

EAU
PROJECT ID:
WITH: N/A

7995-02-67

COUNTY:
EAU CLAIRE

JULY 2025
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 Plot
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	Gross Sections

TOTAL SHEETS = 40



DESIGN DESIGNATION

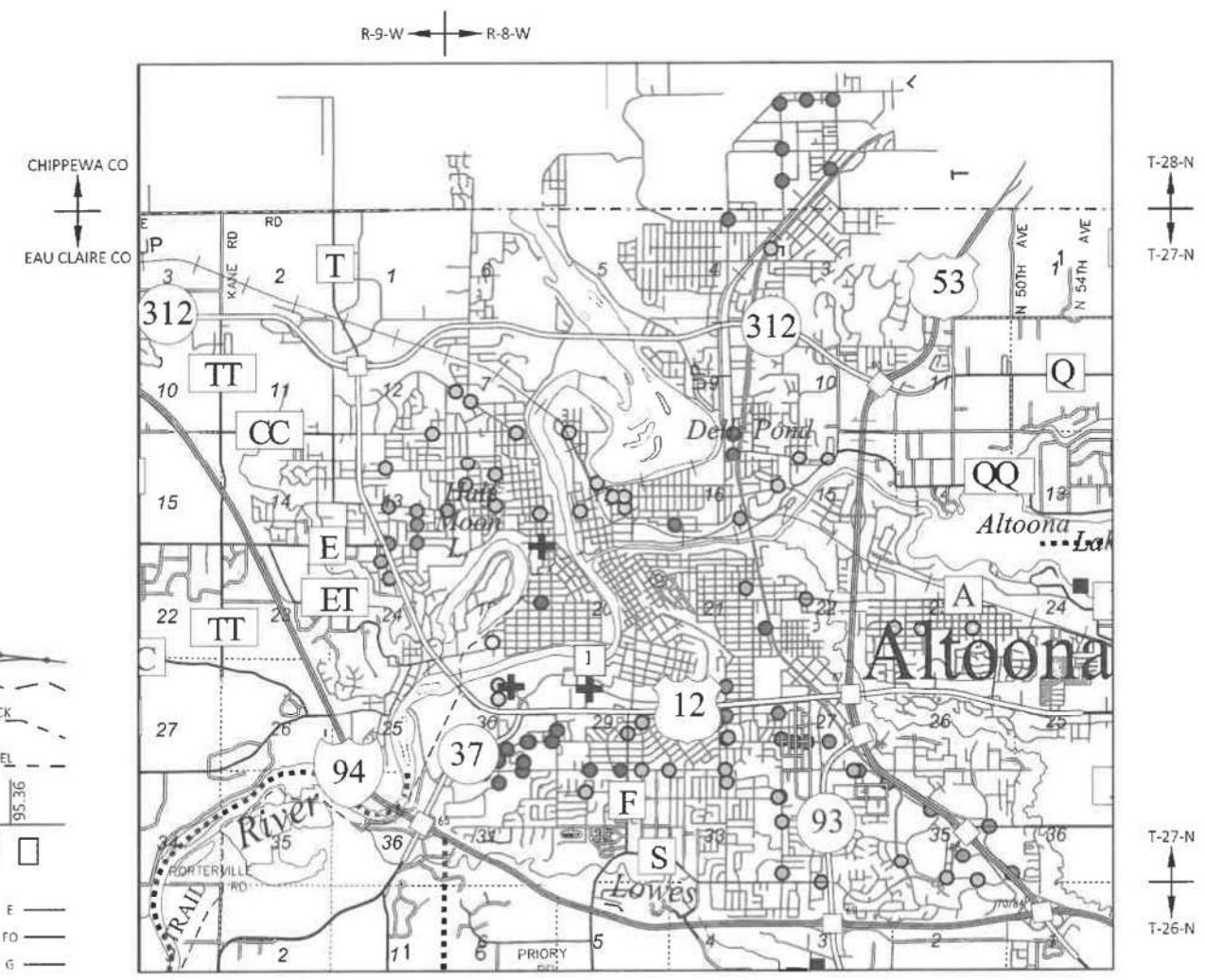
A.A.D.T.	=	N/A
A.A.D.T.	=	N/A
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	N/A
ESALS	=	N/A

CONVENTIONAL SYMBOLS

PLAN	PROFILE
CORPORATE LIMITS	GRADE LINE
PROPERTY LINE	ORIGINAL GROUND
LOT LINE	MARSH OR ROCK PROFILE (To be noted as such)
LIMITED HIGHWAY EASEMENT	SPECIAL DITCH
EXISTING RIGHT OF WAY	GRADE ELEVATION
PROPOSED OR NEW R/W LINE	CULVERT (Profile View)
SLOPE INTERCEPT	UTILITIES
REFERENCE LINE	ELECTRIC
EXISTING CULVERT	FIBER OPTIC
PROPOSED CULVERT (Box or Pipe)	GAS
COMBUSTIBLE FLUIDS	SANITARY SEWER
	STORM SEWER
	TELEPHONE
	WATER
MARSH AREA	UTILITY PEDESTAL
	POWER POLE
WOODED OR SHRUB AREA	TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
C EAU CLAIRE, VARIOUS LOCATIONS
CITY TRANSIT STOP IMPROVMENTS
VAR HWY
EAU CLAIRE COUNTY

STATE PROJECT NUMBER
7995-02-67



LAYOUT
SCALE 0 N/A
TOTAL NET LENGTH OF CENTERLINE = 0.000

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN
COORDINATE REFERENCE SYSTEM (WISCRS), EAU CLAIRE COUNTY,
NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID
COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES
ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED
ELEVATIONS ARE BASED ON GEOID 09.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
7995-02-67	WISC 2025485	1

ACCEPTED FOR
CITY OF EAU CLAIRE
1-22-25
Date
Transit Manager
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY
CORRE
ENGINEERING
MADISON | EAU CLAIRE | WAUKESHA | APPLETON | TOMAH | WAUSAU

WISCONSIN
KEVIN L. MEYER
E-33300-006
ELK MOUND WI
PROFESSIONAL ENGINEER
1/15/25

DATE: (Signature)

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	CORRE, INC.
Designer	CORRE, INC.
Project Manager	TOU YANG, PE
Regional Examiner	TOU YANG, PE
Regional Supervisor	TOU YANG, PE
APPROVED FOR THE DEPARTMENT	
DATE: 1/15/25	Tou X. Yang (Signature)

UTILITIES CONTACTS

AT&T
COMMUNICATION LINE
RICK PODOLAK
304 S DEWEY ST
EAU CLAIRE, WI 54701
PHONE: 715-410-0656
EMAIL: rp4514@att.com

CITY OF EAU CLAIRE
WATER
MIKE MANCL
1040 FOREST STREET
EAU CLAIRE, WI 54701
PHONE: 715-492-1802
EMAIL: michael.mancl@eauclairewi.gov

TDS METROCOM
COMMUNICATION LINE
CHUCK BEATTY
ADDRESS
CITY, STATE ZIP
PHONE: 715-841-9666
EMAIL: charles.beatty@tdstelecom.com

XCEL ENERGY
ELECTRICITY
DAVID MELSNESS
1400 WESTERN AVE
EAU CLAIRE, WI 54701
PHONE: 715-737-6026
EMAIL: david.j.melsness@xcelenergy.com

CITY OF EAU CLAIRE
SEWER
JAHN EBERHARDT
1040 FOREST STREET
EAU CLAIRE, WI 54703
PHONE: 715-271-5242
EMAIL: jahn.eberhardt@eauclairewi.gov

SPECTRUM
COMMUNICATION LINE
ROBERT STEPHENS
1201 McCANN DRIVE
ALTOONA, WI 54720
PHONE: 715-579-5594
EMAIL: robert.stephens@charter.com

WINDSTREAM
COMMUNICATION LINE
LORI KETTER
969 WAUBE LANE
GREEN BAY, WI 54304
PHONE: 920-410-6902
EMAIL: lori.ketter@windstream.com

XCEL ENERGY
GAS/PETROLEUM
BENJAMEN CARLI
1400 WESTERN AVE
EAU CLAIRE, WI 54703
PHONE: 715-928-3459
EMAIL: benjamin.j.carli@xcelenergy.com

WISCONSIN DNR LIAISON

LEAH NICOL
NW REGION
1300 W CLAIREMONT AVE
EAU CLAIRE, WI 54701
PHONE: 715-934-9014
EMAIL: leah.nicol@wisconsin.gov

CITY TRANSIT CONTACT

TY FADNESS
COMMUNITY SERVICES OPERATIONS MANAGER
910 FOREST ST
EAU CLAIRE, WI 54703
PHONE: 715-839-1875
EMAIL: tyler.fadness@eauclairewi.gov

DESIGN PROJECT MANAGER

KEVIN MEYER, P.E.
NW REGION
1802 WARDEN STREET
EAU CLAIRE, WI 54703
PHONE: 608-826-6121
EMAIL: kmeyer@correinc.com

GENERAL NOTES

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

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

RIGHT OF WAY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE.

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

TOPSOIL SHALL BE PLACED 1-INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS.

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

ORDER OF SECTION 2 DETAIL SHEETS

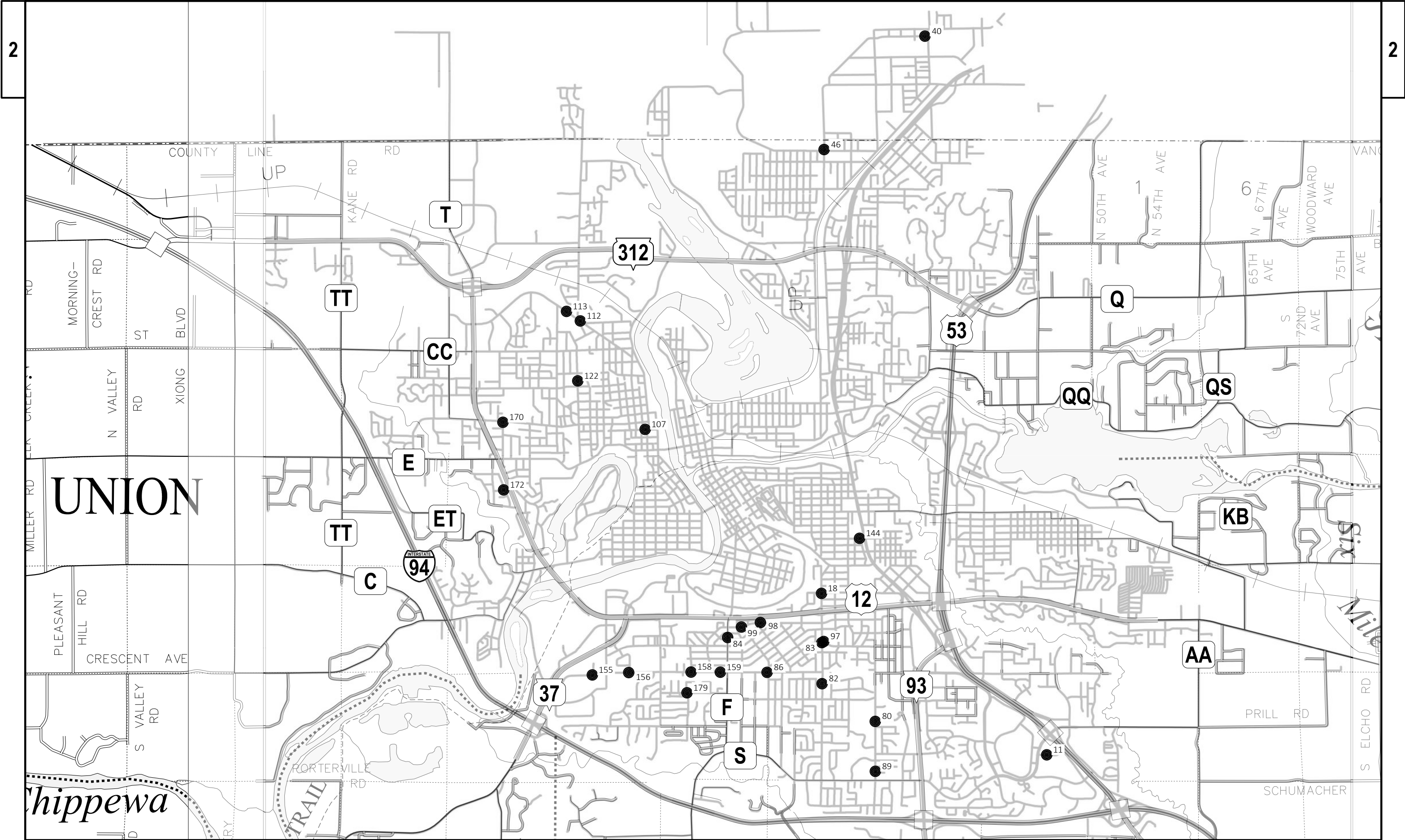
GENERAL NOTES
PROJECT OVERVIEW
CONSTRUCTION DETAILS
PLAN DETAILS



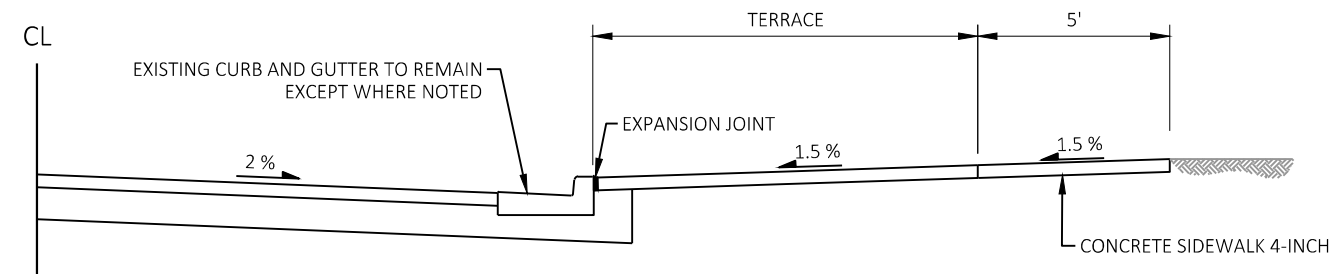
RUNOFF COEFFICIENT TABLE

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

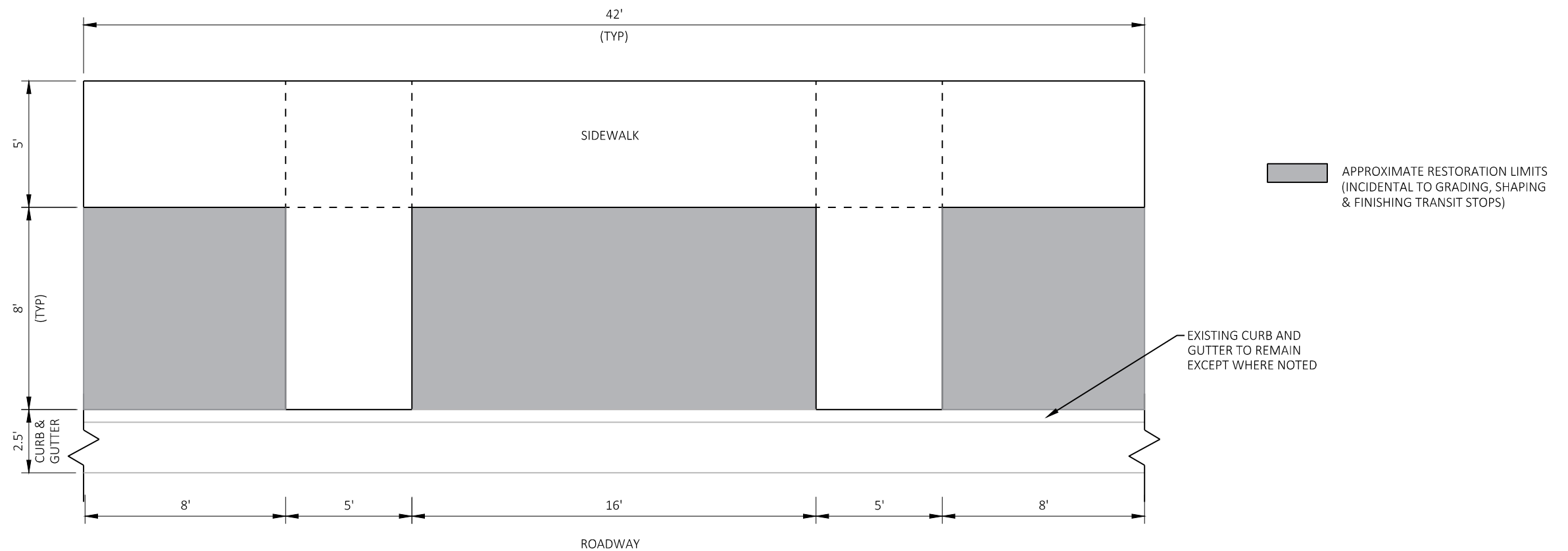
TOTAL PROJECT AREA = 0.7 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.35 ACRES



PROJECT NO: 7995-02-67	HWY: VAR HWY	COUNTY: EAU CLAIRE	PROJECT OVERVIEW	SHEET E
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TRANSIT LOADING AREA DETAIL
SECTION VIEW



TRANSIT LOADING AREA DETAIL
PLAN VIEW

PROJECT NO: 7995-02-67

HWY: VAR HWY

COUNTY: EAU CLAIRE

CONSTRUCTION DETAILS

SHEET

E

NOTE:
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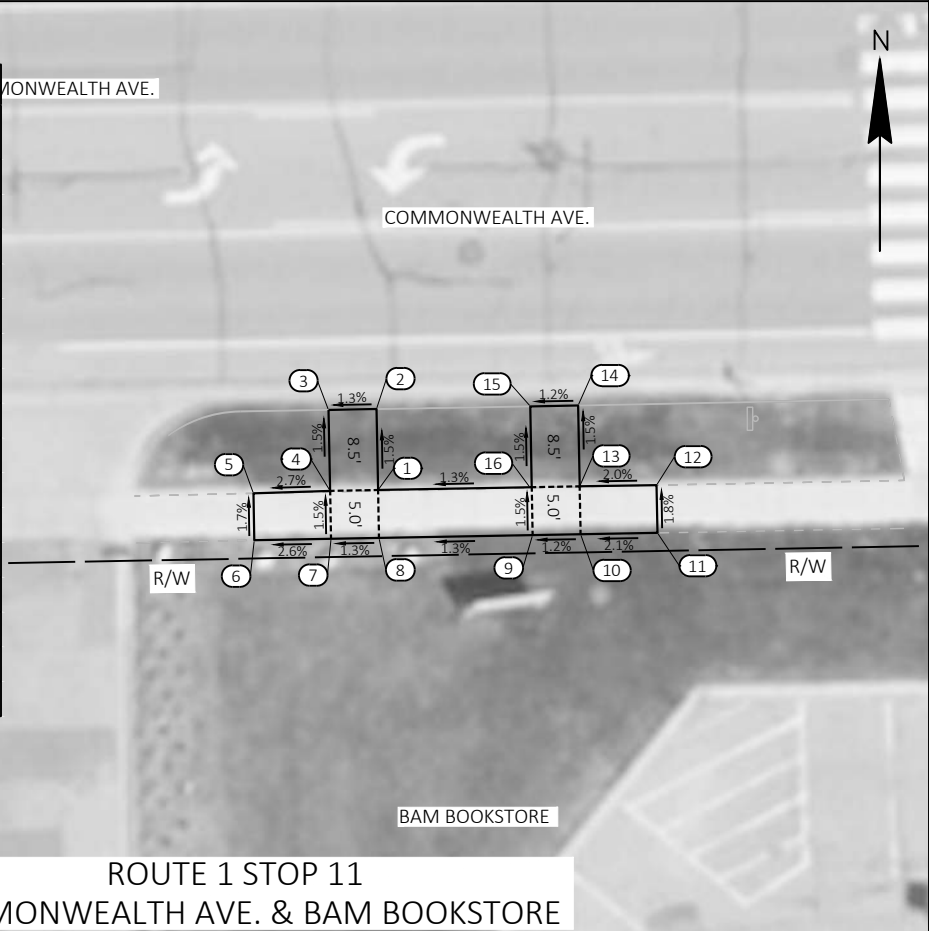
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- NOTES:
- 1. CONTRACTOR TO FIELD VERIFY GRADE, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO RAMP AND SIDEWALK CONSTRUCTION.
 - 2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 - 3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

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ROUTE 1 STP11-COMMON WEALTH - BAM BOOKSTORE			
POINT NO.	ELEVATION	Y	X
1	918.10	265195.38	355852.21
2	917.97	265203.81	355852.05
3	917.91	265203.72	355847.05
4	918.03	265195.29	355847.22
5	917.82	265195.03	355839.23
6	917.90	265190.15	355839.32
7	918.11	265190.29	355847.31
8	918.17	265190.38	355852.31
9	918.38	265190.67	355868.31
10	918.44	265190.76	355873.31
11	918.61	265190.91	355881.31
12	918.52	265195.88	355881.21
13	918.36	265195.76	355873.21
14	918.24	265204.18	355873.05
15	918.18	265204.09	355868.07
16	918.30	265195.62	355868.06

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"



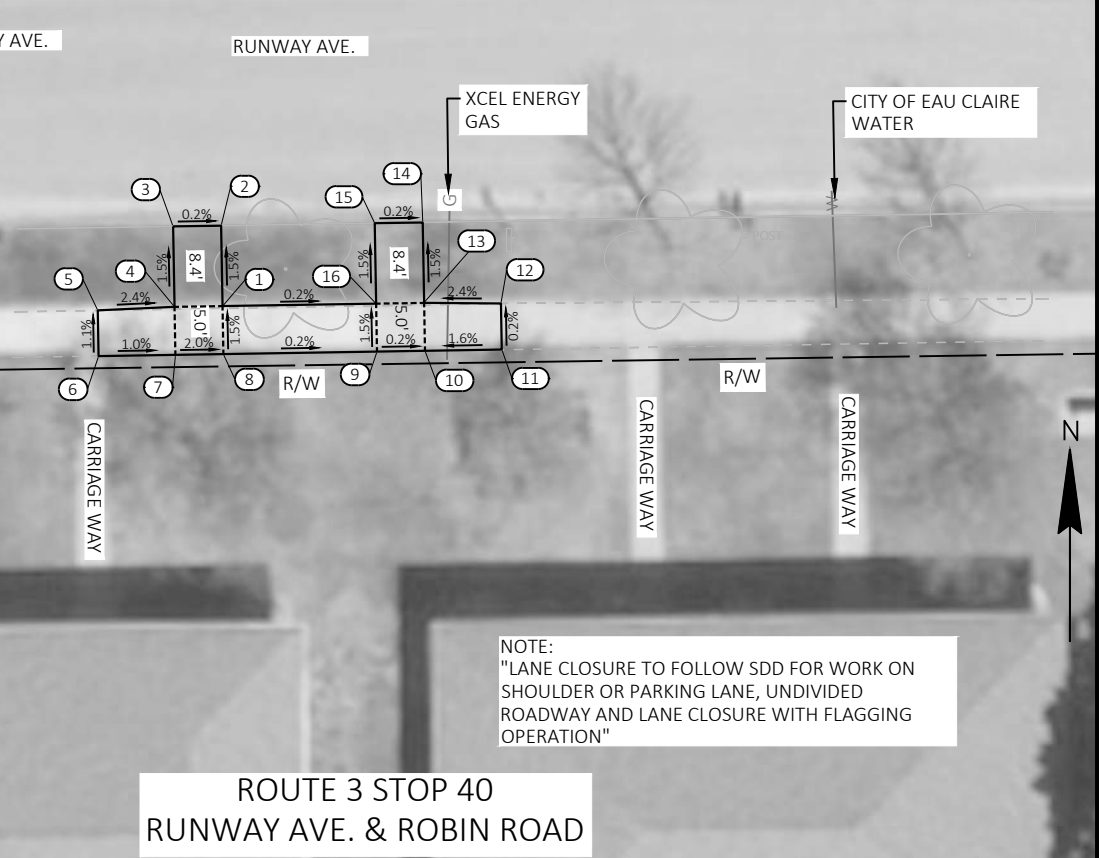
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ROUTE 3 STP40 - RUNWAY - ROBIN			
POINT NO.	ELEVATION	Y	X
1	888.68	300473.74	349866.54
2	888.56	300482.11	349866.39
3	888.57	300482.04	349861.39
4	888.69	300473.66	349861.54
5	888.89	300473.28	349853.55
6	888.94	300468.53	349853.63
7	888.86	300468.66	349861.63
8	888.76	300468.74	349866.63
9	888.72	300468.99	349882.63
10	888.71	300469.07	349887.63
11	888.83	300469.20	349895.63
12	888.83	300474.01	349895.54
13	888.63	300474.07	349887.54
14	888.51	300482.45	349887.39
15	888.52	300482.37	349882.39
16	888.64	300473.99	349882.54

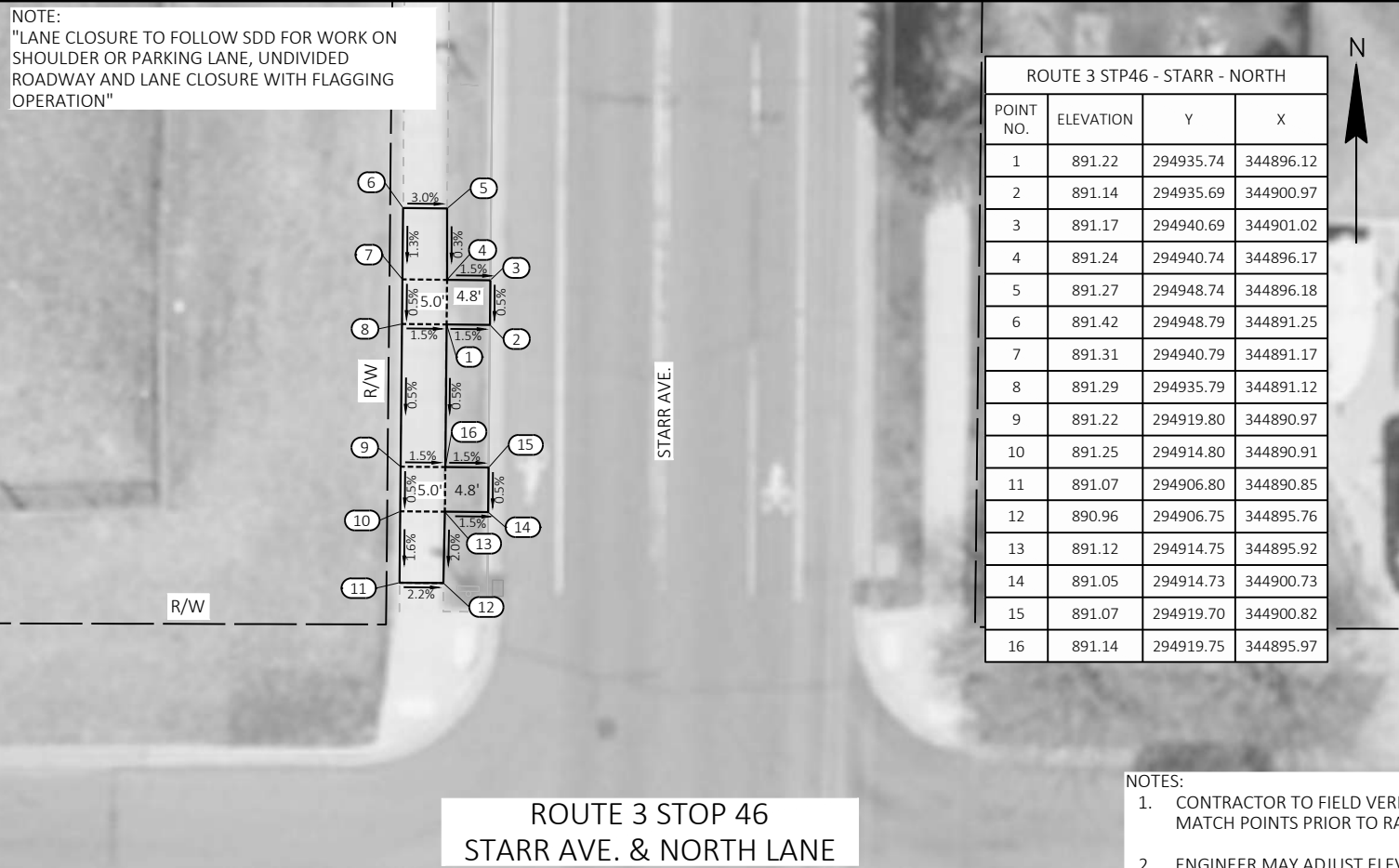


NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"

ROUTE 3 STOP 40
RUNWAY AVE. & ROBIN ROAD

2

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON
SHOULDER OR PARKING LANE, UNDIVIDED
ROADWAY AND LANE CLOSURE WITH FLAGGING
OPERATION"



ROUTE 3 STP46 - STARR - NORTH			
POINT NO.	ELEVATION	Y	X
1	891.22	294935.74	344896.12
2	891.14	294935.69	344900.97
3	891.17	294940.69	344901.02
4	891.24	294940.74	344896.17
5	891.27	294948.74	344896.18
6	891.42	294948.79	344891.25
7	891.31	294940.79	344891.17
8	891.29	294935.79	344891.12
9	891.22	294919.80	344890.97
10	891.25	294914.80	344890.91
11	891.07	294906.80	344890.85
12	890.96	294906.75	344895.76
13	891.12	294914.75	344895.92
14	891.05	294914.73	344900.73
15	891.07	294919.70	344900.82
16	891.14	294919.75	344895.97

NOTES:

1. CONTRACTOR TO FIELD VERIFY GRADE, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO RAMP AND SIDEWALK CONSTRUCTION.
2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

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PROJECT NO: 7995-02-67

HWY: VAR HWY

COUNTY: EAU CLAIRE

PLAN DETAILS

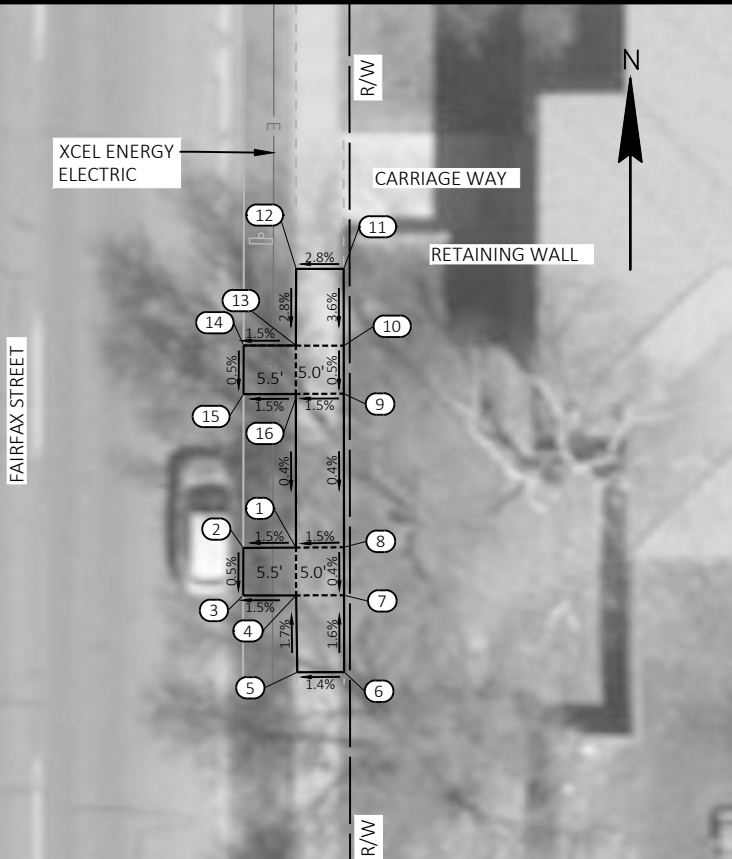
SHEET

E

ROUTE 4 STP80-FAIRFAX - SESSIONS			
POINT NO.	ELEVATION	Y	X
1	904.61	266830.37	347453.24
2	904.52	266830.34	347447.75
3	904.50	266825.39	347447.74
4	904.58	266825.39	347453.25
5	904.72	266817.39	347453.37
6	904.78	266817.40	347458.26
7	904.66	266825.40	347458.25
8	904.68	266830.40	347458.24
9	904.75	266846.40	347458.22
10	904.78	266851.40	347458.22
11	905.06	266859.40	347458.21
12	904.92	266859.39	347453.26
13	904.70	266851.41	347453.22
14	904.62	266851.42	347447.79
15	904.60	266846.34	347447.78
16	904.68	266846.15	347453.29

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"

ROUTE 5 STOP 80
FAIRFAX STREET & SESSIONS STREET



- NOTES:
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 2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

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ROUTE 5 STP82-RUDOLPH - LEHMAN			
POINT NO.	ELEVATION	Y	X
1	896.66	268713.10	344862.16
2	896.55	268713.14	344856.73
3	896.46	268708.14	344856.67
4	896.57	268708.10	344862.12
5	896.60	268700.10	344862.11
6	896.63	268700.17	344867.00
7	896.67	268708.11	344866.95
8	896.76	268713.11	344867.05
9	897.05	268729.05	344867.28
10	897.13	268734.05	344867.29
11	897.50	268742.05	344867.38
12	897.31	268742.09	344862.53
13	897.03	268734.10	344862.32
14	896.93	268734.14	344856.98
15	896.84	268729.14	344856.91
16	896.95	268729.10	344862.28

NOTE:
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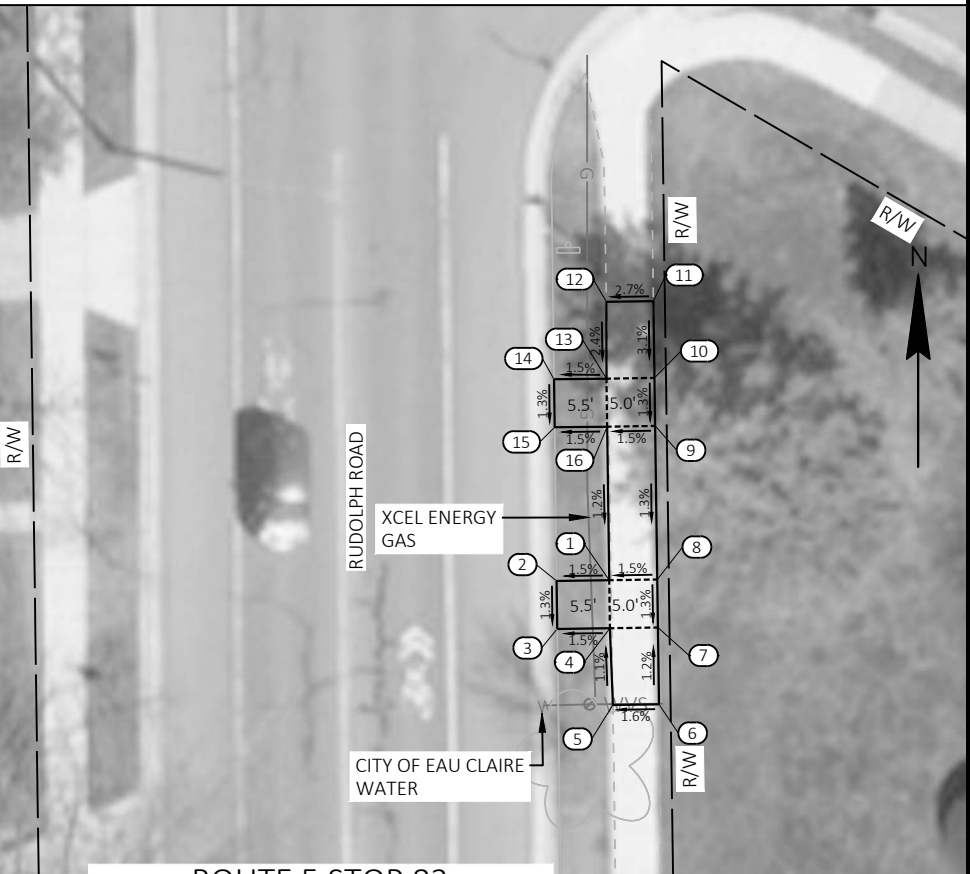
ROUTE 5 STOP 82
RUDOLPH ROAD & LEHMAN STREET

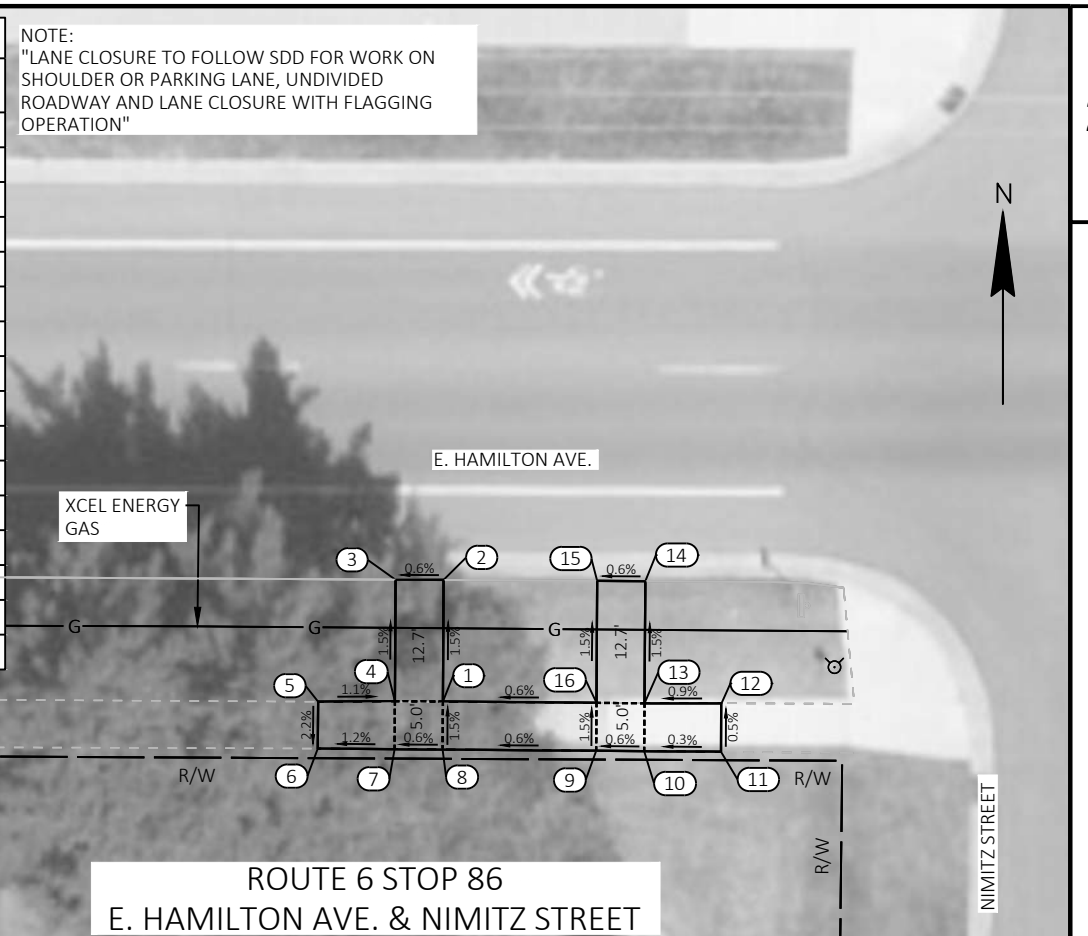


ROUTE 5 STP83-RUDOLPH - SKEELS			
POINT NO.	ELEVATION	Y	X
1	899.50	270743.89	344849.84
2	899.41	270743.82	344844.36
3	899.35	270738.82	344844.43
4	899.43	270738.89	344849.91
5	899.52	270730.90	344850.23
6	899.60	270730.96	344855.02
7	899.51	270738.96	344854.91
8	899.57	270743.96	344854.84
9	899.77	270759.96	344854.62
10	899.84	270764.96	344854.55
11	900.09	270772.96	344854.44
12	899.96	270772.89	344849.54
13	899.76	270764.88	344849.55
14	899.68	270764.82	344844.09
15	899.62	270759.82	344844.15
16	899.70	270759.88	344849.62

NOTE:
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ROUTE 5 STOP 83
RUDOLPH ROAD & SKEELS AVE.





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 - 2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 - 3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

ROUTE 6 STP97-RUDOLPH - SKEELS			
POINT NO.	ELEVATION	Y	X
1	901.58	270833.95	344909.93
2	901.44	270826.04	344905.31
3	901.52	270823.66	344909.71
4	901.66	270831.42	344914.24
5	902.39	270825.37	344924.73
6	902.53	270829.68	344927.13
7	901.73	270835.72	344916.76
8	901.66	270838.26	344912.45
9	901.42	270846.34	344898.64
10	901.34	270848.86	344894.32
11	901.84	270852.90	344887.41
12	901.77	270848.68	344884.95
13	901.27	270844.54	344891.80
14	901.12	270836.05	344886.83
15	901.20	270833.67	344891.23
16	901.34	270842.02	344896.11

NOTE:
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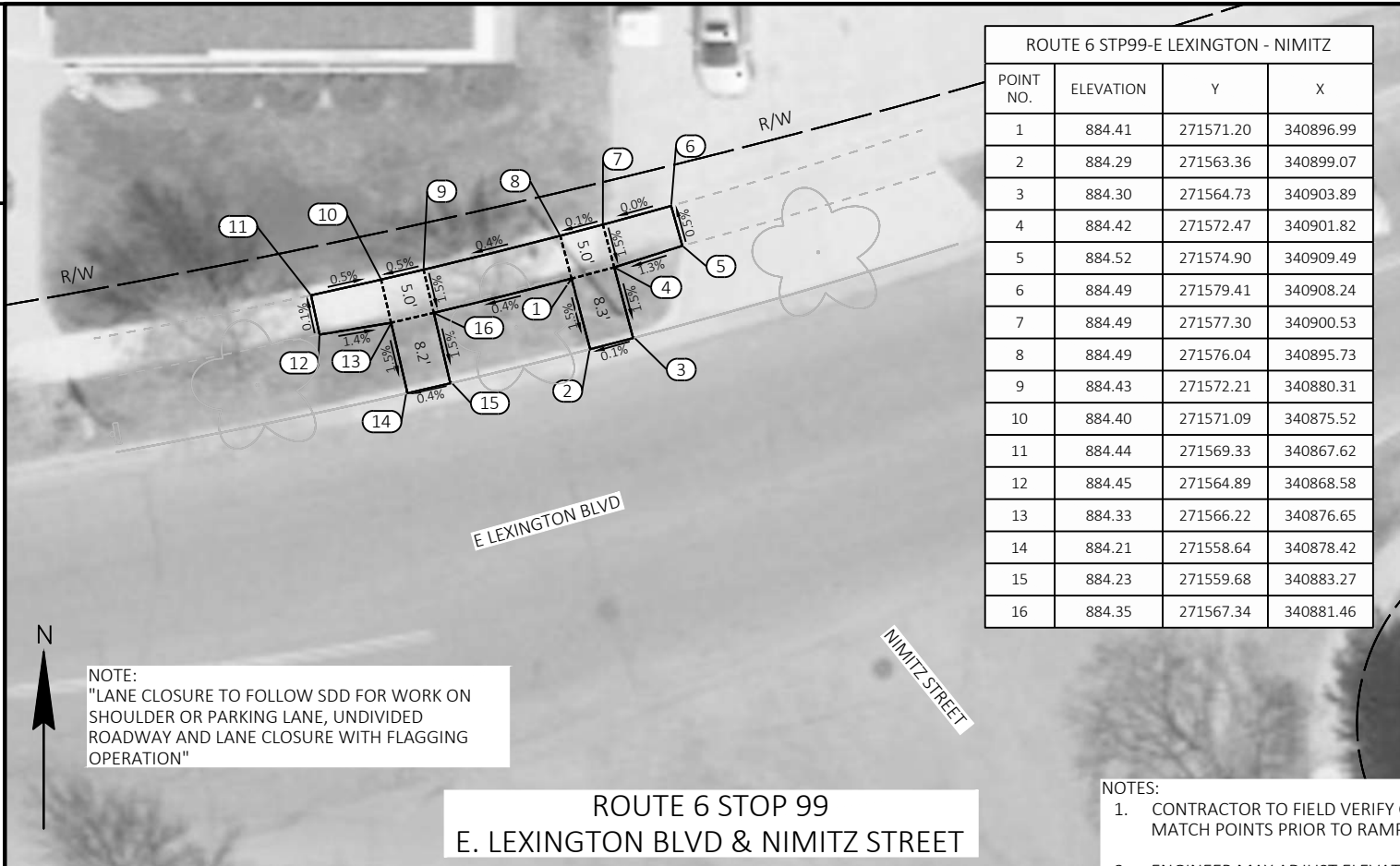
ROUTE 6 STOP 97
RUDOLPH ROAD & SKEELS AVE.

ROUTE 6 STP98-E LEXINGTON - MAY			
POINT NO.	ELEVATION	Y	X
1	882.19	271752.11	341806.98
2	882.07	271743.68	341807.03
3	882.11	271743.68	341812.03
4	882.24	271752.13	341811.99
5	882.71	271752.32	341821.99
6	882.68	271757.18	341821.97
7	882.32	271757.13	341811.97
8	882.27	271757.11	341806.97

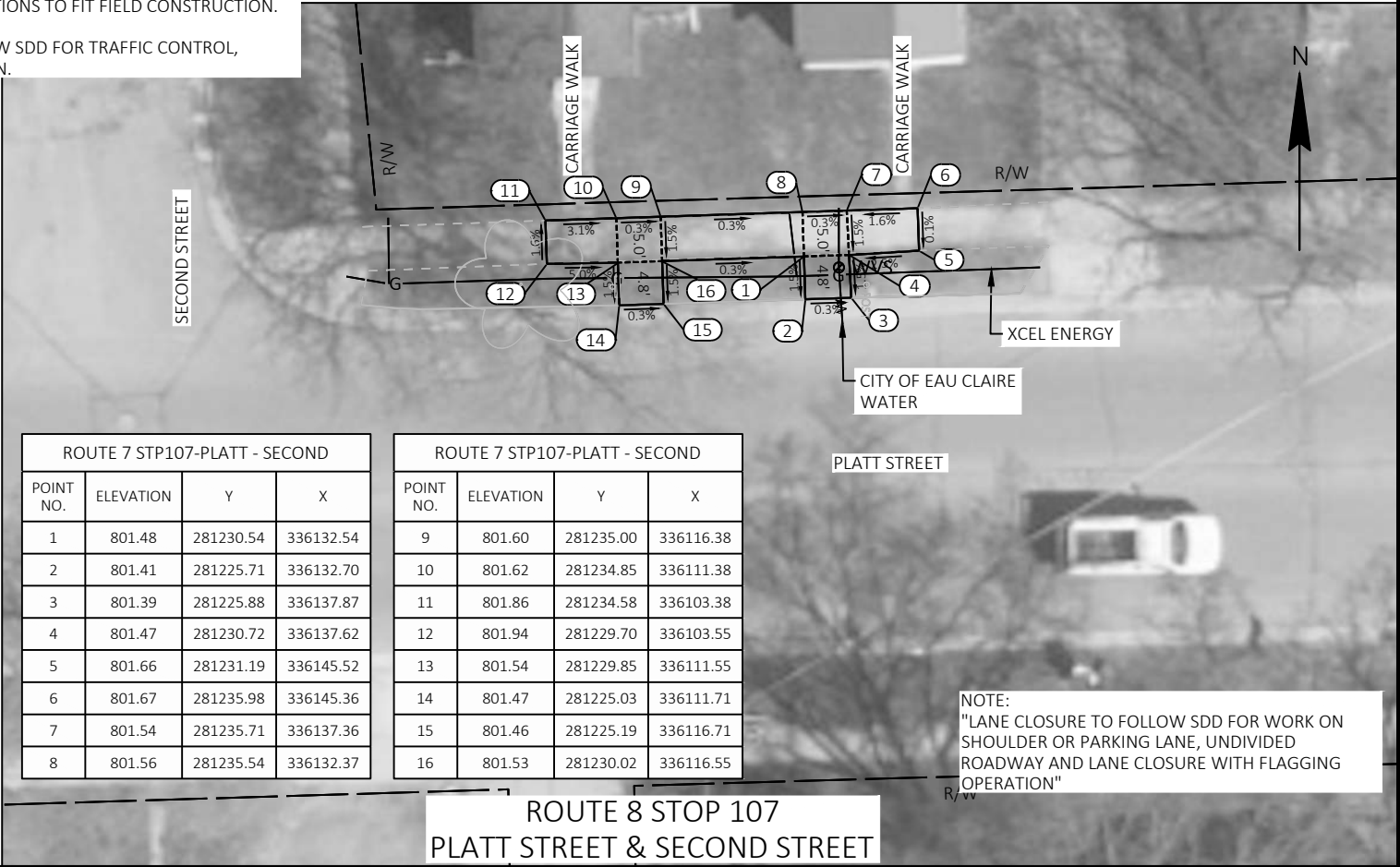
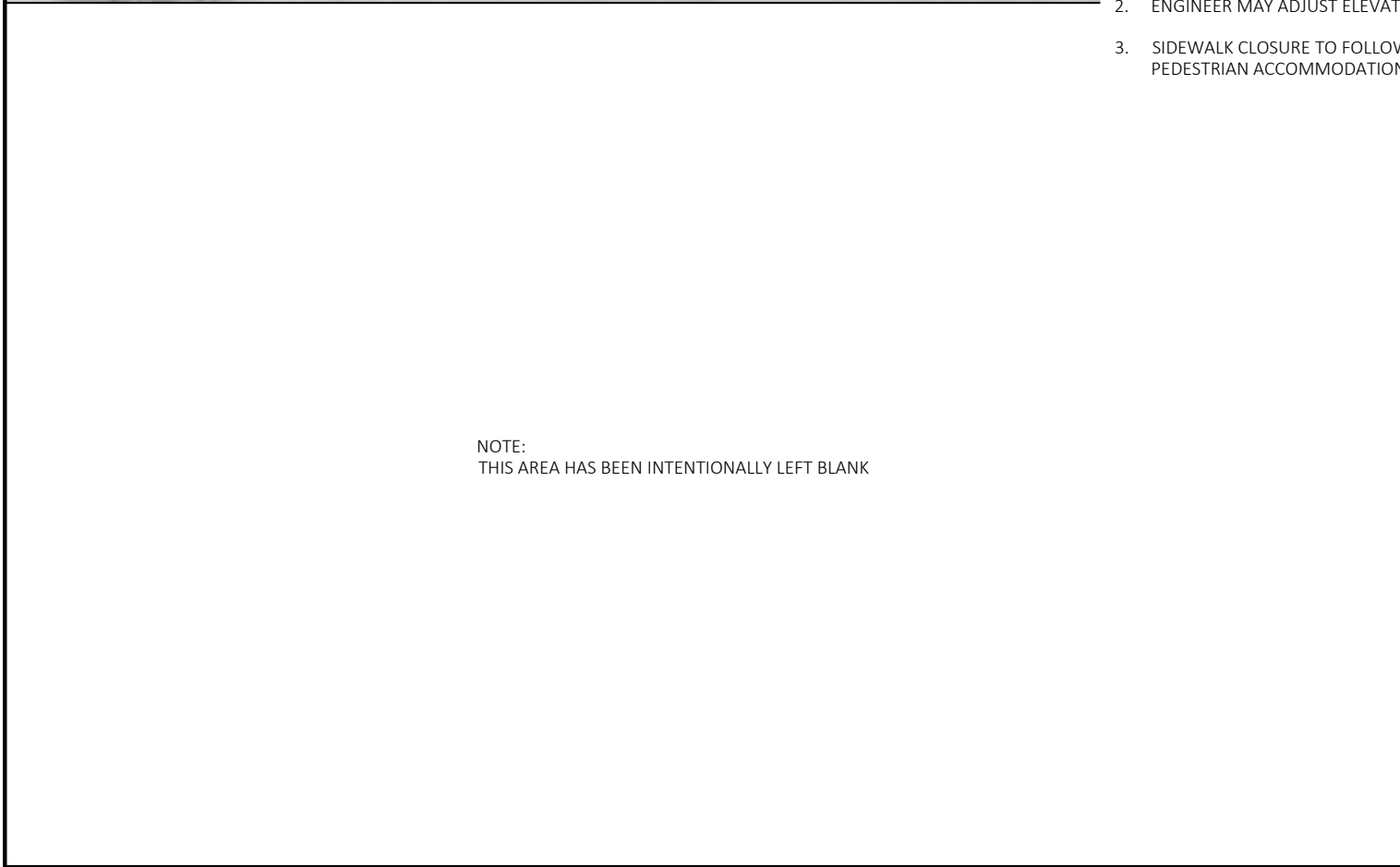
ROUTE 6 STP98-E LEXINGTON - MAY			
POINT NO.	ELEVATION	Y	X
9	882.25	271757.05	341790.97
10	882.30	271757.03	341785.97
11	882.44	271756.99	341777.97
12	882.31	271752.11	341777.99
13	882.23	271752.03	341785.98
14	882.10	271743.69	341786.03
15	882.05	271743.69	341791.03
16	882.18	271752.05	341790.98

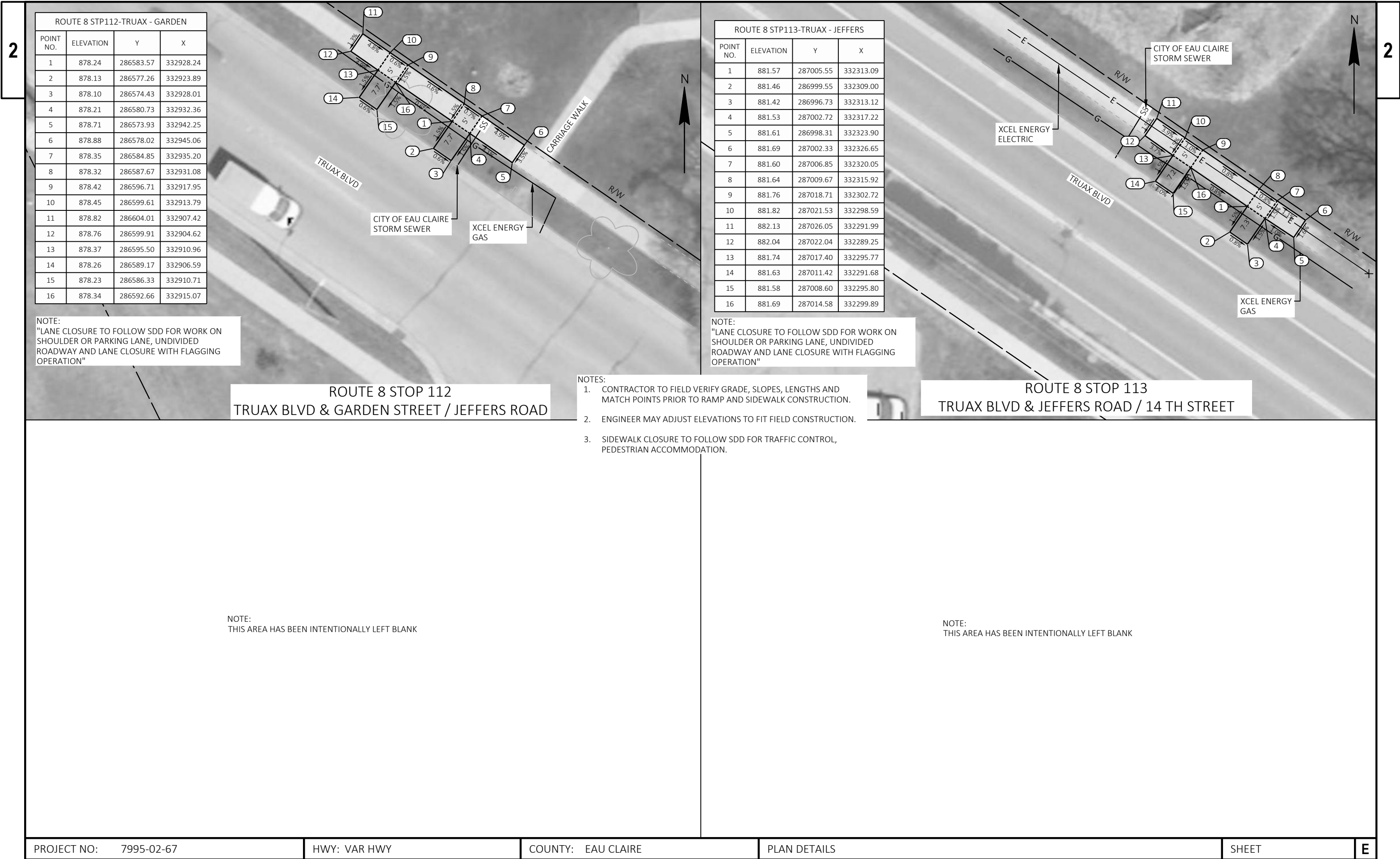
ROUTE 6 STOP 98
E. LEXINGTON BLVD & MAY STREET

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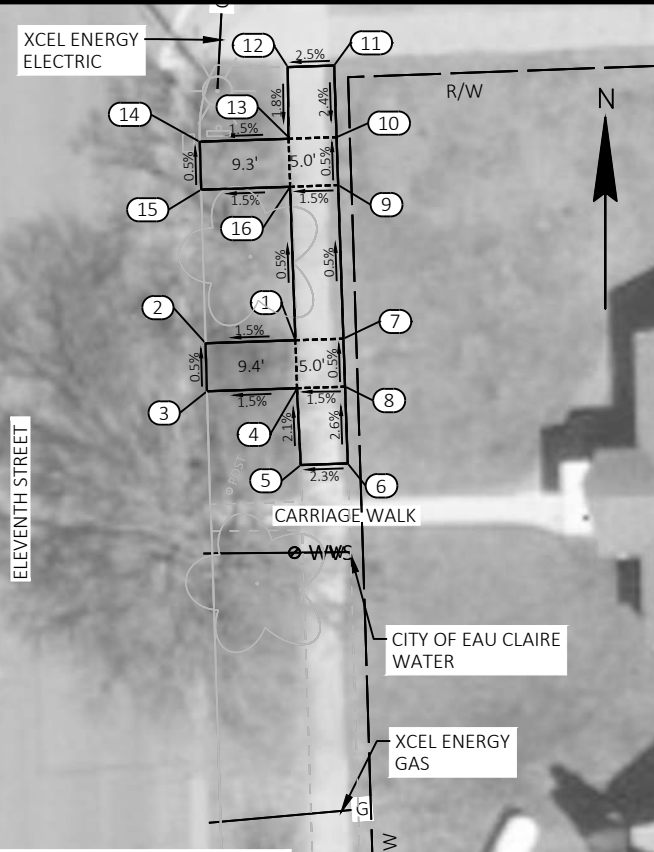




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ROADWAY AND LANE CLOSURE WITH FLAGGING
OPERATION"

ROUTE 8 STP122-ELEVENTH - GILBERT			
POINT NO.	ELEVATION	Y	X
1	869.54	283577.47	332862.91
2	869.40	283577.15	332853.54
3	869.43	283572.16	332853.69
4	869.57	283572.47	332863.08
5	869.74	283564.48	332863.45
6	869.85	283564.64	332868.35
7	869.62	283577.64	332867.90
8	869.64	283572.64	332868.07
9	869.53	283593.63	332867.36
10	869.50	283598.62	332867.19
11	869.68	283606.08	332866.93
12	869.56	283605.92	332862.10
13	869.43	283598.46	332862.34
14	869.29	283598.15	332852.94
15	869.32	283593.15	332853.08
16	869.46	283593.46	332862.36

ROUTE 8 STOP 122
ELEVENTH STREET & GILBERT STREET



- NOTES:
1. CONTRACTOR TO FIELD VERIFY GRADE, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO RAMP AND SIDEWALK CONSTRUCTION.
 2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

NOTE:
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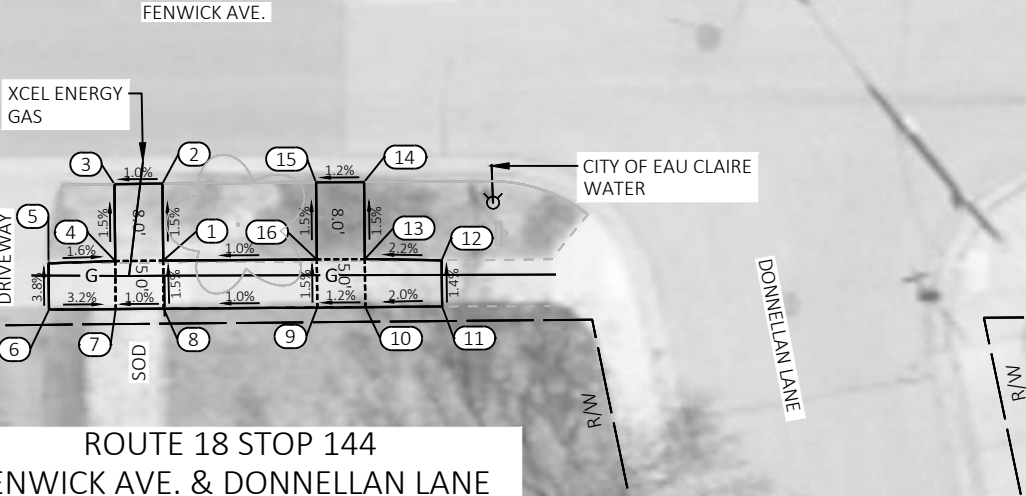
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ROUTE 18 STP144-FENWICK - DONNELLAN			
POINT NO.	ELEVATION	Y	X
1	885.80	275835.57	346650.83
2	885.68	275843.59	346650.75
3	885.63	275843.54	346645.75
4	885.75	275835.53	346645.84
5	885.86	275835.29	346638.89
6	886.05	275830.48	346638.94
7	885.83	275830.55	346645.89
8	885.88	275830.57	346650.89
9	886.04	275830.70	346666.89
10	886.09	275830.74	346671.88
11	886.26	275830.80	346679.88
12	886.19	275835.62	346679.84
13	886.02	275835.74	346671.83
14	885.90	275843.76	346671.75
15	885.84	275843.72	346666.75
16	885.96	275835.70	346666.83

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"



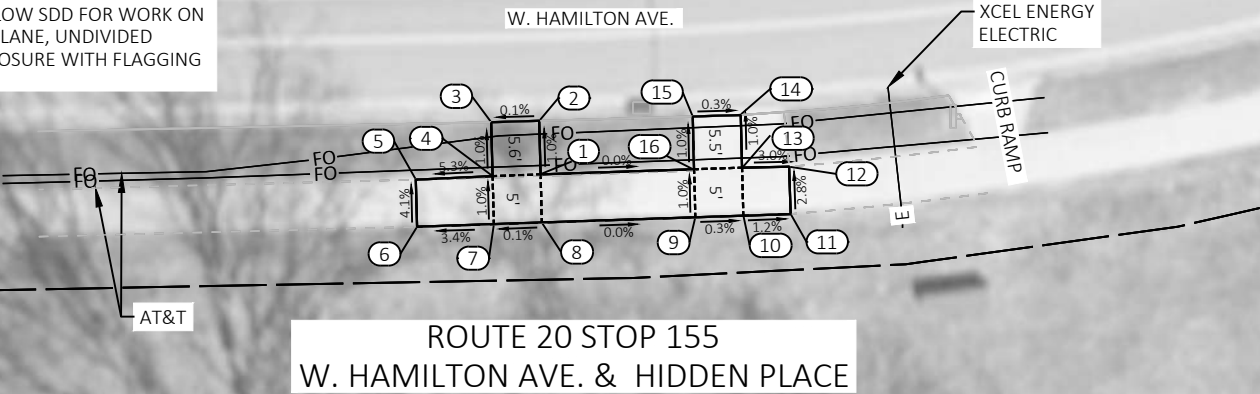
- NOTES:
- 1. CONTRACTOR TO FIELD VERIFY GRADE, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO RAMP AND SIDEWALK CONSTRUCTION.
 - 2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 - 3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

ROUTE 18 STOP 144
FENWICK AVE. & DONNELLAN LANE

ROUTE 20 STP155-W HAMILTON - HIDDEN PLC			
POINT NO.	ELEVATION	Y	X
1	848.59	269118.96	333549.29
2	848.54	269124.54	333549.15
3	848.53	269124.41	333544.15
4	848.59	269118.79	333544.29
5	848.17	269118.42	333536.30
6	848.37	269113.52	333536.43
7	848.64	269113.77	333544.42
8	848.64	269113.95	333549.42

ROUTE 20 STP155-W HAMILTON - HIDDEN PLC			
POINT NO.	ELEVATION	Y	X
9	848.64	269114.49	333565.41
10	848.63	269114.67	333570.41
11	848.57	269114.86	333575.34
12	848.43	269119.78	333575.17
13	848.58	269119.67	333570.28
14	848.52	269125.15	333570.09
15	848.54	269125.00	333565.14
16	848.59	269119.36	333565.37

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"



ROUTE 20 STOP 155
W. HAMILTON AVE. & HIDDEN PLACE

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"

ROUTE 20 STP156-ELDORADO - W HAMILTON			
POINT NO.	ELEVATION	Y	X
1	876.79	269248.93	335325.03
2	876.61	269261.11	335324.75
3	876.70	269261.02	335319.76
4	876.88	269248.82	335320.03
5	876.95	269248.48	335312.03
6	876.99	269243.64	335312.15
7	876.96	269243.82	335320.14
8	876.87	269243.93	335325.14

ROUTE 20 STP156-ELDORADO - W HAMILTON			
POINT NO.	ELEVATION	Y	X
9	876.59	269244.29	335341.14
10	876.50	269244.41	335346.13
11	876.52	269244.59	335354.14
12	876.41	269249.47	335354.02
13	876.42	269249.40	335346.03
14	876.24	269261.50	335345.75
15	876.33	269261.41	335340.75
16	876.51	269249.29	335341.03

W. HAMILTON AVE.



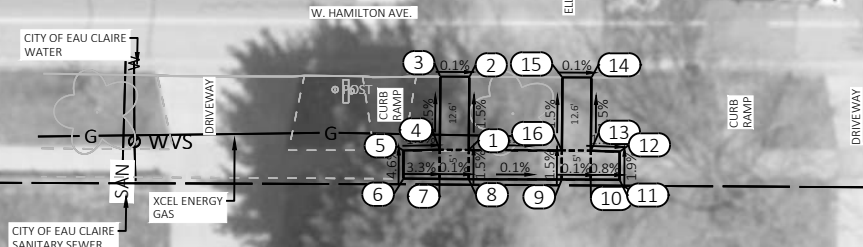
ROUTE 20 STOP 156
ELDORADO BLVD & W. HAMILTON AVE.

2

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON
SHOULDER OR PARKING LANE, UNDIVIDED
ROADWAY AND LANE CLOSURE WITH FLAGGING
OPERATION"

ROUTE 20 STP158-ELLIS - W HAMILTON			
POINT NO.	ELEVATION	Y	X
1	877.84	269271.43	338429.55
2	877.65	269284.02	338429.64
3	877.66	269284.05	338424.64
4	877.85	269271.46	338424.55
5	877.91	269271.32	338418.32
6	878.13	269266.49	338418.29
7	877.93	269266.46	338424.51
8	877.92	269266.43	338429.51

ROUTE 20 STP158-ELLIS - W HAMILTON			
POINT NO.	ELEVATION	Y	X
9	877.90	269266.34	338445.51
10	877.89	269266.31	338450.51
11	877.85	269266.31	338455.47
12	877.76	269271.13	338455.49
13	877.81	269271.31	338450.55
14	877.62	269283.90	338450.64
15	877.63	269283.93	338445.64
16	877.82	269271.34	338445.55



ROUTE 20 STOP 158
ELLIS STREET & W. HAMILTON AVE.

NOTE:
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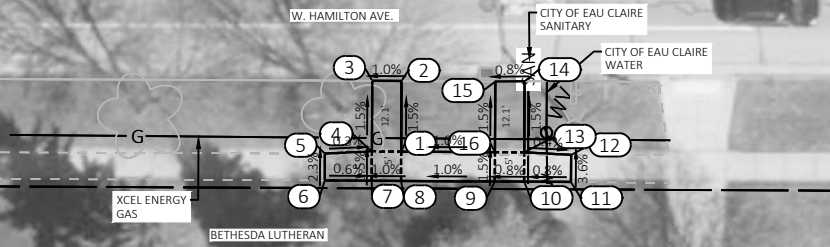
N

A simple black arrow pointing upwards, indicating North. The letter 'N' is positioned above the arrowhead.

NOTE:
"LANE CLOSURE TO FOLLOW SDD FOR WORK ON SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY AND LANE CLOSURE WITH FLAGGING OPERATION"

ROUTE 20 STP159- W HAMILTON - BETHESDA LUTH			
POINT NO.	ELEVATION	Y	X
1	882.93	269264.69	339830.62
2	882.75	269276.75	339830.68
3	882.69	269276.78	339825.68
4	882.88	269264.72	339825.62
5	882.90	269264.34	339817.61
6	883.00	269259.77	339817.59
7	882.95	269259.72	339825.59
8	883.00	269259.69	339830.59

ROUTE 20 STP159- W HAMILTON - BETHESDA LUTH			
POINT NO.	ELEVATION	Y	X
9	883.16	269259.60	339846.59
10	883.20	269259.57	339851.59
11	883.26	269259.52	339859.59
12	883.09	269264.13	339859.61
13	883.12	269264.57	339851.61
14	882.94	269276.71	339851.68
15	882.90	269276.66	339846.68
16	883.08	269264.60	339846.63



ROUTE 20 STOP 159
W. HAMILTON AVE. & BETHESDA LUTHERAN

NOTE:
THIS AREA HAS BEEN INTENTIONALLY LEFT BLANK

2

- NOTES:
1. CONTRACTOR TO FIELD VERIFY GRADE, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO RAMP AND SIDEWALK CONSTRUCTION.
 2. ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION.
 3. SIDEWALK CLOSURE TO FOLLOW SDD FOR TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION.

PROJECT NO: 7995-02-67

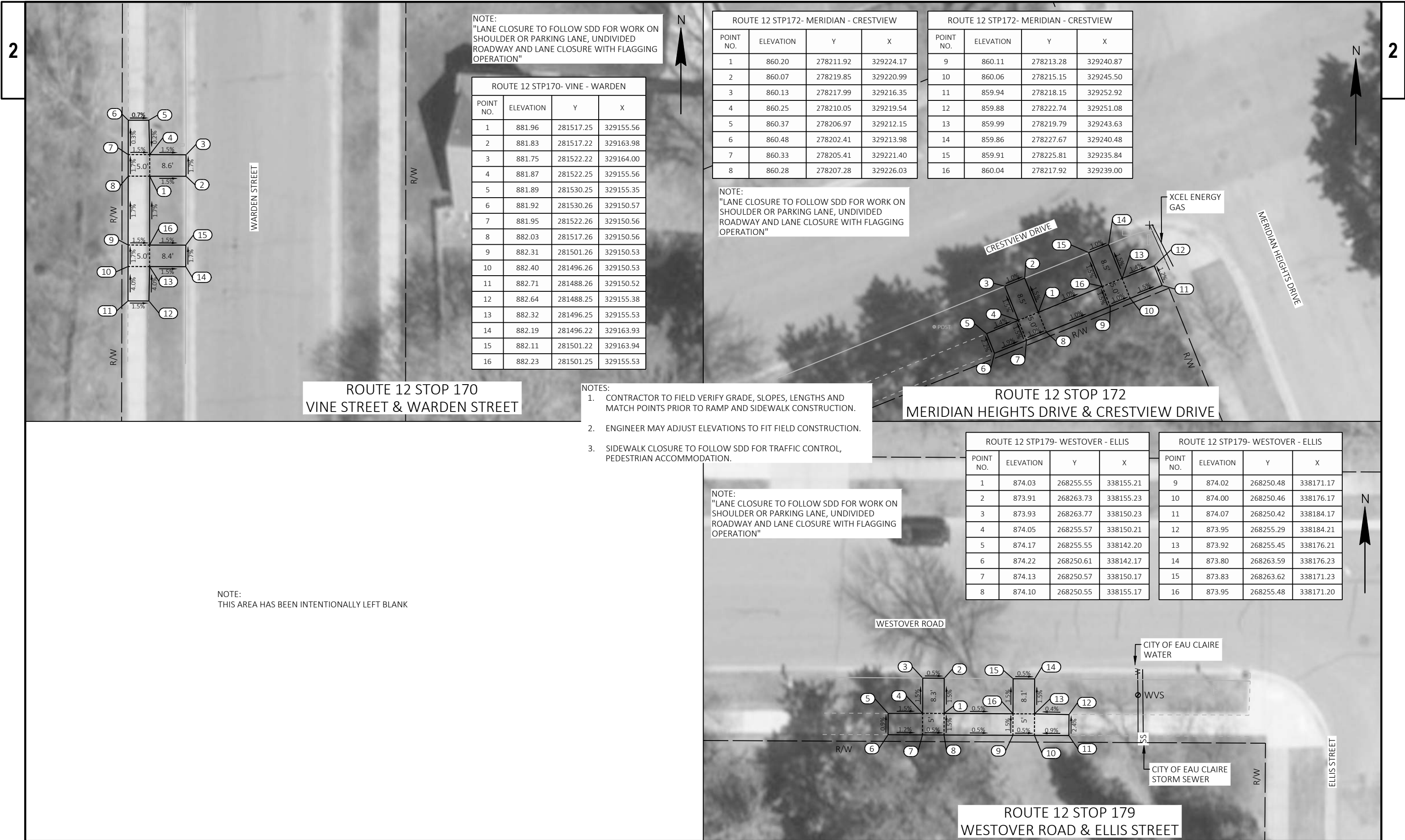
HWY: VAR HWY

COUNTY: EAU CLAIRE

PLAN DETAILS

SHEET

E



Estimate Of Quantities

7995-02-67					
Line	Item	Item Description	Unit	Total	Qty
0002	204.0155	Removing Concrete Sidewalk	SY	590.000	590.000
0004	602.0405	Concrete Sidewalk 4-Inch	SF	7,250.000	7,250.000
0006	618.0100	Maintenance and Repair of Haul Roads (project) 01. 7995-02-67	EACH	1.000	1.000
0008	619.1000	Mobilization	EACH	1.000	1.000
0010	628.1905	Mobilizations Erosion Control	EACH	25.000	25.000
0012	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0014	628.7015	Inlet Protection Type C	EACH	25.000	25.000
0016	643.0300	Traffic Control Drums	DAY	280.000	280.000
0018	643.0900	Traffic Control Signs	DAY	3,630.000	3,630.000
0020	643.5000	Traffic Control	EACH	1.000	1.000
0022	644.1810	Temporary Pedestrian Barricade	LF	1,200.000	1,200.000
0024	650.9500	Construction Staking Sidewalk (project) 01. 7995-02-67	EACH	1.000	1.000
0026	650.9911	Construction Staking Supplemental Control (project) 01. 7995-02-67	EACH	1.000	1.000
0028	690.0250	Sawing Concrete	LF	250.000	250.000
0030	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	300.000	300.000
0032	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	300.000	300.000
0034	SPV.0060	Special 01. Grading, Shaping and Finishing Transit Stops	EACH	25.000	25.000

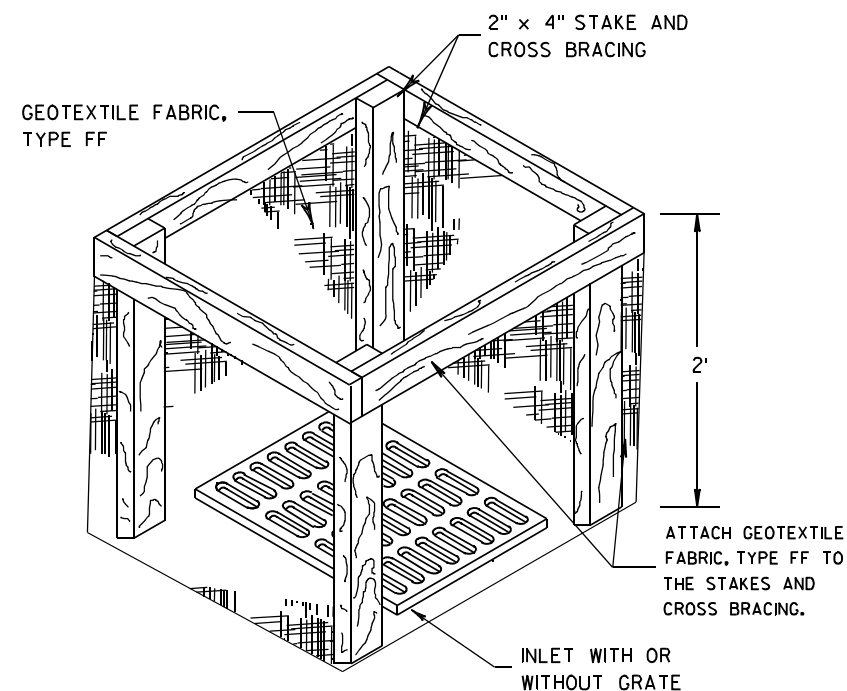
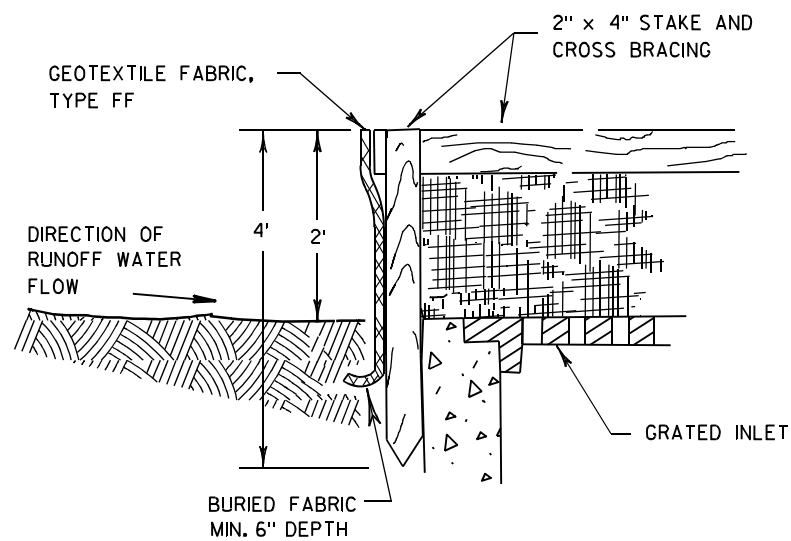
		628.1905	628.1910
		MOBILIZATIONS EROSION CONTROL EACH	MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	Project	25	2
0010	TOTAL 0010	25	2

		650.9500.01	650.9911.01
		CONSTRUCTION STAKING SIDEWALK (PROJECT) (01. 7995-02-67) EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 7995-02-67) EACH
0010	Project	1	1
0010	TOTAL 0010	1	1

					643.0300	643.0900	644.1810	
					TRAFFIC CONTROL DRUMS DAY	TRAEEIC CONTROL SIGNS DAY	TEMPORARY PEDESTRIAN BARRICADE LE	
	CATEGORY	ROUTE	STOP	DURATION DAY				REMARKS
	0010	1	11	14	11	145	48	Sidewalk detour
	0010	1	18	14	11	145	48	Sidewalk detour
	0010	3	40	14	11	145	48	Sidewalk detour
	0010	3	46	14	11	145	48	Sidewalk detour
	0010	5	80	14	11	145	48	Sidewalk detour
	0010	5	82	14	11	145	48	Sidewalk detour
	0010	5	83	14	11	145	48	Sidewalk detour
	0010	6	84	14	11	145	48	Sidewalk detour
	0010	6	86	14	11	145	48	Sidewalk detour
	0010	6	89	14	11	145	48	Sidewalk detour
	0010	6	97	14	11	145	48	Sidewalk detour
	0010	6	98	14	11	145	48	Sidewalk detour
	0010	6	99	14	11	145	48	Sidewalk detour
	0010	8	107	14	11	145	48	Sidewalk detour
	0010	8	112	14	11	145	48	Sidewalk detour
	0010	8	113	14	11	145	48	Sidewalk detour
	0010	8	122	14	11	145	48	Sidewalk detour
	0010	18	144	14	11	145	48	Sidewalk detour
	0010	20	155	14	11	145	48	Sidewalk detour
	0010	20	156	14	11	145	48	Sidewalk detour
	0010	20	158	14	11	145	48	Sidewalk detour
	0010	20	159	14	11	145	48	Sidewalk detour
	0010	12	170	14	11	145	48	Sidewalk detour
	0010	12	172	14	11	145	48	Sidewalk detour
	0010	12	179	14	11	145	48	Sidewalk detour
	TOTAL 0010				280	3,630	1,200	

Standard Detail Drawing List

08E10-02	INLET PROTECTION TYPE A, B, C AND D
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-10G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-10K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



INLET PROTECTION, TYPE A

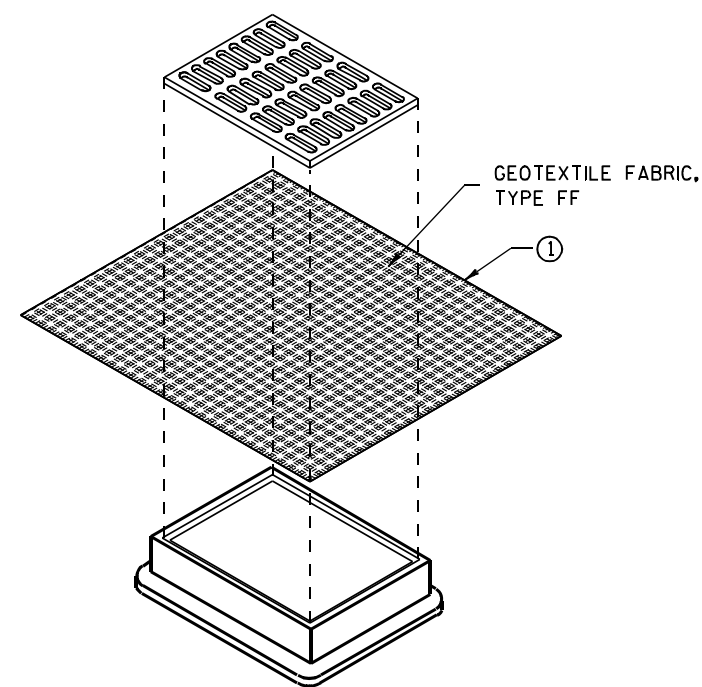
GENERAL NOTES

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.

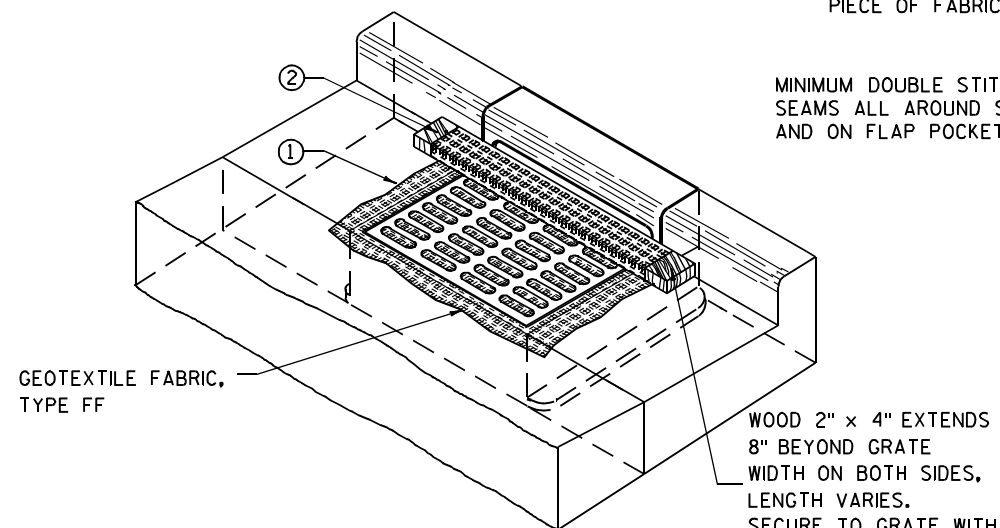
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 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.



**INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)**

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



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

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

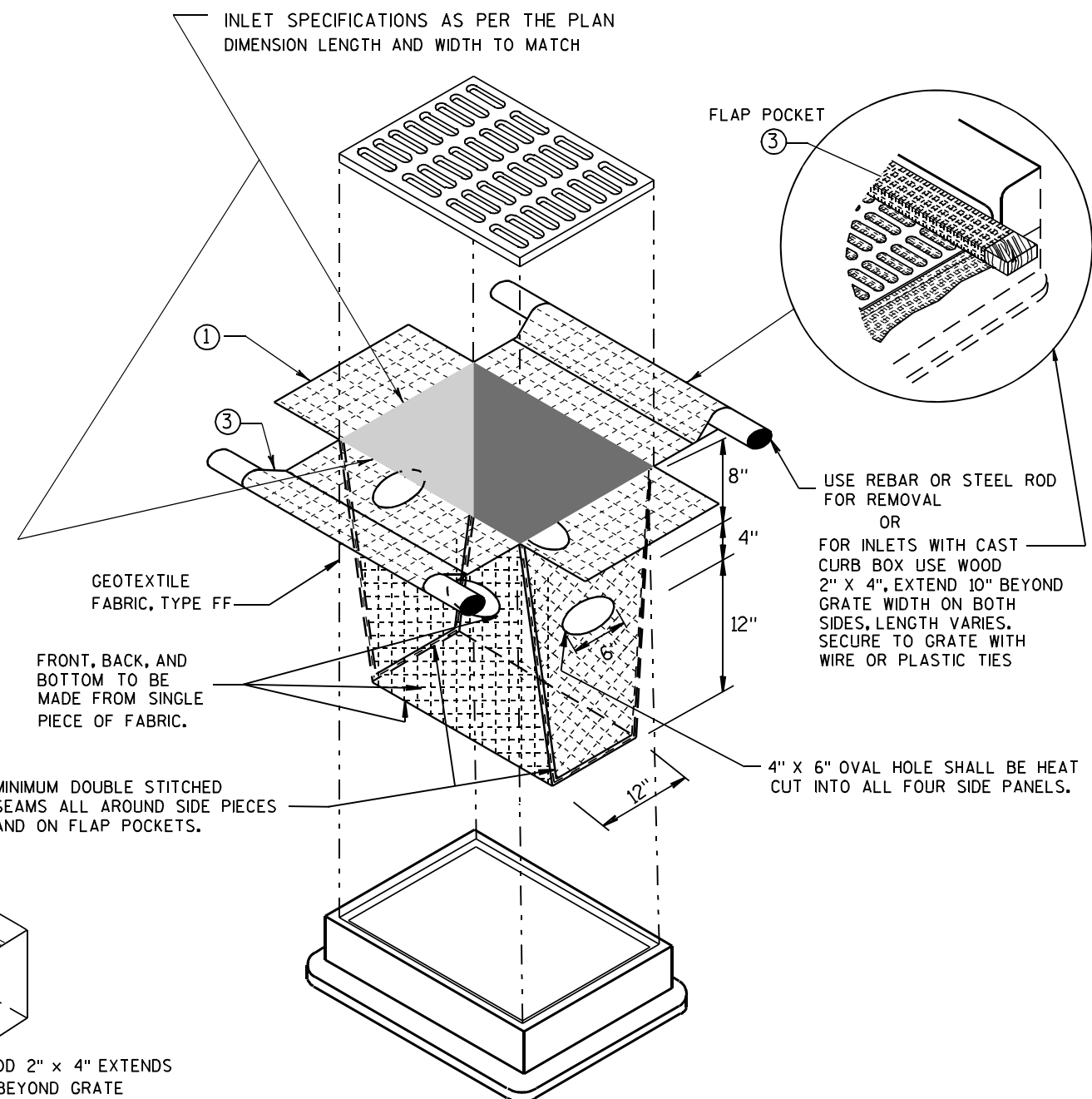
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

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 D

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

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	

LEGEND

-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

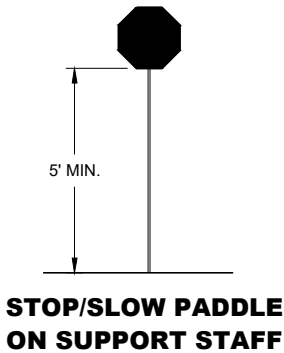
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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

TEMPORARY PORTABLE RUMBLE STRIPS

- UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER
- ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.
- INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.
- DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

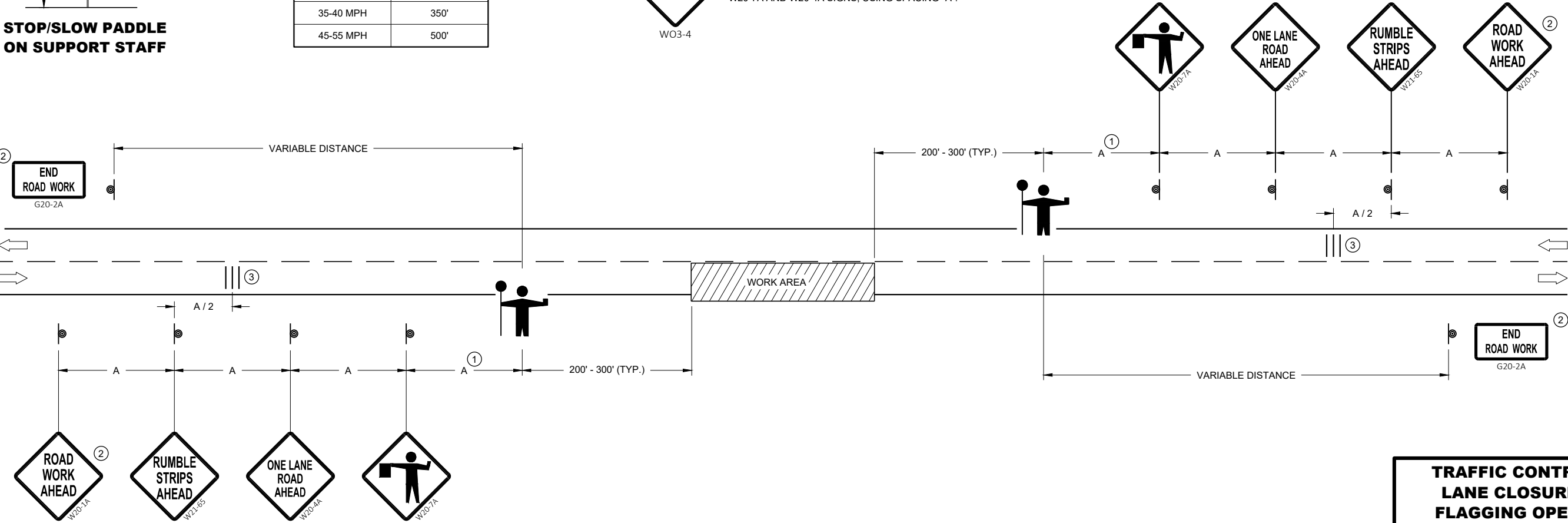


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2022 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
FHWA	

LEGEND

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

GENERAL NOTES

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

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

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

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

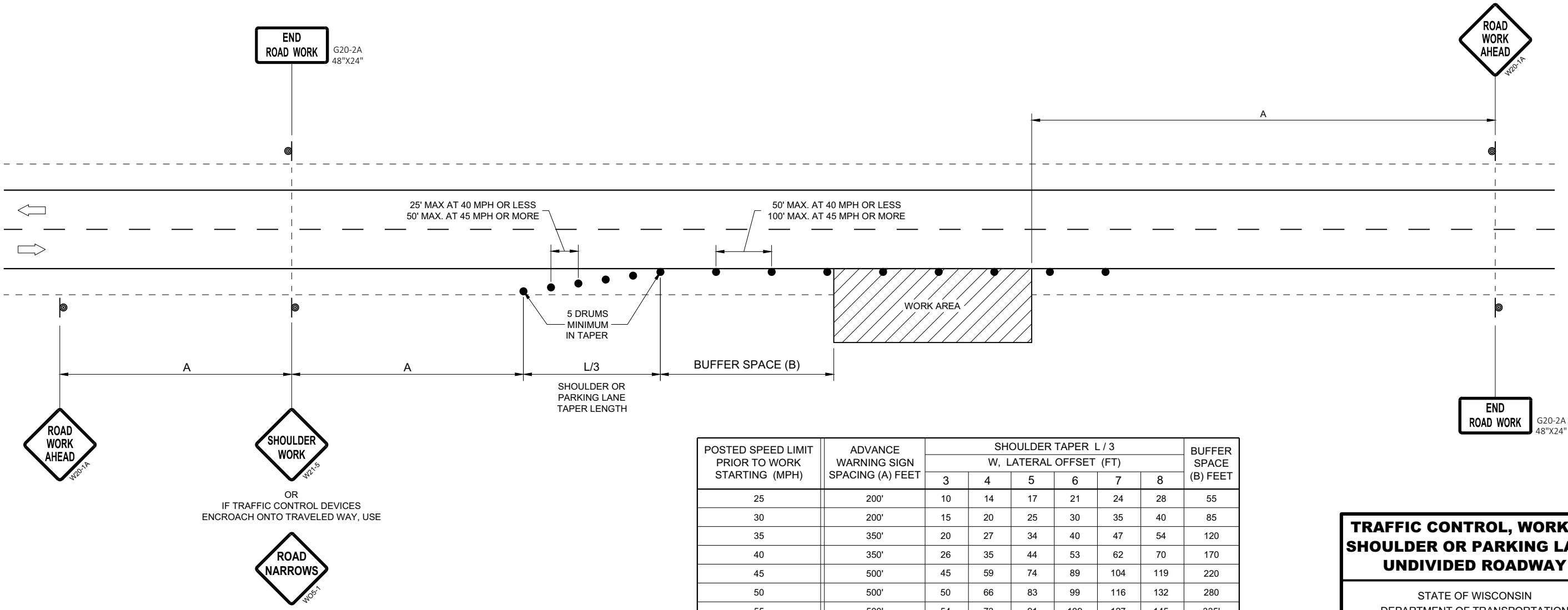
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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

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

6

6



SDD 15D28 - 04

SDD 15D28 - 04

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

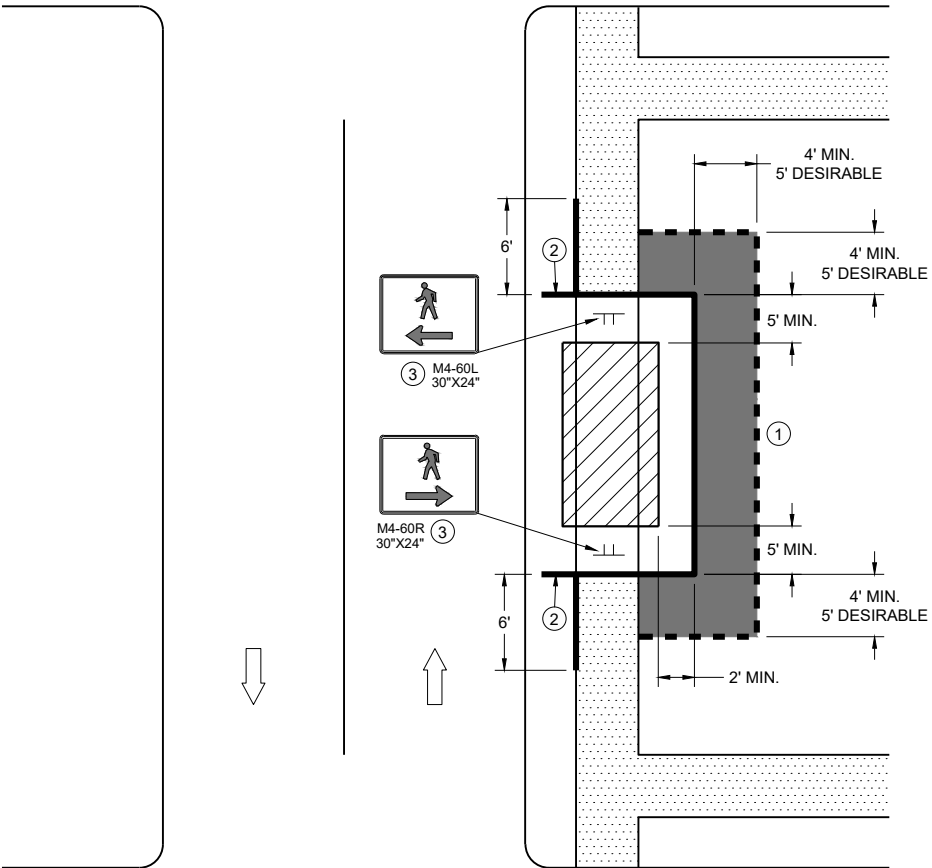
GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

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

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

- ① USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
- ② IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
- ③ MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



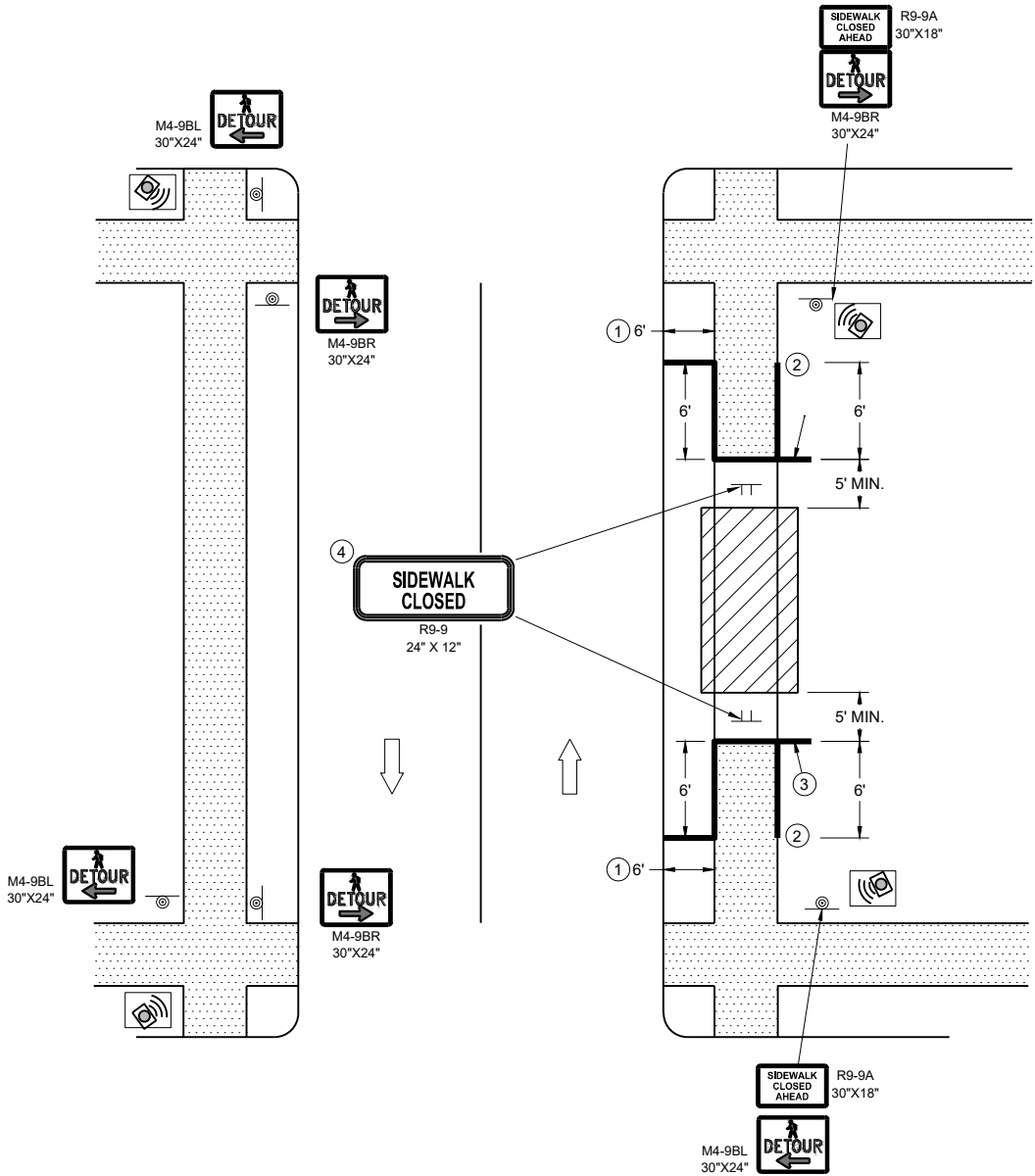
SIDEWALK BYPASS
SINGLE SIDE

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

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

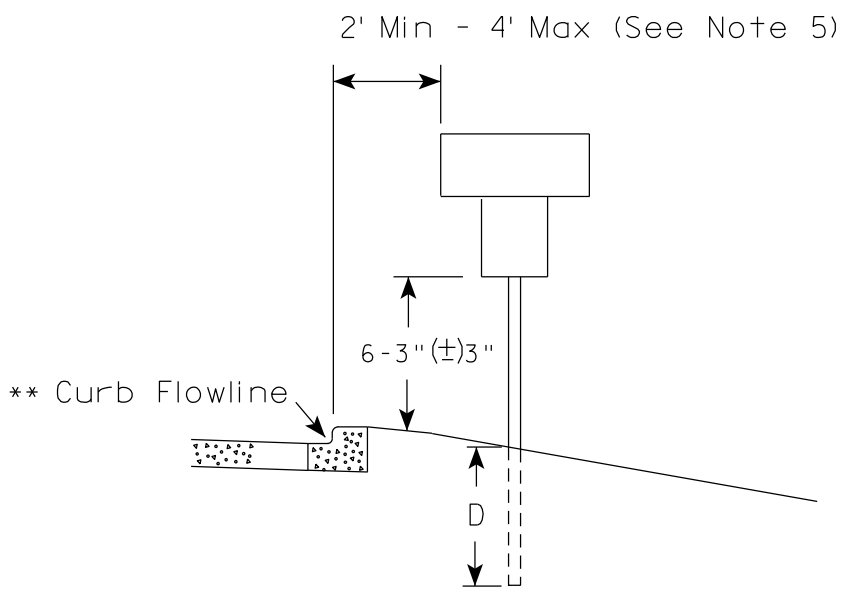
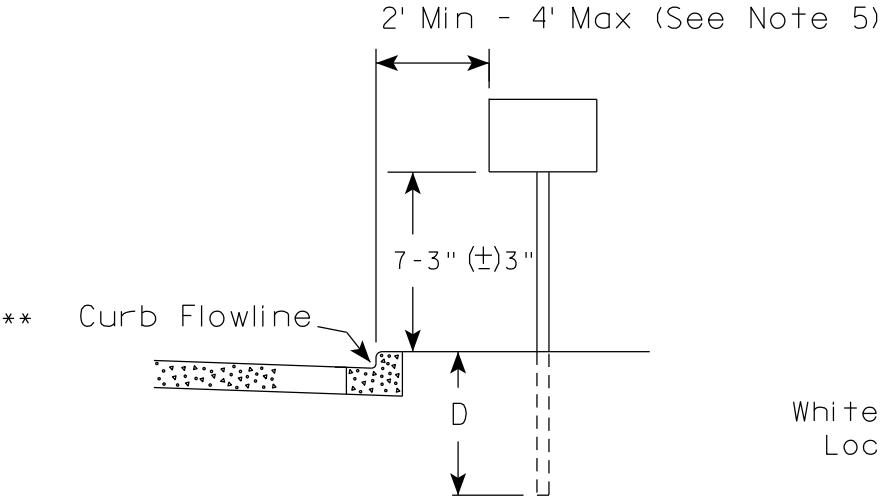


SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

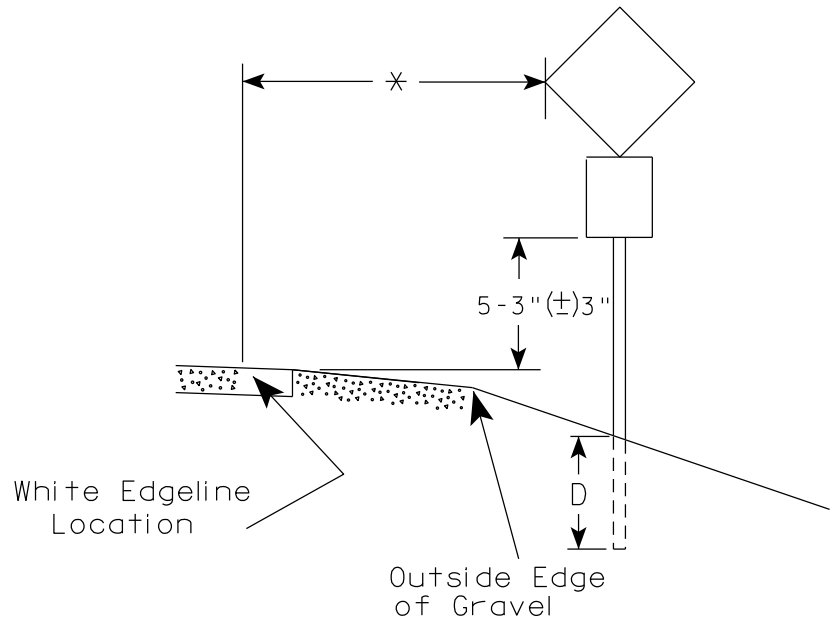
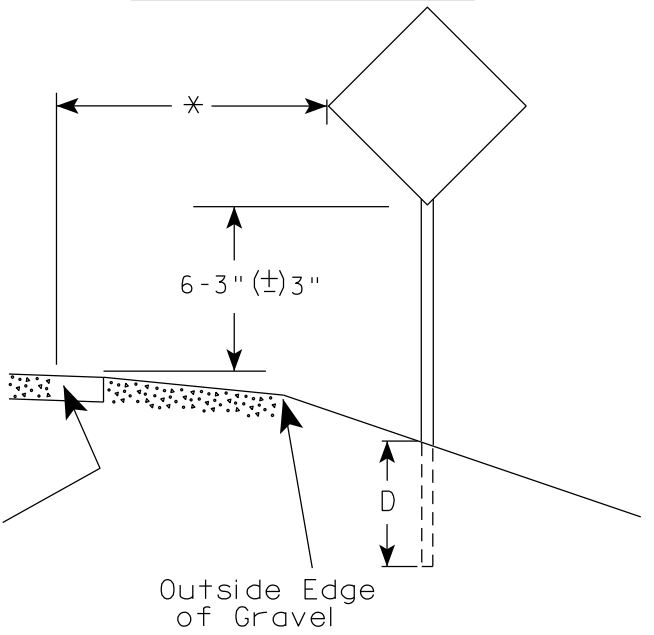
GENERAL NOTES

- WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.
- SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.
- PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.
- IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
 - PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
 - IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
 - MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

URBAN AREA



RURAL AREA (See Note 2)



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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±) 3". The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±) 3".
3. For expressways and freeways, mounting height is 7'- 3" (±) 3" or 6'-3" (±) 3" depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±) 3".
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. Folding signs shall be mounted at a height of 5'-3" (±) 3" or as directed by the Engineer.

* * The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

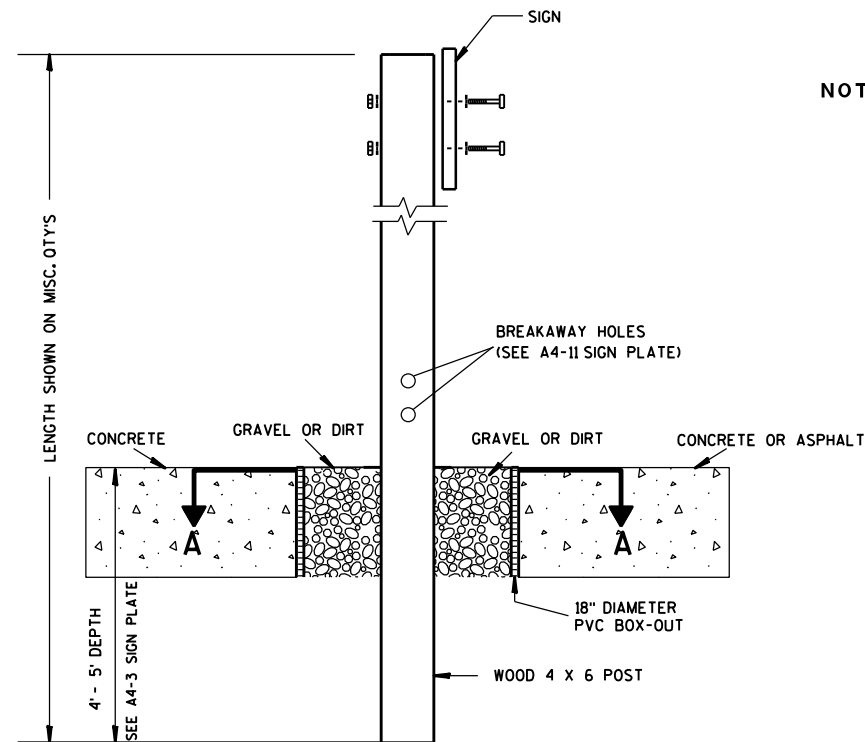
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

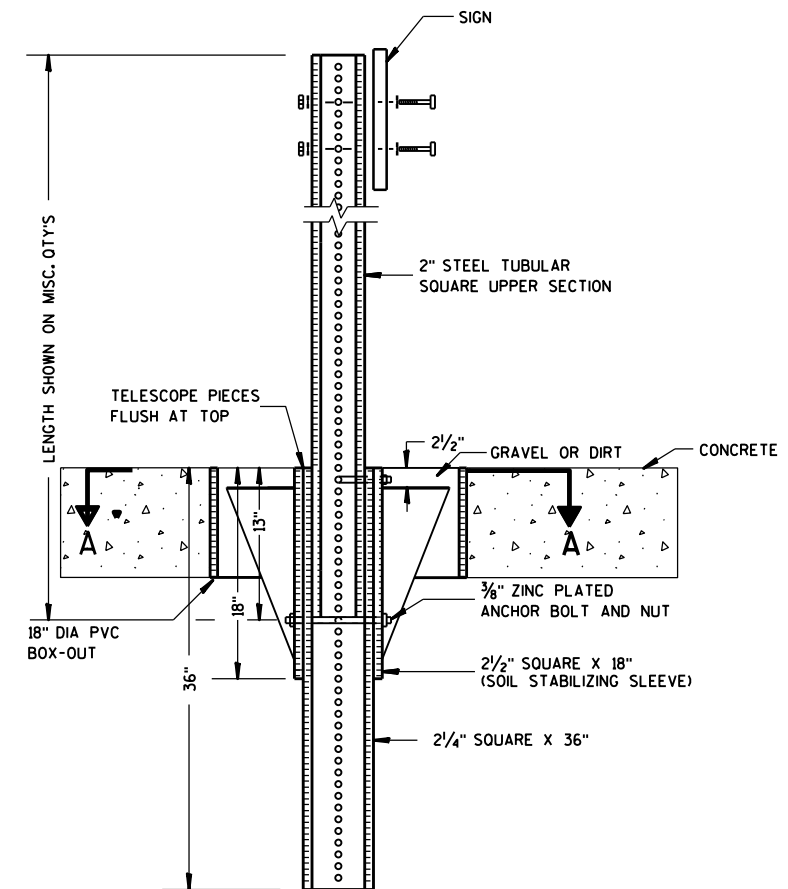
DATE 12/6/23 PLATE NO. A4-3.23



ELEVATION VIEW

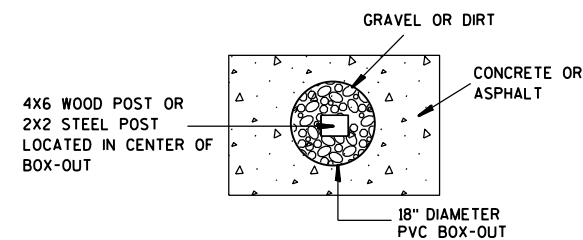
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- NOTES: 1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

PROJECT NO:

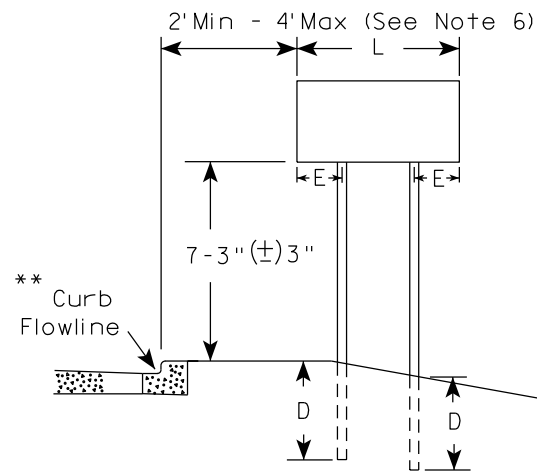
HWY:

COUNTY:

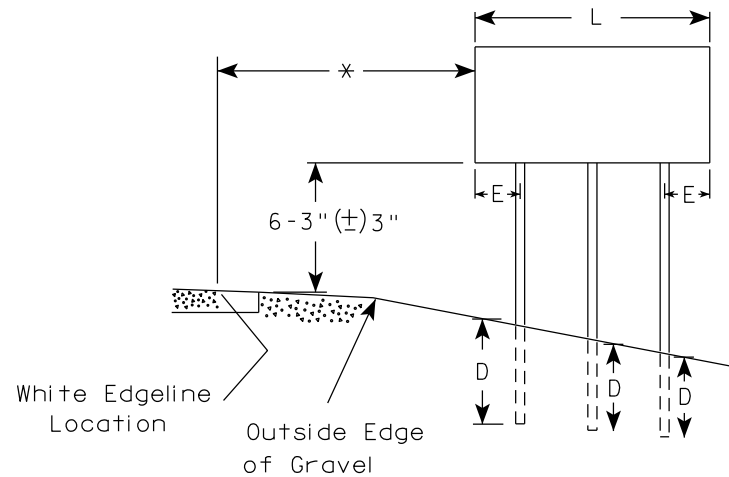
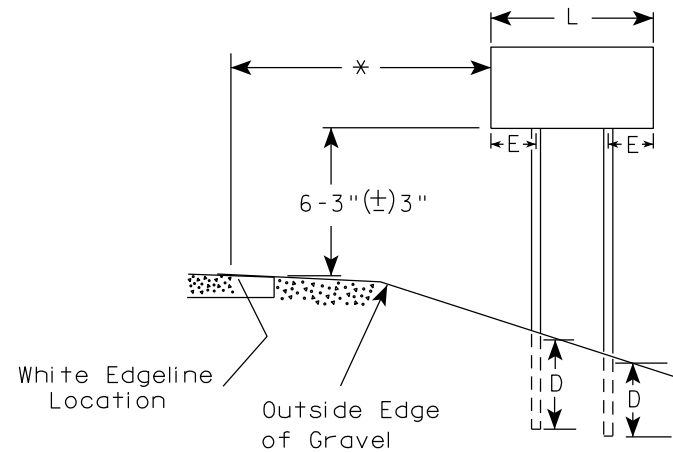
SHEET NO:

E

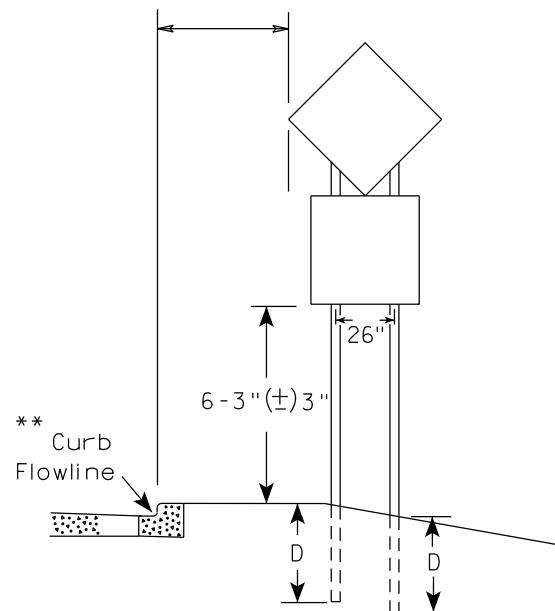
URBAN AREA



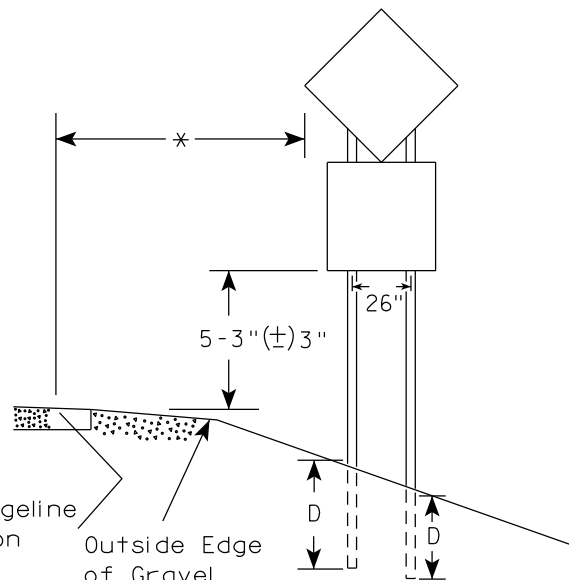
RURAL AREA (See Note 3)



2' Min - 4' Max (See Note 6)



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

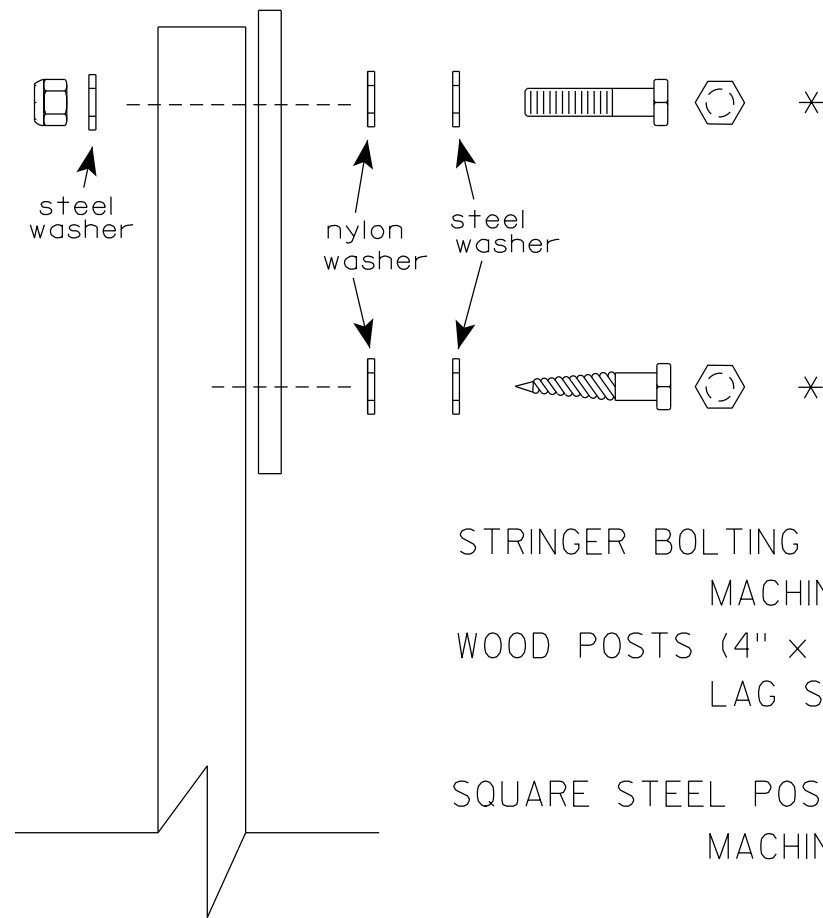
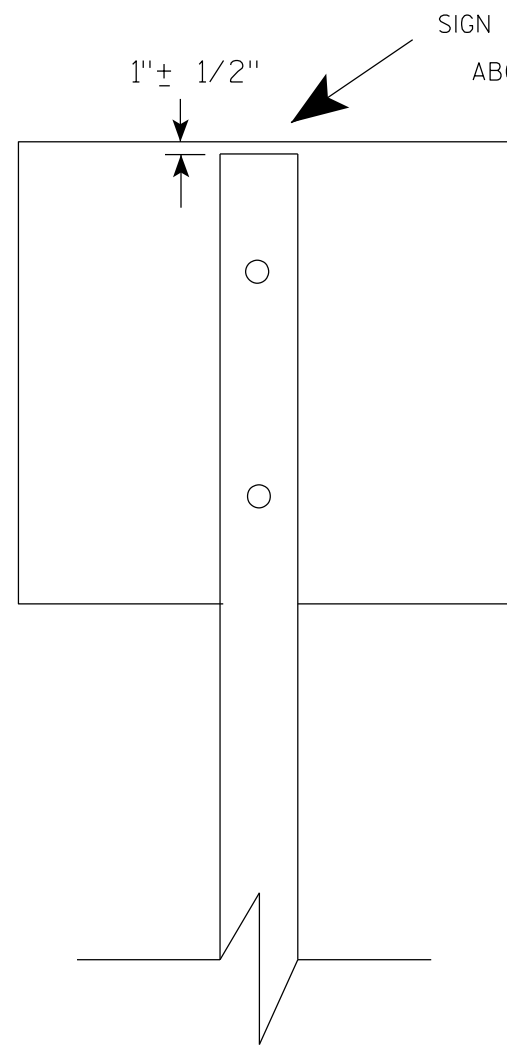
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

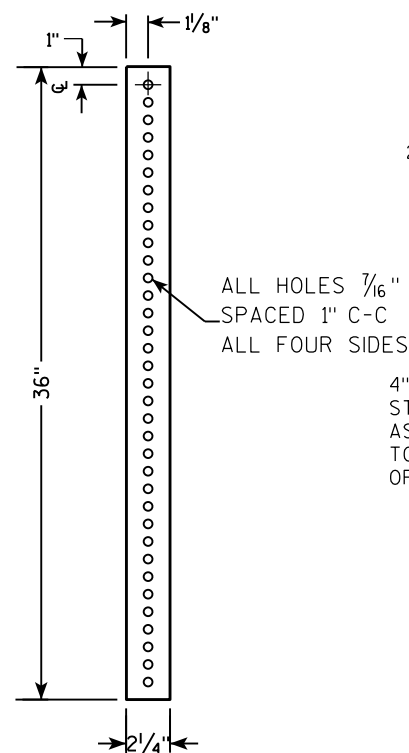
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 6")
- LAG SCREWS - $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN)
 $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
 $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- RIVETS - $\frac{9}{32}$ " (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 $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
 - 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

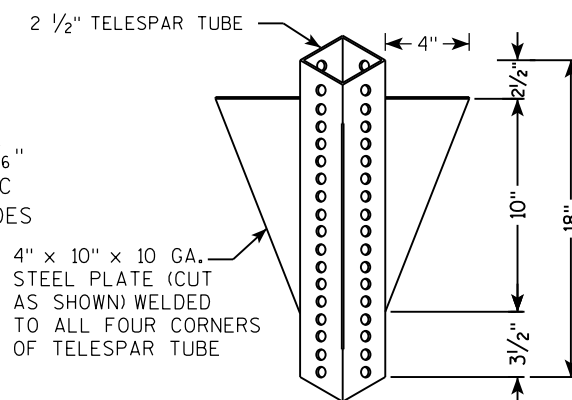
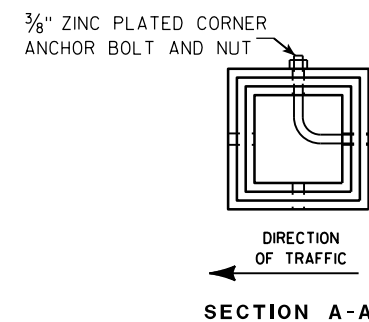
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

**2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH**



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

[illegible]

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthaeus R. Rauch

for State Traffic Engineer

DATE 2/05/15 PLATE NO. A4-9.9

PROJECT NO:

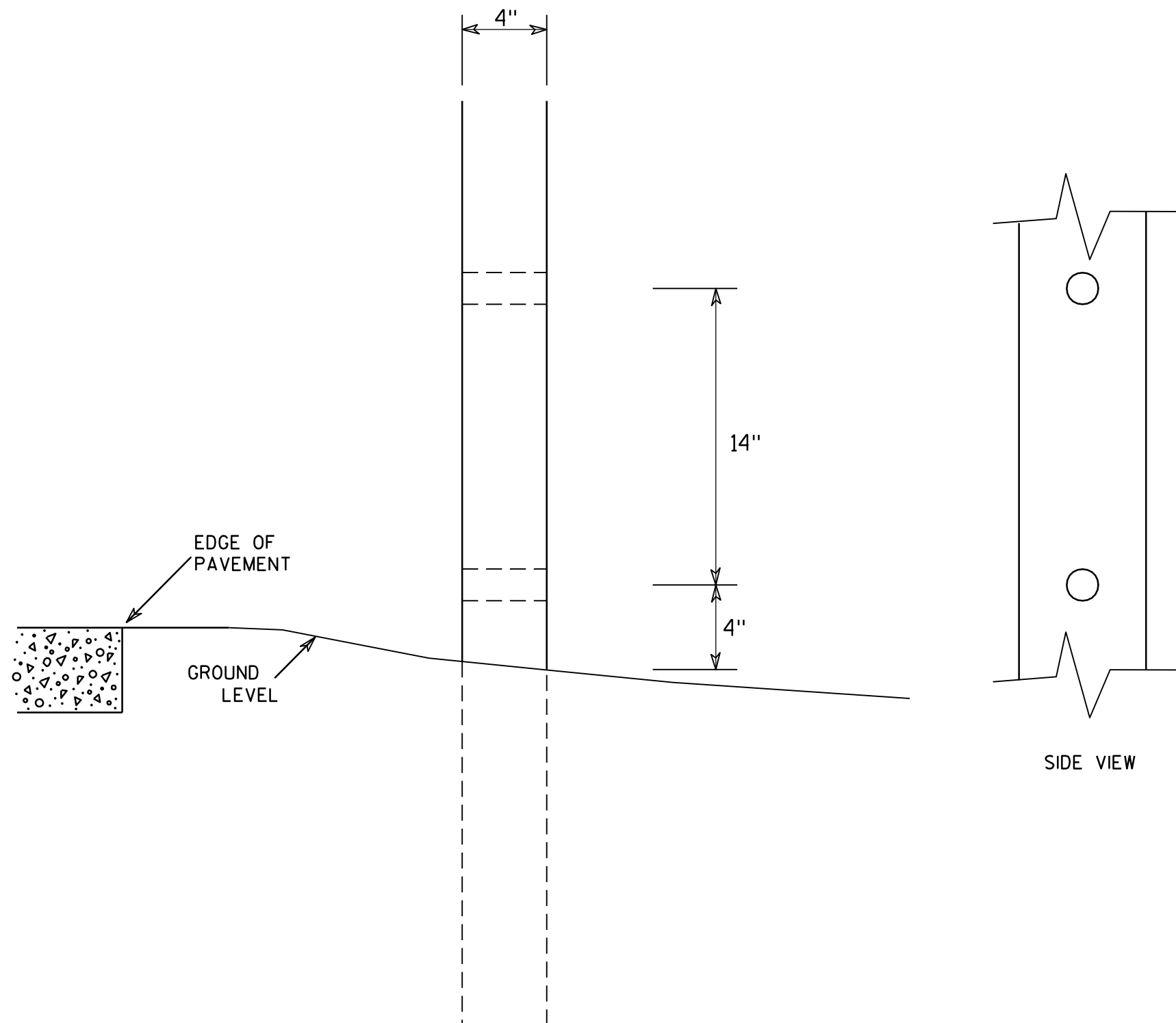
HWY:

COUNTY:

SHEET NO:

T

7



GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

PROJECT NO:

HWY:

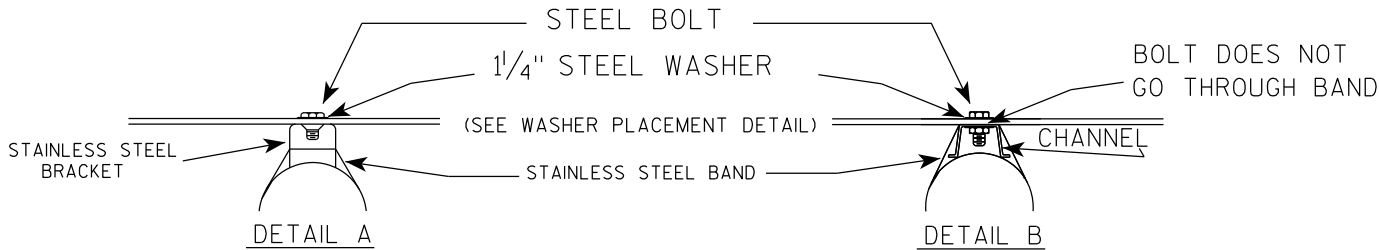
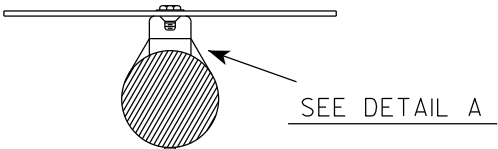
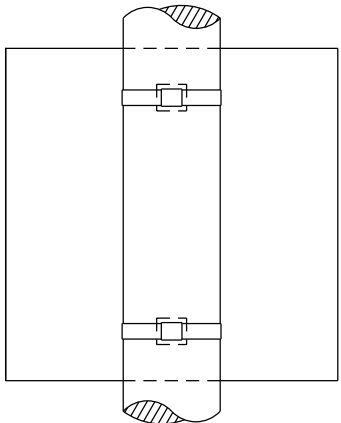
COUNTY:

SHEET NO:

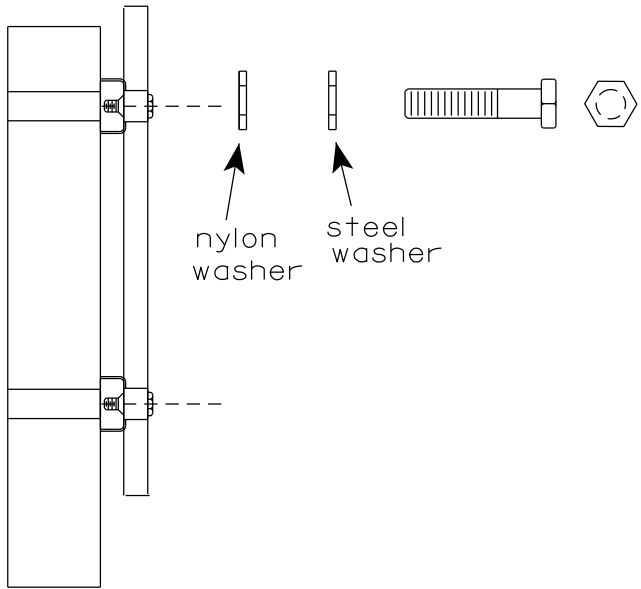
E

BANDING

SINGLE SIGN



WASHER PLACEMENT

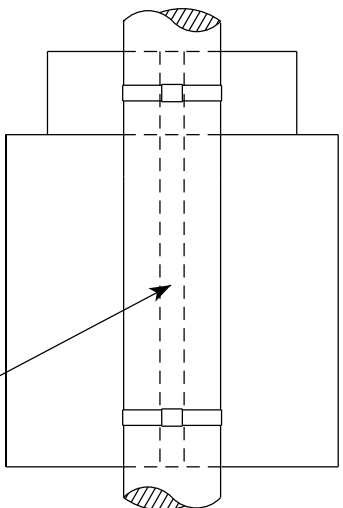


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



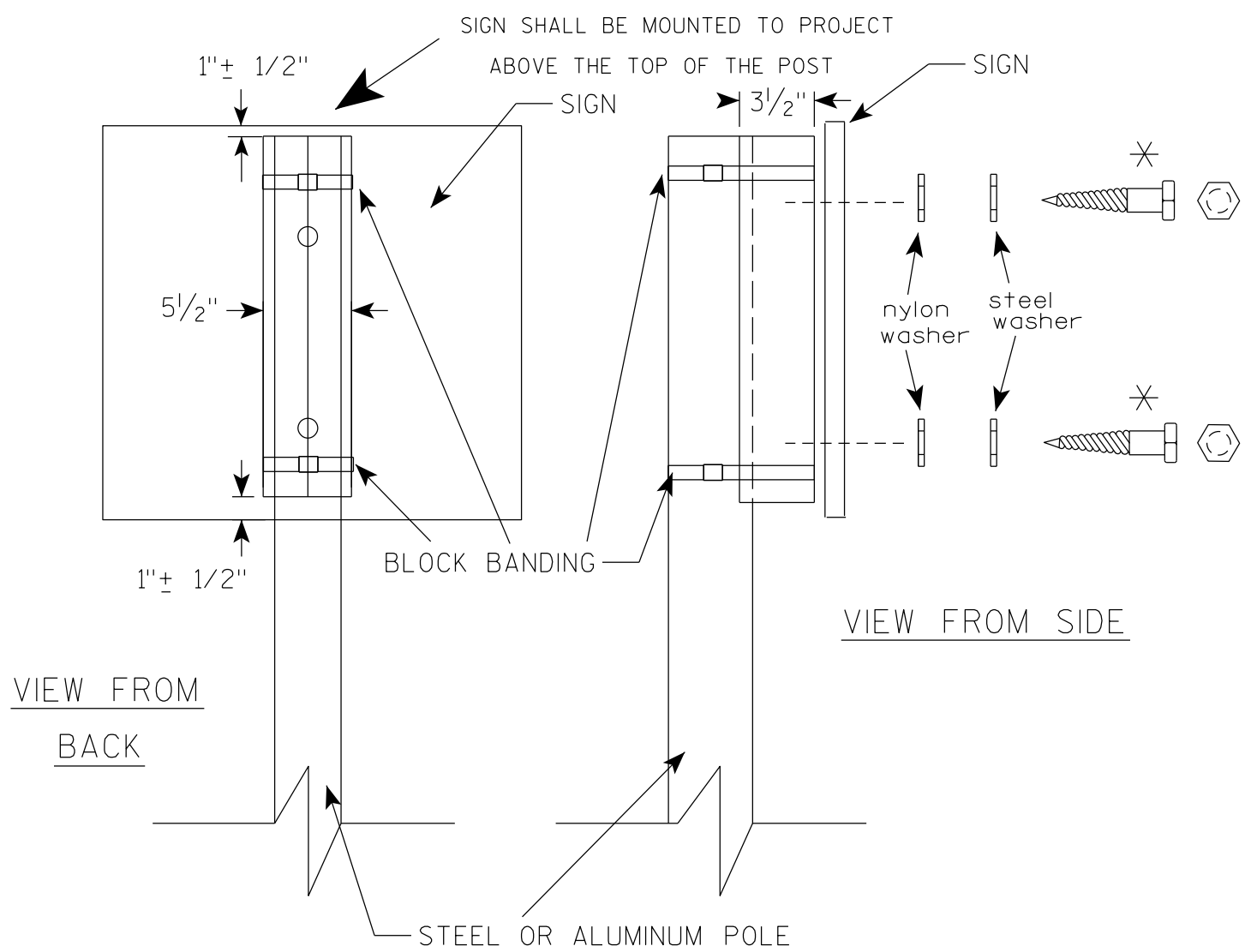
SEE DETAIL B

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

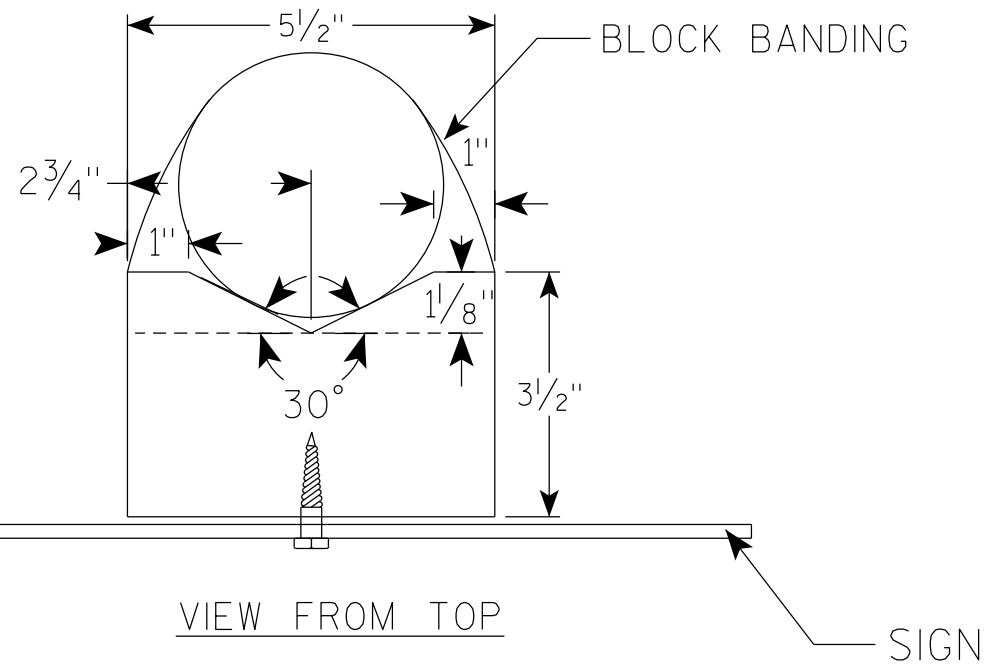
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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



VIEW FROM
BACK

VIEW FROM SIDE



VIEW FROM TOP

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, $\frac{3}{4}$ " WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORMALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
8. NYLON WASHERS SHALL BE $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✱ LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

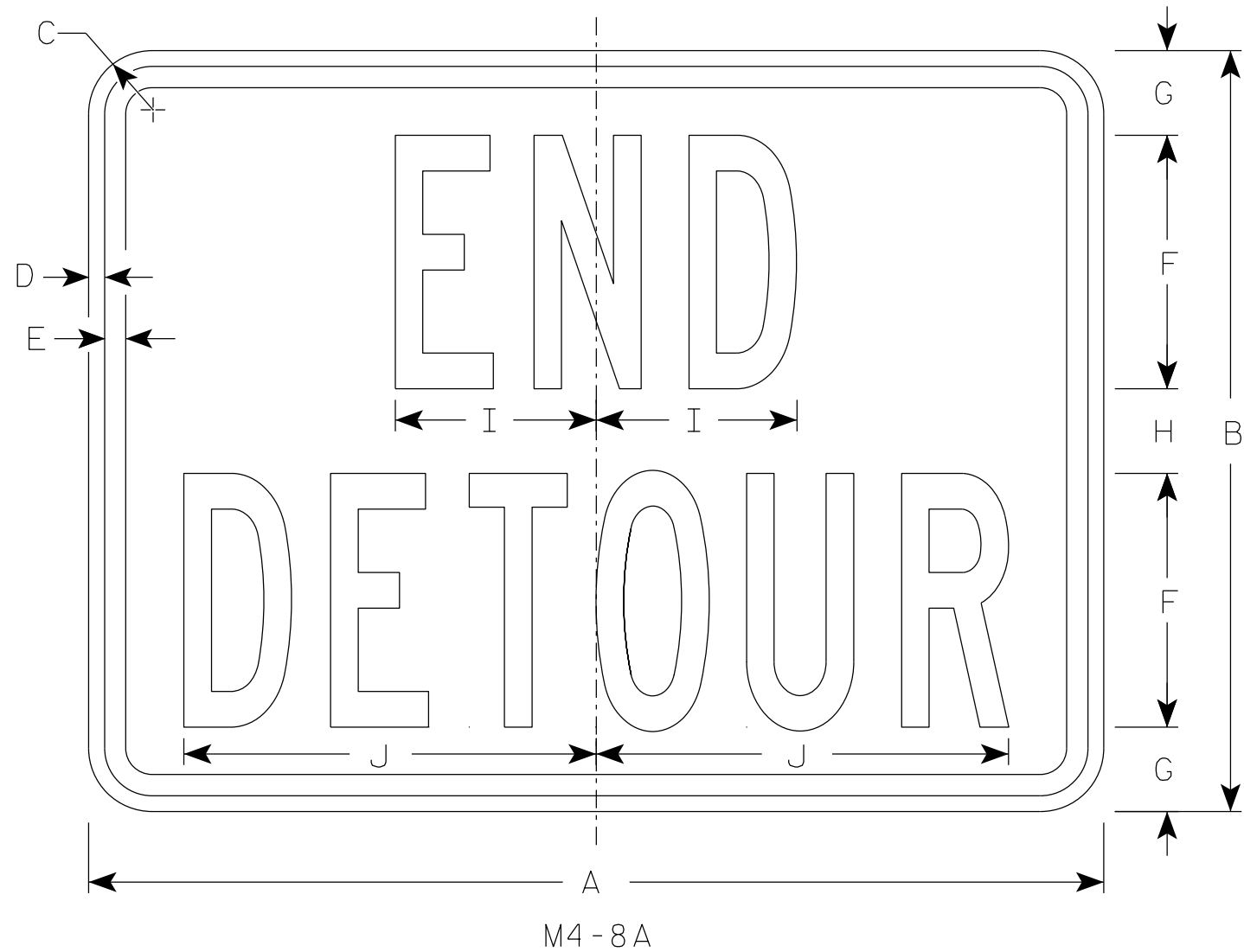
DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

SHEET NO:

E

7



NOTES

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

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

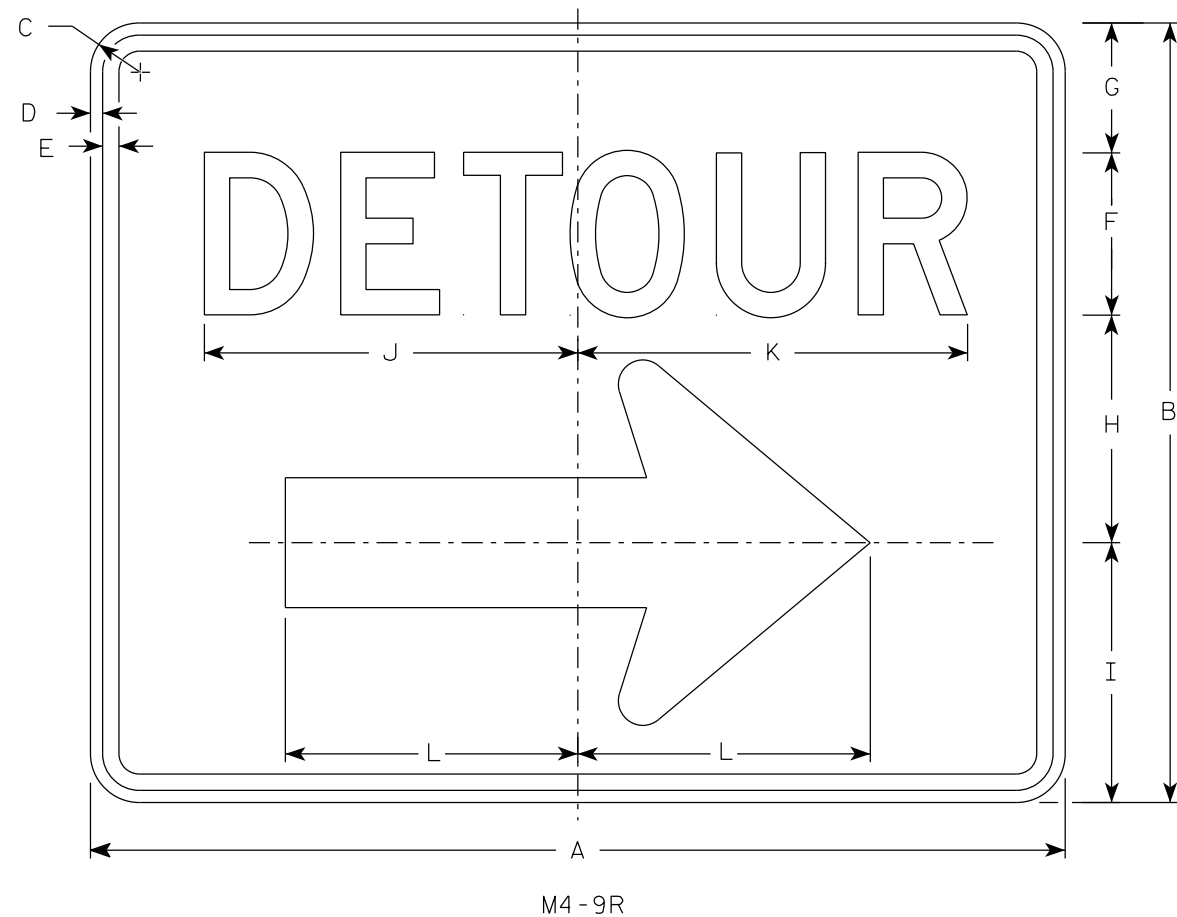
STANDARD SIGN

M4-8A

WISCONSIN DEPT OF TRANSPORTATION

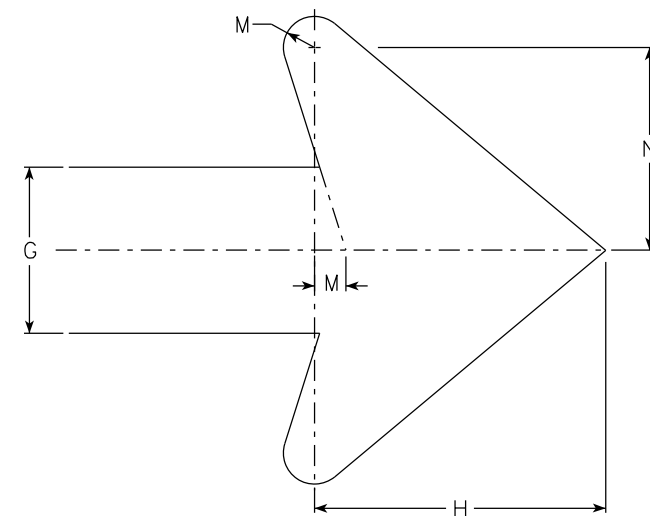
APPROVED *Matthew R Rauch*
For State Traffic Engineer

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



NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 7/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

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

PROJECT NO: HWY: COUNTY: SHEET NO: **E**

7

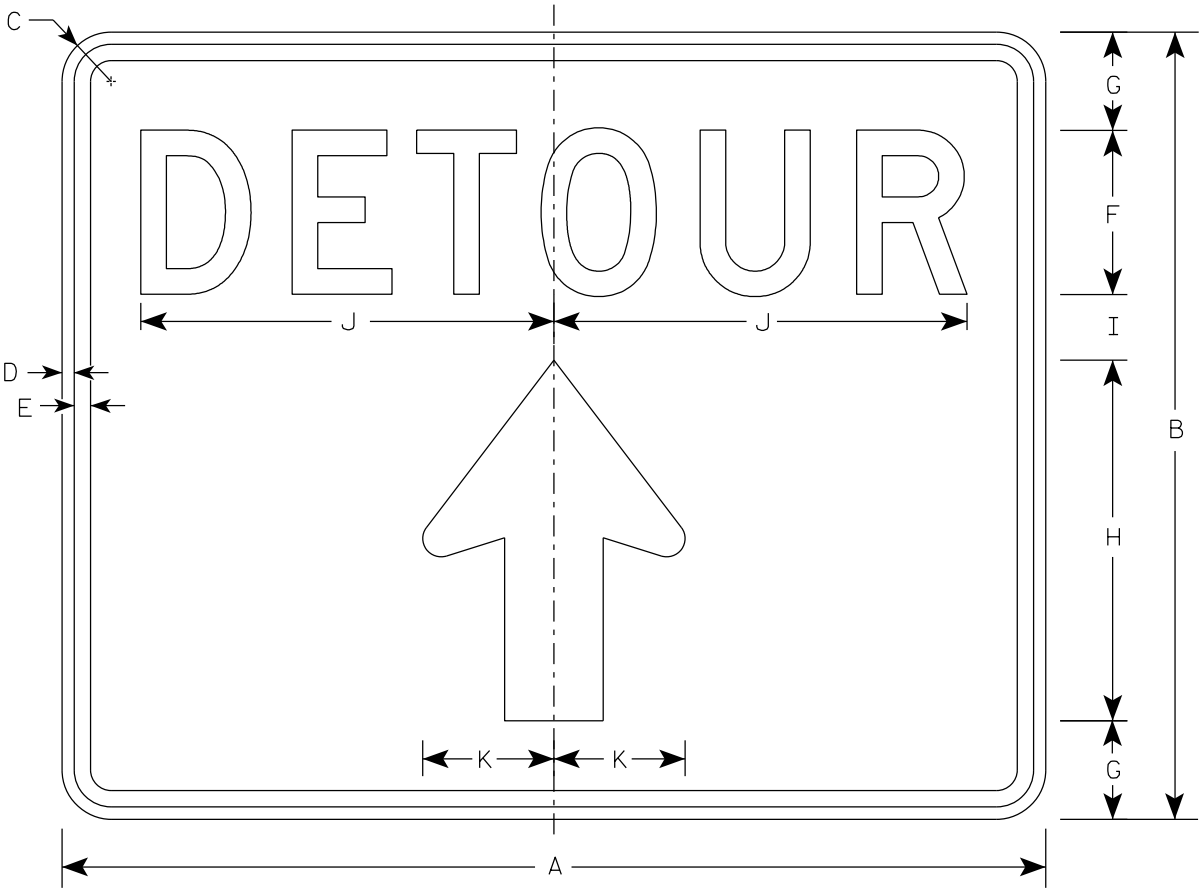
7

NOTES

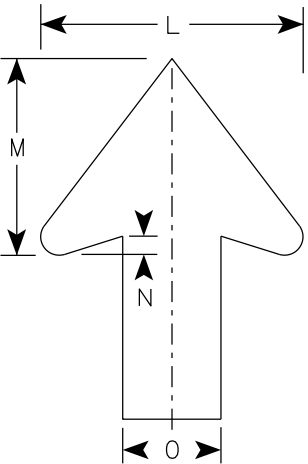
1. Sign is Type II-Type F Reflective
2. Color:

Background - Orange

Message - Black
3. Message Series - D



M4 - 9RA



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
2M	30	24	1 1/2	3/8	1/2	5	3	11	2	12 5/8	4	8	6	1/2	3												5.00
3																											
4																											
5																											

STANDARD SIGN

M4-9RA

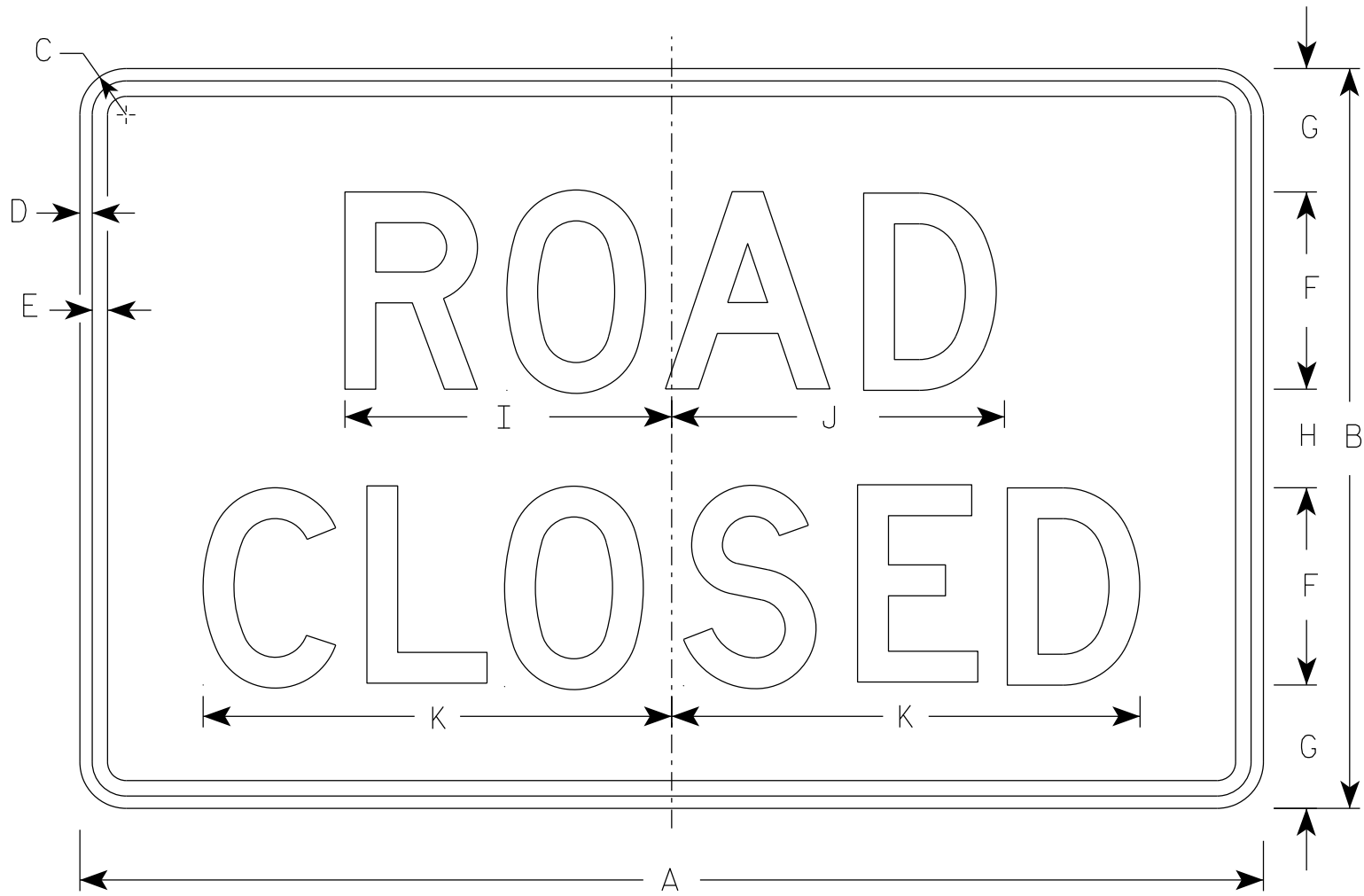
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*

for State Traffic Engineer

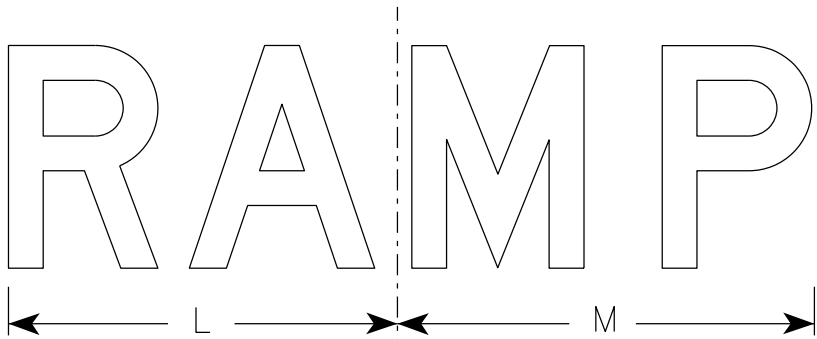
DATE 2/9/2023

PLATE NO. M4-9RA.3

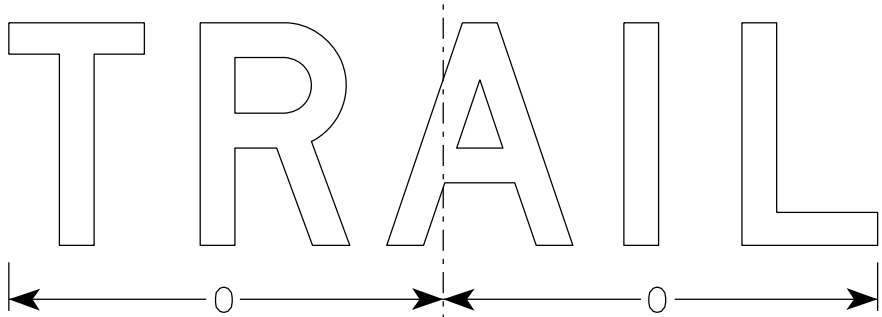


R11-2

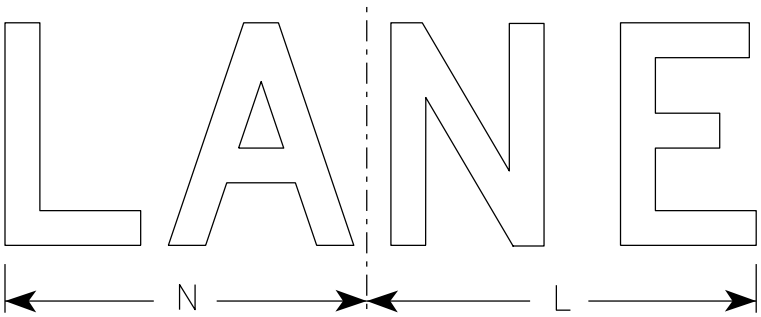
- NOTES
1. Sign is Type II - Type H Reflective
 2. Color:
Background - White
Message - Black
 3. Message Series - D
 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
 5. Modify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



R11-2R



R11-2T



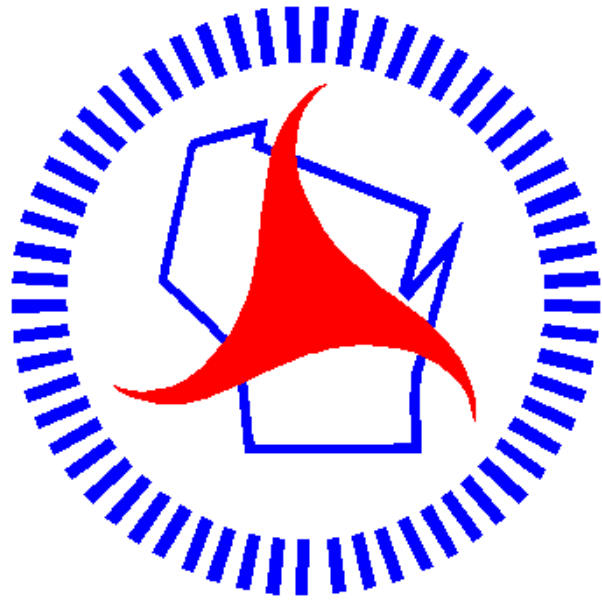
R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN R11-2	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 2/5/24	PLATE NO. R11-2.12

PROJECT NO:	HWY:	COUNTY:	SHEET NO:	E
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Notes



Wisconsin Department of Transportation

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