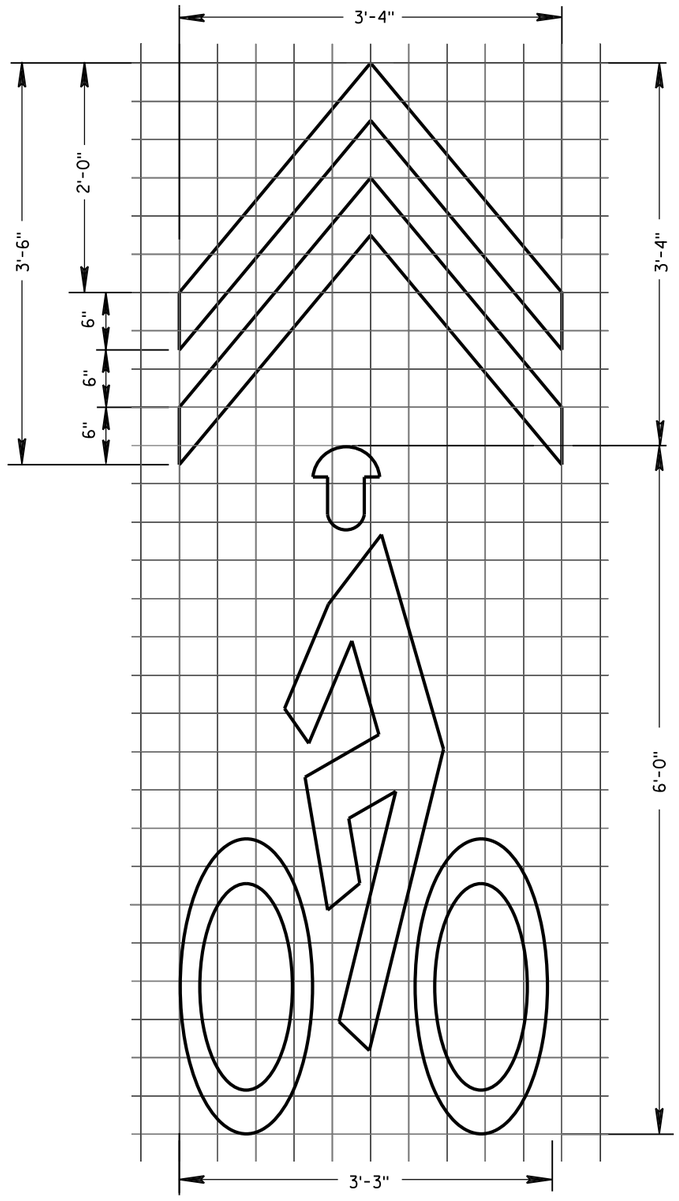




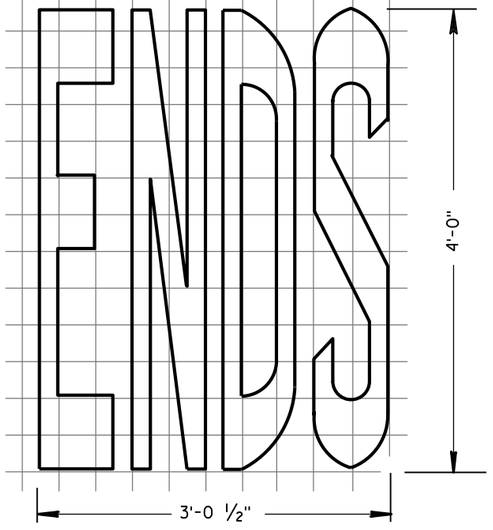
BIKE LANE WORDS



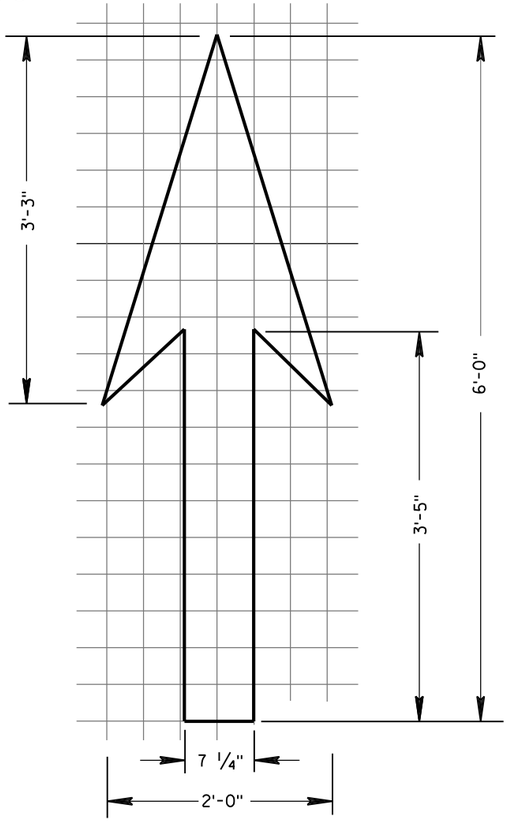
BIKE LANE SYMBOL



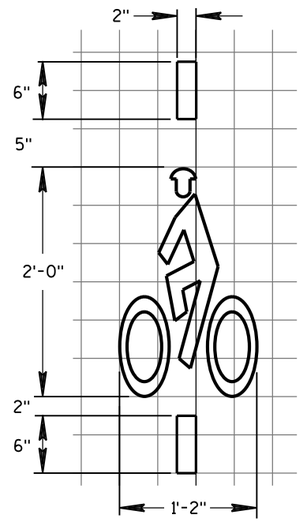
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

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.

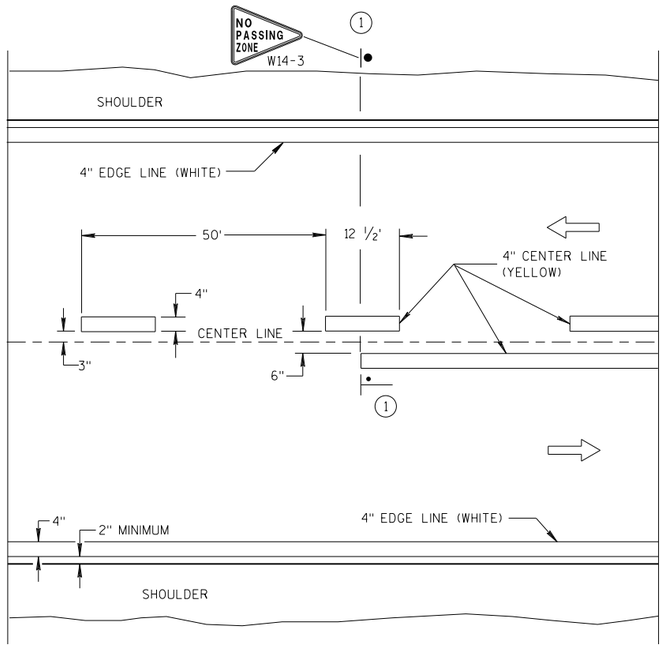
PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

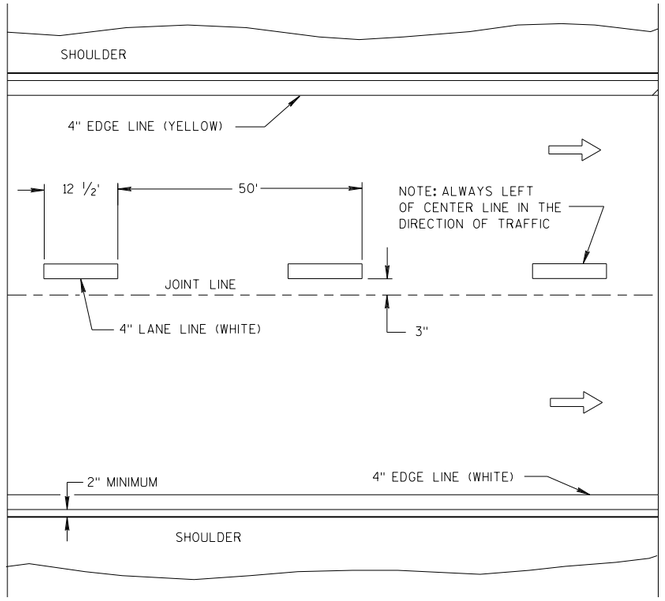
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S.D.D. 15 C 7-14e



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

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.

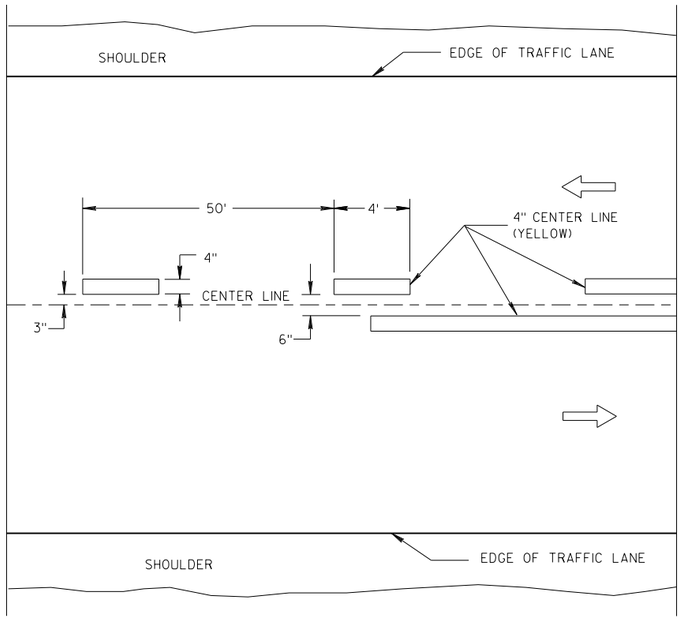
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

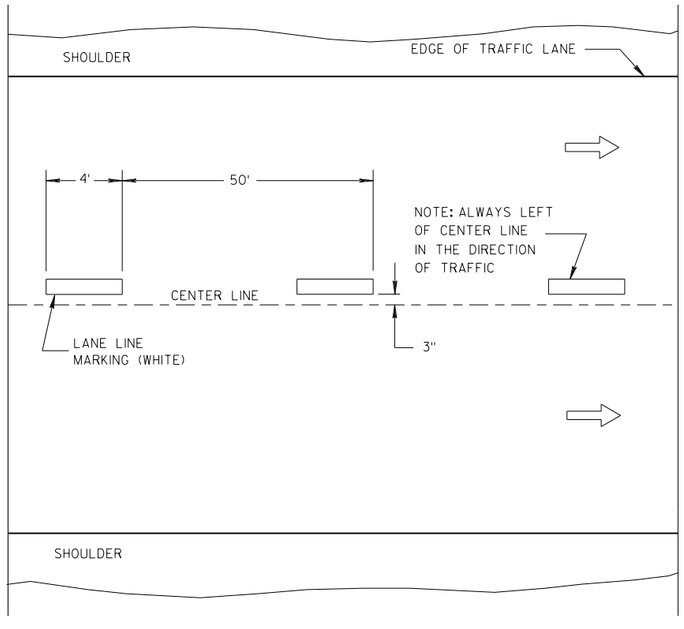
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 DATE

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S.D.D. 15 C 8-19a

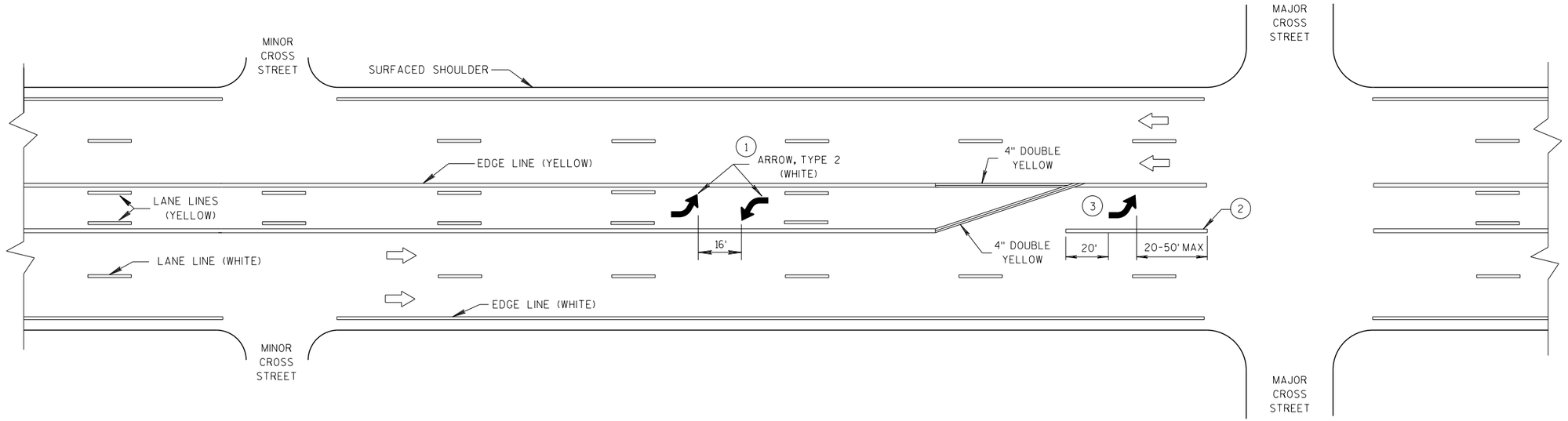
6

S.D.D. 15 C 8-19a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT

DIRECTION OF TRAFFIC



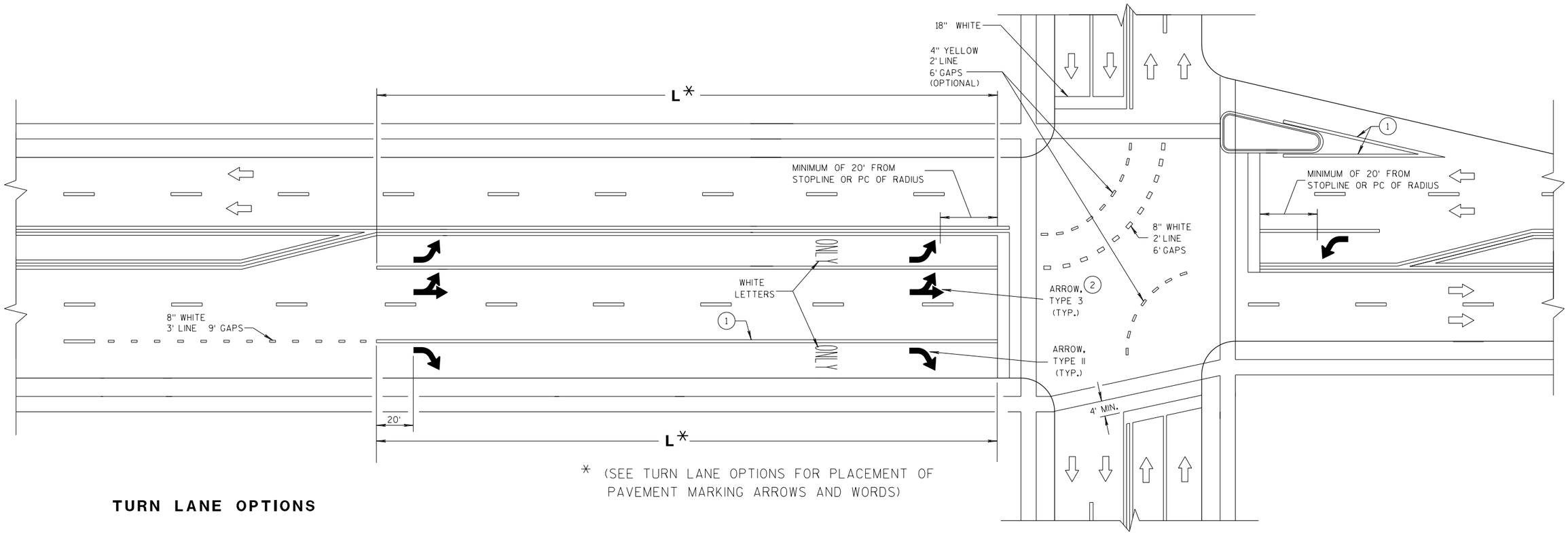
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

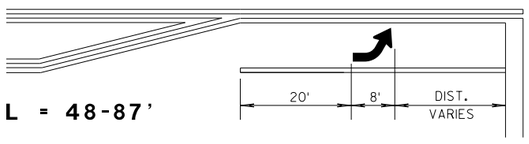
S.D.D. 15 C 8-19b



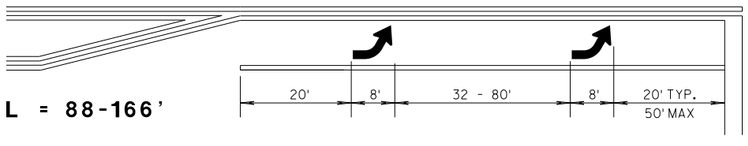
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

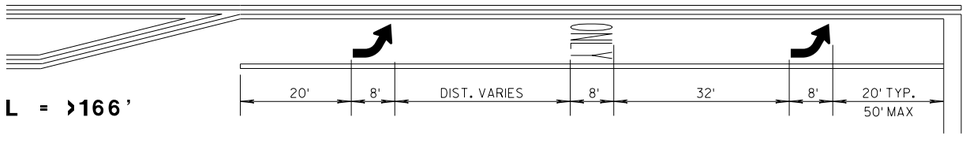
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

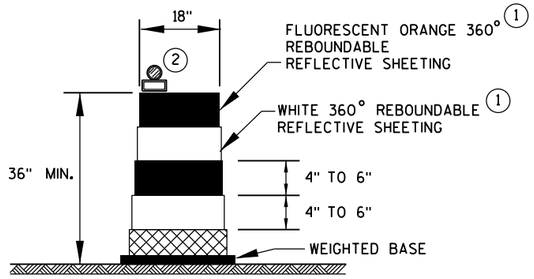
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

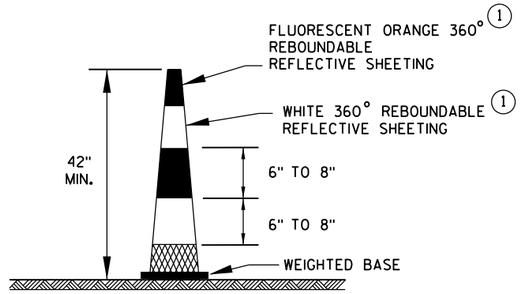
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

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S.D.D. 15 C 8-19c



DRUM

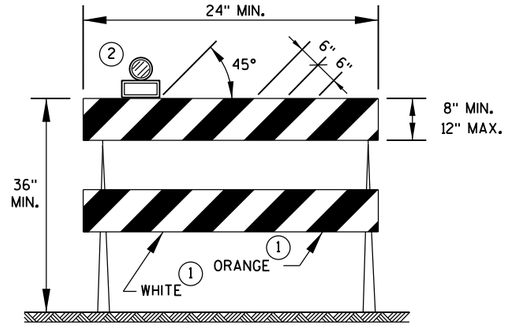


42" CONE

DO NOT USE IN TAPERS
1/2 SPACING OF DRUMS

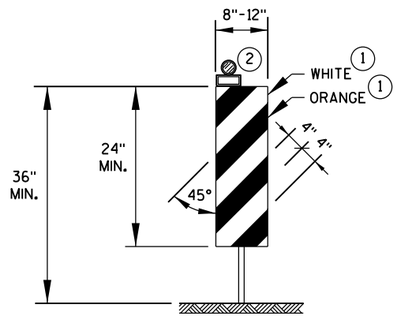
GENERAL NOTES

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.



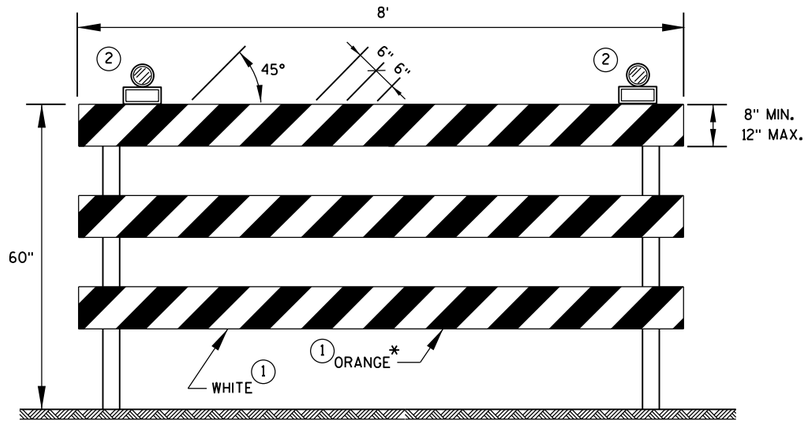
TYPE 2 BARRICADE

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



VERTICAL PANEL

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



TYPE 3 BARRICADE

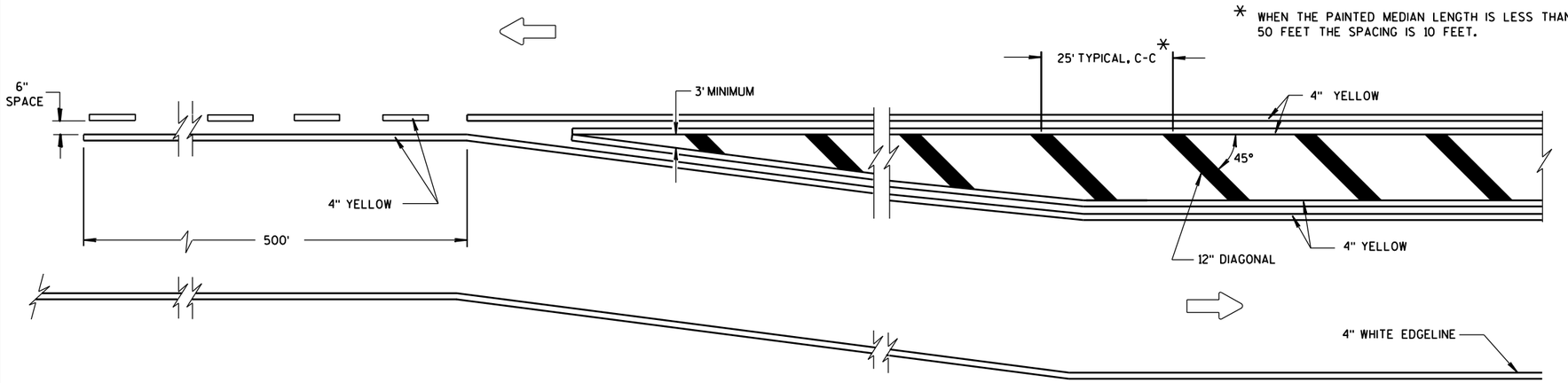
IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION, USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June 2017 DATE	/S/ Andrew Heidtke WORK ZONE ENG
FHWA	

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S.D.D. 15 C 11-7b

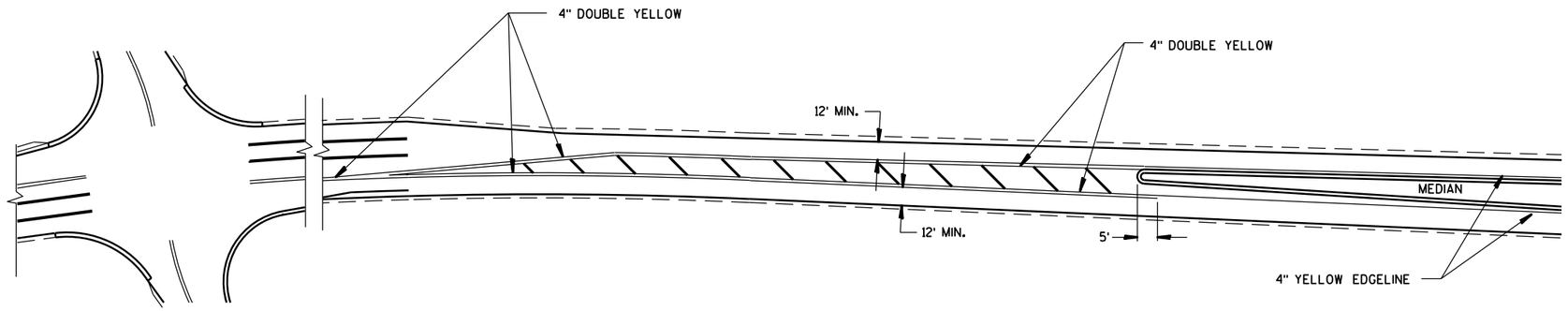


MEDIAN ISLAND DETAIL

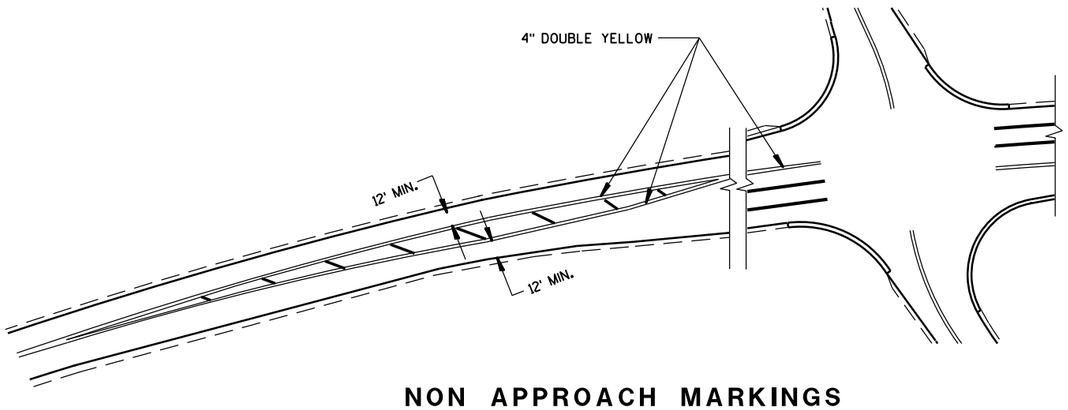
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

6

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S.D.D. 15 C 18-4

S.D.D. 15 C 18-4

MEDIAN ISLAND MARKING

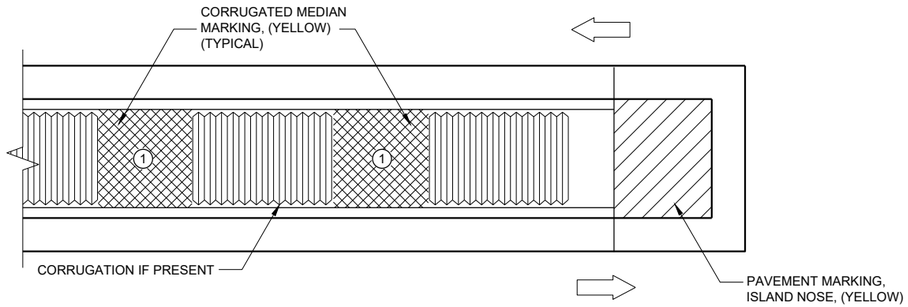
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

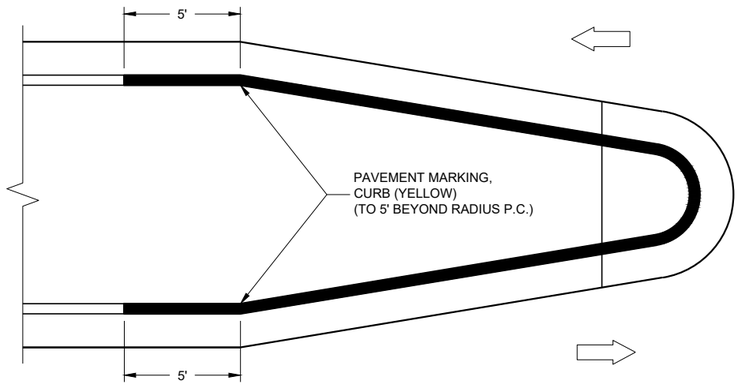
June 2017 — DATE

/S/ Matthew Rauch — STATE SIGNING AND MARK[illegible]EER

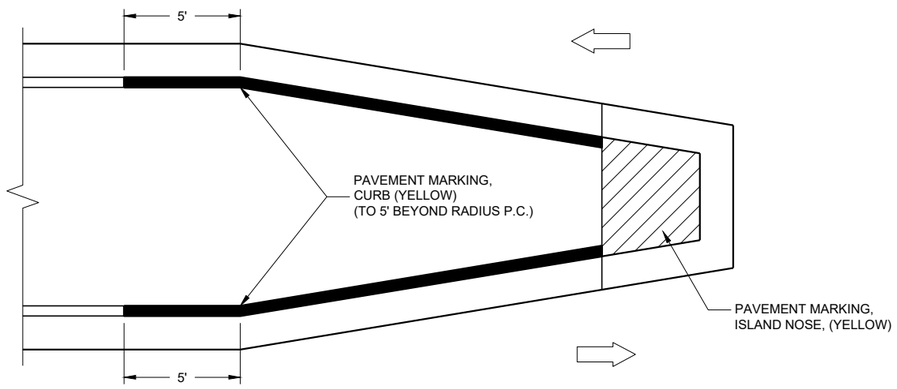
FHWA



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

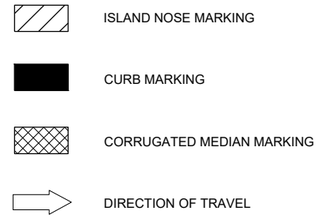


MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



**PAVEMENT MARKINGS
(ISLANDS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

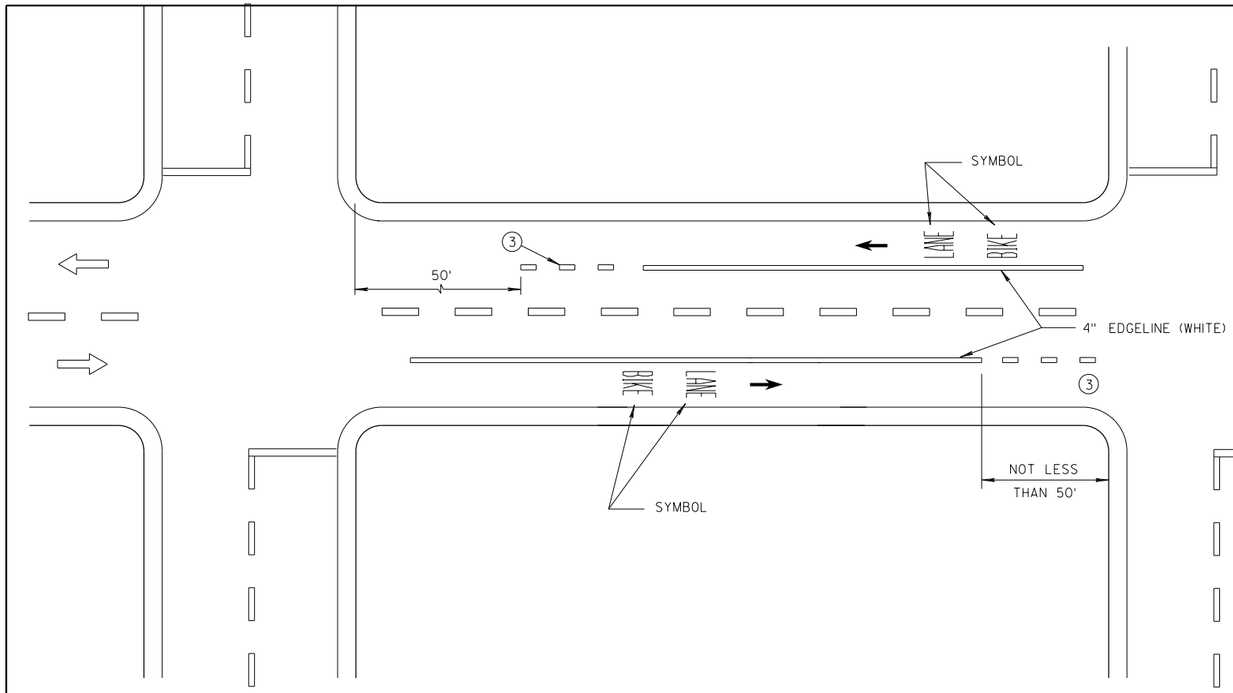
APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER
FHWA

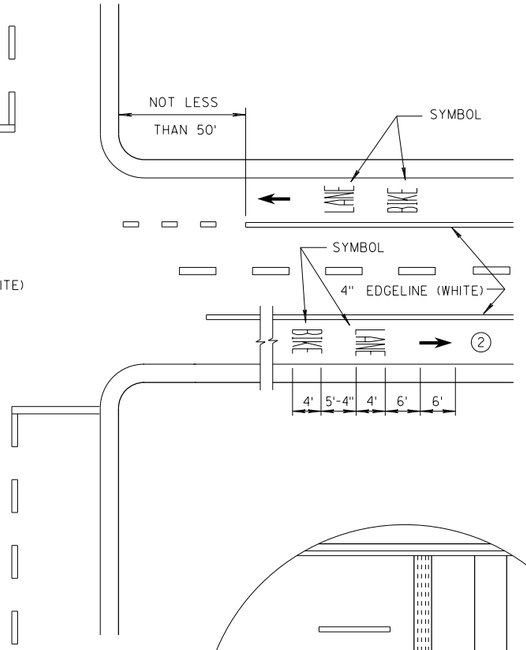
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SDD 15C27 - 03b

SDD15C27 - 03b



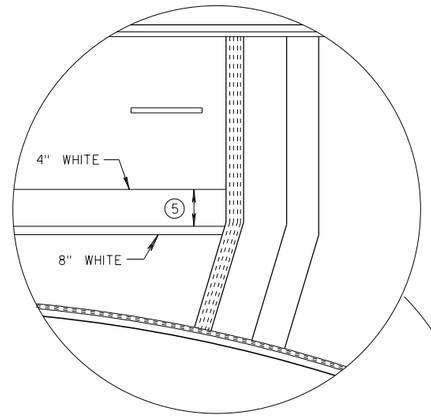


DESIGNATED BICYCLE LANE
NO PARKING

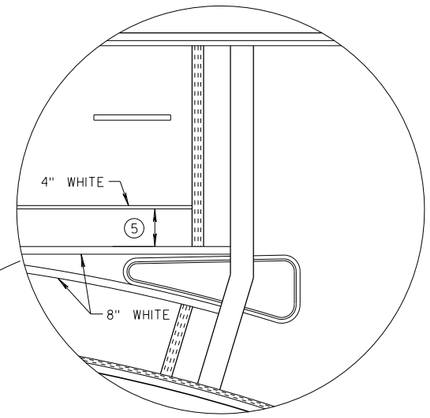
GENERAL NOTES

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. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION IS TYPICALLY 5 FEET WIDE AND A 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 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

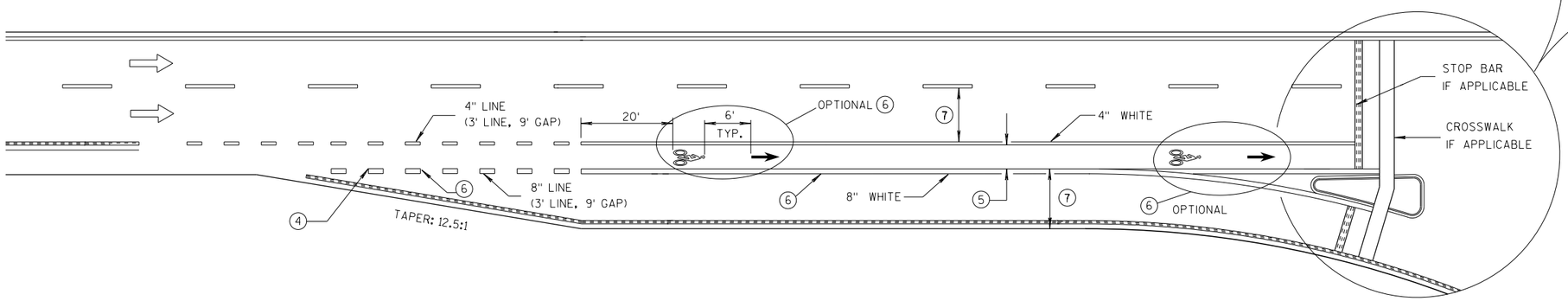
DIRECTION OF TRAVEL



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)

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR[illegible] ...EER

FHWA

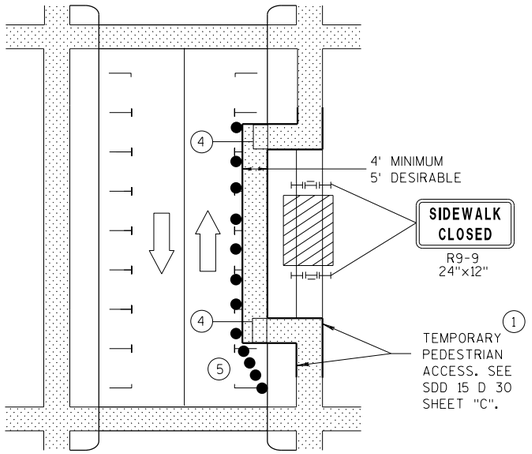
6

S.D.D. 15 C 29-6a

6

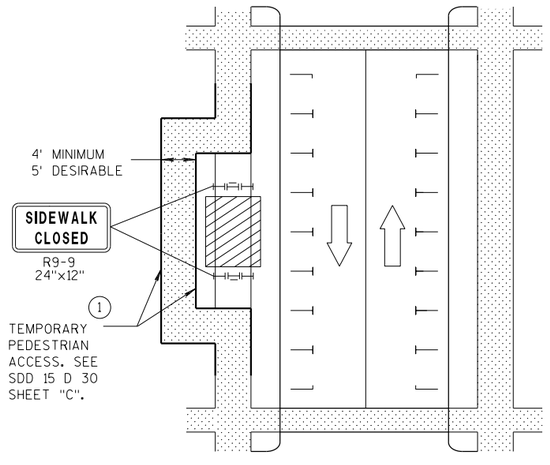
S.D.D. 15 C 29-6a

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

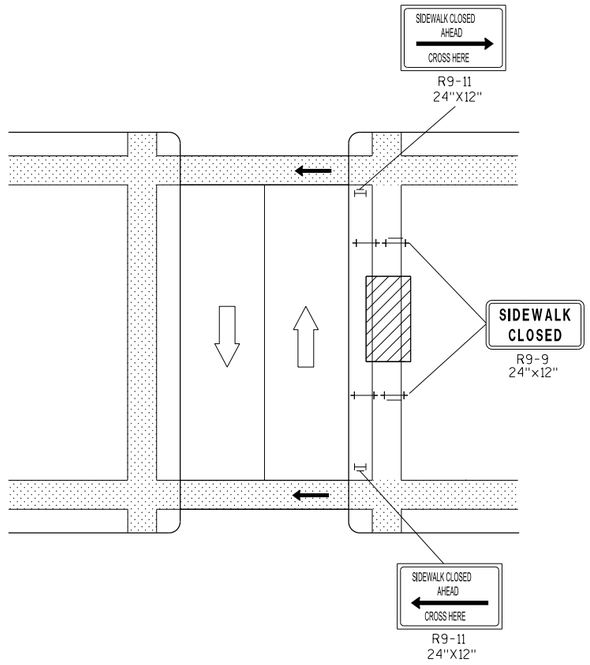


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

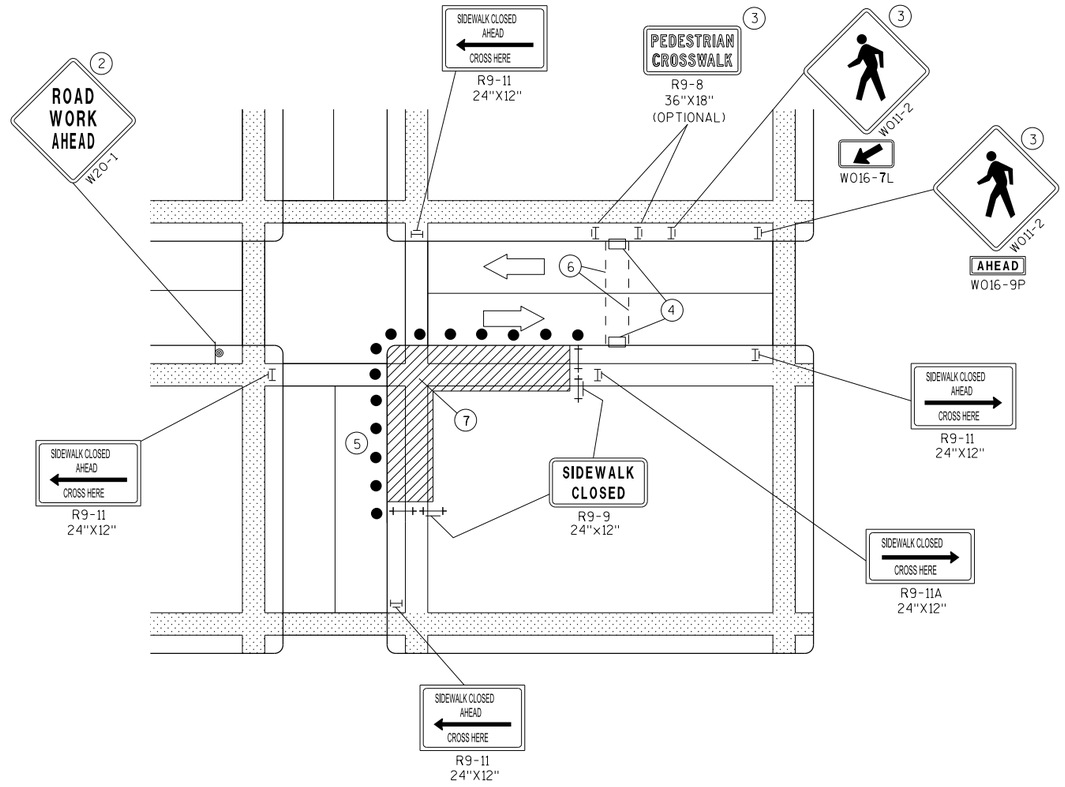
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

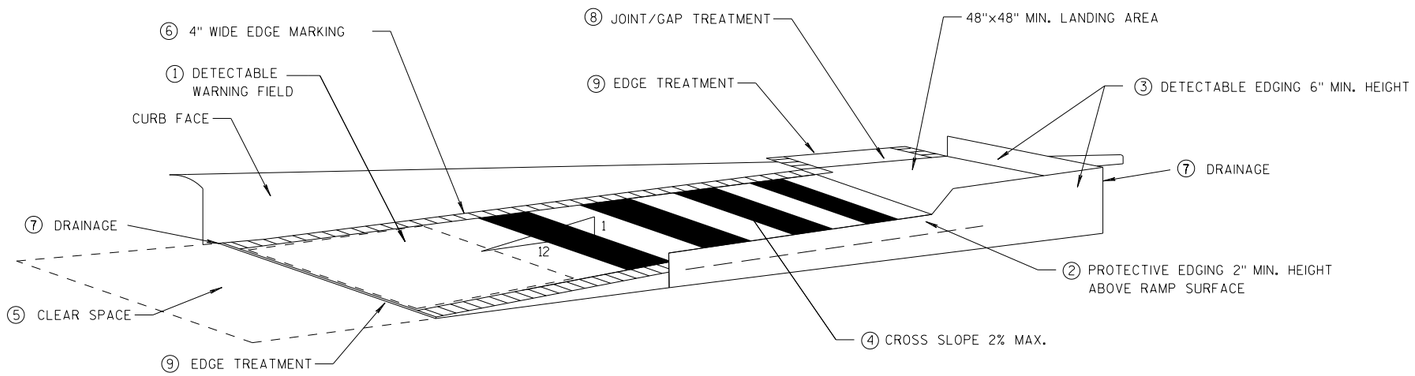
LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

6

S.D.D. 15 D 30-4a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

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 CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

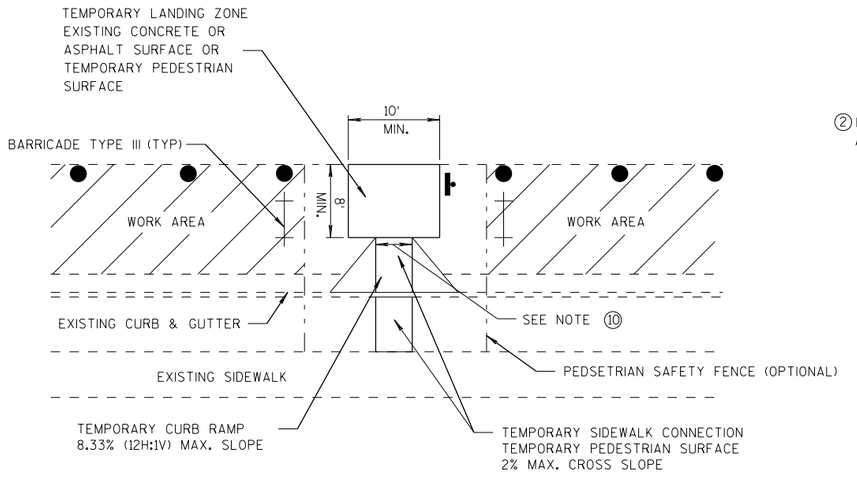
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

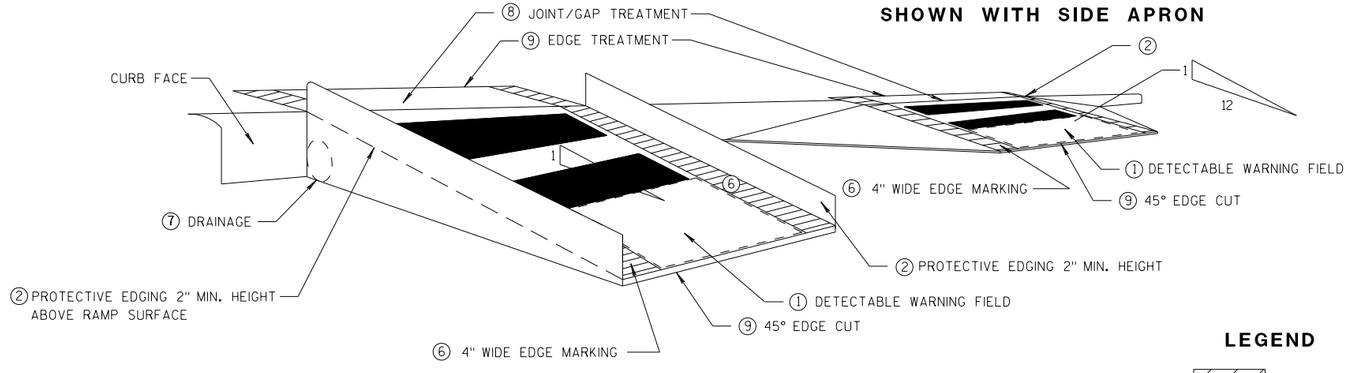
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH SIDE APRON

SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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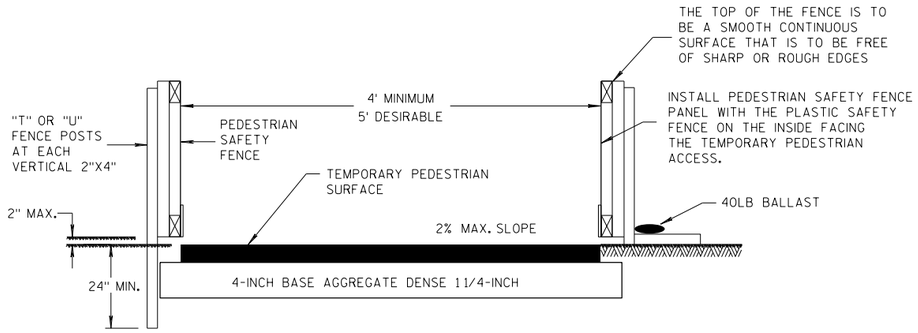
7/2018 DATE

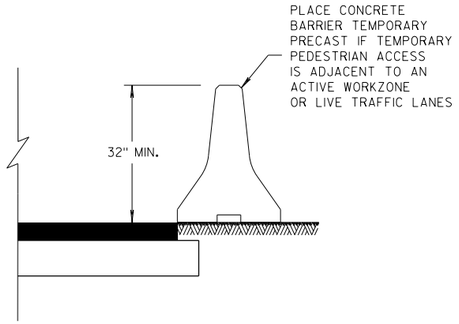
/S/ Andrew Heidtke
WORK ZONE ENG

FHWA

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S.D.D. 15 D 30-4b

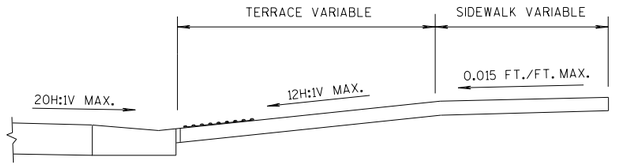




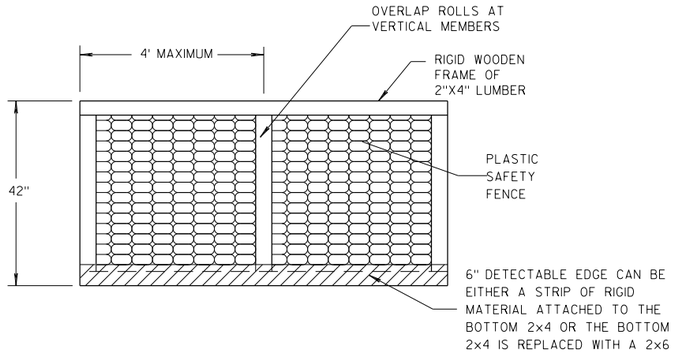
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

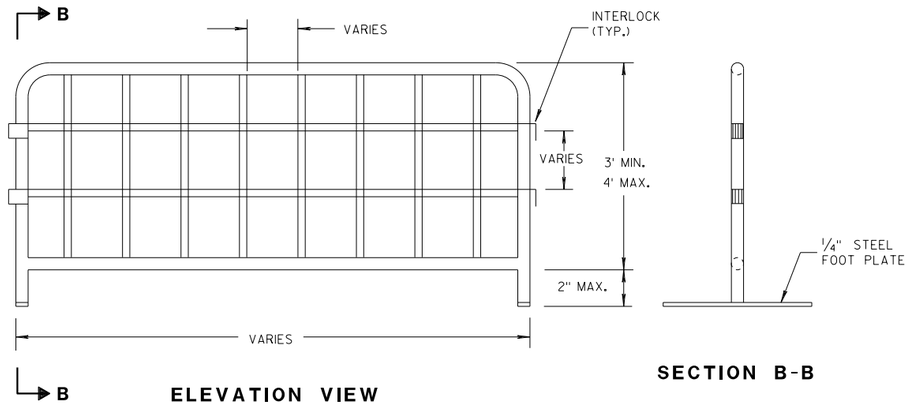
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



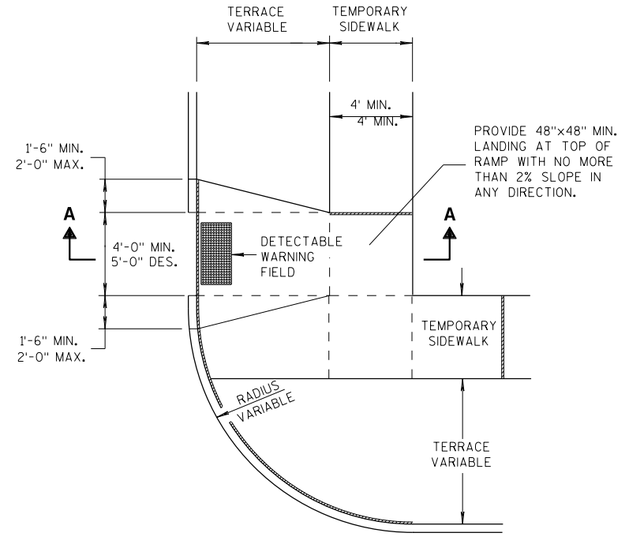
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

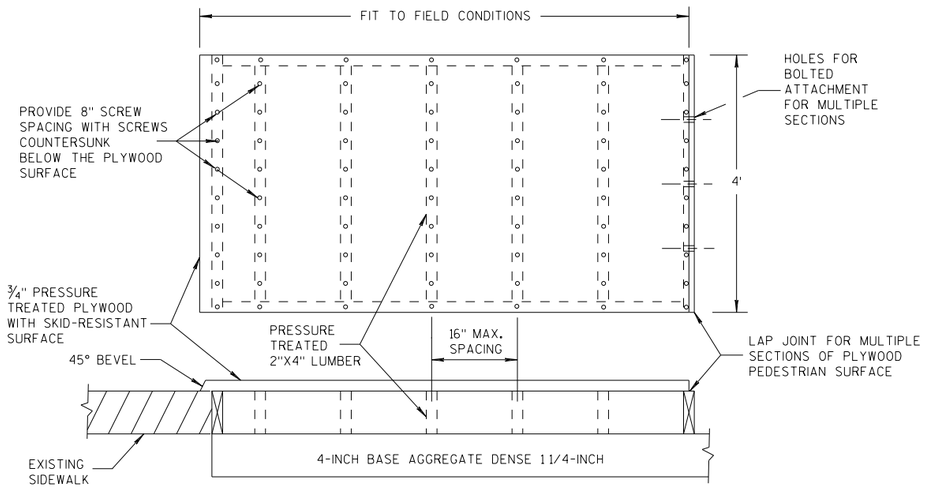
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



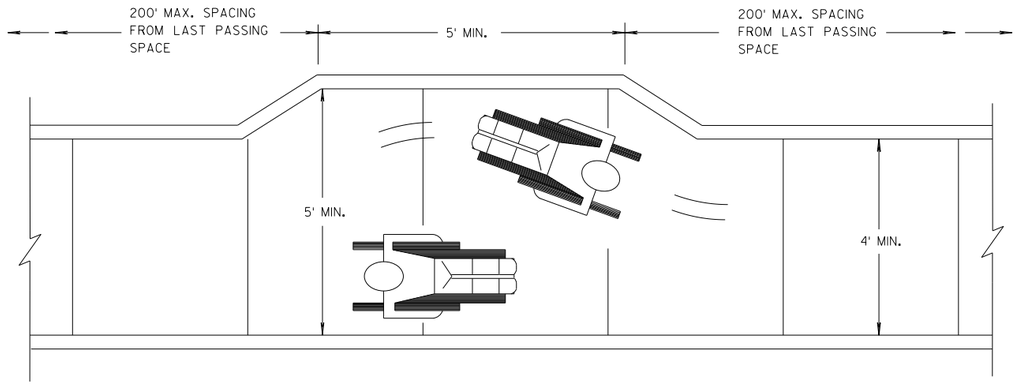
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

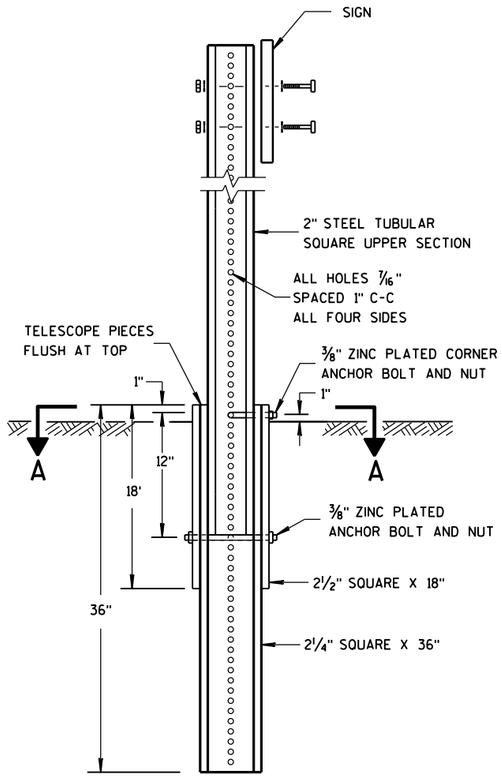
APPROVED

7/2018
DATE

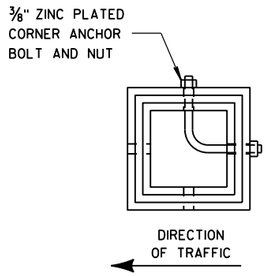
/S/ Andrew Heidtke
WORK ZONE ENG

FHWA

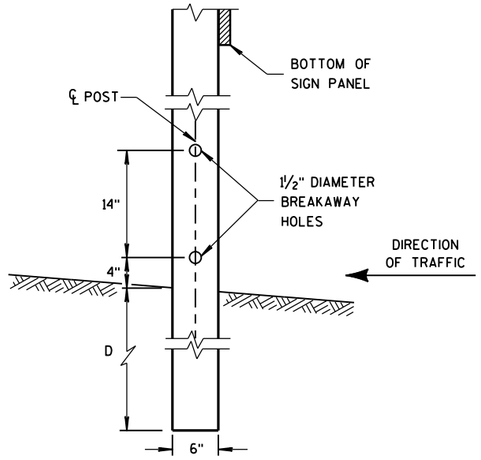
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S.D.D. 15 D 30-4c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



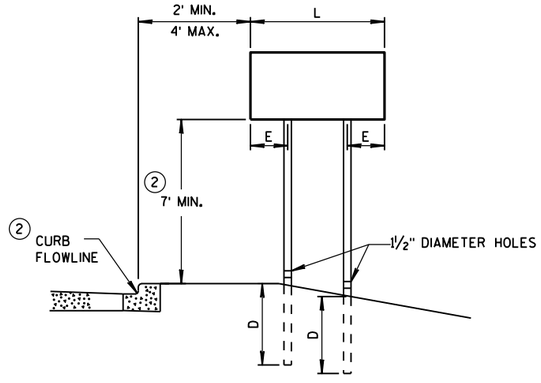
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

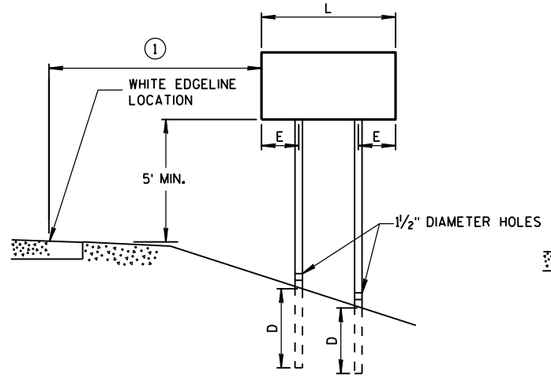
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

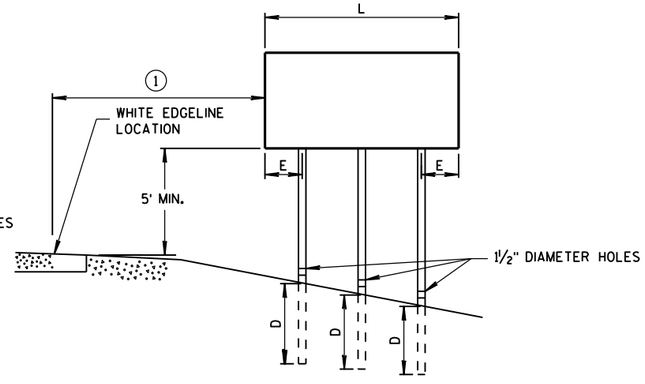
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL 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).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

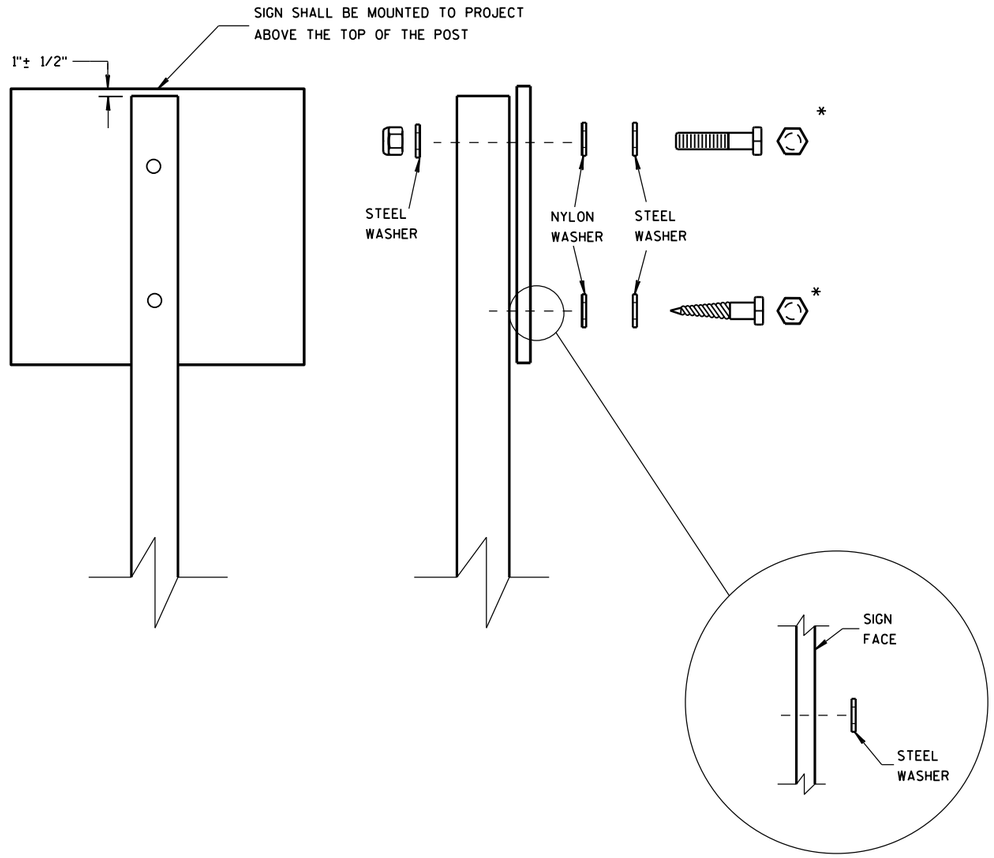
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

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.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

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 FOR ALL TYPE H SIGNS

* 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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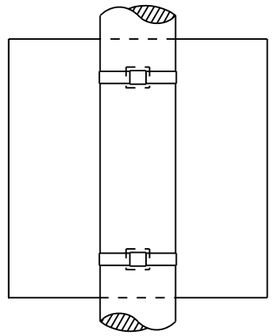
June 2017
DATE

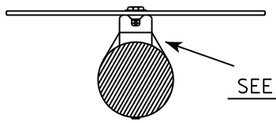
/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

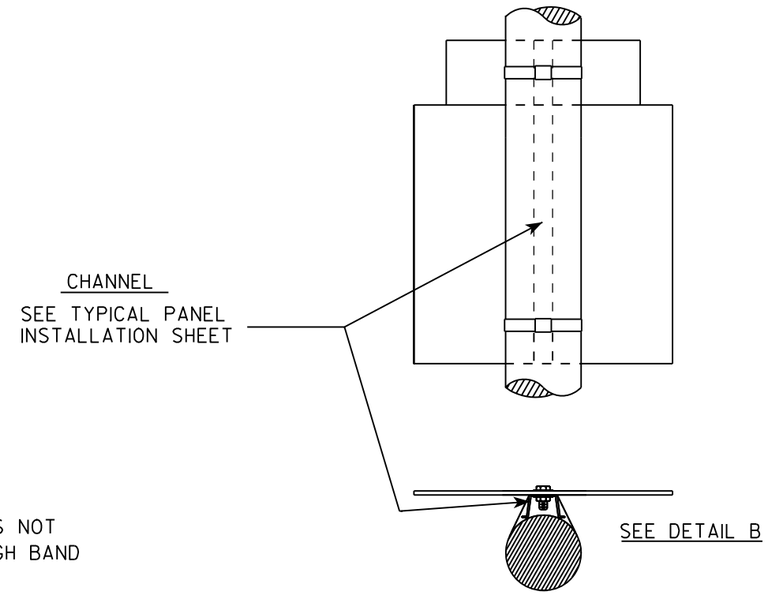
BANDING

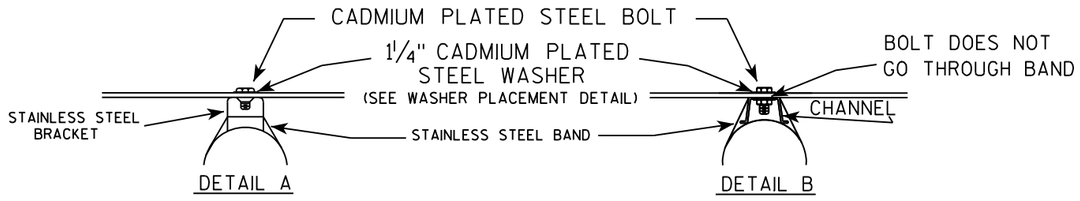
SINGLE SIGN



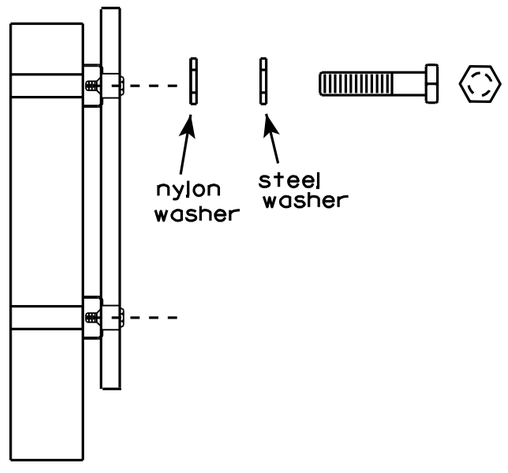


"J" ASSEMBLY





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 3/4" in width and 0.025" thickness.

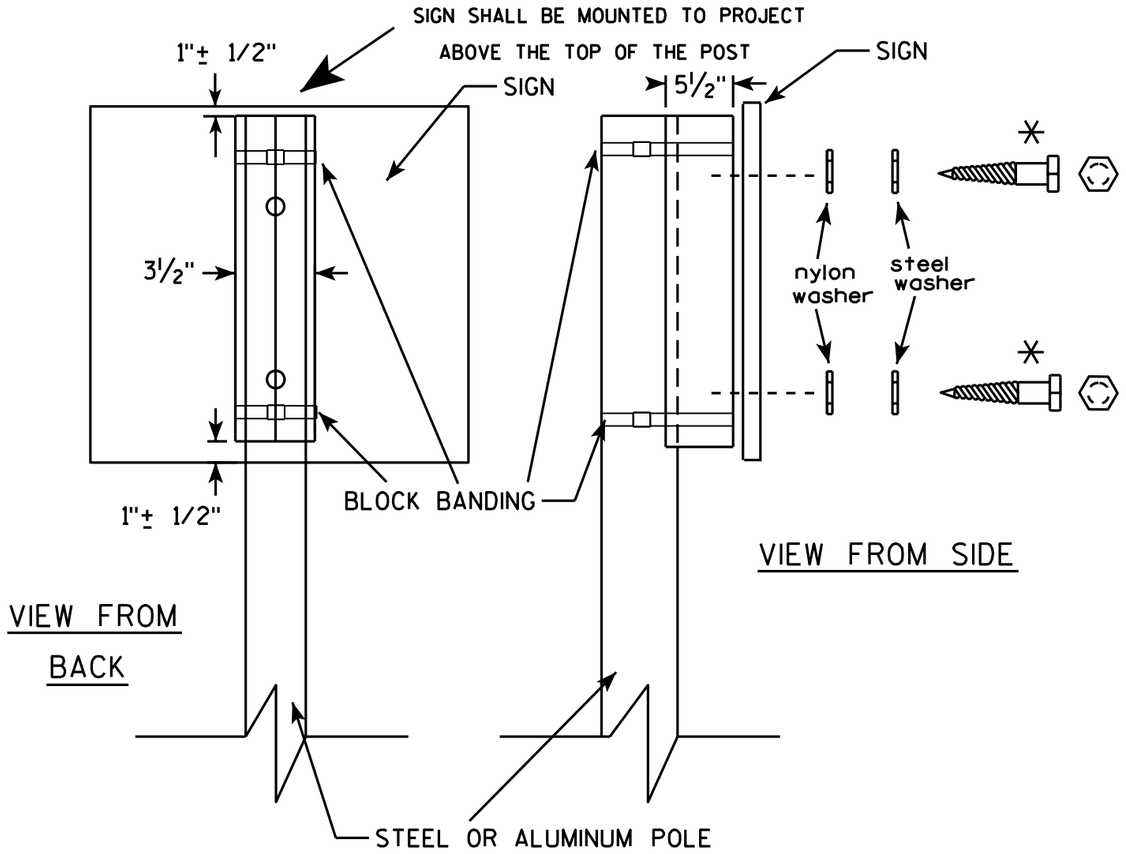
STANDARD SIGN
SIGN BANDING DETAILS

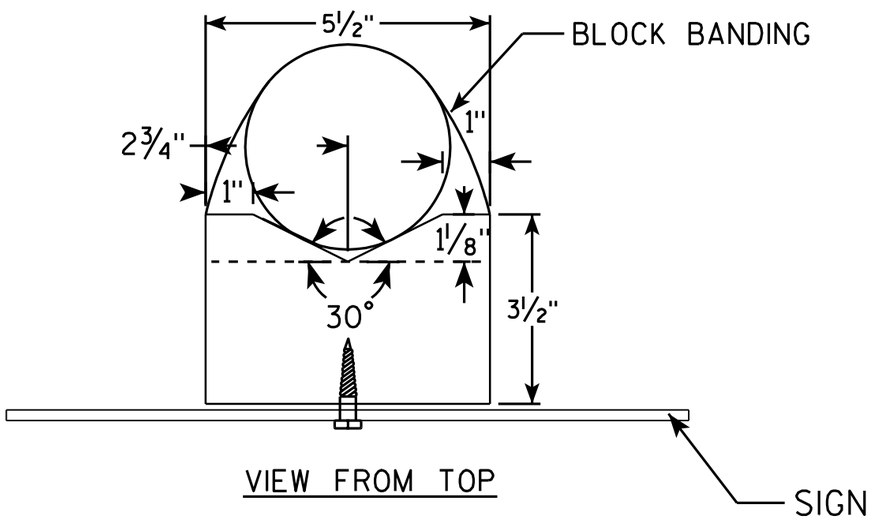
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 172	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, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

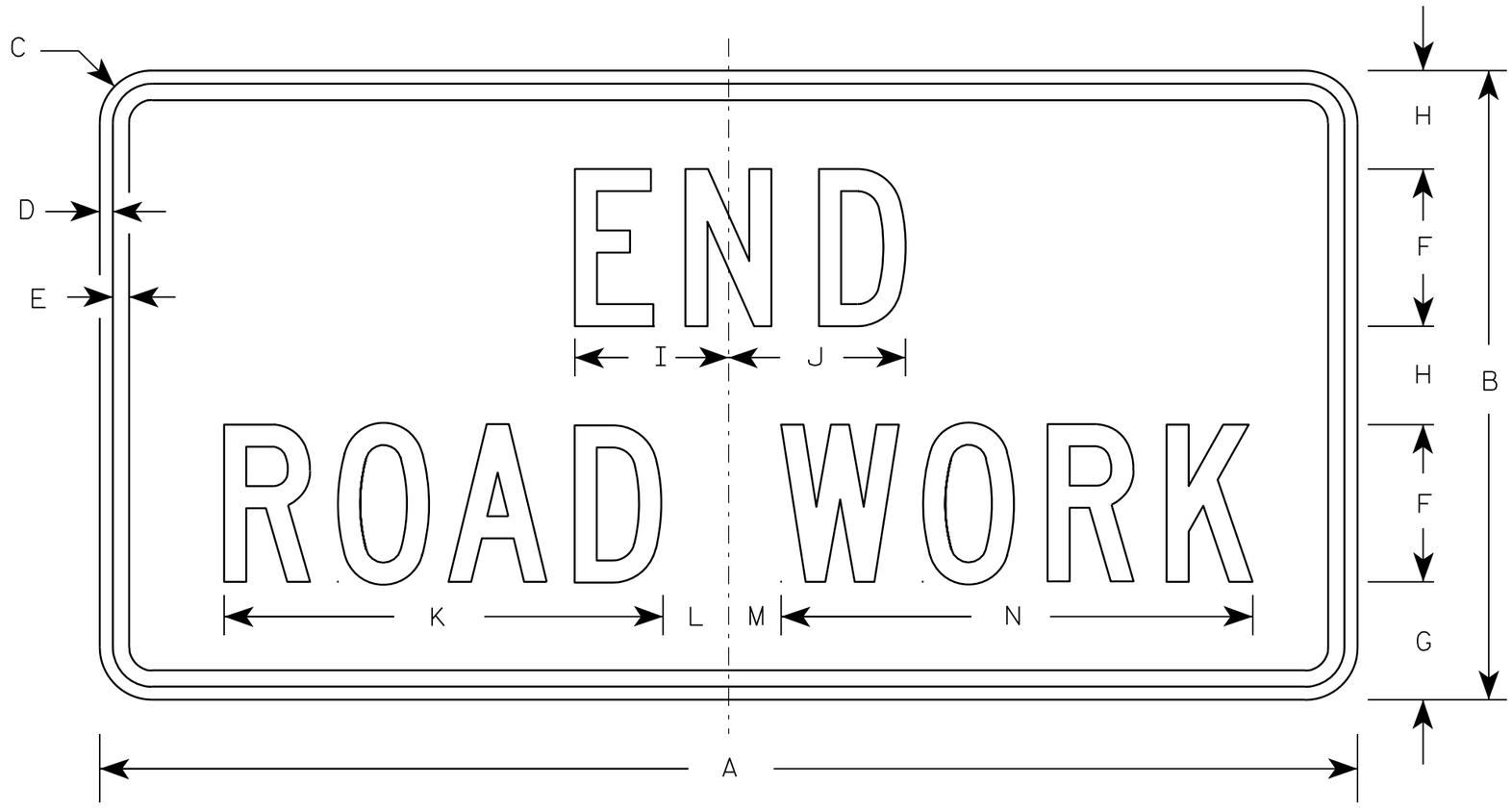
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 173 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

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.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN

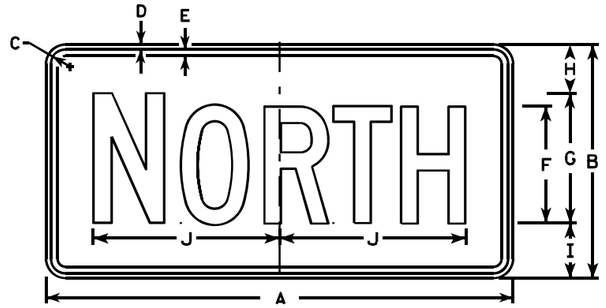
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

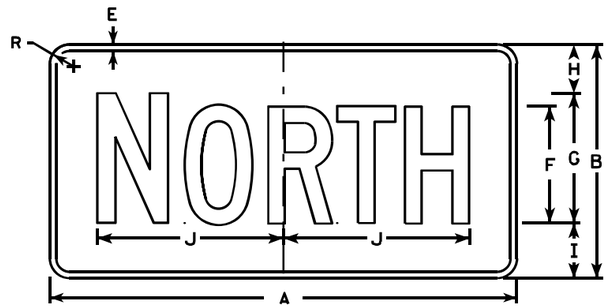
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

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



M3-1
MM3-1
MP3-1



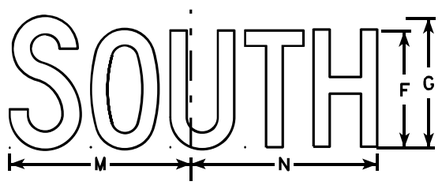
MB3-1
MK3-1
MN3-1



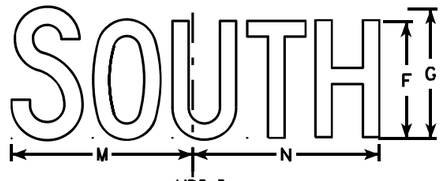
M3-2
MM3-2
MP3-2



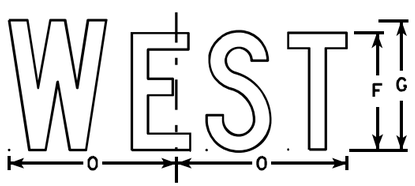
MB3-2
MK3-2
MN3-2



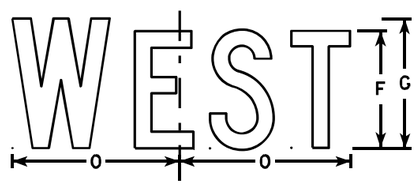
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

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 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

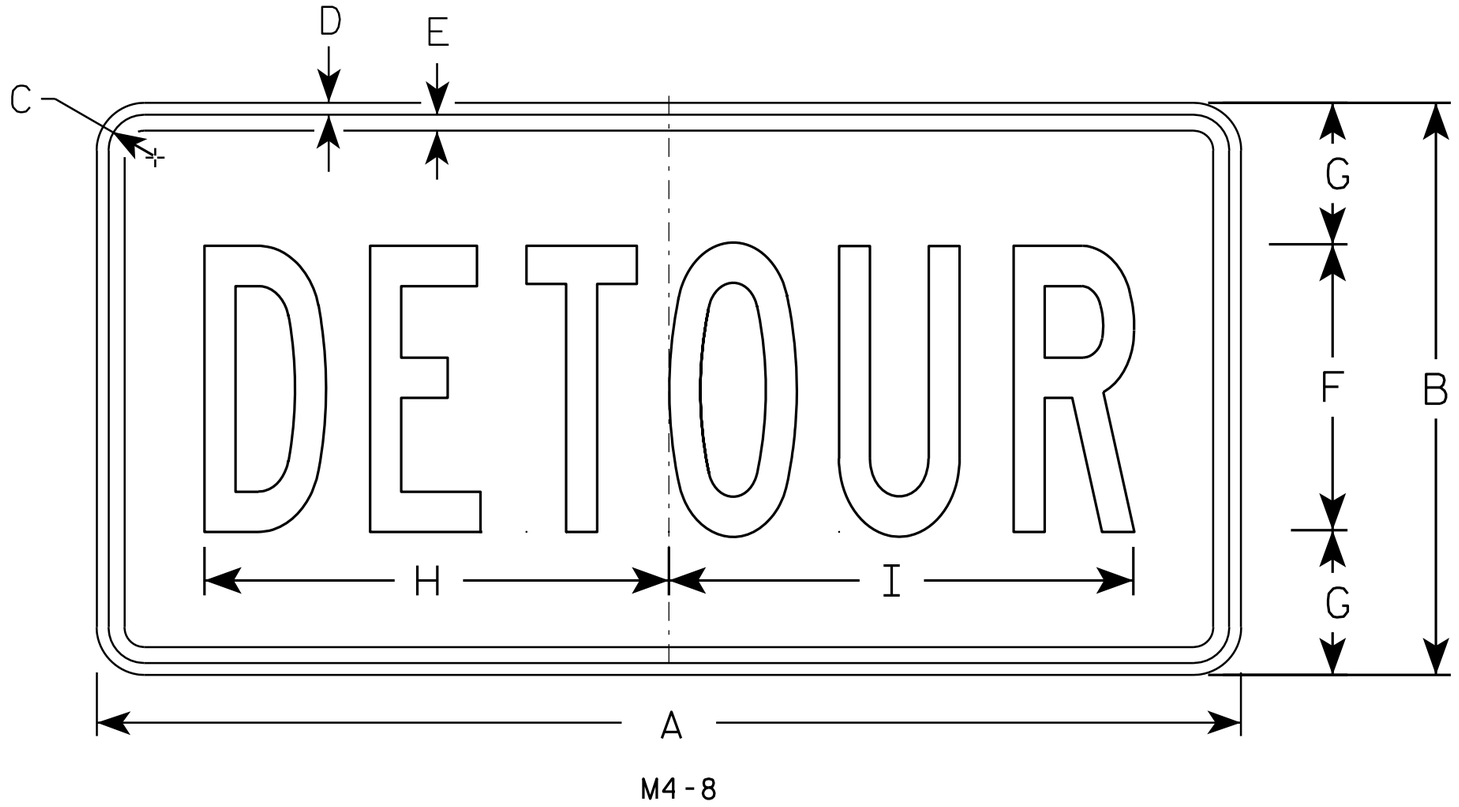
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO. M3-1.14

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



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

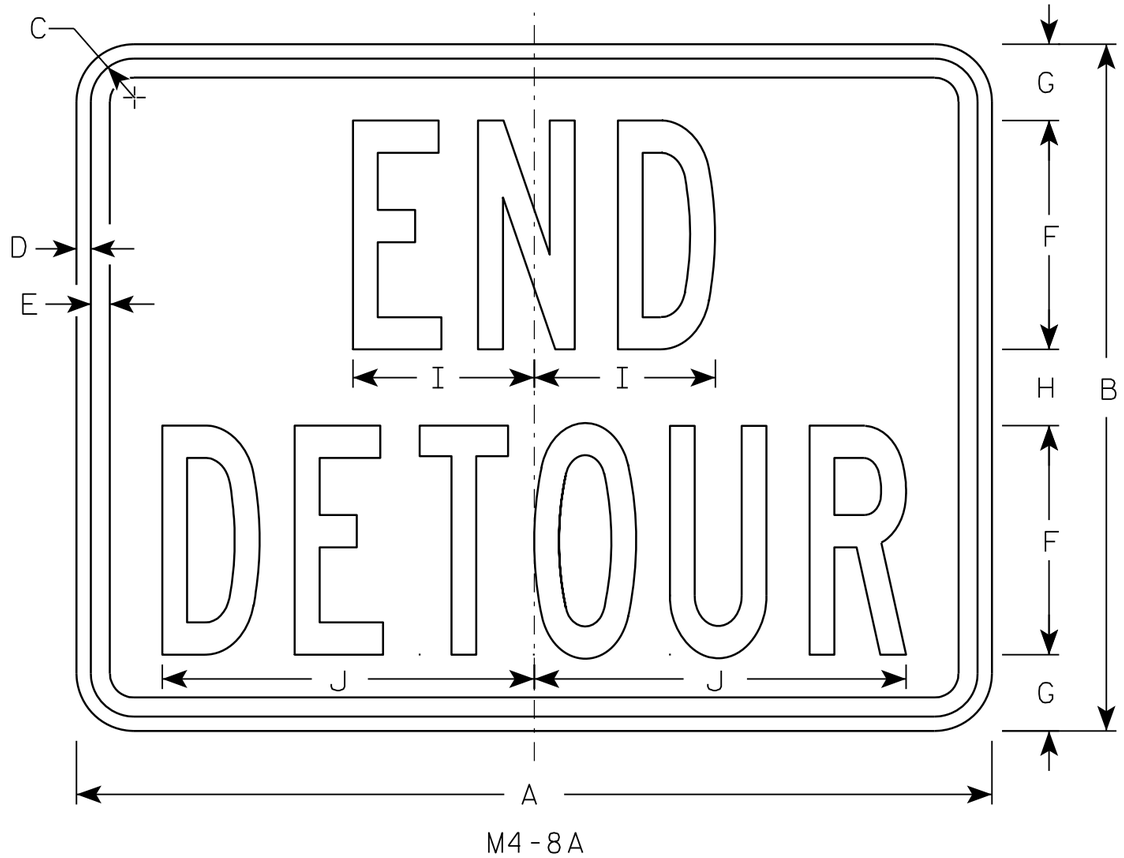
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

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



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

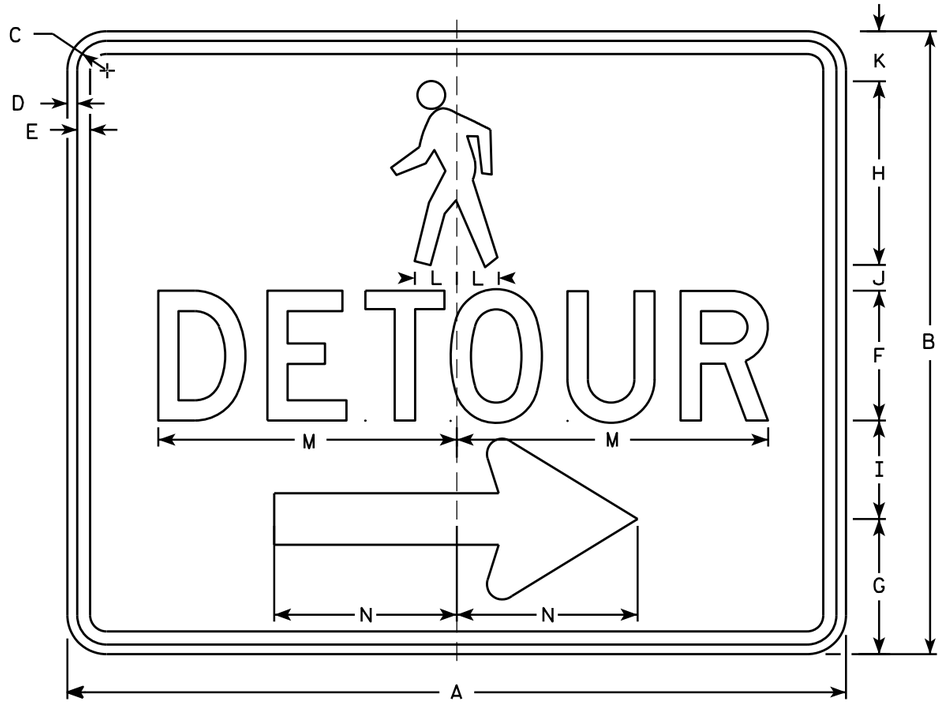
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

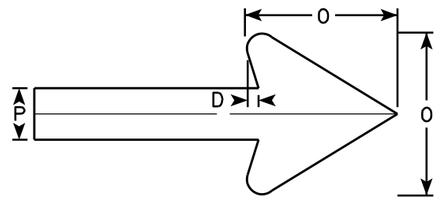
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 177	E



M4-9BR

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

STANDARD SIGN
M4-9B L&R

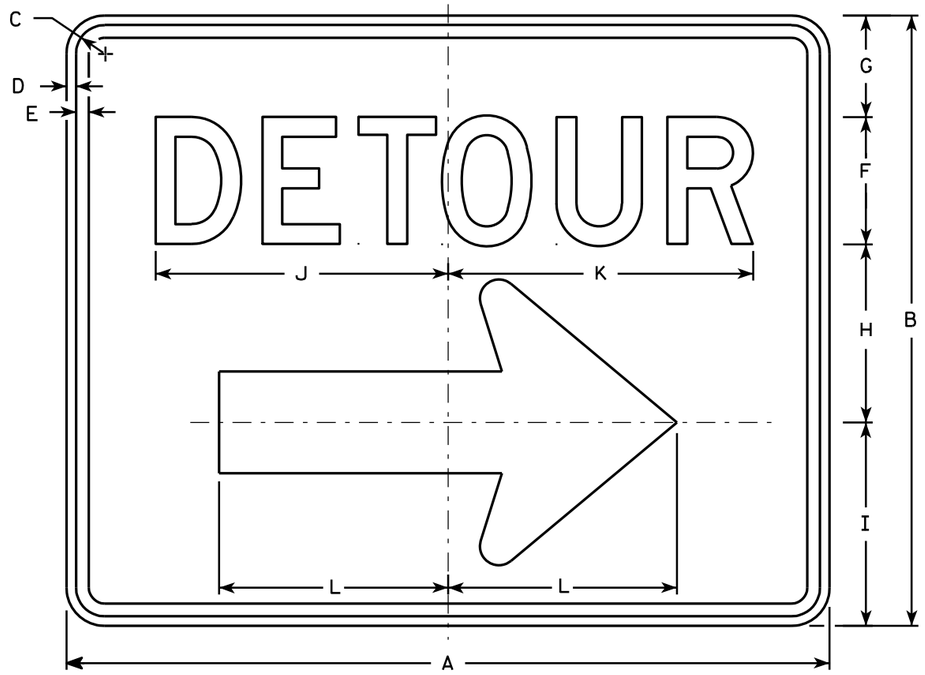
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/13 PLATE NO. M4-9B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

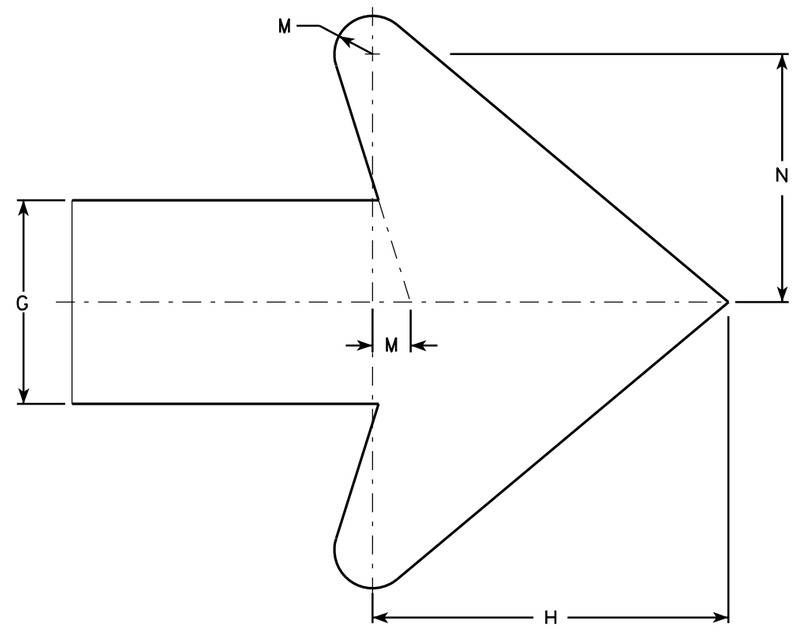
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M49B.DGN PLOT DATE : 01-OCT-2013 13:44 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



M4-9R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9L 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 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	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 3/8	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

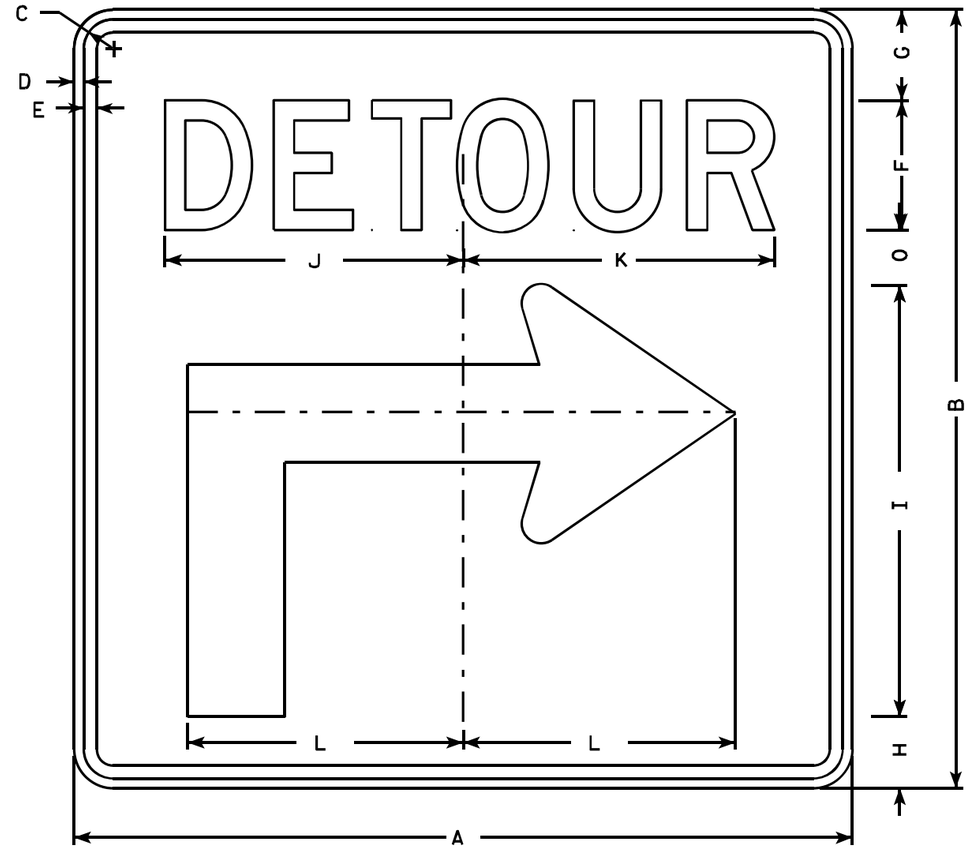
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

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

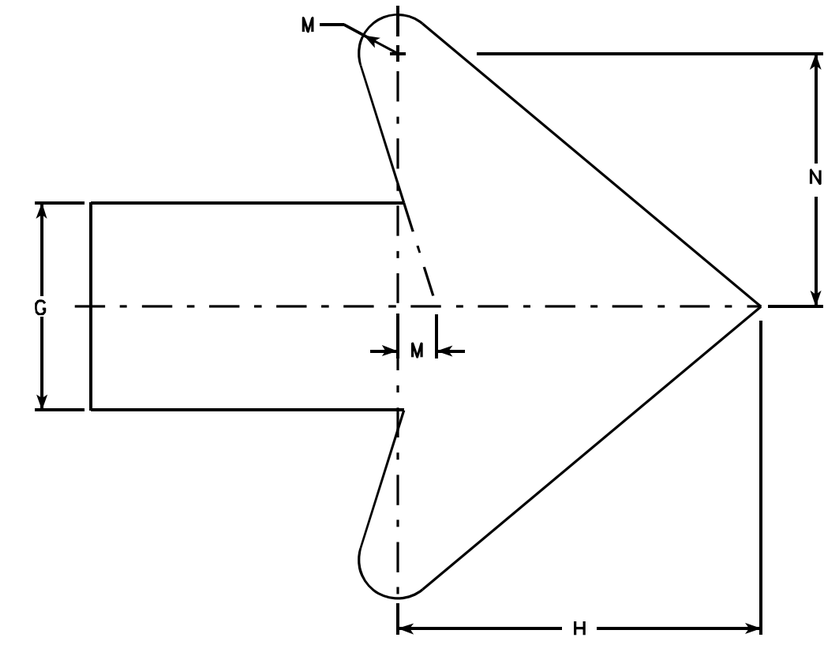
FILE NAME : C:\Users\PROJECTS\tr_stdplate\M49R.DGN PLOT DATE : 09-MAR-2011 11:17 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.959043:1.000000



M4-59R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown when base material is metal.
5. M4-59L is the same as M4-59R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
3	30	30	1 1/8	3/8	1/2	5	3 1/2	2 3/4	16 5/8	11 1/2	12	10 1/2	3/4	4 7/8	2 1/8												6.25
4	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0
5	48	48	1 3/8	1/2	5/8	8	5 5/8	4 3/8	26 5/8	20 5/8	20 1/2	17	1 1/8	6 7/8	3 3/8												16.0

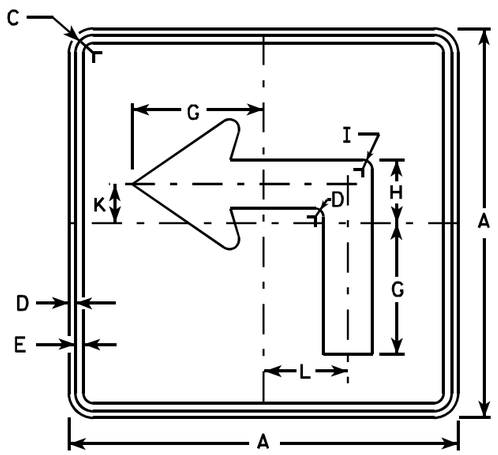
STANDARD SIGN
M4-59 L&R

WISCONSIN DEPT OF TRANSPORTATION

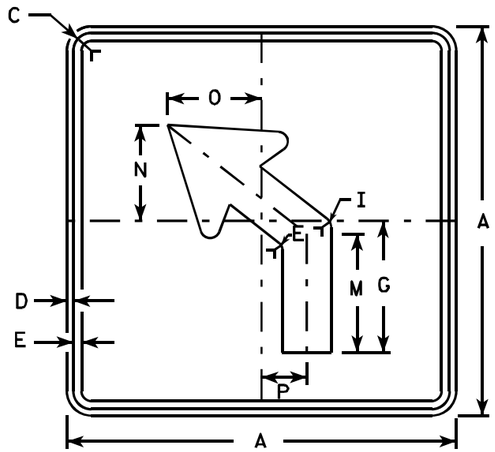
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/15 PLATE NO. M4-59.1

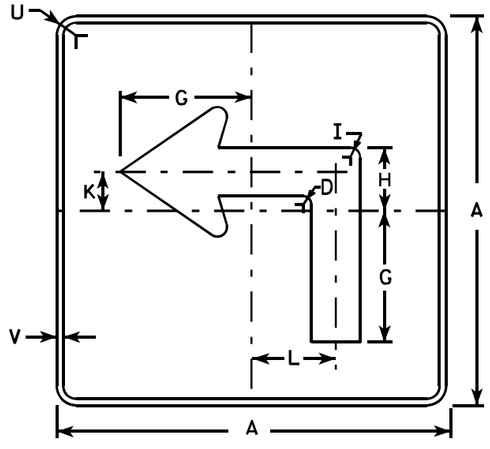
PROJECT NO:	HWY:	COUNTY:		SHEET NO. 180	E



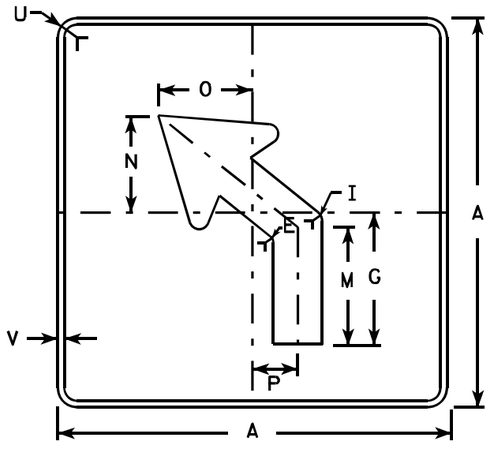
M5-1L
MM5-1L
MO5-1L
MP5-1L



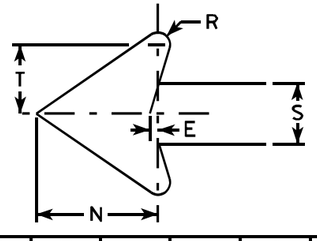
M5-2L
MM5-2L
MO5-2L
MP5-2L



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 - Type H Reflective
   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.

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	21		1 1/8	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 1/2	1/2					3.06
3	30		1 3/8	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 7/8	1/2					6.25
4	30		1 3/8	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 7/8	1/2					6.25
5	30		1 3/8	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 7/8	1/2					6.25

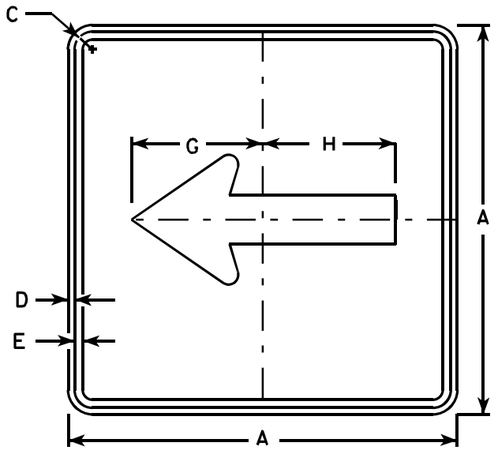
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

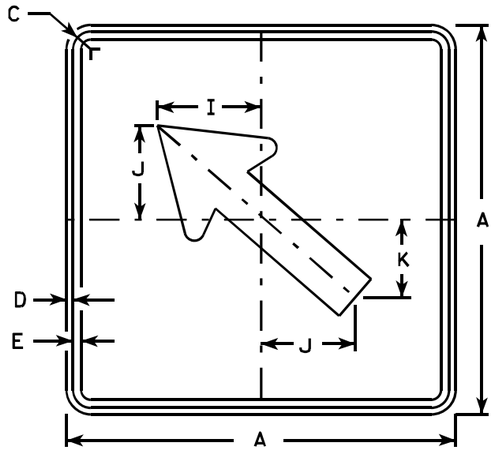
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M5-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO. 181 | E



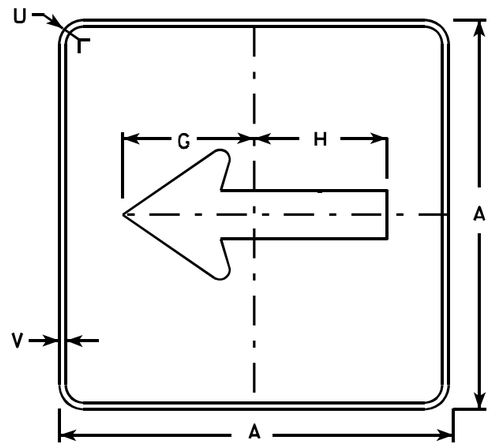
M6-1
MM6-1
MO6-1
MP6-1



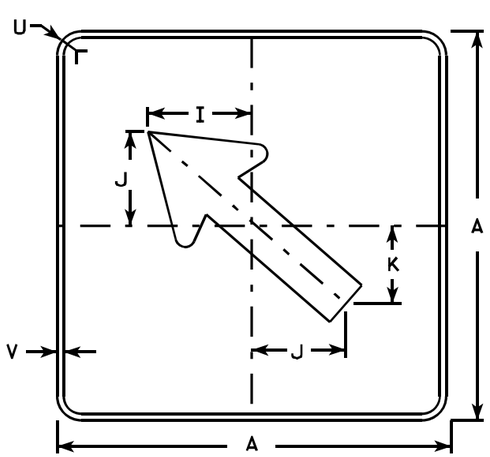
M6-2
MM6-2
MO6-2
MP6-2

NOTES

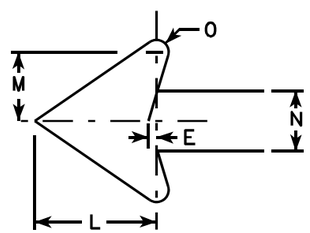
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - 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



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



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



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	21		1 1/8	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 1/2	1/2					3.06
3	30		1 3/8	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 7/8	1/2					6.25
4	30		1 3/8	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 7/8	1/2					6.25
5	30		1 3/8	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 7/8	1/2					6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

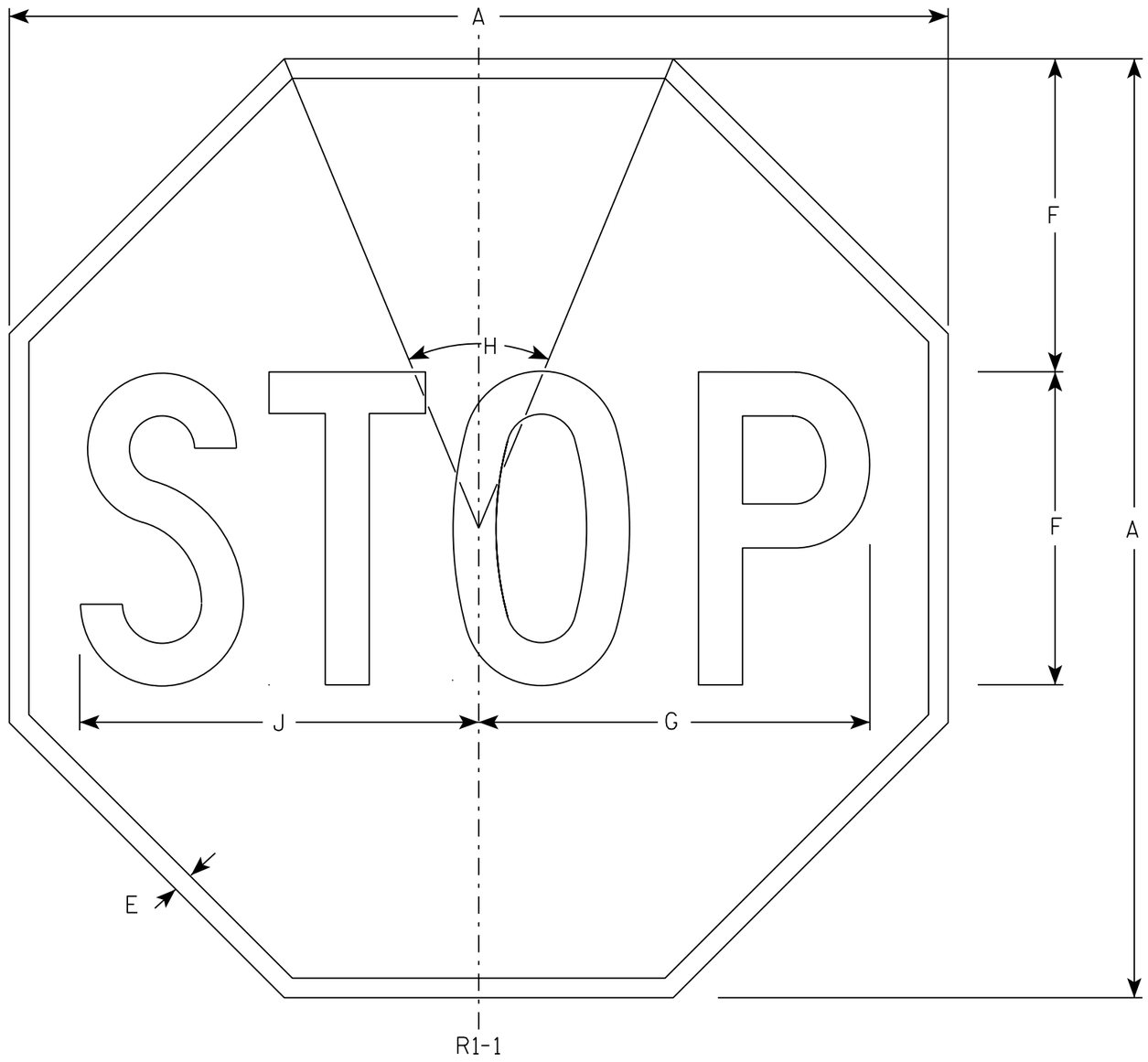
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-1.15

PROJECT NO: | HWY: | COUNTY: | SHEET NO. 182 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 15-OCT-2015 13:17 PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : 18.607113:1.000000
WISDOT/CADDS SHEET 42



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

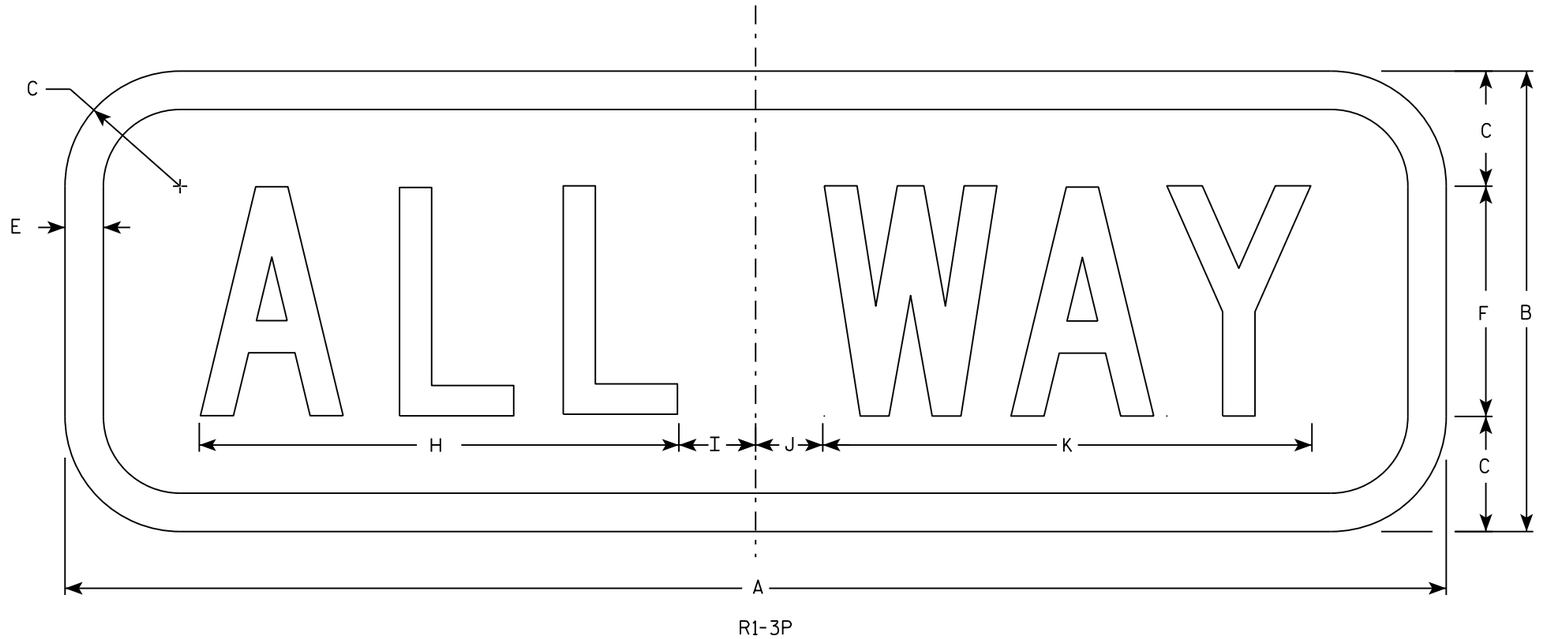
STANDARD SIGN
R1-1

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: 183	E



R1-3P

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

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 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																0.75
2S	18	6	1 ½		½	3		6 ¼	1 ¼	⅞	6 ⅜																1.5
2M	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
3	24	9	1 ½		½	5		9 ¼	1 ¼	¾	9 ¾																1.5
4	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5
5	30	12	2 ¼		⅝	6		11	2 ¼	1 ½	11 ¾																2.5

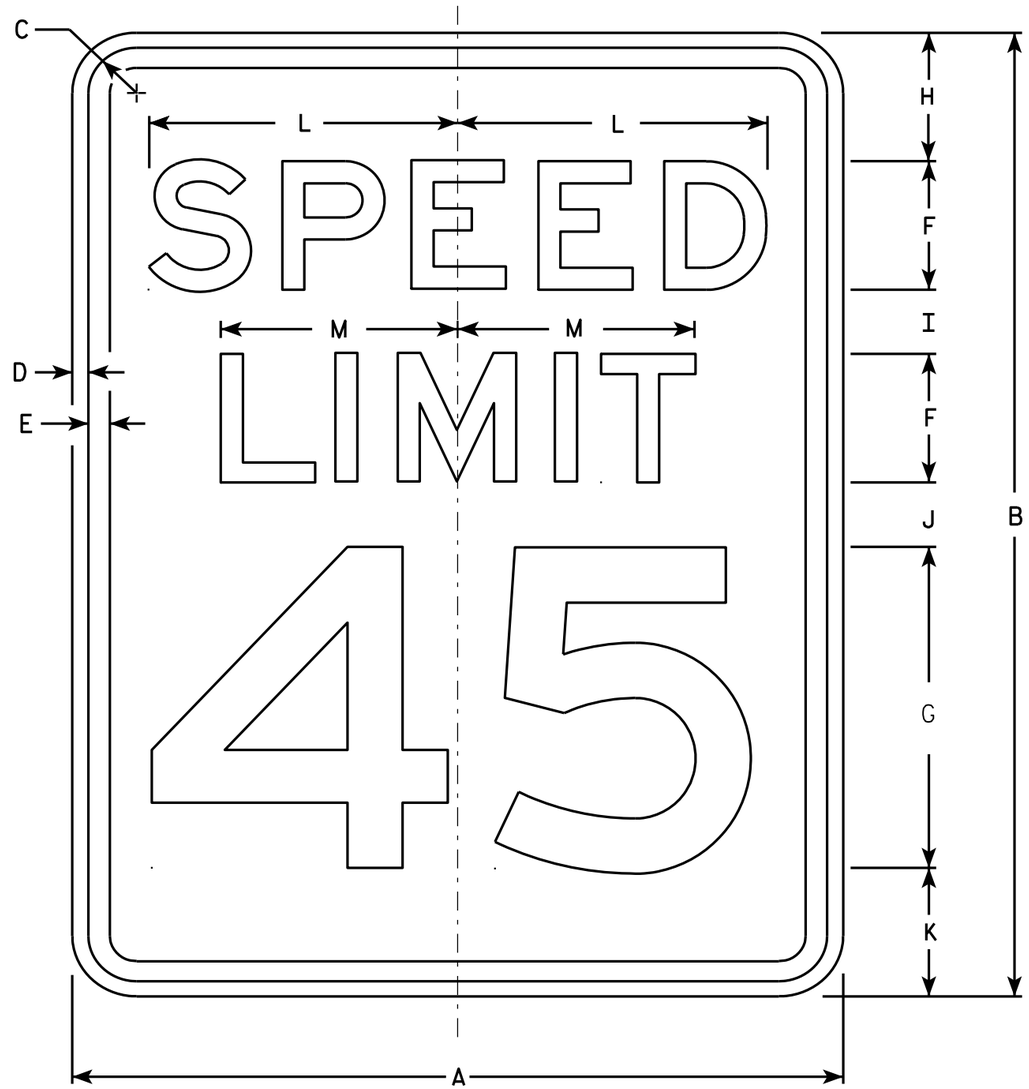
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/29/16 PLATE NO. R1-3P.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 184 | E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals 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 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	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 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

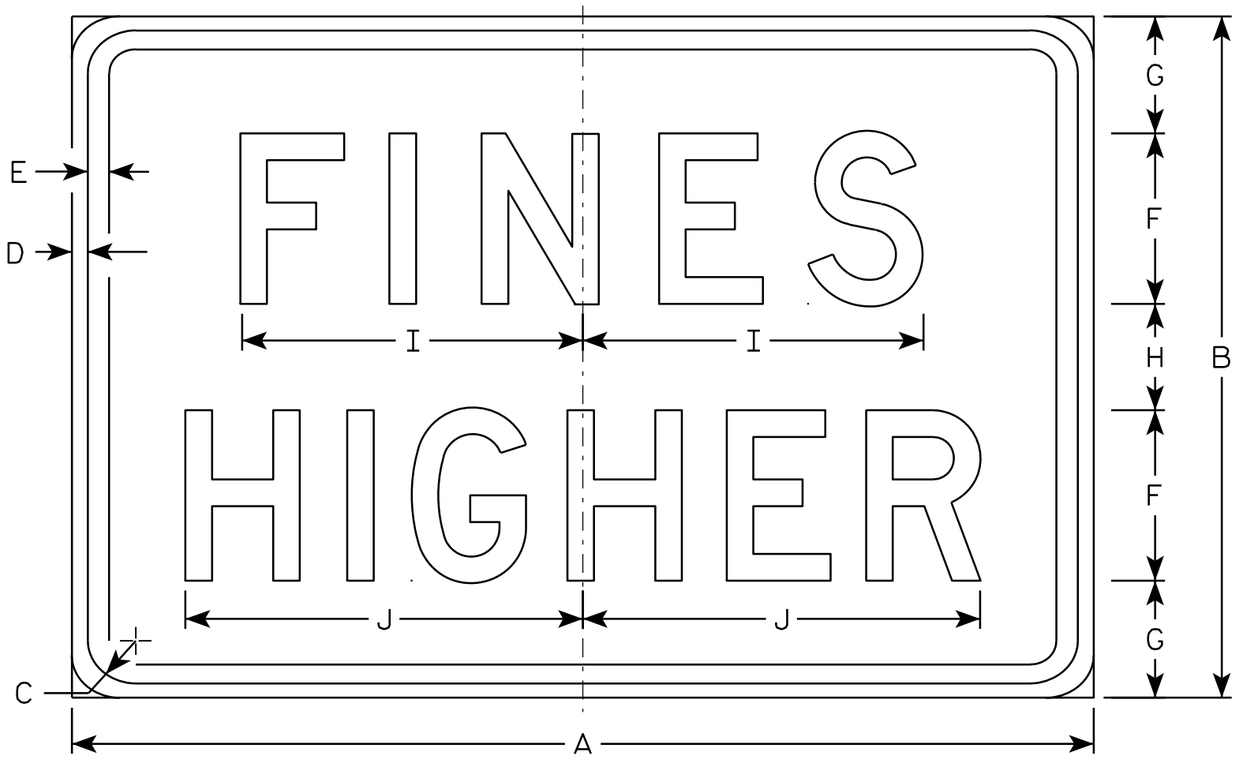
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 185	E



R2-6P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.

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 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

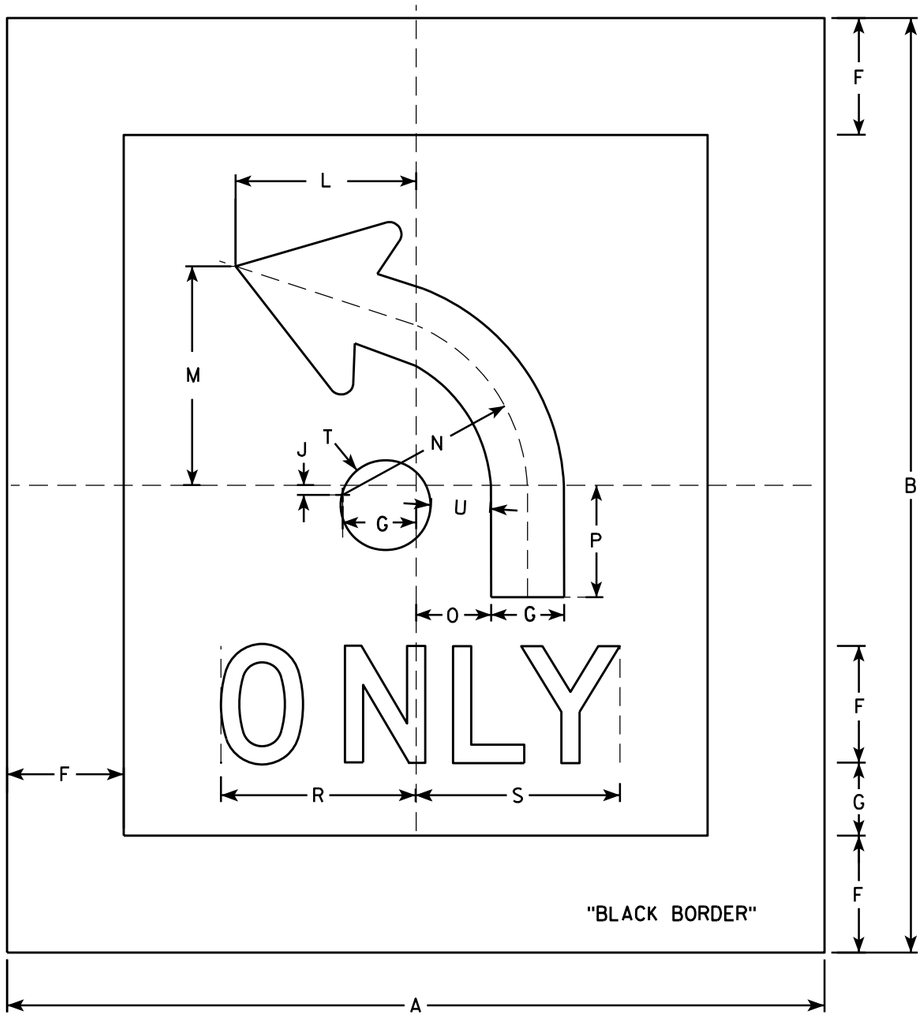
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

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

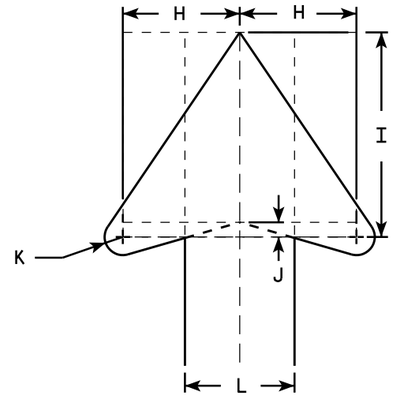
7



R3-5X

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. When base material is metal, the corners shall be rounded.
5. The 6" border is non-reflective black.



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	42	48				6	3 3/4	4	7	1/2	5/8	9 1/4	11 1/4	9 1/2	3 7/8	5 3/4		10	10 1/2	4 1/2	3						14.0
2M	42	48				6	3 3/4	4	7	1/2	5/8	9 1/4	11 1/4	9 1/2	3 7/8	5 3/4		10	10 1/2	4 1/2	3						14.0
3																											
4																											
5																											

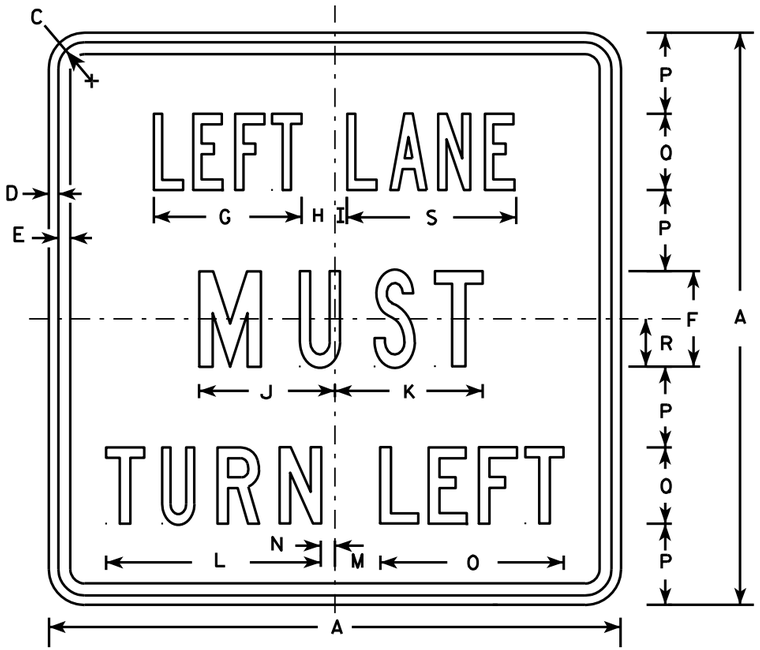
STANDARD SIGN
R3-5X

WISCONSIN DEPT OF TRANSPORTATION

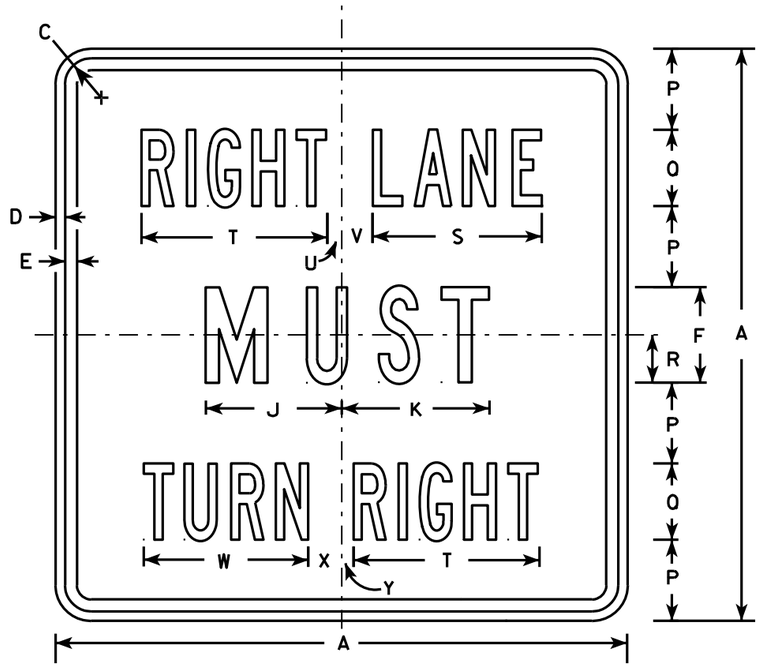
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 187 R3-5X.3

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



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

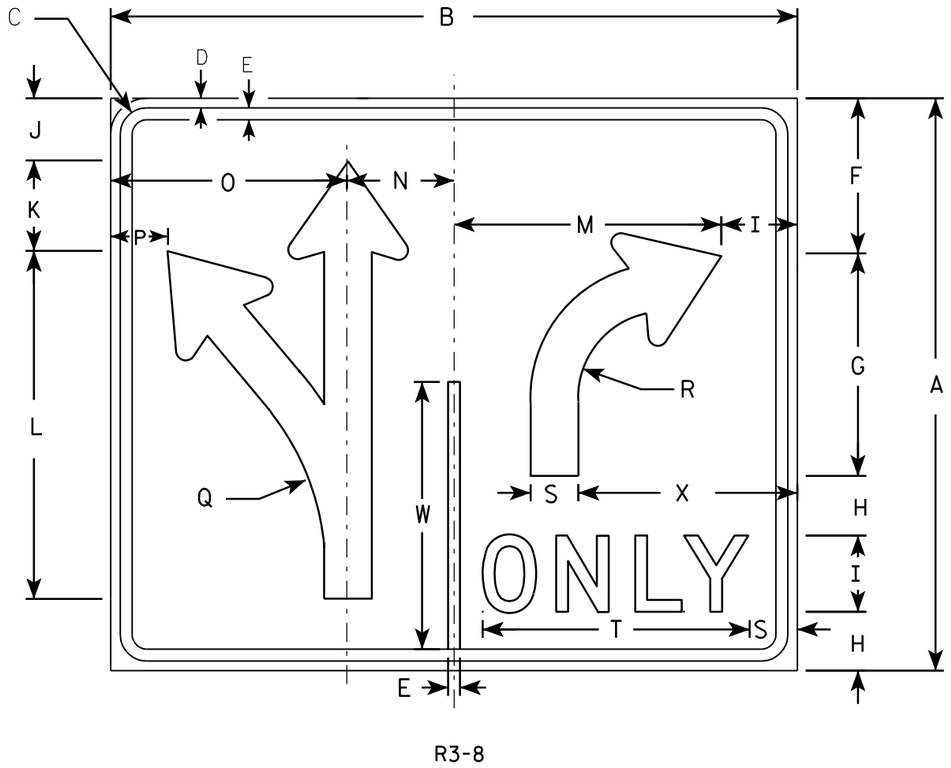
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

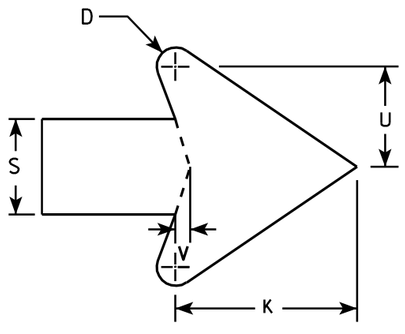
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 188 | E



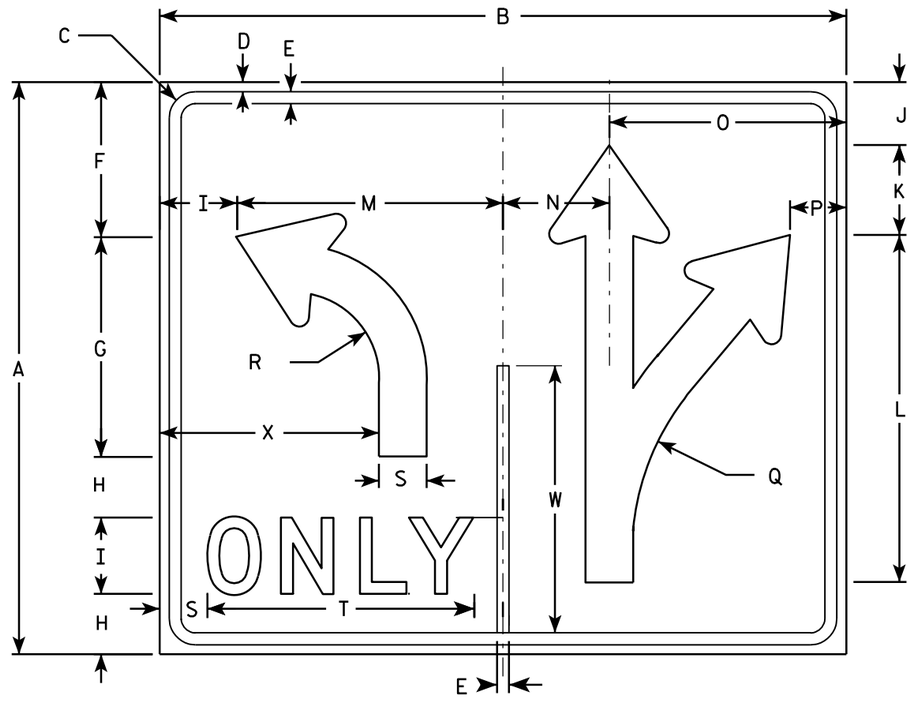
R3-8



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.



R3-8A

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	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0

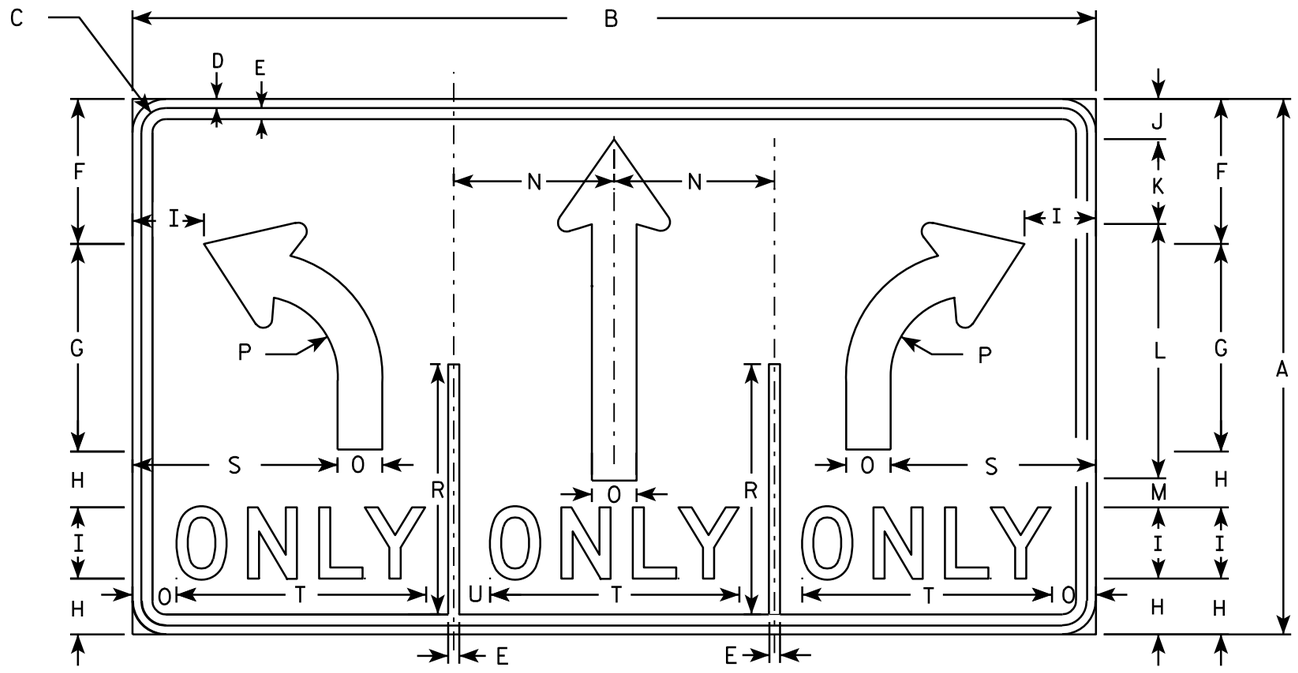
STANDARD SIGN
R3-8 & R3-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8.5

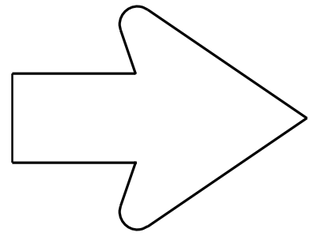
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 189	E



R3-8W

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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.



SEE R3-8 FOR ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
2M	30	54	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	2 1/4	4 3/4	14 1/4	1 5/8	9	2 1/2	4 1/2		14	11 1/2	14	2						11.25
3																											
4	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 3/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0
5	48	84	2 1/4	3/4	1	13	18 1/2	5 1/4	6	3 3/4	7	29 1/8	2 7/8	14	3 3/4	7 1/4		22 3/8	17 1/4	20 1/2	3 1/4						28.0

STANDARD SIGN
R3-8W

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-8W.4

PROJECT NO:

SHEET NO: 190 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R38W.DGN PLOT DATE : 24-MAR-2011 10:19 PLOT BY : mscsja PLOT NAME :

WISDOT/CADDS SHEET 42

7

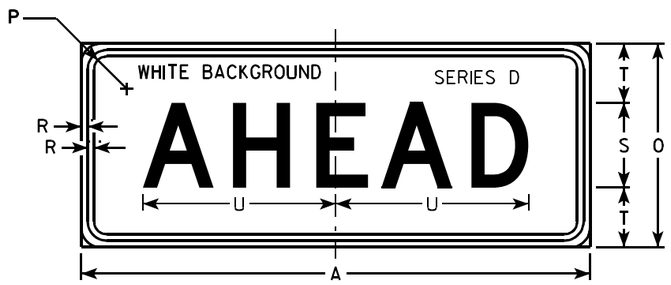
7



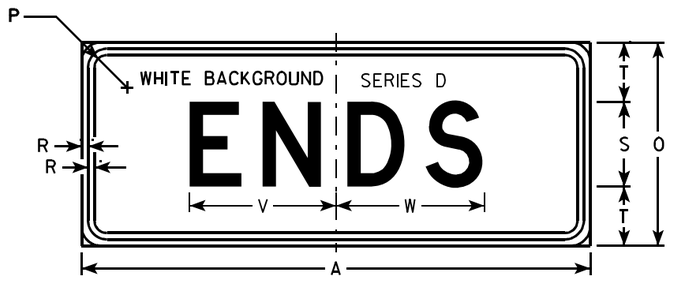
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
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.



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 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	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 1/8	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 1/8	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 1/8	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

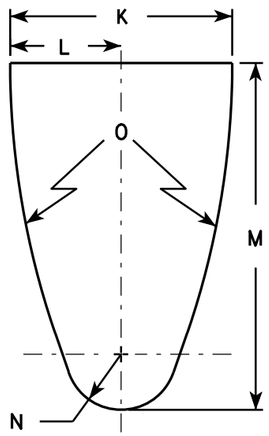
WISCONSIN DEPT OF TRANSPORTATION

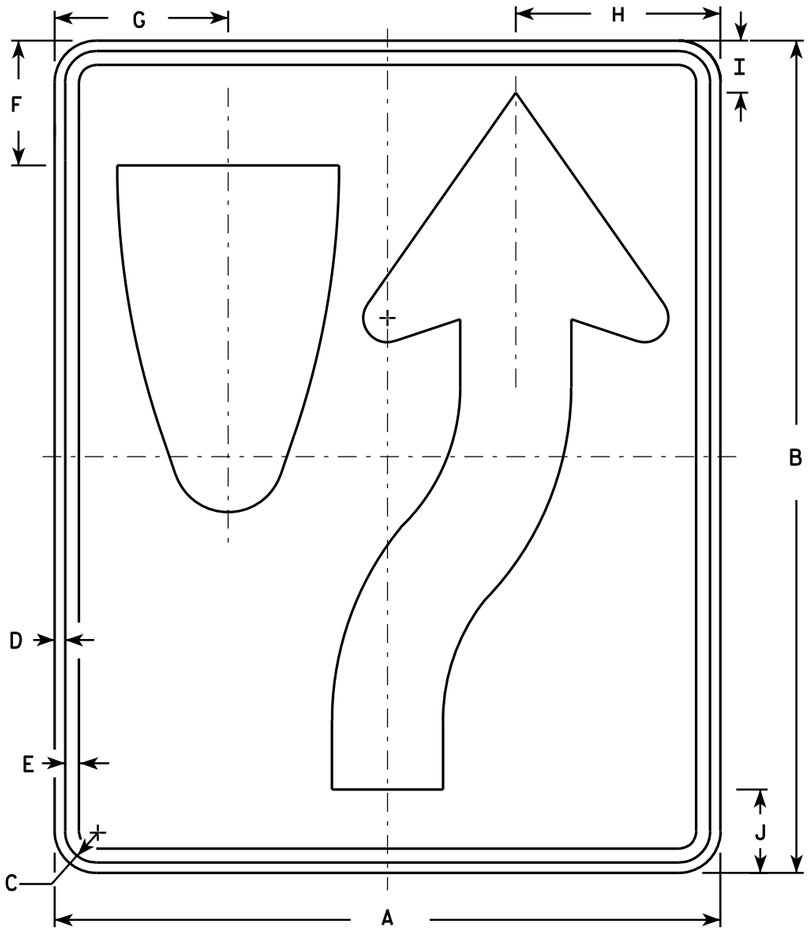
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

SHEET NO: 191 E

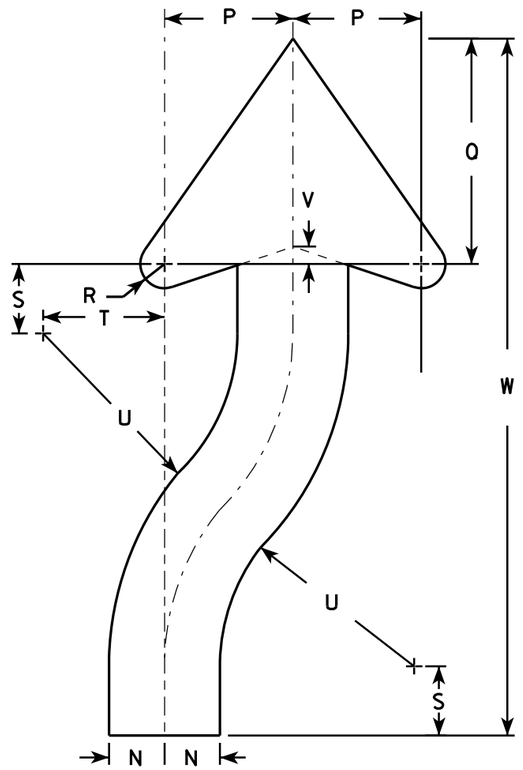




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend 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	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

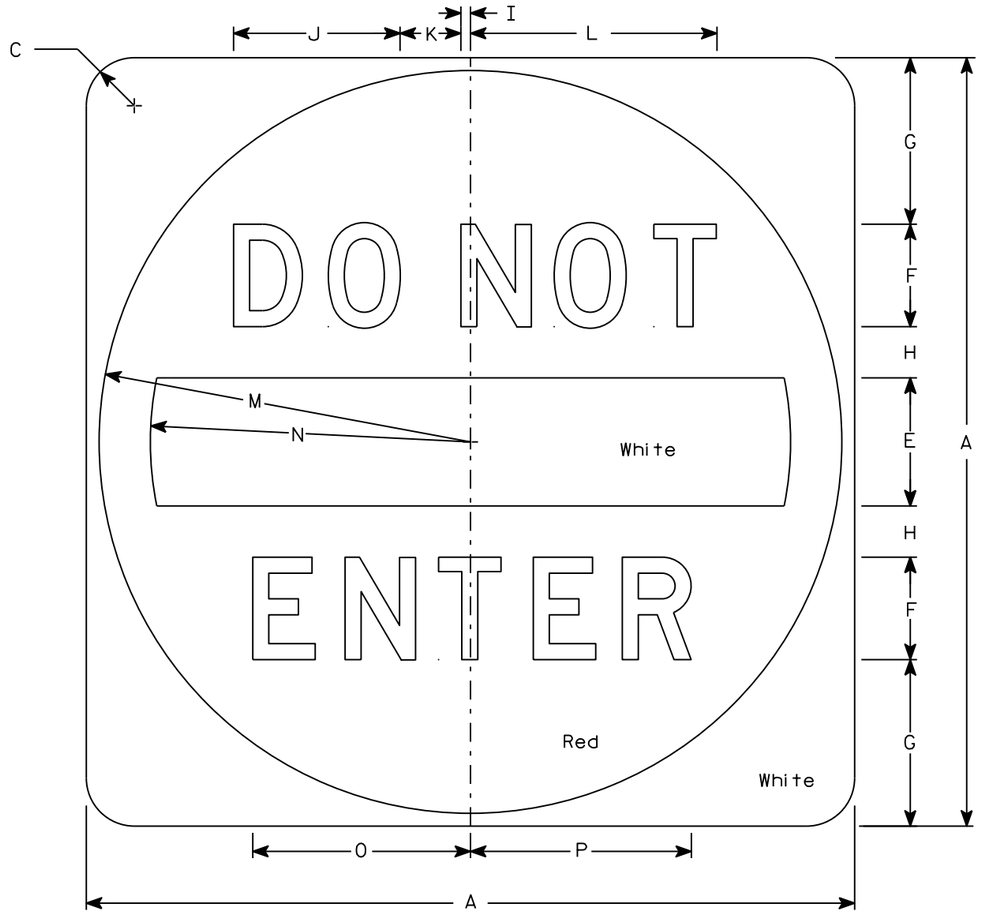
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 192	E



R5-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

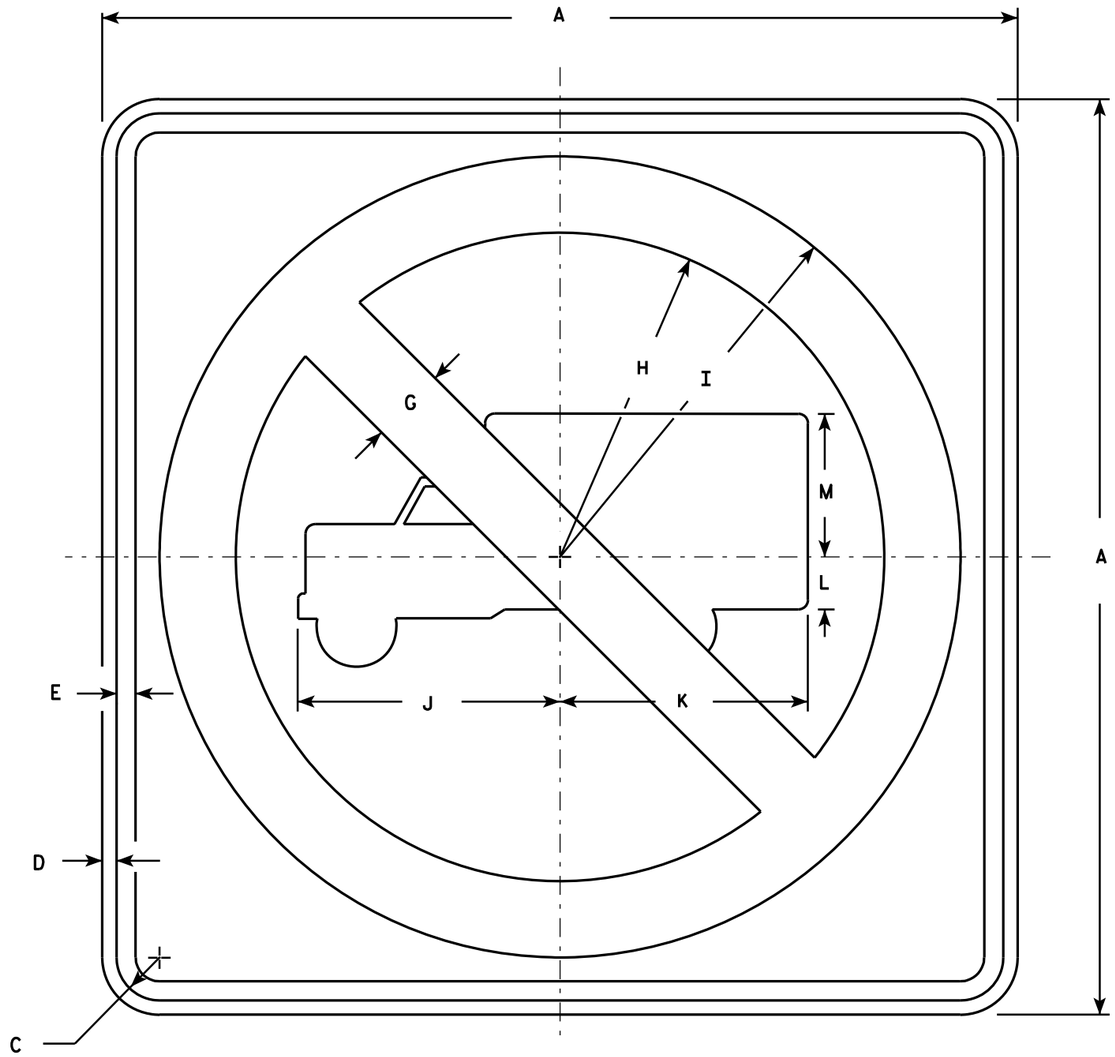
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 193 | E



R5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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. Circle & Diagonal - Reflective red.
   Truck Symbol & Border - Non-reflective 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																											
2S	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
2M	24		1 1/8	3/8	1/2		2	8 1/2	10 1/2	6 7/8	6 1/2	1 3/8	3 3/4														4.0
3	30		1 3/8	1/2	5/8		2 1/2	10 5/8	13 1/8	8 1/2	8 1/8	1 5/8	4 3/4														6.25
4	36		1 5/8	5/8	3/4		3	12 3/4	15 3/4	10 1/4	9 3/4	2	5 3/4														9.0
5	48		2 1/4	3/4	1		4	17	21	13 5/8	13	2 5/8	7 5/8														16.0

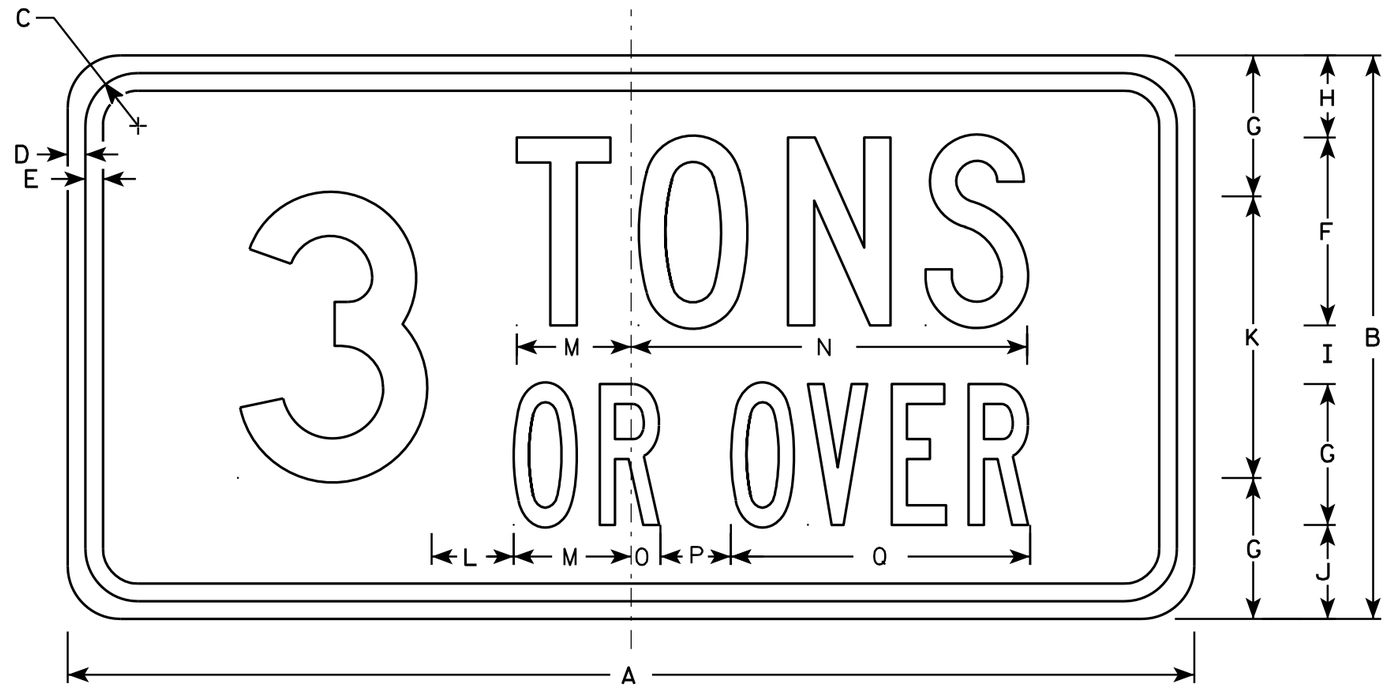
STANDARD SIGN
R5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2.6

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 194	E



R5-2A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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 "C"
   Line 2 is Series "B"
   Numeral is Series "D"
6. Substitute appropriate numerals.

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 1/8	3/8	3/8	4	3	1 3/4	1 1/4	2	6	1 3/4	2 1/2	8 1/2	5/8	1 1/2	6 3/8										2.0
2M	24	12	1 1/8	3/8	3/8	4	3	1 3/4	1 1/4	2	6	1 3/4	2 1/2	8 1/2	5/8	1 1/2	6 3/8										2.0
3	30	15	1 1/8	3/8	1/2	5	4	2 1/8	1 3/8	2 1/2	7	2 1/4	3 1/8	10 1/2	1	2 3/8	8 1/2										2.25
4	36	18	1 1/8	3/8	1/2	6	5	2 5/8	1 3/8	3	9	2 1/2	3 3/4	12 5/8	1 3/8	3 1/8	10 1/2										4.5
5	48	24	1 3/8	3/8	5/8	8	6	3 1/2	2 1/2	4	12	3 1/2	4 7/8	16 7/8	1 1/4	3	12 3/4										8.0

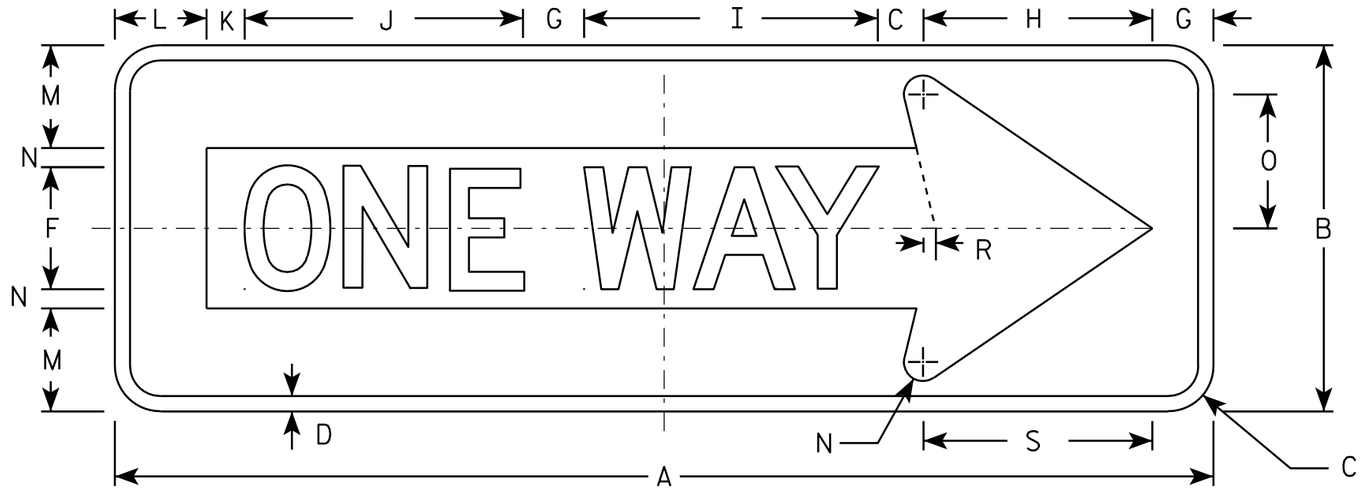
STANDARD SIGN
R5-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2011 PLATE NO. R5-2A.7

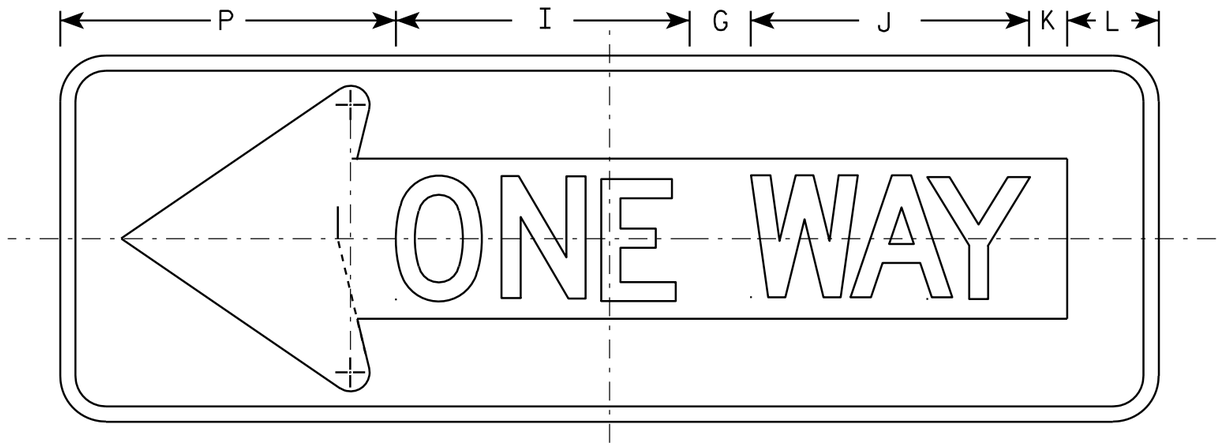
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 195 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
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.



R6-1L

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	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

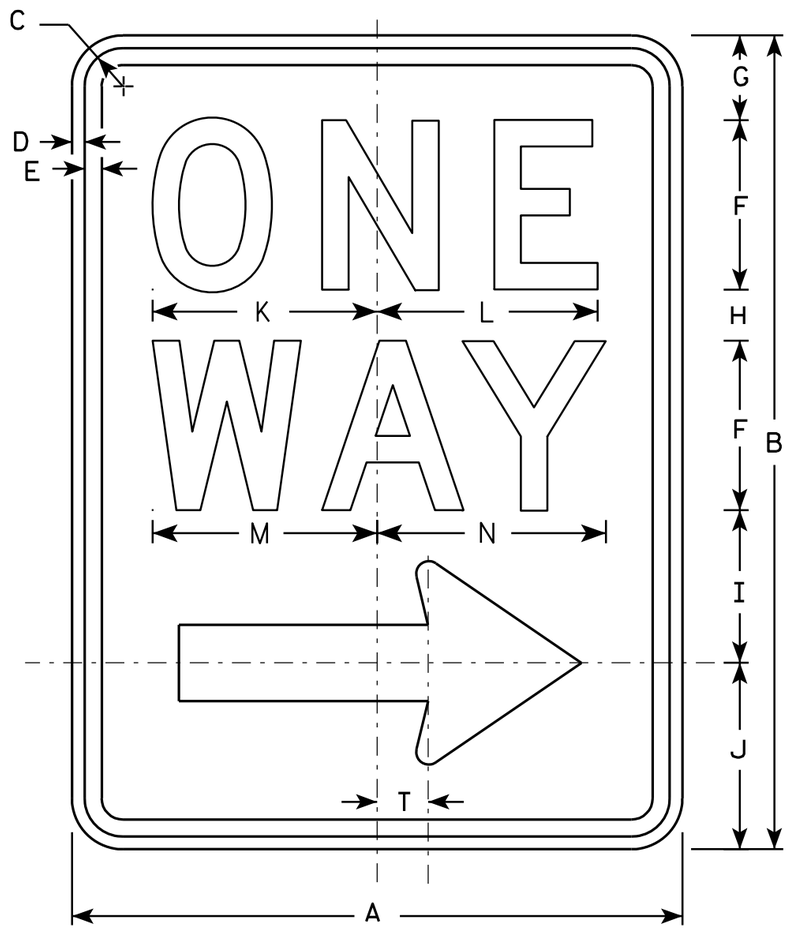
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

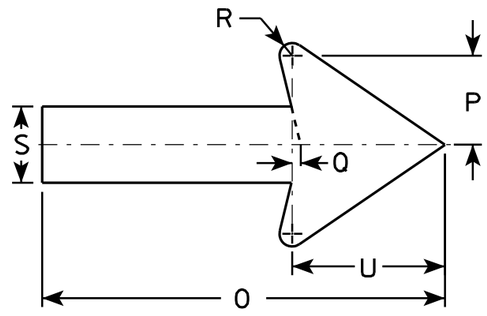
SHEET NO: 196 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 197 | E



R6-6

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D except Line 1 is 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
1																										
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	9 1/8	8 1/8	8 1/2															
2M	30	36	1 3/8	1/2	5/8	8	3 1/4	2 3/4	12 1/4	10 1/2	11 1/2															
3	36	48	1 3/8	1/2	5/8	10	5 1/4	3 1/4	15 1/4	12 3/4	13 3/8															
4	36	48	1 3/8	1/2	5/8	10	5 1/4	3 1/4	15 1/4	12 3/4	13 3/8															
5																										

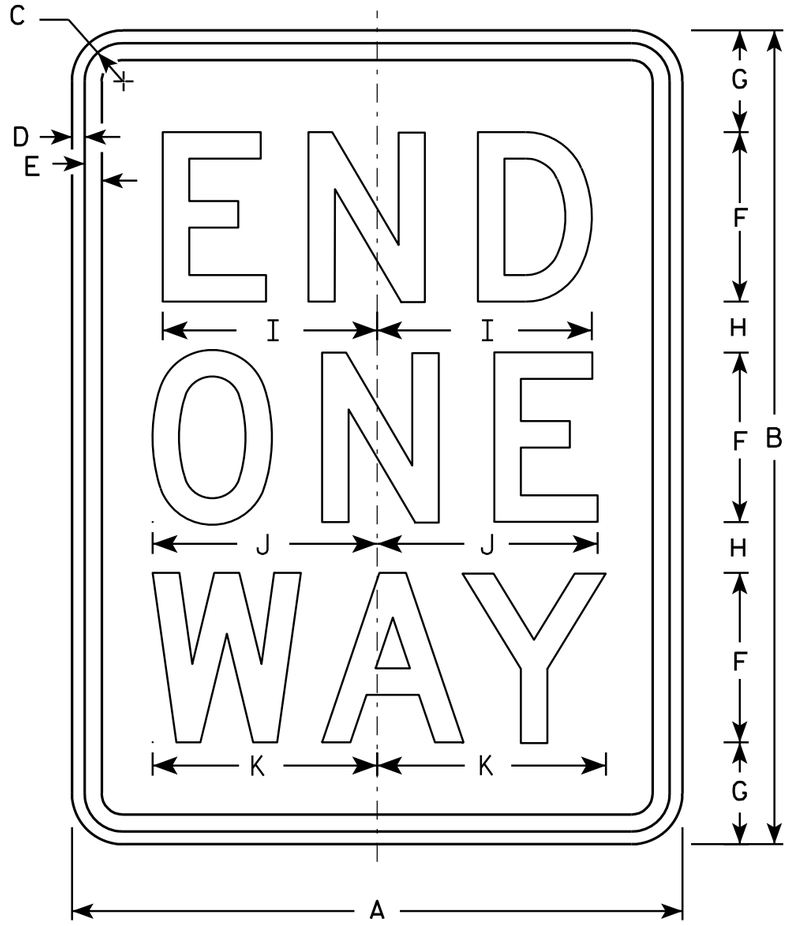
STANDARD SIGN
R6-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-6.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 198	E



R6-7

NOTES

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

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
1																										
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	8	8 1/8	8 1/2															
2M	30	36	1 3/8	1/2	5/8	8	3 1/4	2 3/4	10 1/8	10 1/2	11 1/2															
3	36	48	1 3/8	1/2	5/8	10	5 1/4	3 1/4	12 5/8	12 3/4	13 3/8															
4	36	48	1 3/8	1/2	5/8	10	5 1/4	3 1/4	12 5/8	12 3/4	13 3/8															
5																										

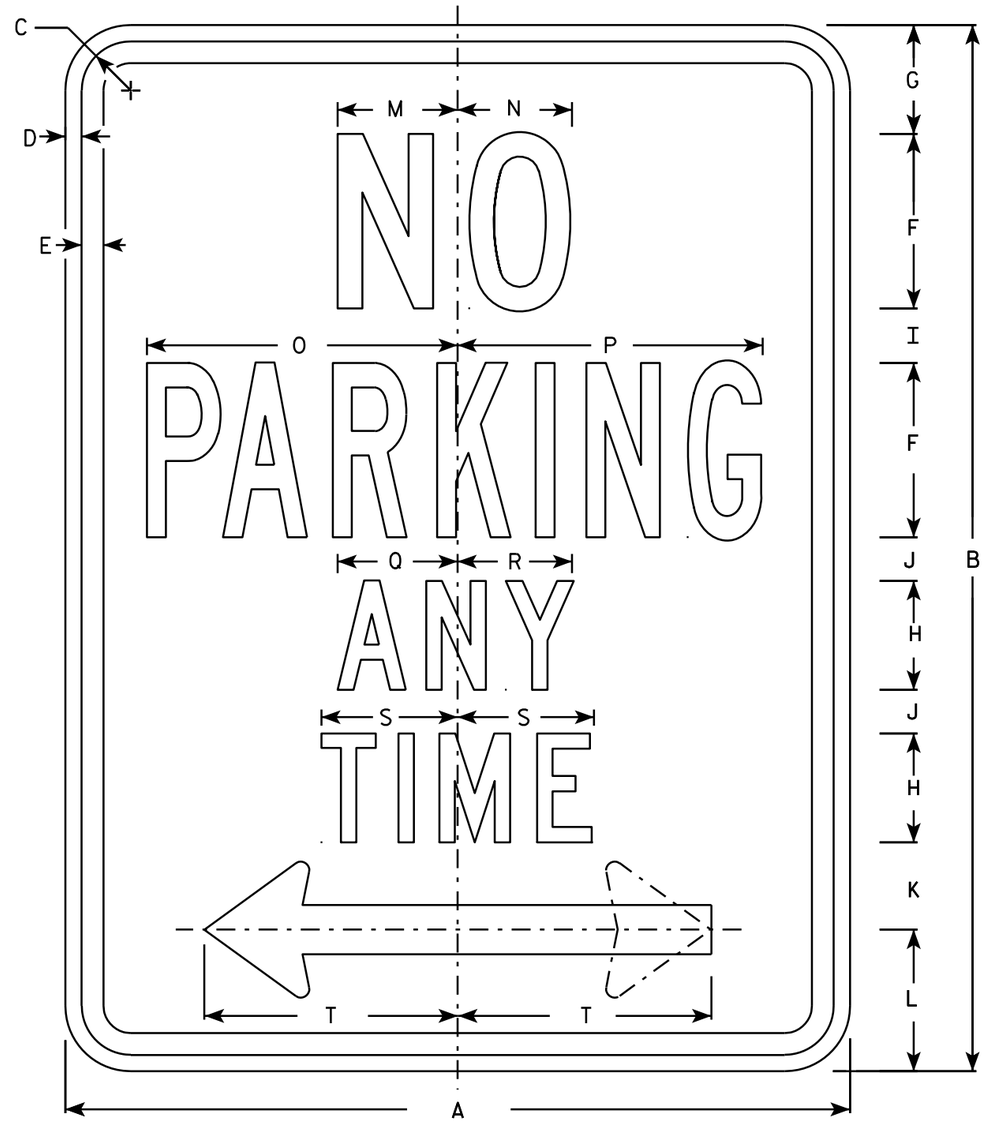
STANDARD SIGN
R6-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-7.1

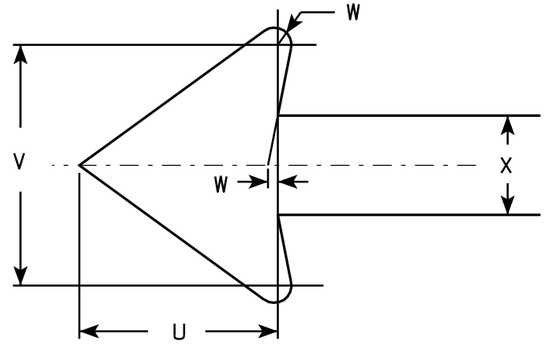
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 199 | E



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
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, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (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	12	18	1 1/8	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 1/8	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 1/8	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 1/8	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 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 200	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R71.DGN PLOT DATE : 31-MAR-2011 09:20 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 3.476110:1.000000

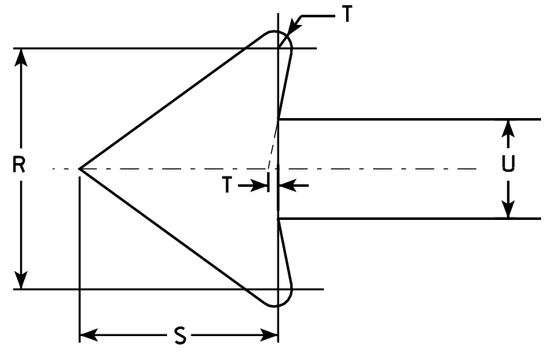
WISDOT/CADDS SHEET 42



R7-5

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Green
3. Message Series - See Note 7
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals as required & adjust spacing to achieve proper balance.
6. R7-5D (double arrow)
   R7-5L (left arrow)
   R7-5R (right arrow)
7. Lines 1, 2 & 3 are series C Copy
   Line 4 Series B Copy.



* - See Note 5

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

STANDARD SIGN
R7-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/31/2011 PLATE NO. R7-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 201	E



R9-3

NOTES

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

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	12	18	1 1/8	3/8	3/8	3	2	2 1/4	3 1/2	4 7/8																	1.5
2M	12	18	1 1/8	3/8	3/8	3	2	2 1/4	3 1/2	4 7/8																	1.5
3																											
4																											
5																											

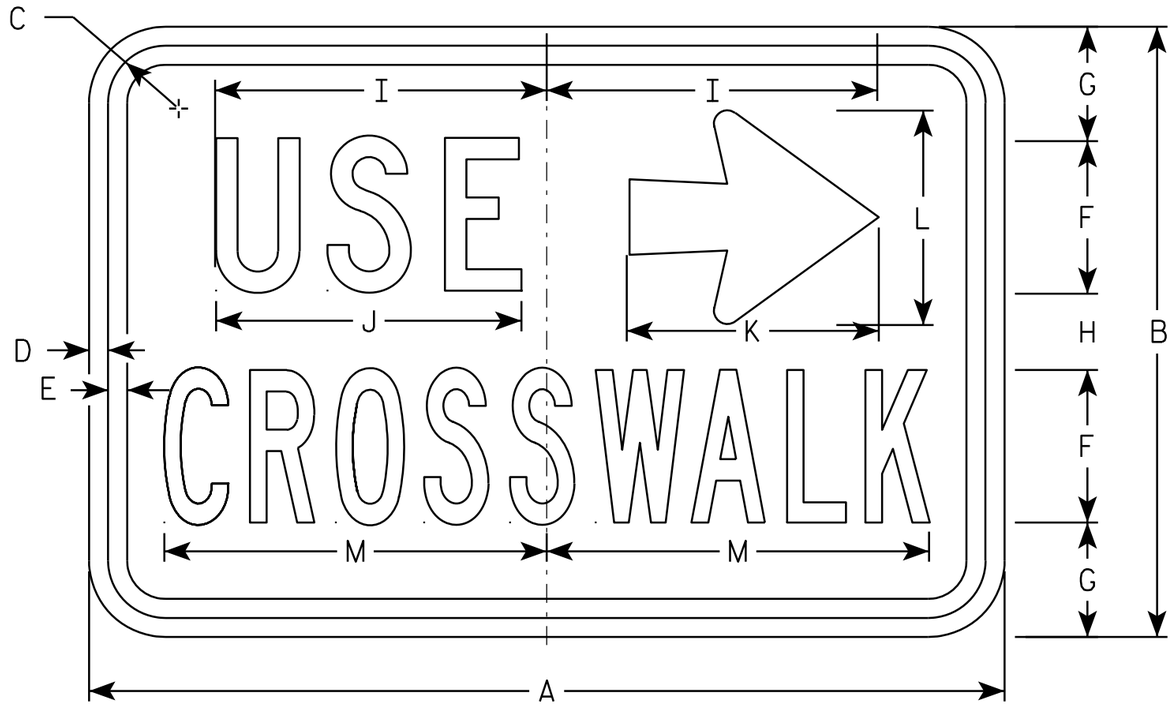
STANDARD SIGN
R9-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-3.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 202 | E



R9-3BR

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
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. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

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	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
2M	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5
3																											
4																											
5																											

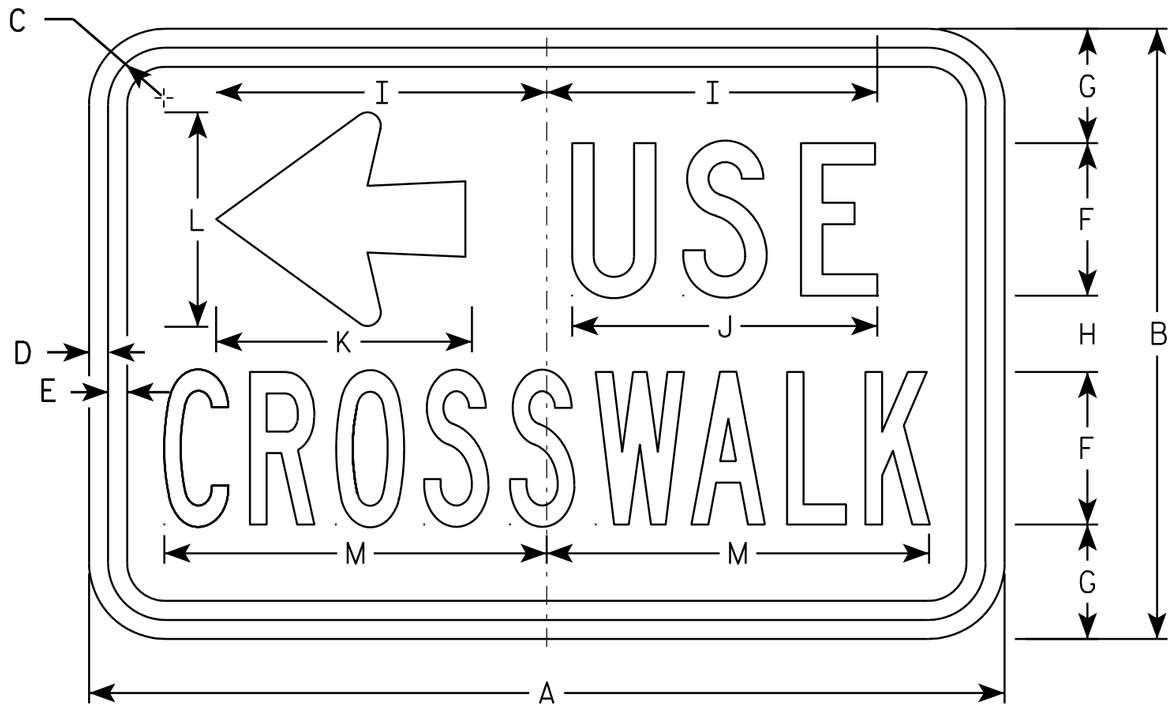
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 203 | E



R9-3BL

NOTES

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

Metric equivalent for this sign is:

SIZE	
1	
2	450 mm X 300 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	18	12	1 1/8	3/8	3/8	3	2 1/4	1 1/2	6 1/2	6	5	4 1/4	7 1/2														1.5	0.14
3																												
4																												
5																												

STANDARD SIGN
R9-3BL

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/05/09 PLATE NO. R9-3BL.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 204 | E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
2M	30	18	1 3/4	1/2	1/2	4	3 1/2	3	10 3/4	8 1/8																	3.75
3																											
4																											
5																											

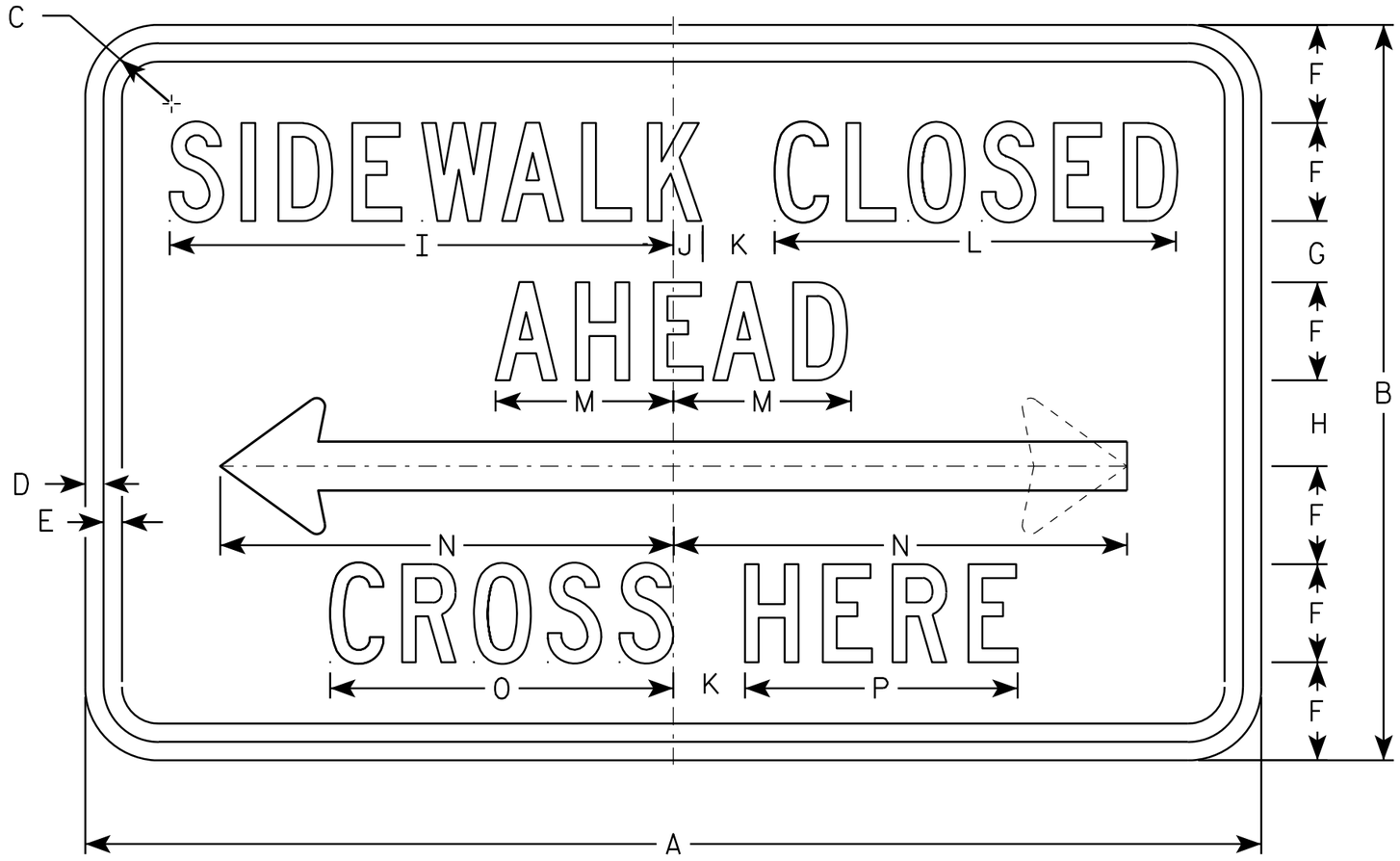
STANDARD SIGN
R9-9

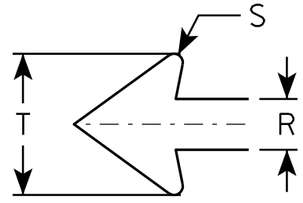
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/2011 PLATE NO. R9-9.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 205	E





R9-11

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	1 1/8	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
2S	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
2M	48	30	2 3/4	3/4	3/4	4	2 1/2	3 1/2	20 1/2	1 1/4	3	16 3/8	7 1/4	18 1/2	14	11 1/8		2	3/8	5 1/2							10.0
3																											
4																											
5																											

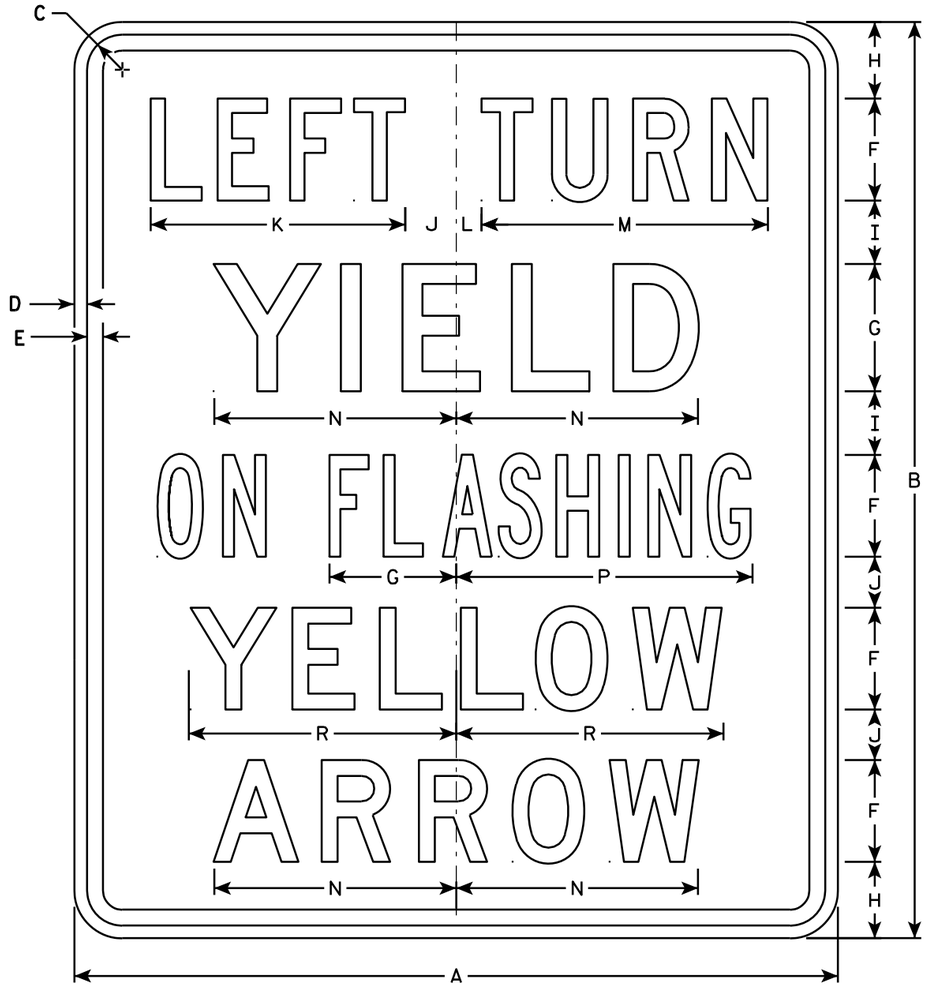
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/17/2012 PLATE NO. R9-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 206	E

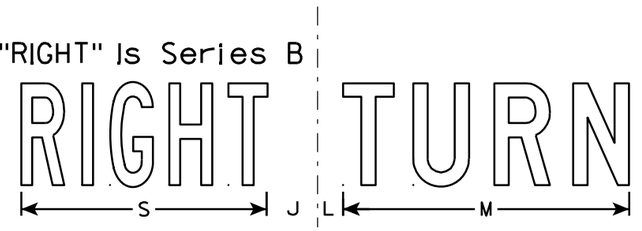


R10-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   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 C.
   Lines 2, 4 and 5 are Series D.
   Line 3 is Series B.

"RIGHT" Is Series B



R10-50R

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	36	1 3/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
2M	30	36	1 3/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
3																											
4																											
5																											

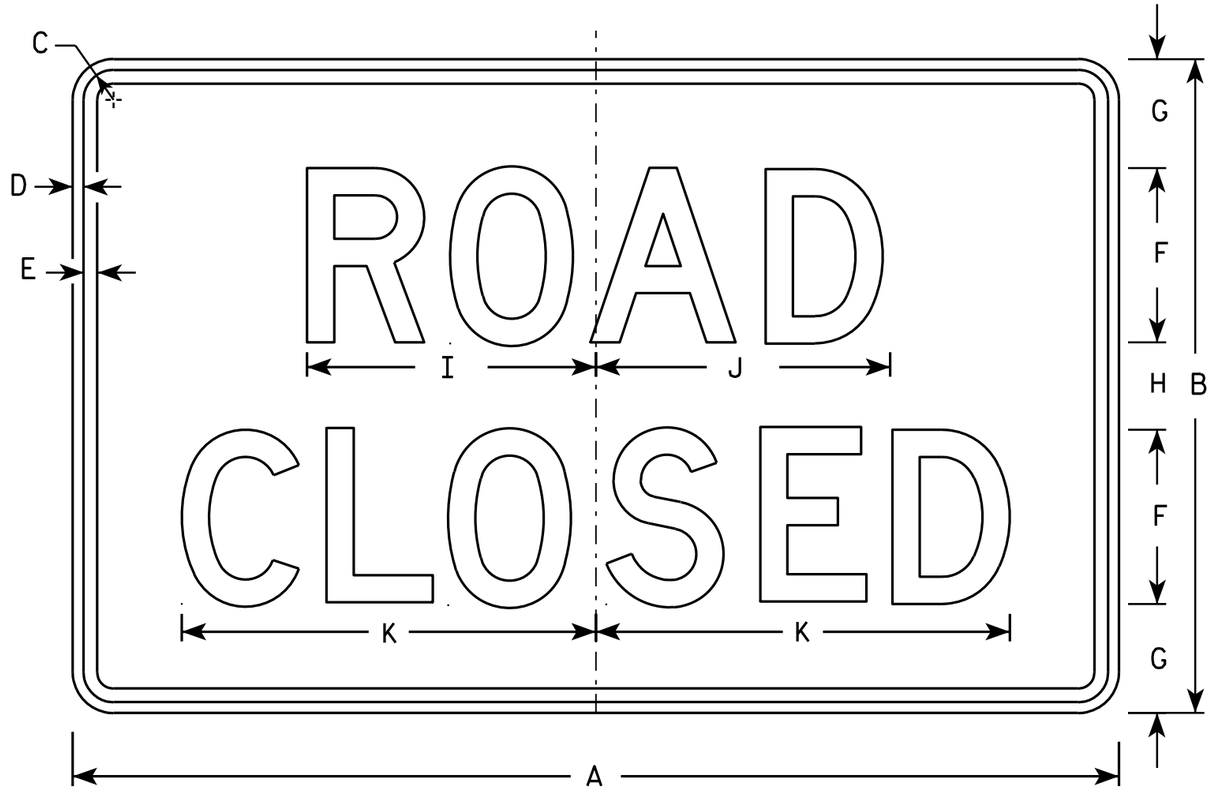
STANDARD SIGN
R10-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/11/13 PLATE NO. R10-50.2

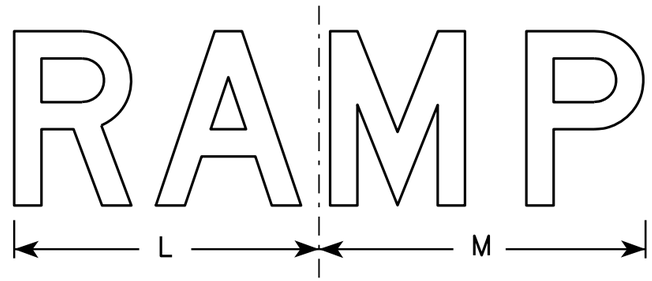
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 207	E



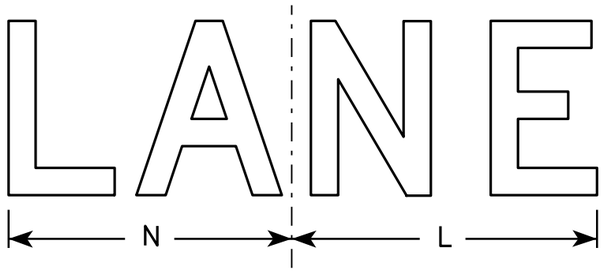
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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



R11-2L

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 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

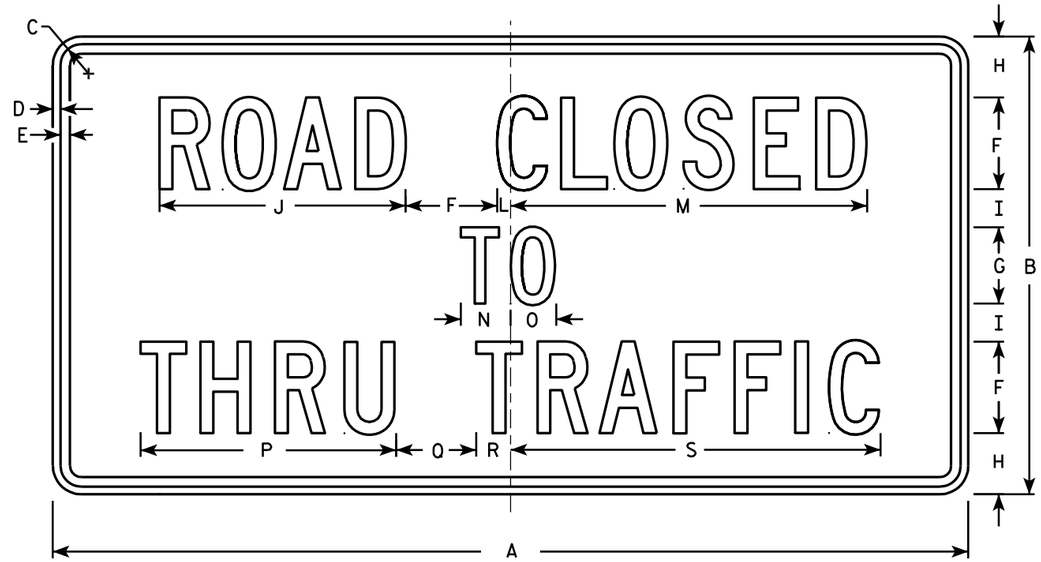
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 208	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.DGN PLOT DATE : 01-APR-2011 14:25 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.952219:1.000000

WISDOT/CADDS SHEET 42



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 3/8	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 3/8	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																											

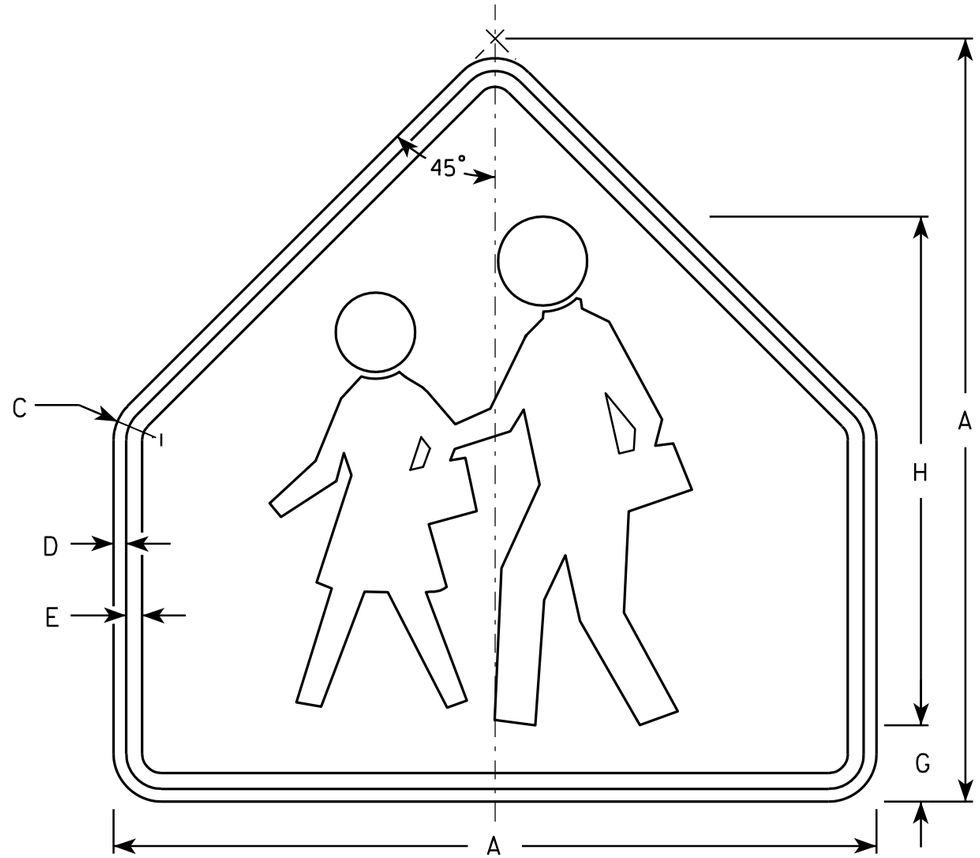
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 209 | E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3	20																			4.69
2	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		2 1/4	3/4	1		4 3/4	32																			12
5																											

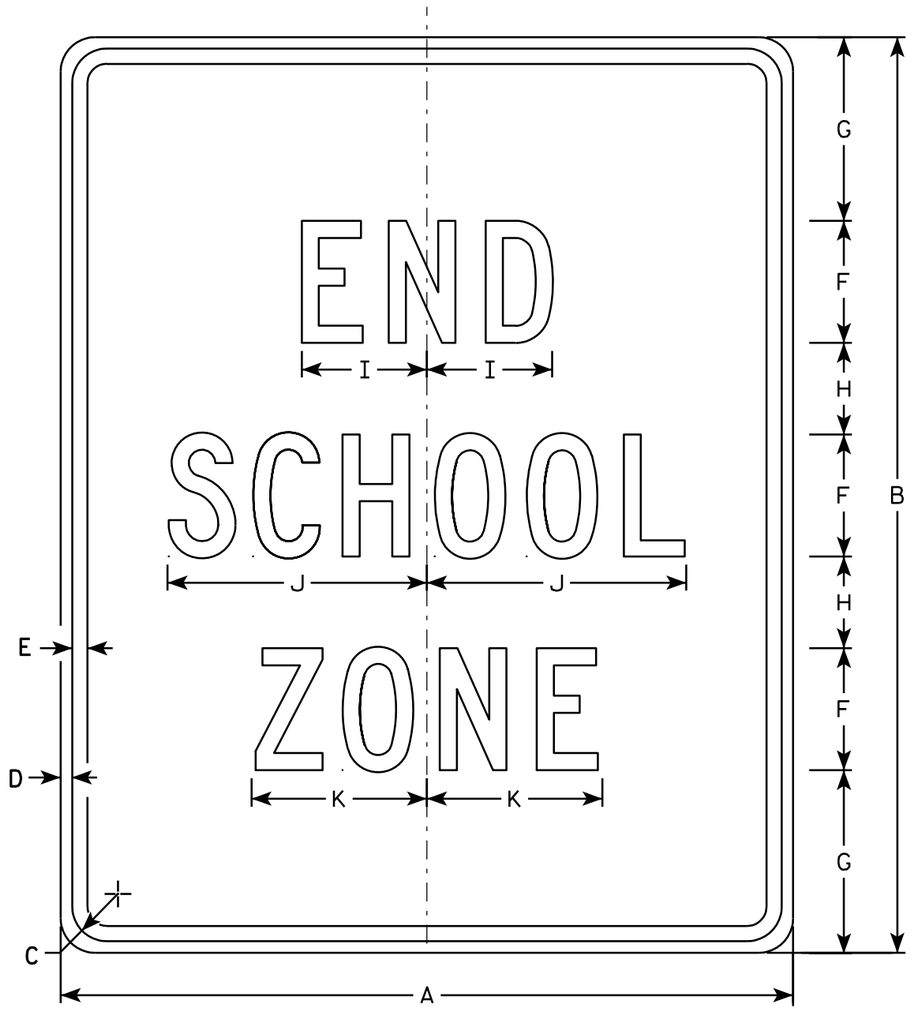
STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 210	E



S5-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

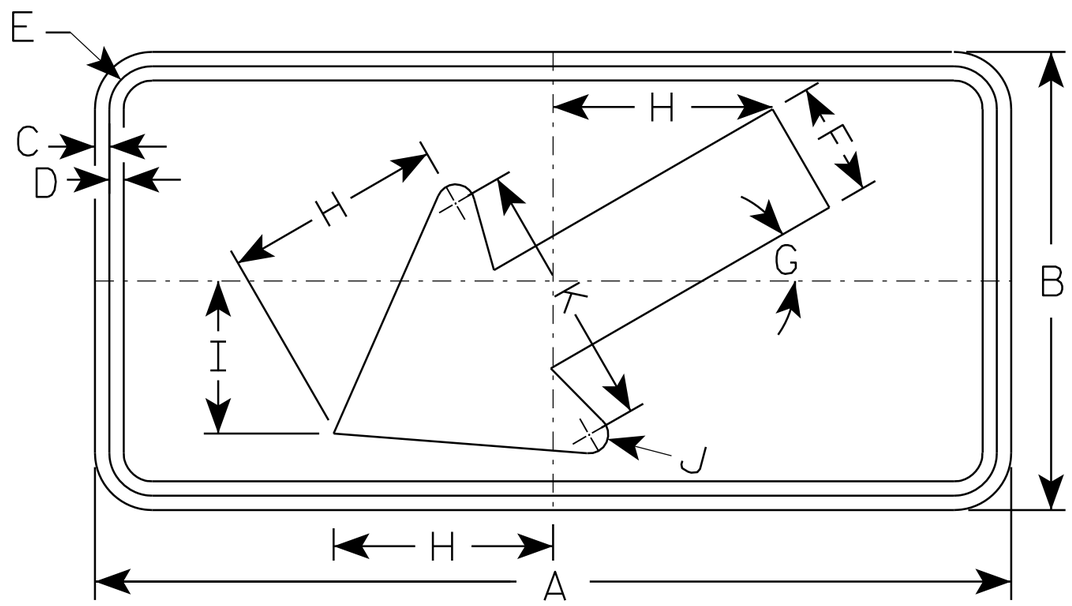
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 211 | E



S16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. S16-7R are the same as S16-7L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2S	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4	48	24	1/2	5/8	1 3/8	6	30°	11 1/2	8	1	14																8.0
5																											

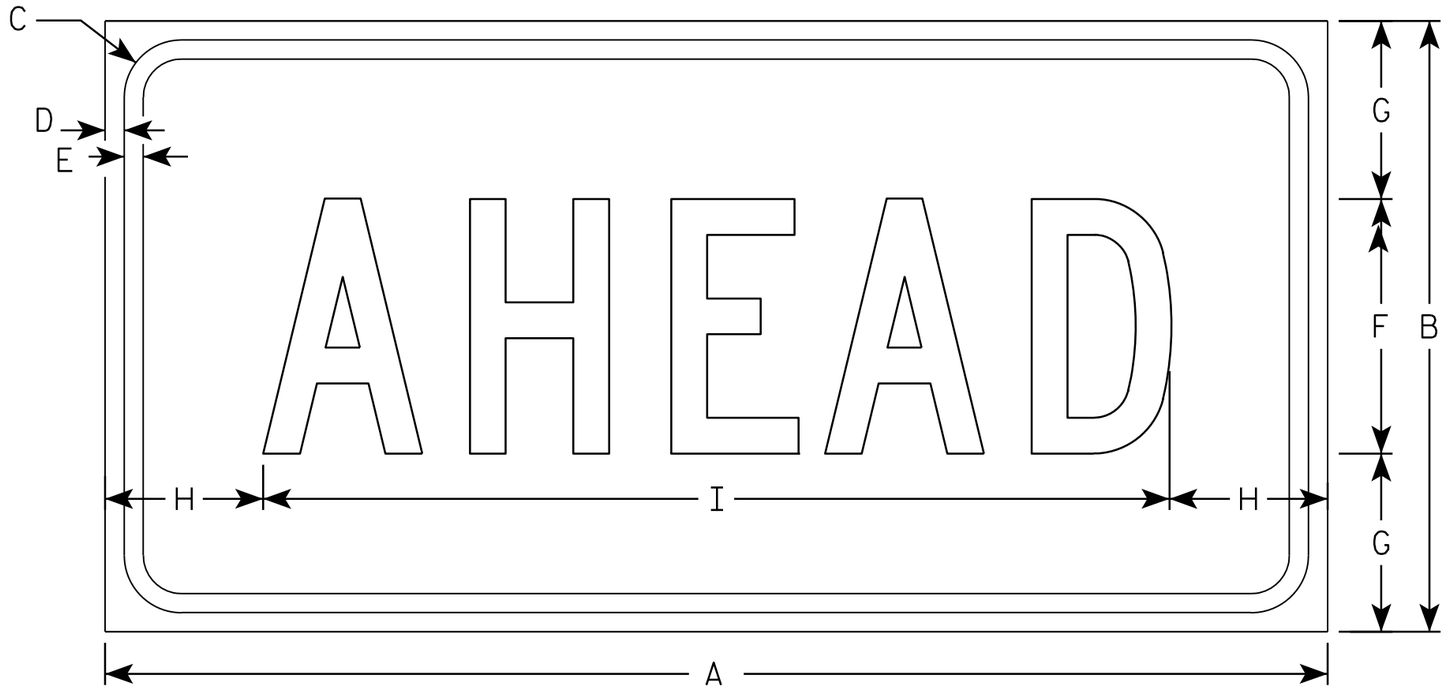
STANDARD SIGN
S16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 212 | E



S16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

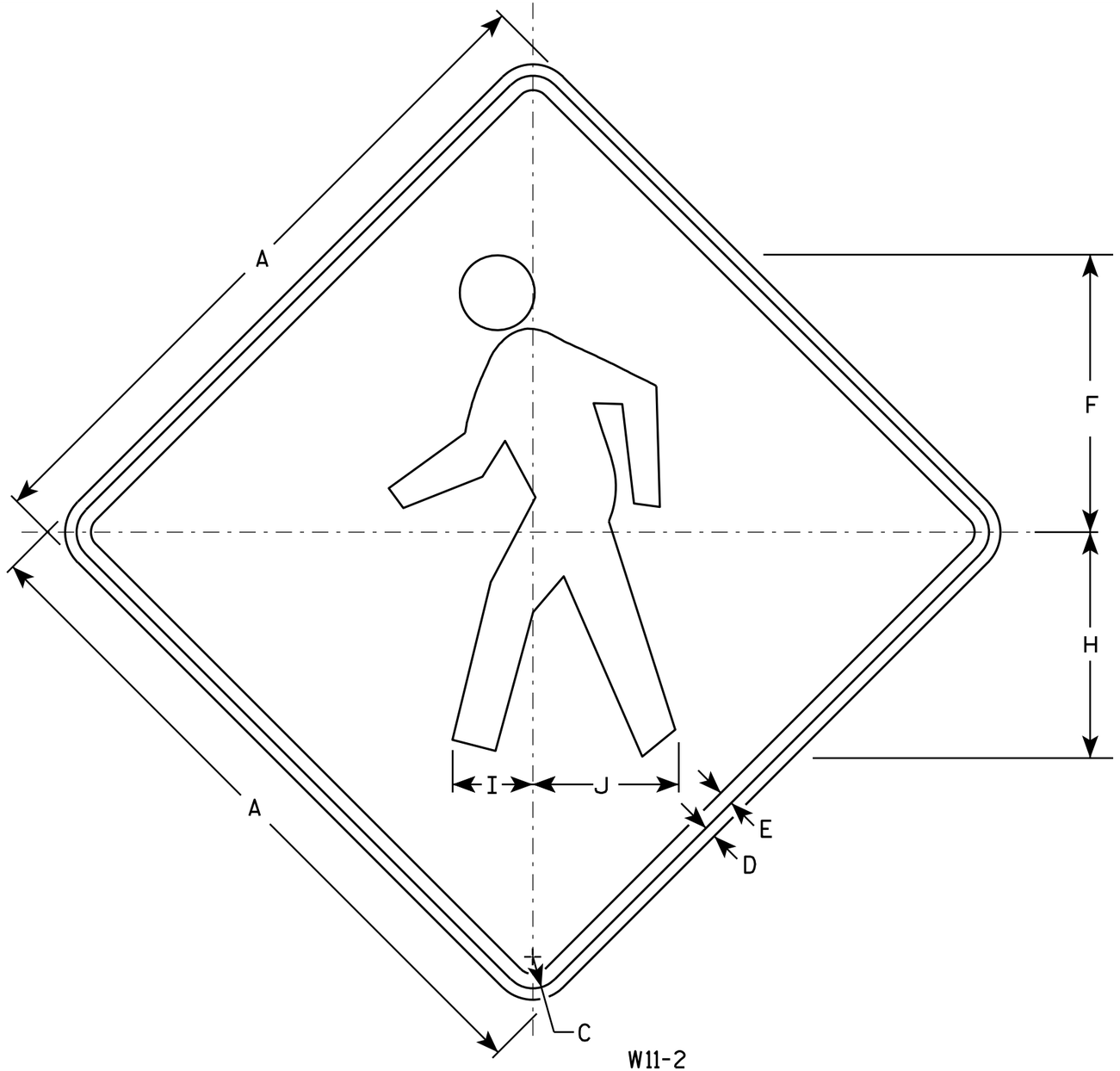
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 213 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

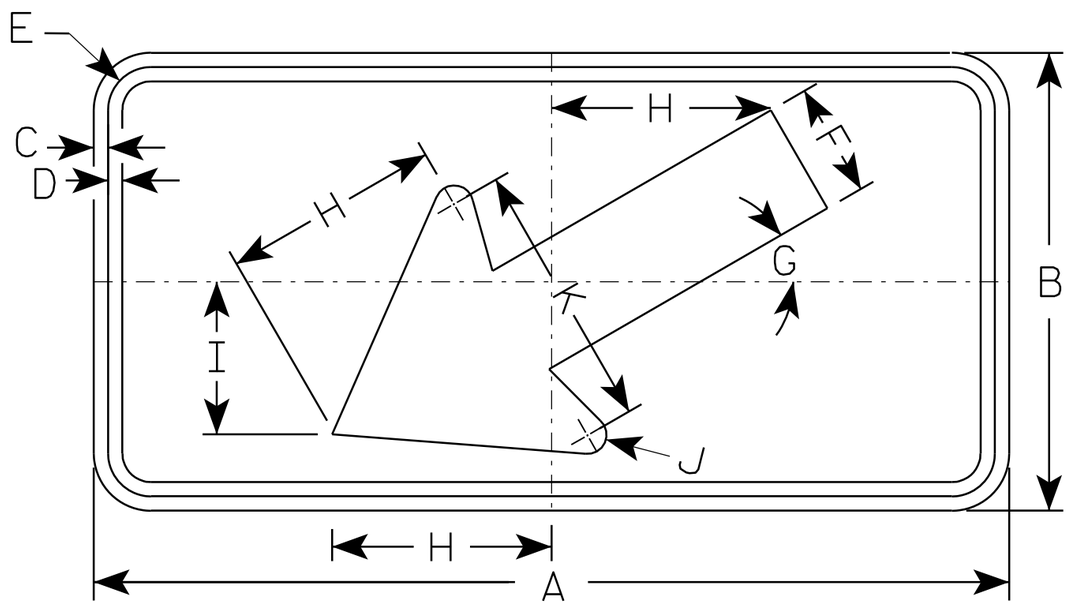
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 214	E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

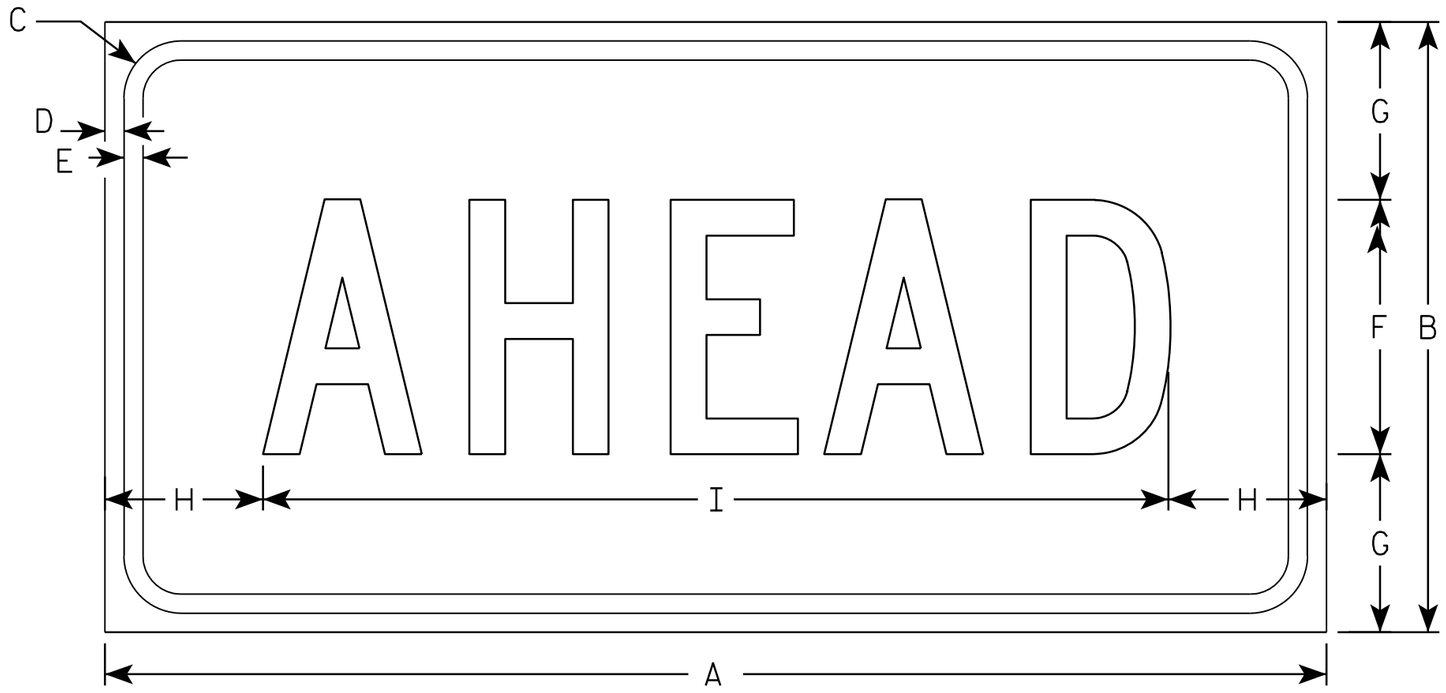
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 215	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

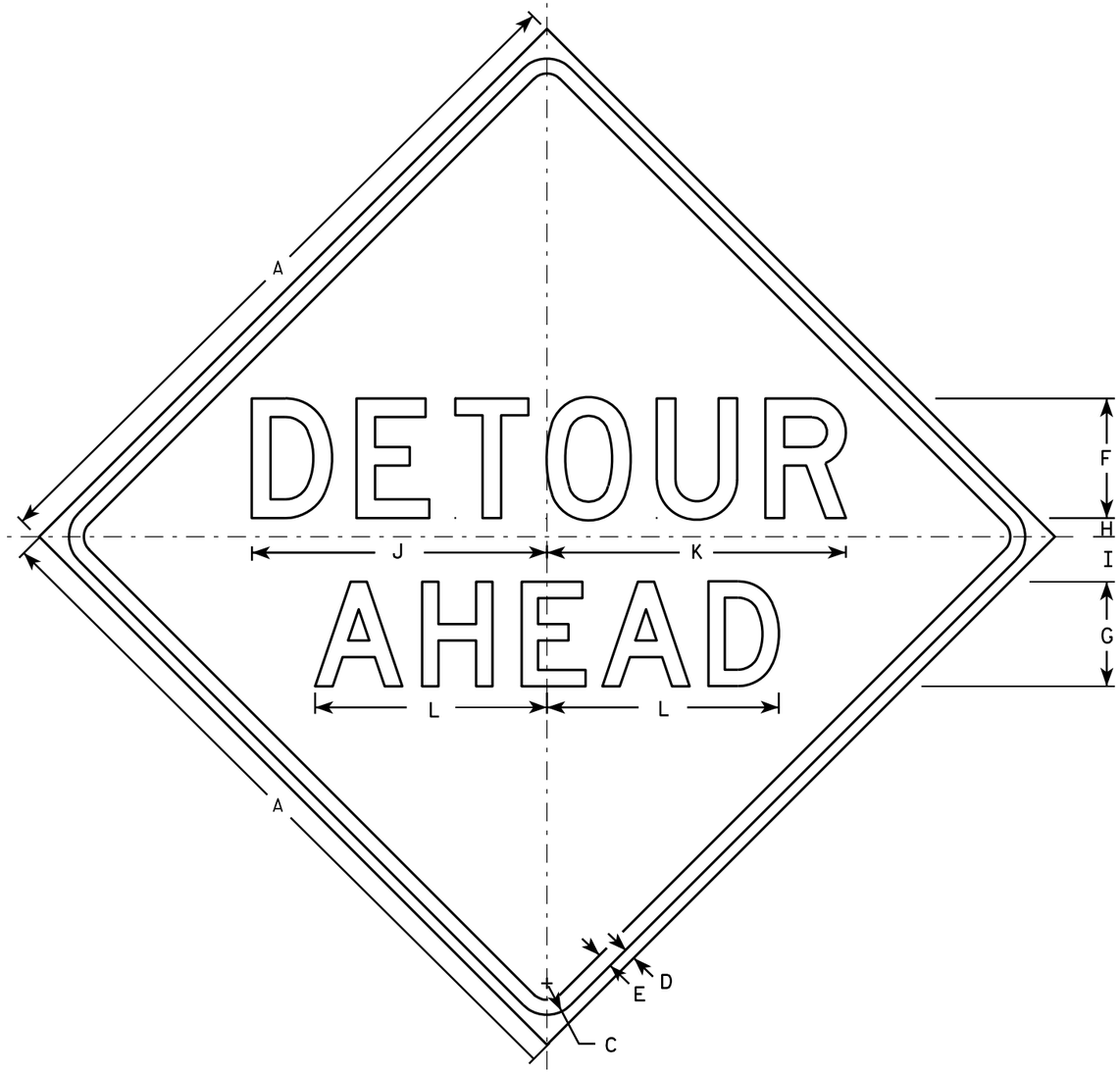
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

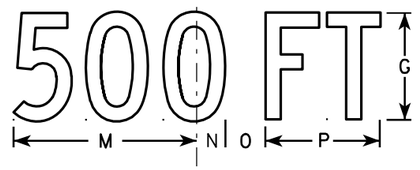
DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 216 | E

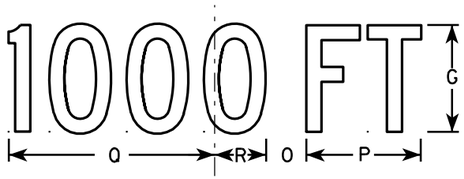
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



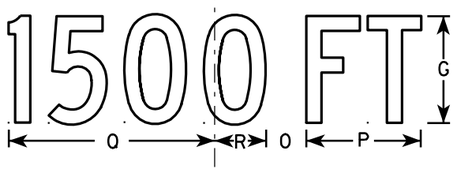
W20-2A



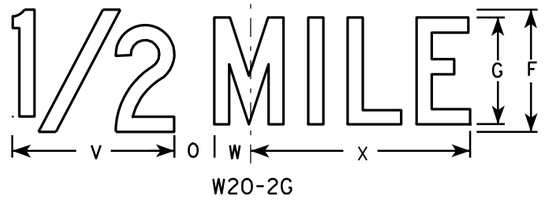
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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

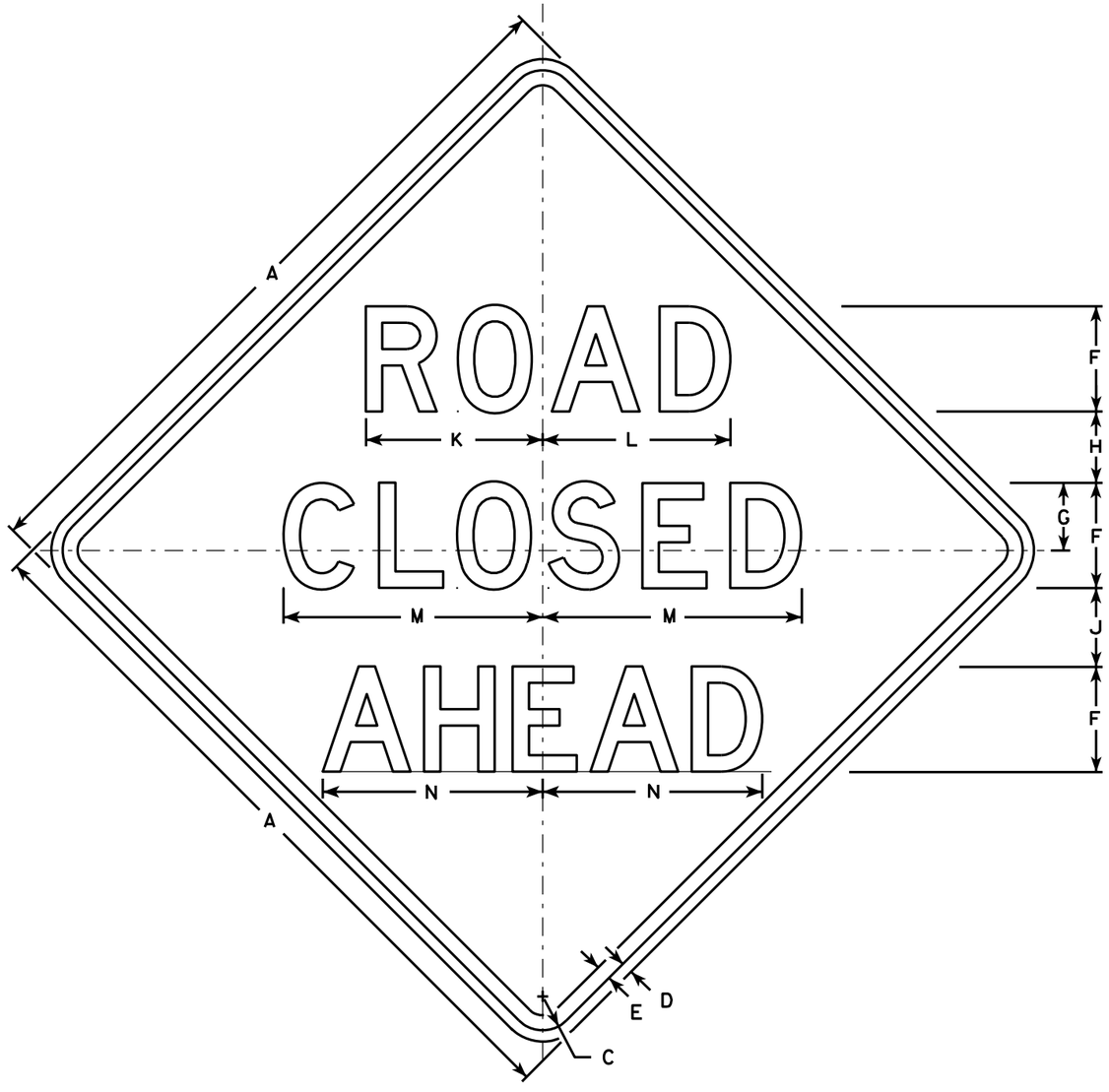
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

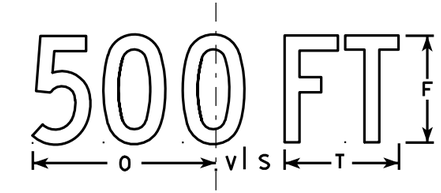
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

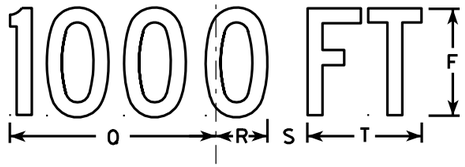
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 217 | E



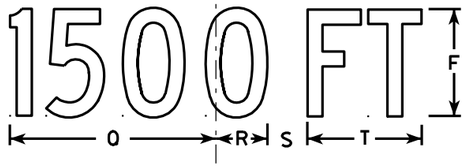
W20-3A



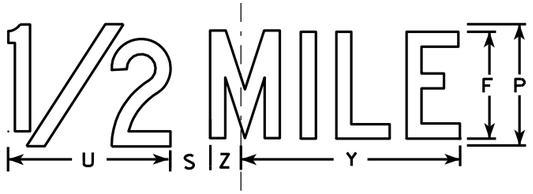
W20-3D



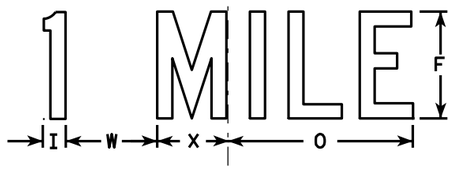
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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		1 5/8	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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

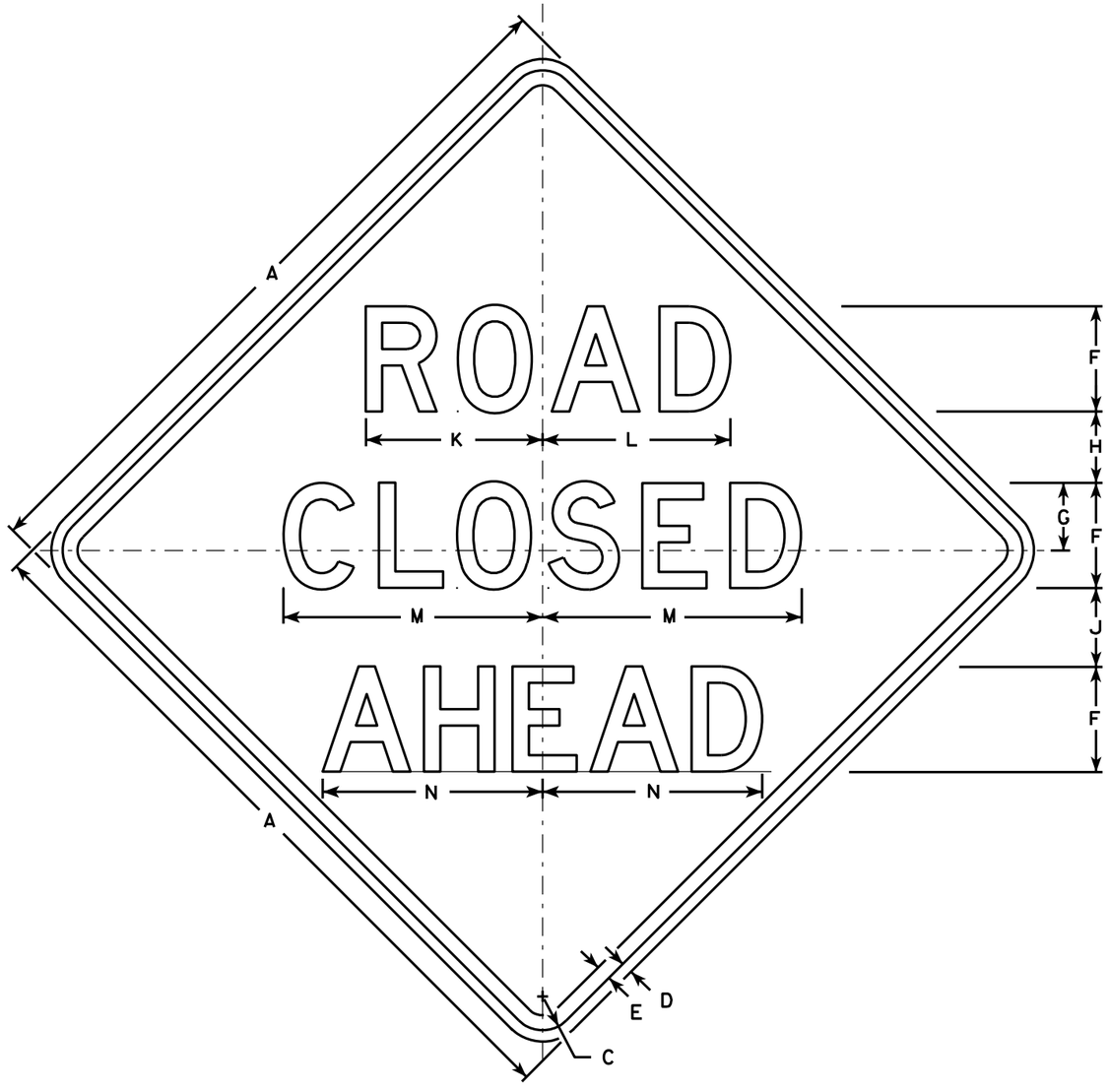
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

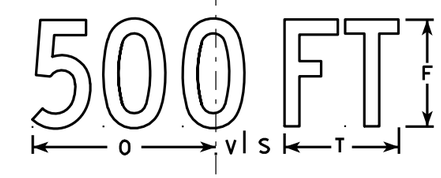
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 218 | E

7

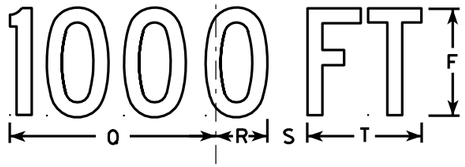
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



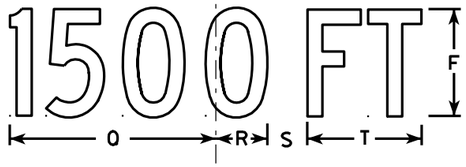
W20-3A



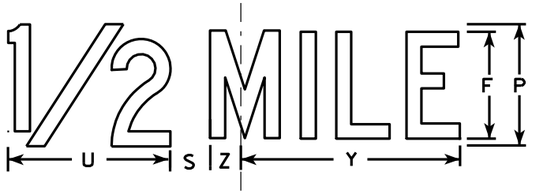
W20-3D



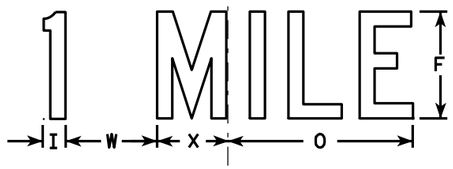
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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		1 5/8	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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		2 1/4	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 3/18/11 PLATE NO. W20-3.7

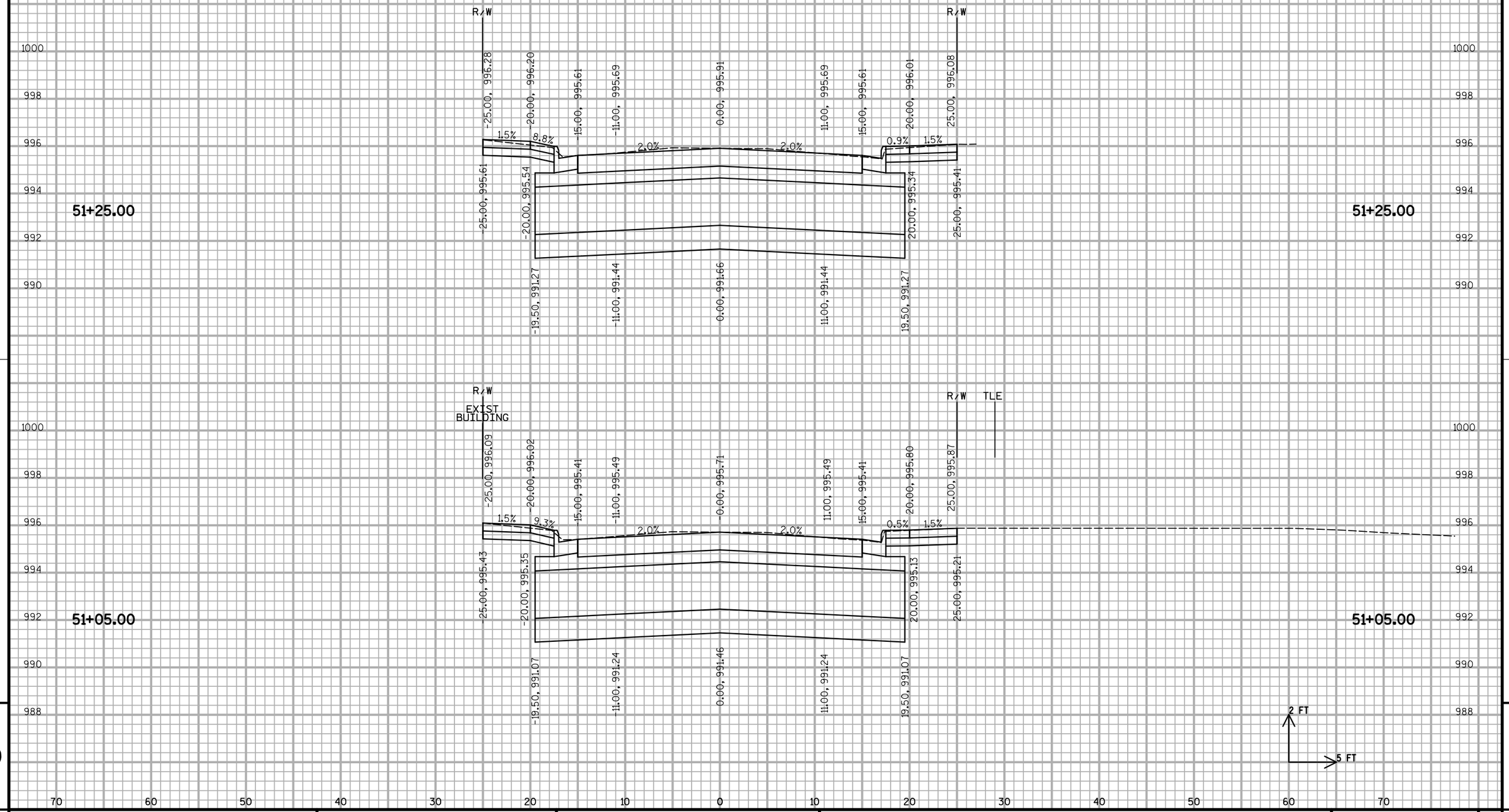
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 219 | E

E. GRAND AVE.		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
STATION	DISTANCE	CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.11
51+05.00		176	0	9	0	0	0	0	0
51+25.00	20	174	0	9	129	0	6	129	0
51+50.00	25	172	0	9	160	0	8	290	1
51+75.00	25	170	1	9	158	0	8	448	1
52+00.00	25	182	3	9	163	2	8	611	3
52+25.00	25	189	3	9	172	3	9	783	6
3RD ST.	---	---	---	---	299	0	15	1,083	6
52+50.00	25	192	5	10	176	4	9	1,259	10
52+75.00	25	189	9	9	177	7	9	1,436	17
52+99.99	25	189	9	9	175	8	9	1,611	27
53+00.00	0	43	0	2	0	0	0	1,611	27
53+25.00	25	40	1	2	38	0	2	1,650	27
53+50.00	25	38	0	2	36	0	2	1,685	27
53+75.00	25	73	3	4	51	1	3	1,737	29
54+00.00	25	81	3	4	71	3	4	1,808	32
54+25.00	25	84	2	4	77	2	4	1,884	35
54+50.00	25	85	2	4	78	2	4	1,963	36
54+75.00	25	86	2	4	79	2	4	2,042	38
55+00.00	25	89	1	4	81	1	4	2,123	40
55+25.00	25	90	0	5	83	1	4	2,206	41
55+50.00	25	91	1	5	84	0	4	2,290	41
55+75.00	25	63	0	3	71	0	4	2,361	41
56+00.00	25	43	0	2	49	0	2	2,410	41
4TH ST.	---	---	---	---	202	0	10	2,612	41
56+25.00	25	41	0	2	39	0	2	2,651	41
56+50.00	25	40	0	2	38	0	2	2,689	41
56+75.00	25	80	2	4	56	1	3	2,744	42
57+00.00	25	74	2	4	71	2	4	2,815	44
57+25.00	25	76	3	4	69	2	3	2,885	47
57+50.00	25	86	0	4	75	1	4	2,960	48
57+52.00	2	85	1	4	6	0	0	2,966	48
57+65.00	13	101	3	5	45	1	2	3,011	49
57+75.00	10	102	2	5	38	1	2	3,048	51
58+00.00	25	78	3	4	84	2	4	3,132	53
58+25.00	25	78	4	4	72	3	4	3,204	57
58+50.00	25	78	2	4	72	3	4	3,276	60
58+75.00	25	71	0	4	69	1	3	3,345	61
59+00.00	25	76	5	4	68	2	3	3,413	64
59+25.00	25	79	3	4	72	4	4	3,485	68
59+50.00	25	68	11	3	68	7	3	3,553	75
59+75.00	25	76	5	4	67	7	3	3,620	83
60+00.00	25	79	4	4	72	4	4	3,692	88
60+25.00	25	90	0	5	78	2	4	3,770	90
60+30.00	5	90	0	5	17	0	1	3,787	90
60+50.00	20	77	3	4	62	1	3	3,849	91
60+75.00	25	78	3	4	72	3	4	3,921	94
61+00.00	25	78	2	4	72	2	4	3,993	97
61+25.00	25	83	2	4	75	2	4	4,067	99
61+50.00	25	62	7	3	67	4	3	4,135	104
61+75.00	25	51	3	3	52	5	3	4,187	109
GARFIELD ST.	---	---	---	---	88	0	5	4,275	109
62+00.00	25	56	1	3	49	2	2	4,325	111
62+25.00	25	55	1	3	51	1	3	4,376	111
62+48.00	23	99	1	5	66	1	3	4,442	112
62+50.00	2	100	1	5	7	0	0	4,449	112
62+75.00	25	82	1	4	84	1	4	4,533	113
63+00.00	25	86	1	4	77	1	4	4,611	114
63+25.00	25	82	1	4	78	1	4	4,689	115
63+50.00	25	79	2	4	75	1	4	4,763	117
63+75.00	25	77	3	4	72	2	4	4,836	119
64+00.00	25	73	4	4	69	3	3	4,905	123
64+25.00	25	71	4	4	67	3	3	4,972	127
64+50.00	25	71	3	4	65	3	3	5,037	130
64+75.00	75	73	3	4	200	8	10	5,237	139
65+00.00	25	74	4	4	68	3	3	5,305	142

E. GRAND AVE.		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)	
STATION	DISTANCE	CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 3	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.11
65+25.00	25	74	3	4	69	3	3	5,374	146
65+50.00	25	37	0	2	51	2	3	5,425	148
65+75.00	25	36	0	2	34	0	2	5,459	148
66+00.00	25	34	0	2	33	0	2	5,492	148
66+25.00	25	34	0	2	32	0	2	5,523	148
66+50.00	25	63	6	3	45	3	2	5,569	151
66+53.00	3	63	6	3	7	1	0	5,576	152
66+75.00	22	67	5	3	53	5	3	5,629	157
67+00.00	25	71	4	4	64	4	3	5,692	162
67+25.00	25	81	1	4	70	2	4	5,763	165
67+27.00	2	81	1	4	6	0	0	5,769	165
67+50.00	23	71	2	4	65	1	3	5,833	166
67+57.00	7	77	1	4	19	0	1	5,853	167
67+75.00	25	78	0	4	72	0	4	5,924	167
67+91.00	16	73	2	4	45	1	2	5,969	168
E JACKSON / LINCOLN ST.	---	---	---	---	923	0	46	6,892	168
68+00.00	9	72	2	4	24	1	1	6,916	169
68+25.00	25	66	3	3	64	2	3	6,980	171
68+50.00	25	63	5	3	60	4	3	7,040	175
68+75.00	25	40	0	2	48	3	2	7,088	178
6TH ST.	---	---	---	---	184	0	9	7,272	178
69+00.00	25	46	0	2	40	0	2	7,311	178
69+25.00	25	52	0	3	45	0	2	7,357	178
69+50.00	25	112	0	6	76	0	4	7,433	178
69+54.00	4	113	0	6	17	0	1	7,450	178
69+75.00	21	117	0	6	89	0	4	7,539	178
70+00.00	25	87	1	4	94	0	5	7,633	179
70+14.00	14	117	0	6	53	0	3	7,686	179
70+20.00	6	115	0	6	26	0	1	7,712	179
70+25.00	5	113	0	6	21	0	1	7,733	179
70+50.00	25	70	3	3	84	1	4	7,818	180
70+75.00	25	76	1	4	67	2	3	7,885	182
71+00.00	25	69	1	3	67	1	3	7,952	183
71+25.00	25	73	0	4	66	1	3	8,018	184
71+30.00	5	73	0	4	14	0	1	8,031	184
71+50.00	20	63	2	3	50	1	3	8,082	185
71+75.00	25	39	0	2	47	1	2	8,129	186
7TH ST.	---	---	---	---	127	0	6	8,256	186
72+00.00	25	42	0	2	38	0	2	8,293	186
72+25.00	25	45	0	2	40	0	2	8,334	186
72+50.00	25	71	2	4	53	1	3	8,387	187
72+65.00	15	73	2	4	40	1	2	8,427	188
72+75.00	10	76	2	4	28	1	1	8,454	189
73+00.00	25	82	1	4	73	1	4	8,528	190
73+06.00	6	82	1	4	18	0	1	8,546	190
73+25.00	19	79	1	4	57	1	3	8,603	191
73+50.00	25	82	1	4	74	1	4	8,677	191
73+75.00	25	104	1	5	86	1	4	8,763	192
74+00.00	25	106	1	5	97	1	5	8,860	193
74+16.67	17	106	1	5	66	0	3	8,926	193
			COLUMN TOTALS		8,926	174	446		

NOTES:

1) CUT: CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL
2) SALVAGED/UNUSABLE PAVEMENT MATERIAL: THIS IS NOT SHOWN IN THE CROSS SECTIONS
3) FILL: FILL DOES NOT INCLUDE SALVAGED/UNUSABLE PAVEMENT MATERIAL
4) MASS ORDINATE: MASS ORDINATE = (CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)

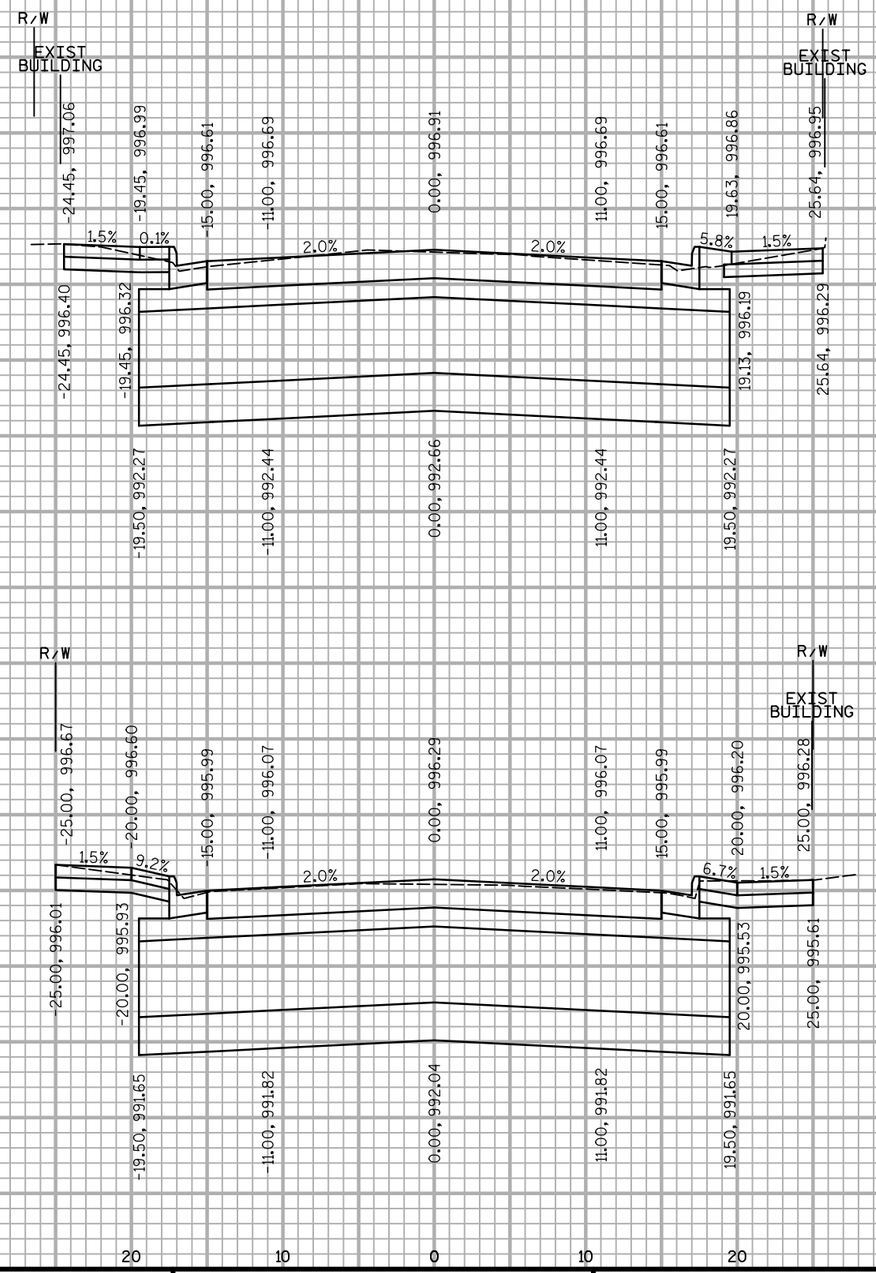


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 221	E

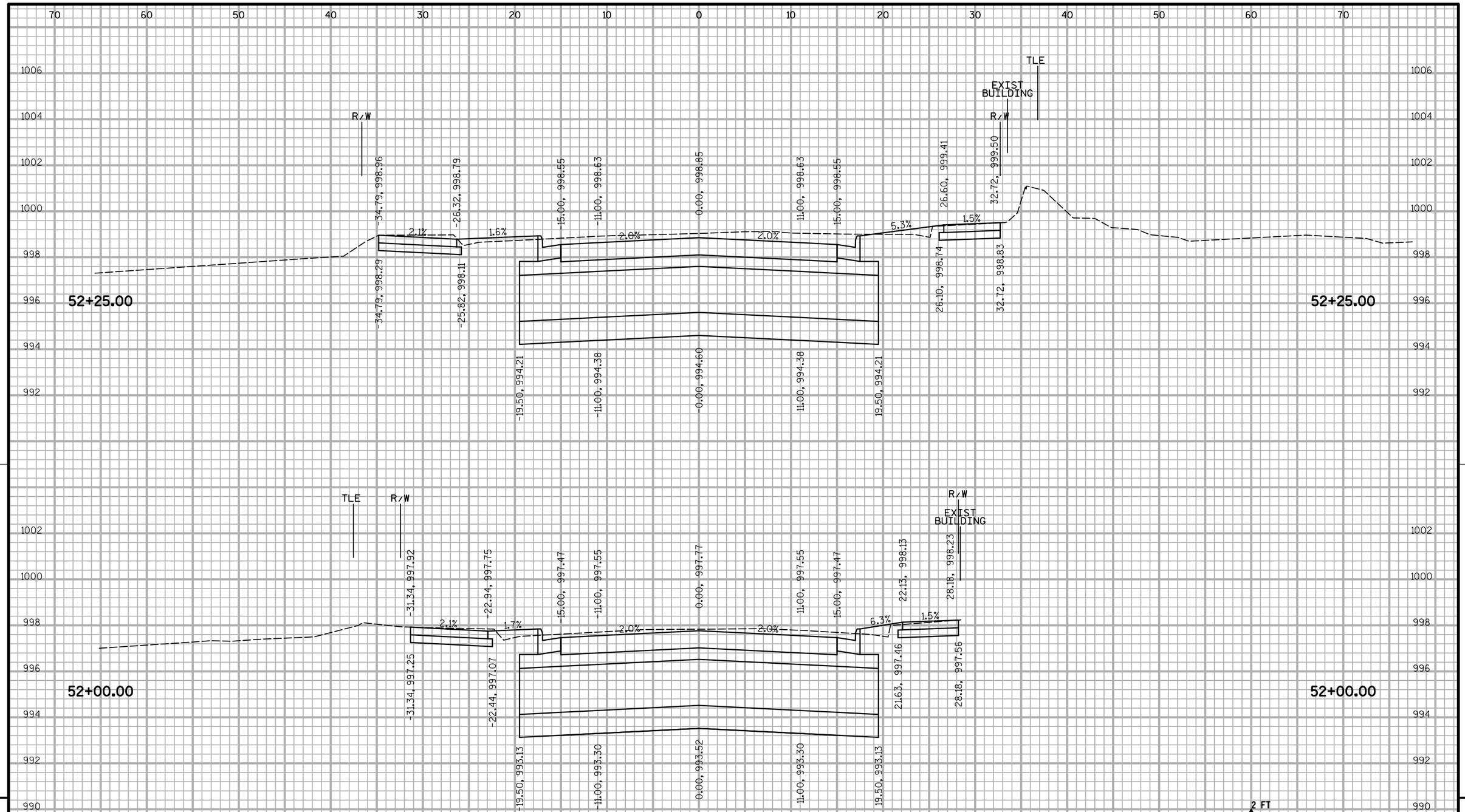
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21



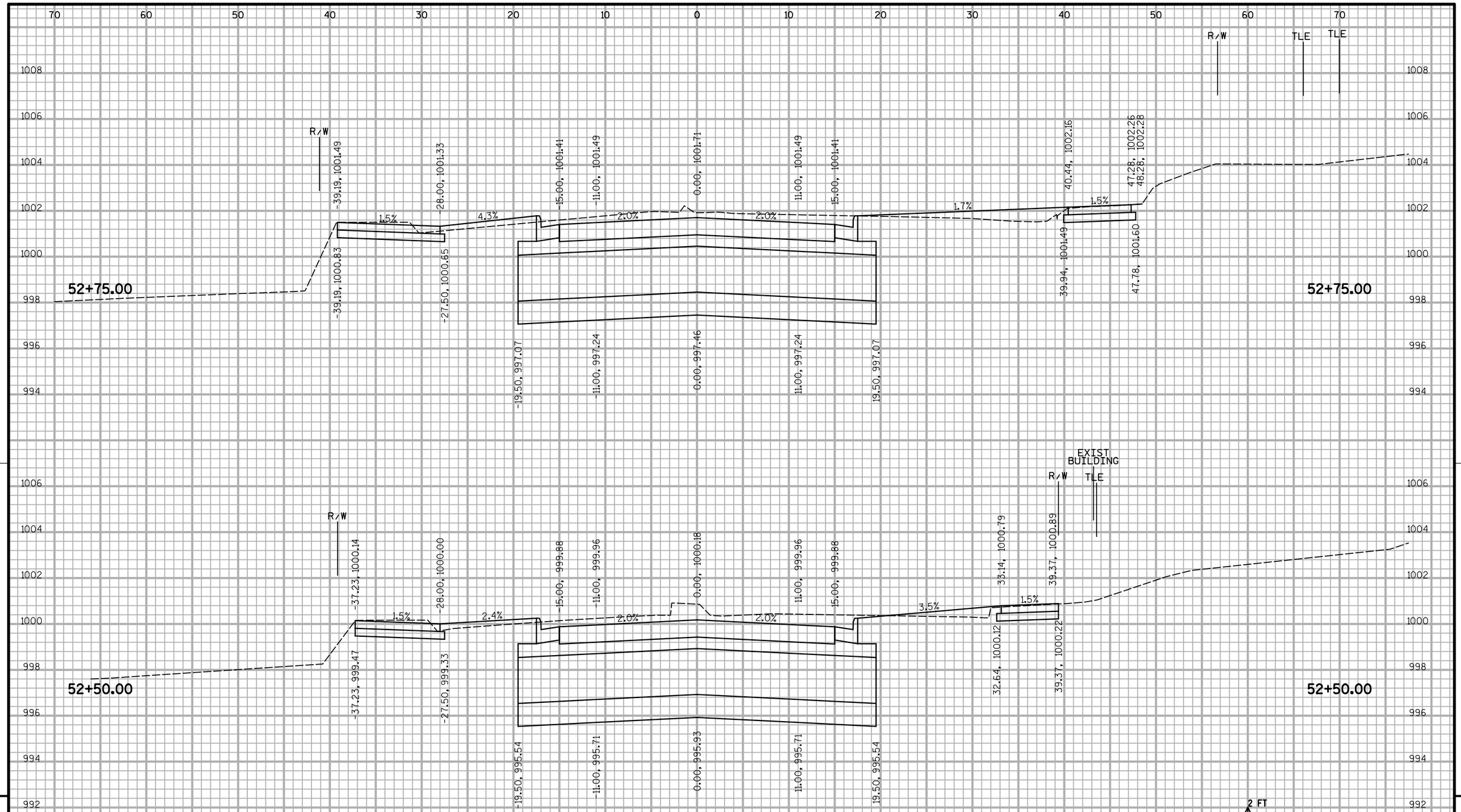
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 223	E

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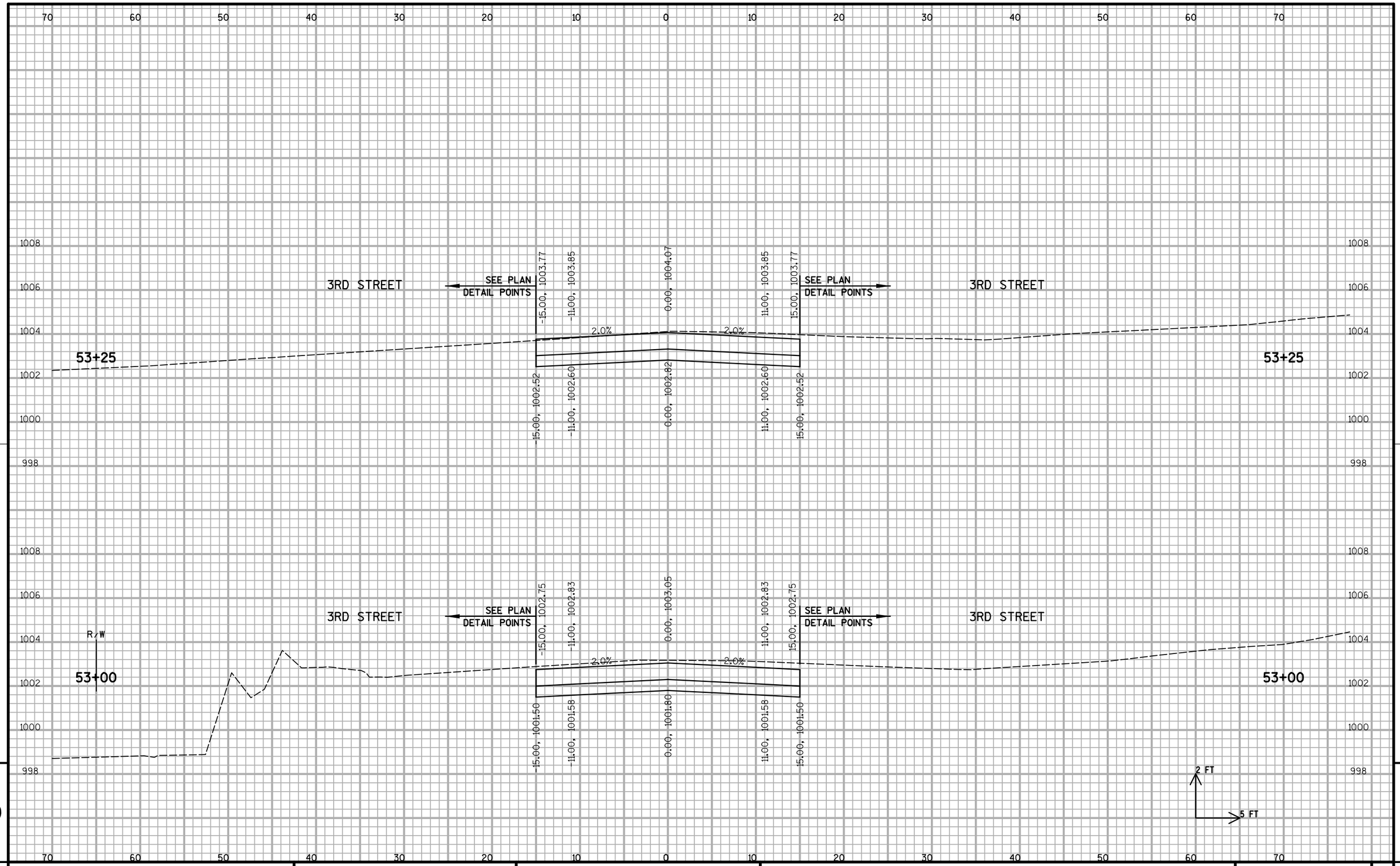
WISDOT/CADDS SHEET 21



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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 224	E

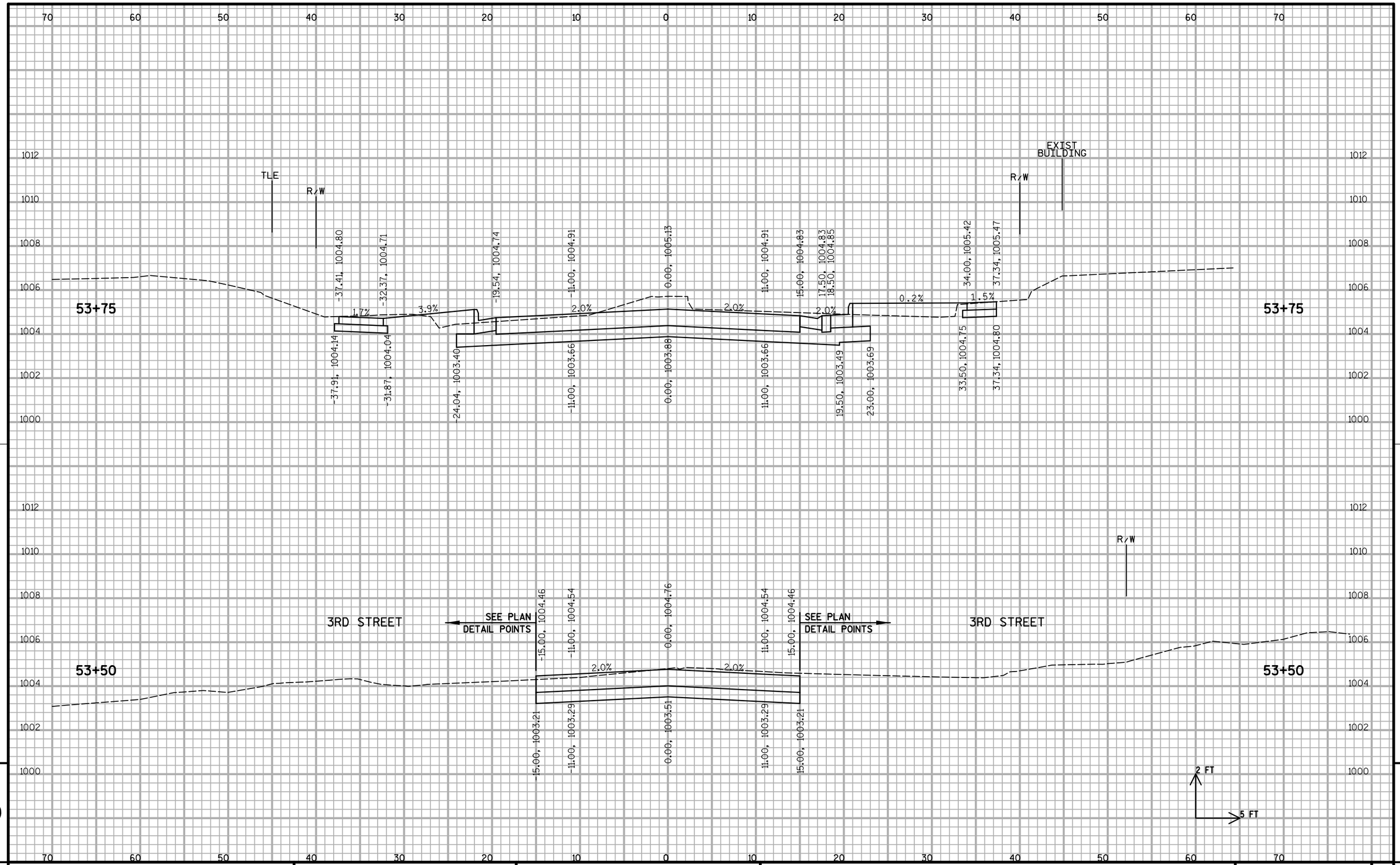


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 225	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

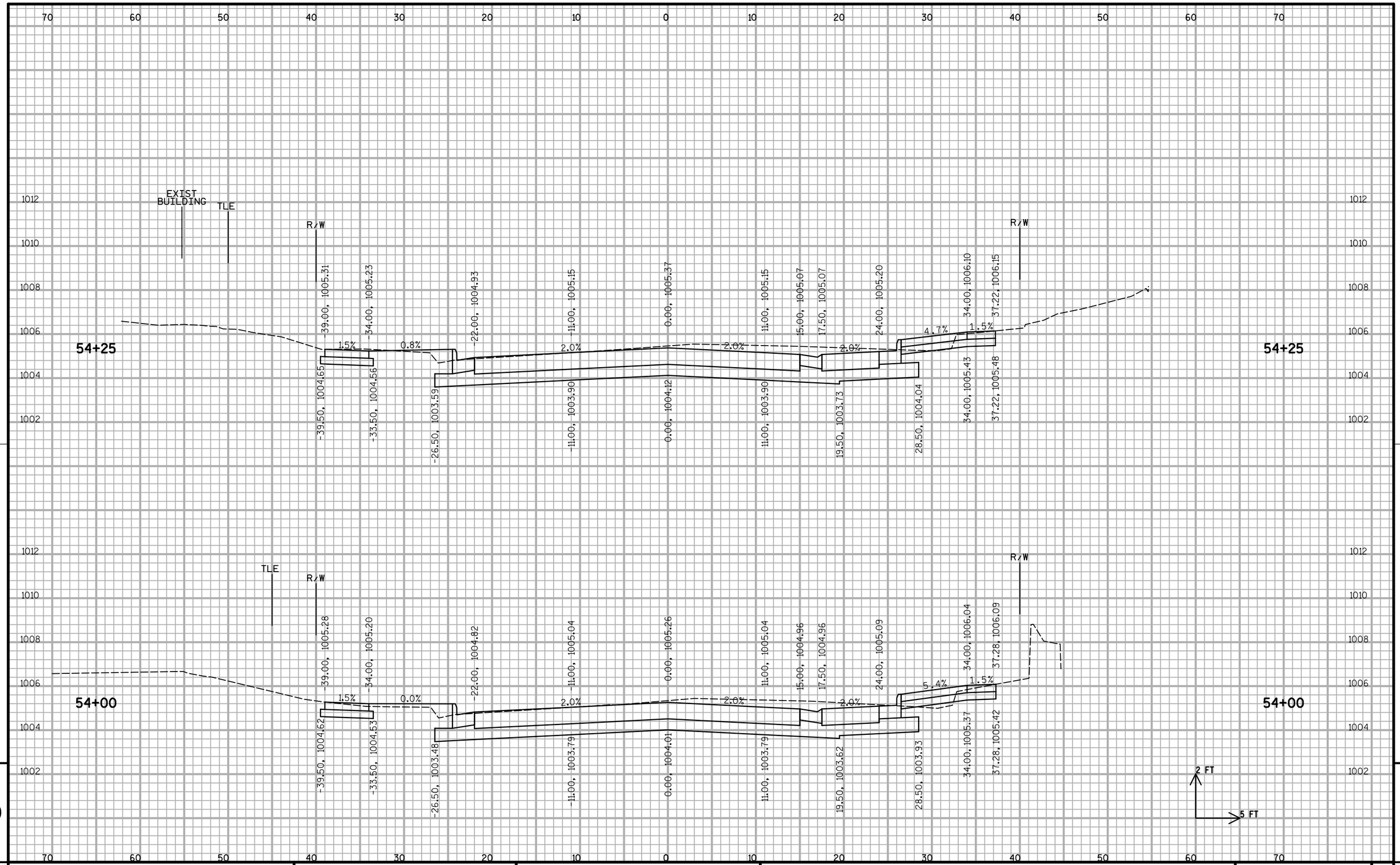


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

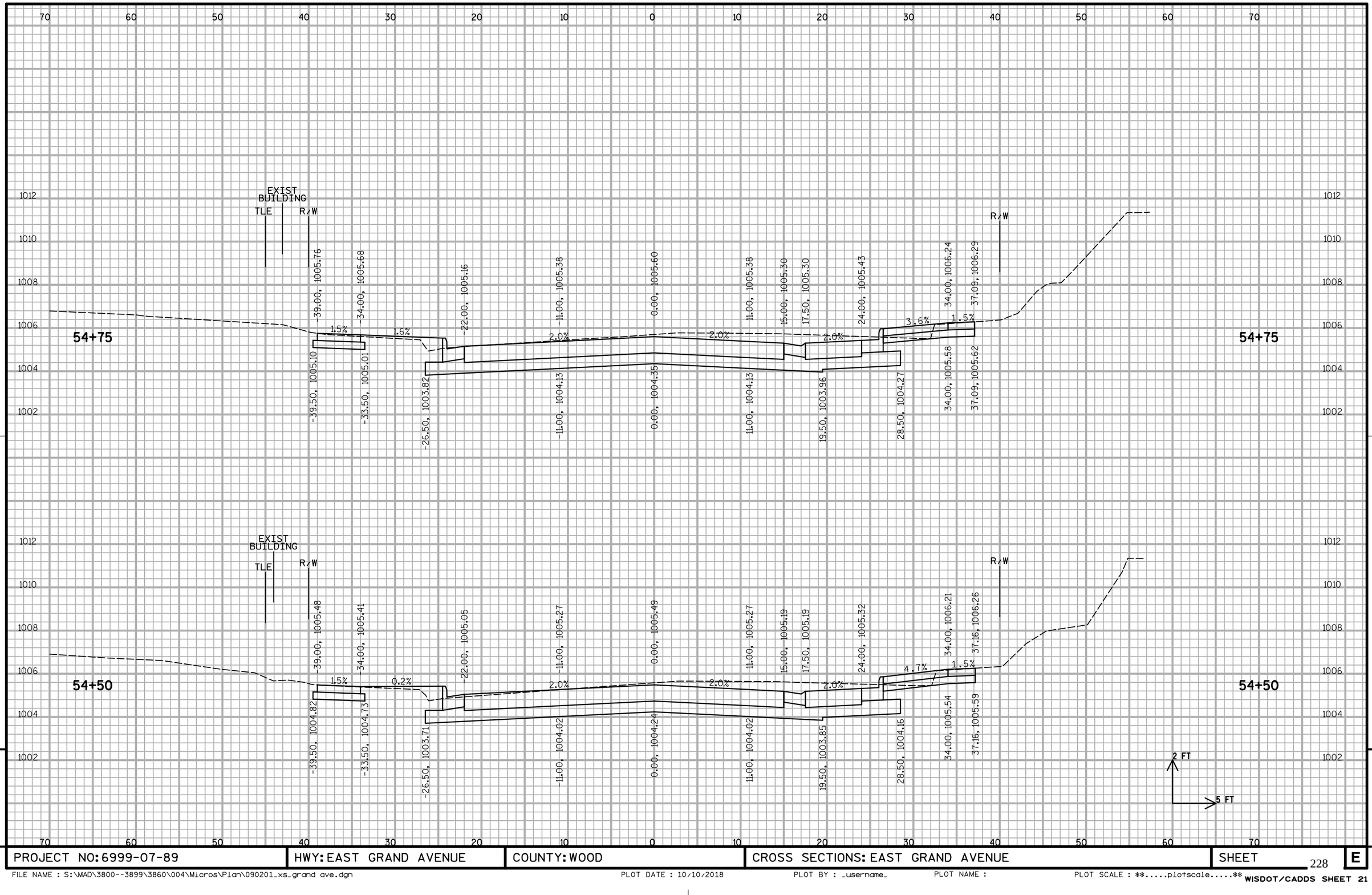
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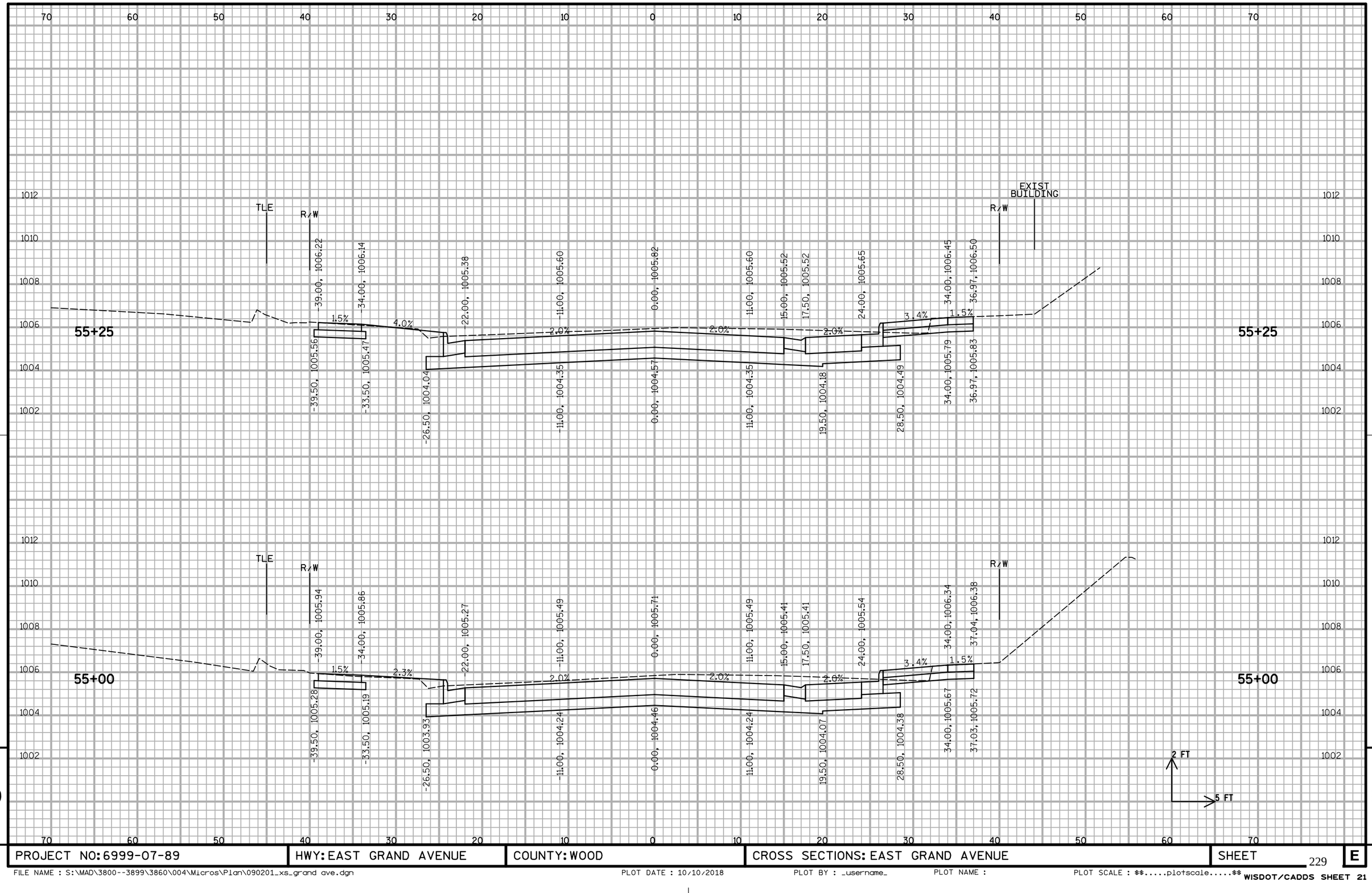
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 227	E



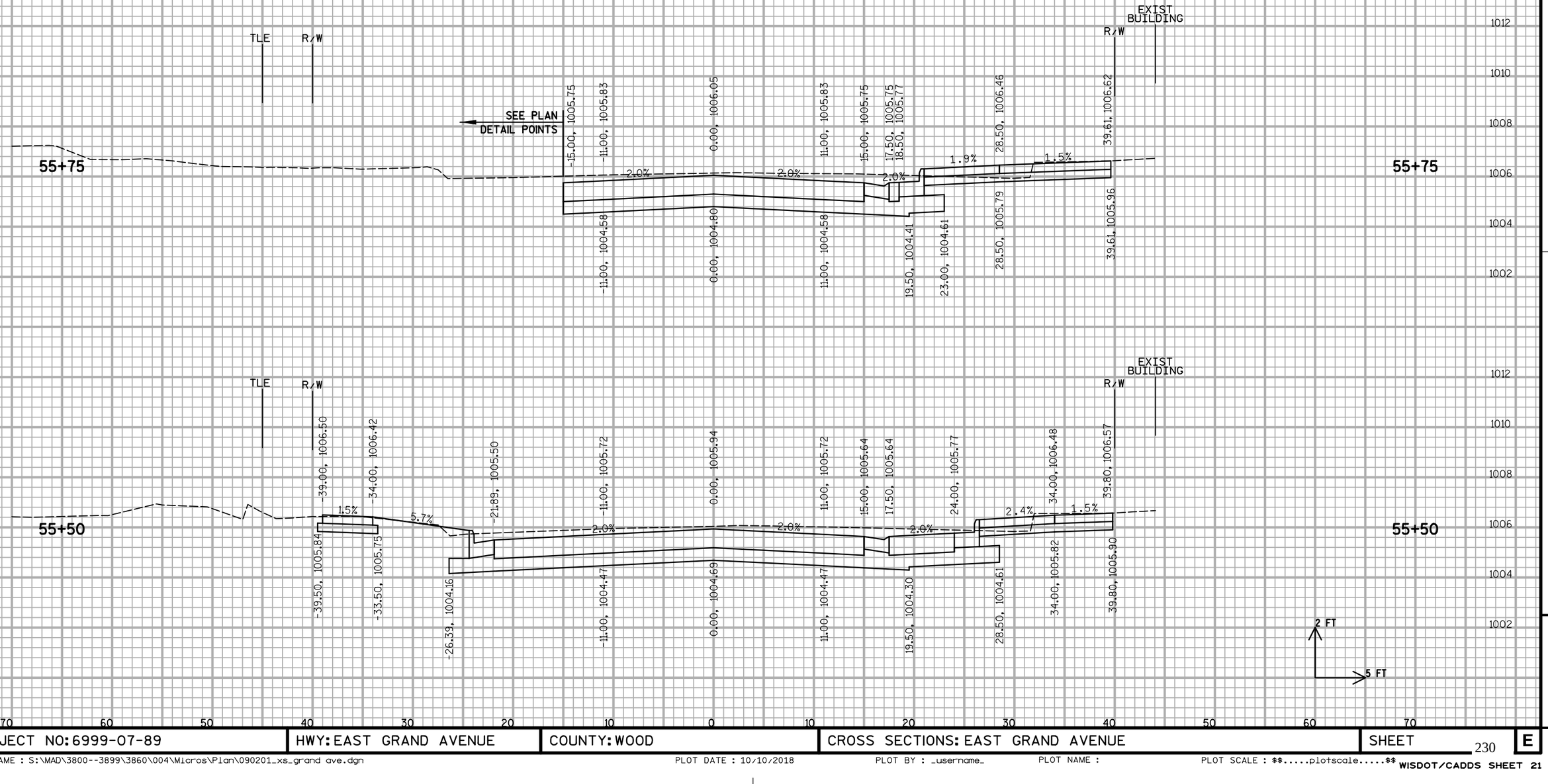
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

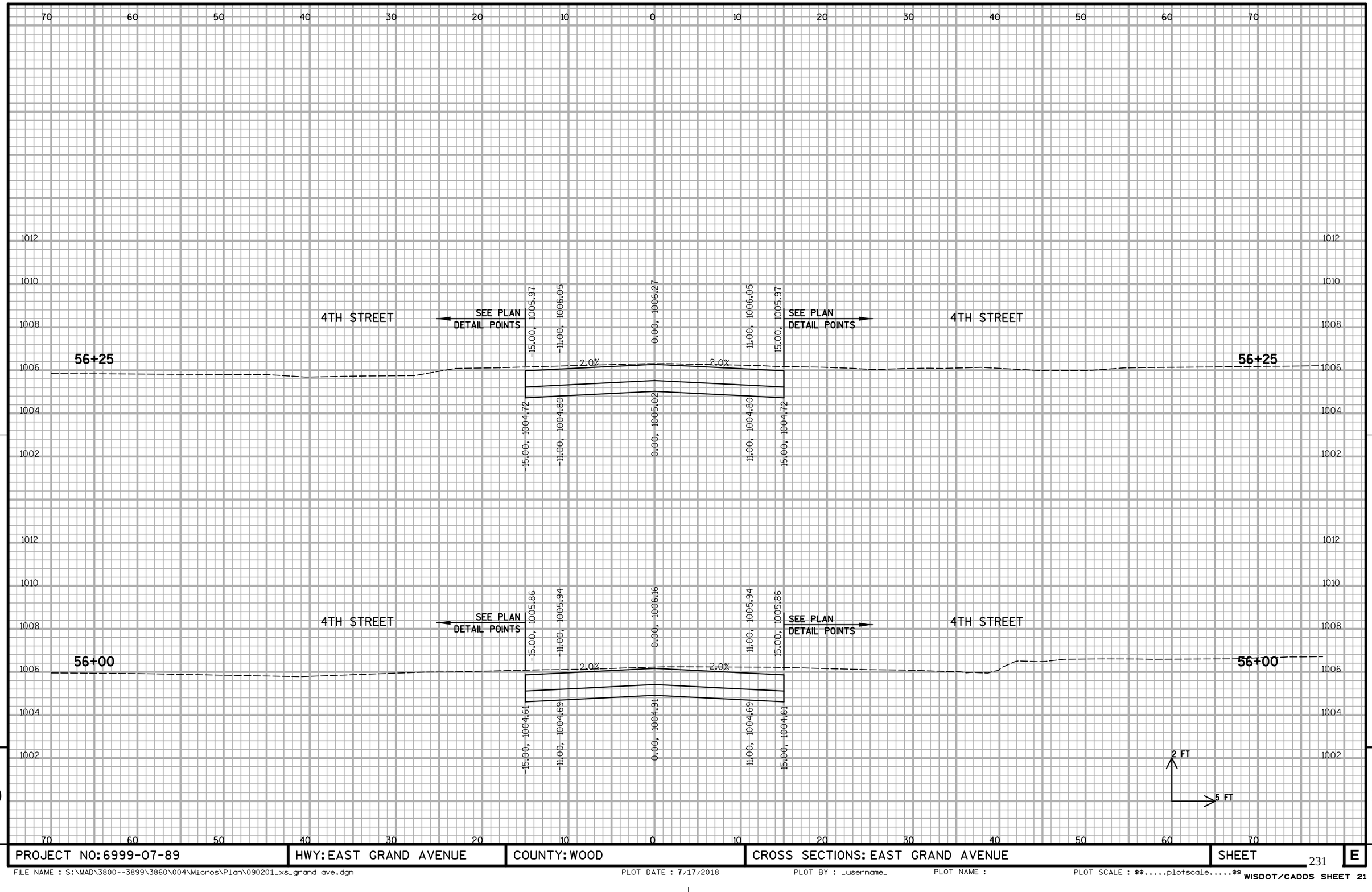
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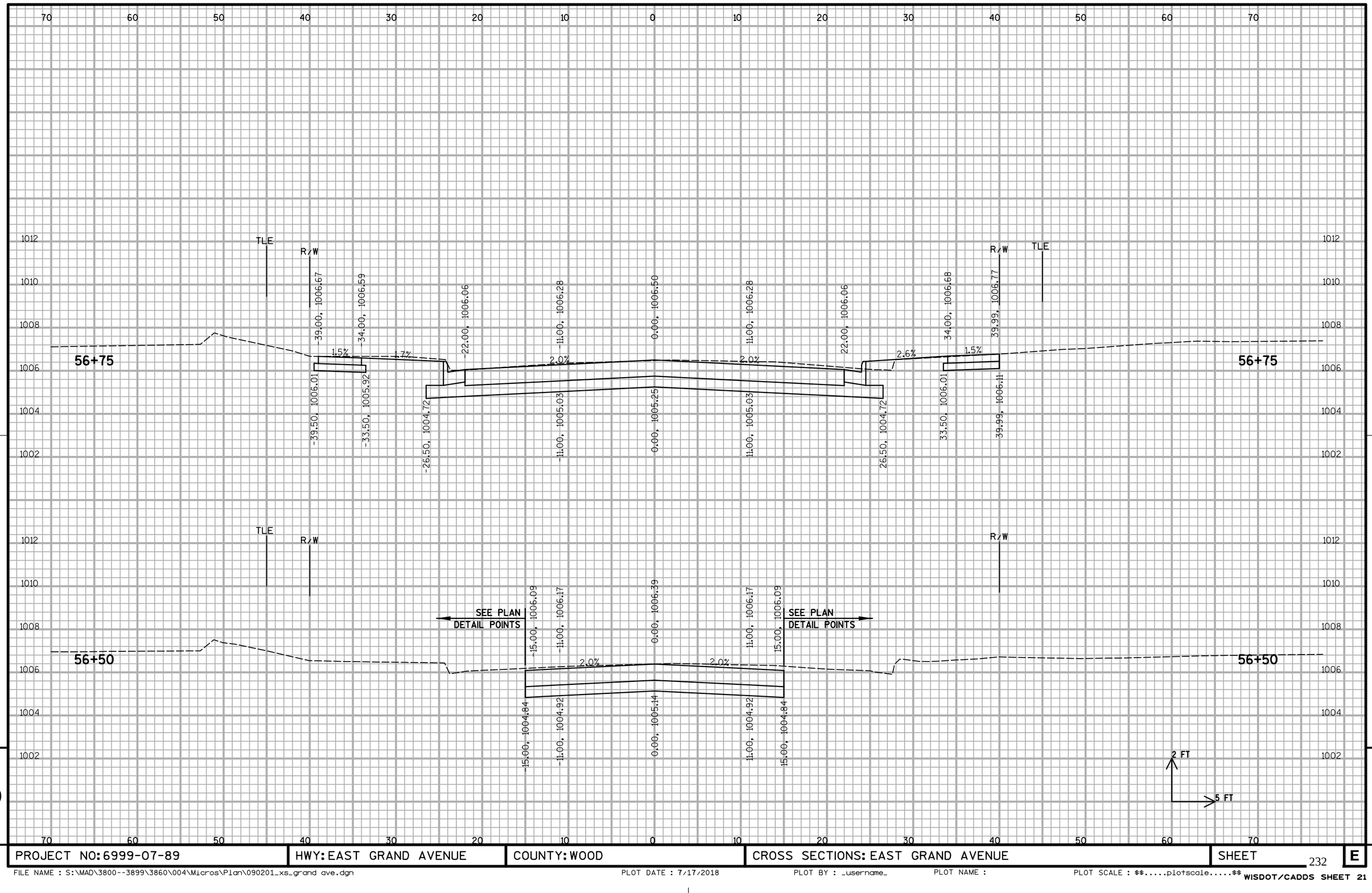
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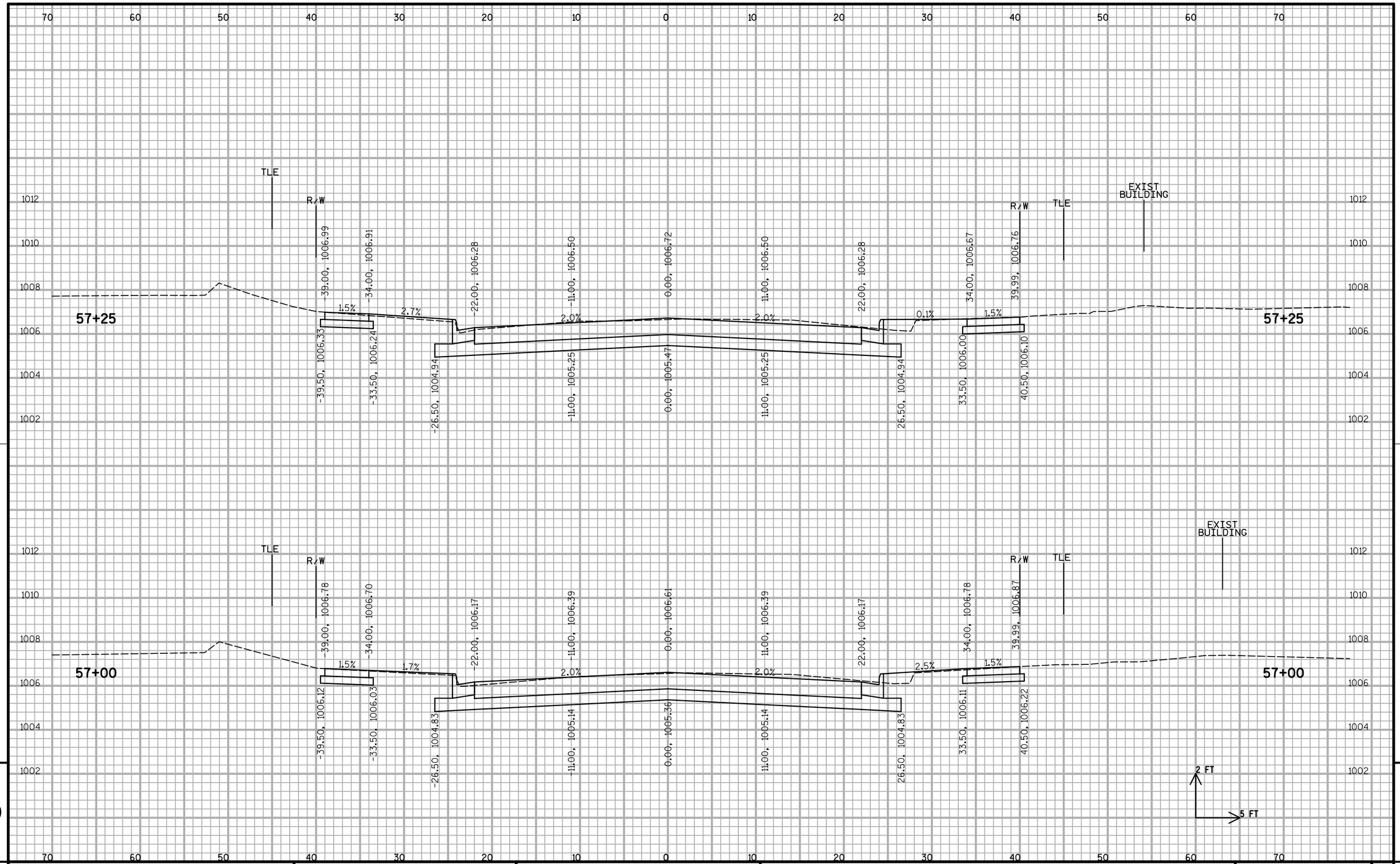
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 231	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

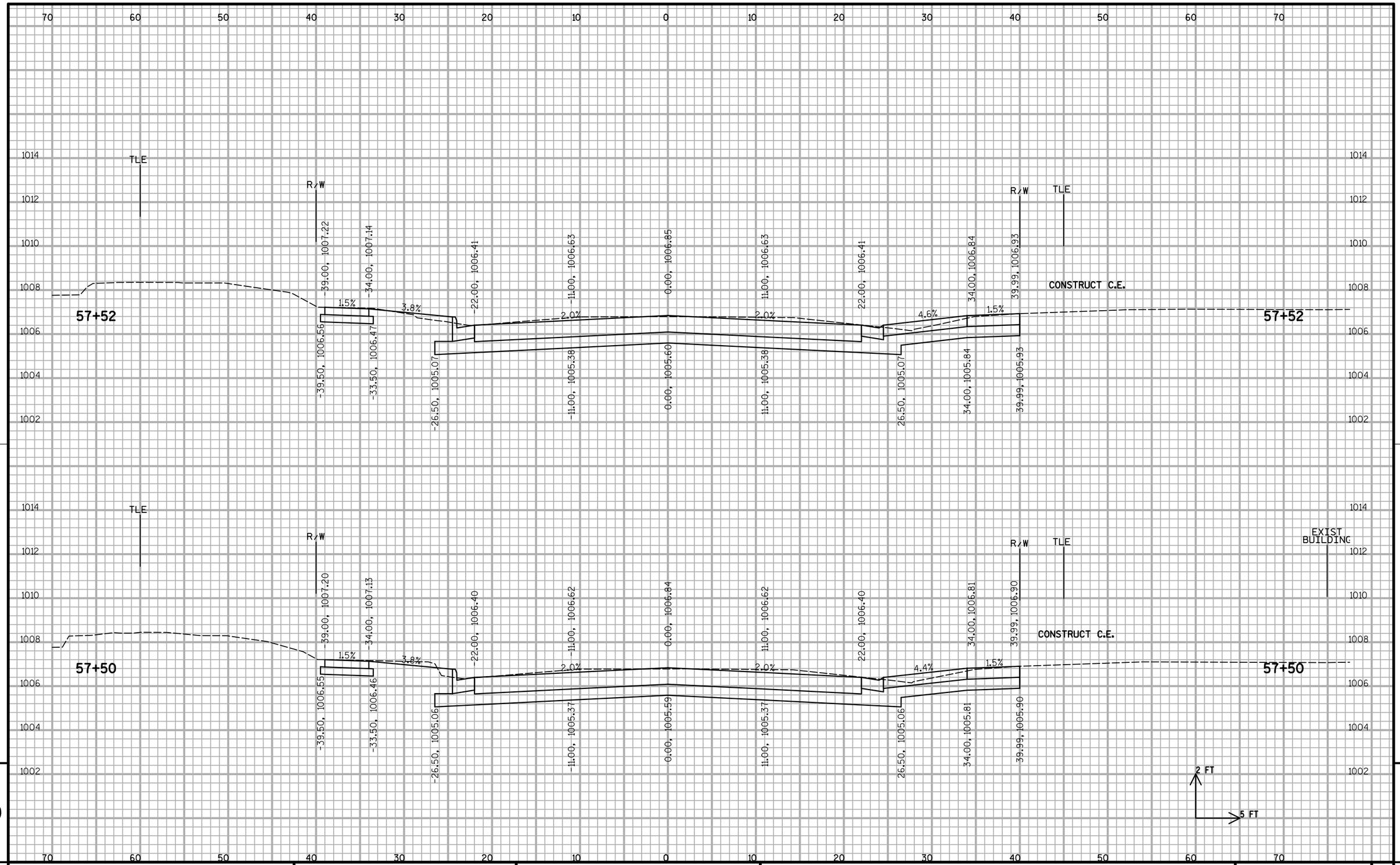


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

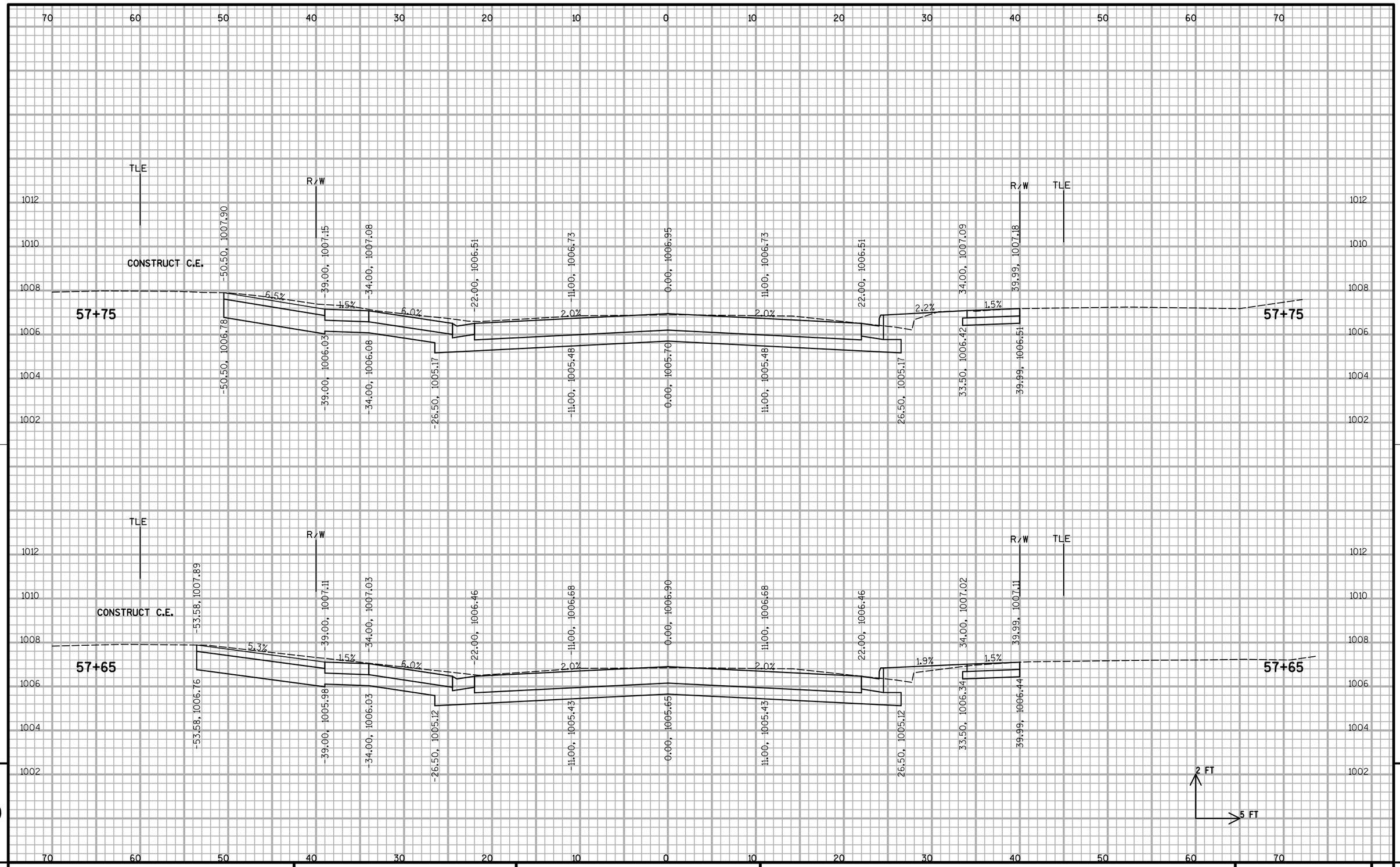
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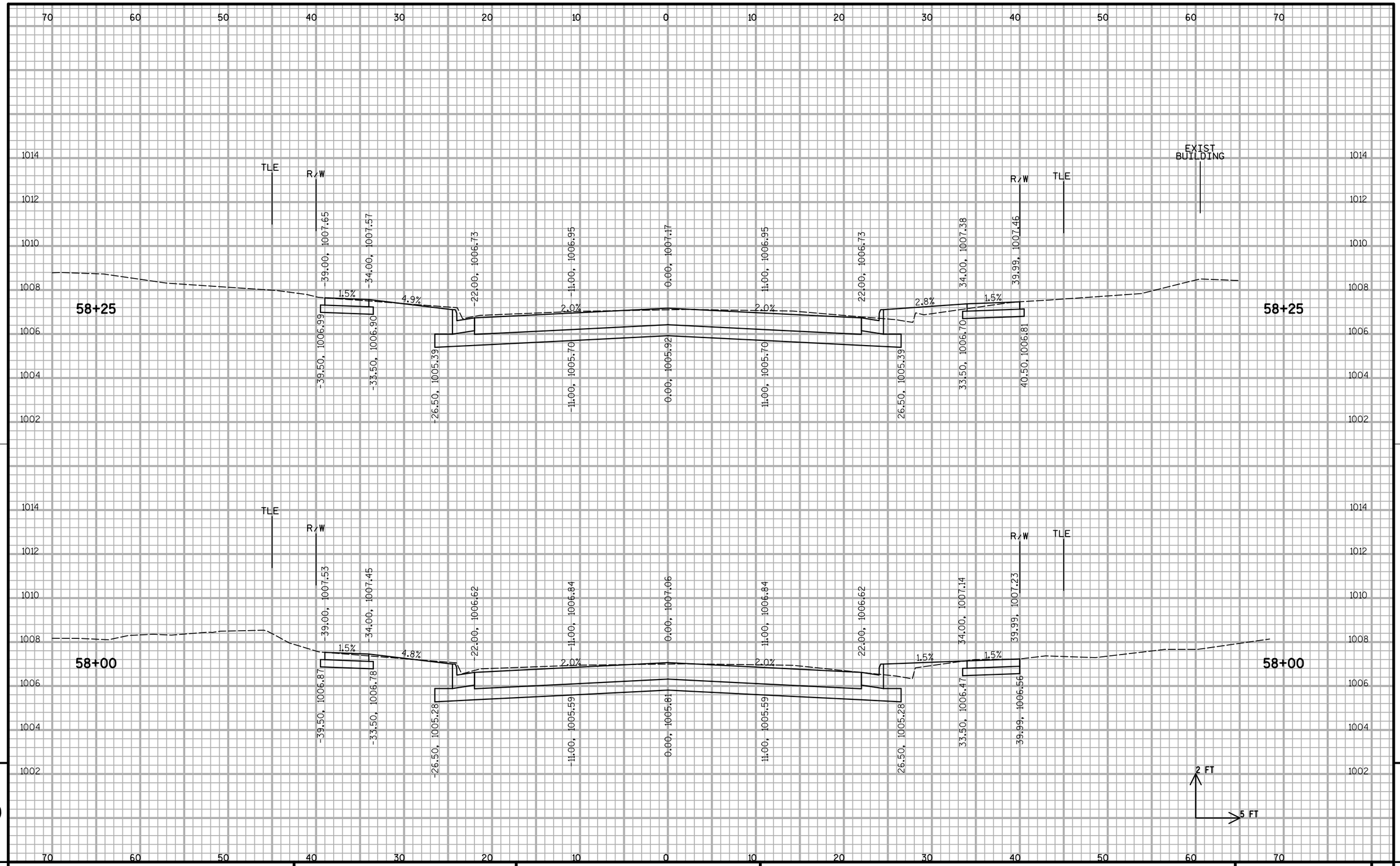
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 234	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

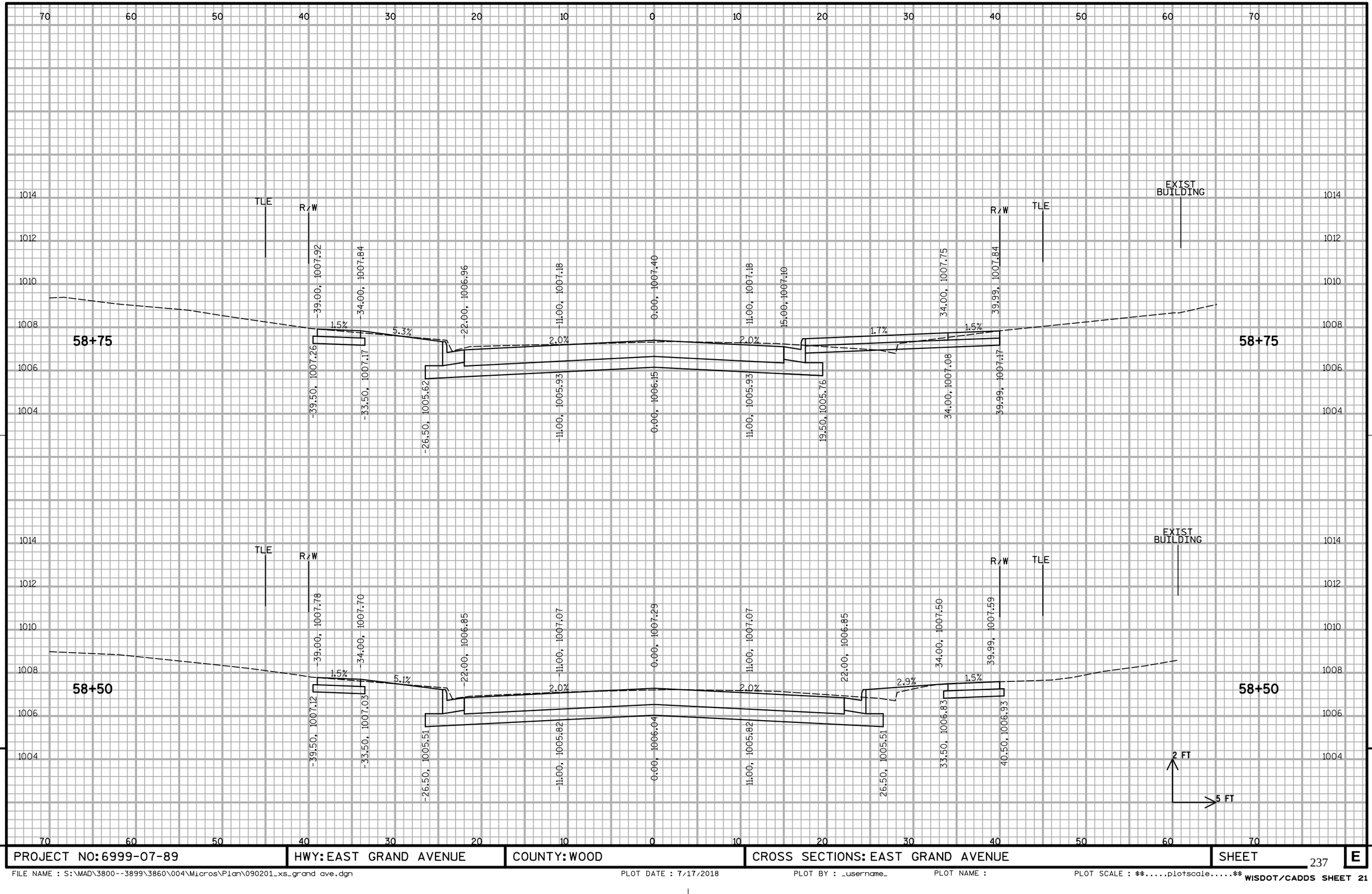


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



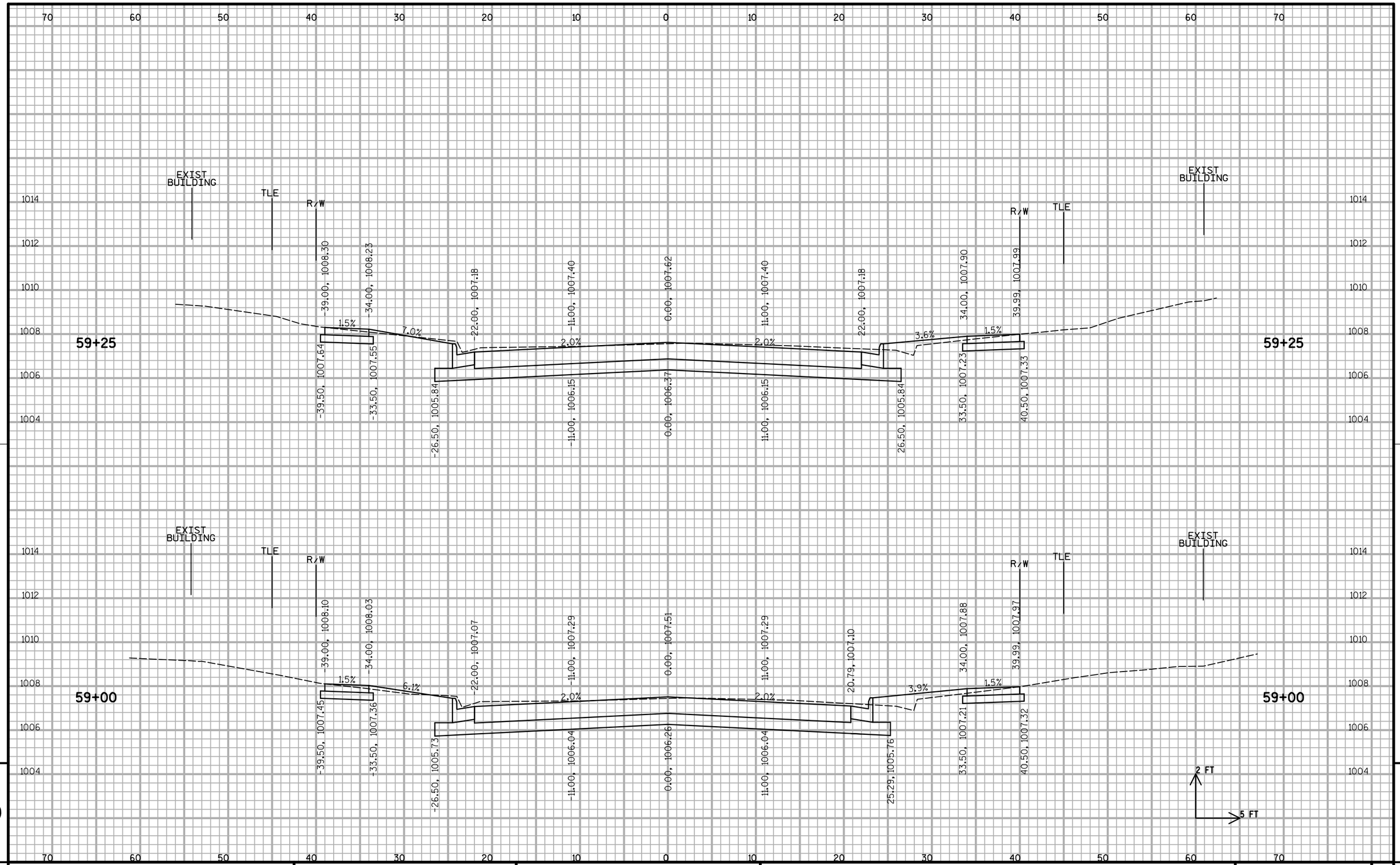
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 237	E

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WISDOT/CADDS SHEET 21

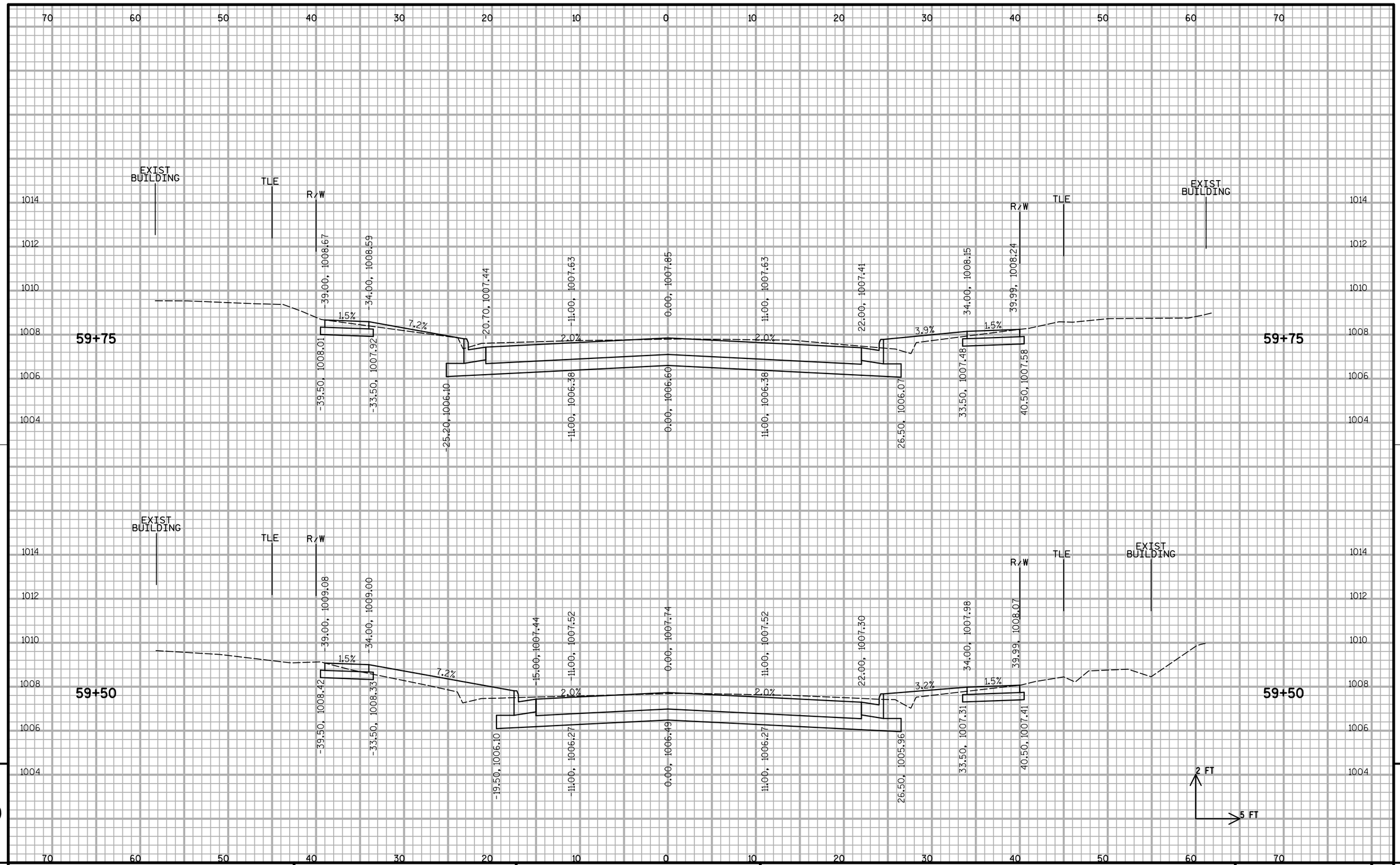


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

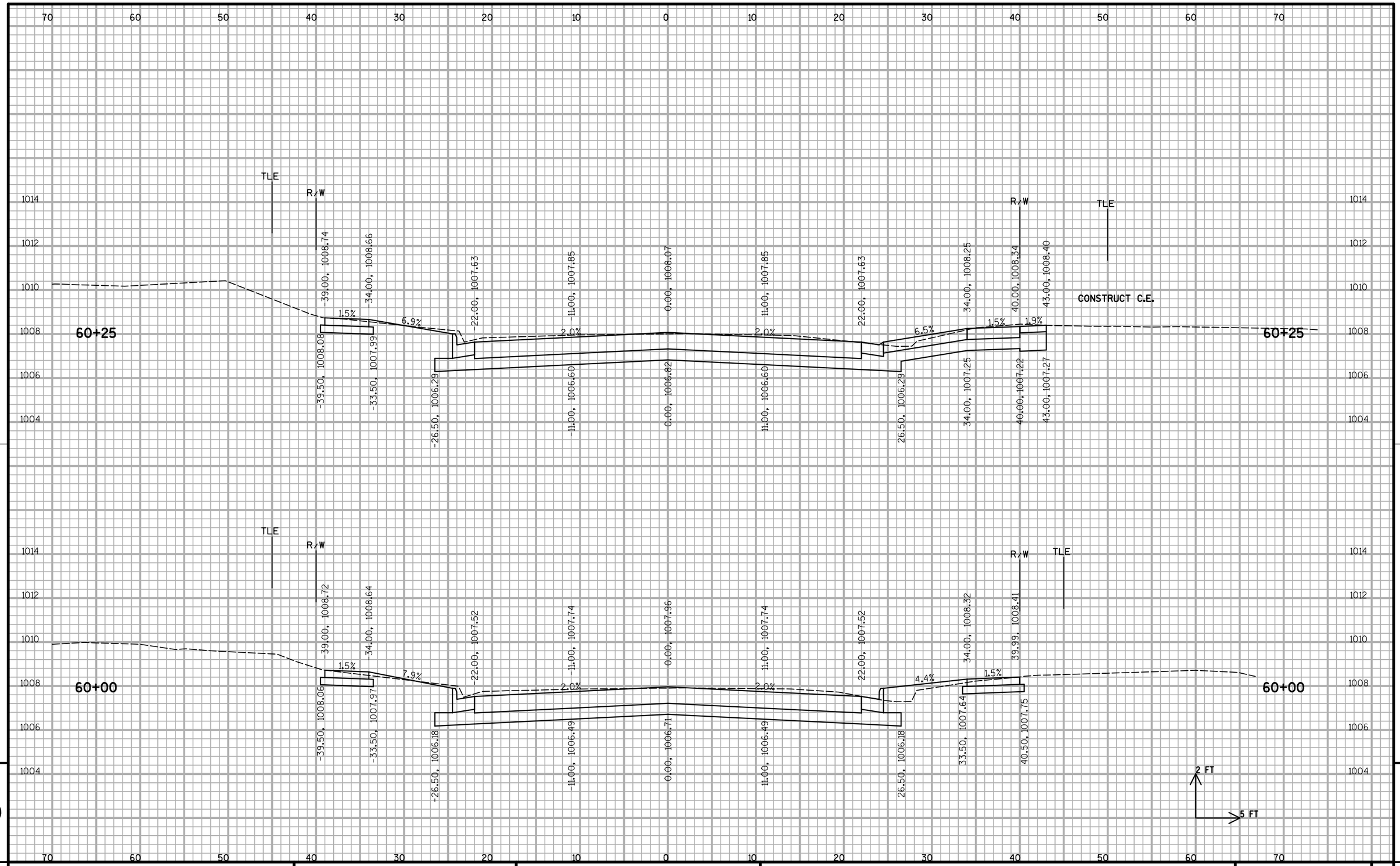
FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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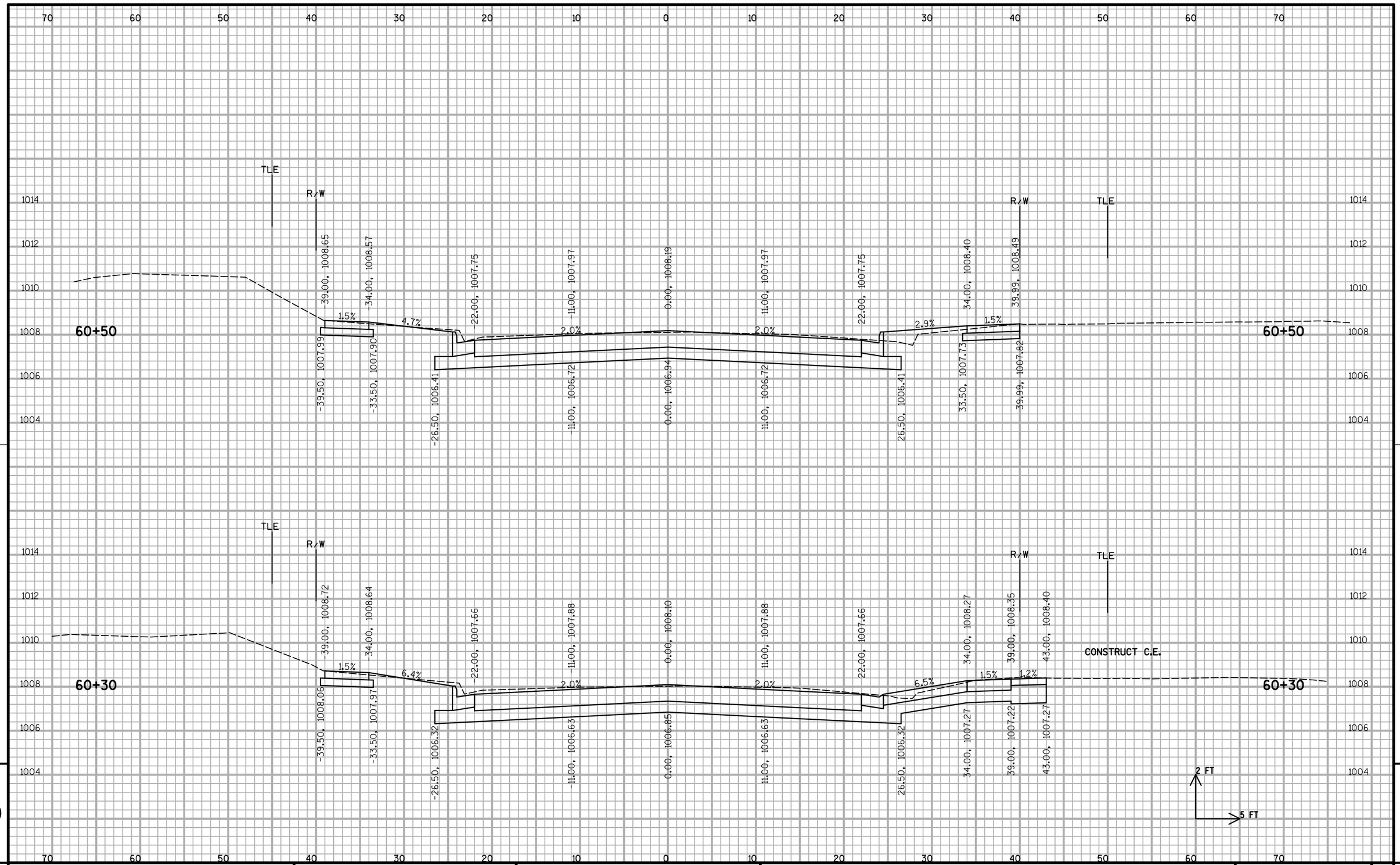
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 239	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 240	E

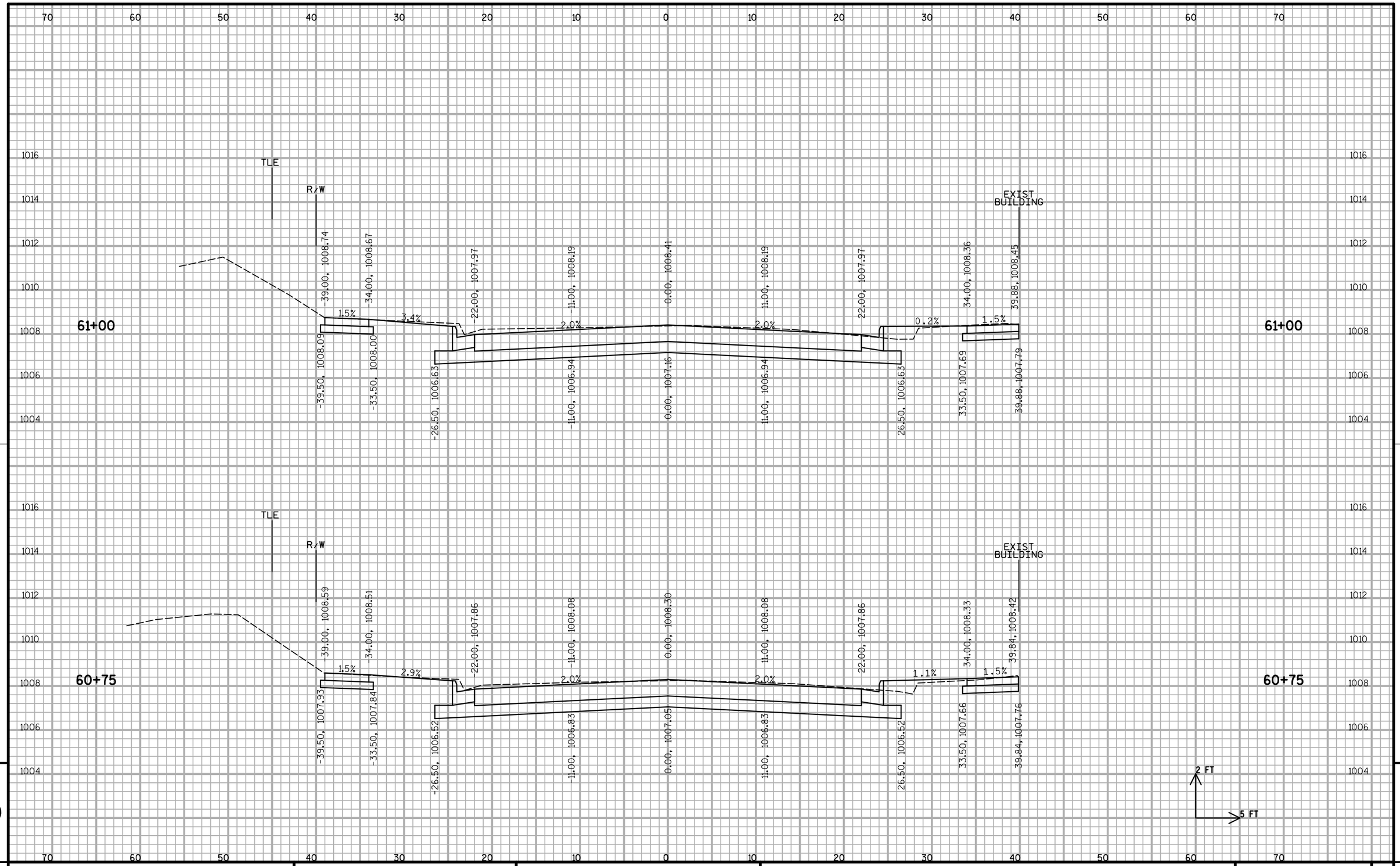
FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 241	E



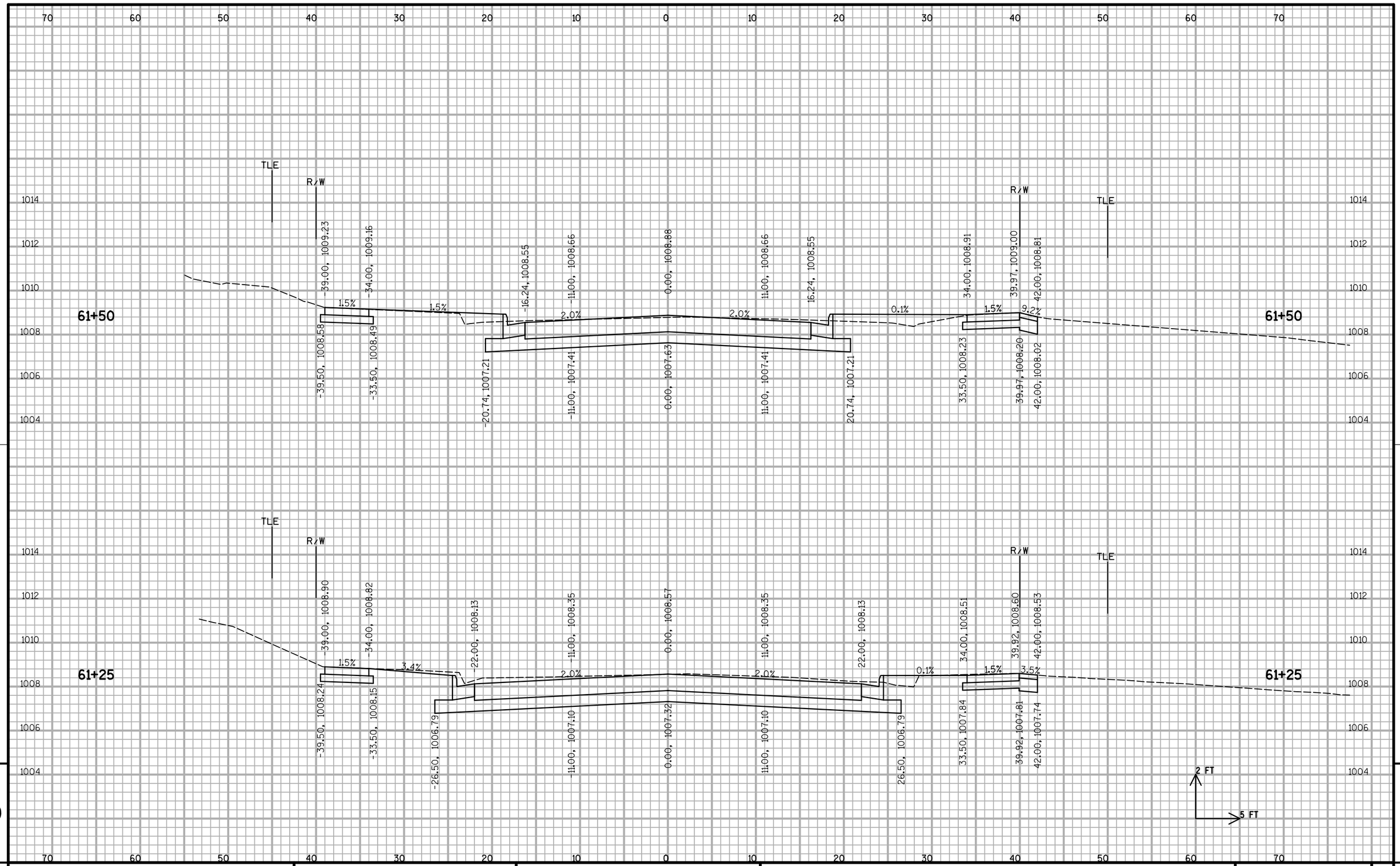
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9

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 242	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

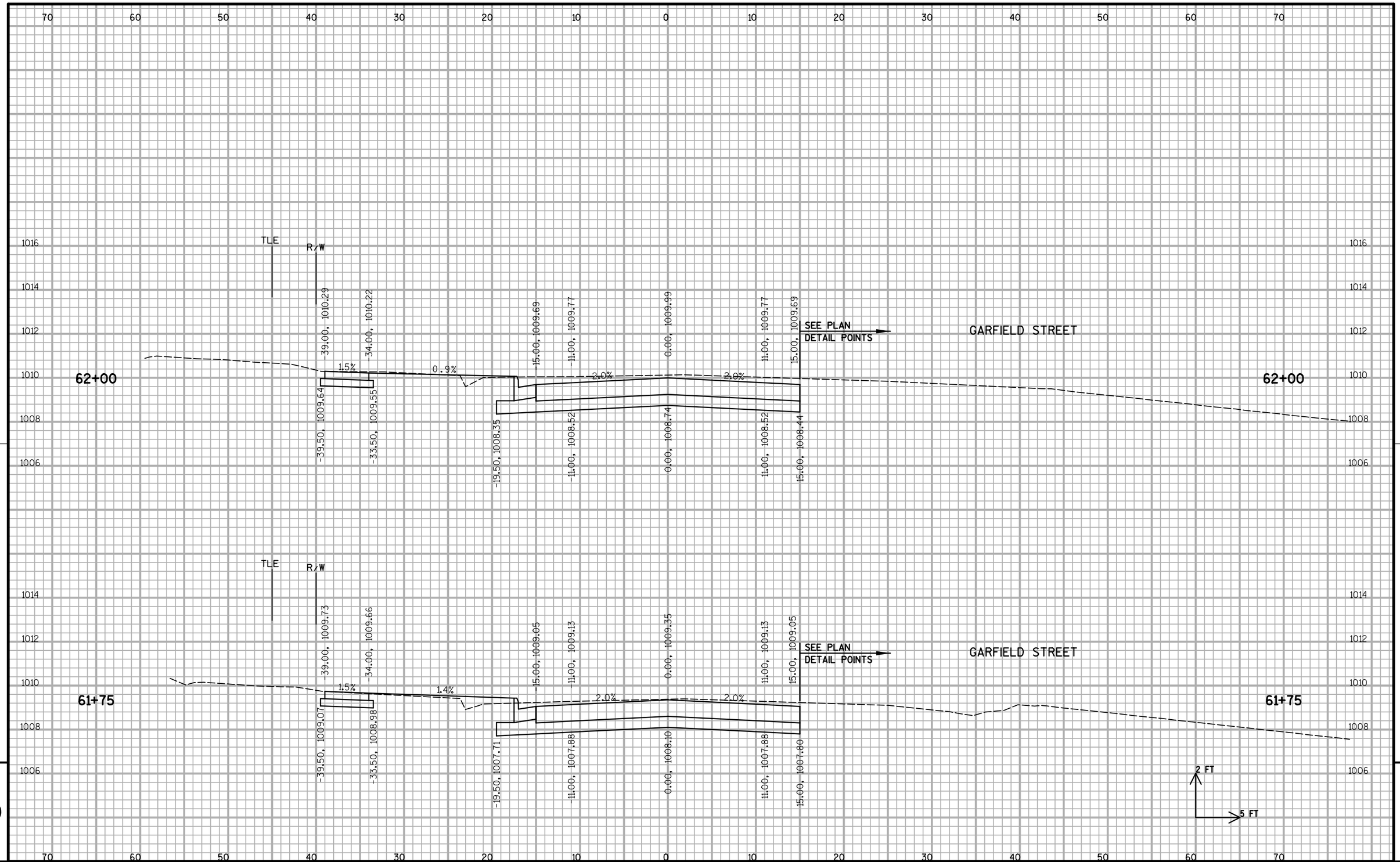
WISDOT/CADDS SHEET 21



9 9

PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

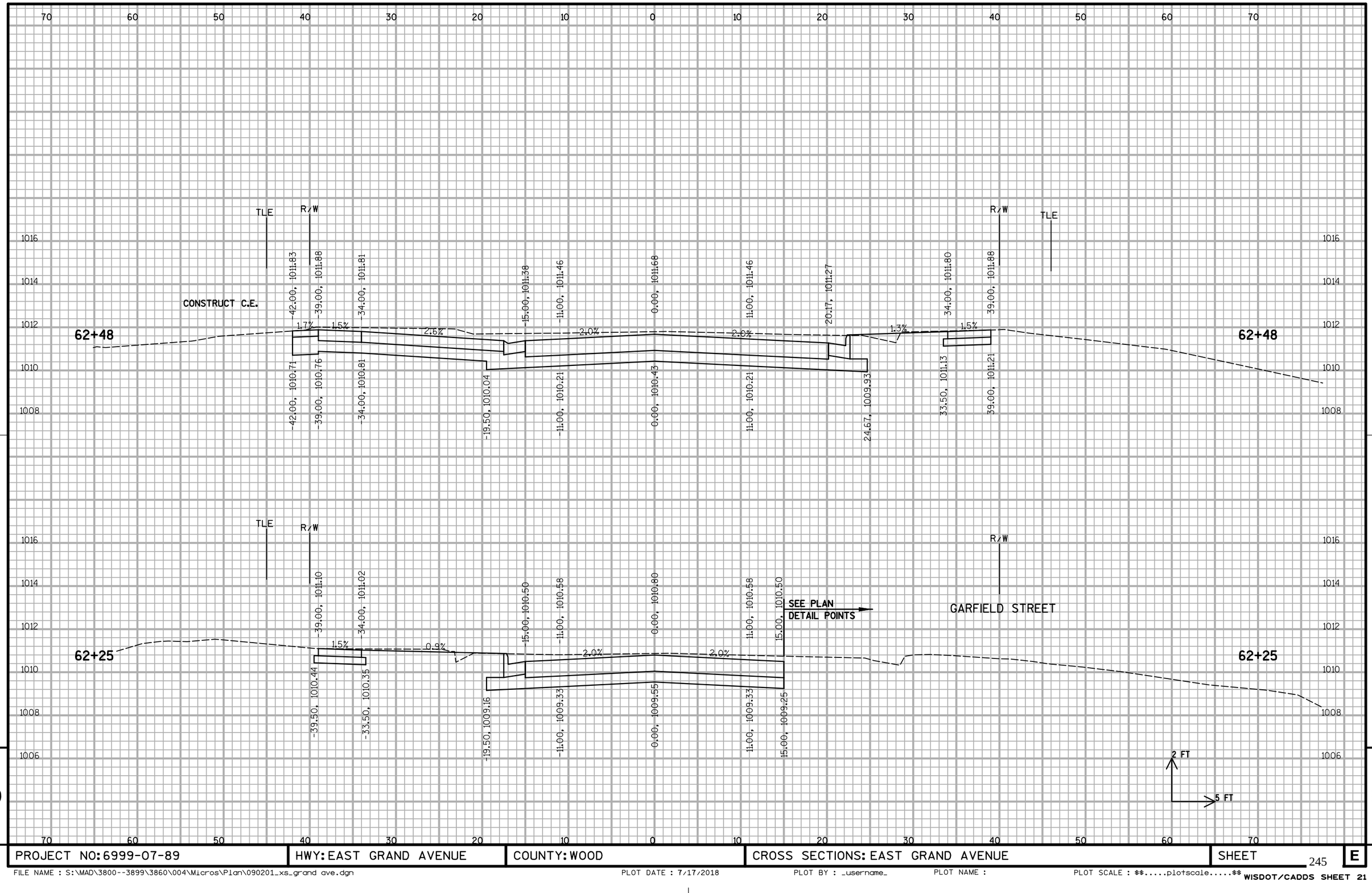
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 244	E



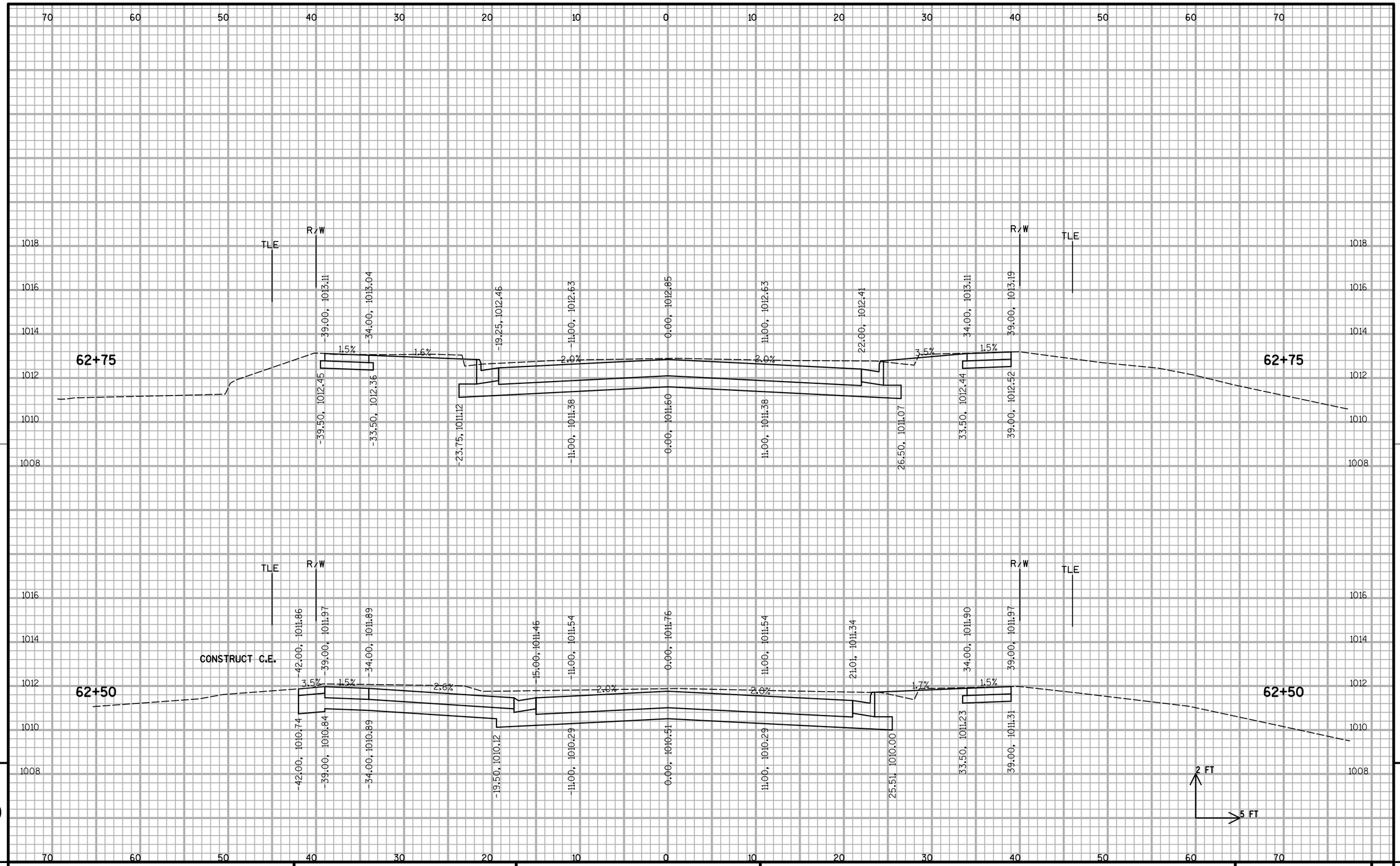
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 245	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

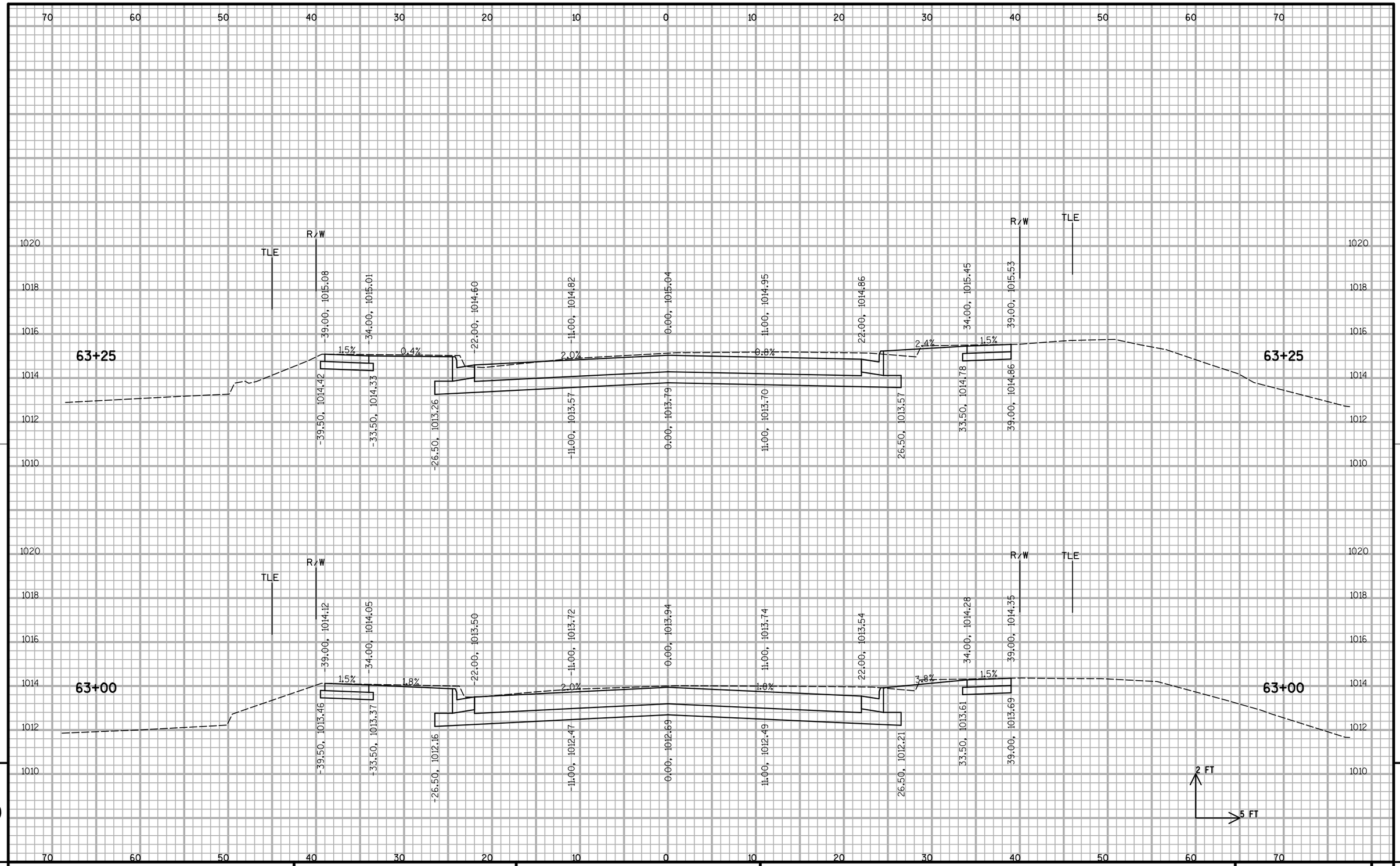
WISDOT/CADDS SHEET 21



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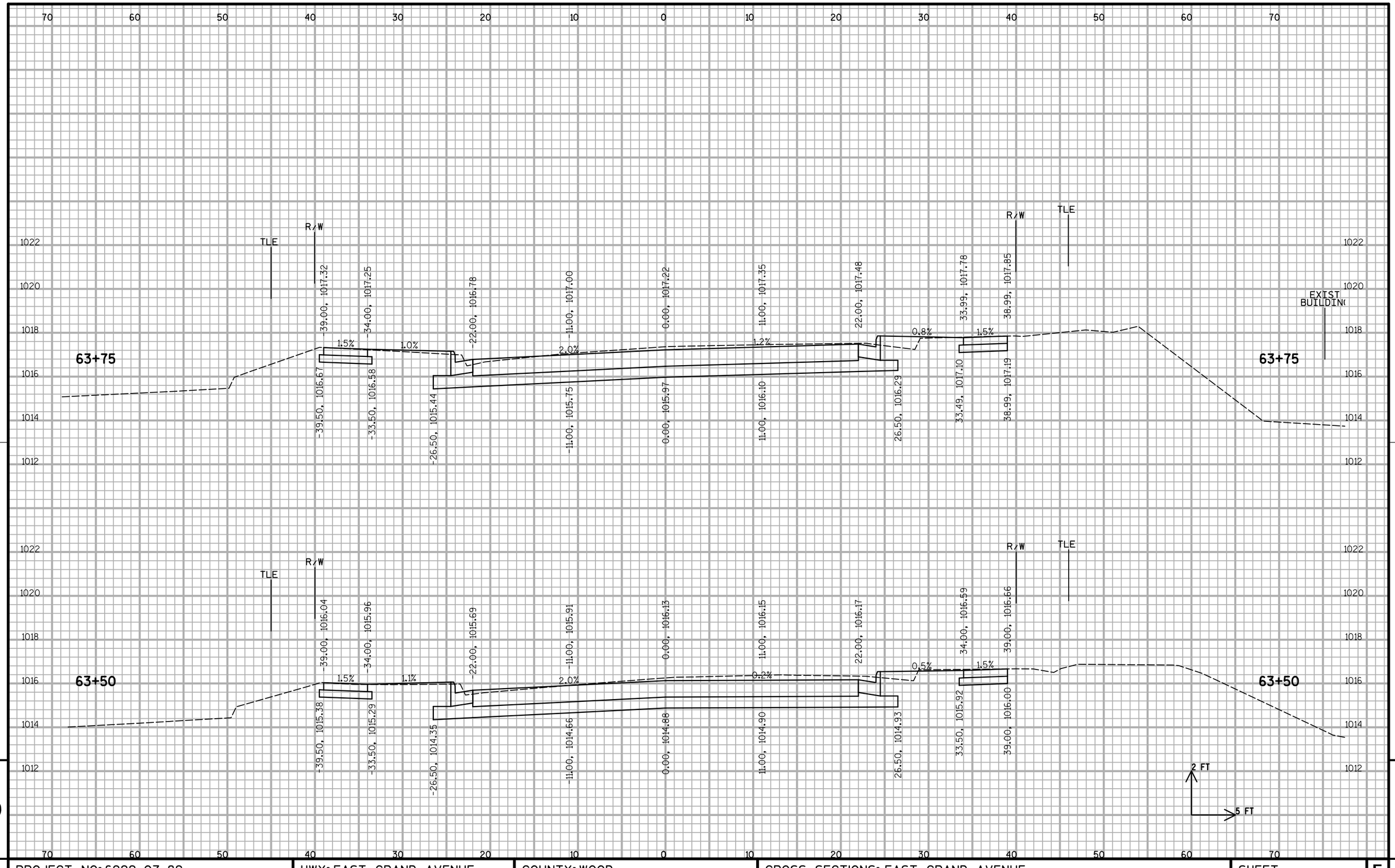
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 246	E



9 9

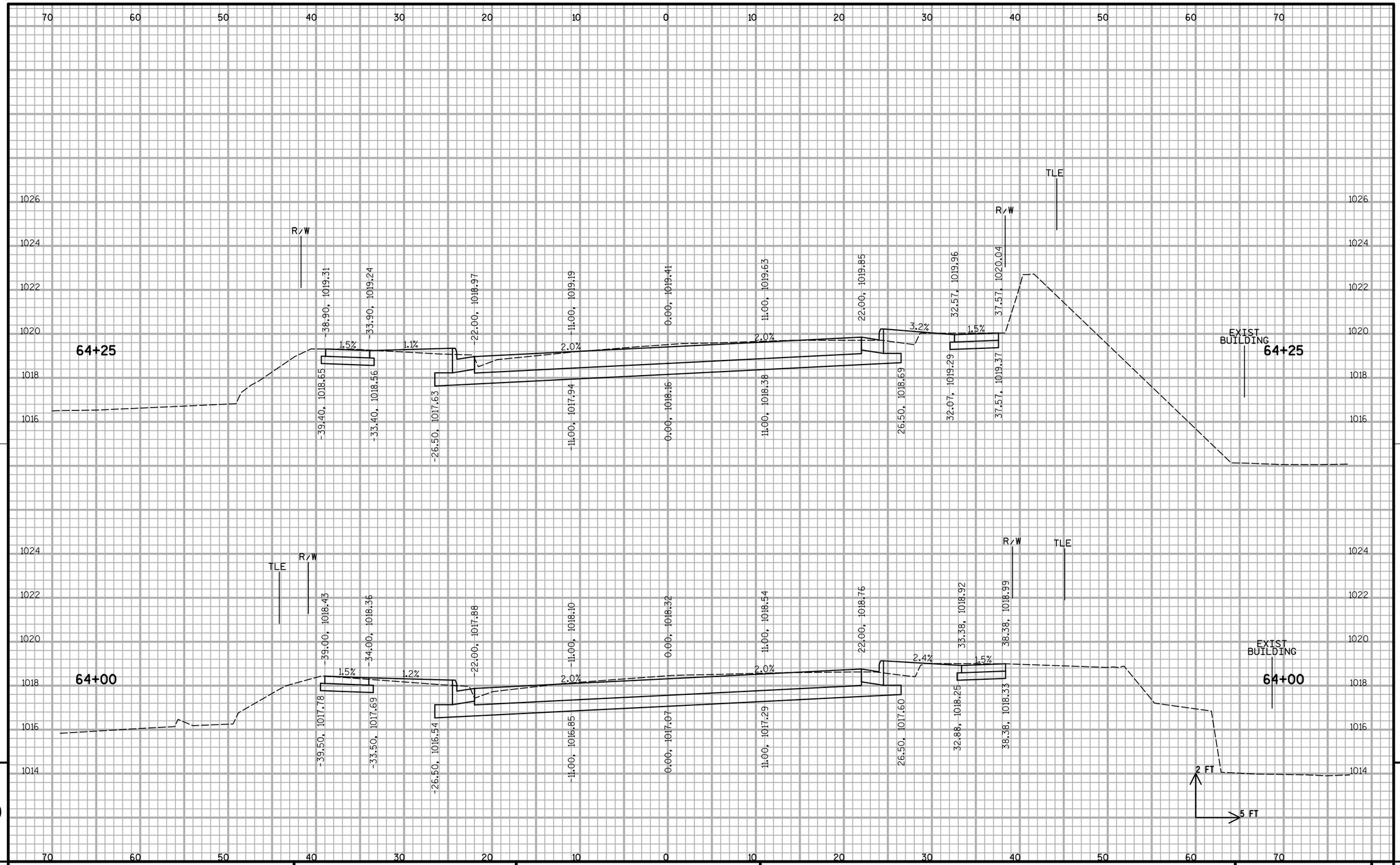
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 247	E



9

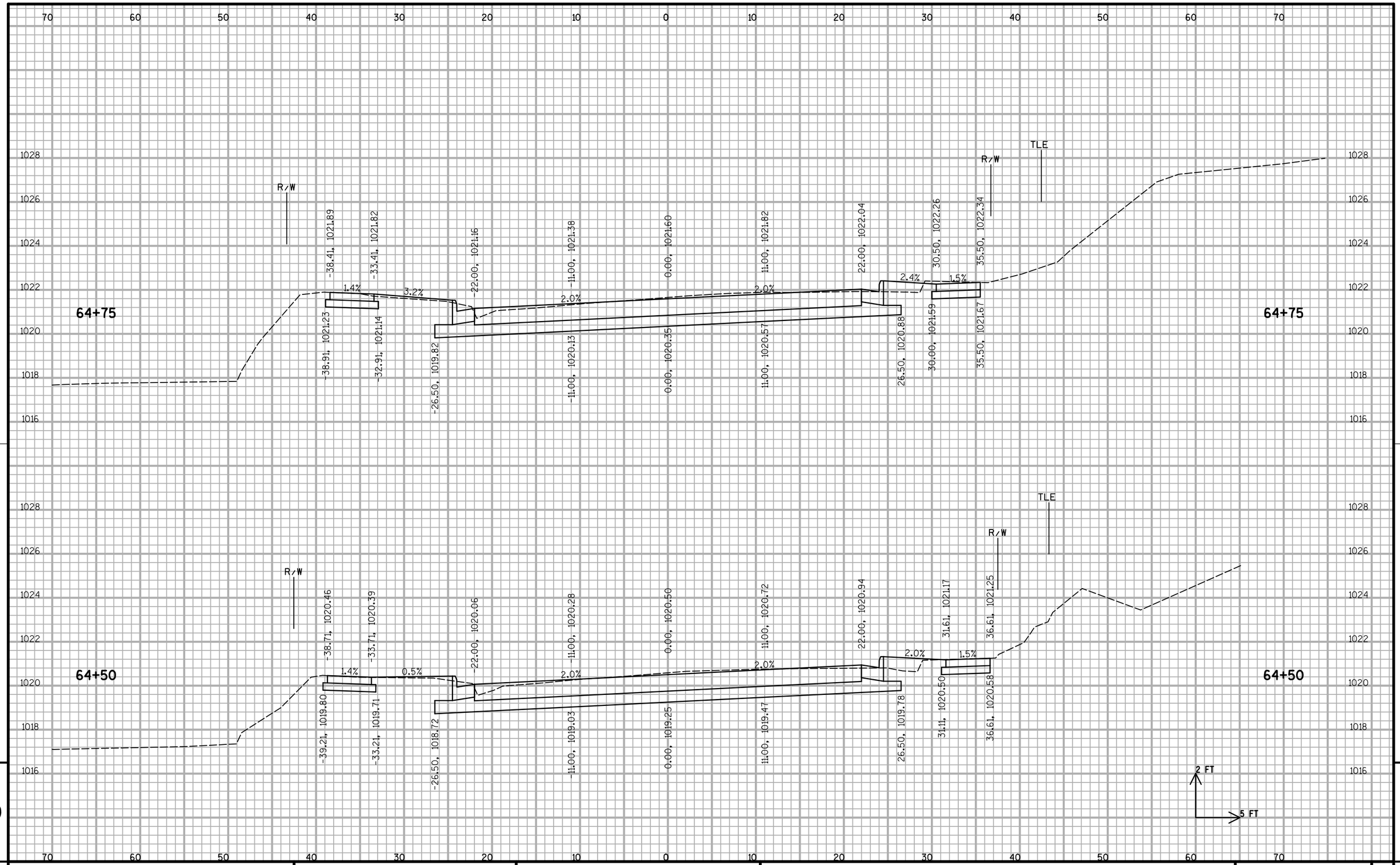
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 248	E



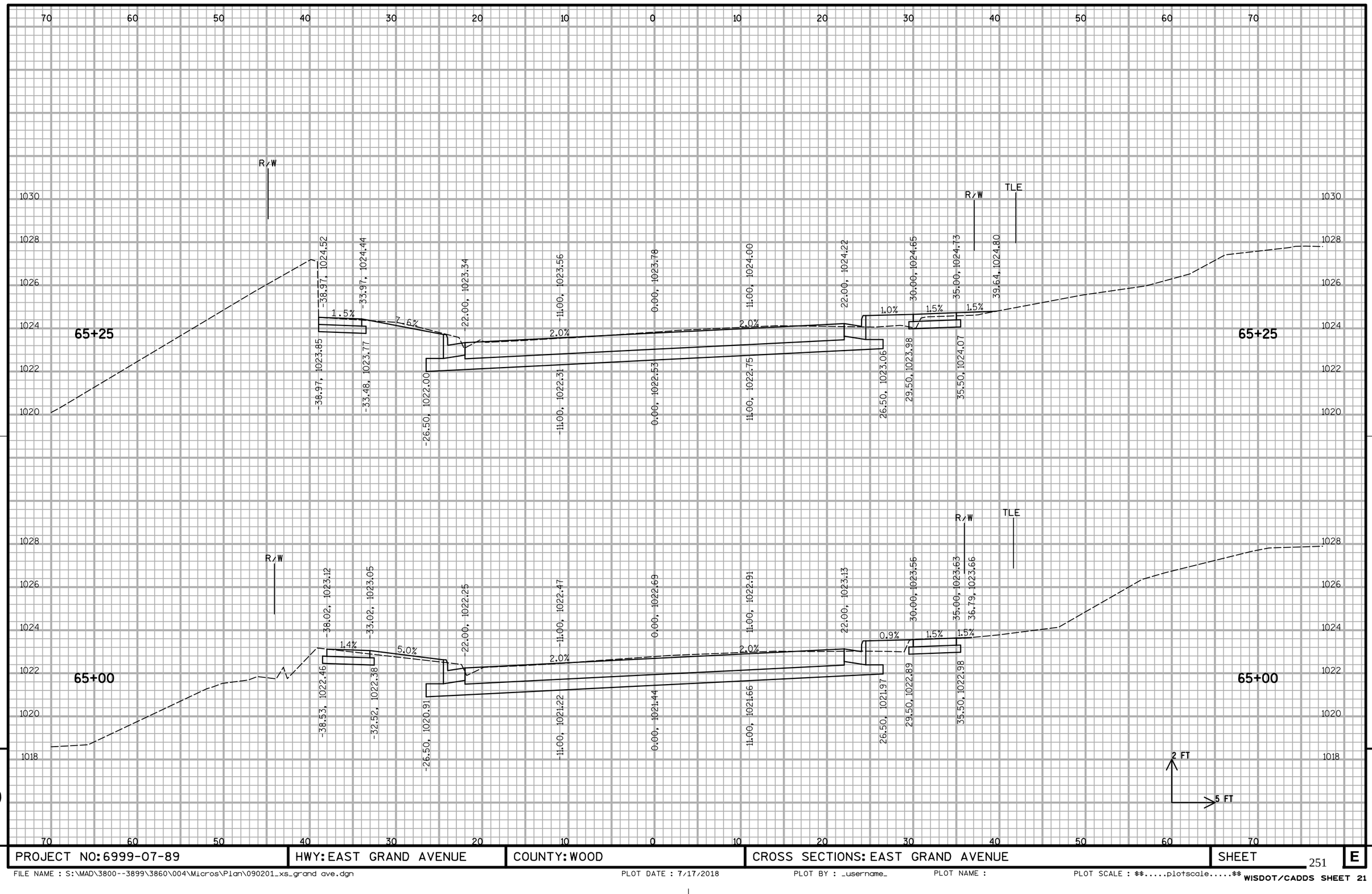
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 249	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$



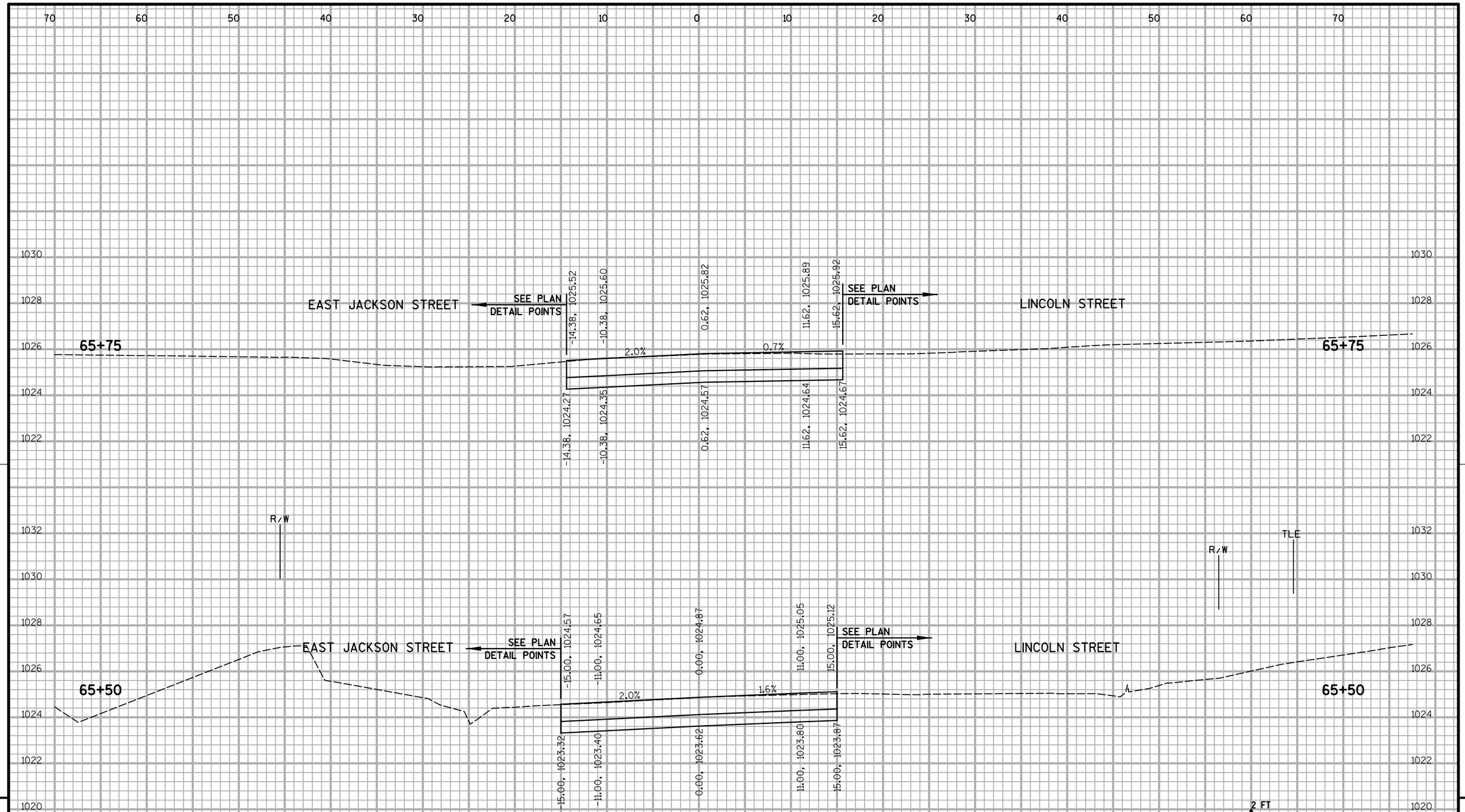
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 250 E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



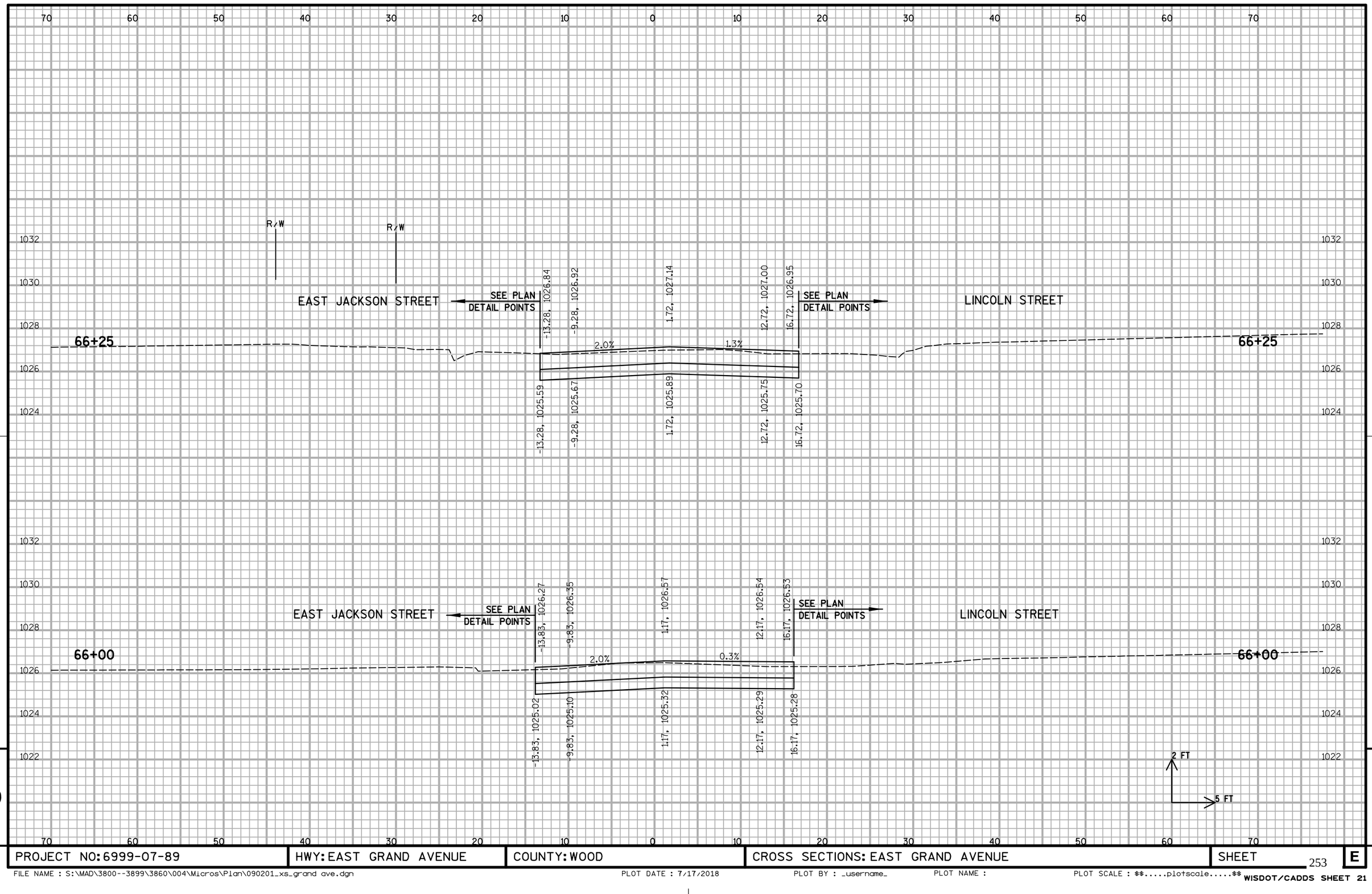
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 252	E

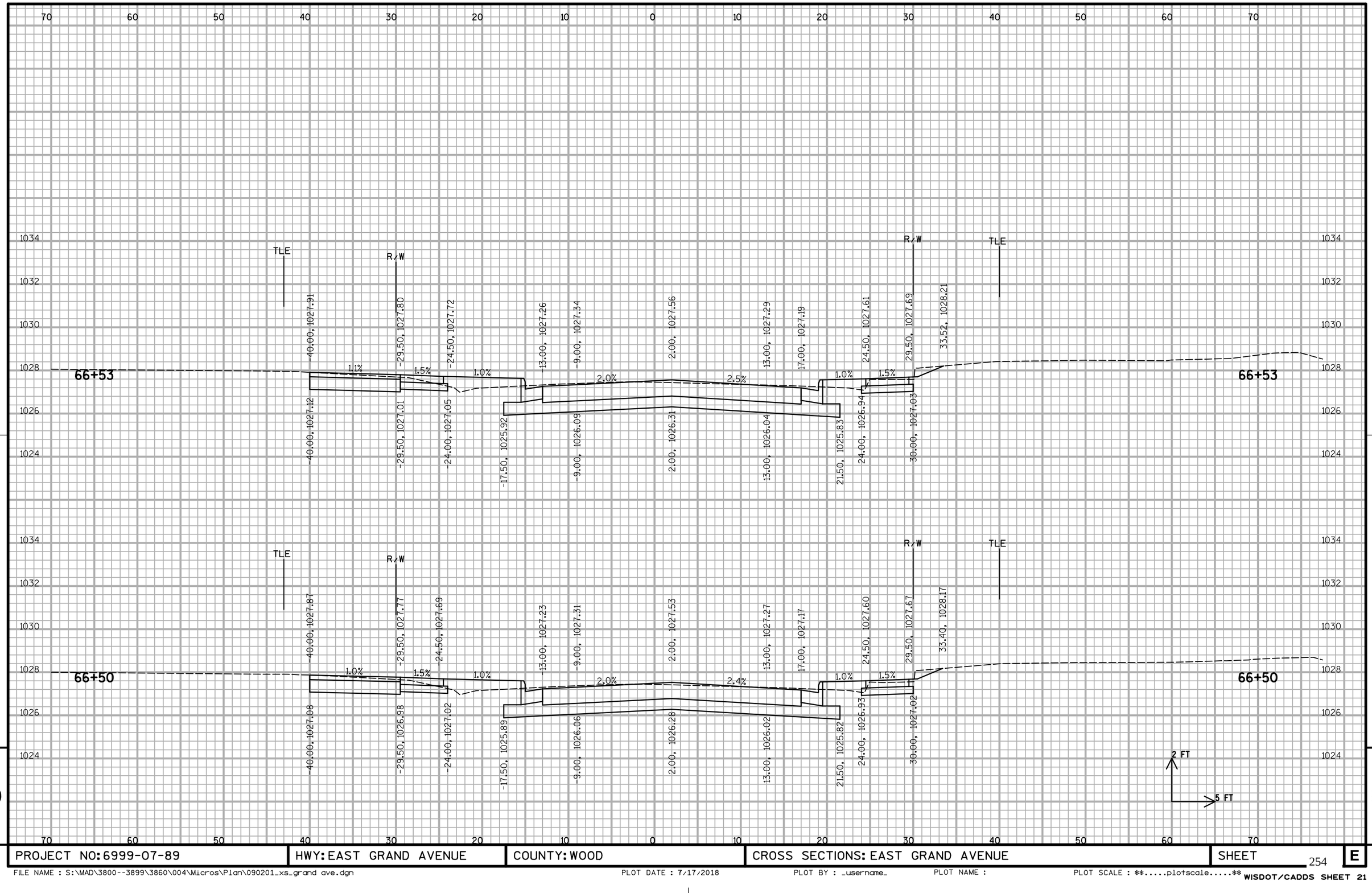
FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



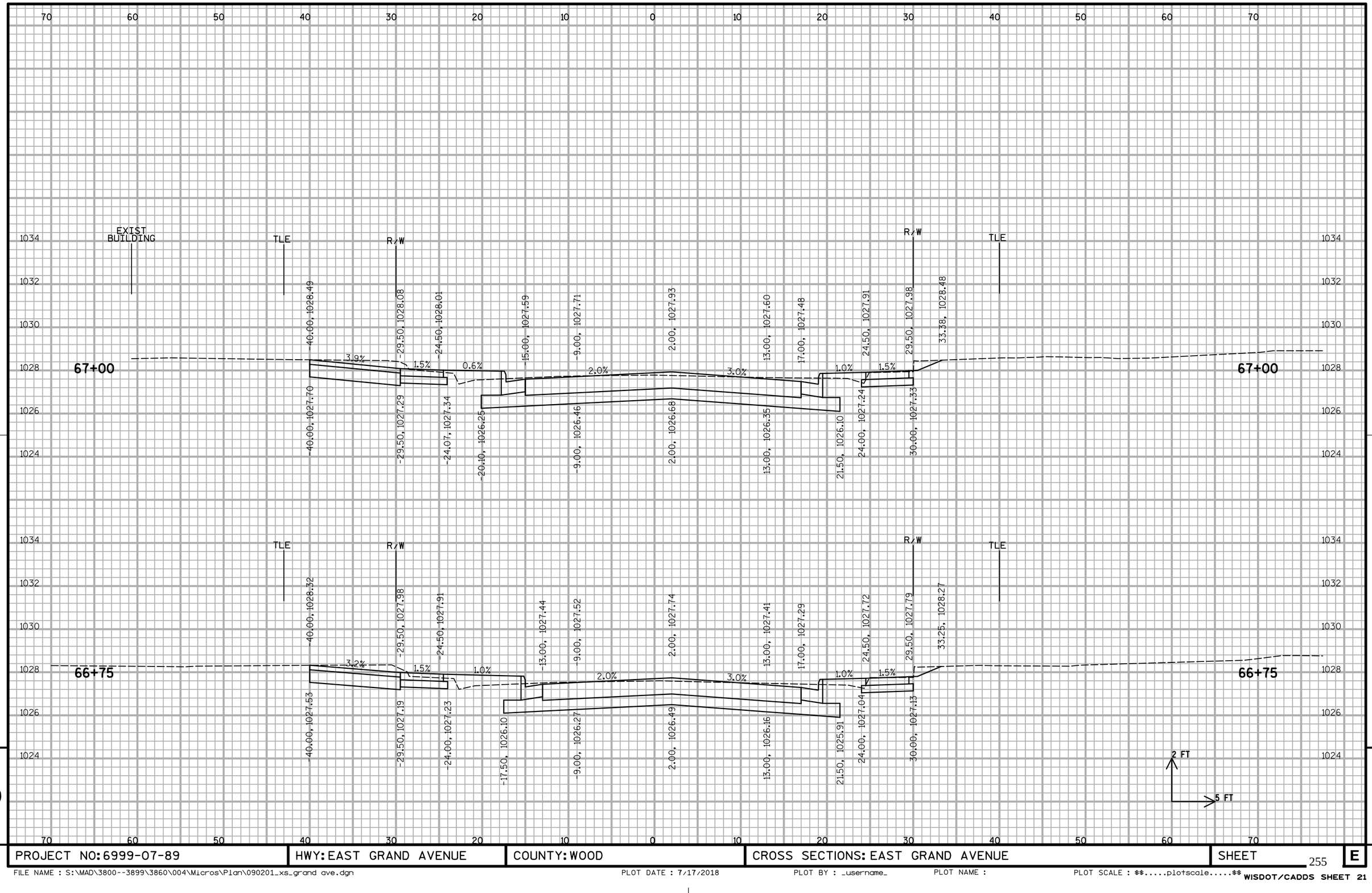
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 253	E



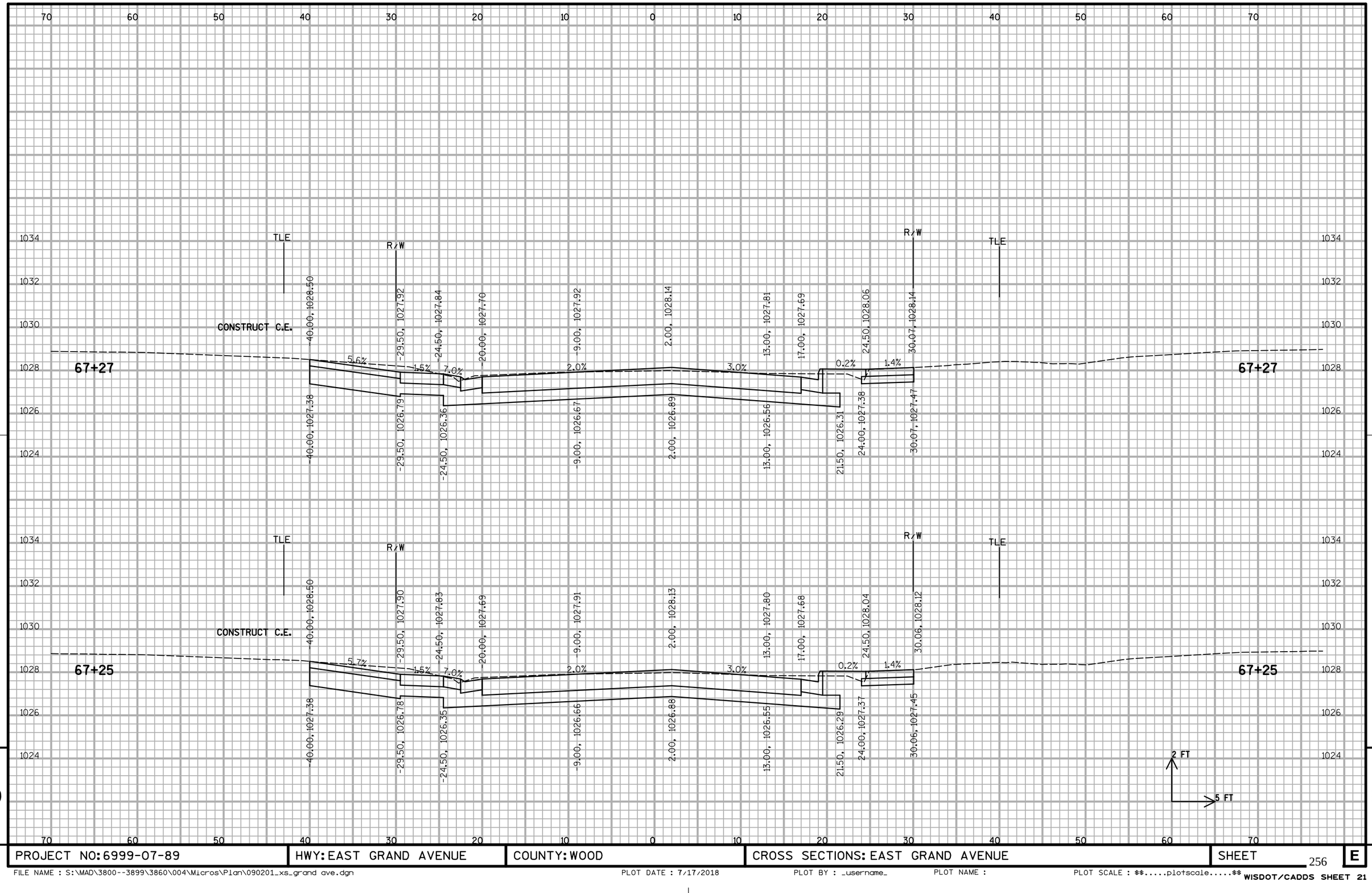
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 254	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 255	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

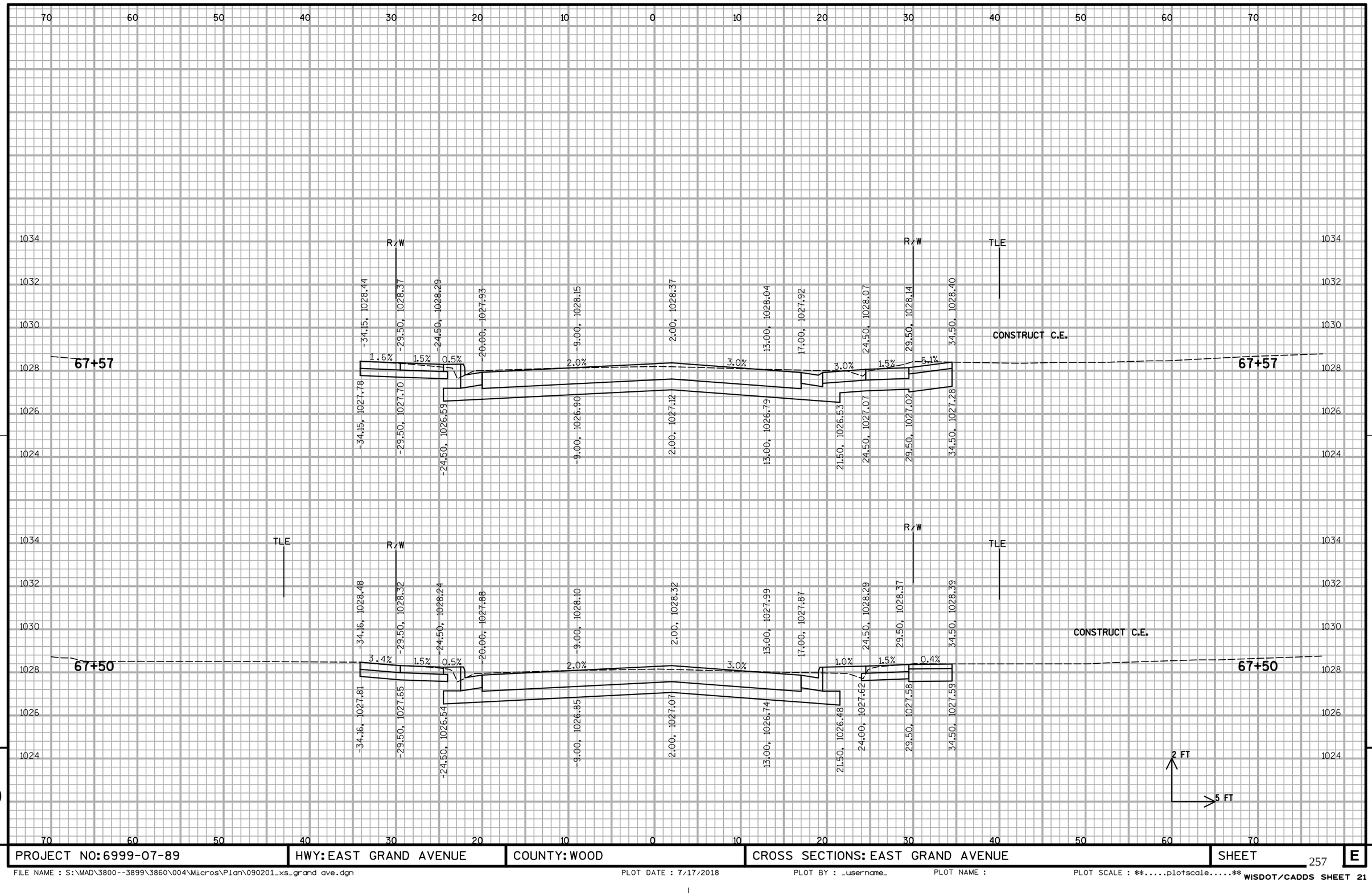
WISDOT/CADDS SHEET 21



9

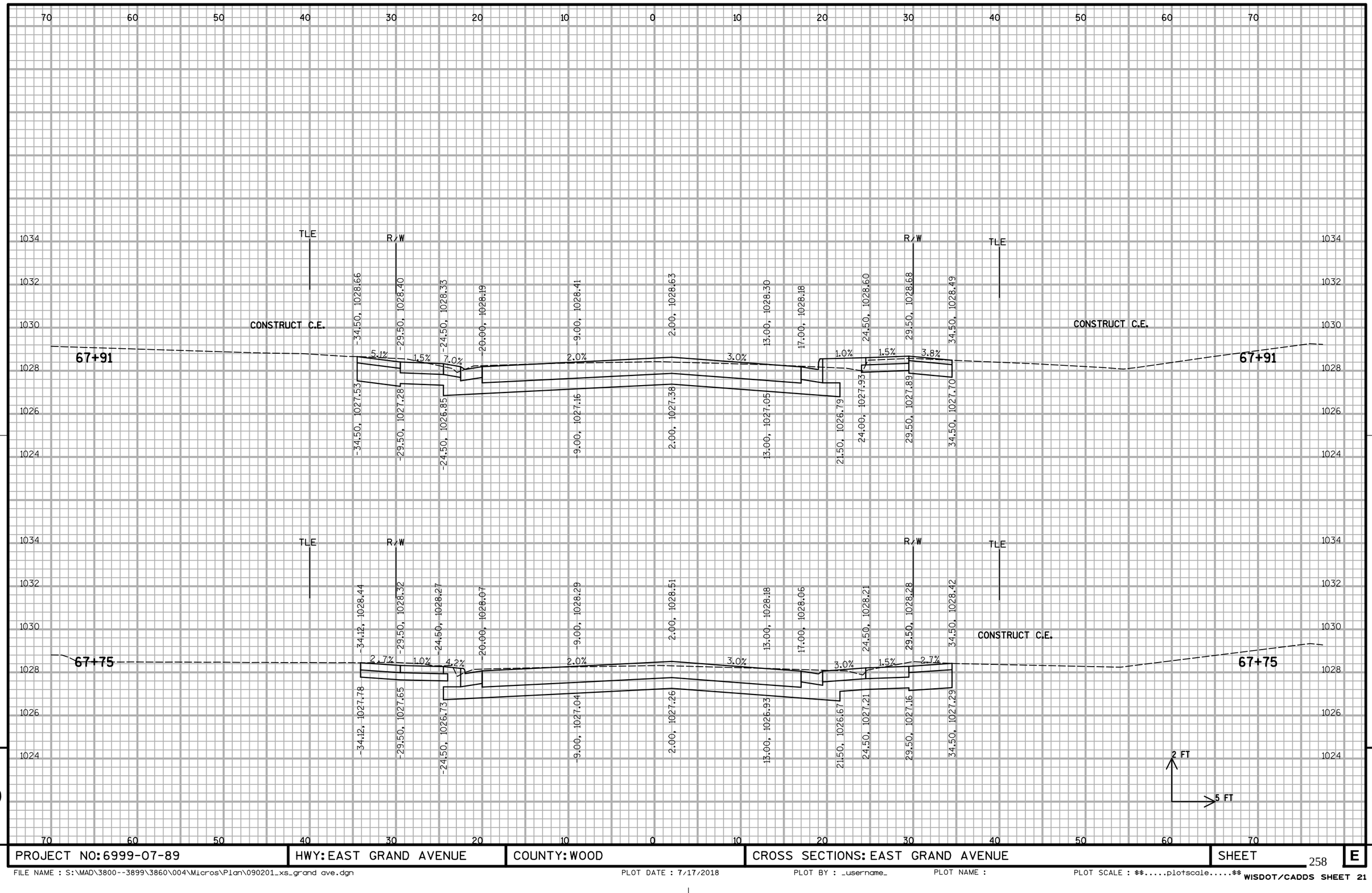
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 256	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 257	E

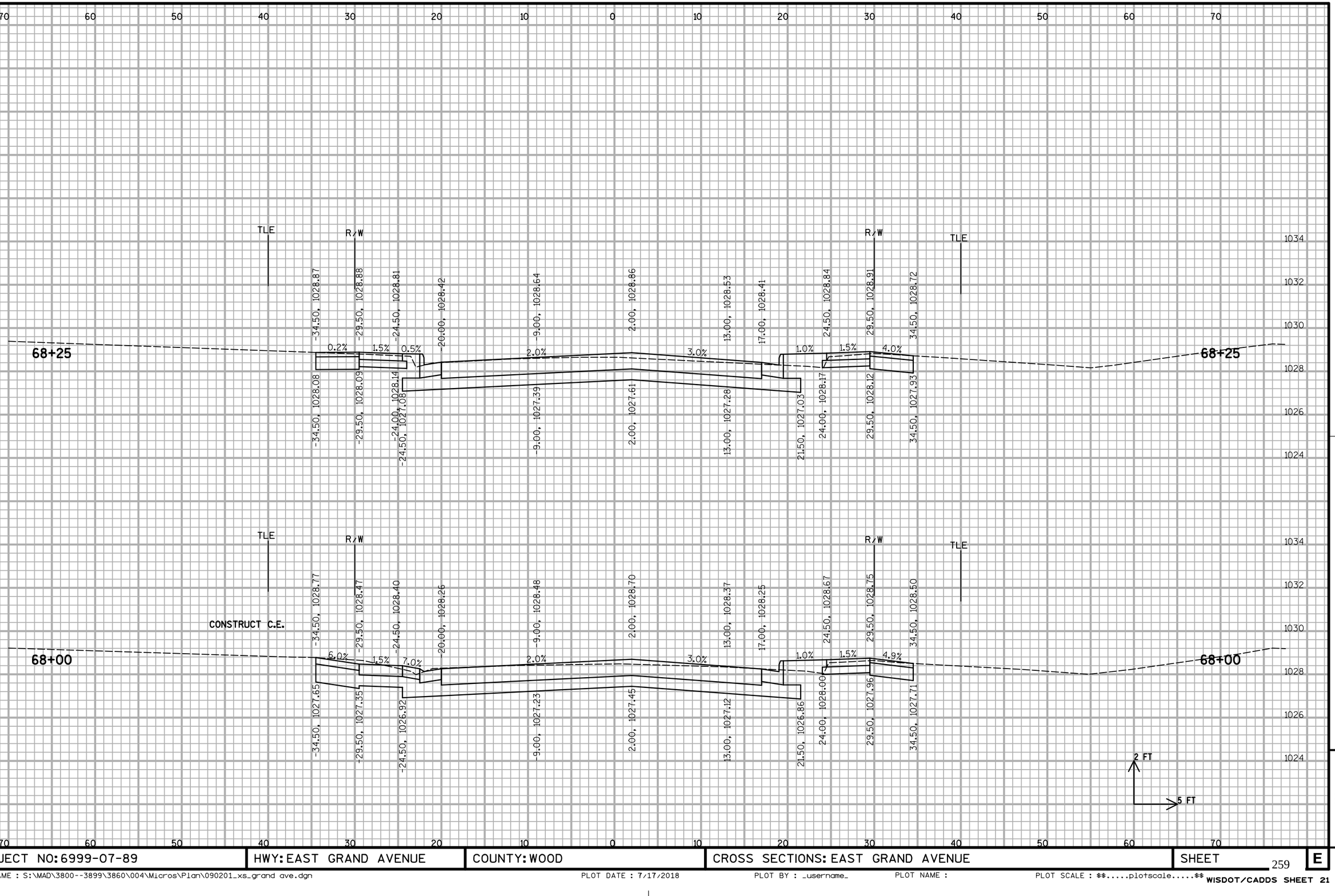
FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



9

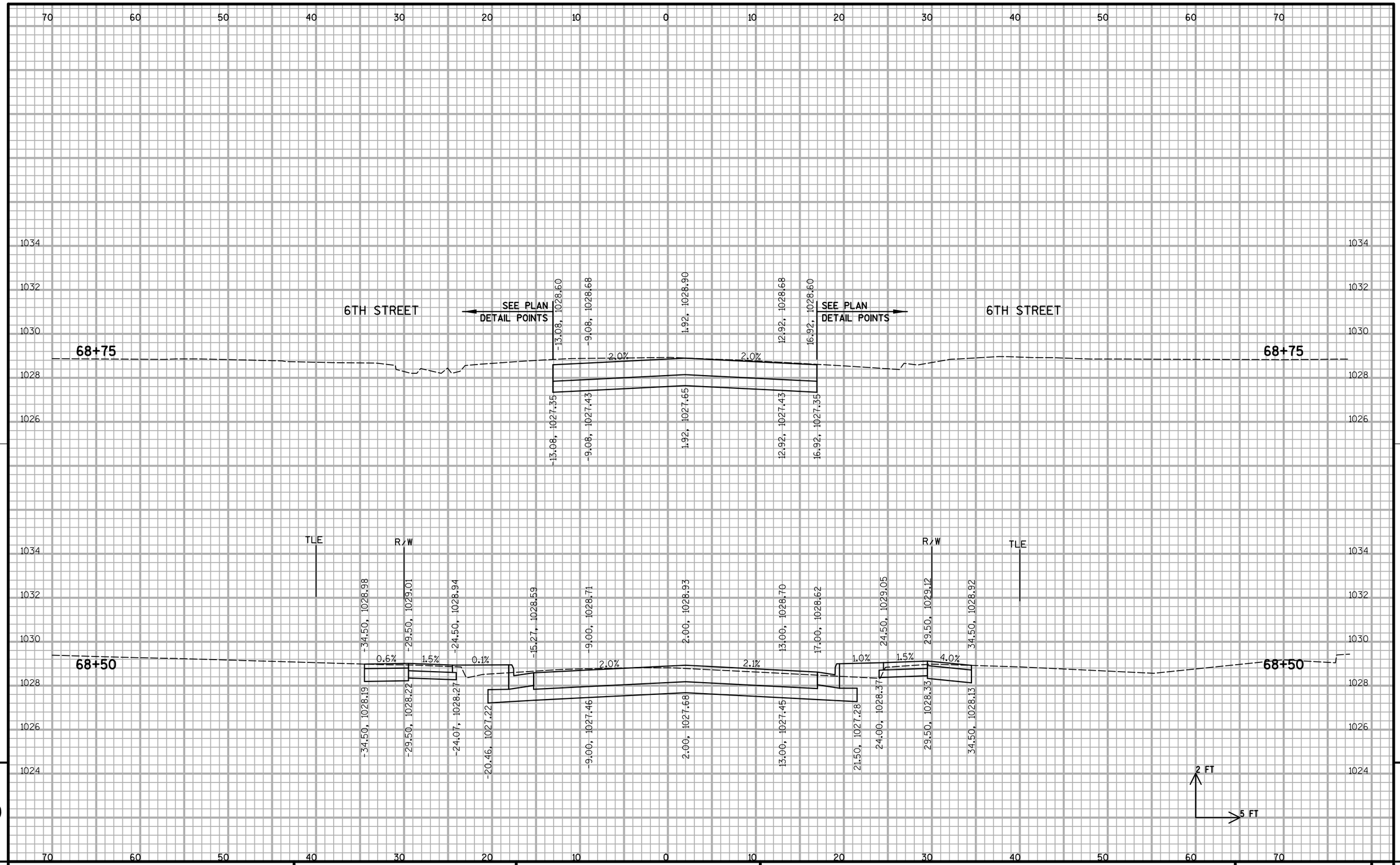
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 258	E

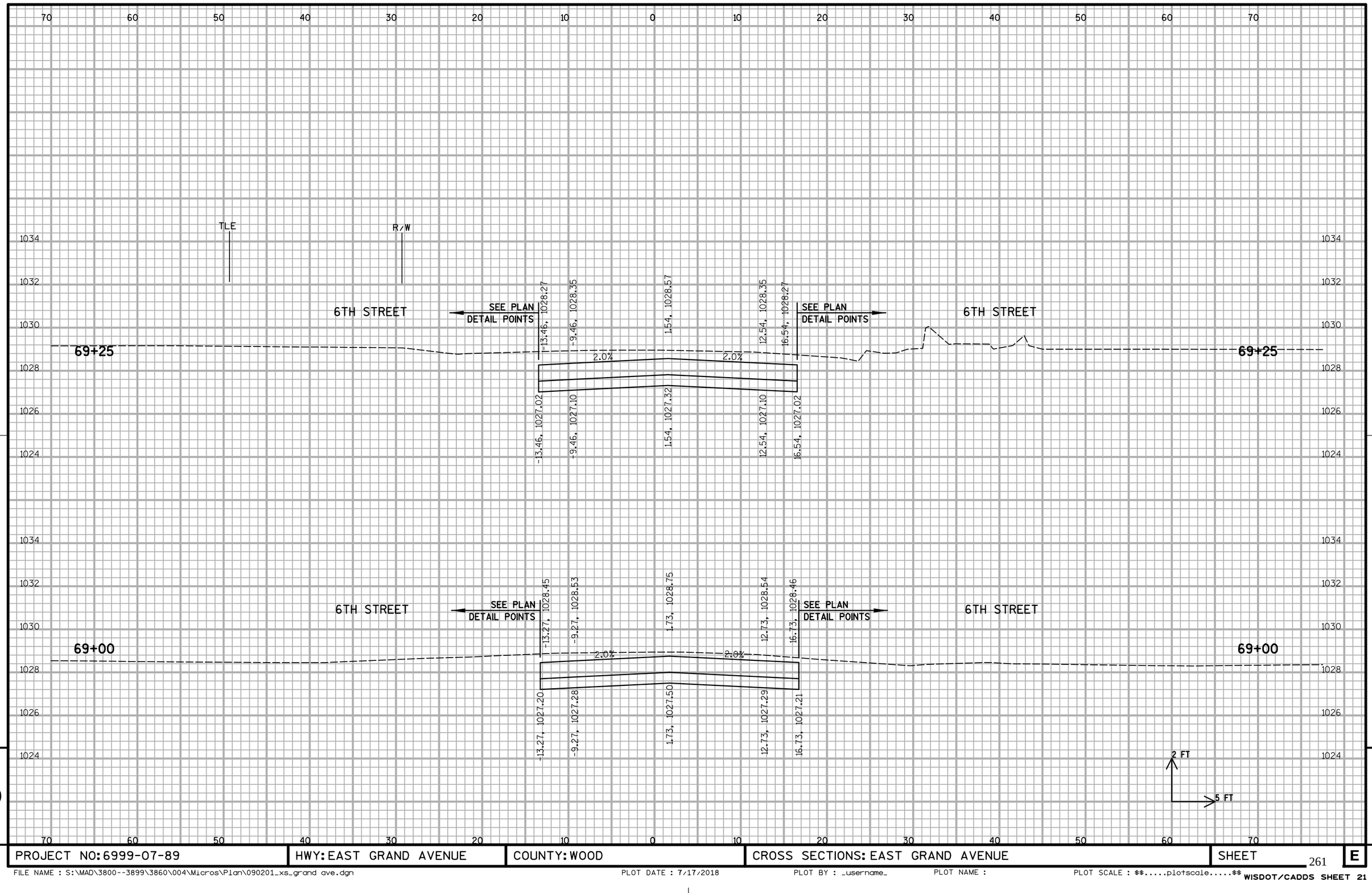


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 259	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

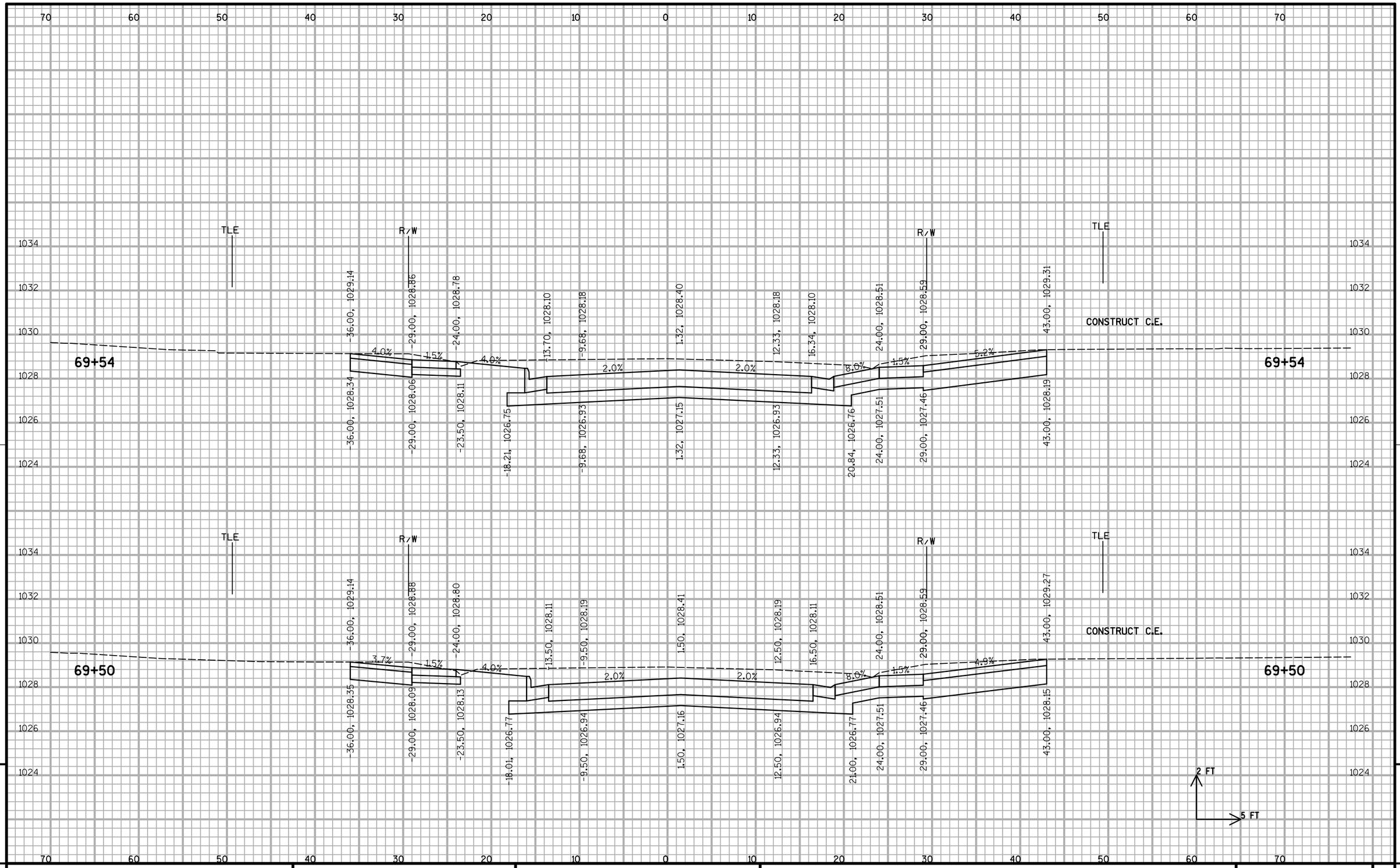


PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 260	E



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21

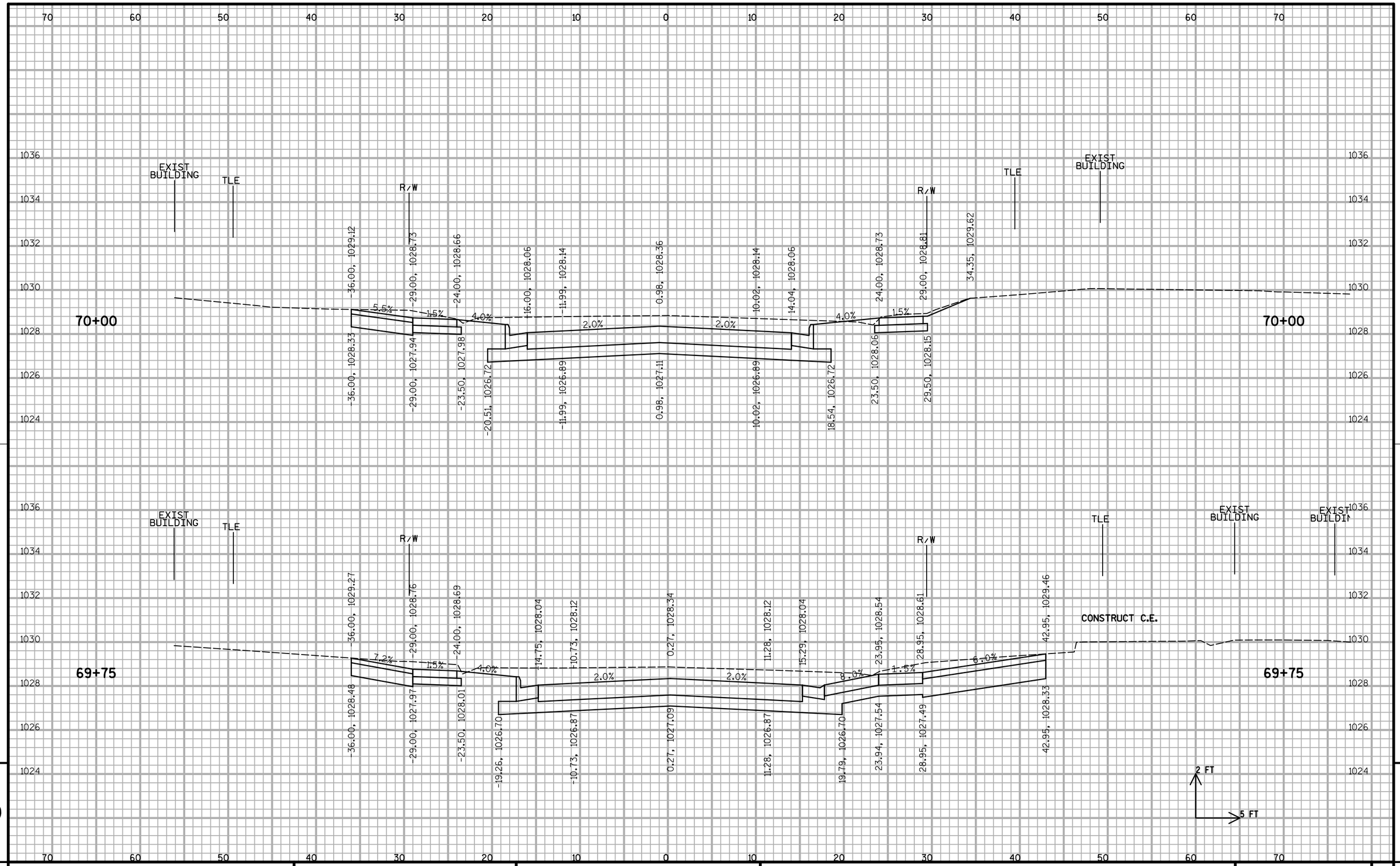


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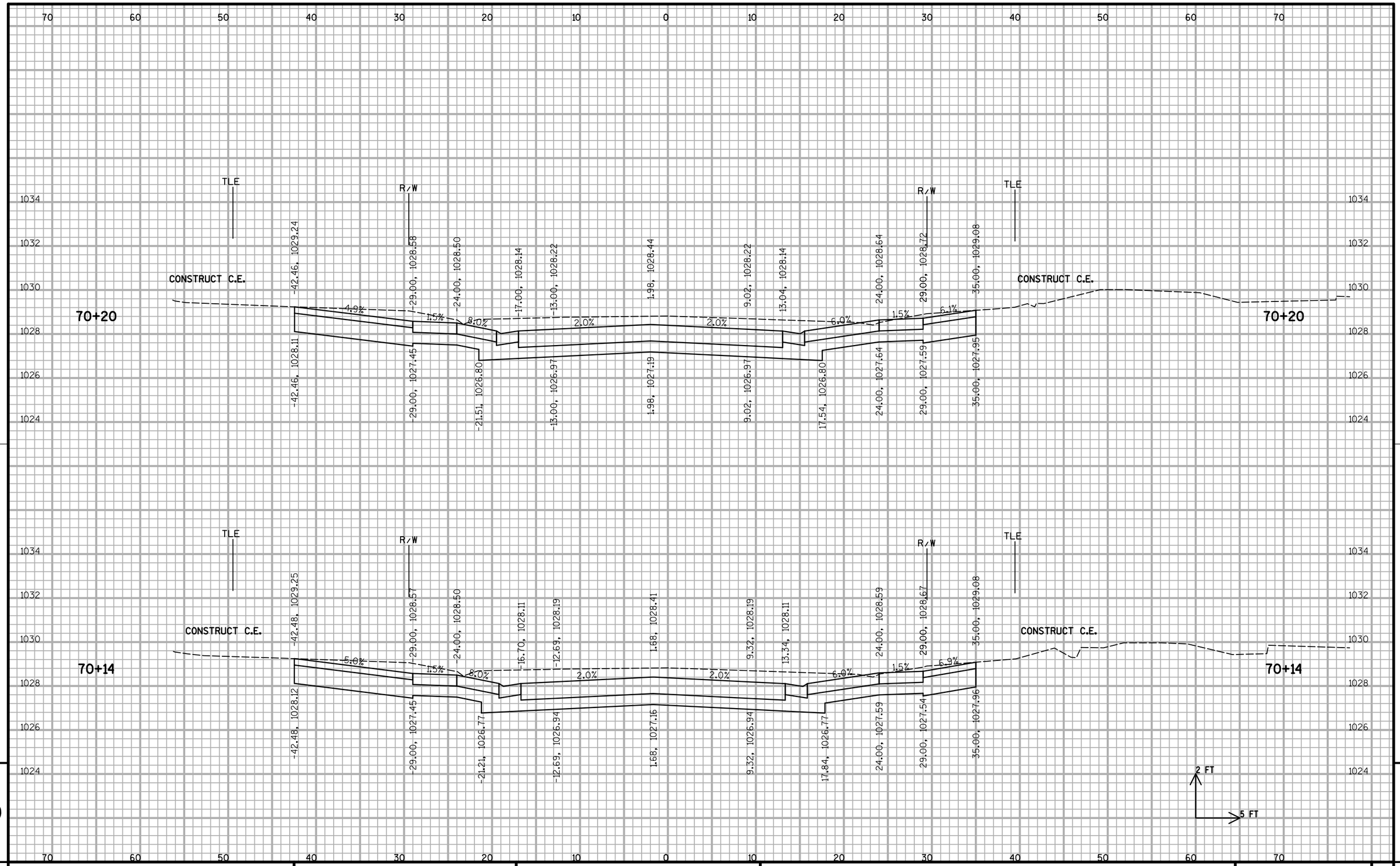
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

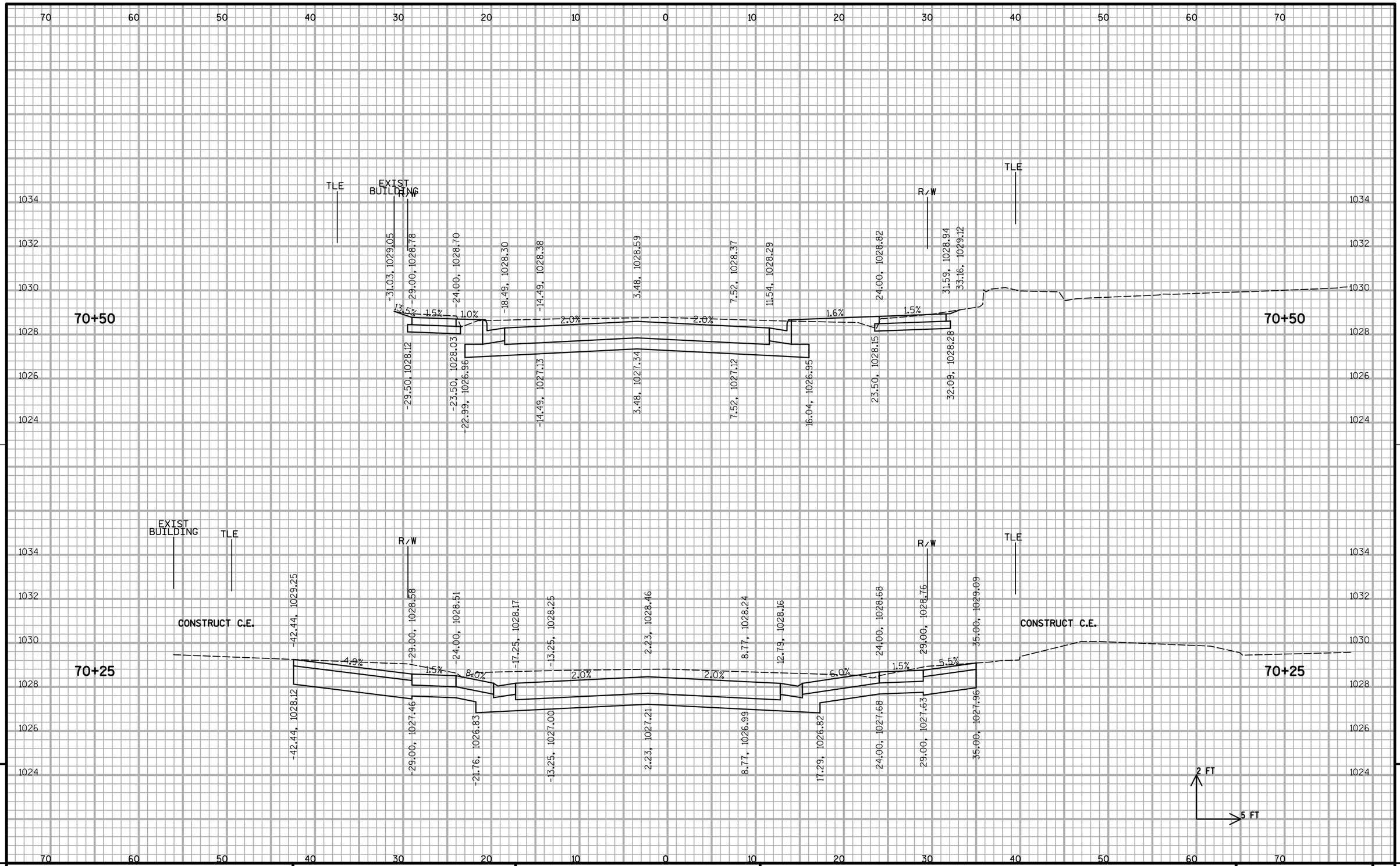
FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 263	E



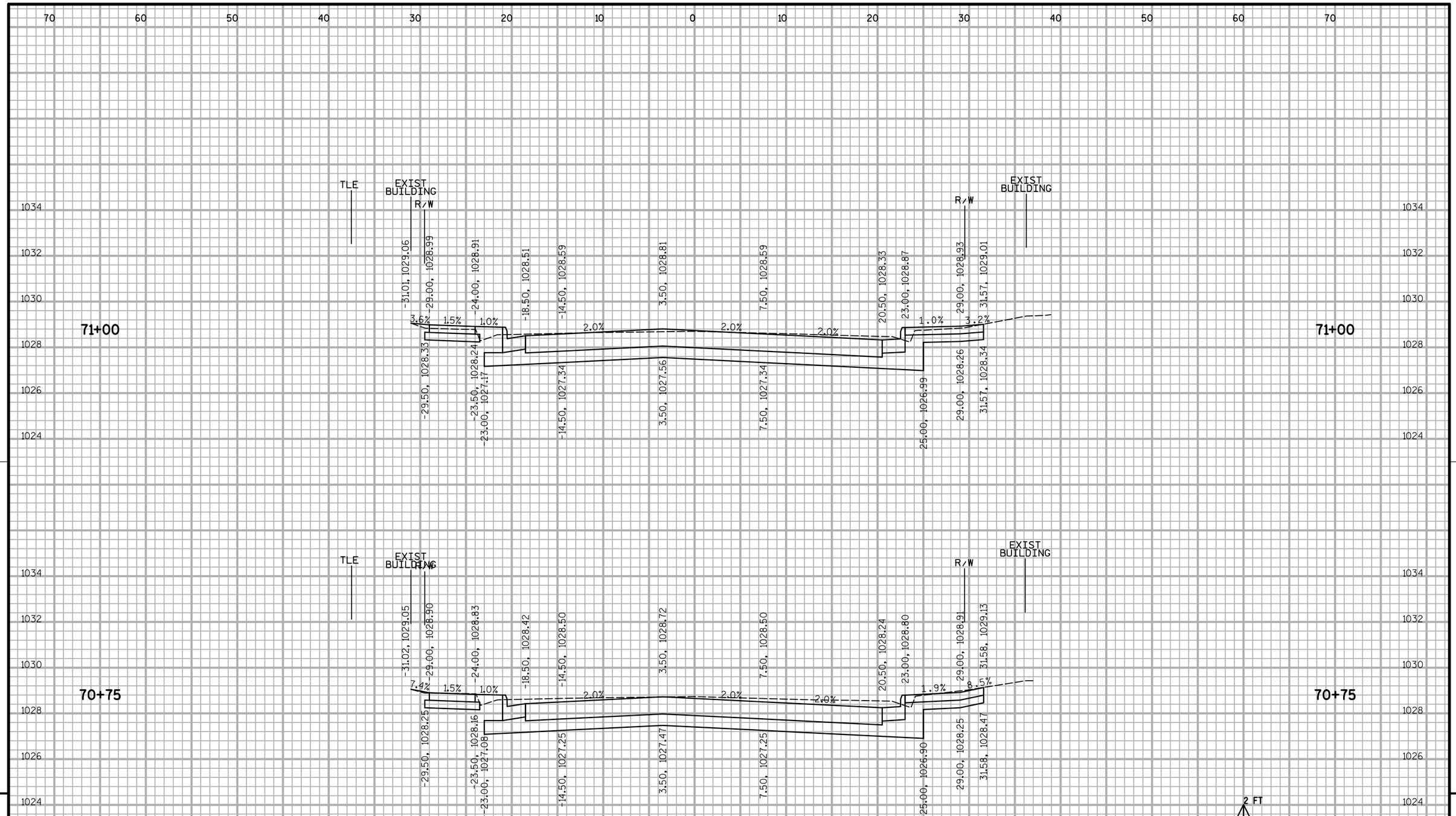
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 264	E



9

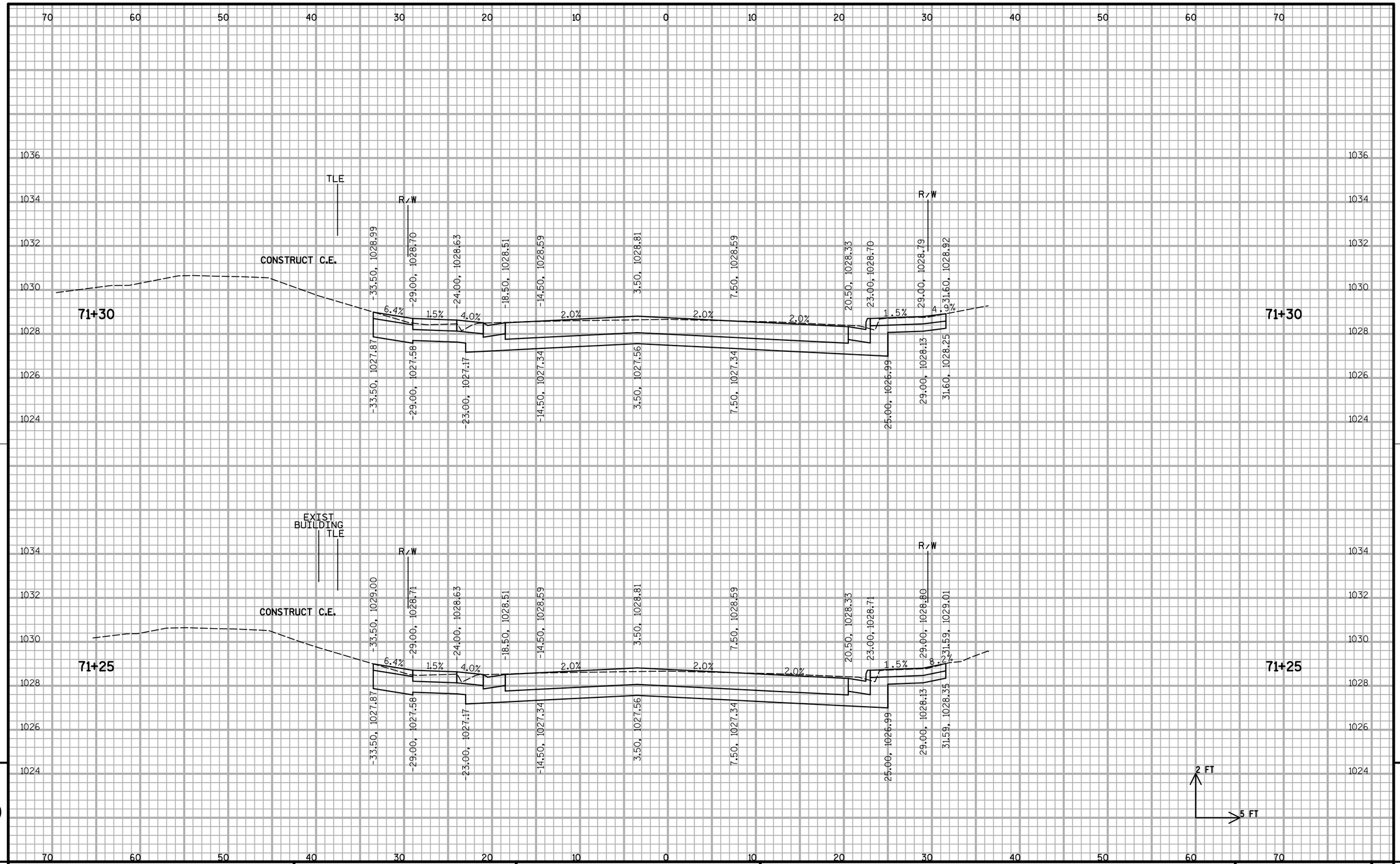
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



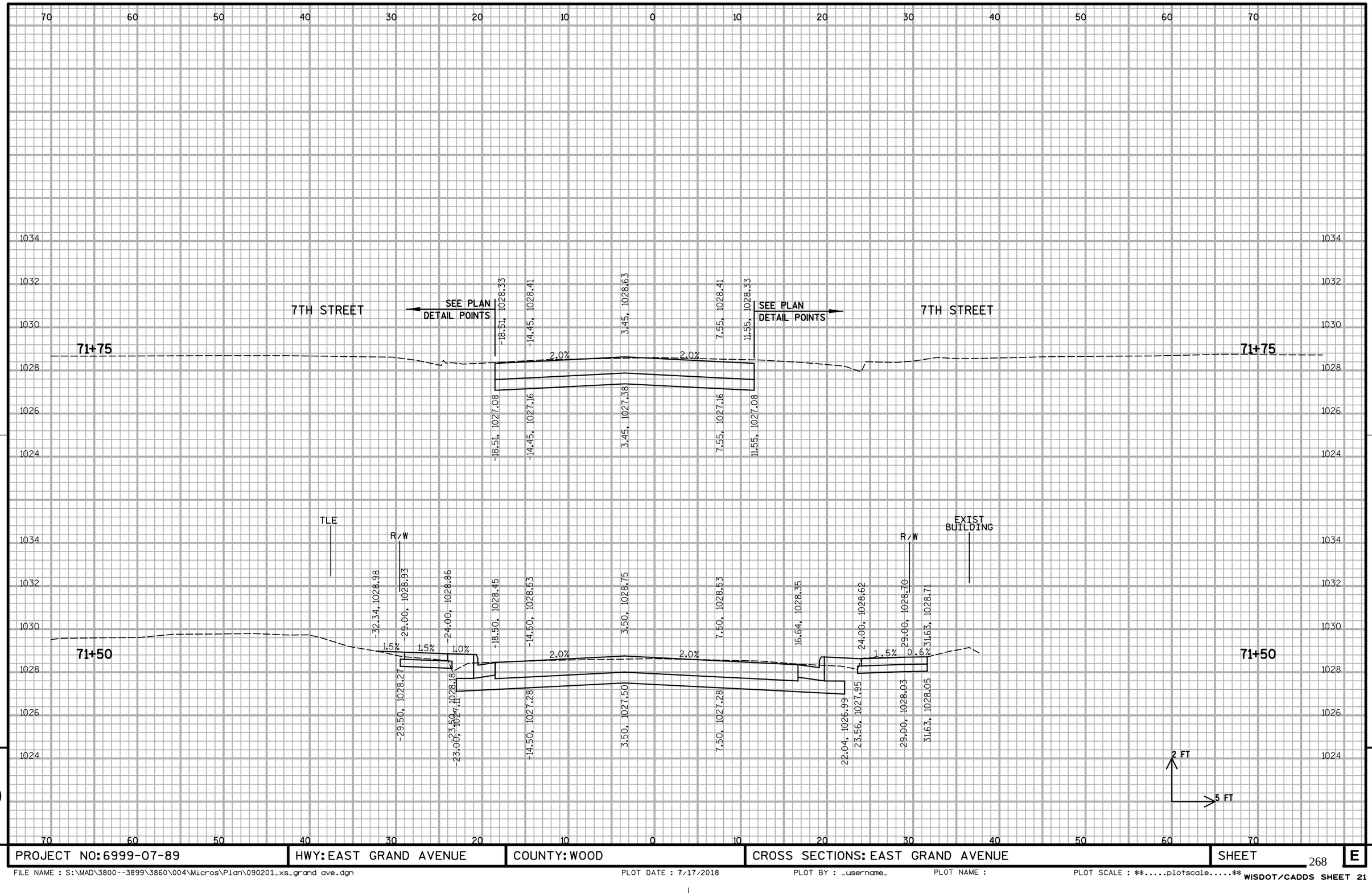
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



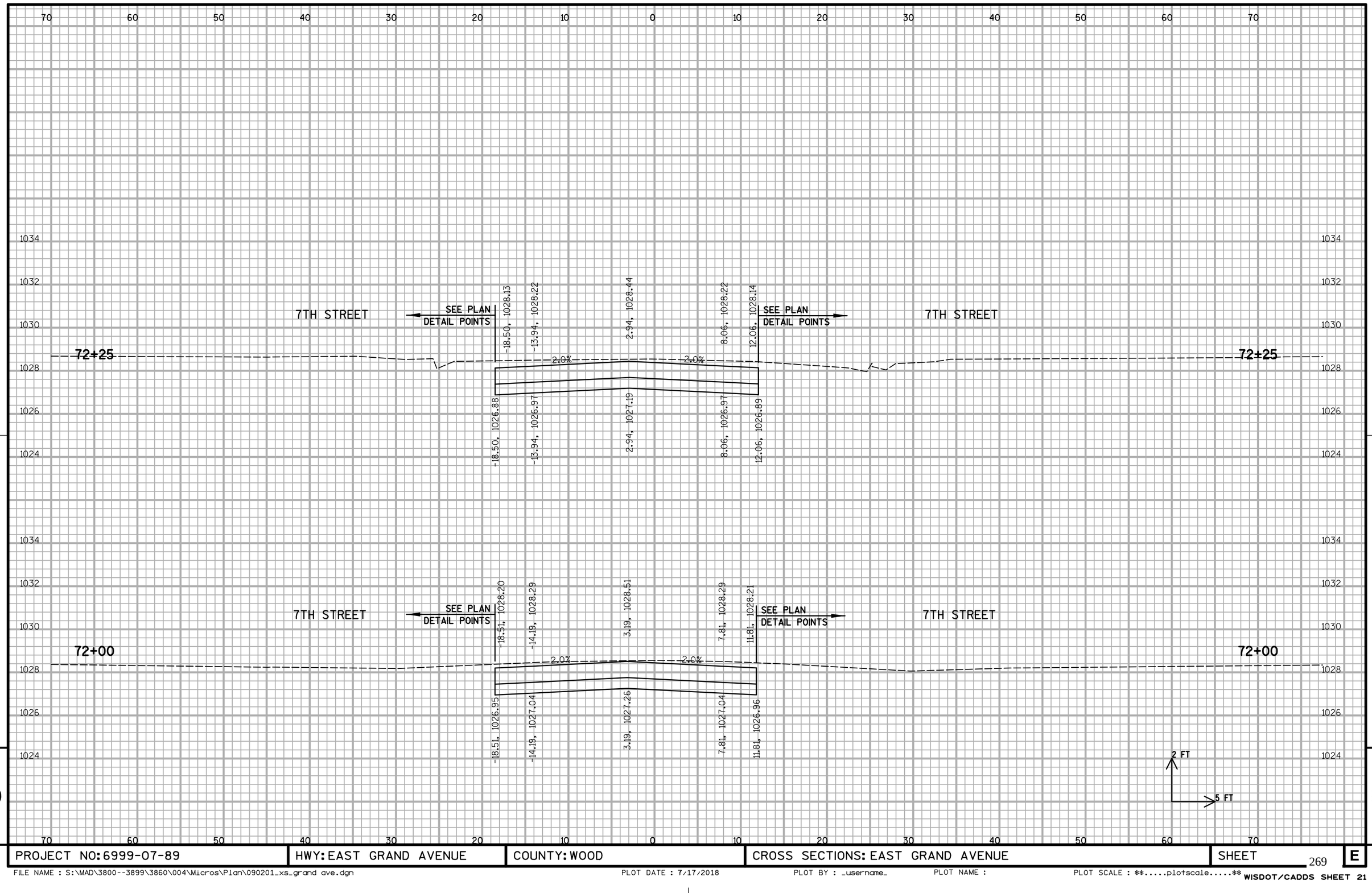
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



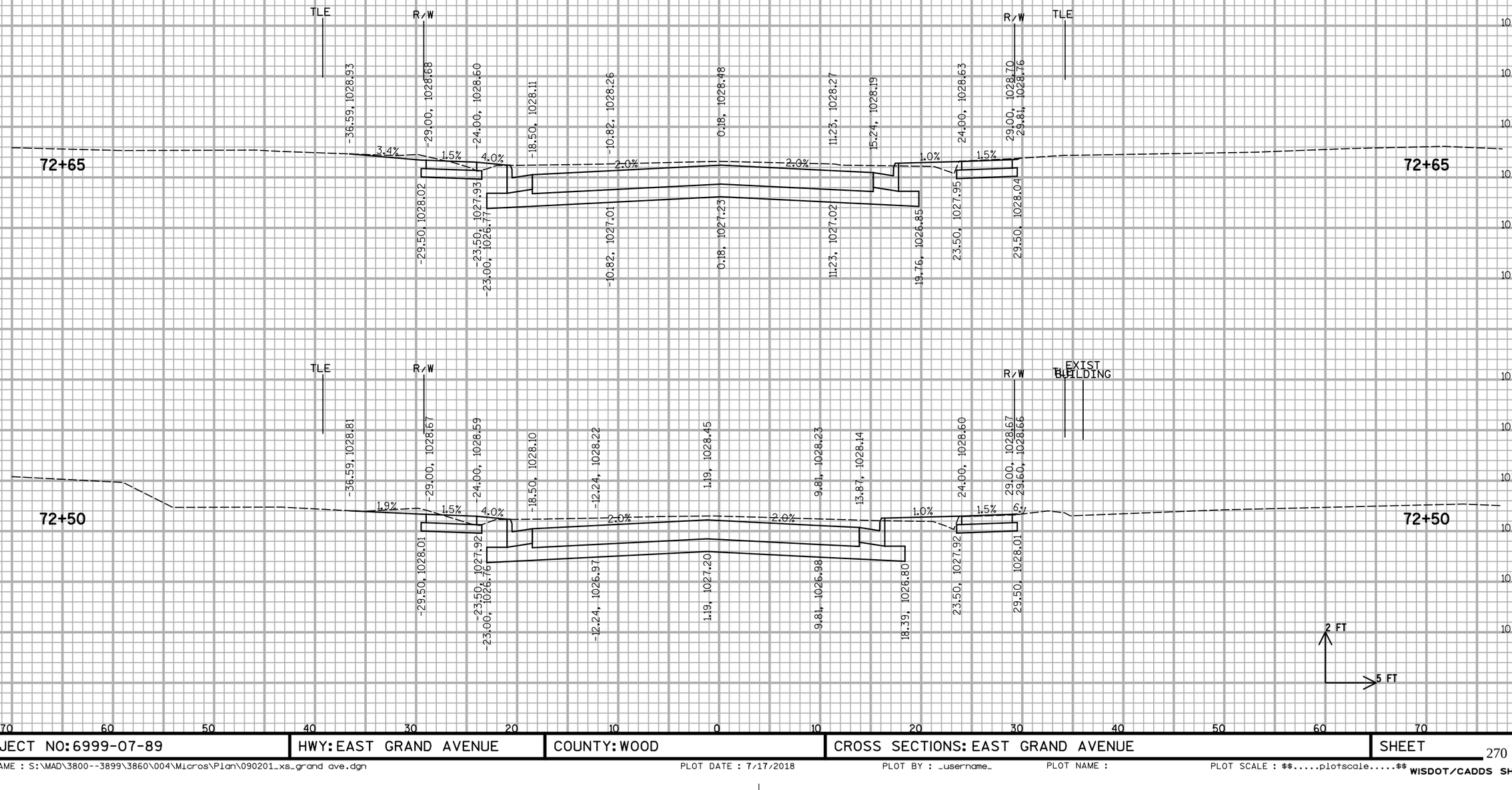
PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



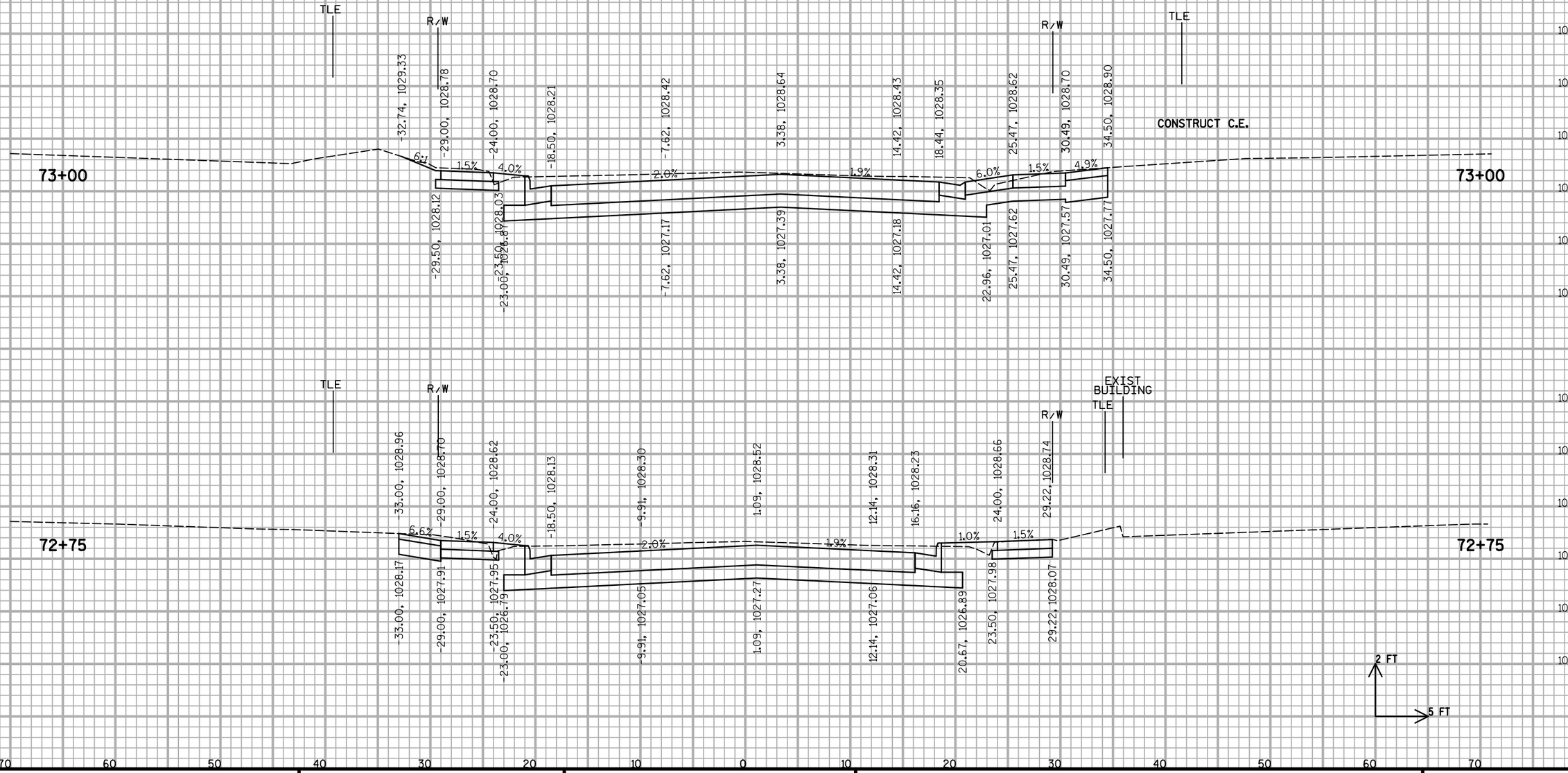
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 270	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

WISDOT/CADDS SHEET 21

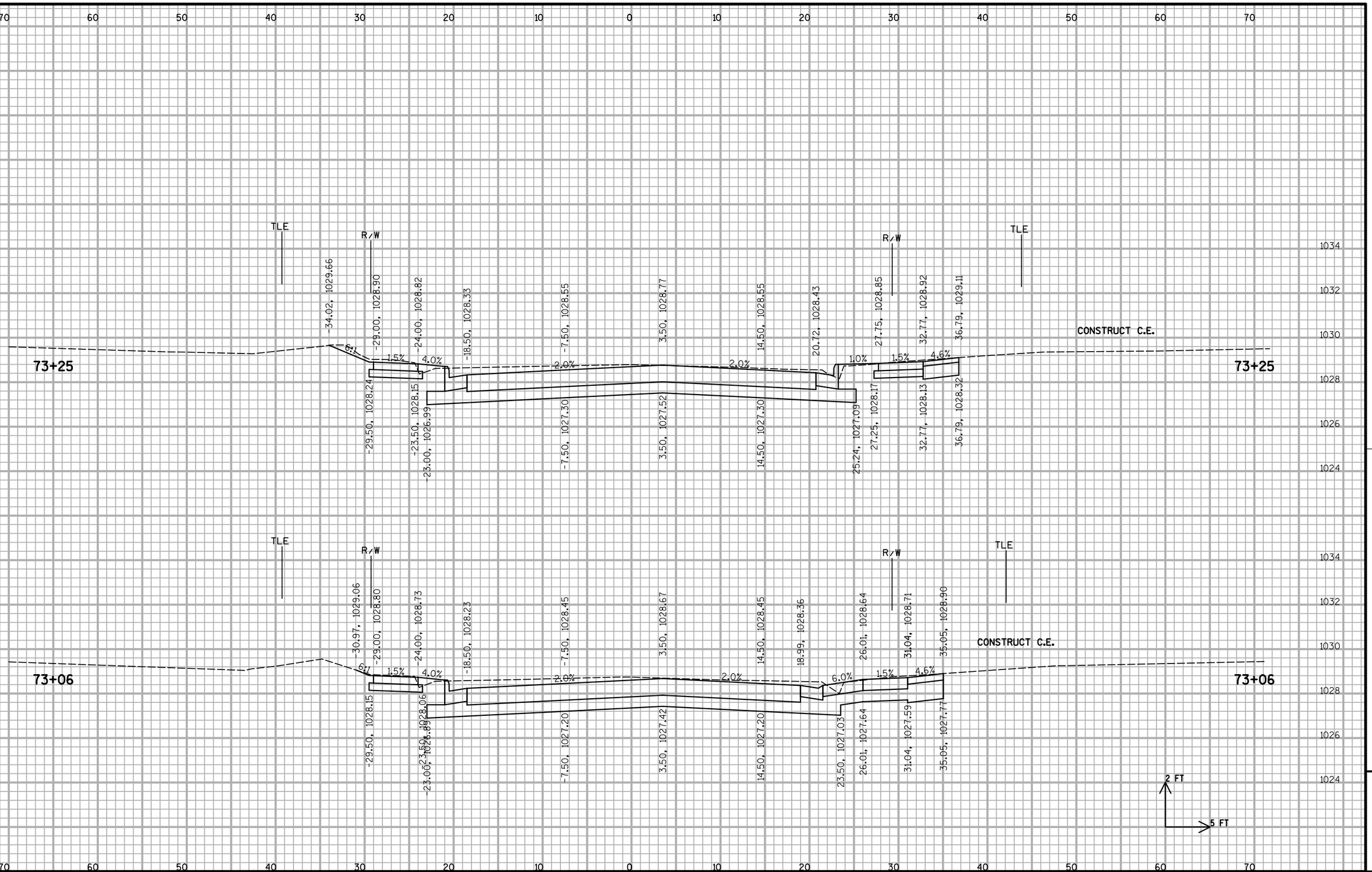


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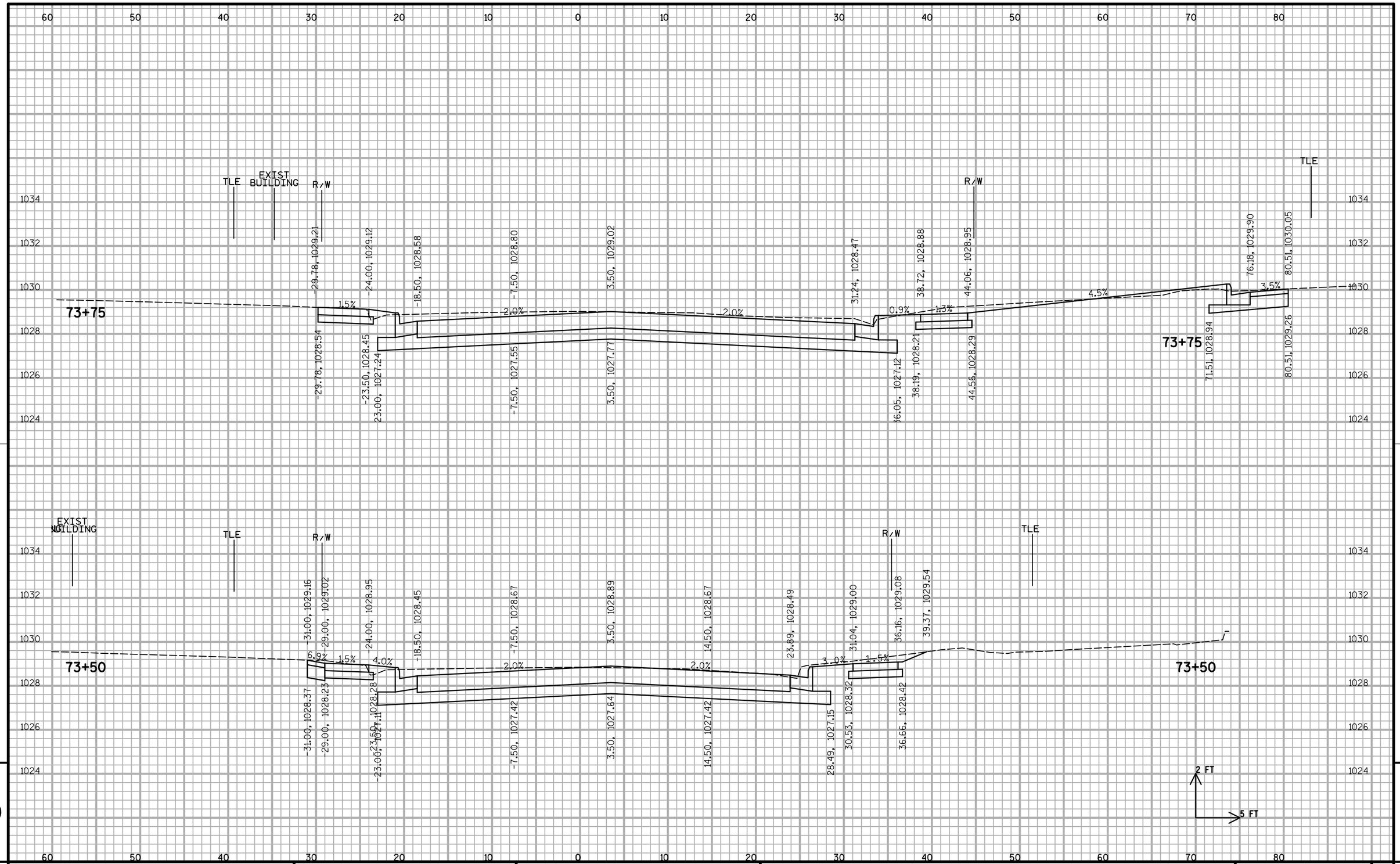
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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 272	E

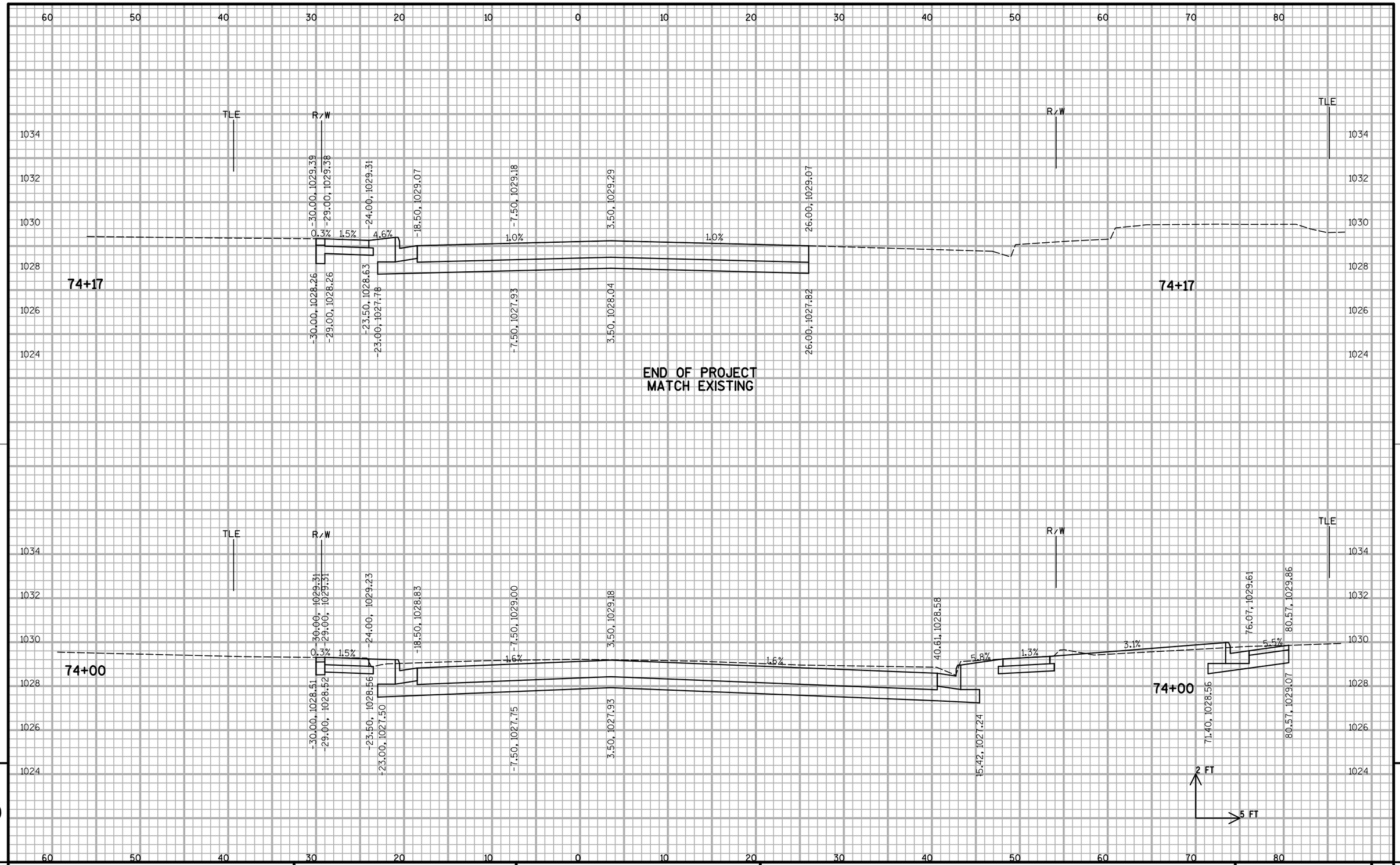


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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 273	E

FILE NAME : S:\MAD\3800--3899\3860\004\Micros\Plan\090201_xs_grand ave.dgn PLOT DATE : 7/17/2018 PLOT BY : _username_ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 21



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PROJECT NO: 6999-07-89	HWY: EAST GRAND AVENUE	COUNTY: WOOD	CROSS SECTIONS: EAST GRAND AVENUE	SHEET 274	E

Notes

Wisconsin Department of Transportation

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