WKE

Feb 09, 2021

PROJECT ID: 1310-18-70

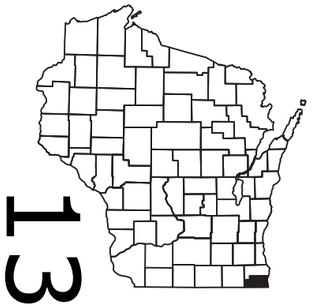
WITH:

COUNTY: KENOSHA

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 = 374



N

DESIGN DESIGNATION

A.A.D.T.	2021	=	23,860
A.A.D.T.	2023	=	24,120
D.H.V.		=	1,910
D.D.		=	60/40
T.		=	9.2%
DESIGN SPEED		=	55 MPH
ESALS		=	N/A

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

LAKE GENEVA-KENOSHA

CTH O - STH 75, 236TH AVE - 125TH AVE

STH 50

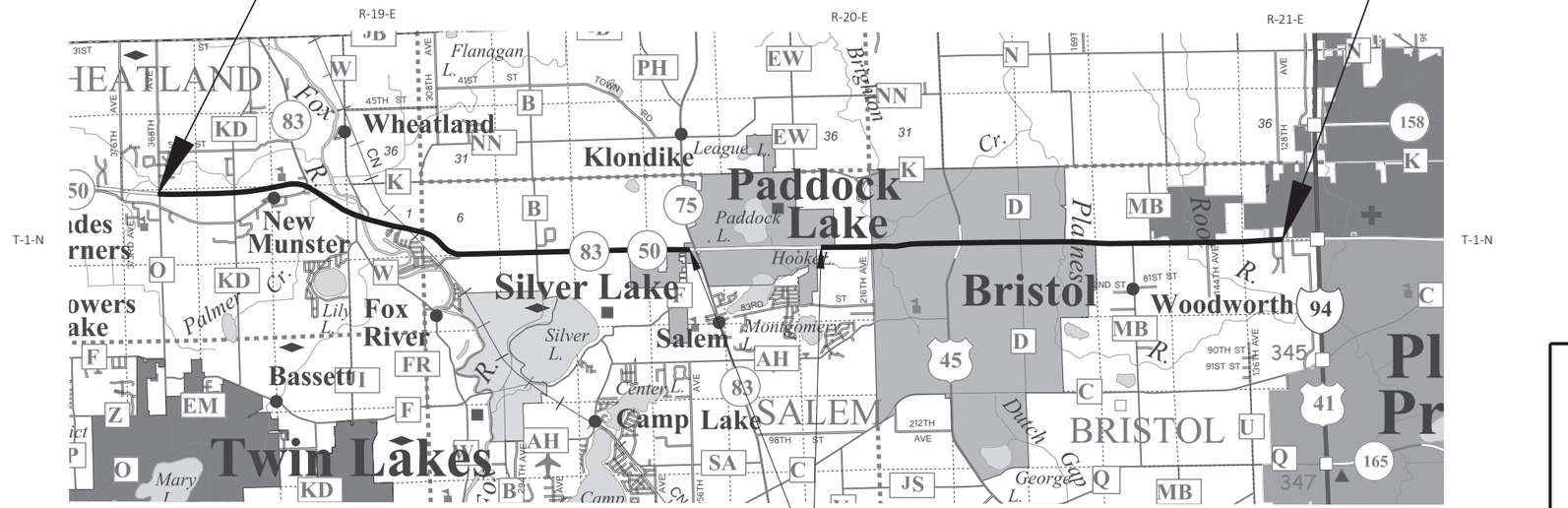
KENOSHA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1310-18-70	WISC 2021141	1

BEGIN PROJECT
STA 612+78.95
Y=133089.513
X=512330.355

STATE PROJECT NUMBER
1310-18-70

END PROJECT
STA 1422+22.66



EXCEPTION TO NET CENTERLINE
STA 994+20.64 TO STA 1068+21.42

LAYOUT
SCALE 0 2MI

TOTAL NET LENGTH OF CENTERLINE = 13.929 MI.

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), KENOSHA 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 12A.

ORIGINAL PLANS PREPARED BY

BLOOM COMPANIES, LLC
Infrastructure Innovation and Ingenuity

WISCONSIN VALBON LATIFI E-45819 MILWAUKEE WISCONSIN PROFESSIONAL ENGINEER

DATE: 11/02/2020 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	BLOOM COMPANIES, LLC; R.A. SMITH
Designer	BLOOM COMPANIES, LLC
Project Manager	FRANK PRITZLAFF, P.E.
Regional Examiner	REGIONAL EXAMINER
Regional Supervisor	REGIONAL SUPERVISOR

APPROVED FOR THE DEPARTMENT

DATE: 10/29/2020 *Frank J. Pritzlaff* (Signature)

E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\010101-TI.DWG

PLOT DATE : 10/29/2020 3:41 PM

PLOT BY : VALBON LATIFI

PLOT NAME :

GENERAL NOTES

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

DETAILS OF CONSTRUCTION NOT SHOWN SHALL BE IN ACCORDANCE WITH THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

UNLESS NOTED ON THE PLAN, ALL STATIONS AND OFFSETS ARE BASED OFF OF THE STH 50 REFERENCE LINE.

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED AS APPROXIMATE AND MEASURED IN THE FIELD FOR MATCHING PURPOSES.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE NOT SHOWN ON THE PLANS. THERE ARE UTILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

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

THE PLANS IDENTIFY LOCATIONS WHERE CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT SLURRY CANNOT BE DISCHARGED ALONG THE STH 50 SHOULDERS DUE TO ENVIRONMENTAL CONCERNS. WHEN CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT IS COMPLETED IN THESE AREAS, THE SLURRY MUST BE COLLECTED AND TRUCKED OFF-SITE. THE CONTRACTOR WILL NOT BE ALLOWED TO TRUCK THE SLURRY AND DISCHARGE IT TO OTHER LOCATIONS ALONG THE PROJECT WHERE SIDE-DISCHARGING TO THE SHOULDERS IS PERMITTED. THE DIAMOND GRINDING MACHINE SHALL BE MOVING (NOT STOPPED) AT ALL TIMES WHEN SLURRY IS BEING ACTIVELY SIDE CAST IN APPROVED AREAS.

A SAWCUT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING HMA PAVEMENT. ALL SAWCUTS SHALL BE MADE PERPENDICULAR TO THE CENTERLINE UNLESS DIRECTED BY THE ENGINEER.

SAWCUT ASPHALT AND CONCRETE AT THE MATCHLINE AS SHOWN ON THE PLAN DETAILS OR AS DIRECTED BY THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER.

WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.

PLACE EROSION CONTROL DEVICES IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER. EROSION CONTROL FEATURES ARE SHOWN AT APPROXIMATE LOCATIONS, WITH EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

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

SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.

ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER, NO "WORKING" LIGHTS SHALL BE VISIBLE ON A COVERED OR LAID DOWN SIGN.

ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

RESHAPING AND RESTORING OF ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY OPERATIONS OUTSIDE OF THE ENGINEER DETERMINED CONSTRUCTION LIMITS ARE INCIDENTAL TO THE CONTRACT.

COORDINATE WITH SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC) FOR THE PERPETUATION OF SECTION CORNER (PUBLIC LAND SURVEY SYSTEM - PLSS) MONUMENTS. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SEWRPC AND THE WISDOT PROJECT MANAGER THROUGHOUT THE PERPETUATION PROCESS. THE CONTRACTOR WILL CONTACT SEWRPC AT (262) 953-4289 AT LEAST TWO WEEKS BEFORE STARTING CONSTRUCTION OPERATIONS. THE SEWRPC REPRESENTATIVE WILL MAKE THE DETERMINATION OF THE EXTENT OF THE WORK INVOLVED WITH THE SECTION CORNER MONUMENTS BASED ON INSPECTION DURING CONSTRUCTION.

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 118 LB/SY/IN.

ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING GRADATIONS, TRAFFIC, BINDER, AND DESIGNATIONS.

TOTAL PAVEMENT LAYER THICKNESS	LAYERS	NOMINAL MAXIMUM AGGREGATE GRADATION	TRAFFIC	ASPHALT BINDER	BINDER DESIGNATION LEVEL
3 1/2"	3 1/2" TOTAL	4	MT	58-28	S
4"	1 3/4" UPPER 2 1/4" LOWER	4 3	MT MT	58-28 58-28	S S
6"	2" UPPER 4" LOWER	4 3	MT MT	58-28 58-28	S S

ABBREVIATIONS

BP	BREAK POINT
COR	CORNER
CSCP	CORRUGATED STEEL CULVERT PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
DIM	DIMENSION
EOP	EDGE OF PAVEMENT
FE	FIELD ENTRANCE
HP	HIGH POINT
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
NO	NUMBER
NOR	NORMAL
PGL	PROFILE GRADE LINE
PROP	PROPOSED
RCCP	REINFORCED CONCRETE CULVERT PIPE
SHES	SPECIAL HIGH EARLY STRENGTH

SECTION 2 ORDER OF SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL
PERMANENT SIGNING
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL TEMPORARY
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL AND STAGING
ALIGNMENT

UTILITY CONTACTS

AT&T WISCONSIN
MICHAEL VANBOVEN
411 7TH STREET
RACINE, WI 53403
OFFICE: (262) 636-0514
CELL: (262) 676-3958
mv3658@att.com

ATC MANAGEMENT, INC
CHRIS DAILEY
PO BOX 47
DE PERE, WI 54115-6113
(262) 506-6884
cdailey@atcllc.com

CHARTER COMMUNICATIONS
BEAU ABUYA
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 758-9241
beau.abuya@charter.com

EVERSTREAM
SHAD GARCIA
324 E WISCONSIN AVE, STE 730
MILWAUKEE, WI 53202
OFFICE: (414) 409-1708
CELL: (414) 522-6685
sgarcia@everstream.net

FRONTIER COMMUNICATIONS OF WI LLC
CALE KLADE
521 4TH ST
WAUSAU, WI 54401
(715) 573-2110
russell.w.ryan@ftr.com

KENOSHA WATER UTILITY
STEVE THUSIUS
4401 GREEN BAY RD
KENOSHA, WI 53144
(262) 653-4315
sthusius@kenosha.org

MIDWEST FIBER NETWORKS LLC
CORY SCHMUKI
6070 NORTH FLINT RD
GLENDALE, WI 53209
OFFICE: (414) 459-3561
CELL: (414) 349-2764
cschmuki@midwestfibernetworks.com

NORTH SHORE GAS COMPANY
JAY HAMMER
3001 GRAND AVE
WAUKEGAN, IL 60085
(847) 263-4678
jay.hammer@northshoregasdelivery.com

PAETEC COMMUNICATIONS, LLC
LORI KETTER
314 N DANZ AVE
GREEN BAY, WI 54302
(414) 274-9215
lori.ketter@windstream.com

TDS TELECOM
DAVE HUWE
525 JUNCTION RD
MADISON, WI 53717
(608) 664-4312
dave.huwe@tdstelecom.com

VILLAGE OF PADDOCK LAKE
TIMOTHY POPANDA
6969 236TH AVE
SALEM, WI 53168
(262) 843-2713
tpopanda@paddoclake.net

WE ENERGIES - ELECTRICITY
ADAM PSICIHULIS
700 KANE ST
BURLINGTON, WI 53105
OFFICE: (262) 763-1011
CELL: (262) 490-1259
adam.psicihulis@we-energies.com

WE ENERGIES - GAS/PETROLEUM
SCOTT HOLSTEIN
700 S KANE ST
BURLINGTON, WI 53105
OFFICE: (262) 763-1084
CELL: (262) 949-0490
scott.holstein@we-energies.com

WEST SHORE PIPE LINE COMPANY
ARIC AUFDERMAUER
9999 HAMILTON BLVD
BREINGSVILLE, PA 18031
(610) 904-4409
aaufdermauer@buckeye.com

WISDOT- ATR PULL BOXES
RUSSELL LEWIS
3625 PIERSTROFF ST
MADISON, WI 53704
(608) 516-5754
russell.lewis@dot.wi.gov

WISDOT- STREET LIGHTING
ERIC PEREA
141 NW BARSTOW ST
WAUKESHA, WI 53188
OFFICE: (262) 574-5422
CELL: (414) 750-0935
eric.perea@dot.wi.gov

WISDOT- TRAFFIC SIGNALS
MATTHEW COWAP
141 NW BARSTOW ST
WAUKESHA, WI 53188
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matthew.cowap@dot.wi.gov

OTHER CONTACTS

BRISTOL UTILITY
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(262) 857-2368

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BRISTOL, WI 53104-9772
(262) 857-1870
clement.abongwa@kenoshacounty.org

SEWRPC
ROB W. MERRY
W239 N1812 ROCKWOOD DR
PO BOX 1607
WAUKESHA, WI 53187-1607
(262) 953- 4289
rmerry@sewrpc.org

VILLAGE OF BRISTOL
RANDALL KERKMAN
19801 83RD ST
BRISTOL, WI 53104
(262) 857-2368
bristoladmin@wi.rr.com

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

DNR LIAISON
BENTON STELZEL
141 NW BARSTOW ST, ROOM 180
WAUKESHA, WI 53187
(262) 623-0194
benton.stelzel@wisconsin.gov

WISDOT CONTACT
FRANK PRITZLAFF
WISDOT SOUTHEAST REGION
WAUKESHA OFFICE
141 NW BARSTOW ST
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DESIGNER CONTACT
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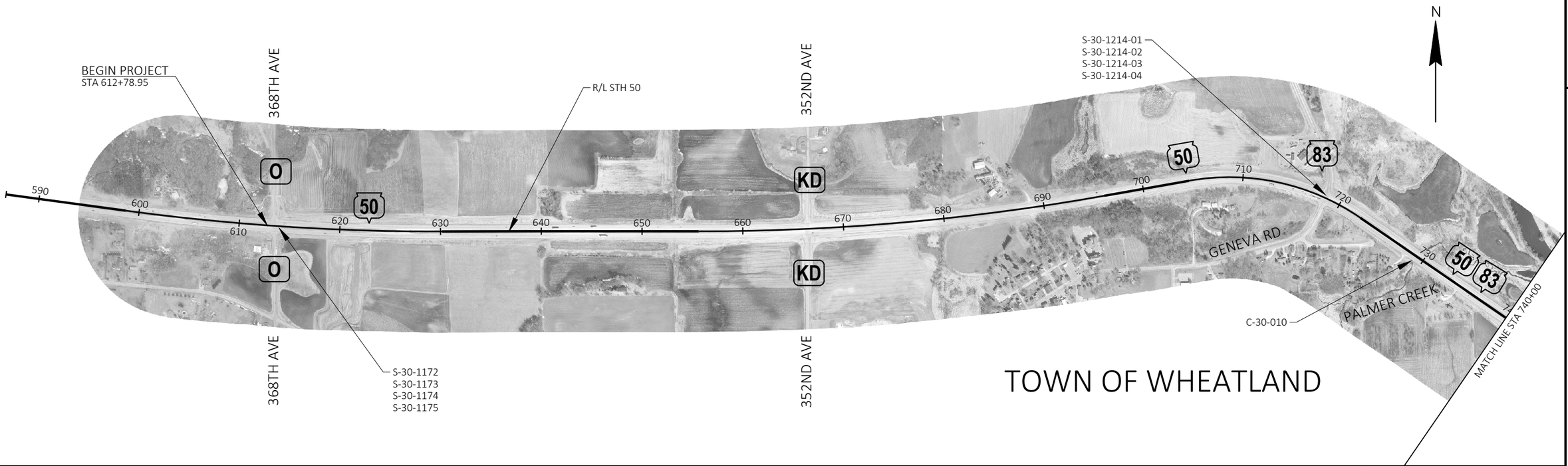
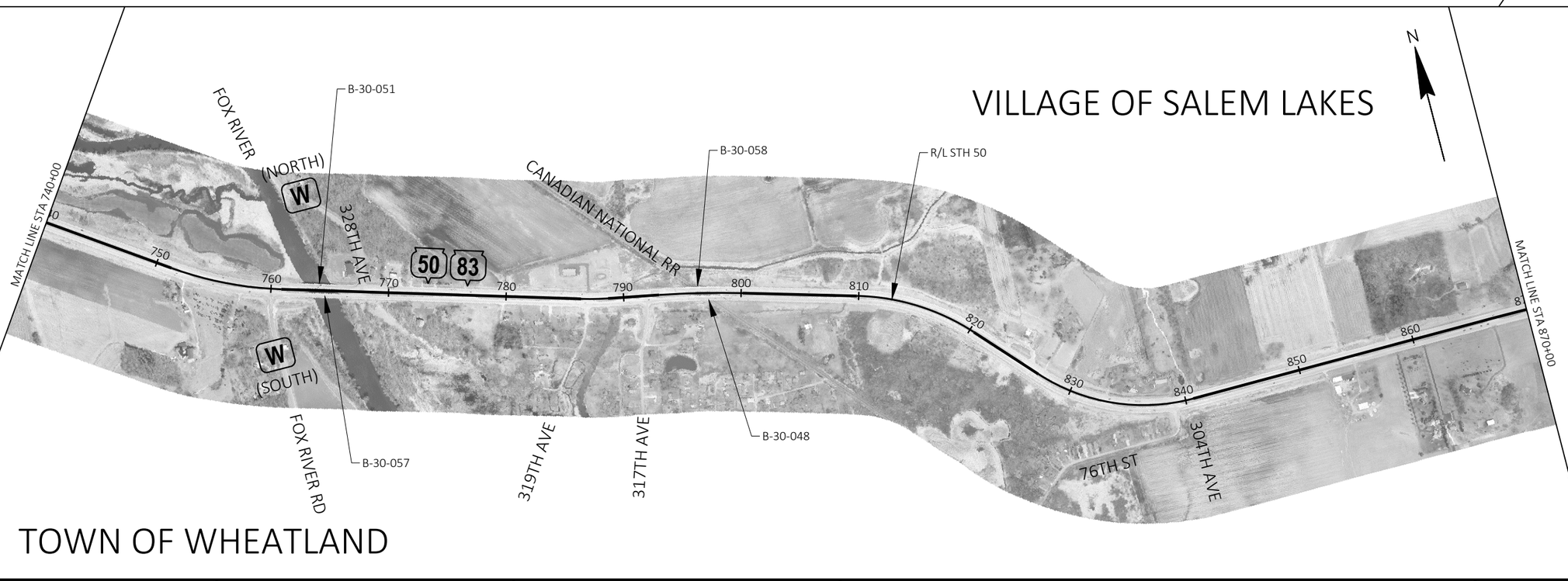
10501 W RESEARCH DR, STE 100
MILWAUKEE, WI 53226
PHONE: (414) 292-4599
FAX: (414) 771-4490
ynenaydykh@bloomcos.com





PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PROJECT OVERVIEW	SHEET 3	E

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LAYOUT NAME - 020201-po
PLOT DATE : 12/1/2020 9:17 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 42

2

VILLAGE OF SALEM LAKES

288TH AVE

S-30-1101
S-30-1102
S-30-1103
S-30-1104

R/L STH 50

VILLAGE OF PADDOCK LAKE

N

256TH AVE/
ANTIOCH RD

265TH AVE

MATCH LINE STA 870+00

50 83 B

870 880 890 900 910 920 930 940 950 960 970 980 990 75TH ST 1000 10

75

MATCH LINE STA 1010+00

B 75 83

288TH AVE

261ST AVE

SILVER LAKE RD

BEGIN EXCEPTION TO NET CENTERLINE
STA 994+20.64

2

N

250TH AVE

248TH AVE

R-30-045
R-30-044

236TH AVE

END EXCEPTION TO NET CENTERLINE
STA 1068+21.42

R/L STH 50

VILLAGE OF BRISTOL

PADDOCK LAKE

246TH AVE

243RD AVE

MATCH LINE STA 1010+00

50 10 1020 1030 1040 1050 75TH ST 1060 1070 1080 1090 1100 1110 1120 1130 1140 50 11

SALEM BRANCH

MATCH LINE STA 1150+00

256TH AVE/
ANTIOCH RD

244TH AVE

242ND AVE

216TH AVE

B-30-061

VILLAGE OF PADDOCK LAKE

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PROJECT OVERVIEW	SHEET 4	E

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LAYOUT NAME - 020202-po

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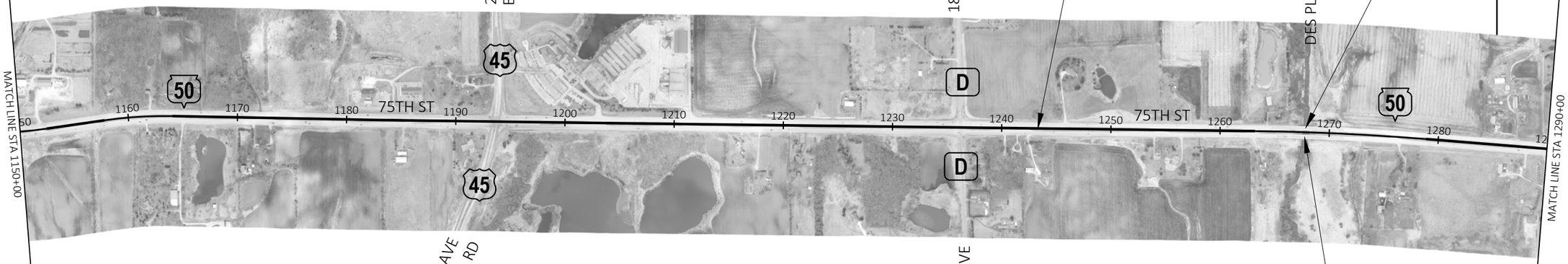
2

VILLAGE OF BRISTOL



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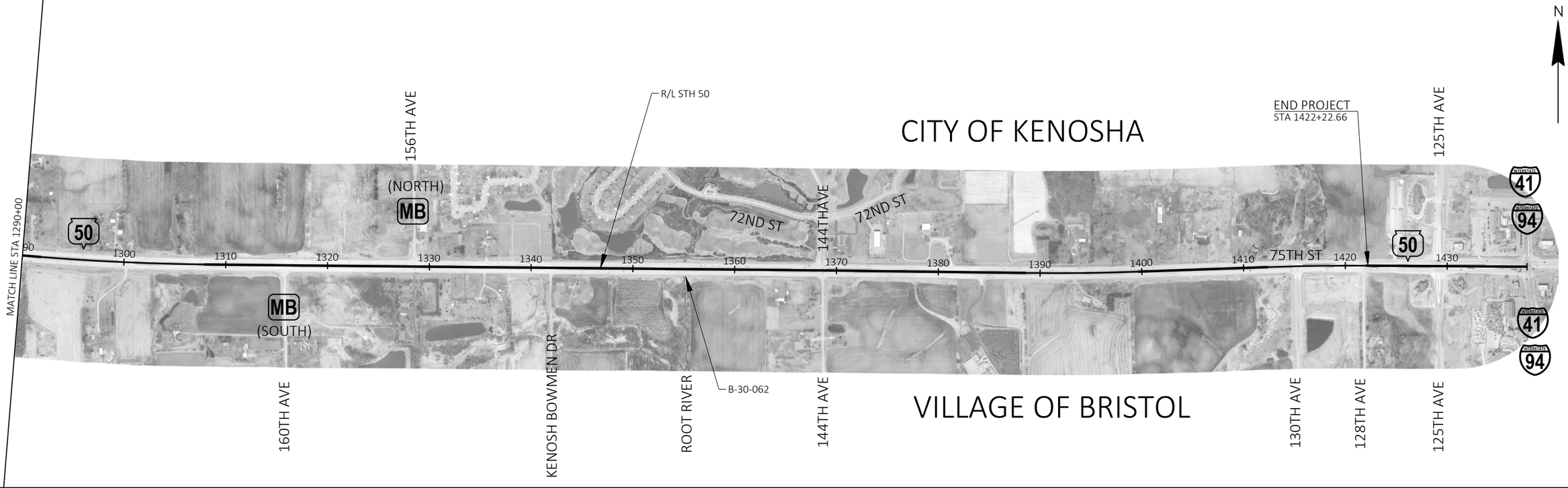

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WISDOT/CADDS SHEET 42

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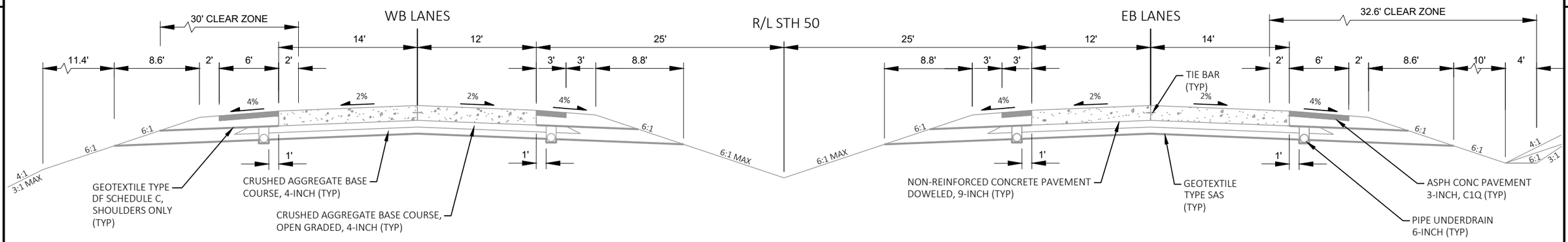
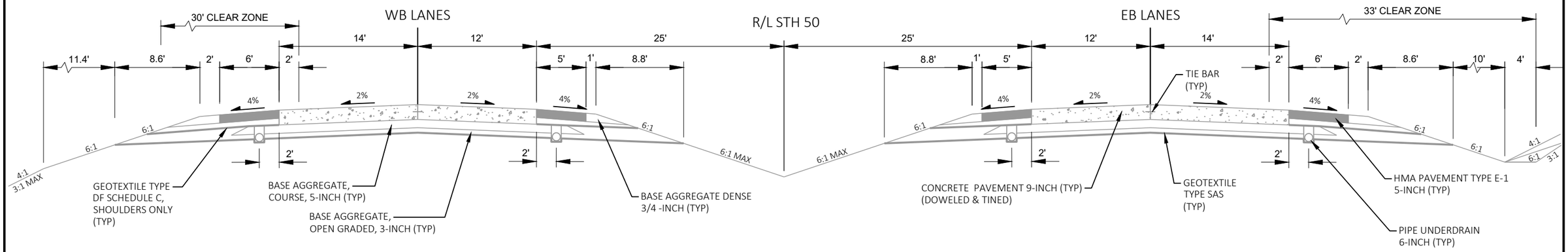


TYPICAL EXISTING SECTION
STH 50

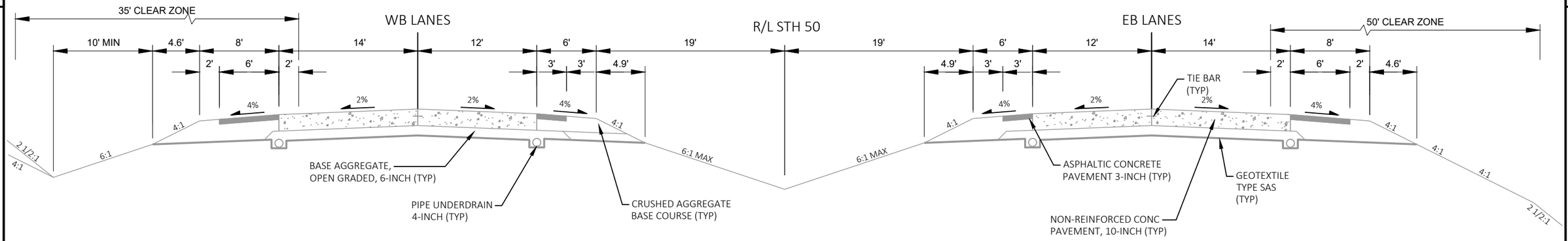
STA 612+79 TO STA 641+00
STA 706+00 TO STA 732+00



TYPICAL EXISTING SECTION
STH 50

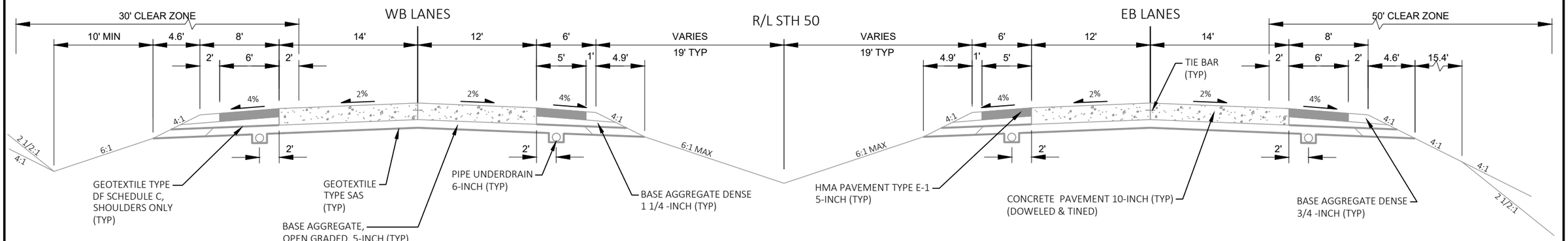
STA 641+00 TO STA 706+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TYPICAL EXISTING SECTIONS	SHEET 6	E



TYPICAL EXISTING SECTION
STH 50

STA 732+00 TO STA 753+75
STA 766+50 TO STA 935+00
STA 948+00 TO STA 964+00
STA 970+00 TO STA 986+50



TYPICAL EXISTING SECTION
STH 50

STA 753+75 TO STA 766+50 (BRIDGE OMITTED)

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TYPICAL EXISTING SECTIONS	SHEET 7	E

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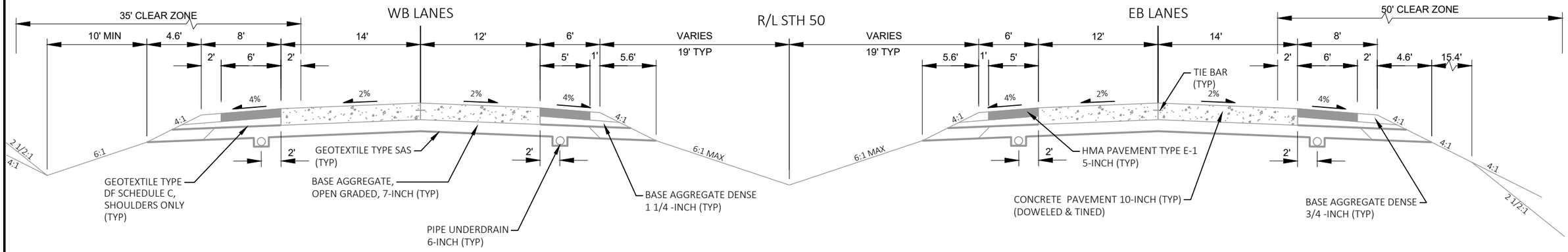
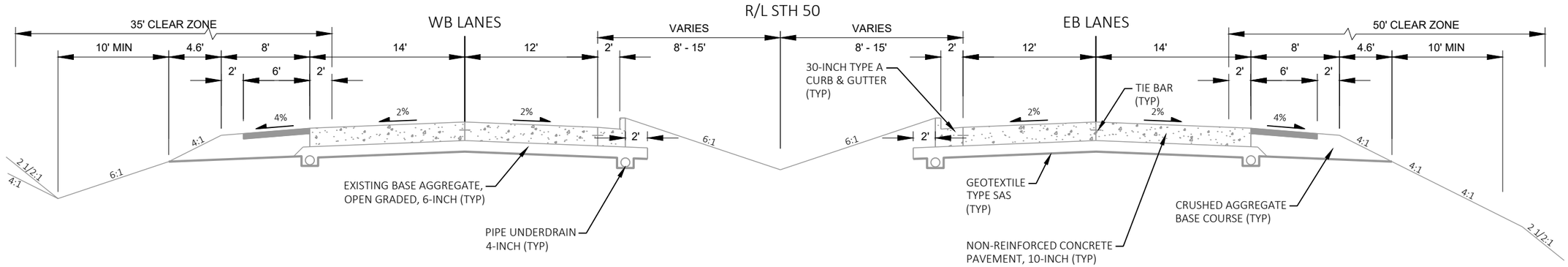
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION
STH 50

STA 935+00 TO STA 948+00
STA 964+00 TO STA 970+00

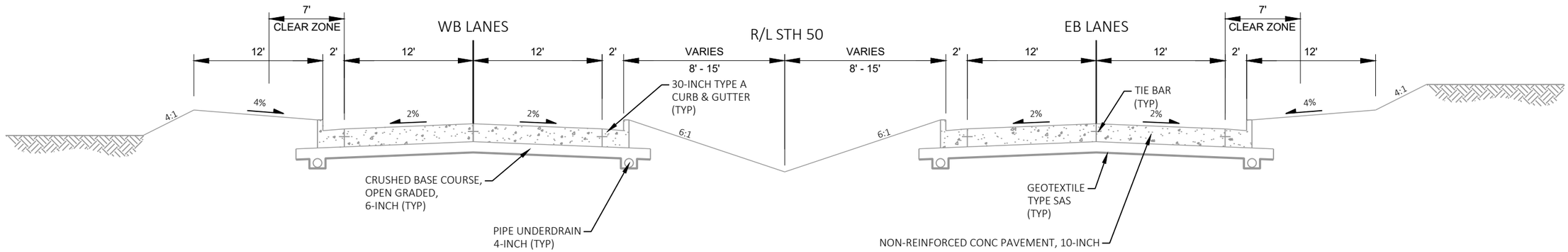


TYPICAL EXISTING SECTION
STH 50

STA 986+50 TO STA 992+25

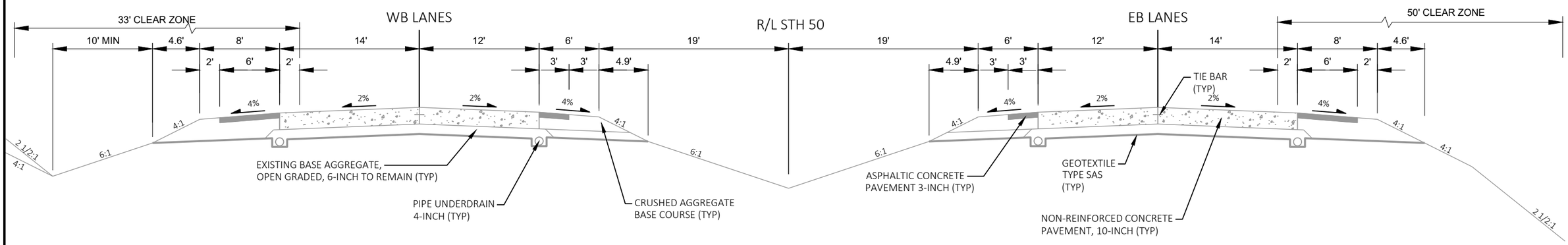
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TYPICAL EXISTING SECTIONS	SHEET 8	E

2



TYPICAL EXISTING SECTION
STH 50

STA 992+25 TO STA 994+21
STA 1068+21 TO STA 1071+50

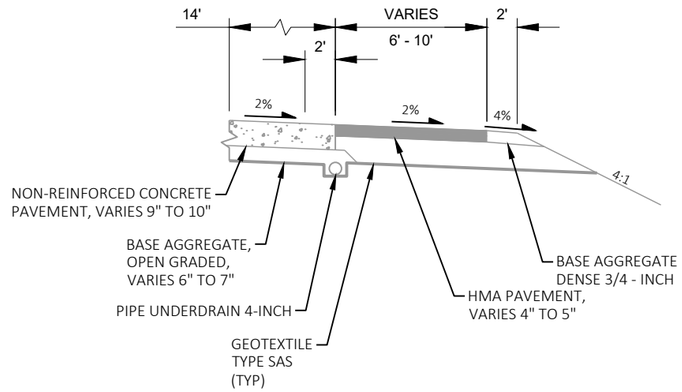


TYPICAL EXISTING SECTION
STH 50

STA 1071+50 TO STA 1265+00
STA 1265+00 TO STA 1271+00 (BRIDGE OMITTED)
STA 1271+00 TO STA 1422+23

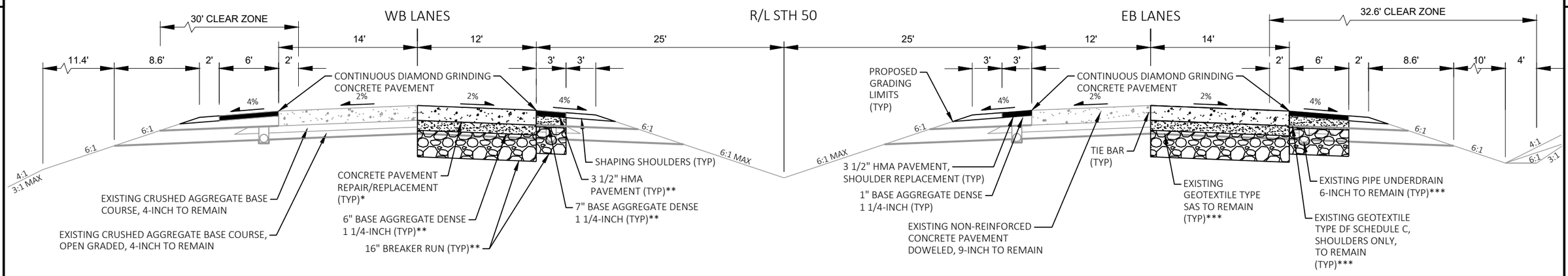
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TYPICAL EXISTING SECTIONS	SHEET 9	E

2



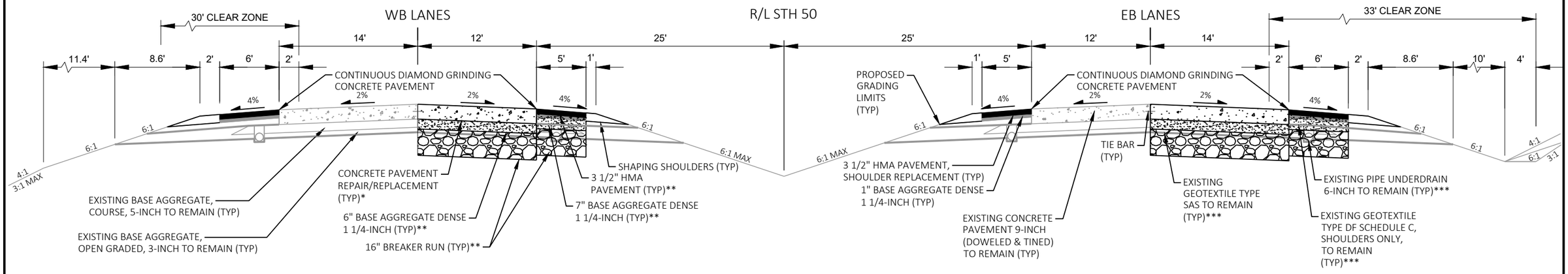
TYPICAL EXISTING SECTION
STH 50

RIGHT TURN LANE ADJACENT TO CONCRETE PAVEMENT



TYPICAL FINISHED SECTION
STH 50

STA 612+79 TO STA 641+00
STA 706+00 TO STA 732+00



TYPICAL FINISHED SECTION
STH 50

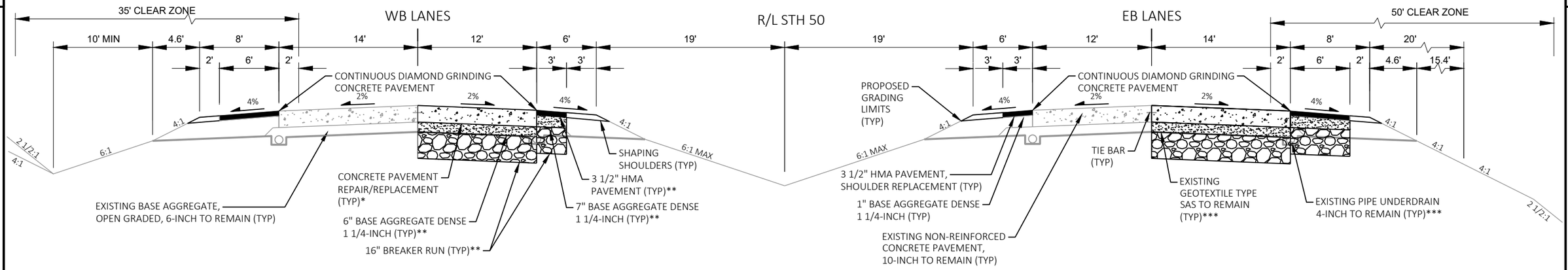
STA 641+00 TO STA 706+00

NOTES:

* SEE PLAN DETAILS FOR SPECIFIC LOCATIONS OF CONCRETE PAVEMENT REPAIR/REPLACEMENT ON INSIDE AND OUTSIDE LANES.

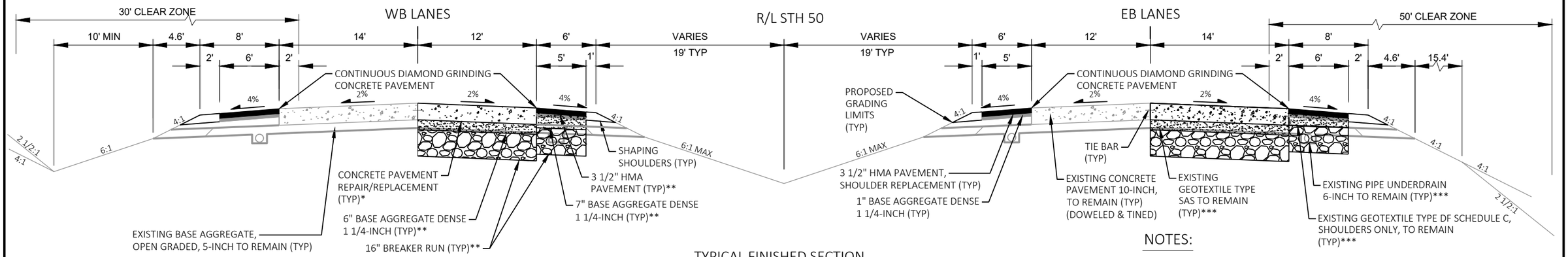
** ALL LOCATIONS AND LIMITS OF SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS AND HMA PAVEMENT ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD ON INSIDE AND OUTSIDE LANES AND SHOULDERS.

*** REPLACE DISTURBED PIPE UNDERDRAIN AND GEOTEXTILE FABRIC, MATCHING IN-KIND, FROM EBS OPERATIONS IF NEEDED, TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



TYPICAL FINISHED SECTION
STH 50

STA 732+00 TO STA 753+75
STA 766+50 TO STA 935+00
STA 948+00 TO STA 964+00
STA 970+00 TO STA 986+50



TYPICAL FINISHED SECTION
STH 50

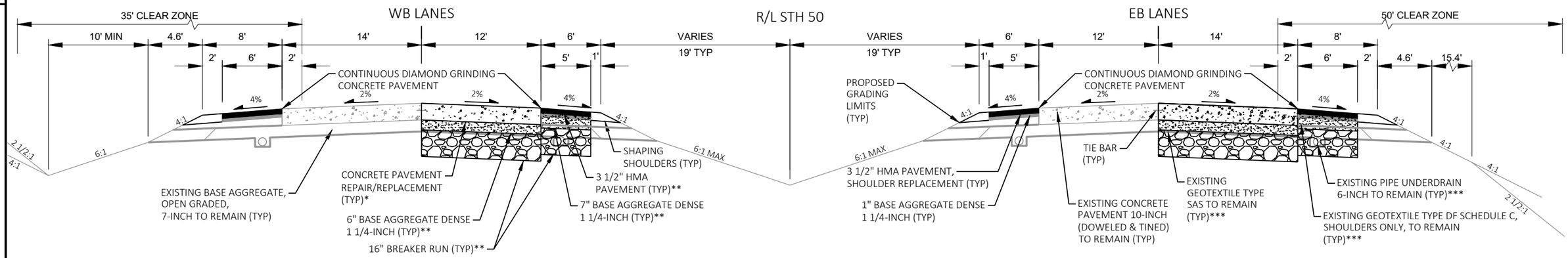
STA 753+75 TO STA 766+50 (BRIDGE OMITTED)

NOTES:

* SEE PLAN DETAILS FOR SPECIFIC LOCATIONS OF CONCRETE PAVEMENT REPAIR/REPLACEMENT ON INSIDE AND OUTSIDE LANES.

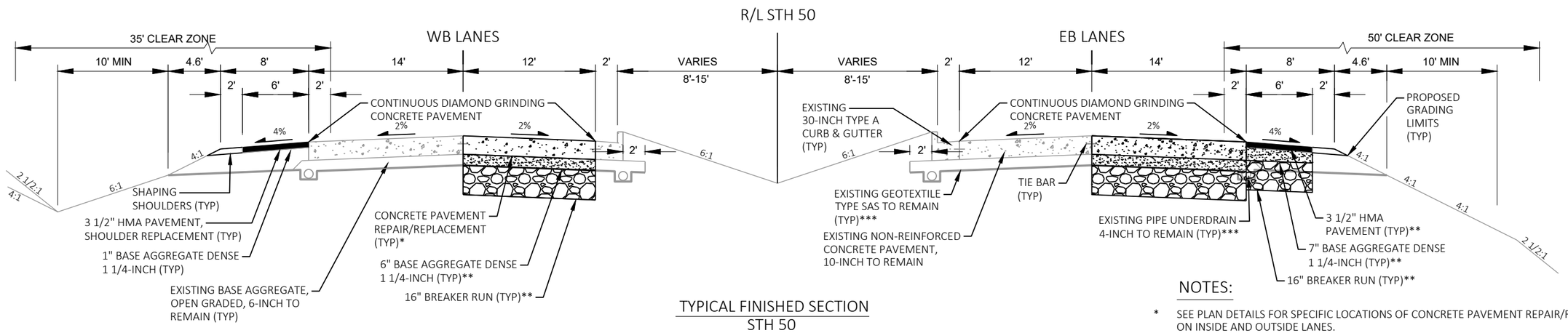
** ALL LOCATIONS AND LIMITS OF SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS AND HMA PAVEMENT ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD ON INSIDE AND OUTSIDE LANES AND SHOULDERS.

*** REPLACE DISTURBED PIPE UNDERDRAIN AND GEOTEXTILE FABRIC, MATCHING IN-KIND, FROM EBS OPERATIONS IF NEEDED, TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



TYPICAL FINISHED SECTION
STH 50

STA 935+00 TO STA 948+00
STA 964+00 TO STA 970+00



TYPICAL FINISHED SECTION
STH 50

STA 986+50 TO STA 992+25

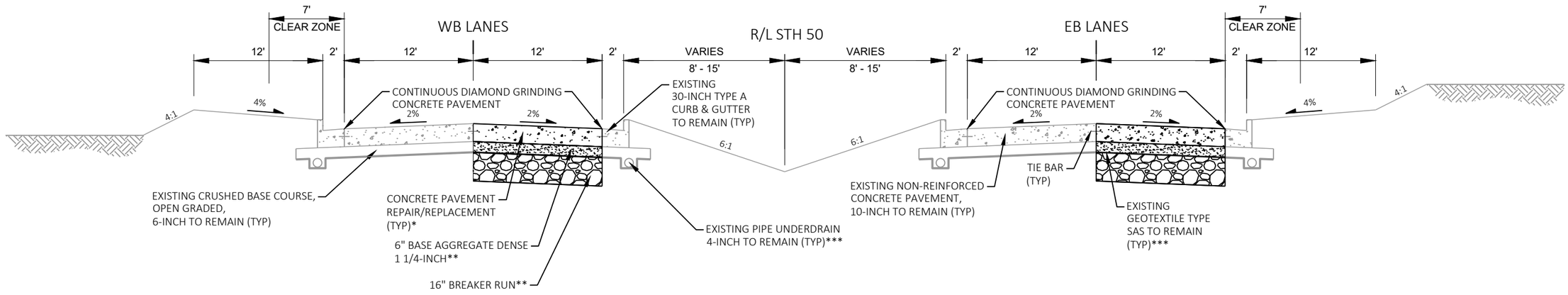
NOTES:

* SEE PLAN DETAILS FOR SPECIFIC LOCATIONS OF CONCRETE PAVEMENT REPAIR/REPLACEMENT ON INSIDE AND OUTSIDE LANES.

** ALL LOCATIONS AND LIMITS OF SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS AND HMA PAVEMENT ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD ON INSIDE AND OUTSIDE LANES AND SHOULDERS.

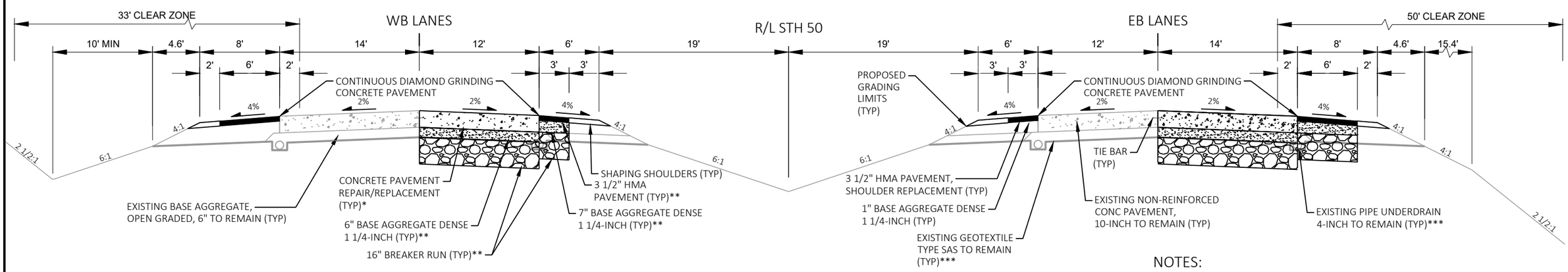
*** REPLACE DISTURBED PIPE UNDERDRAIN AND GEOTEXTILE FABRIC, MATCHING IN-KIND, FROM EBS OPERATIONS IF NEEDED, TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TYPICAL FINISHED SECTIONS	SHEET 13	E



TYPICAL FINISHED SECTION
STH 50

STA 992+25 TO STA 994+21
STA 1068+21 TO STA 1071+50



TYPICAL FINISHED SECTION
STH 50

STA 1071+50 TO STA 1265+00
STA 1265+00 TO STA 1271+00 (BRIDGE OMITTED)
STA 1271+00 TO STA 1422+23

NOTES:

* SEE PLAN DETAILS FOR SPECIFIC LOCATIONS OF CONCRETE PAVEMENT REPAIR/REPLACEMENT ON INSIDE AND OUTSIDE LANES.

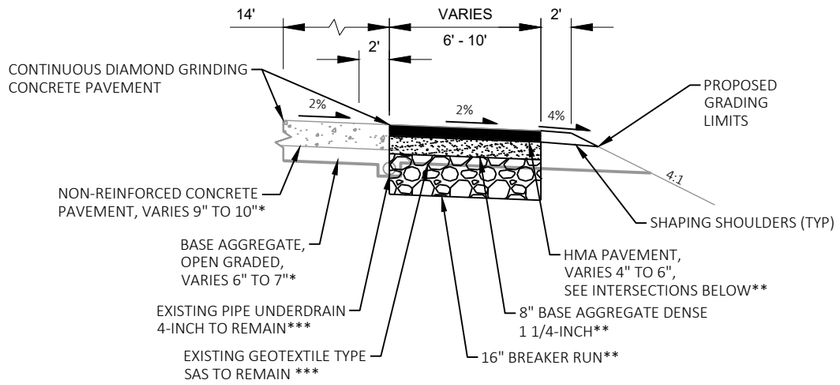
** ALL LOCATIONS AND LIMITS OF SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS AND HMA PAVEMENT ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD ON INSIDE AND OUTSIDE LANES AND SHOULDERS.

*** REPLACE DISTURBED PIPE UNDERDRAIN AND GEOTEXTILE FABRIC, MATCHING IN-KIND, FROM EBS OPERATIONS IF NEEDED, TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TYPICAL FINISHED SECTIONS	SHEET 14	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\020401-TS.DWG
LAYOUT NAME - 020404-ts
PLOT DATE : 11/2/2020 12:53 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



TYPICAL FINSHED SECTION
STH 50

RIGHT TURN LANE ADJACENT TO CONCRETE PAVEMENT

5" EXCAVATION COMMON & 4" HMA
CTH KD/352ND AVE
319TH AVE
317TH AVE
CTH W (SOUTH)
CTH W (NORTH)
304TH AVE
265TH AVE
261ST AVE
216TH AVE
CTH D/184TH AVE
CTH MB (SOUTH)/160TH AVE
CTH MB (NORTH)/156TH AVE
144TH AVE
128TH AVE

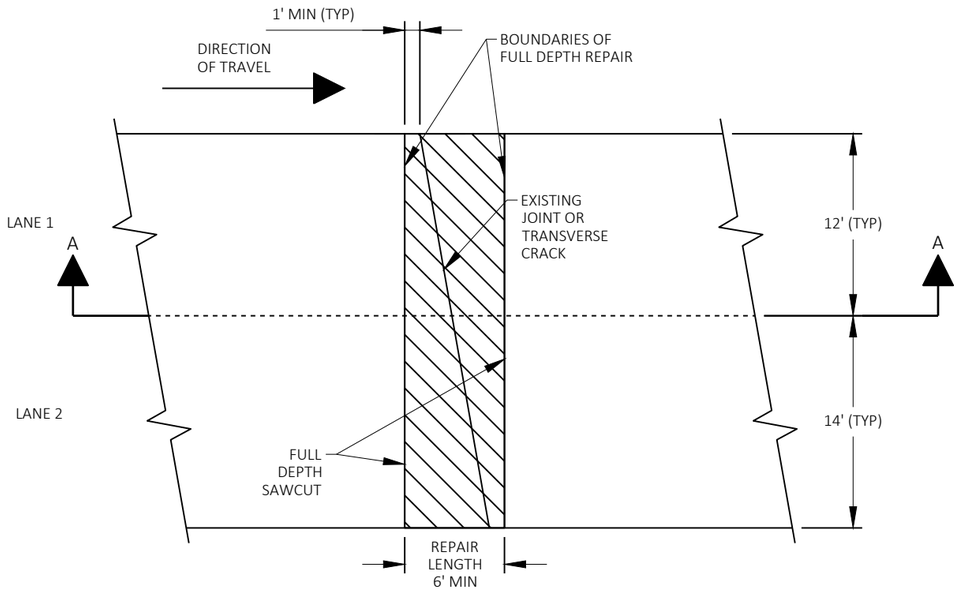
7" EXCAVATION COMMON & 6" HMA
CTH O/368TH AVE
STH 83/GENEVA RD
KENOSHA DEPT. OF PUBLIC WORKS (STA 1204+00)

NOTES:

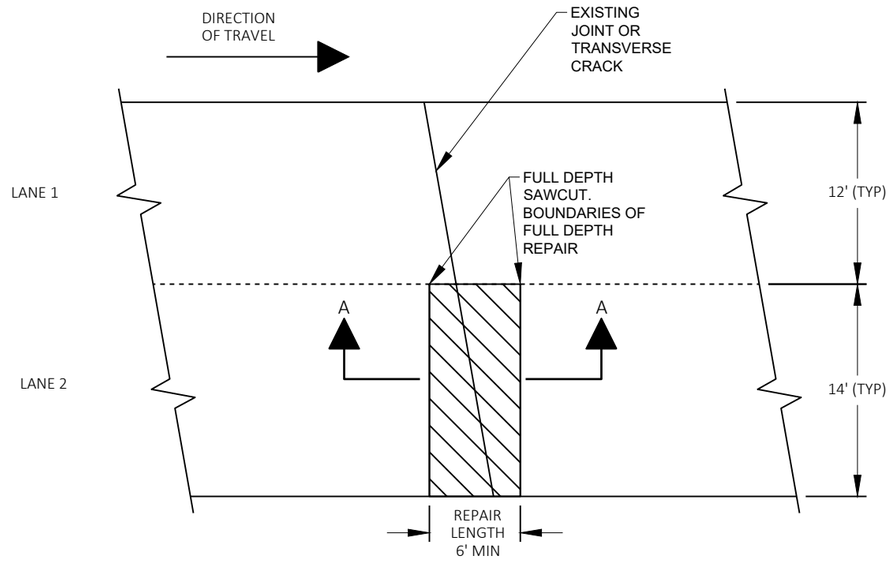
* SEE PLAN DETAILS FOR SPECIFIC LOCATIONS OF CONCRETE PAVEMENT REPAIR/REPLACEMENT ON INSIDE AND OUTSIDE LANES.

** ALL LOCATIONS AND LIMITS OF SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS AND HMA PAVEMENT ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD ON INSIDE AND OUTSIDE LANES AND SHOULDERS.

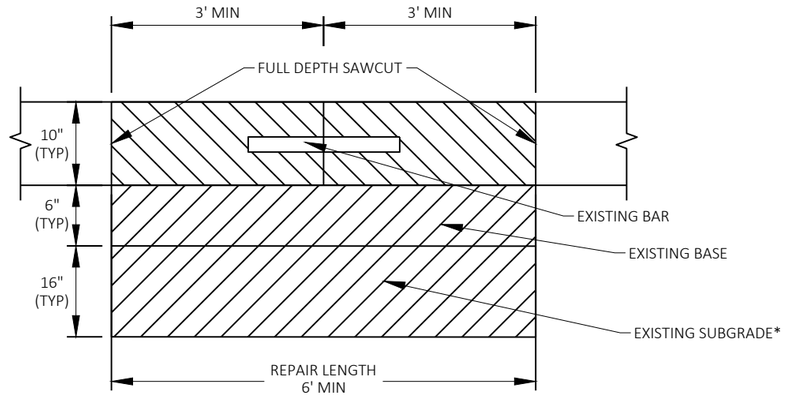
*** REPLACE DISTURBED PIPE UNDERDRAIN AND GEOTEXTILE FABRIC, MATCHING IN-KIND, FROM EBS OPERATIONS IF NEEDED, TO BE DETERMINED BY THE ENGINEER IN THE FIELD.



PLAN VIEW
(DOUBLE LANE REPAIR)



PLAN VIEW
(SINGLE LANE REPAIR)

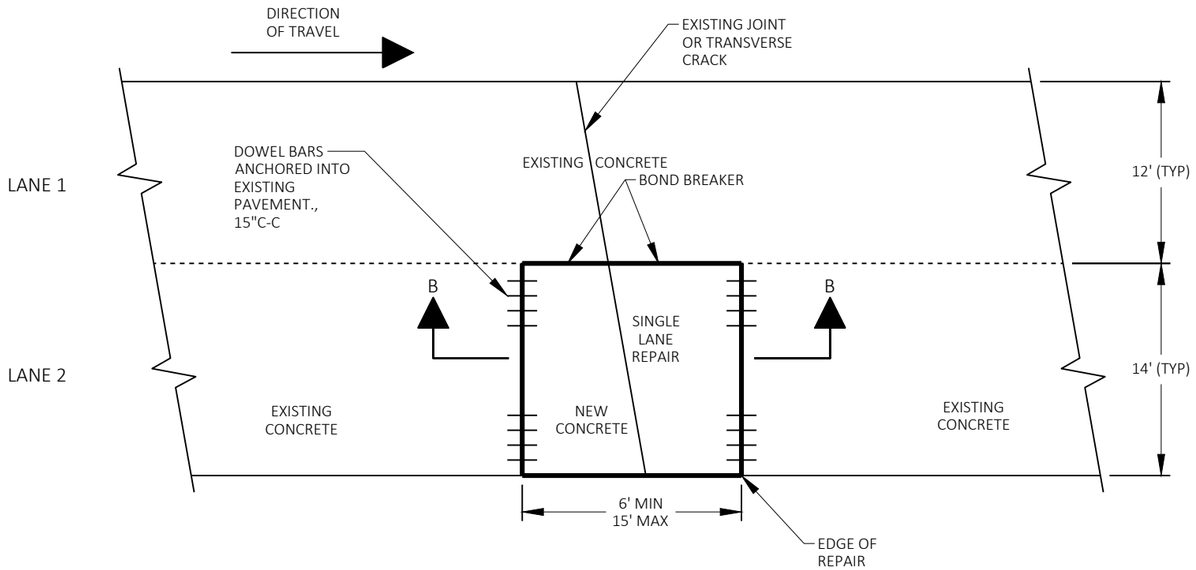


SECTION A-A
CONCRETE REMOVAL

FULL DEPTH CONCRETE PAVEMENT REMOVAL

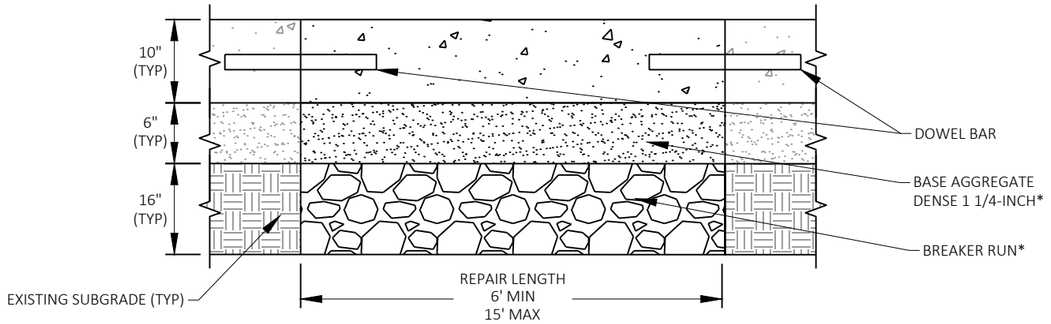
NOTE

* ALL LOCATIONS AND LIMITS OF EXCAVATION COMMON NEEDED FOR SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS ARE TO DETERMINED BY THE ENGINEER IN THE FIELD.



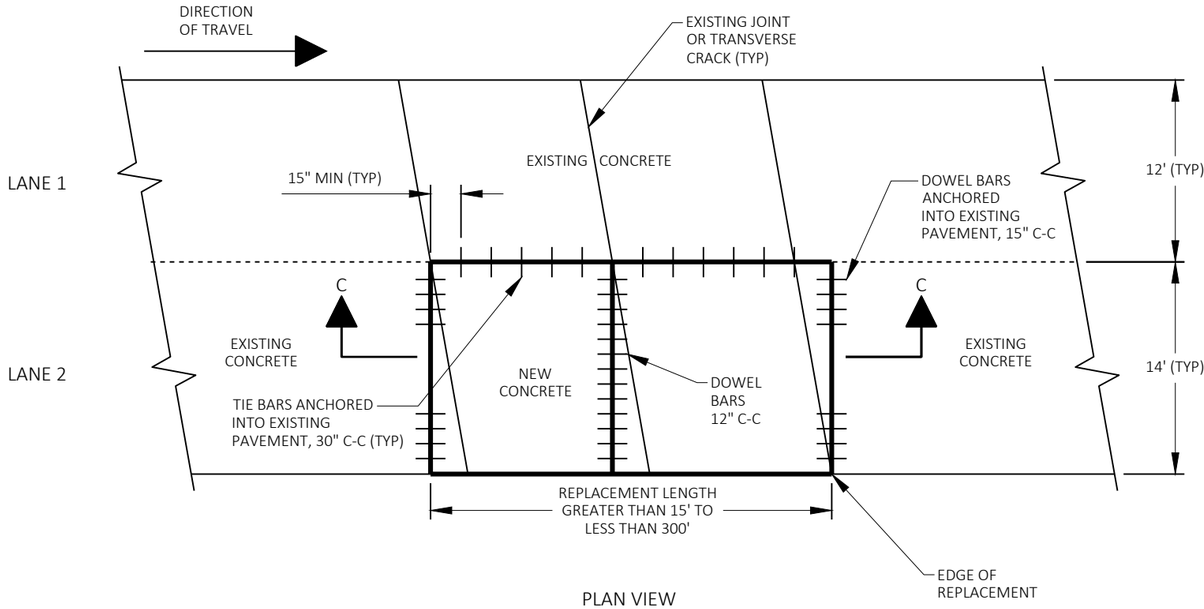
PLAN VIEW
(SINGLE LANE)

CONCRETE PAVEMENT REPAIR



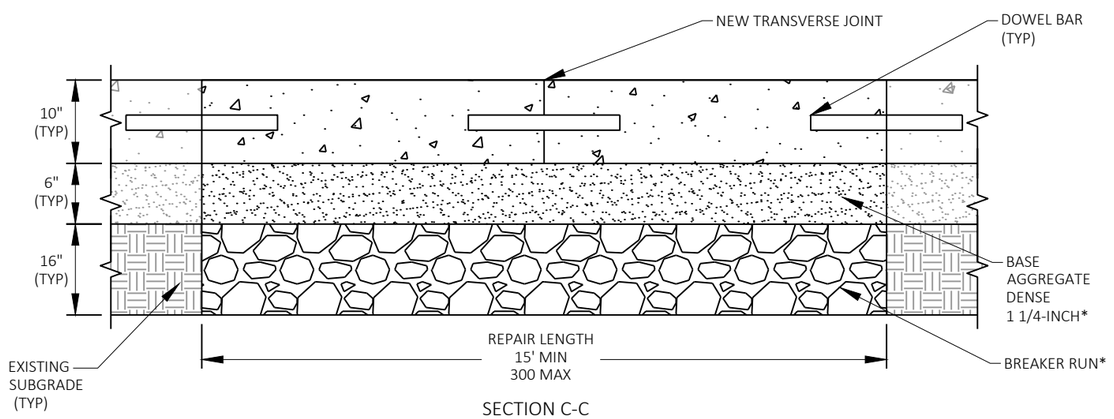
SECTION B-B
CONCRETE REPAIR WITH
IDENTIFIED SUBGRADE IMPROVEMENTS

CONCRETE
PAVEMENT REPAIR



PLAN VIEW
(SINGLE LANE)

CONCRETE PAVEMENT REPLACEMENT



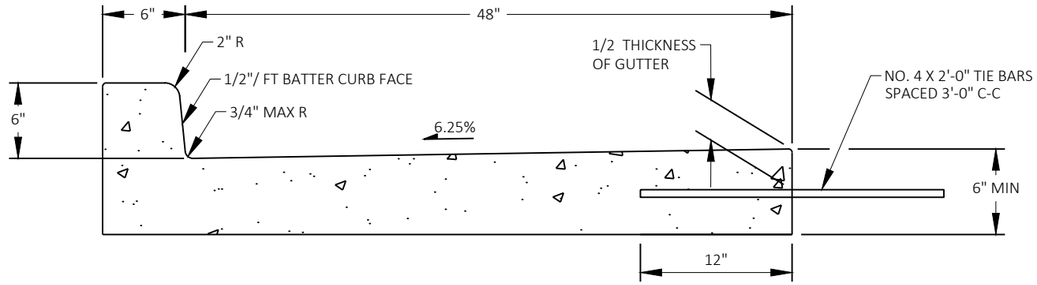
SECTION C-C
CONCRETE REPLACEMENT WITH
IDENTIFIED SUBGRADE IMPROVEMENTS

CONCRETE
PAVEMENT REPLACEMENT

NOTE

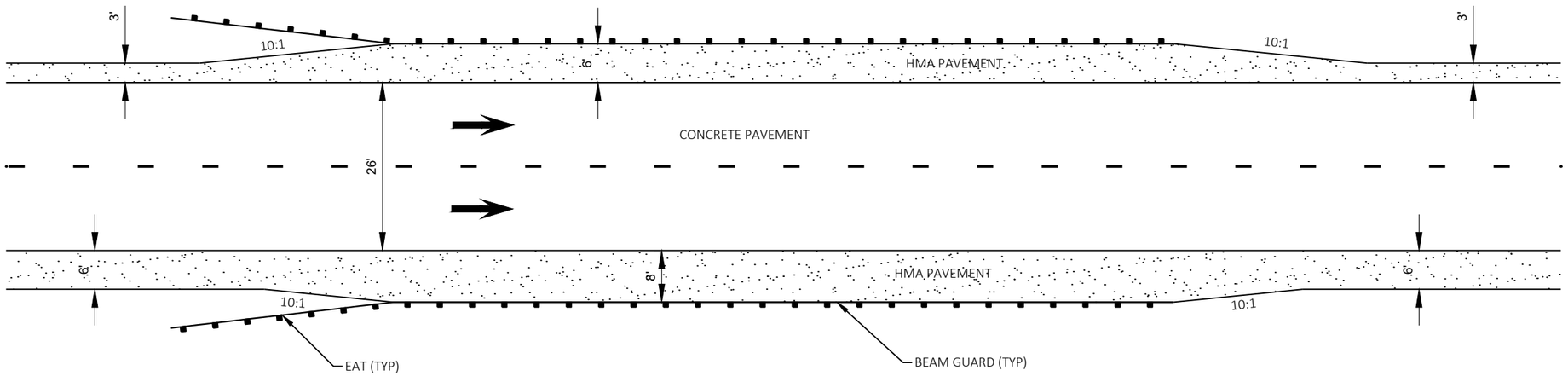
* ALL LOCATIONS AND LIMITS OF EXCAVATION COMMON NEEDED FOR SUBGRADE IMPROVEMENTS FOR CONCRETE PAVEMENT REPAIRS/REPLACEMENTS ARE TO DETERMINED BY THE ENGINEER IN THE FIELD.

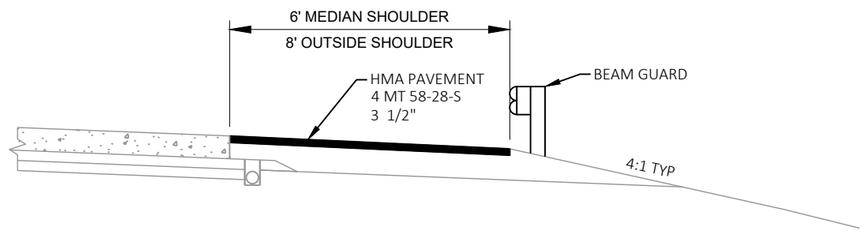
2



CONCRETE CURB & GUTTER 54-INCH TYPE A SPECIAL

STA 1197+58 - STA 1197+70





FINISHED SHOULDER SECTION AT BEAM GUARD

STA 728+69 TO STA 731+34 LT	STA 909+51 TO STA 911+07 RT	STA 1265+22 TO STA 1266+77 RT
STA 728+66 TO STA 729+96 RT	STA 910+27 TO STA 911+81 LT	STA 1265+86 TO STA 1266+77 RT
STA 761+53 TO STA 762+55 LT	STA 919+18 TO STA 920+86 LT	STA 1266+27 TO STA 1266+80 LT
STA 761+79 TO STA 762+99 RT	STA 919+18 TO STA 920+88 RT	STA 1268+75 TO STA 1269+45 LT
STA 762+36 TO STA 763+25 RT	STA 1135+10 TO STA 1136+82 LT	STA 1268+77 TO STA 1269+15 RT
STA 765+53 TO STA 766+10 LT	STA 1135+38 TO STA 1136+53 RT	STA 1354+13 TO STA 1355+47 LT
STA 766+10 TO STA 766+91 RT	STA 1144+92 TO STA 1146+46 RT	STA 1354+55 TO STA 1355+45 RT

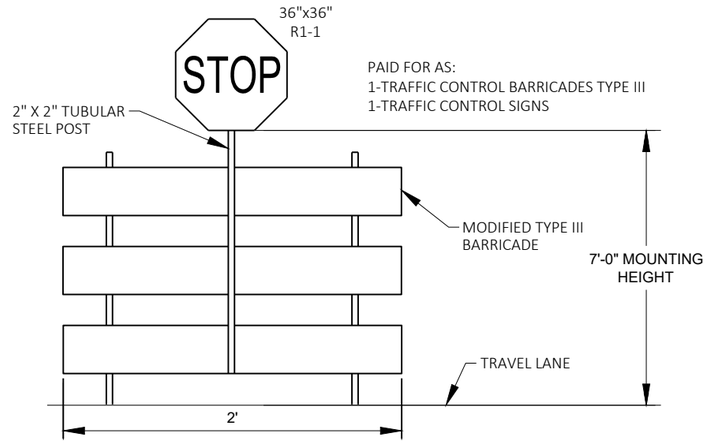
2

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 = 199.45 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 199.45 ACRES

2



TEMPORARY STOP SIGN

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	CONSTRUCTION DETAILS	SHEET 20	E

2

2

N

SALEM BRANCH

STA 1135+30.48 TO STA 1135+80.48
REPLACE EXISTING END TERMINAL WITH STEEL PLATE BEAM GUARD CLASS A AND ANCHORAGES FOR STEEL PLATE BEAM GUARD TYPE 2

STA 1136+62.35 TO STA 1137+12.35
REPLACE EXISTING END TERMINAL WITH STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

EXISTING R/W

STH 50

TYPE 2 ANCHOR
STA 1135+30.48
-59.95' LT

POST 9
STA 1136+62.35
-61.30' LT

POST 1
STA 1137+12.35
-63.30' LT

1133 1134 1135 1136 1137 1138 11

POST 1
STA 1135+07.60
61.93' RT

POST 9
STA 1135+57.60
59.93' RT

B-30-061

STA 1135+07.60 TO STA 1135+57.60
REPLACE EXISTING END TERMINAL WITH STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

EXISTING R/W

SALEM BRANCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	CONSTRUCTION DETAILS - BEAM GUARD REPLACEMENTS	SHEET 21	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021010-CD.DWG
LAYOUT NAME - 021010-cd

PLOT DATE : 10/28/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

EXISTING R/W

STH 50

PC: 1146+78.16

1142 1143 1144 1145 1146 1147

POST 1
STA 1144+62.11
61.19' RT

POST 9
STA 1145+12.11
59.19' RT

STA 1144+49.63 TO STA 1145+12.11
REPLACE EXISTING END TERMINAL WITH STEEL
PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	CONSTRUCTION DETAILS - BEAM GUARD REPLACEMENTS	SHEET 22	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021010-CD.DWG
LAYOUT NAME - 021011-cd

PLOT DATE : 10/28/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

DES PLAINES RIVER

EXISTING R/W

STA 1266+46.80 TO STA 1267+00.00
REPLACE EXISTING END TERMINAL WITH STEEL PLATE
BEAM GUARD CLASS A AND ANCHORAGES FOR
STEEL PLATE BEAM GUARD TYPE 2

B-30-055

TYPE 2 ANCHOR
STA 1266+37.67
-58.70' LT

PC: 1263+20.57

POST 1
STA 1264+12.67
5.06' RT

POST 9
STA 1264+62.69
7.81' RT

1262 1263 1264 1265 1266 1267 1268

STH 50

STA 1264+12.67 TO STA 1264+62.69
REPLACE EXISTING END TERMINAL WITH STEEL
PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

B-30-054

DES PLAINES RIVER

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	CONSTRUCTION DETAILS - BEAM GUARD REPLACEMENTS	SHEET 23	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021010-CD.DWG
LAYOUT NAME - 021012-cd

PLOT DATE : 10/28/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

DES PLAINES RIVER

B-30-055

STA 1268+86.97 TO STA 1269+36.84
REPLACE EXISTING END TERMINAL WITH STEEL
PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

EXISTING R/W

STA 1271+29.34 TO STA 1271+92.62
REPLACE EXISTING END TERMINAL WITH STEEL
PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

POST 9
STA 1268+86.97
-61.05' LT

POST 1
STA 1269+36.84
-63.04' LT

STH 50

1268 1269 1270 1271 1272 1273 1274

POST 9
STA 1271+29.34
-16.34' LT

POST 1
STA 1271+79.30
-14.34' LT

B-30-054

DES PLAINES RIVER

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	CONSTRUCTION DETAILS - BEAM GUARD REPLACEMENTS	SHEET 24	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021010-CD.DWG
LAYOUT NAME - 021013-cd
PLOT DATE : 10/28/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

2

N

STA 1354+32.73 TO STA 1354+93.04
REPLACE EXISTING END TERMINAL WITH STEEL PLATE BEAM GUARD CLASS A AND ANCHORAGES FOR STEEL PLATE BEAM GUARD TYPE 2

EXISTING R/W

ROOT RIVER

STA 1355+26.88 TO STA 1355+76.88
REPLACE EXISTING END TERMINAL WITH STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

TYPE 2 ANCHOR
STA 1354+30.54
-60.96' LT

POST 9
STA 1355+26.88
-61.29' LT

POST 1
STA 1355+76.88
-63.29' LT

1352 1353 1354 1355 1356 1357 1358

STH 50

POST 1
STA 1354+25.25
63.86' RT

POST 9
STA 1354+75.25
61.86' RT

B-30-062

STA 1354+25.25 TO STA 1354+75.25
REPLACE EXISTING END TERMINAL WITH STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

ROOT RIVER

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	CONSTRUCTION DETAILS - BEAM GUARD REPLACEMENTS	SHEET 25	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021010-CD.DWG
LAYOUT NAME - 021014-cd

PLOT DATE : 10/28/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

BEGIN PROJECT
STA 612+78.95

368TH AVE

368TH AVE

EXISTING R/W

EXISTING R/W

612 614 616 618 620 622 624

R/L STH 50

50

MATCH LINE STA 626+00

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

N

EXISTING R/W

50

R/L STH 50

MATCH LINE STA 626+00

626 628 630 632 634 636 638 640

MATCH LINE STA 641+00

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 26	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021201-ec

PLOT DATE : 10/31/2020 3:26 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100 FT

2

2

MATCH LINE STA 641+00

MATCH LINE STA 656+00

EXISTING R/W

50

R/L STH 50

642 644 646 648 650 652 654

B

EXISTING R/W

EXISTING R/W

N

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

352ND AVE

KD

EXISTING R/W

N

EXISTING R/W

50

MATCH LINE STA 656+00

MATCH LINE STA 671+00

656 658 660 662 664 666 668 670

B

R/L STH 50

KD

352ND AVE

EXISTING R/W

EXISTING R/W

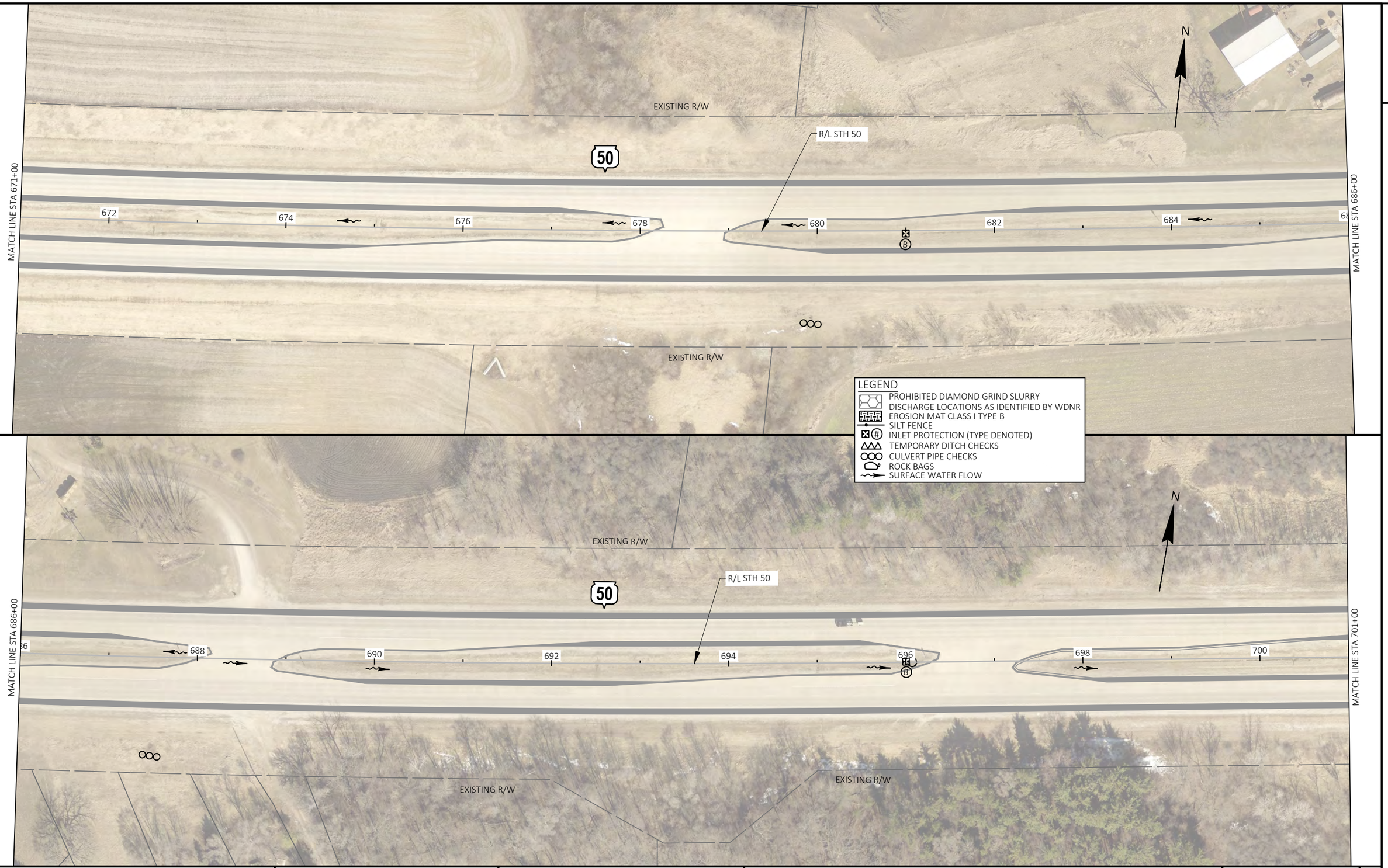
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 27	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021202-ec

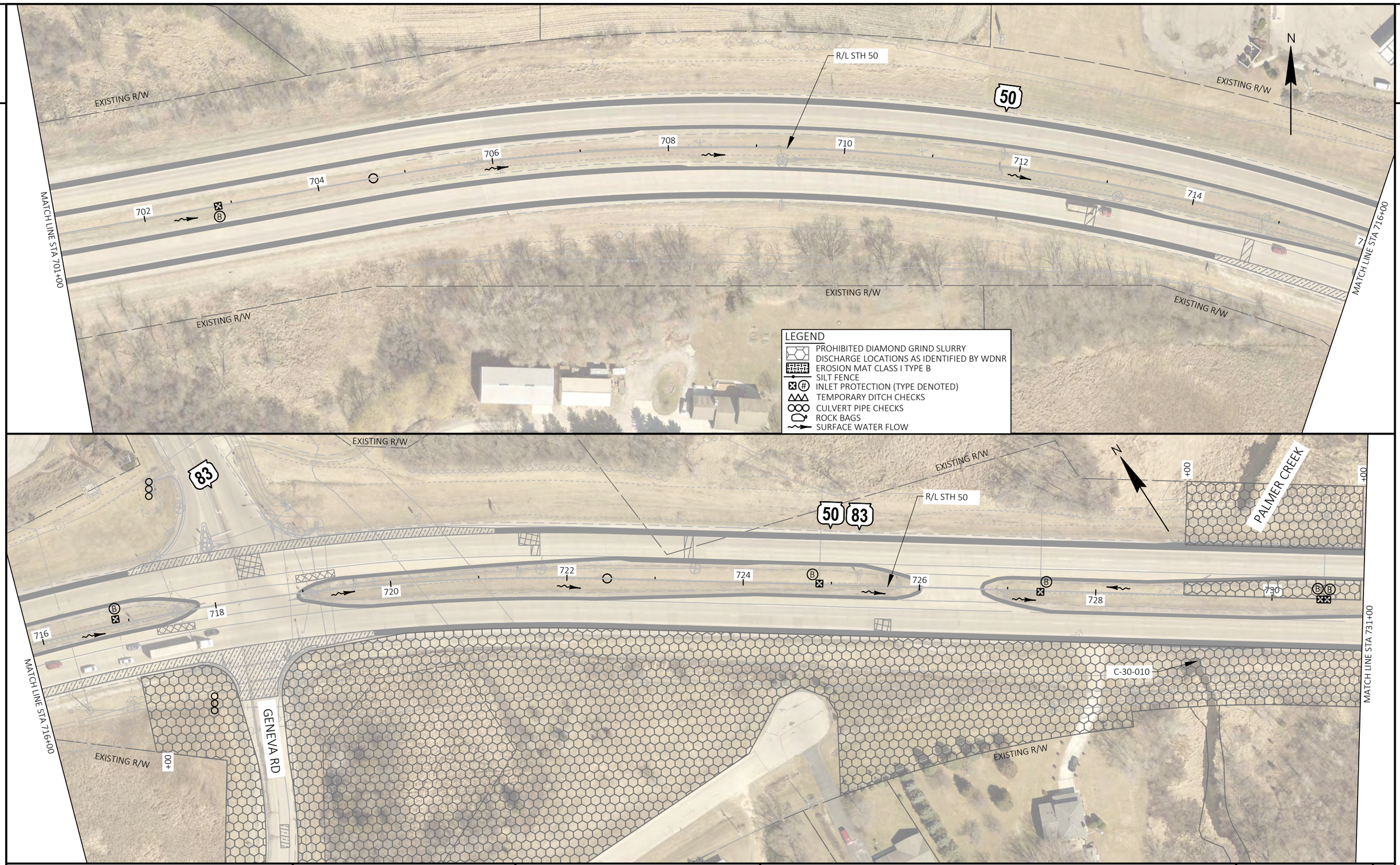
PLOT DATE : 10/31/2020 3:27 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 28	E



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 29	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021204-ec

PLOT DATE : 10/31/2020 3:27 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

EXISTING R/W

R/L STH 50

50 83

MATCH LINE STA 731+00

732 734 736 738 740 742 744

MATCH LINE STA 746+00

+00

EXISTING R/W

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

+01

EXISTING R/W

R/L STH 50

50 83

MATCH LINE STA 746+00

748 750 752 754 756 758 760

MATCH LINE STA 761+00

FOX RIVER DR

W

(SOUTH)

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 30	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021205-ec

PLOT DATE : 10/31/2020 3:28 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 761+00

(NORTH)

W

328TH AVE

EXISTING R/W

B-30-051

762

764

766

768

770

772

774

R/L STH 50

50 83

N

MATCH LINE STA 776+00

B-30-057

EXISTING R/W

+67

FOX RIVER

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

3 x B

MATCH LINE STA 776+00

EXISTING R/W

+05

R/L STH 50

50 83

N

EXISTING R/W

MATCH LINE STA 791+00

778

780

782

784

786

788

4 x B

319TH AVE

EXISTING R/W

EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 31	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021206-ec

PLOT DATE : 10/31/2020 3:28 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

2

EXISTING R/W

CANADIAN NATIONAL RR

B-30-058

EXISTING R/W

50 83

MATCH LINE STA 791+00

792

794

796

798

800

802

804

MATCH LINE STA 806+00

B-30-048

R/L STH 50

317TH AVE

EXISTING R/W

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

R/L STH 50

EXISTING R/W

EXISTING R/W

50 83

+75

808

3

810

812

814

816

818

820

4 x

MATCH LINE STA 806+00

+14

EXISTING R/W

MATCH LINE STA 821+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 32	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021207-ec

PLOT DATE : 10/31/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 821+00

822

824

826

828

830

832

834

EXISTING R/W

EXISTING R/W

EXISTING R/W

50 83

R/L STH 50

MATCH LINE STA 836+00

N

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

2

MATCH LINE STA 836+00

835

838

840

842

844

846

848

850

EXISTING R/W

EXISTING R/W

50 83

R/L STH 50

MATCH LINE STA 851+00

N

304TH AVE

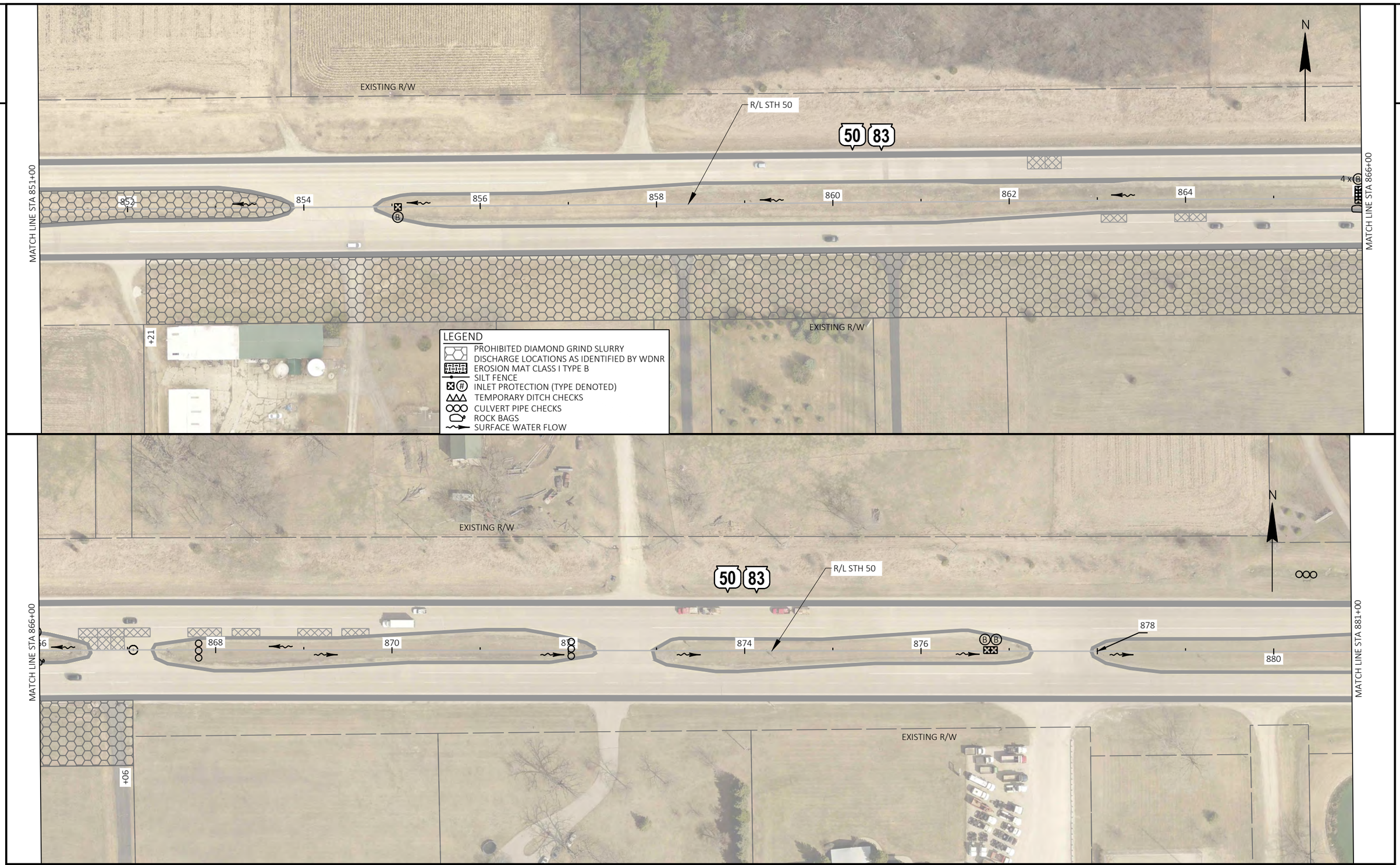
76TH ST

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 33	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021208-ec

PLOT DATE : 10/31/2020 3:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 34	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021209-ec

PLOT DATE : 10/31/2020 3:30 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 881+00

EXISTING R/W

R/L STH 50

50 83

882 884 886 888 890 892 894

4 x B

288TH AVE

B

EXISTING R/W

N

MATCH LINE STA 896+00

EXISTING R/W

EXISTING R/W

288TH AVE

B

EXISTING R/W

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

MATCH LINE STA 896+00

EXISTING R/W

R/L STH 50

50 83

898 900 902 904 906 908 910

N

MATCH LINE STA 911+00

EXISTING R/W

2

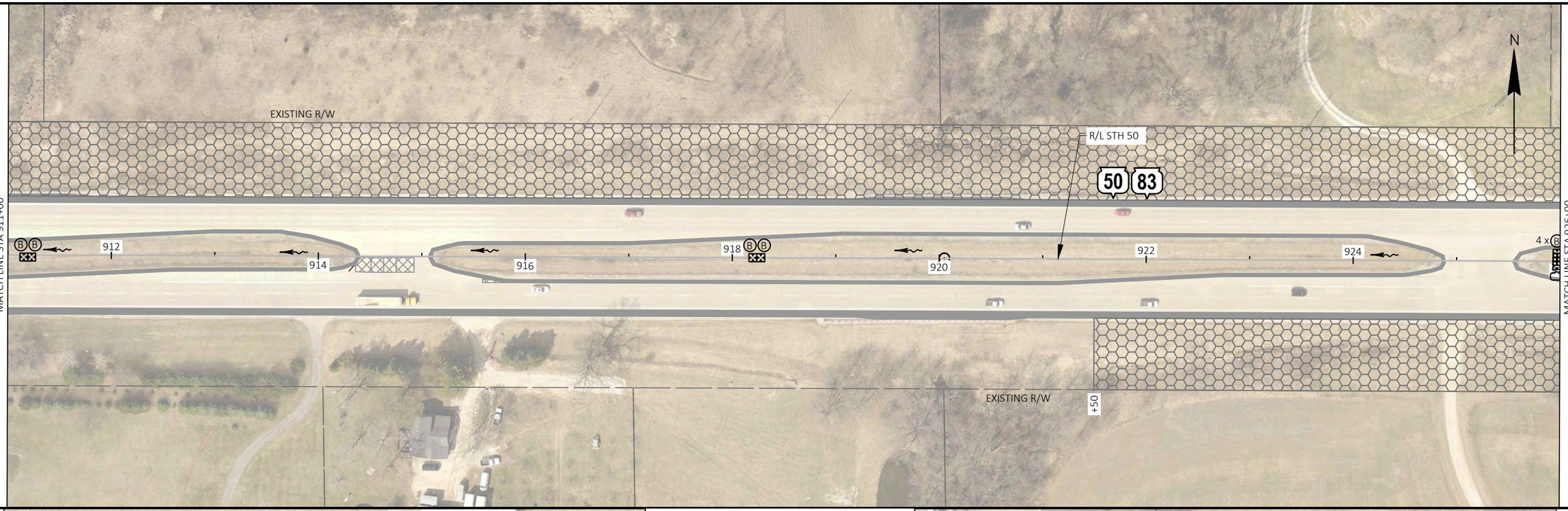
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 35	E

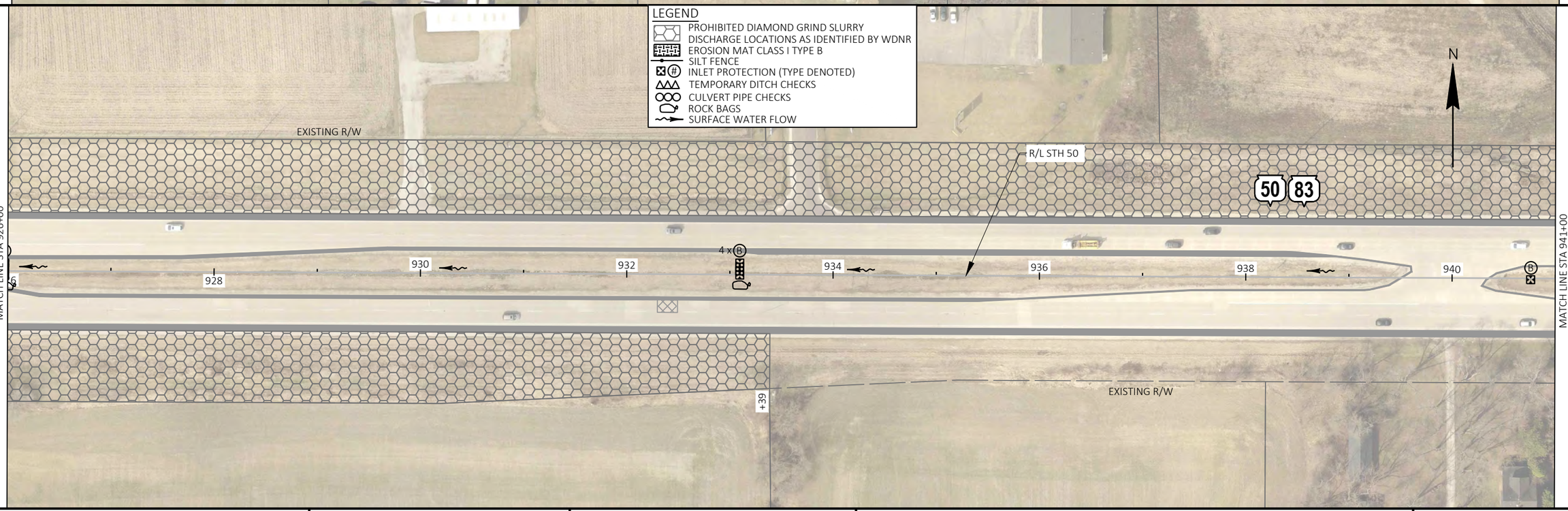
FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021210-ec

PLOT DATE : 10/31/2020 3:30 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2





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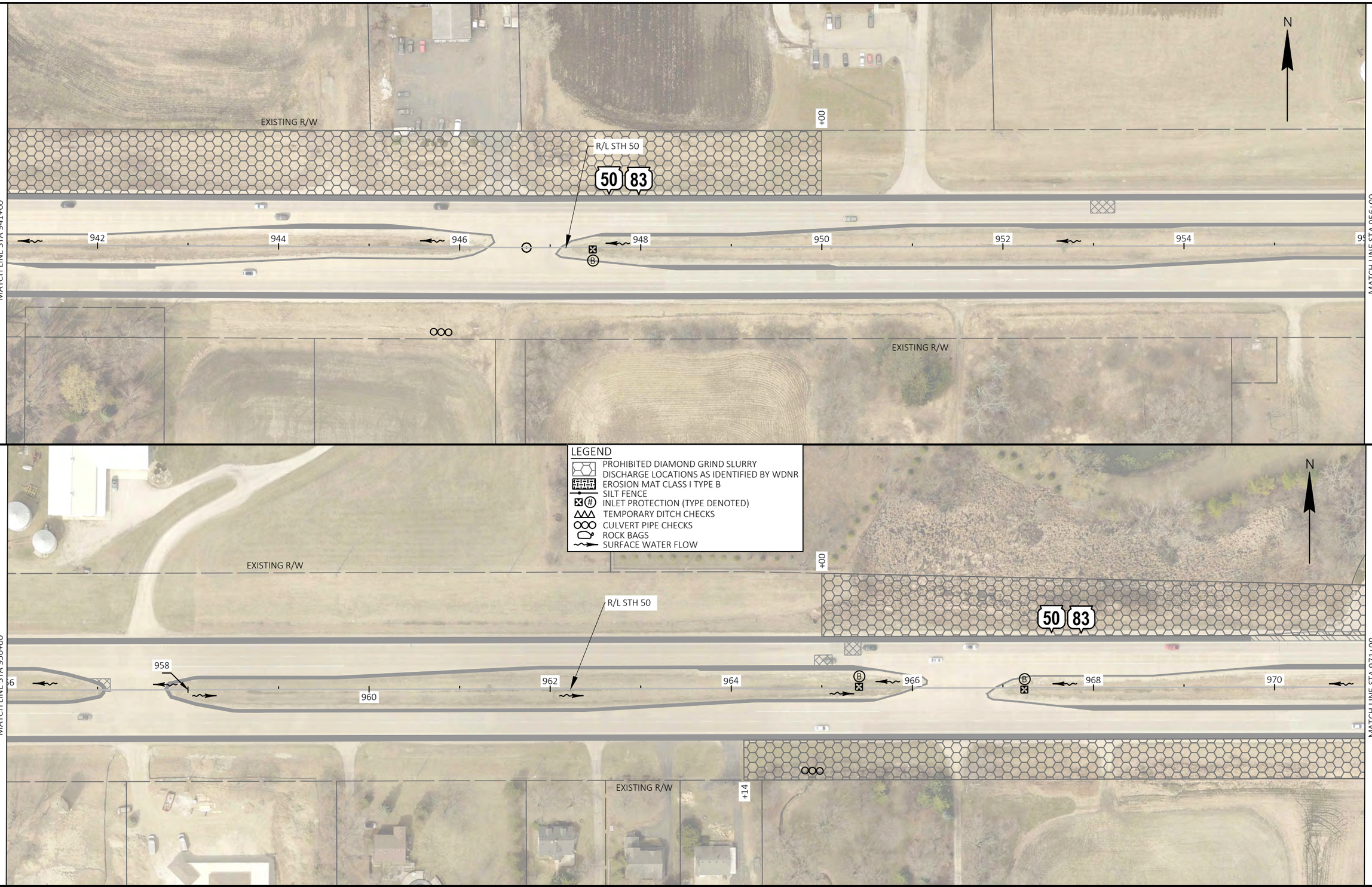
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 36	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021211-ec
PLOT DATE : 10/31/2020 3:30 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44

2



2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 37	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021212-ec

PLOT DATE : 10/31/2020 3:30 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

265TH AVE

EXISTING R/W

R/L STH 50

MATCH LINE STA 971+00

4 x B

972 974 976 978 980 982 984

+33

EXISTING R/W

EXISTING R/W

261ST AVE

MATCH LINE STA 986+00

50 83

N

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

2

N

EXISTING R/W

MATCH LINE STA 986+00

988 +17 990 992 994 996 998 1000

R/L STH 50

50 83

EXISTING R/W

EXISTING R/W

SILVER LAKE RD

BEGIN EXCEPTION TO NET CENTERLINE
STA 994+20.64

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 38	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 021213-ec

PLOT DATE : 10/31/2020 3:30 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

END EXCEPTION TO NET CENTERLINE
STA 1068+21.42

EXISTING R/W

50

R/L STH 50

75TH ST

1066 1068 1070 1072 1074 1076 1078 1080

+50

EXISTING R/W

+50

N

2

MATCH LINE STA 1080+50

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

MATCH LINE STA 1080+50

EXISTING R/W

50

75TH ST

R/L STH 50

1082 1084 1086 1088 1090 1092 1094

+00

+00

EXISTING R/W

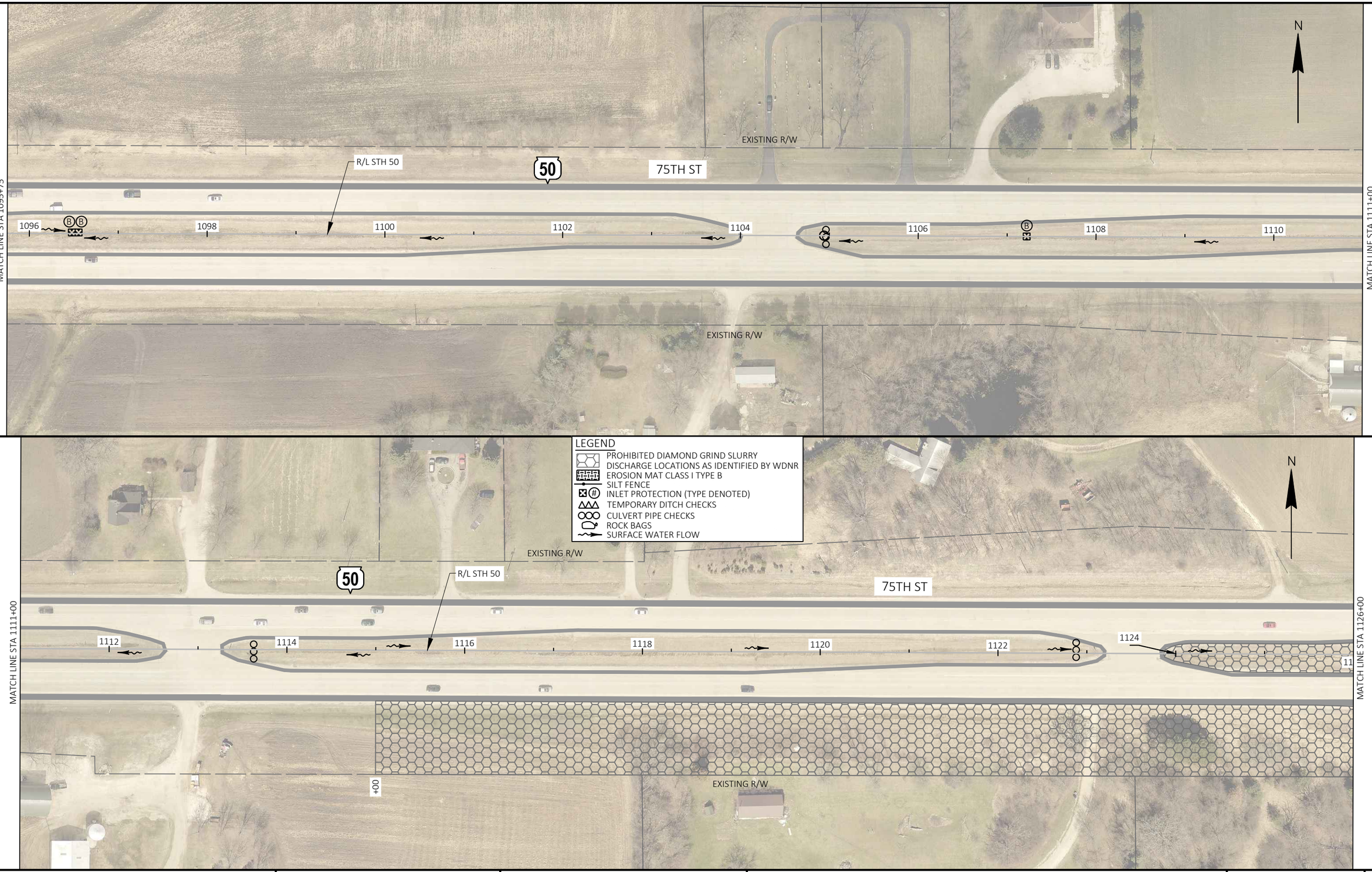
N

MATCH LINE STA 1095+75

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 39	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021214-ec
PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44

2



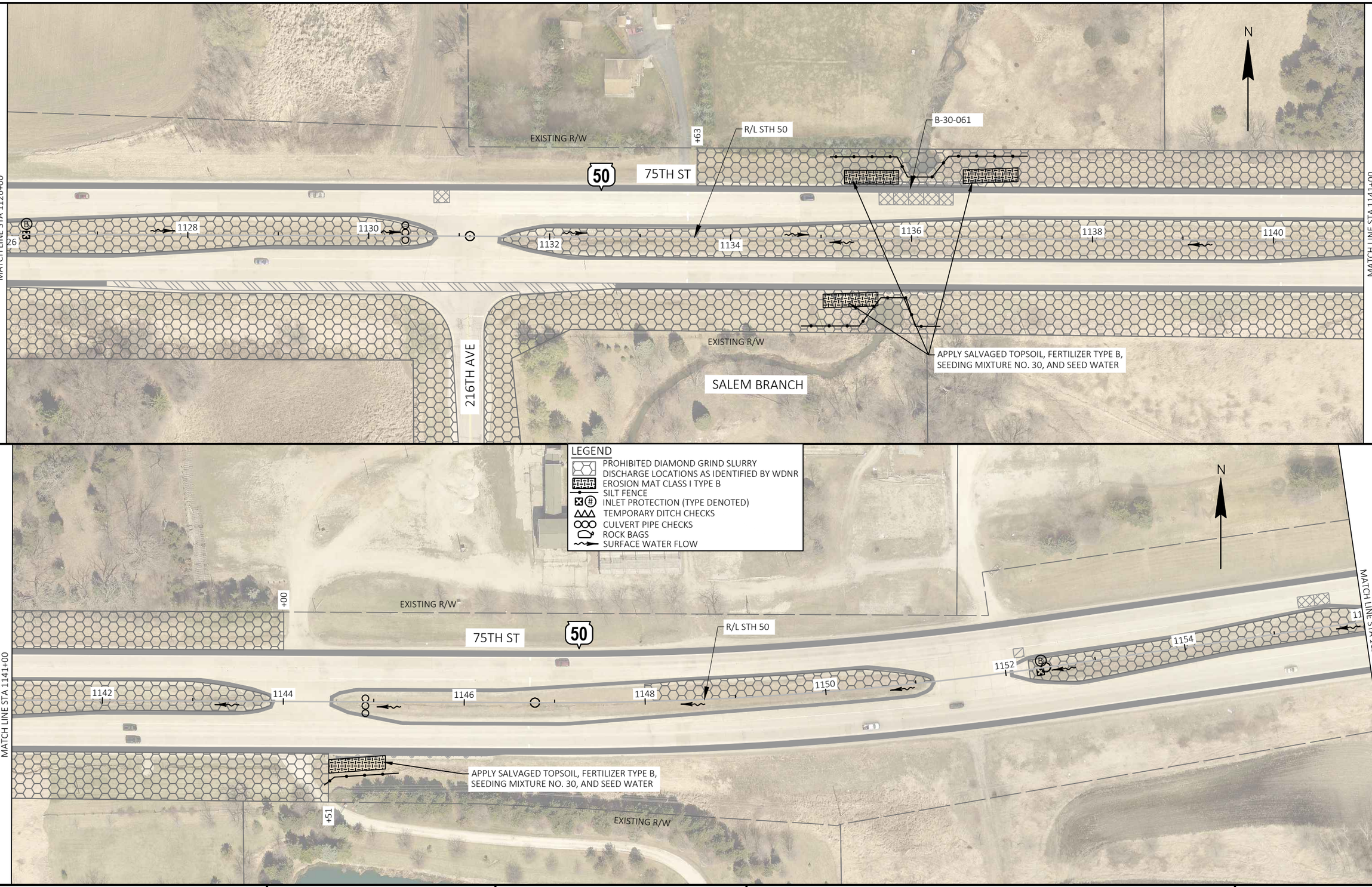
2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 40	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021215-ec

PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

2



2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 41	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021216-ec
PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1156+00

MATCH LINE STA 1171+00

EXISTING R/W

75TH ST

50

R/L STH 50

N

+00

1158 1160 1162 1164 1166 1168 1170

EXISTING R/W

+00

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

+16

EXISTING R/W

50

R/L STH 50

+00

N

75TH ST

MATCH LINE STA 1171+00

MATCH LINE STA 1186+00

1172 1174 1176 1178 1180 1182 1184

EXISTING R/W

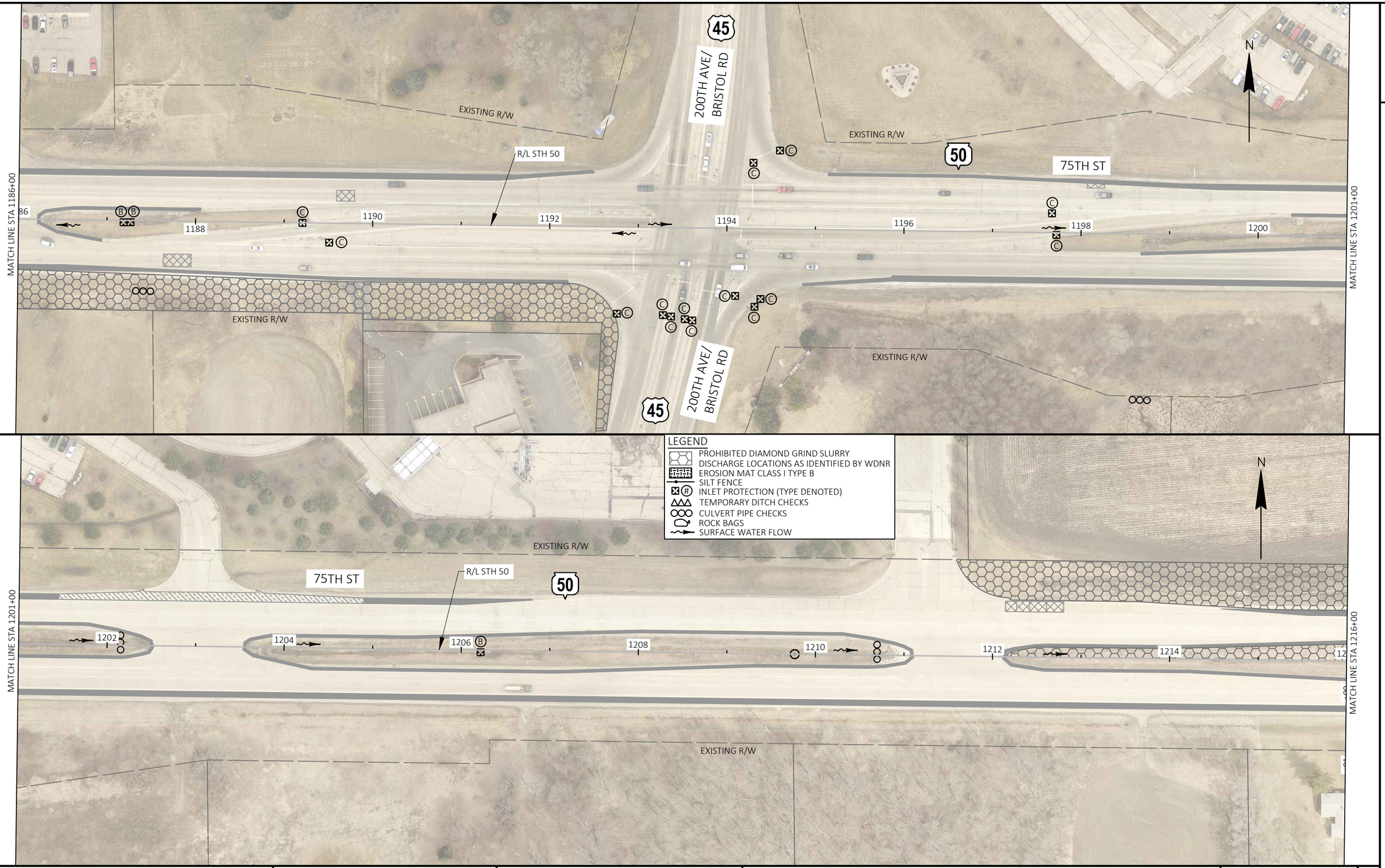
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 42	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021217-ec

PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

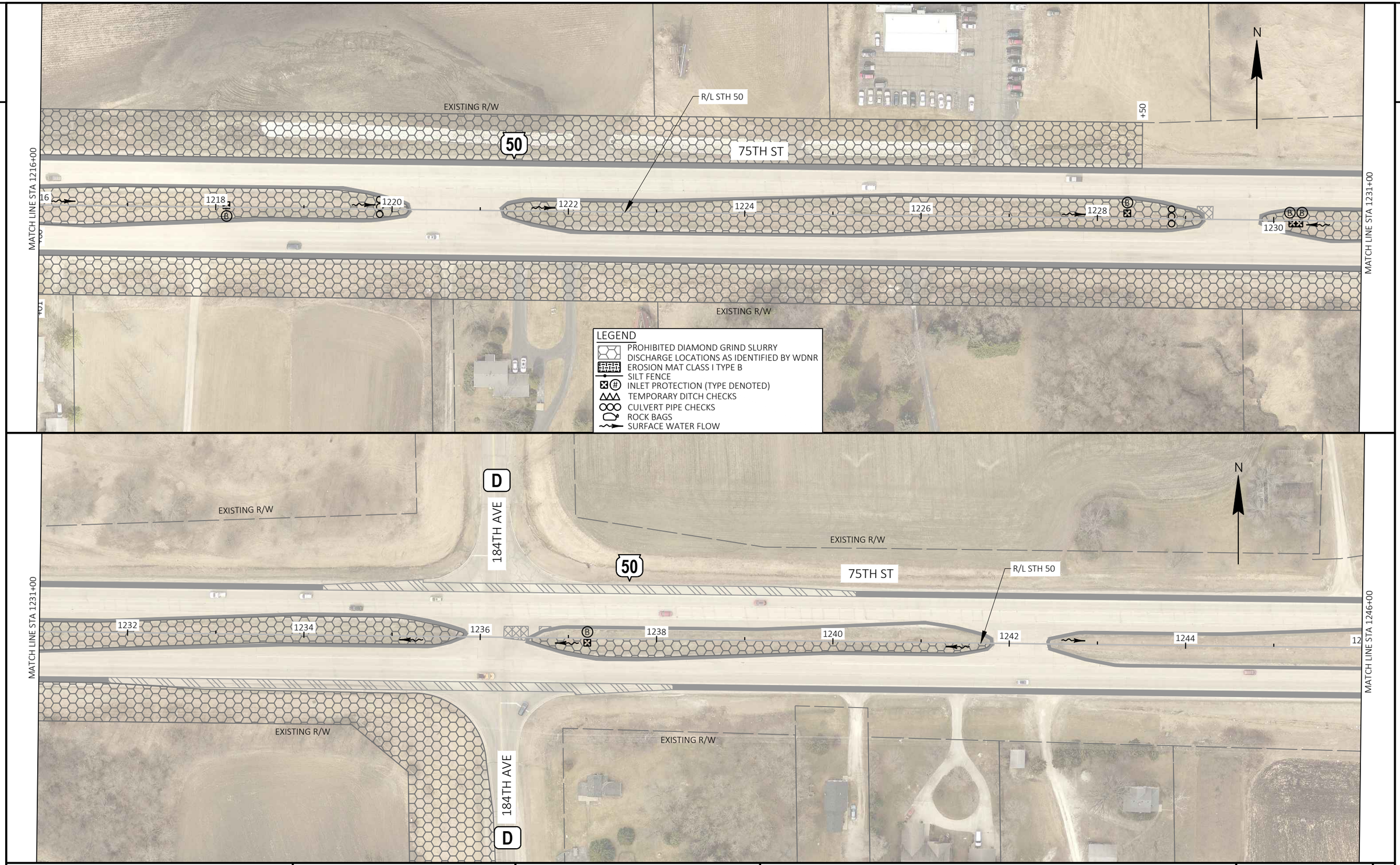
WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 43	E

2



2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 44	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021219-ec

PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

2

EXISTING R/W

+00

75TH ST

50

R/L STH 50

N

MATCH LINE STA 1246+00

1246

1248

1250

1252

1254

1256

1258

1260

MATCH LINE STA 1261+00

EXISTING R/W

+00

LEGEND

- PROHIBITED DIAMOND GRIND SLURRY
- DISCHARGE LOCATIONS AS IDENTIFIED BY WDNR
- EROSION MAT CLASS I TYPE B
- SILT FENCE
- INLET PROTECTION (TYPE DENOTED)
- TEMPORARY DITCH CHECKS
- CULVERT PIPE CHECKS
- ROCK BAGS
- SURFACE WATER FLOW

N

APPLY SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND SEED WATER

APPLY SALVAGED TOPSOIL, FERTILIZER TYPE B, SEEDING MIXTURE NO. 30, AND SEED WATER

B-30-055

R/L STH 50

EXISTING R/W

50

75TH ST

MATCH LINE STA 1261+00

1262

1264

1266

1268

1270

1272

1274

MATCH LINE STA 1276+00

DES PLAINES RIVER

B-30-054

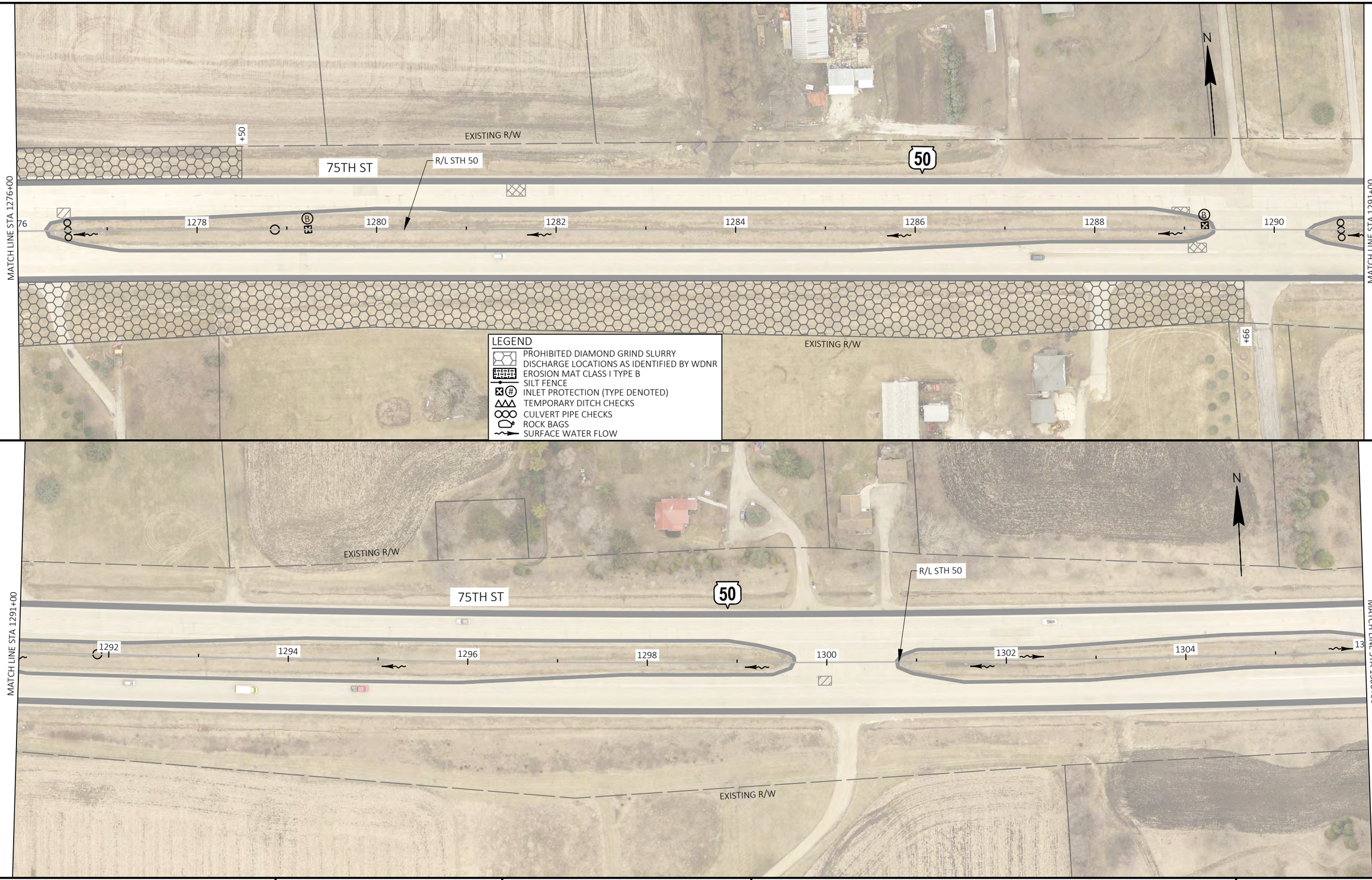
EXISTING R/W

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 45	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021220-ec

PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

2

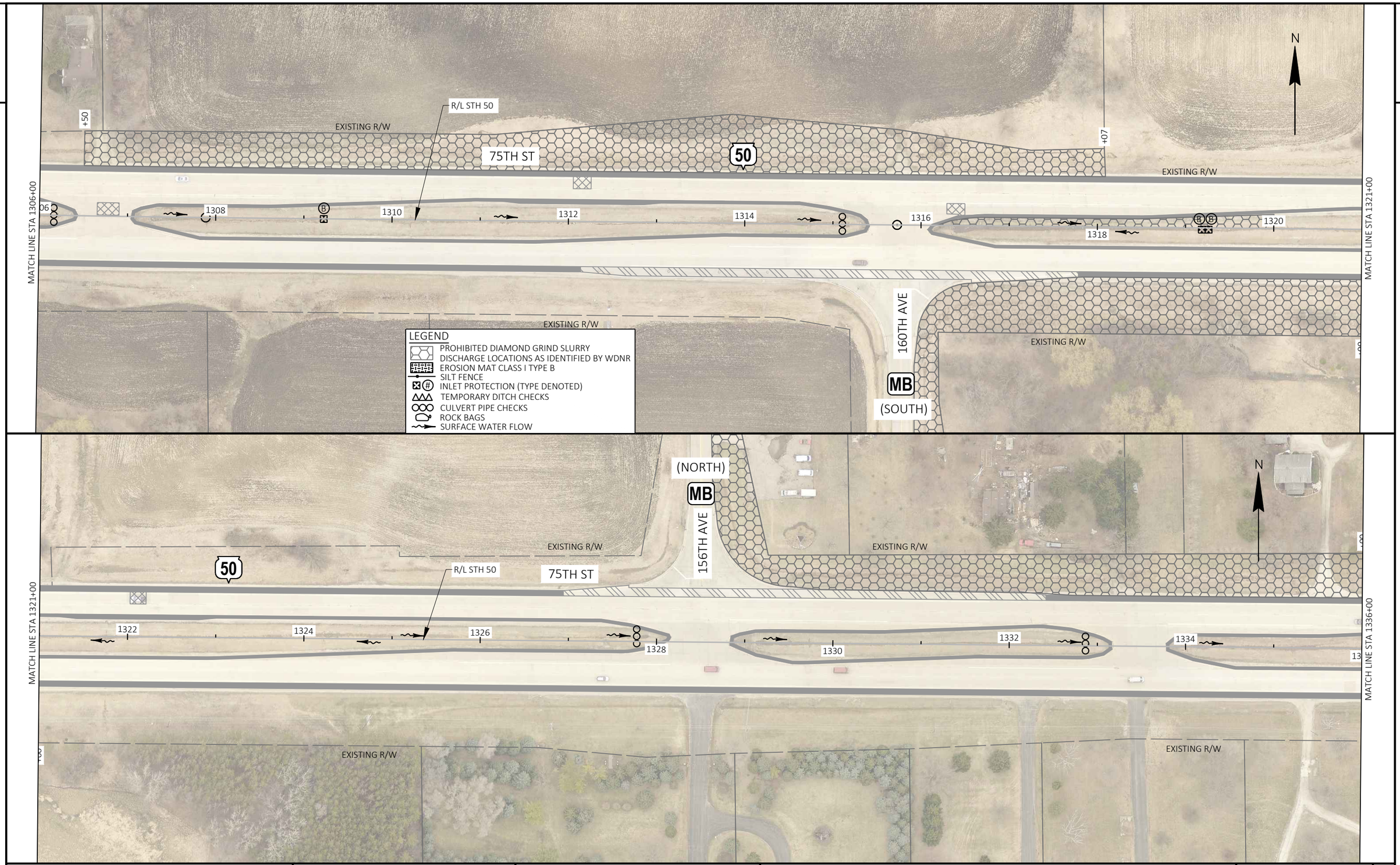


2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 46	E

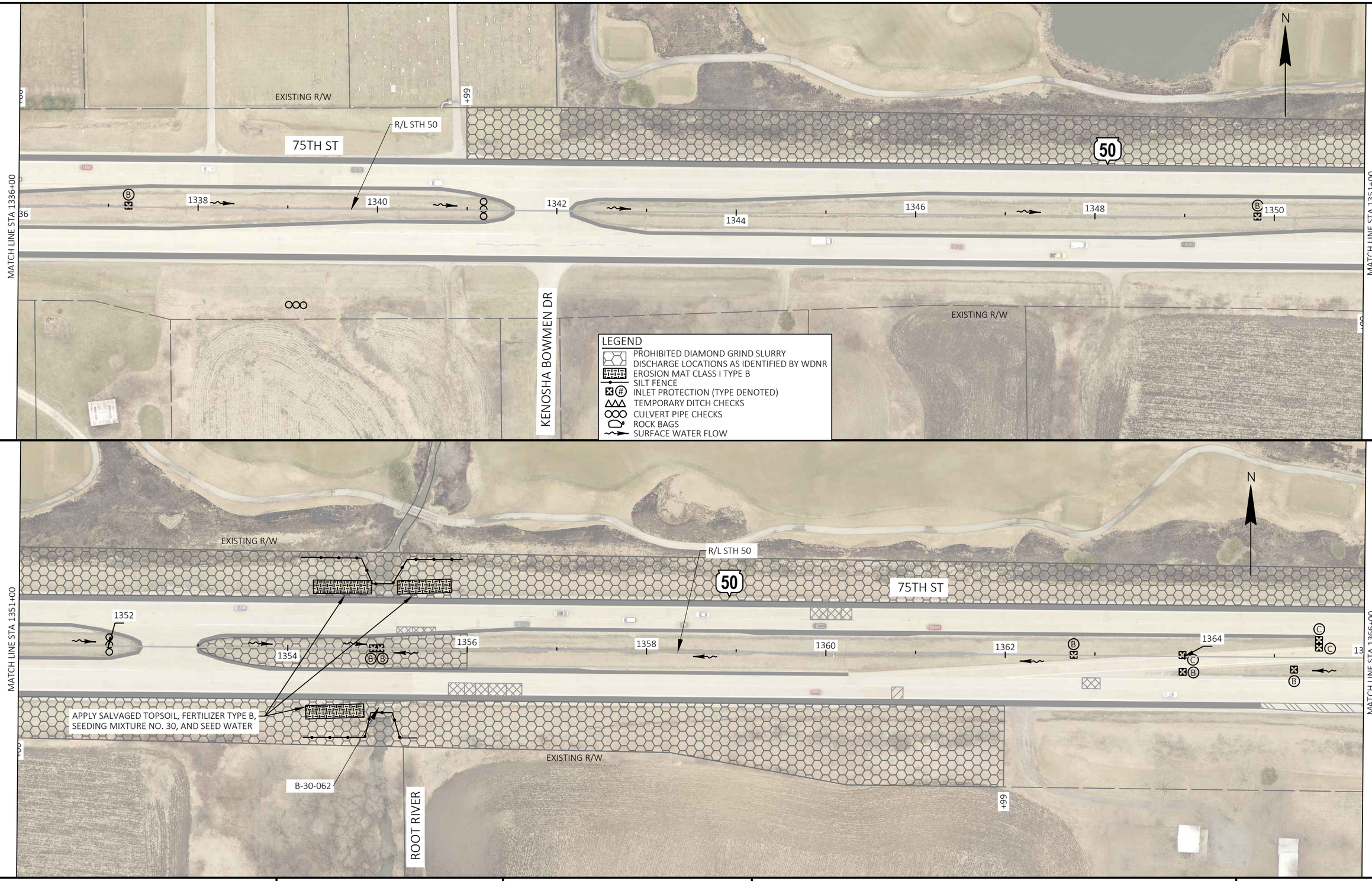
FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021221-ec
PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 47	E

2



2

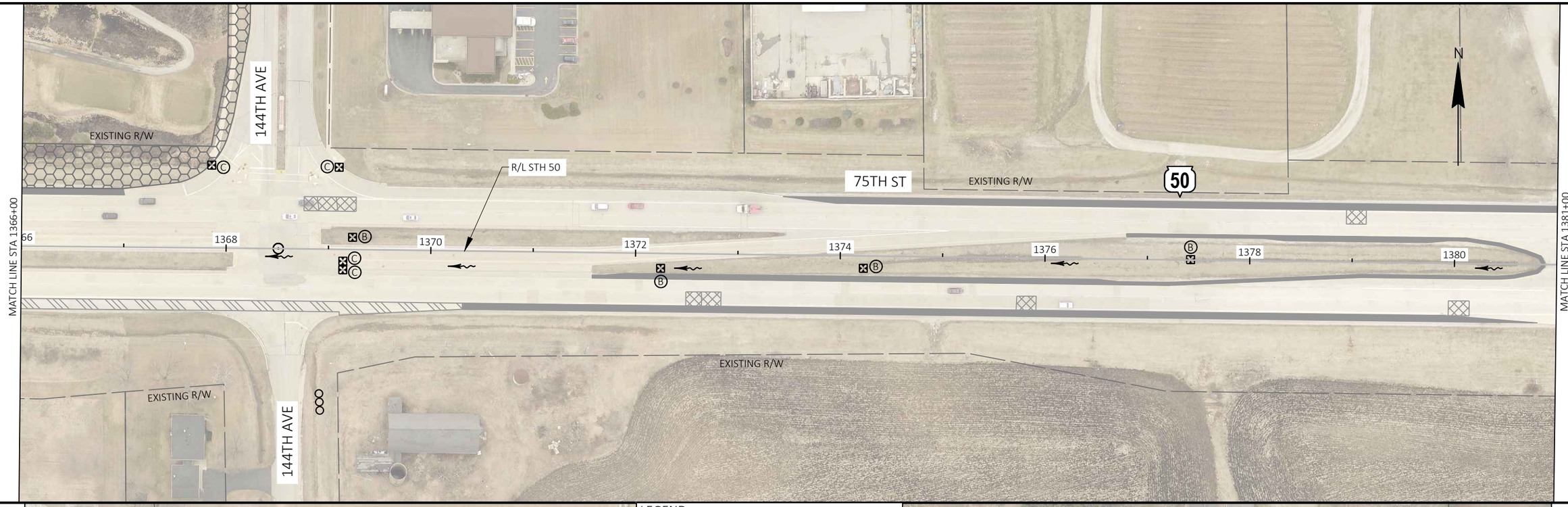
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 48	E

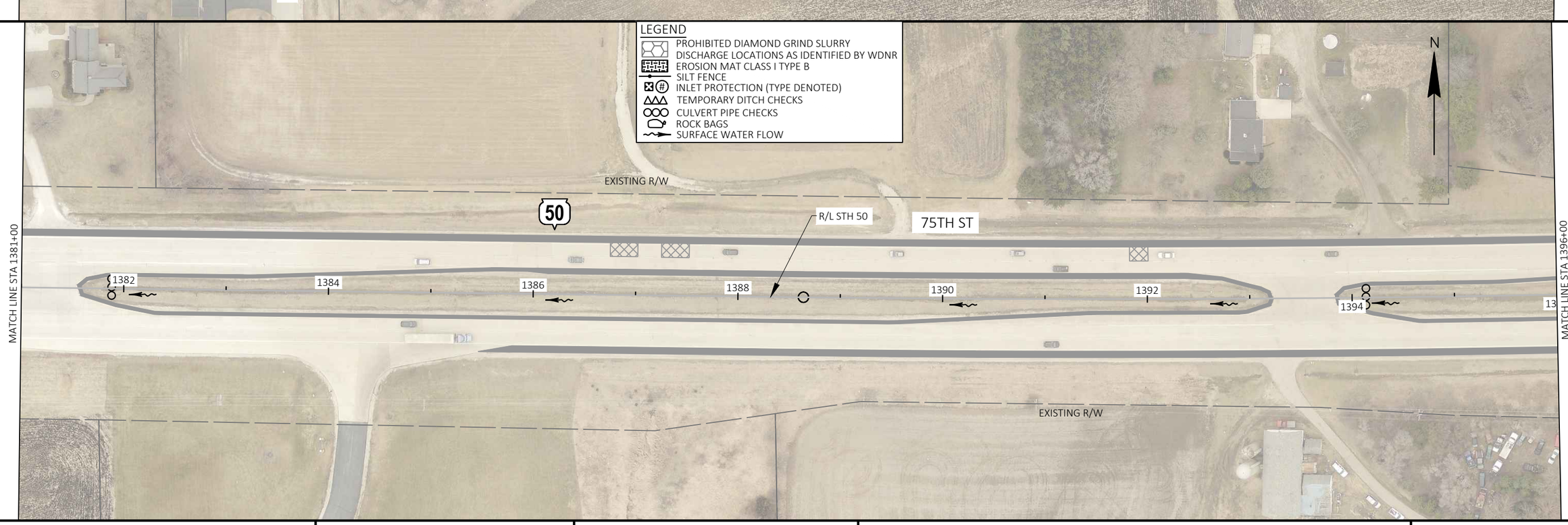
FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021223-ec

PLOT DATE : 10/31/2020 12:55 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

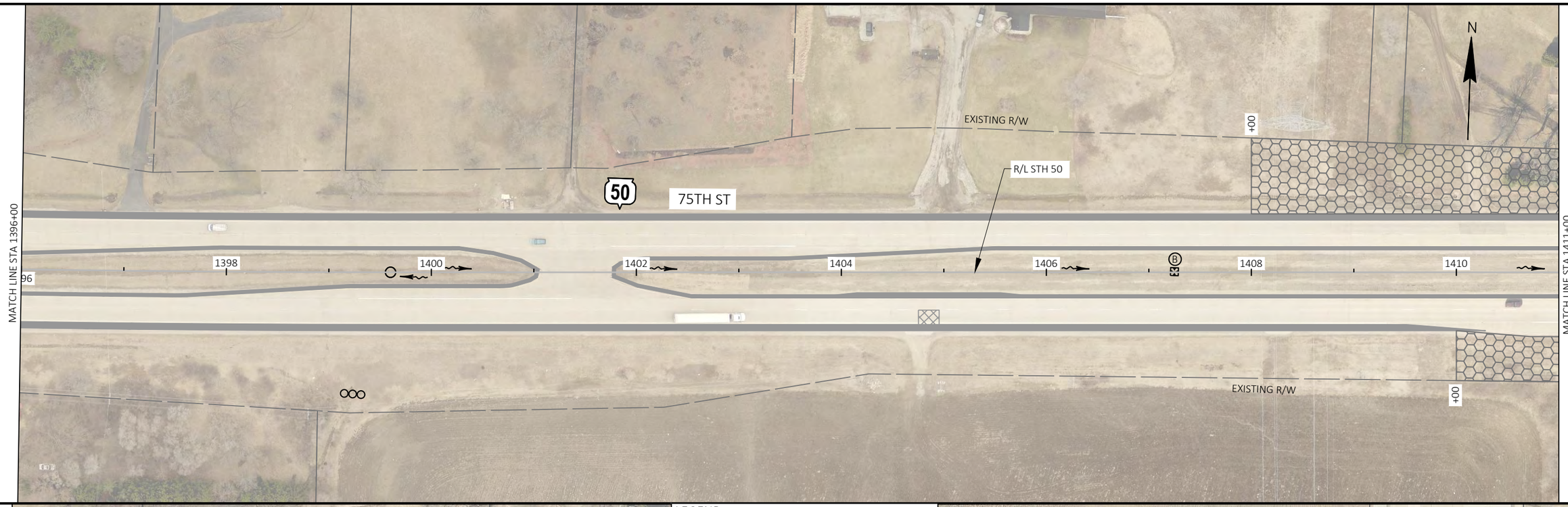


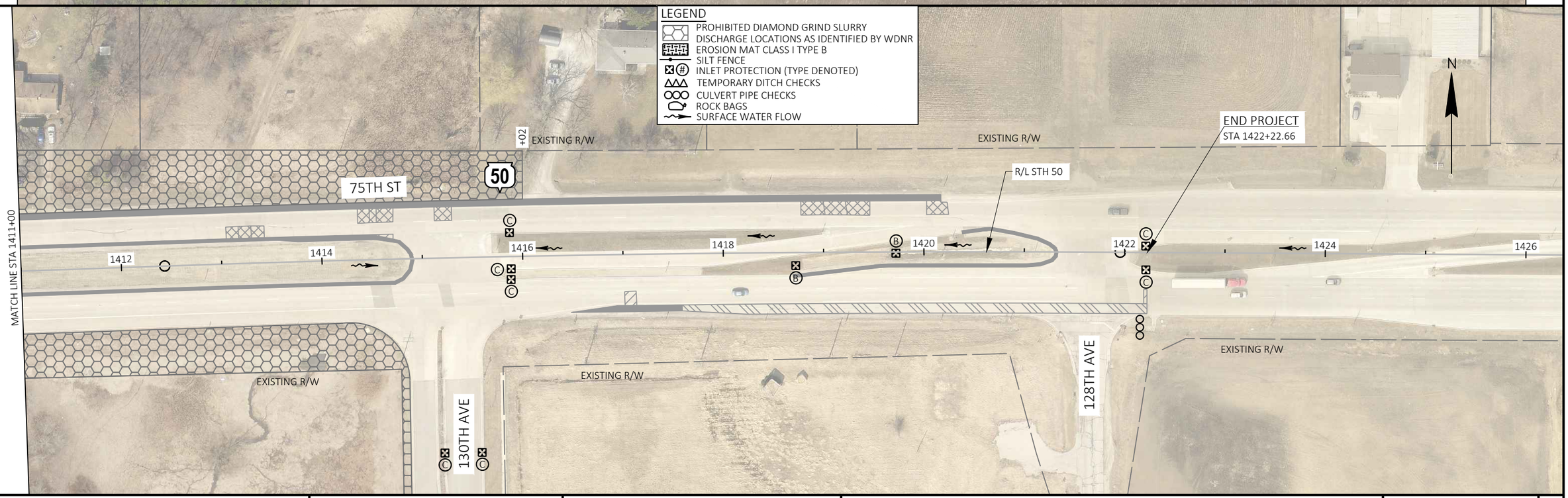


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 49	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021224-ec
PLOT DATE : 10/31/2020 12:55 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1:100_XREF
WISDOT/CADDS SHEET 44

2





PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET 50	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\022002-EC.DWG
LAYOUT NAME - 021225-ec
PLOT DATE : 10/31/2020 12:56 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

CTH KD

1 ONE WAY R6-1R (2S)

2 STOP R1-1 MOVE

50 J13-1 ESTR

3 DIVIDED HIGHWAY R6-3 MOVE

4 ONE WAY REMOVE

5 ONE WAY R6-1L (2S) INSTALL BEHIND R6-1R

660 662 664 666 668 670 672 674

STH 50

10 ONE WAY REMOVE

6 ONE WAY R6-1L (2S) INSTALL BEHIND R6-1R

50 J13-1 ESTR

7 ONE WAY R6-1R (2S)

8 STOP R1-1 MOVE

9 DIVIDED HIGHWAY R6-3 MOVE

CTH KD

TYPE II ALUMINUM SIGNS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE COUNTY SIGN SHOP. CONTACT THE FOLLOWING INDIVIDUAL AT THE SIGN SHOP FOR DISTRIBUTION COUNTY LOCATION.

SIGNING COORDINATOR COUNTY(S) PHONE#

- DENNIS NEWTON MILWAUKEE 414-750-0257
- DENNIS NEWTON RACINE 414-750-0257
- JENNY BUCKETT KENOSHA, WASHINGTON, OZAUKEE 414-750-2427
- CHUCK SALDIVAR WALWORTH, WAUKESHA 414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (414-266-1165) SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF THE SIGNS.

WHEN AN EXISTING STOP SIGN SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED, THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POST SIZES, FOR TYPE II SIGNS ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

STREET NAME SIGNS ARE PROPERTY OF THE MUNICIPALITY (CITY, VILLAGE OR TOWN). THE MUNICIPALITY SHALL BE CONTACTED TO REMOVE THEIR STREET NAME SIGNS PRIOR TO CONSTRUCTION AND IT IS THEIR RESPONSIBILITY TO REINSTALL THE OLD SIGNS OR REPLACE THEM FOLLOWING CONSTRUCTION. WISDOT DOES NOT FURNISH OR INSTALL STREET NAME SIGNS. THE STREET NAME SIGNS SHALL NOT BE PLACED ON TOP OF THE STOP SIGNS.

LOCATE NO PASSING PENNANTS BASED ON ESTABLISHING NO PASSING ZONES PAY ITEM. PLACE SIGNS BASED ON WHERE THE PAVEMENT MARKING FOR NO PASSING ZONES BEGIN.

SHEET 1 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 51	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023201_18_PS.DWG
LAYOUT NAME - 023206_PS

PLOT DATE : 10/30/2020 3:33 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

STH 50

STH 83

ONE WAY

716

718

720

W12-1D ESTR

R1-2 ESTR

R6-2L ESTR

DO NOT ENTER R5-1 ESTR

REMOVE

DO NOT ENTER R5-1(3) MOUNT ON SIGNAL POLE 15

40'

30'

STOP REMOVE

STOP 11 12 R1-1F(3) MOUNT ON SIGNAL POLE

STOP REMOVE

STOP 13 14 R1-1F(3) MOUNT ON SIGNAL POLE

DO NOT ENTER R5-1 ESTR

83 Geneva RD 16 M1-9 4S ON MAST ARM

17 R4-7(3) MOUNT ON SIGNAL POLE

REMOVE

REMOVE

18 R4-7(3) MOUNT ON SIGNAL POLE

ONE WAY 19 R6-2L(2S)

ONE WAY REMOVE

NORTH 83 J3-1 ESTR

SOUTH 83 J3-1 ESTR

STOP 23 24 R1-1F (3) MOUNT ON SIGNAL POLE

STOP REMOVE

83 Geneva RD 20 M1-9 4S ON MAST ARM

GENEVA RD

STOP 21 22 R1-1F(3) MOUNT ON SIGNAL POLE

STOP REMOVE

SHEET 2 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 52	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023201_18_PS.DWG
LAYOUT NAME - 023212_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET

N

750 752 754 756 758 760 762 764

STH 50

CTH W

SHEET 2A OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 53	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023201_18_PS.DWG
LAYOUT NAME - 023215_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET

N

CTH W

764 766 768 770 772 774 776 778

STH 50

2

SHEET 2B OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 54	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023201_18_PS.DWG
LAYOUT NAME - 023216_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

25 ONE WAY R6-2R (2S)

26 ONE WAY R6-2L (2S)

STH 50

820 822 824 826 828 830 832 834

SHEET 3 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 55	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023220_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

NO SIGNS ON THIS SHEET

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

836
838
840
842
844
846
848
850
STH 50
304TH ST

SHEET 4 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 56	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023221_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET

N

850 852 854 856 858 860 862 864

STH 50

SHEET 5 OF 17

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 57	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023222_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

27 ONE WAY
R6-2L (2S)

866 868 870 872 874 876 878

STH 50

SHEET 6 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 58	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023223_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET

N

CTH B

STH 50

880 882 884 886 888 890 892 894

STH 50

CTH B

SHEET 7 OF 17

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 59	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023224_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

28 ONE WAY
R6-2L (2S)

896 898 900 902 904 906 908 910

STH 50

SHEET 8 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 60	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023226_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

29 ONE WAY R6-2R (2S)

STH 50

926 928 930 932 934 936 938

SHEET 9 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 61	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023228_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

31 ONE WAY R6-2R (2S)

STH 50

940 942 944 946 948 950 952 954

30 ONE WAY R6-2L (2S)

SHEET 10 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 62	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023229_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

32
33
ONE WAY
R6-2L (2S)

STH 50

954 956 958 960 962 964 966 968

SHEET 11 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 63	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023230_PS

PLOT DATE : 10/30/2020 3:34 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

36 ONE WAY R6-2L (2S)

STH 50

968 970 972 974 976 978 980 982

34 ONE WAY R6-2R (2S)

35 ONE WAY R6-2R (2S)

261ST AVE

SHEET 12 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 64	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023231_PS

PLOT DATE : 10/30/2020 3:35 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

982 984 986 988 990 992 994 996

STH 50

261ST AVE

37 ONE WAY R6-2R (2S)

SHEET 13 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 65	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023220_18_PS.DWG
LAYOUT NAME - 023232_PS

PLOT DATE : 10/30/2020 3:35 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

STH 50

1356 1358 1360 1362 1364 1366 1368 1370

144TH AVE

38 ONE WAY R6-1R (2S)

39 STOP R1-1 MOVE

40 DIVIDED HIGHWAY R6-3 MOVE

41 ONE WAY REMOVE

42 ONE WAY R6-1L (2S) INSTALL BEHIND R6-1R

43 ONE WAY REMOVE

44 ONE WAY R6-1R (2S)

45 STOP R1-1 MOVE

46 DIVIDED HIGHWAY R6-3 MOVE

47 ONE WAY R6-1L (2S) INSTALL BEHIND R6-1R

50 J13-1 ESTR

SHEET 14 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 66	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023260_18_PS.DWG
LAYOUT NAME - 023261_PS

PLOT DATE : 10/30/2020 3:35 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

144TH AVE

STH 50

1370 1372 1374 1376 1378 1380 1382 1384

ONE WAY 48

R6-2L (2S)

SHEET 15 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 67	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023260_18_PS.DWG
LAYOUT NAME - 023262_PS

PLOT DATE : 10/30/2020 3:35 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

N

STH 50

1384 1386 1388 1390 1392 1394 1396 1398

49 ONE WAY

R6-2R (2S)

SHEET 16 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 68	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023260_18_PS.DWG
LAYOUT NAME - 023263_PS

PLOT DATE : 10/30/2020 3:35 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- ESTR — EXISTING SIGN TO REMAIN

SHEET 17 OF 17

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING PLAN	SHEET 69	E

FILE NAME : C:\CIVIL 3D PROJECTS\13101800\SIGN\023260_18_PS.DWG
LAYOUT NAME - 023264_PS

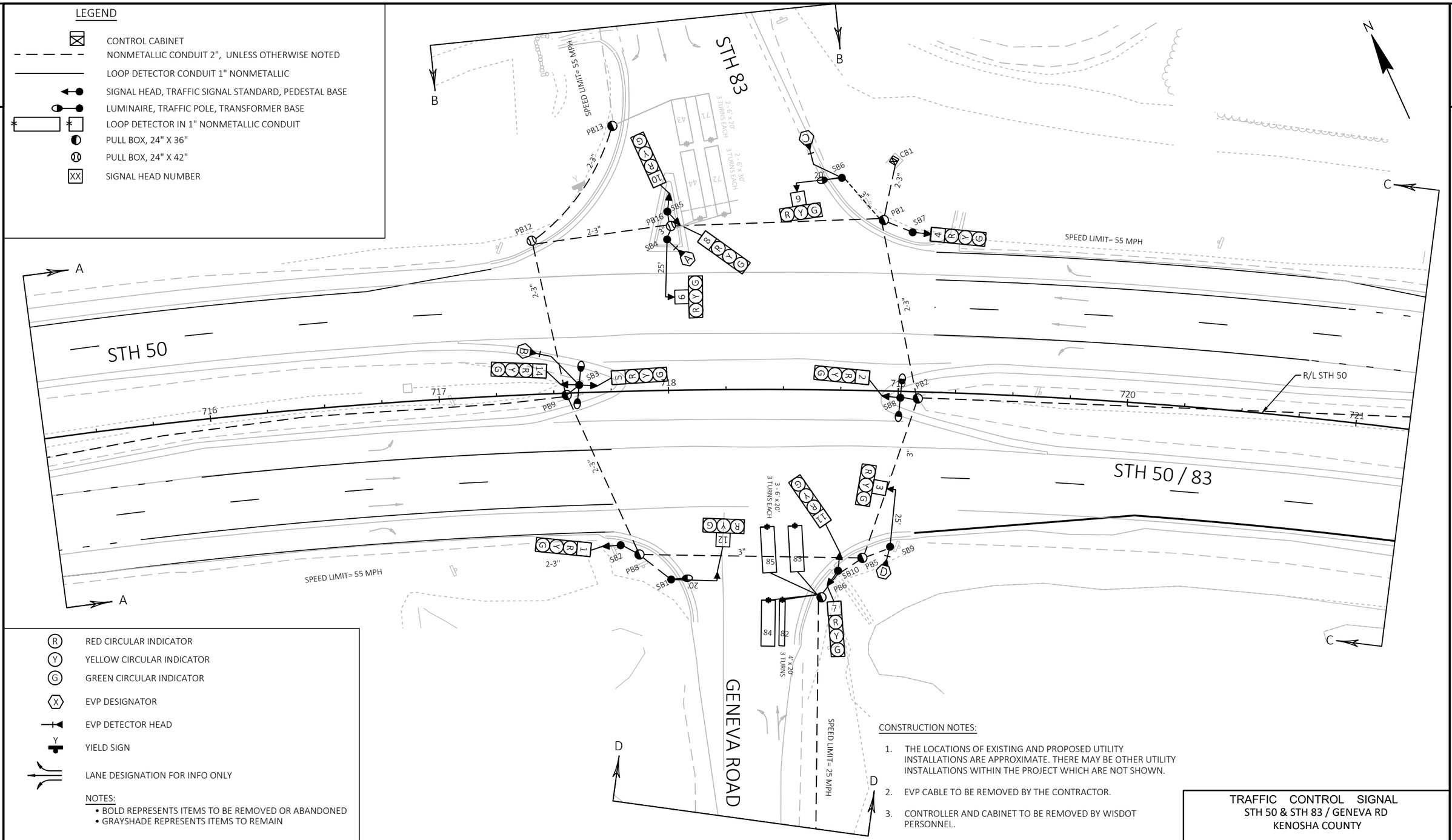
PLOT DATE : 10/30/2020 3:35 PM PLOT BY : MARTENS, KAREN L PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER



- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTES:
- BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED
- GRAYSHADE REPRESENTS ITEMS TO REMAIN

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. EVP CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CONTROLLER AND CABINET TO BE REMOVED BY WISDOT PERSONNEL.
4. EXISTING CONDUIT TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE REMAINING CONDUCTORS IN CONDUIT.

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

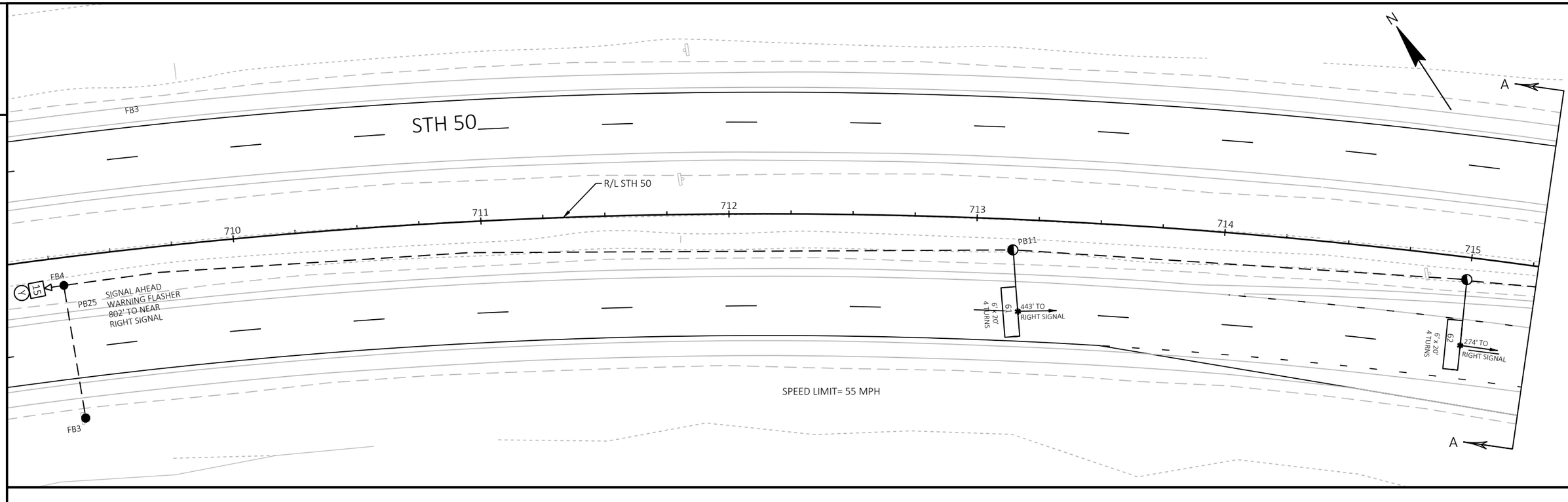
SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL REMOVAL	SHEET 70	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 0240011
PLOT DATE : 12/4/2020 11:46 AM PLOT BY : AMBILY PANKAJ PLOT NAME : PLOT SCALE : 1 IN:40 FT



TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

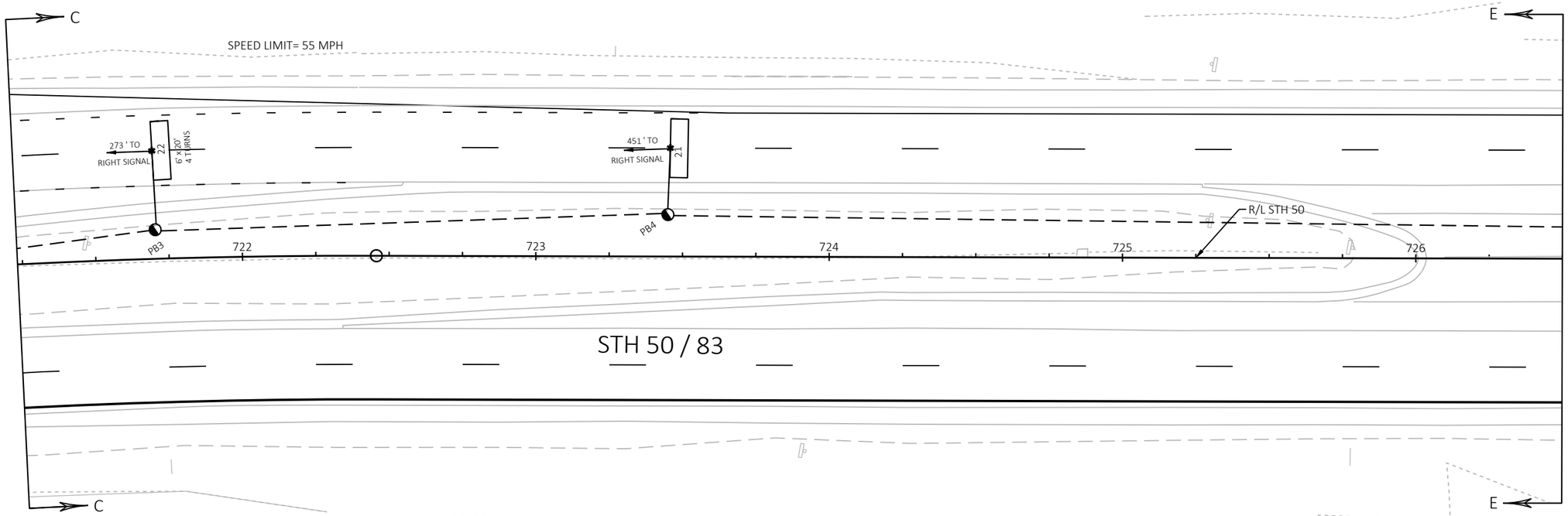
PAGE 2 OF 4

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL REMOVAL	SHEET 71	E

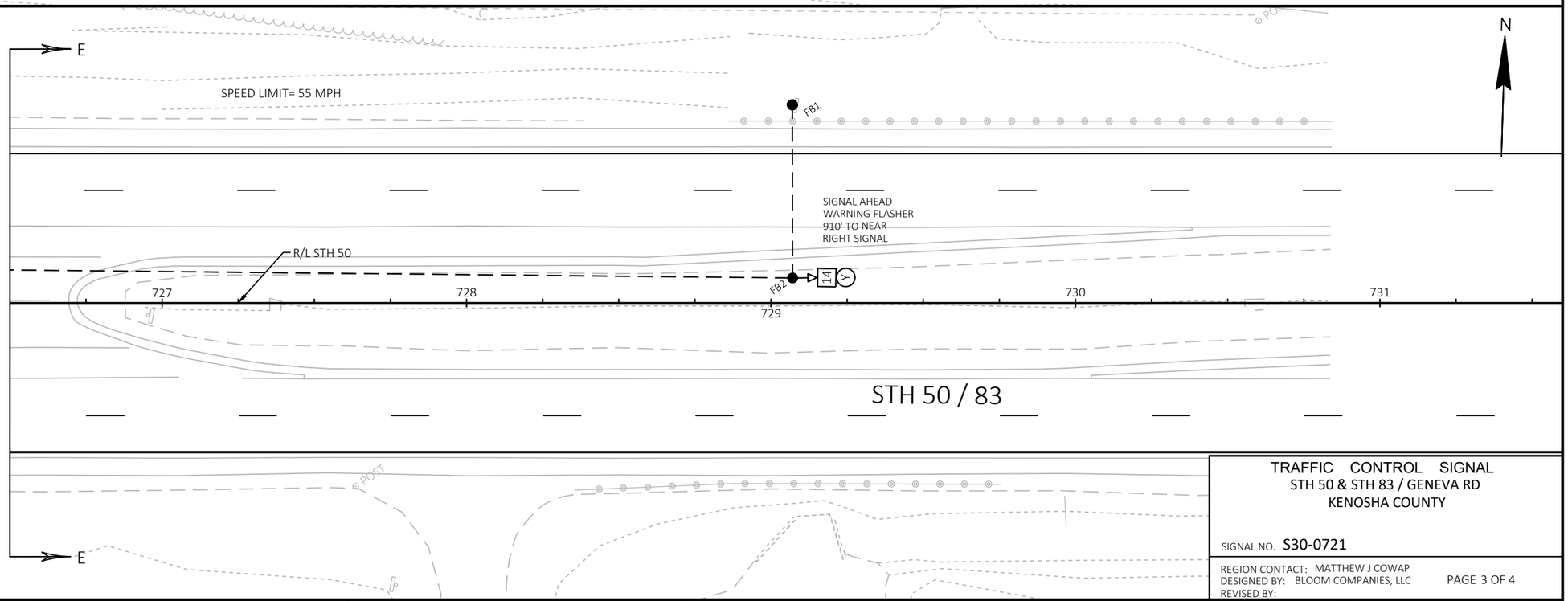
FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 0240012

PLOT DATE : 12/4/2020 11:46 AM PLOT BY : AMBILY PANKAJ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



2



TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

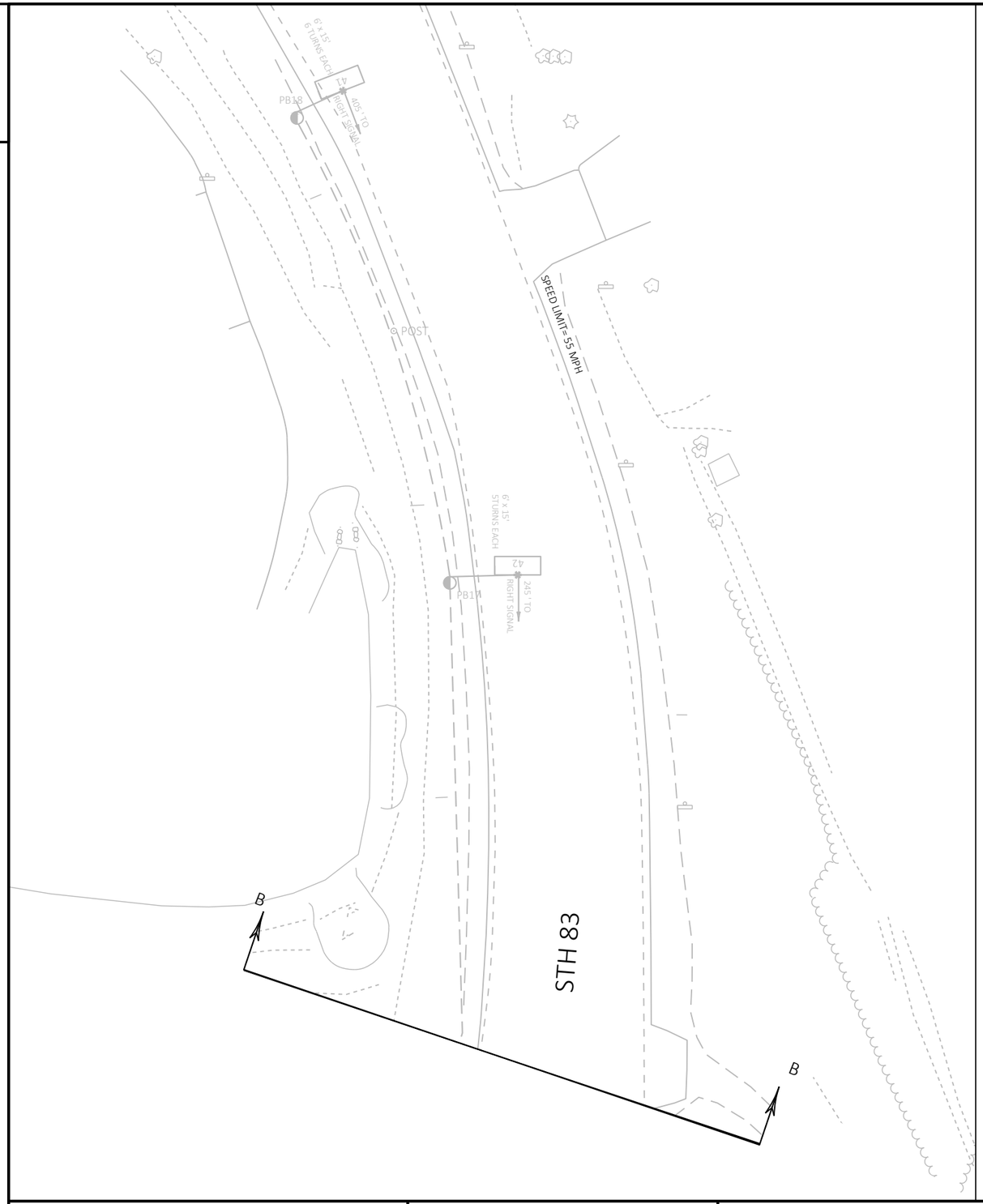
SIGNAL NO. S30-0721

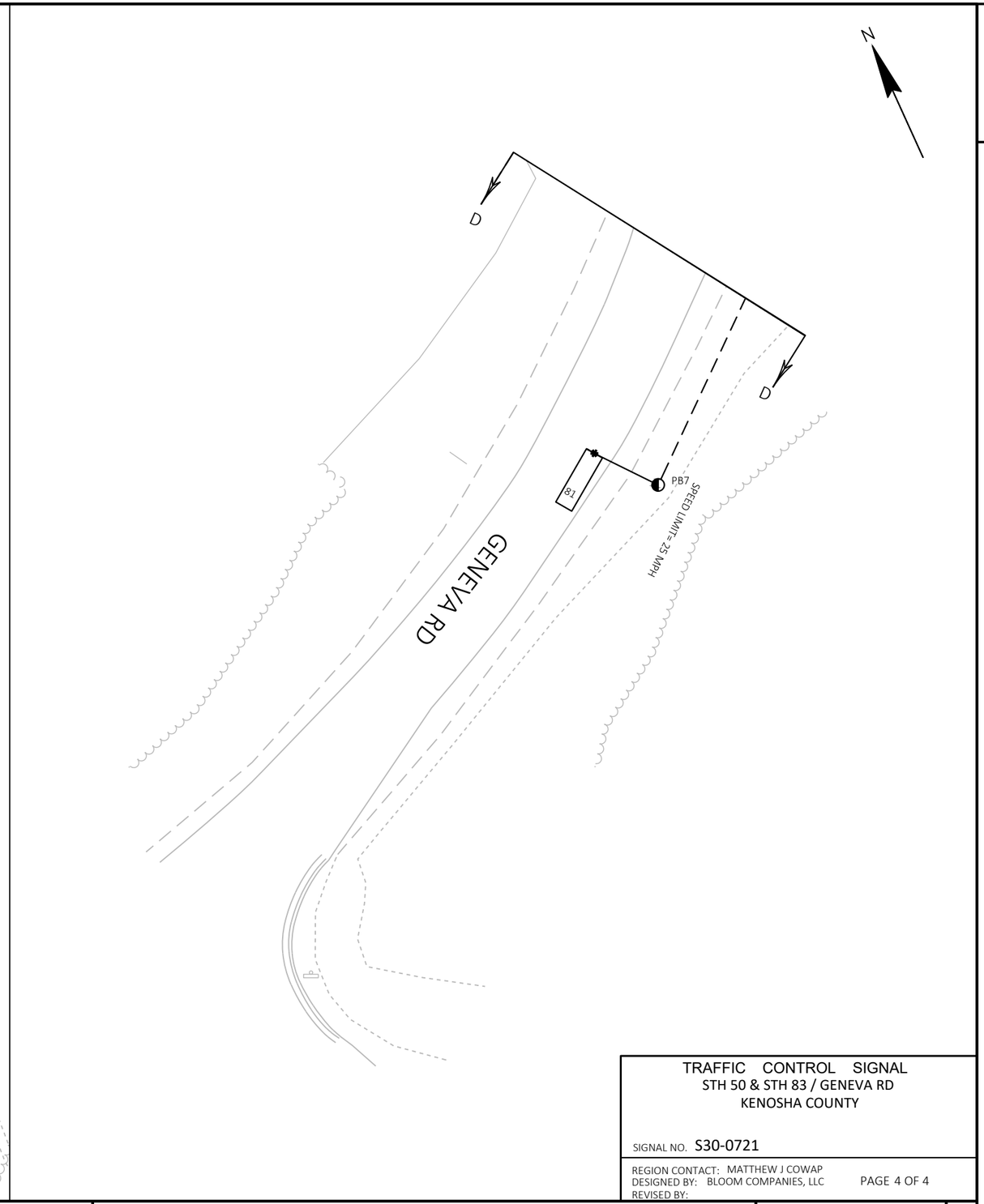
REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL REMOVAL	SHEET 72	E

2





2

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

PAGE 4 OF 4

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL REMOVAL	SHEET 73	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024001-SR.DWG
LAYOUT NAME - 0240014

PLOT DATE : 12/4/2020 1:45 PM PLOT BY : AMBILY PANKAJ PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

LEGEND

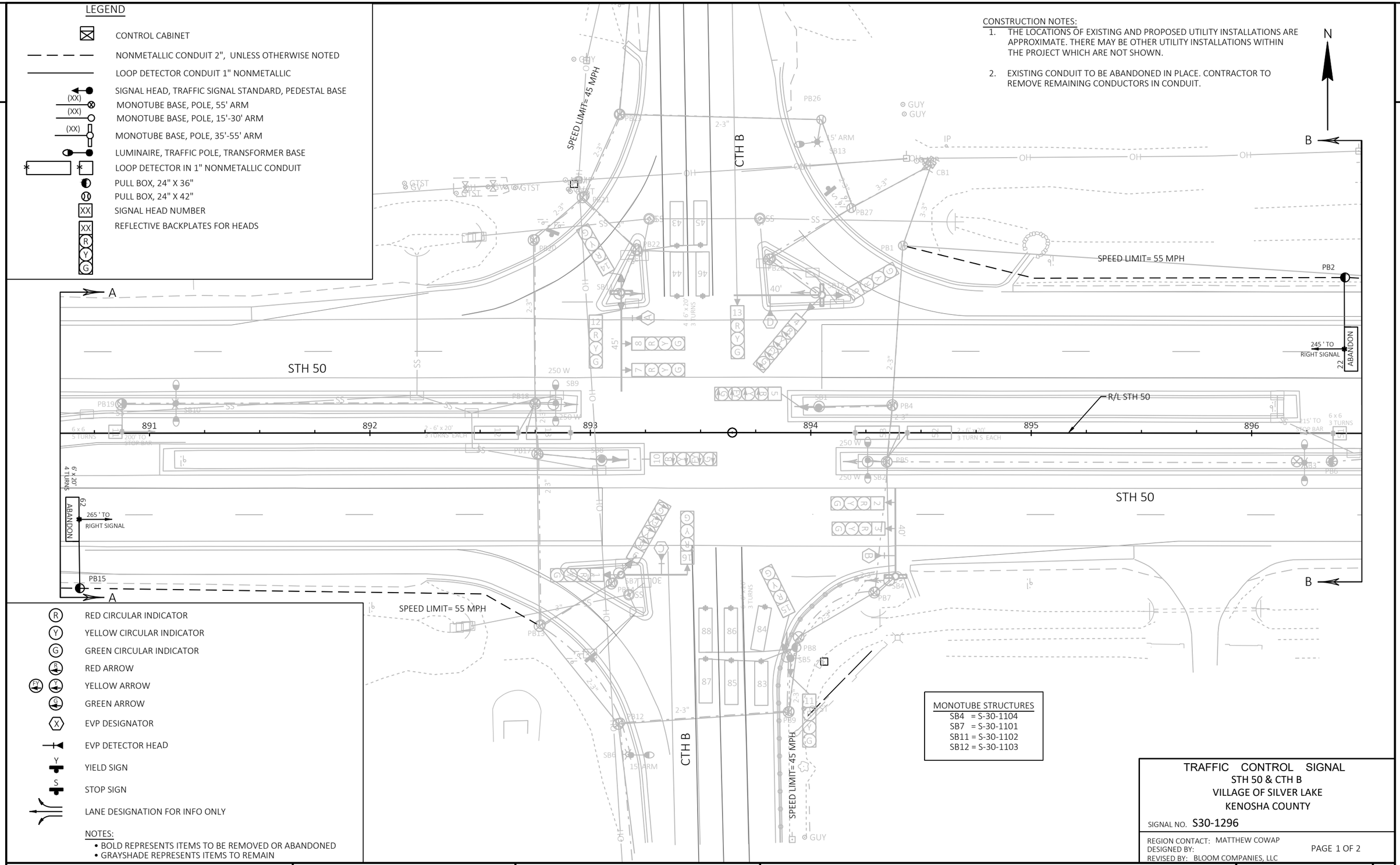
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 55' ARM
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- XX R Y G REFLECTIVE BACKPLATES FOR HEADS

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. EXISTING CONDUIT TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE REMAINING CONDUCTORS IN CONDUIT.

N

2



- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RA RED ARROW
- YA YELLOW ARROW
- GA GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- LANE DESIGNATION FOR INFO ONLY

NOTES:

- BOLD REPRESENTS ITEMS TO BE REMOVED OR ABANDONED
- GRAYSHADE REPRESENTS ITEMS TO REMAIN

MONOTUBE STRUCTURES

SB4	= S-30-1104
SB7	= S-30-1101
SB11	= S-30-1102
SB12	= S-30-1103

TRAFFIC CONTROL SIGNAL
STH 50 & CTH B
VILLAGE OF SILVER LAKE
KENOSHA COUNTY

SIGNAL NO. S30-1296

REGION CONTACT: MATTHEW COWAP
DESIGNED BY:
REVISED BY: BLOOM COMPANIES, LLC

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL REMOVAL	SHEET 74	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024002-SR.DWG
LAYOUT NAME - 0240021
PLOT DATE : 12/4/2020 11:46 AM
PLOT BY : AMBILY PANKAJ
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

N

A

STH 50

R/L STH 50

885 886 887 888 889 890

SB15

SS

OH

POST

61
ABANDON
6' x 20'
5 TURNS

405 ' TO
RIGHT SIGNAL

PB16

SPEED LIMIT= 55 MPH

A

2

N

B

SPEED LIMIT= 55 MPH

PB3

21
ABANDON
6 x 20
3TURNS

440' TO
RIGHT SIGNAL

R/L STH 50

897 898 899 900 901 902

SB14

STH 50

B

TRAFFIC CONTROL SIGNAL
STH 50 & CTH B
VILLAGE OF SILVER LAKE
KENOSHA COUNTY

SIGNAL NO. S30-1296

REGION CONTACT: MATTHEW COWAP
DESIGNED BY:
REVISED BY: BLOOM COMPANIES, LLC

PAGE 2 OF 2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL REMOVAL	SHEET 75	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024002-SR.DWG
LAYOUT NAME - 0240022

PLOT DATE : 12/4/2020 11:47 AM PLOT BY : AMBILY PANKAJ PLOT NAME : PLOT SCALE : 1 IN:40 FT

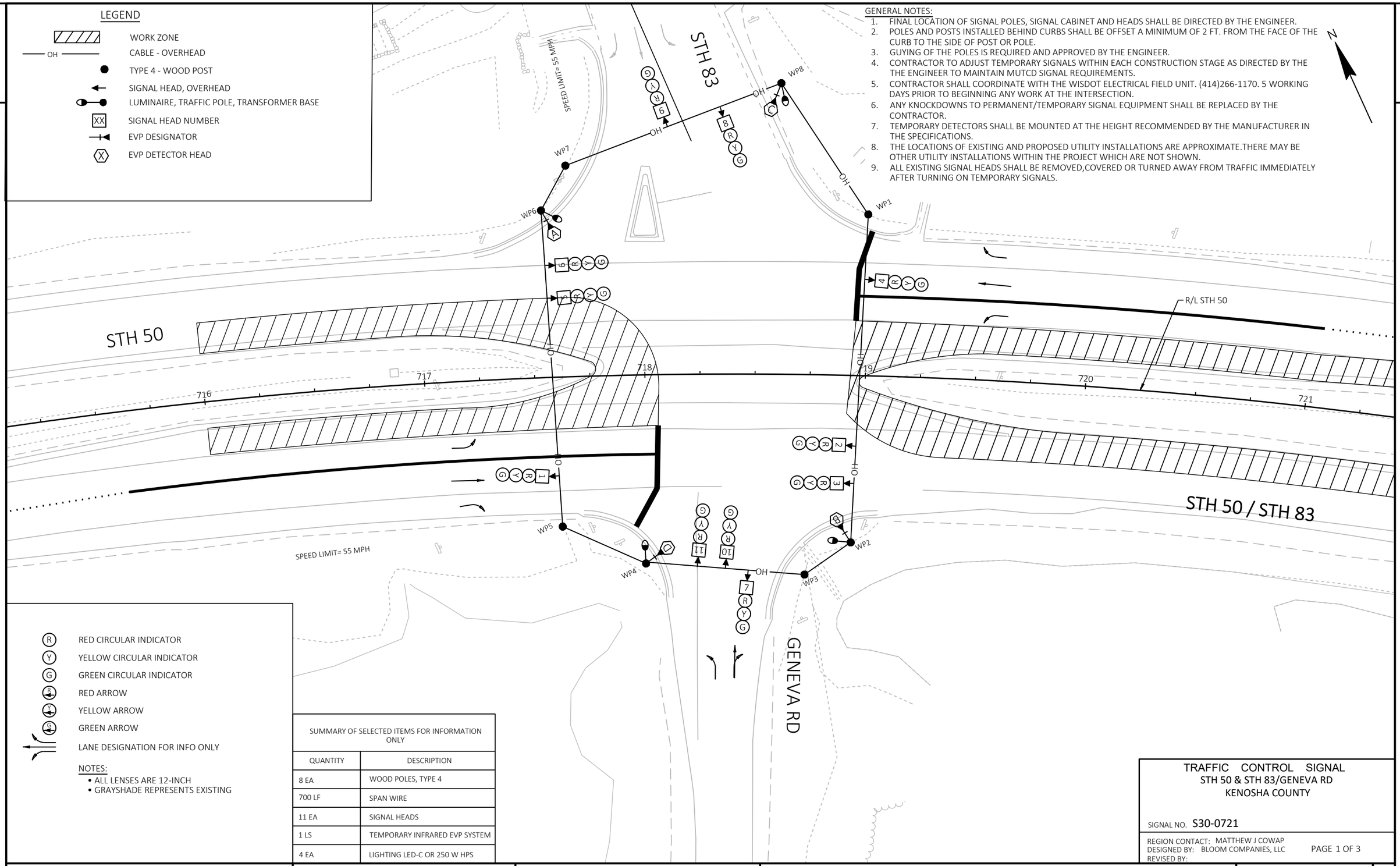
WISDOT/CADDS SHEET 44

LEGEND

- WORK ZONE
- OH — CABLE - OVERHEAD
- TYPE 4 - WOOD POST
- SIGNAL HEAD, OVERHEAD
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX — SIGNAL HEAD NUMBER
- EVP DESIGNATOR
- X — EVP DETECTOR HEAD

GENERAL NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET AND HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FT. FROM THE FACE OF THE CURB TO THE SIDE OF POST OR POLE.
3. GUYING OF THE POLES IS REQUIRED AND APPROVED BY THE ENGINEER.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT. (414)266-1170. 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
6. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
7. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
8. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE.THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
9. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED,COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.



- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- Y — YELLOW ARROW
- G — GREEN ARROW
- LANE DESIGNATION FOR INFO ONLY

NOTES:

- ALL LENSES ARE 12-INCH
- GRAYSHADE REPRESENTS EXISTING

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY	
QUANTITY	DESCRIPTION
8 EA	WOOD POLES, TYPE 4
700 LF	SPAN WIRE
11 EA	SIGNAL HEADS
1 LS	TEMPORARY INFRARED EVP SYSTEM
4 EA	LIGHTING LED-C OR 250 W HPS

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83/GENEVA RD
KENOSHA COUNTY

SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TEMPORARY SIGNAL PLAN - STAGE 1	SHEET 76	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024101-ST1.DWG
LAYOUT NAME - 024101-st1

PLOT DATE : 12/4/2020 11:38 AM PLOT BY : AMBILY PANKAJ PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

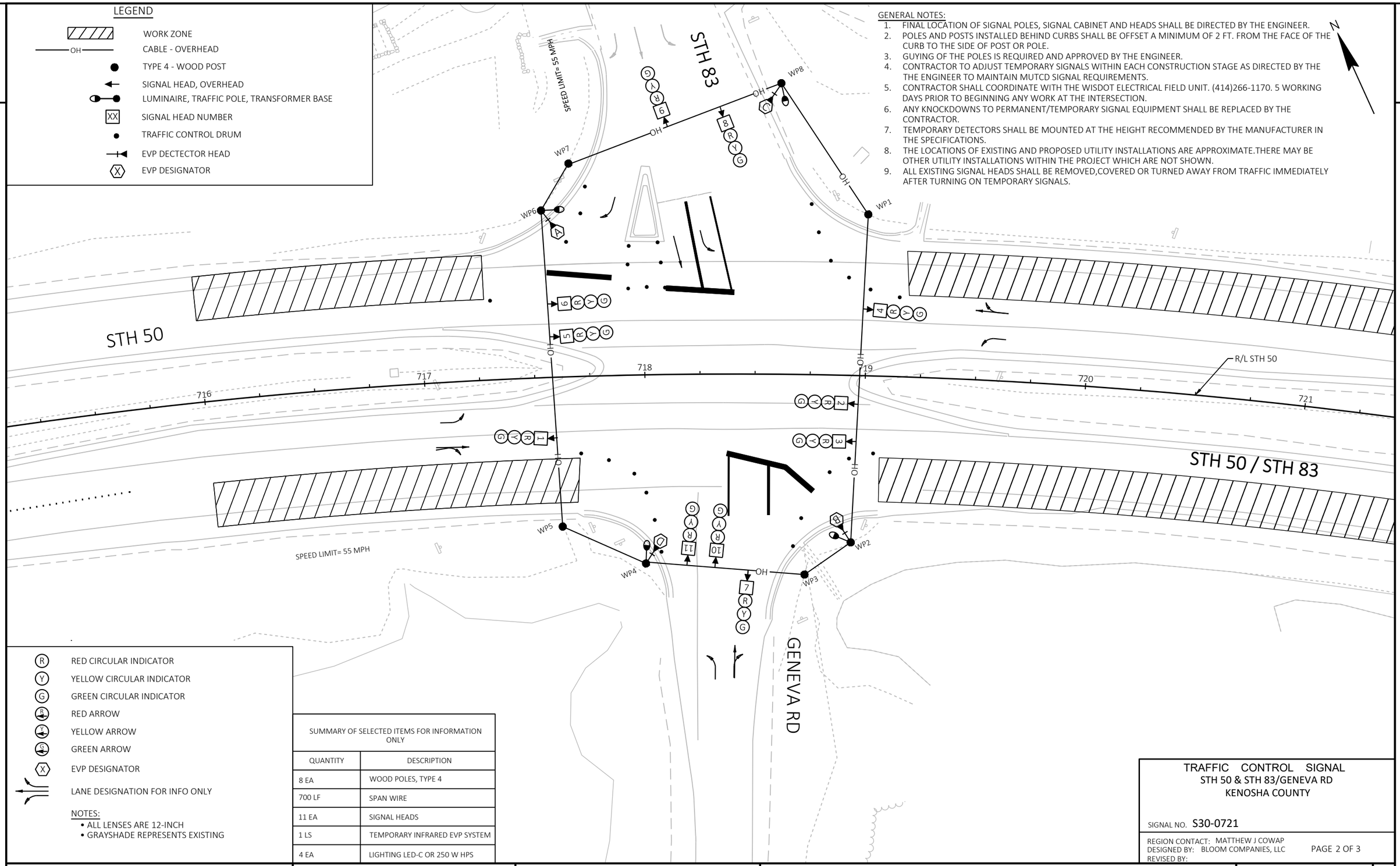
2

LEGEND

- WORK ZONE
- OH — CABLE - OVERHEAD
- TYPE 4 - WOOD POST
- SIGNAL HEAD, OVERHEAD
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- XX — SIGNAL HEAD NUMBER
- TRAFFIC CONTROL DRUM
- EVP DECTECTOR HEAD
- X — EVP DESIGNATOR

GENERAL NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET AND HEADS SHALL BE DIRECTED BY THE ENGINEER.
2. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FT. FROM THE FACE OF THE CURB TO THE SIDE OF POST OR POLE.
3. GUYING OF THE POLES IS REQUIRED AND APPROVED BY THE ENGINEER.
4. CONTRACTOR TO ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
5. CONTRACTOR SHALL COORDINATE WITH THE WISDOT ELECTRICAL FIELD UNIT. (414)266-1170. 5 WORKING DAYS PRIOR TO BEGINNING ANY WORK AT THE INTERSECTION.
6. ANY KNOCKDOWNS TO PERMANENT/TEMPORARY SIGNAL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR.
7. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
8. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE.THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
9. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED,COVERED OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.



- R — RED CIRCULAR INDICATOR
- Y — YELLOW CIRCULAR INDICATOR
- G — GREEN CIRCULAR INDICATOR
- R — RED ARROW
- Y — YELLOW ARROW
- G — GREEN ARROW
- X — EVP DESIGNATOR
- LANE DESIGNATION FOR INFO ONLY

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

SUMMARY OF SELECTED ITEMS FOR INFORMATION ONLY

QUANTITY	DESCRIPTION
8 EA	WOOD POLES, TYPE 4
700 LF	SPAN WIRE
11 EA	SIGNAL HEADS
1 LS	TEMPORARY INFRARED EVP SYSTEM
4 EA	LIGHTING LED-C OR 250 W HPS

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83/GENEVA RD
KENOSHA COUNTY

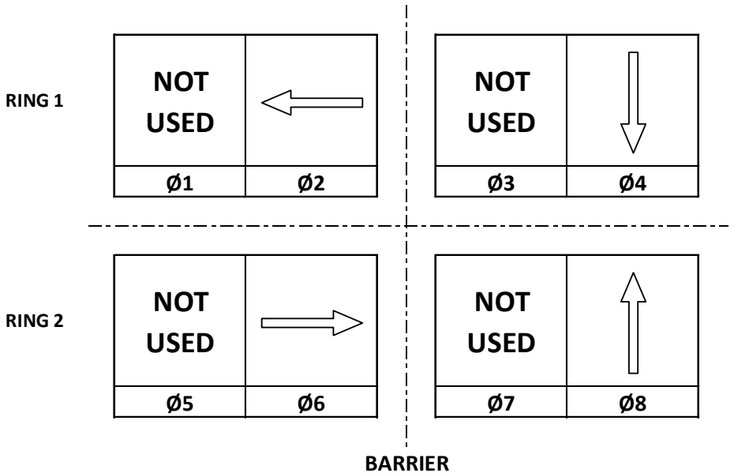
SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TEMPORARY SIGNAL PLAN -STAGE 2	SHEET 77	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024101-ST2.DWG
LAYOUT NAME - 024101-st2
PLOT DATE : 12/4/2020 1:49 PM
PLOT BY : AMBILY PANKAJ
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	4,5,6	R
Ø3		
Ø4	9,10,11	R
Ø5		
Ø6	1,2,3	R
Ø7		
Ø8	7,8	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE		
OLF		
OLG		
OLH		



N

CONTROLLER LOGIC

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

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	⇐ ⇒	⇐ ⇒	⇓ ⇑	⇓ ⇑
PHASE	2+6	6+2	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

STH 50 & STH 83/GENEVA RD
KENOSHA

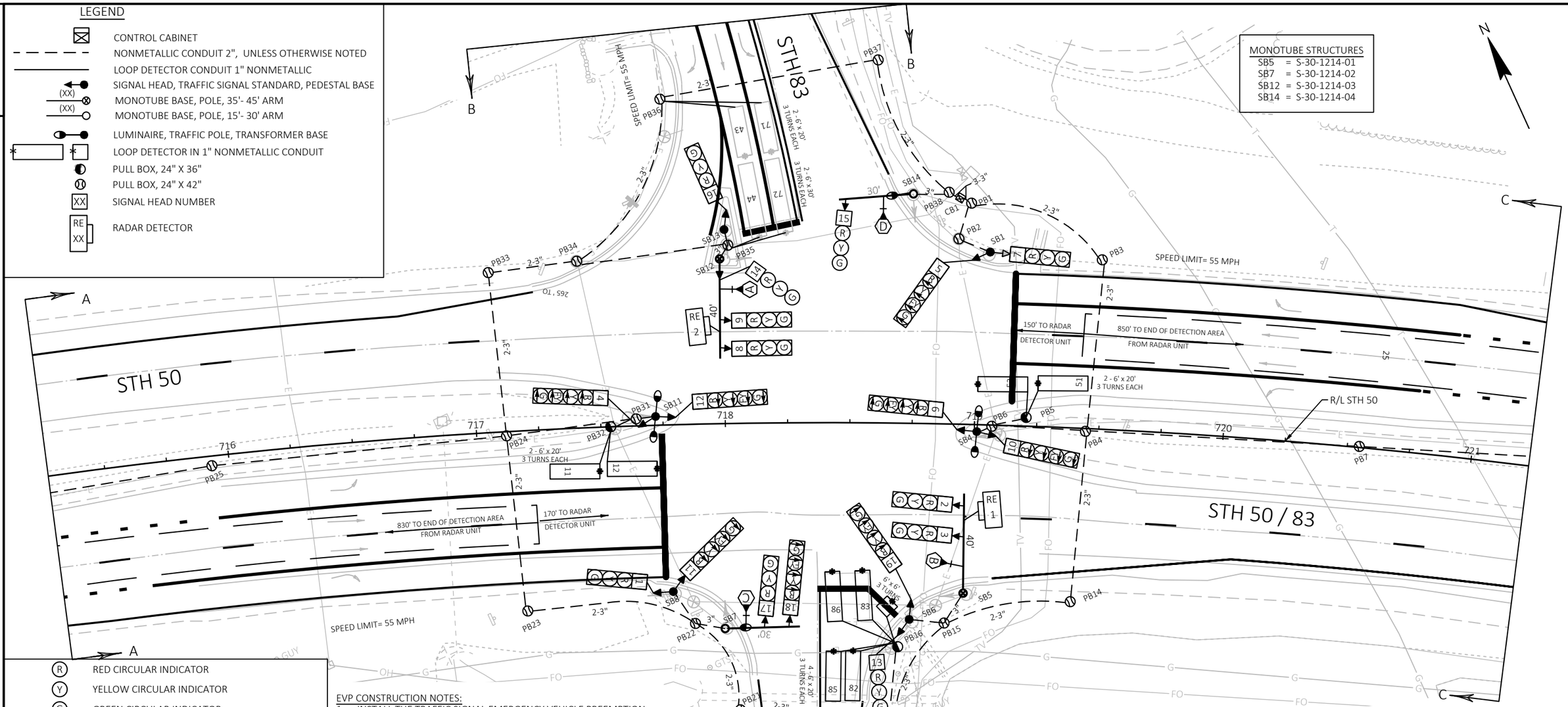
SIGNAL NO: S30-0721 **CABINET TYPE: TEMP**
CONTROLLER TYPE: ECONOLITE
DATE: **PAGE NUMBER: 3 OF 3**

FILE NAME: \\bloomserver3\X-SYNC-MKE\BM1-3694A STH 50, Kenosha\5_Design\03_Roads\13101870\SheetsPlan\024101-PH.XLSX PLOT DATE: 8/7/2020 PLOT NAME: 024101-PH.XLSX PLOT BY: _____ PLOT SCALE: 1:1

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'- 45' ARM
- (XX) MONOTUBE BASE, POLE, 15'- 30' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- RE / XX RADAR DETECTOR

MONOTUBE STRUCTURES
SB5 = S-30-1214-01
SB7 = S-30-1214-02
SB12 = S-30-1214-03
SB14 = S-30-1214-04



- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- XX / R / Y / G REFLECTIVE BLACK PLATES FOR HEADS
- LANE DESIGNATION FOR INFO ONLY

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

EVP CONSTRUCTION NOTES:
1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PREEMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEAD. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING SHALL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING SHALL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AND DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE S30-0721 PLAN SHEETS (I.E. A-B-C-D).

CONSTRUCTION NOTES:
1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414)266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINARIES ARE LED-C UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

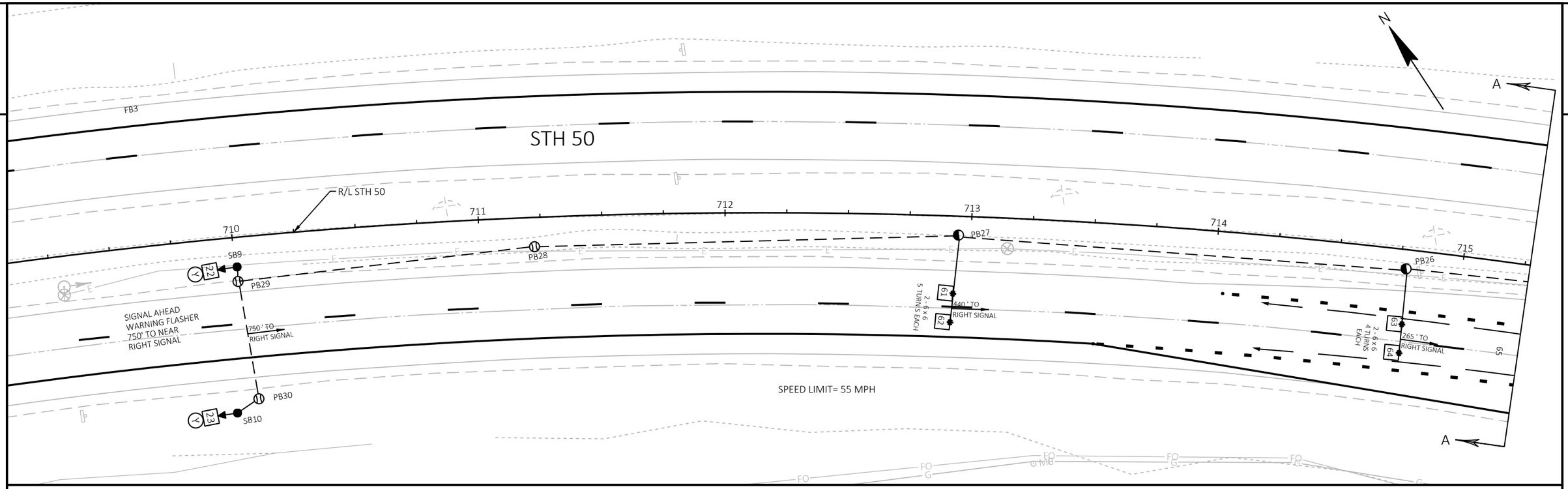
SIGNAL NO. S30-0721
CABINET TYPE: TS-2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
DATE 12/7/20 — REGION TRAFFIC ENGINEER
APPROVED
DATE 12/8/20 — STATE TRAFFIC ENGINEER

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES,LLC
REVISED BY:

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 79	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-0721\024201-SP.DWG
LAYOUT NAME - 0242011
PLOT DATE : 12/8/2020 4:03 PM
PLOT BY : VANDE LEEST, CYNTHIA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT



TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

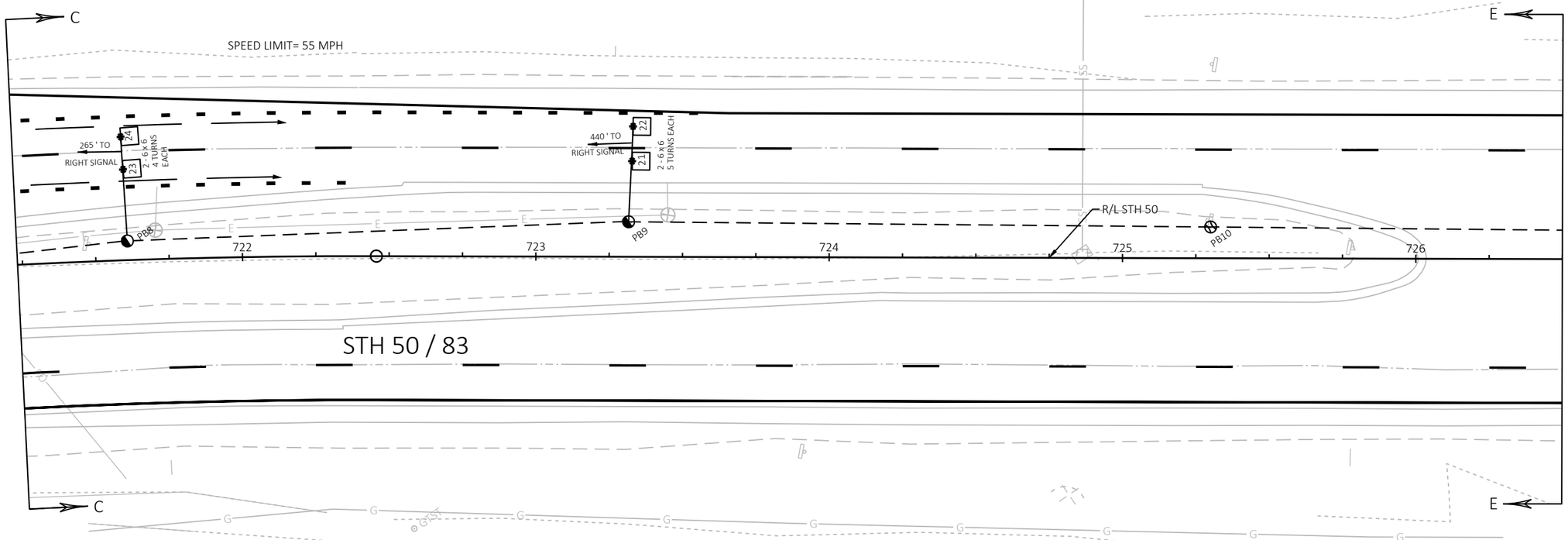
PAGE 2 OF 5

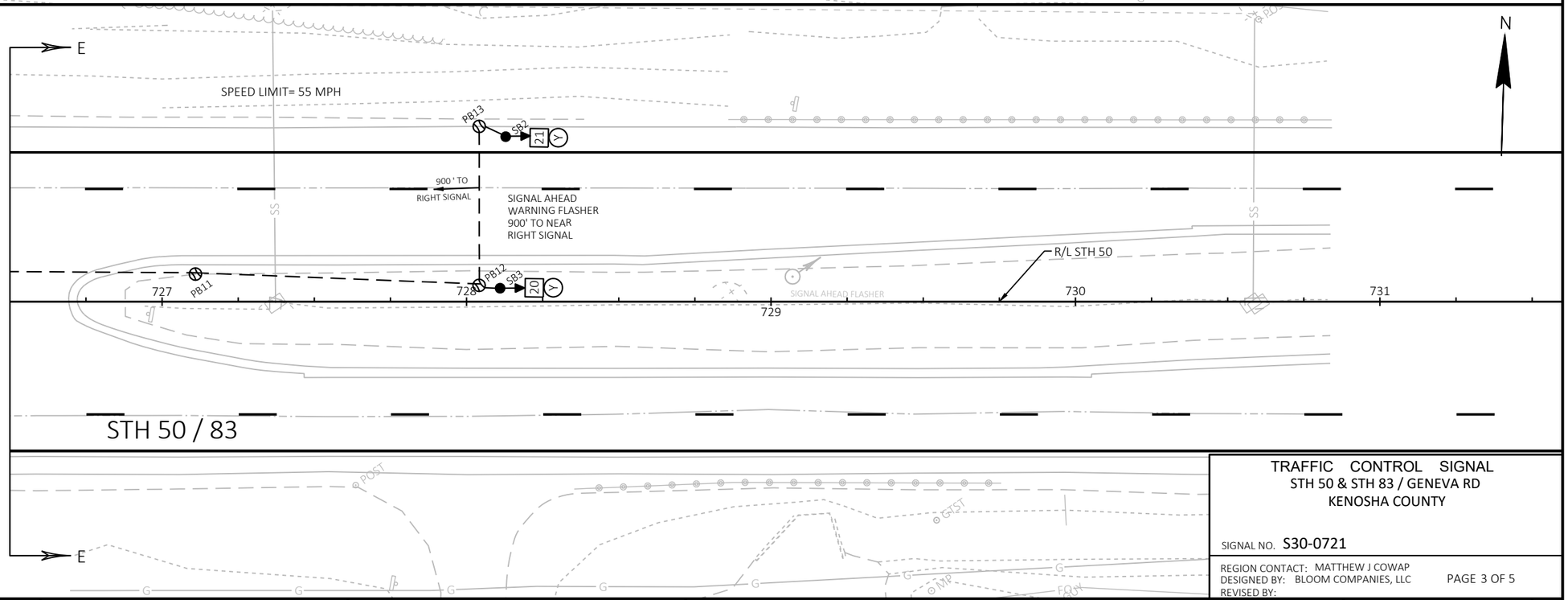
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 80	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-0721\024201-SP.DWG
LAYOUT NAME - 0242012

PLOT DATE : 12/8/2020 4:03 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

SIGNAL NO. S30-0721

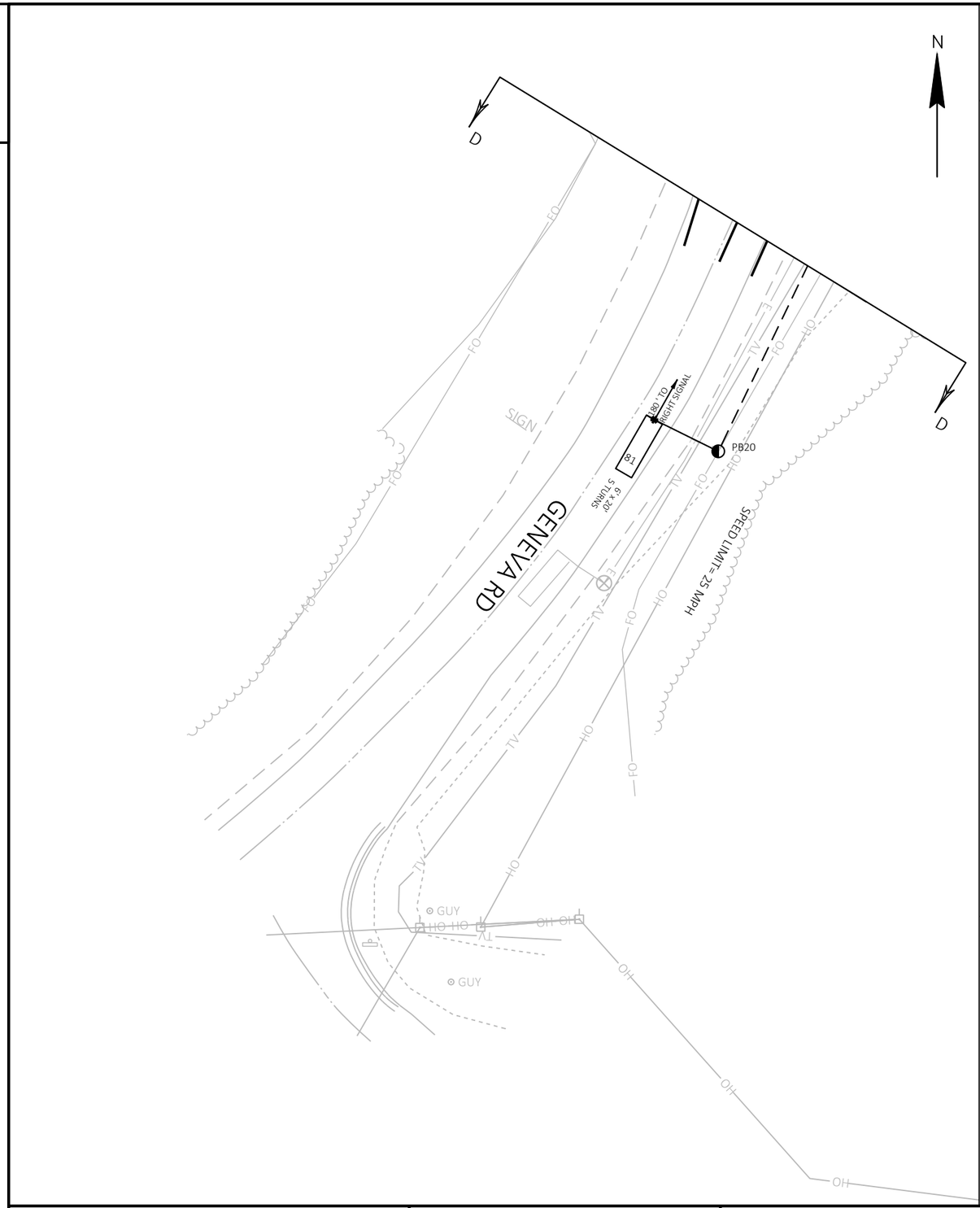
REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

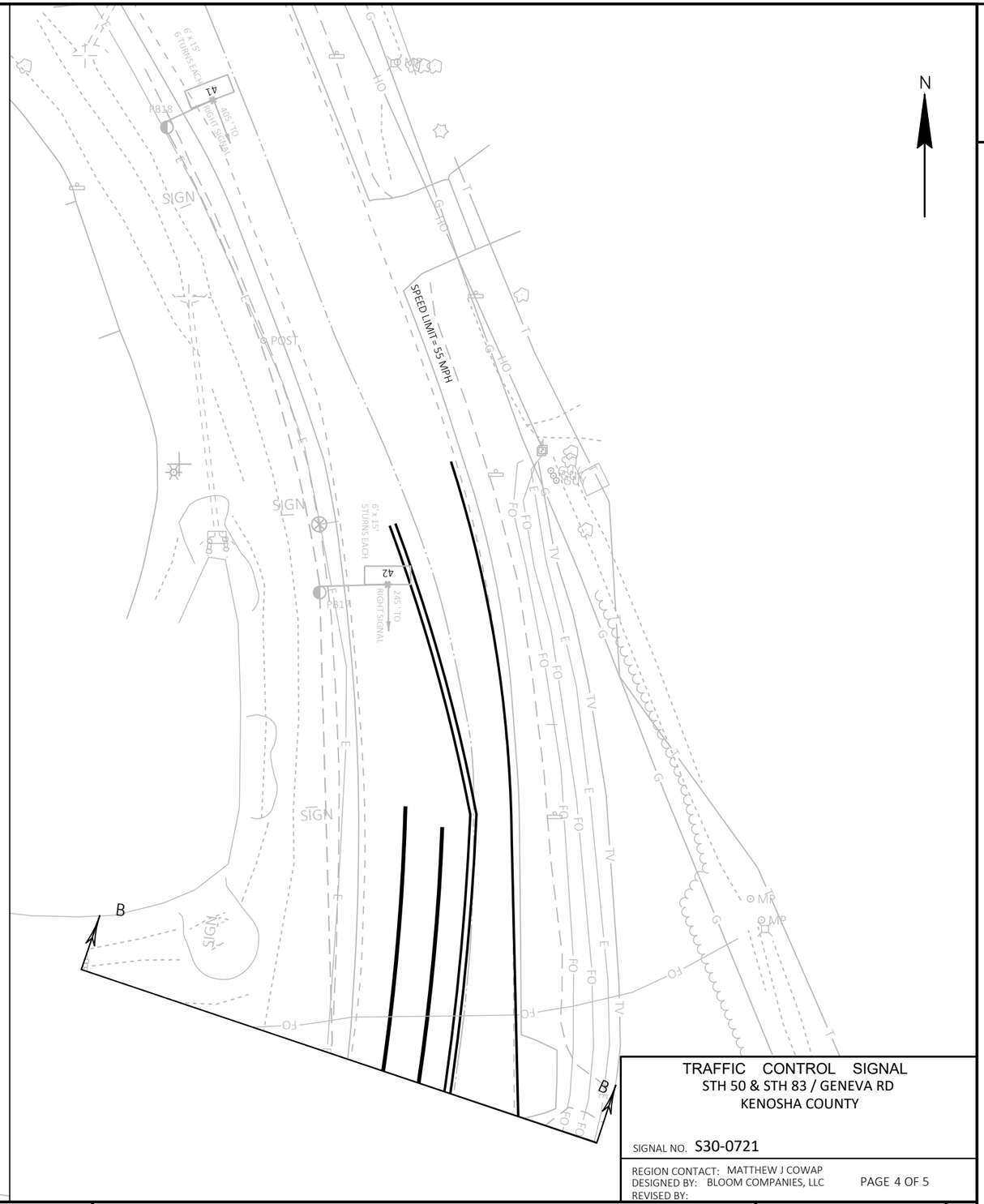
PAGE 3 OF 5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 81	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-0721\024201-SP.DWG
LAYOUT NAME - 0242013

PLOT DATE : 12/8/2020 4:03 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT





TRAFFIC CONTROL SIGNAL
STH 50 & STH 83 / GENEVA RD
KENOSHA COUNTY

SIGNAL NO. S30-0721

REGION CONTACT: MATTHEW J COWAP
DESIGNED BY: BLOOM COMPANIES, LLC
REVISED BY:

PAGE 4 OF 5

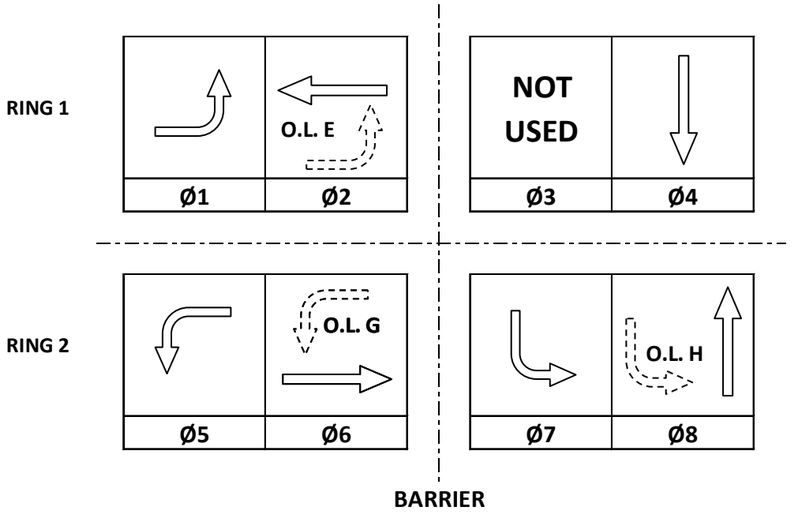
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 82	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-0721\024201-SP.DWG
LAYOUT NAME - 0242014

PLOT DATE : 12/8/2020 4:04 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R
Ø2	7,8,9	R
Ø3		
Ø4	16,17	R
Ø5	10,11,12	R
Ø6	1,2,3	R
Ø7	18,19	R
Ø8	13,14,15	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,5,6	-
OLF		
OLG	10,11,12	-
OLH	18,19	-
EB BCN	22,23	FY
WB BCN	20,21	FY



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 1+6, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	41	43	51	61	63	71	81	83	85					25								PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	5	6	6	7	8	8	8					2								CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X	X		X	X					X								CALL OPTION
DELAY TIME									X		X	X													DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X					X								EXTENTION OPTION
EXTEND TIME				X						X															EXTEND TIME
USE ADDED INITIAL		X	X				X	X																	USE ADDED INITIAL
CROSS SWITCH PHASE	2					6			8																CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	24	42	44	52	62	64	72	82	84	86					65								PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	5	6	6	7	8	8	8					6								CALLED PHASE
CALL OPTION	X	X	X		X	X	X	X	X		X	X					X								CALL OPTION
DELAY TIME									X		X	X													DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X					X								EXTENTION OPTION
EXTEND TIME				X						X															EXTEND TIME
USE ADDED INITIAL		X	X				X	X																	USE ADDED INITIAL
CROSS SWITCH PHASE	2					6			8																CROSS SWITCH PHASE

STH 50 & STH 83/GENEVA RD
MUNICIPALITY
KENOSHA COUNTY

SIGNAL NO: S30-0721 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: DECEMBER 2020 PAGE NUMBER: 5 OF 5

PROJECT NO:	1310-18-70
INTERSECTION:	STH 50 & STH 83/GENEVA RD

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

N

CB_TO	# OF COND.	HEAD NO.	SIGNAL INDICATION COLOR									PED	OTHER
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASH YEL>	D/WALK	WALK		
SB1	12	5	RED	ORG	GRN	RED	ORG	GRN	BLACK/WHT				
		7	RED/BLK	ORG/BLK	GREEN/BLK								
SB2	7	21		ORG									
SB3	7	22		ORG									
SB4	12	6				RED	ORG	GREEN	BLK/WHT				
		10				RED/BLK	ORG/BLK	GREEN/BLK	WHT/BLK				
SB5	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
SB6	12	13	RED/BLK	ORG/BLK	GREEN/BLK								
		19				RED	ORG	GRN	BLK/WHT				
SB7	12	17	RED	ORG	GRN								
		18				RED/BLK	ORG/BLK	GREEN/BLK	BLK/WHT				
SB8	12	1	RED	ORG	GRN								
		11				RED/BLK	ORG/BLK	GREEN/BLK	BLK/WHT				
SB9	7	24		ORG									
		25		RED									
SB10		22		ORG									
		23		RED									
SB11	12	4				RED	ORG	GREEN	BLK/WHT				
		12				RED/BLK	ORG/BLK	GREEN/BLK	BLU/BLK				
SB12	12	8	RED	ORG	GRN								
		9	RED	ORG	GRN								
		14	RED/BLK	ORG/BLK	GREEN/BLK								
SB13	12	16	RED	ORG	GRN								
SB14	12	15	RED	ORG	GRN								

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83/GENEVA RD
KENOSHA COUNTY

SIGNAL NO:	**S30-0721**
REGION CONTACT:	MATTHEW J COWAP
DESIGNED BY:	BLOOM COMPANIES LLC
REVISED BY:	

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	CB1

EMERGENCY VEHICLE	
FROM	TO
CB1	SB12 (HEAD 'A')
CB1	SB5 (HEAD 'B')
CB1	SB14 (HEAD 'C')
CB1	SB7 (HEAD 'D')

LIGHTING UF AWG W/GROUND	
FROM	TO
CB1	SB4
SB4	SB7
SB7	SB11
SB11	SB14
SB14	CB1

N

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	CB1
PB2	SB1
PB13	SB2
PB12	SB3
PB6	SB4
PB15	SB5
PB15	SB6
PB22	SB7
PB22	SB8
PB29	SB9
PB30	SB10
PB31	SB11
PB35	SB12
PB35	SB13
PB38	SB14
PB38	CB1

TRAFFIC CONTROL SIGNAL
STH 50 & STH 83/GENEVA RD
KENOSHA COUNTY

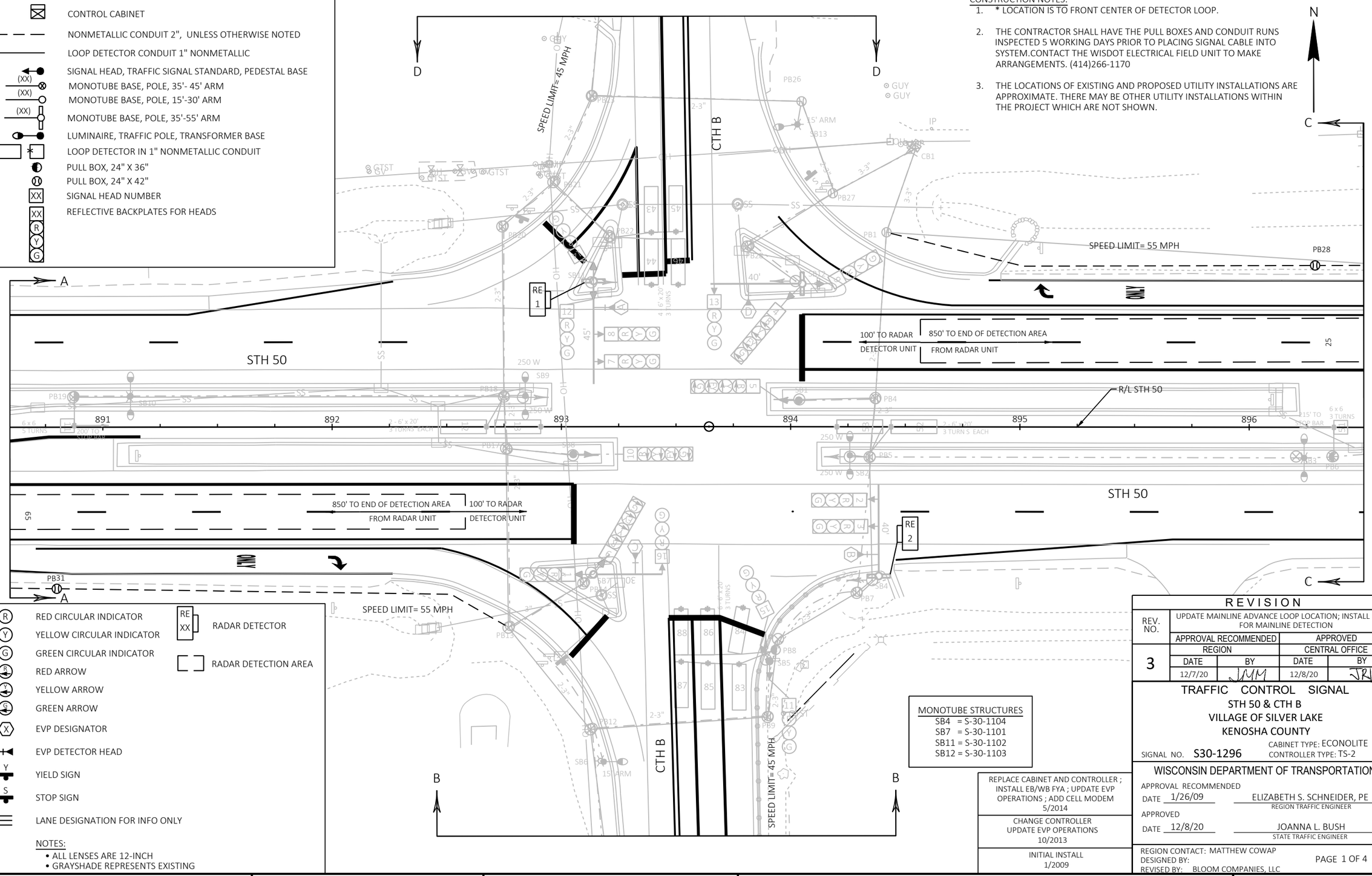
SIGNAL NO:	**S30-0721**
REGION CONTACT:	MATTHEW J COWAP
DESIGNED BY:	BLOOM COMPANIES LLC
REVISED BY:	

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'- 45' ARM
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * * LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- XX R Y G REFLECTIVE BACKPLATES FOR HEADS

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM.CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414)266-1170
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- LANE DESIGNATION FOR INFO ONLY

RE XX RADAR DETECTOR

RADAR DETECTION AREA

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

MONOTUBE STRUCTURES
SB4 = S-30-1104
SB7 = S-30-1101
SB11 = S-30-1102
SB12 = S-30-1103

REPLACE CABINET AND CONTROLLER ; INSTALL EB/WB FYA ; UPDATE EVP OPERATIONS ; ADD CELL MODEM 5/2014

CHANGE CONTROLLER UPDATE EVP OPERATIONS 10/2013

INITIAL INSTALL 1/2009

REVISION				
REV. NO.	UPDATE MAINLINE ADVANCE LOOP LOCATION; INSTALL RADAR FOR MAINLINE DETECTION			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
3	DATE	BY	DATE	BY
	12/7/20	JMM	12/8/20	JRH

TRAFFIC CONTROL SIGNAL
STH 50 & CTH B
VILLAGE OF SILVER LAKE
KENOSHA COUNTY

SIGNAL NO. S30-1296
CABINET TYPE: ECONOLITE
CONTROLLER TYPE: TS-2

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 1/26/09 ELIZABETH S. SCHNEIDER, PE
REGION TRAFFIC ENGINEER

APPROVED
DATE 12/8/20 JOANNA L. BUSH
STATE TRAFFIC ENGINEER

REGION CONTACT: MATTHEW COWAP
DESIGNED BY:
REVISED BY: BLOOM COMPANIES, LLC

PAGE 1 OF 4

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 86	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-1296\024202-SP.DWG
LAYOUT NAME - 0242021
PLOT DATE : 12/8/2020 3:58 PM
PLOT BY : VANDE LEEST, CYNTHIA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

N

A

A

STH 50

R/L STH 50

885 886 887 888 889 890

SB15

SS

OH

POST

61 62 2 - 6 x 6 5 TURNS EACH

440 ' TO RIGHT SIGNAL

PB33

64 63 2 - 6 x 6 4 TURNS EACH

265 ' TO RIGHT SIGNAL

PB32

SPEED LIMIT= 55 MPH

N

C

C

PB29

PB30

23 24 2 - 6 x 6 4 TURNS EACH

265 ' TO RIGHT SIGNAL

21 22 2 - 6 x 6 5 TURN S EACH

440' TO RIGHT SIGNAL

SPEED LIMIT= 55 MPH

R/L STH 50

897 898 899 900 901 902

SB14

STH 50

TRAFFIC CONTROL SIGNAL
STH 50 & CTH B
VILLAGE OF SILVER LAKE
KENOSHA COUNTY

SIGNAL NO. S30-1296

REGION CONTACT: MATTHEW COWAP
DESIGNED BY:
REVISED BY: BLOOM COMPANIES, LLC

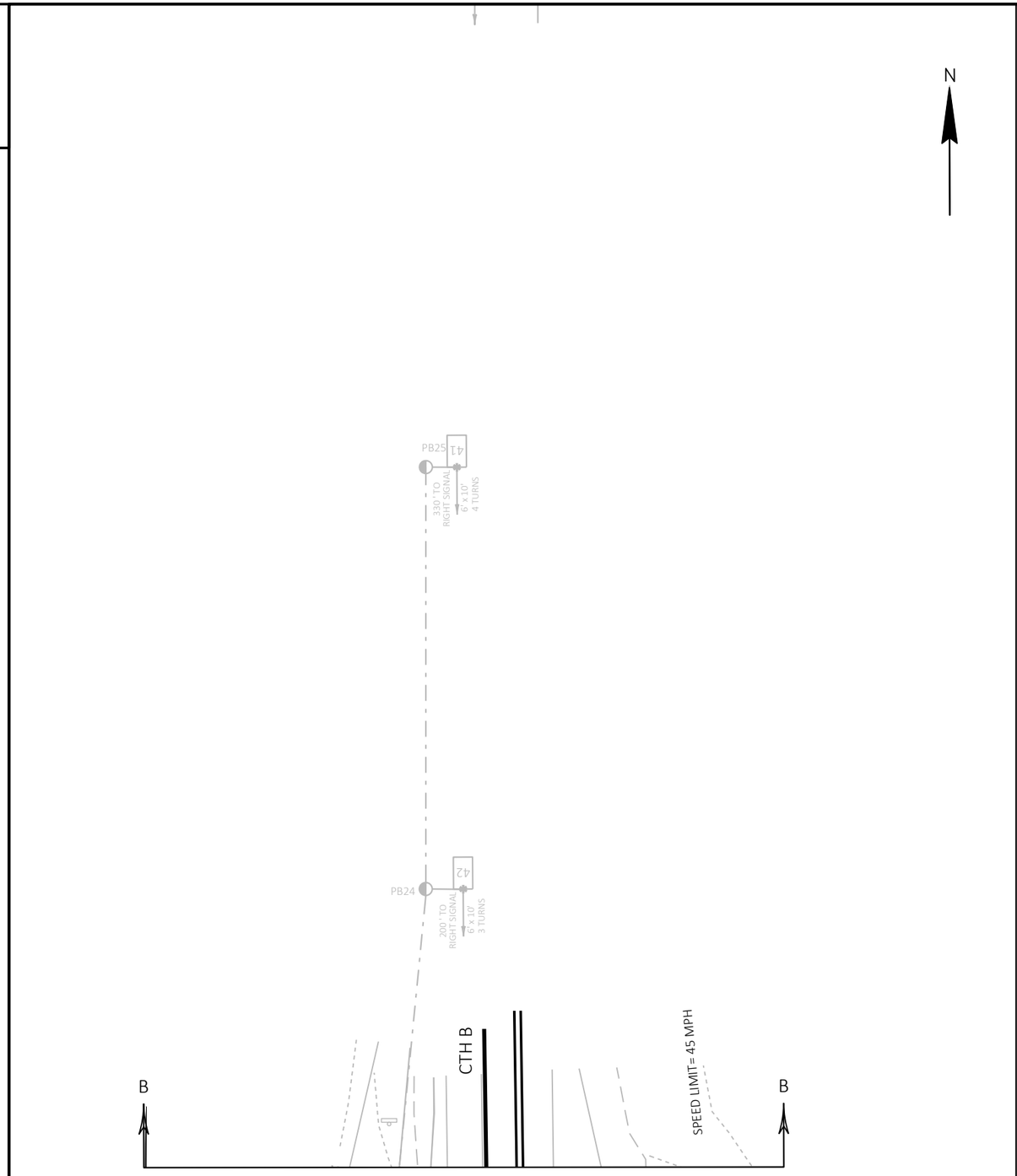
PAGE 2 OF 4

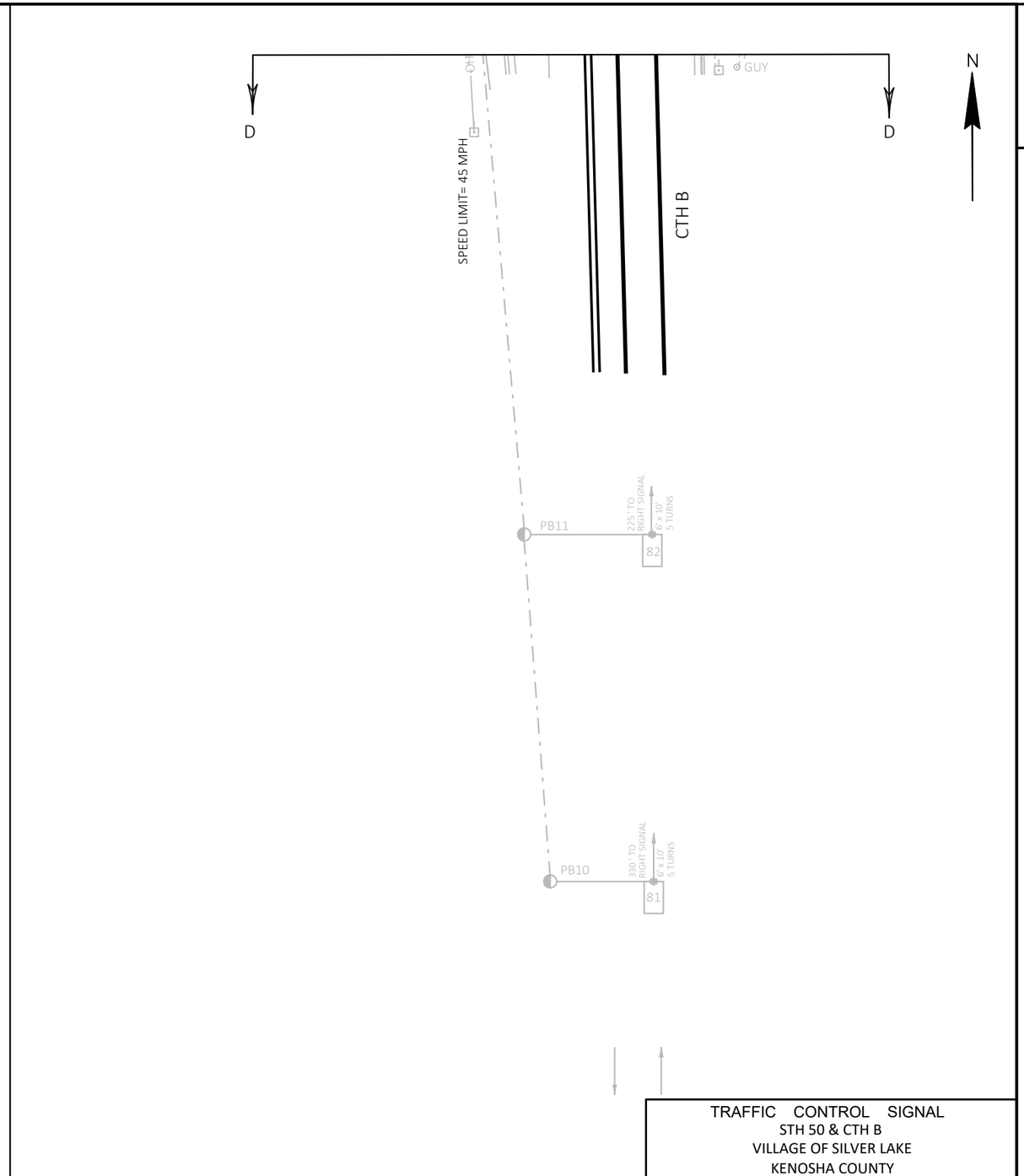
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 87	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-1296\024202-SP.DWG
LAYOUT NAME - 0242022

PLOT DATE : 12/8/2020 3:58 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44





TRAFFIC CONTROL SIGNAL
STH 50 & CTH B
VILLAGE OF SILVER LAKE
KENOSHA COUNTY

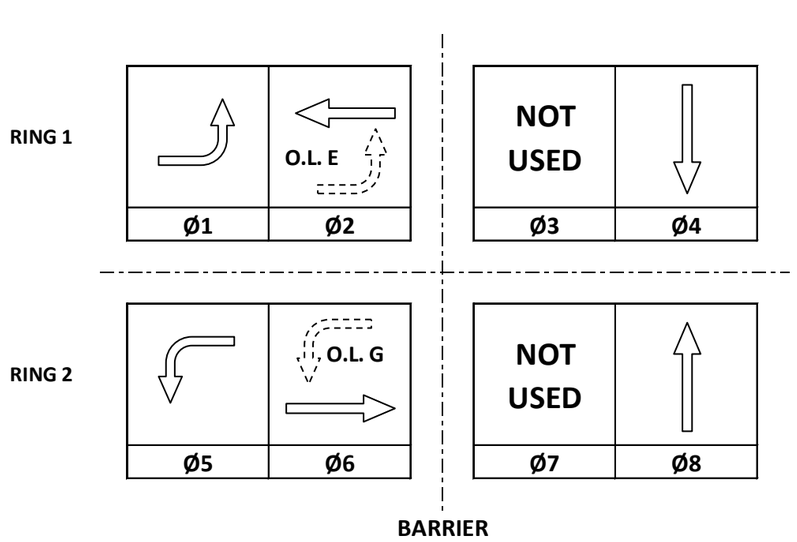
SIGNAL NO. S30-1296

REGION CONTACT: MATTHEW COWAP
DESIGNED BY:
REVISED BY: BLOOM COMPANIES, LLC

PAGE 3 OF 4

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 88	E

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,5	-
OLF		
OLG	9,10	-
OLH		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↑	↓
PHASE	2+5	6+1	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	13	22	24	42	44	46	52	61	63	87	81	83	85	87		25								PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	2	2	4	4	4	5	6	6	8	8	8	8	8		2								CALLED PHASE
CALL OPTION		X	X	X	X	X	X	X	X	X	X		X	X	X		X								CALL OPTION
DELAY TIME							X						X												DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X								EXTENTION OPTION
EXTEND TIME	X											X													EXTEND TIME
USE ADDED INITIAL			X	X					X	X															USE ADDED INITIAL
CROSS SWITCH PHASE		2						6																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	21	23	41	43	45	51	53	62	64	82	84	86	88			65								PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	4	4	4	5	5	6	6	8	8	8	8			6								CALLED PHASE
CALL OPTION	X	X	X		X	X		X	X	X	X	X	X	X			X								CALL OPTION
DELAY TIME						X						X													DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X															EXTENTION OPTION
EXTEND TIME				X			X										X								EXTEND TIME
USE ADDED INITIAL		X	X						X	X															USE ADDED INITIAL
CROSS SWITCH PHASE	2							6																	CROSS SWITCH PHASE

STH 50 & CTH B
VILLAGE OF SILVER LAKE
KENOSHA COUNTY

SIGNAL NO: S30-1296 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: DECEMBER 2020 PAGE NUMBER: 3 OF 3

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	SEQUENCE OF OPERATIONS	SHEET NO: 89	E

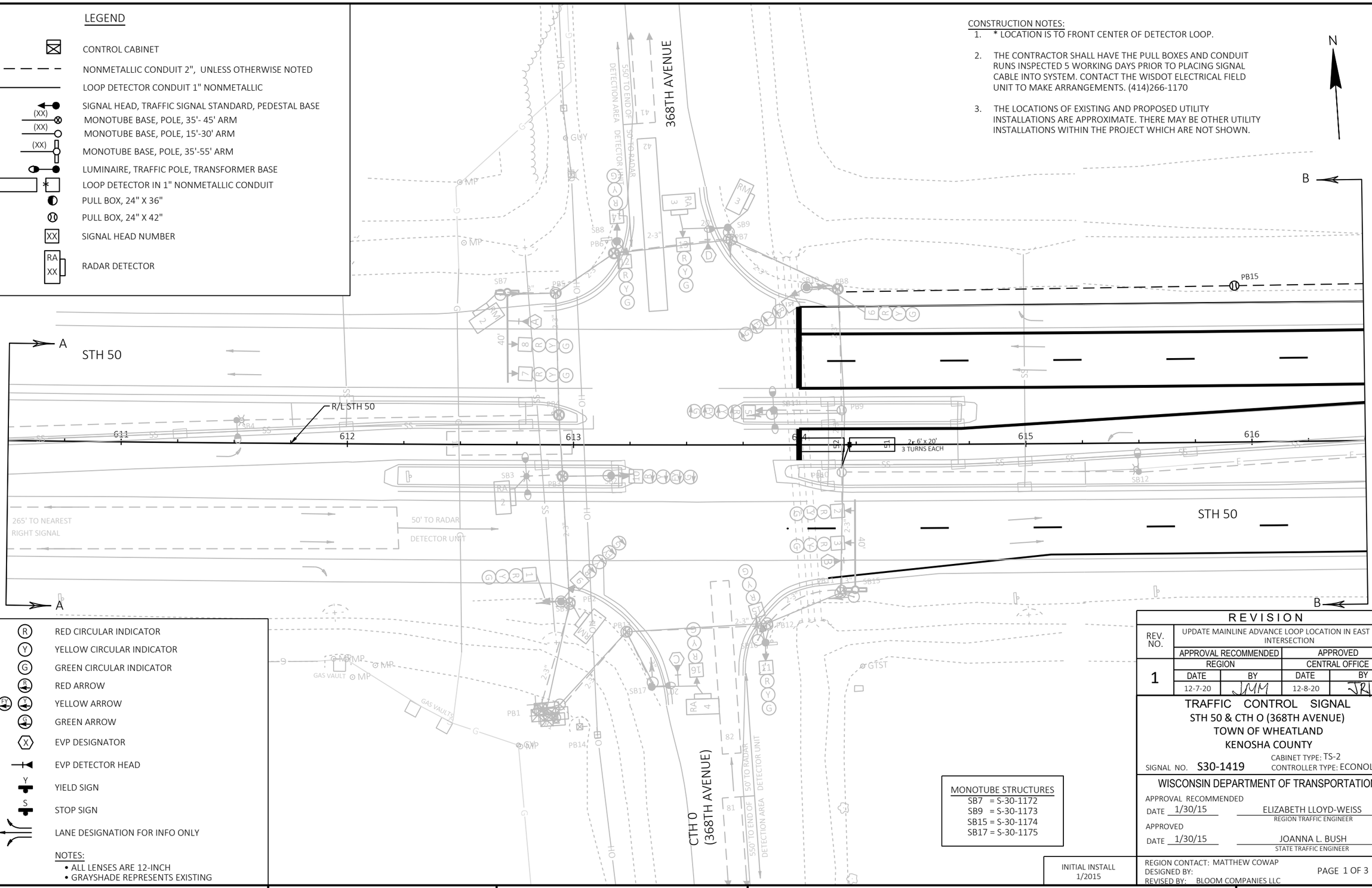
2

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'- 45' ARM
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- RA XX RADAR DETECTOR

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414)266-1170
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.



- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- EV Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- LANE DESIGNATION FOR INFO ONLY

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

MONOTUBE STRUCTURES
SB7 = S-30-1172
SB9 = S-30-1173
SB15 = S-30-1174
SB17 = S-30-1175

INITIAL INSTALL
1/2015

REVISION				
REV. NO.	UPDATE MAINLINE ADVANCE LOOP LOCATION IN EAST LEG OF INTERSECTION			
	APPROVAL RECOMMENDED		APPROVED	
1	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	12-7-20	JMM	12-8-20	JR

TRAFFIC CONTROL SIGNAL
STH 50 & CTH O (368TH AVENUE)
TOWN OF WHEATLAND
KENOSHA COUNTY

SIGNAL NO. S30-1419
CABINET TYPE: TS-2
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

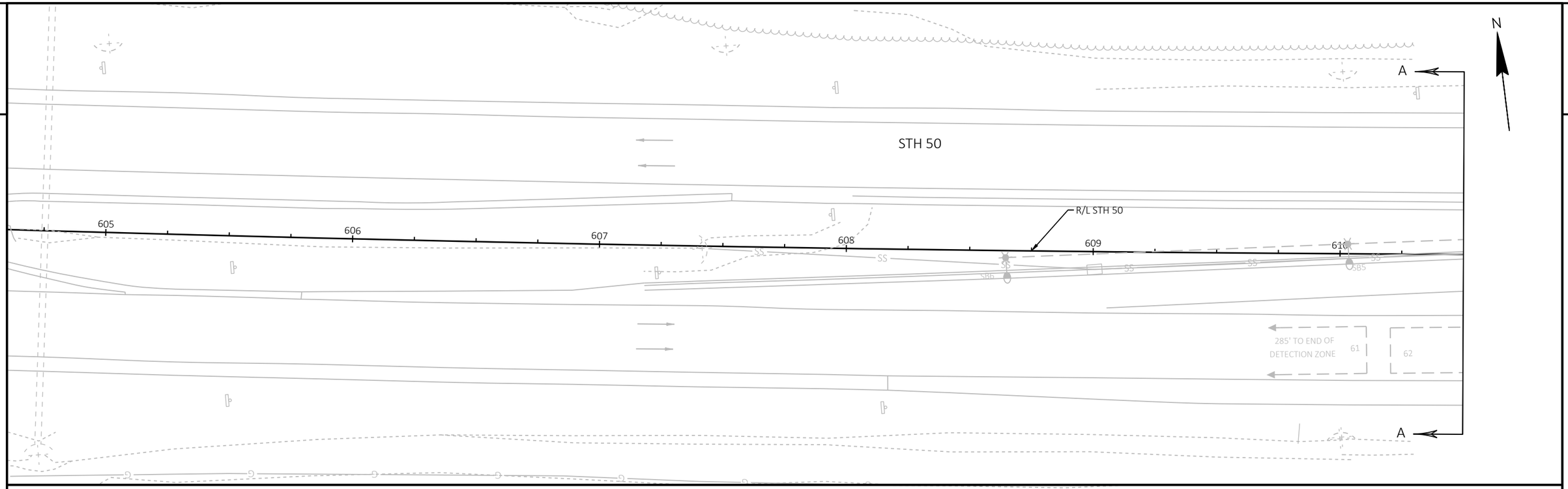
APPROVAL RECOMMENDED
DATE 1/30/15 ELIZABETH LLOYD-WEISS
REGION TRAFFIC ENGINEER

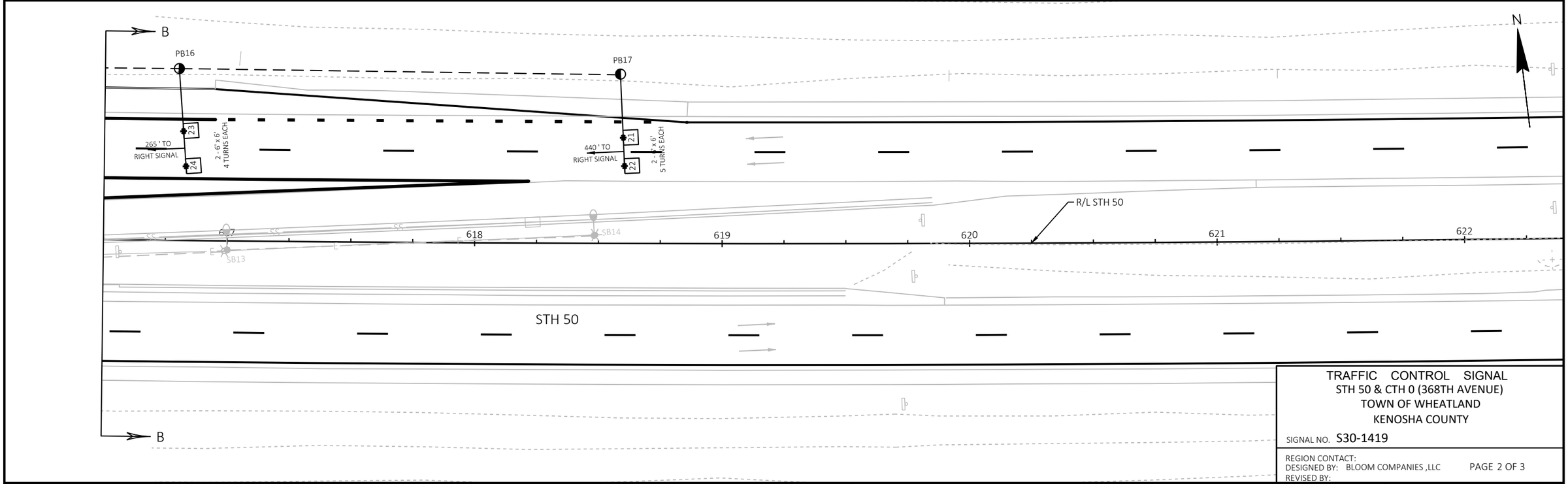
APPROVED
DATE 1/30/15 JOANNA L. BUSH
STATE TRAFFIC ENGINEER

REGION CONTACT: MATTHEW COWAP
DESIGNED BY:
REVISED BY: BLOOM COMPANIES LLC

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 90	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-1419\024203-SP.DWG
LAYOUT NAME - 0242031
PLOT DATE : 12/8/2020 4:17 PM
PLOT BY : VANDE LEEST, CYNTHIA
PLOT NAME :
PLOT SCALE : 1 IN:40 FT





TRAFFIC CONTROL SIGNAL
STH 50 & CTH 0 (368TH AVENUE)
TOWN OF WHEATLAND
KENOSHA COUNTY

SIGNAL NO. S30-1419

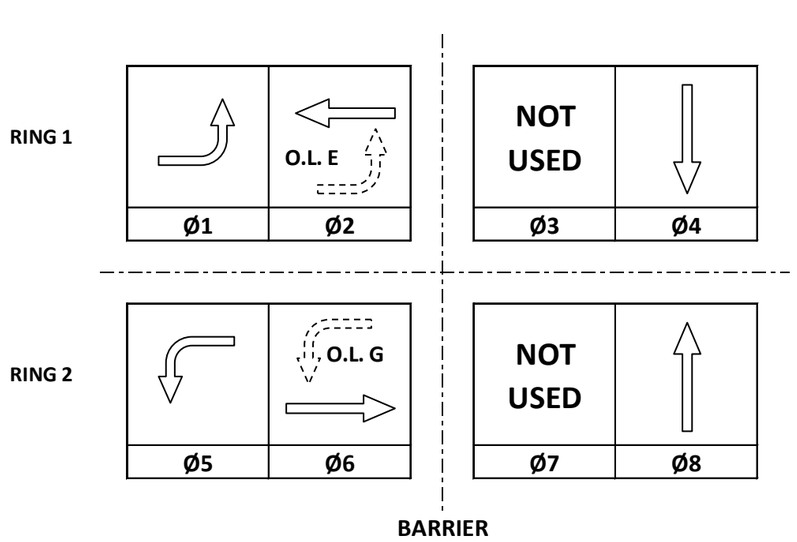
REGION CONTACT:
DESIGNED BY: BLOOM COMPANIES ,LLC
REVISED BY:

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET 91	E

FILE NAME : N:\PDS\C3D\CAD\13101800\SIG\S30-1419\024203-SP.DWG
LAYOUT NAME - 0242032

PLOT DATE : 12/8/2020 4:17 PM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:40 FT

	HEAD NUMBERS	FLASH
Ø1	4,5	R ←
Ø2	6,7,8	R
Ø3		
Ø4	14,15,16	R
Ø5	9,10	R ←
Ø6	1,2,3	R
Ø7		
Ø8	11,12,13	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	4,5	-
OLF		
OLG	9,10	-
OLH		



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↑↓	↓↑
PHASE	2+5	6+1	4+8	8+4

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+4, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO: S-	
SIGNAL SYSTEM NO: SS-	

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)		21	23	51				
CALLED PHASE		2	2	5				
CALL OPTION		X	X	X				
DELAY TIME								
EXTENTION OPTION		X	X	X				
EXTEND TIME								
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE				6				

19	17	23	21	27	25	31	29	DETECTOR INPUT
11	41	62						PLAN LOOP DETECTOR*(S)
1	4	6						CALLED PHASE
X		X						CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
	X							EXTEND TIME
								USE ADDED INITIAL
2								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)		22	24	52				
CALLED PHASE		2	2	5				
CALL OPTION		X	X	X				
DELAY TIME								
EXTENTION OPTION		X	X	X				
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE				6				

20	18	24	22	28	26	32	30	DETECTOR INPUT
42	61	81	82					PLAN LOOP DETECTOR*(S)
4	6	8	8					CALLED PHASE
X	X		X					CALL OPTION
X			X					DELAY TIME
X		X	X					EXTENTION OPTION
		X						EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

STH 50 AND CTH O (368TH AV)
TOWN OF WHEATLAND
KENOSHA COUNTY COUNTY
SIGNAL NO: S30-1419 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: DECEMBER 2020 PAGE NUMBER: 3 OF 3

2

(DOUBLE) 2
9
368TH AVE
50
N
1
4
12'
12'
3
9
4
+00
4
25'
2
BEGIN PROJECT
STA 612+78.95
610
612
614
7
(TYPE 2)
8
14'
9
11
10
10
+33
+00
R/L STH 50
25'
2
3
12'
12'
2
+12
+11
1
368TH AVE
9
2 (DOUBLE)
MATCH LINE STA 616+00

LEGEND

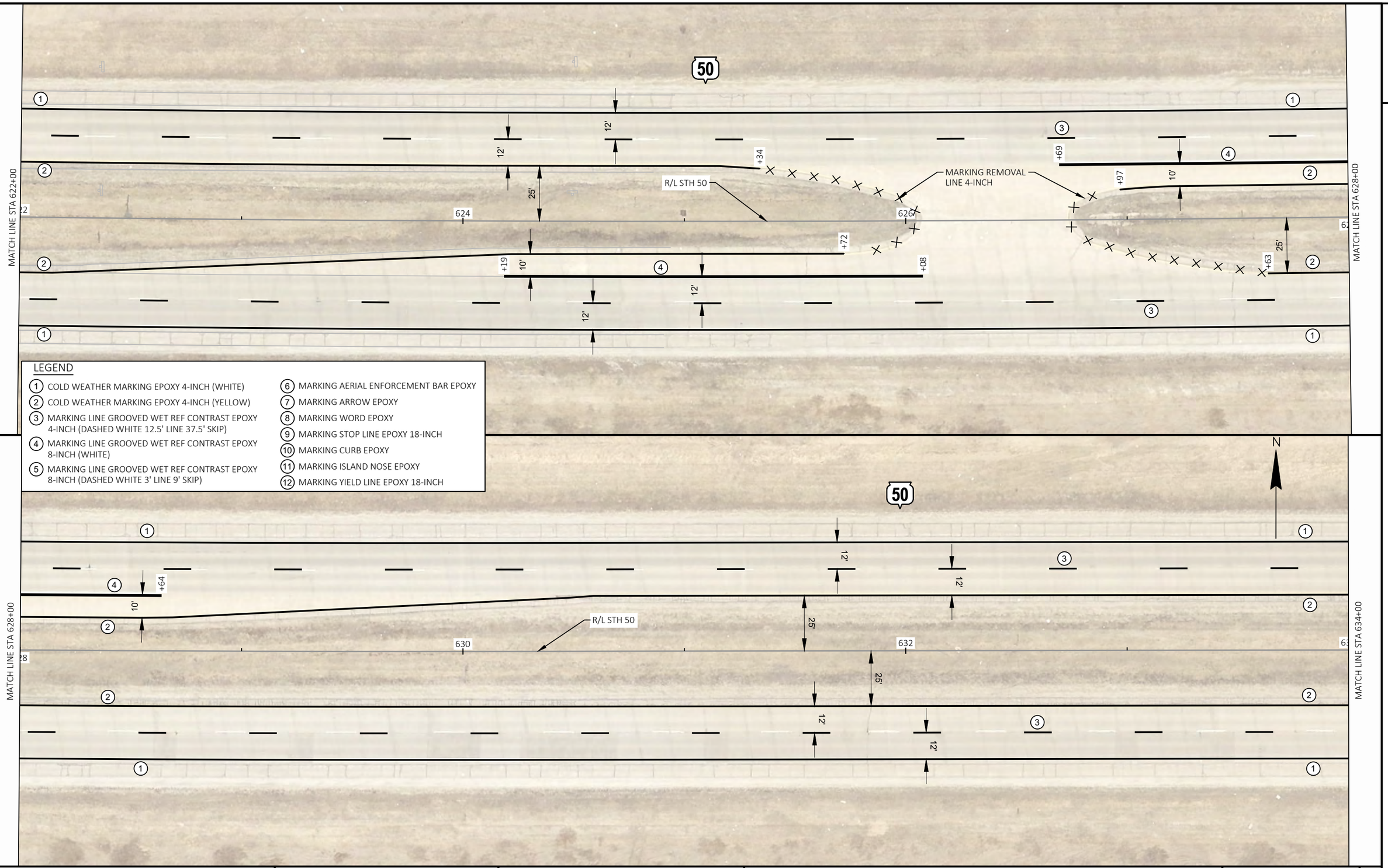
1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50
1
12'
+95
+86
4
5
1
4
12'
12'
3
4
+22
7
(TYPE 2)
14'
2
2
25'
616
618
620
622
R/L STH 50
25'
2
2
12'
12'
3
1
1
MATCH LINE STA 616+00
MATCH LINE STA 622+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 93	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm1
PLOT DATE : 11/1/2020 10:50 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 94	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm2
PLOT DATE : 11/1/2020 10:51 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 634+00

MATCH LINE STA 640+00

N

50

634 636 638 64

R/L STH 50

12' 12' 25' 25' 12' 12'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 640+00

MATCH LINE STA 646+00

N

50

642 644 64

R/L STH 50

12' 12' 25' 25' 12' 12' 12'

+66 +80 +19 +85 +86

MARKING REMOVAL LINE 4-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 95	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm3

PLOT DATE : 11/1/2020 10:51 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 646+00

MATCH LINE STA 652+00

N

50

+21

+30

12'

25'

648

650

R/L STH 50

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
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6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 652+00

MATCH LINE STA 658+00

654

656

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 96	E

2

2

MATCH LINE STA 658+00

MATCH LINE STA 664+00

50

N

12'

25'

660

662

R/L STH 50

+83

+88

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
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6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

KD

352ND AVE

(DOUBLE)

+72

+04

(TYPE 2)

+84

+18

+33

MARKING REMOVAL LINE 4-INCH

666

668

+38

+56

+66

+99

+12

11'

MATCH LINE STA 664+00

MATCH LINE STA 670+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 97	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm5

PLOT DATE : 11/1/2020 10:51 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 670+00

MATCH LINE STA 676+00

50

N

672

674

R/L STH 50

12'

25'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
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6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 676+00

MATCH LINE STA 682+00

50

N

678

680

+08

+41

+46

+75

+10

MARKING REMOVAL LINE 4-INCH

R/L STH 50

12'

25'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 98	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm6

PLOT DATE : 11/1/2020 10:51 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 682+00

MATCH LINE STA 688+00

50

N

12'

12'

25'

25'

12'

12'

684

686

R/L STH 50

+20

MARKING REMOVAL
LINE 4-INCH

+30

+57

12'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
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6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 688+00

MATCH LINE STA 694+00

50

N

MARKING REMOVAL
LINE 4-INCH

+36

+73

12'

12'

12'

12'

25'

25'

690

692

R/L STH 50

+16

12'

12'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 99	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm7

PLOT DATE : 11/1/2020 10:52 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 694+00

50

N

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

694 696 698 70

+48 +83 +69 +88 +71 +74 90+ +28

25' 11' 12'

MATCH LINE STA 700+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
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6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 700+00

50

N

700 702 704 70

25' 12'

R/L STH 50

MATCH LINE STA 706+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 100	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm8

PLOT DATE : 11/1/2020 10:52 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

50

N

12'

12'

25'

25'

12'

12'

R/L STH 50

708

710

MATCH LINE STA 706+00

MATCH LINE STA 712+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
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6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50

N

83

GENEVA RD

+25

12'

12'

25'

25'

R/L STH 50

714

716

+04

+94

12'

12'

+52

+63

12'

MATCH LINE STA 712+00

MATCH LINE STA 718+00

(TYPE 2)

(TYPE 2)

(TYPE 2)

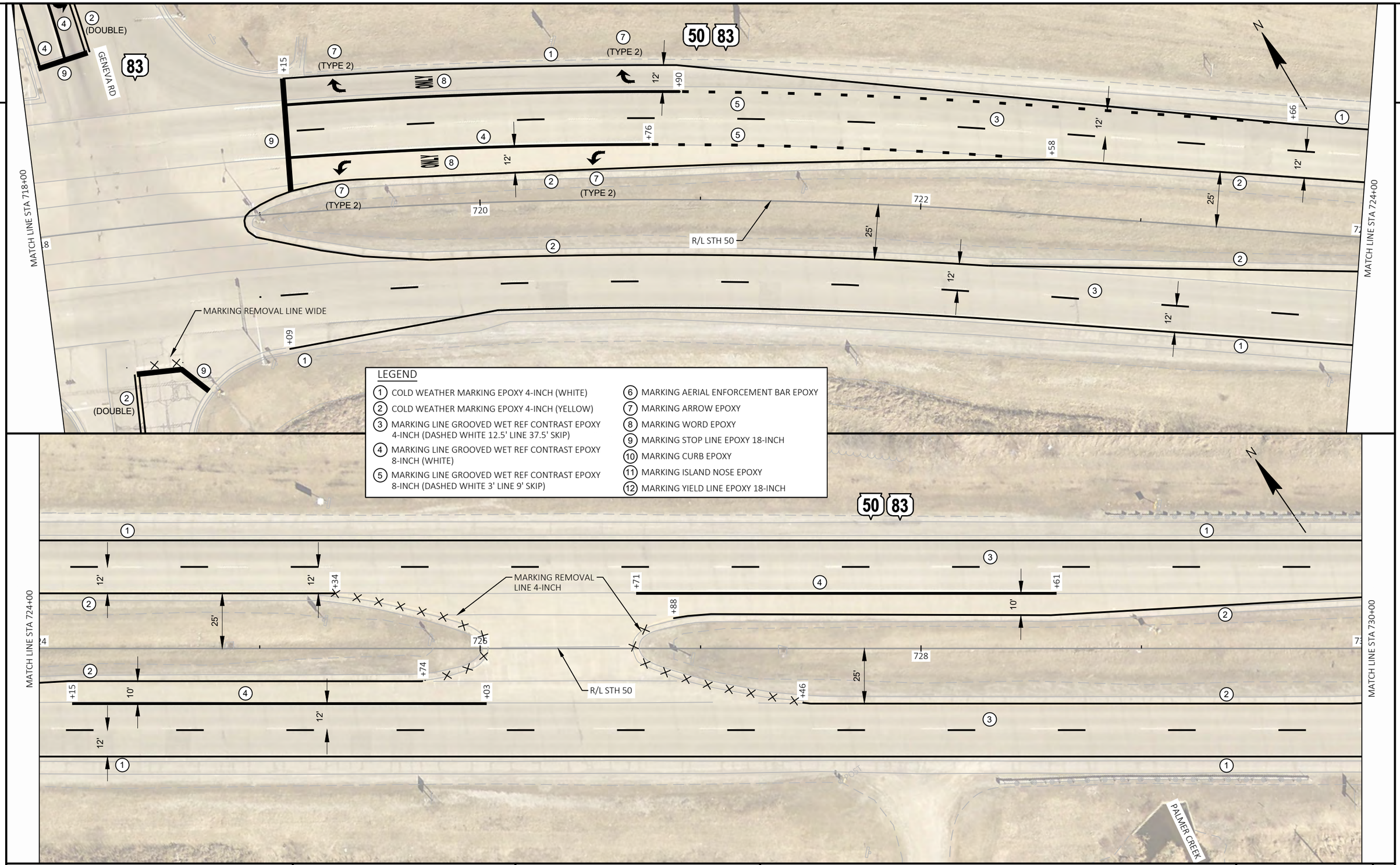
(TYPE 2)

+74

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 101	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm9

PLOT DATE : 11/1/2020 10:52 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
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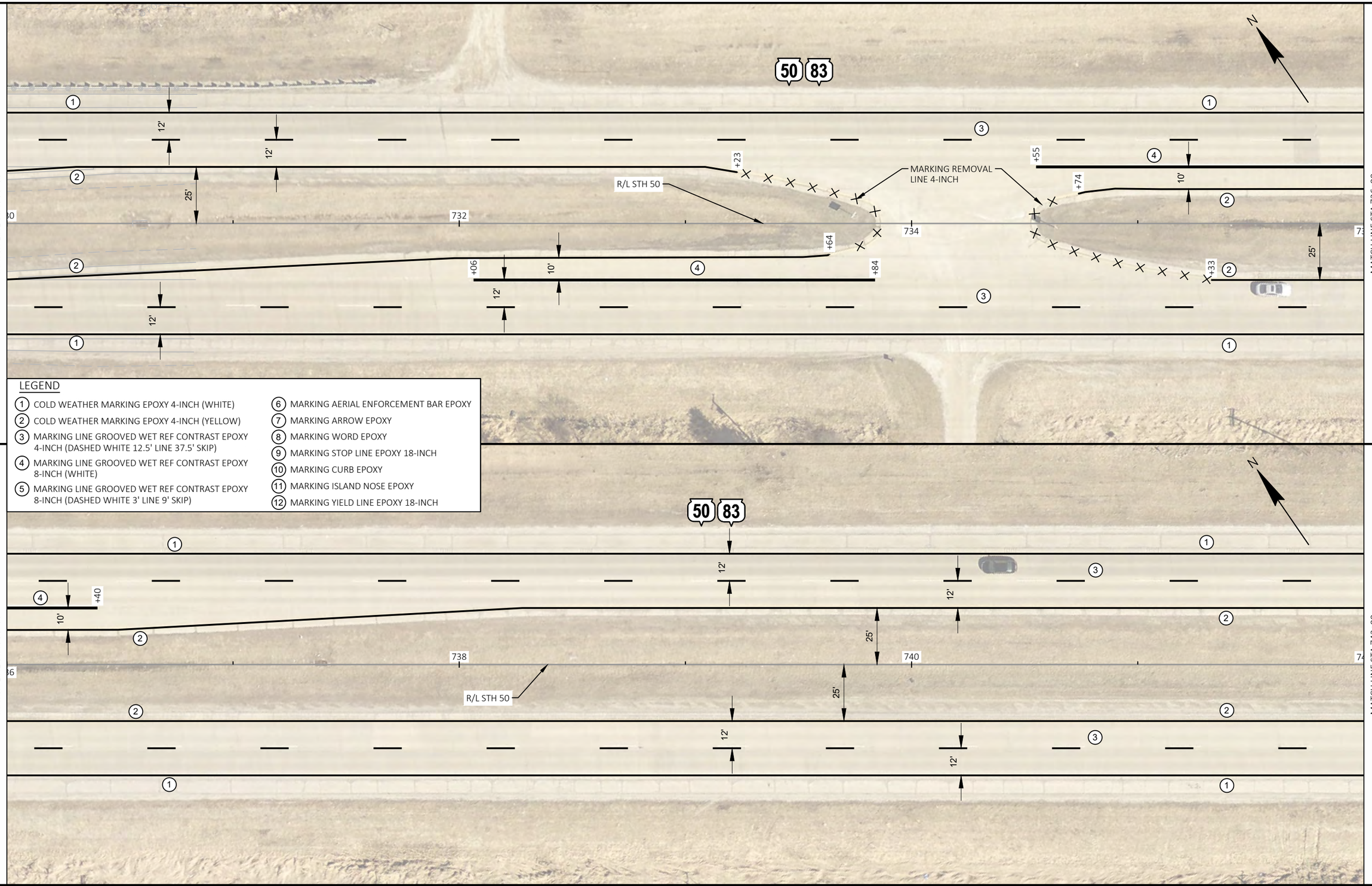
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 102	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm10
PLOT DATE : 11/1/2020 10:53 AM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 103	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm11

PLOT DATE : 11/1/2020 10:53 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 742+00

50 83

N

12'
12'
25'
25'
12'
12'

742 744 746

R/L STH 50

MATCH LINE STA 748+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 748+00

50 83

N

12'
12'
25'
25'
12'
12'

748 750 752

R/L STH 50

+56
+03
+45
+25
10'

MARKING REMOVAL LINE 4-INCH

+93
+10
+61
10'

MATCH LINE STA 754+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 104	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm12

PLOT DATE : 11/1/2020 10:54 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

50 83

N

MATCH LINE STA 754+00

MATCH LINE STA 760+00

MARKING REMOVAL LINE 4-INCH

R/L STH 50

756

758

762

764

+91

+65

+60

+11

+85

+16

+39

+74

+34

+62

12'

25'

PI: 756+14.41

FOX RIVER DR

FOX RIVER

W (SOUTH)

2 (DOUBLE)

9

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 105	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm13

PLOT DATE : 11/1/2020 10:54 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

(NORTH)

W

328TH AVE

50 83

MATCH LINE STA 766+00

MATCH LINE STA 772+00

MATCH LINE STA 772+00

MATCH LINE STA 778+00

(DOUBLE)

(TYPE 2)

MARKING REMOVAL LINE 4-INCH

R/L STH 50

MARKING REMOVAL LINE 4-INCH

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 106	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm14

PLOT DATE : 11/1/2020 10:54 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCH LINE STA 778+00

MATCH LINE STA 784+00

50 83

N

12'
12'
25'
R/L STH 50
780
782
25'
12'
12'
+56
12'
(TYPE 2)

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 784+00

MATCH LINE STA 790+00

50 83

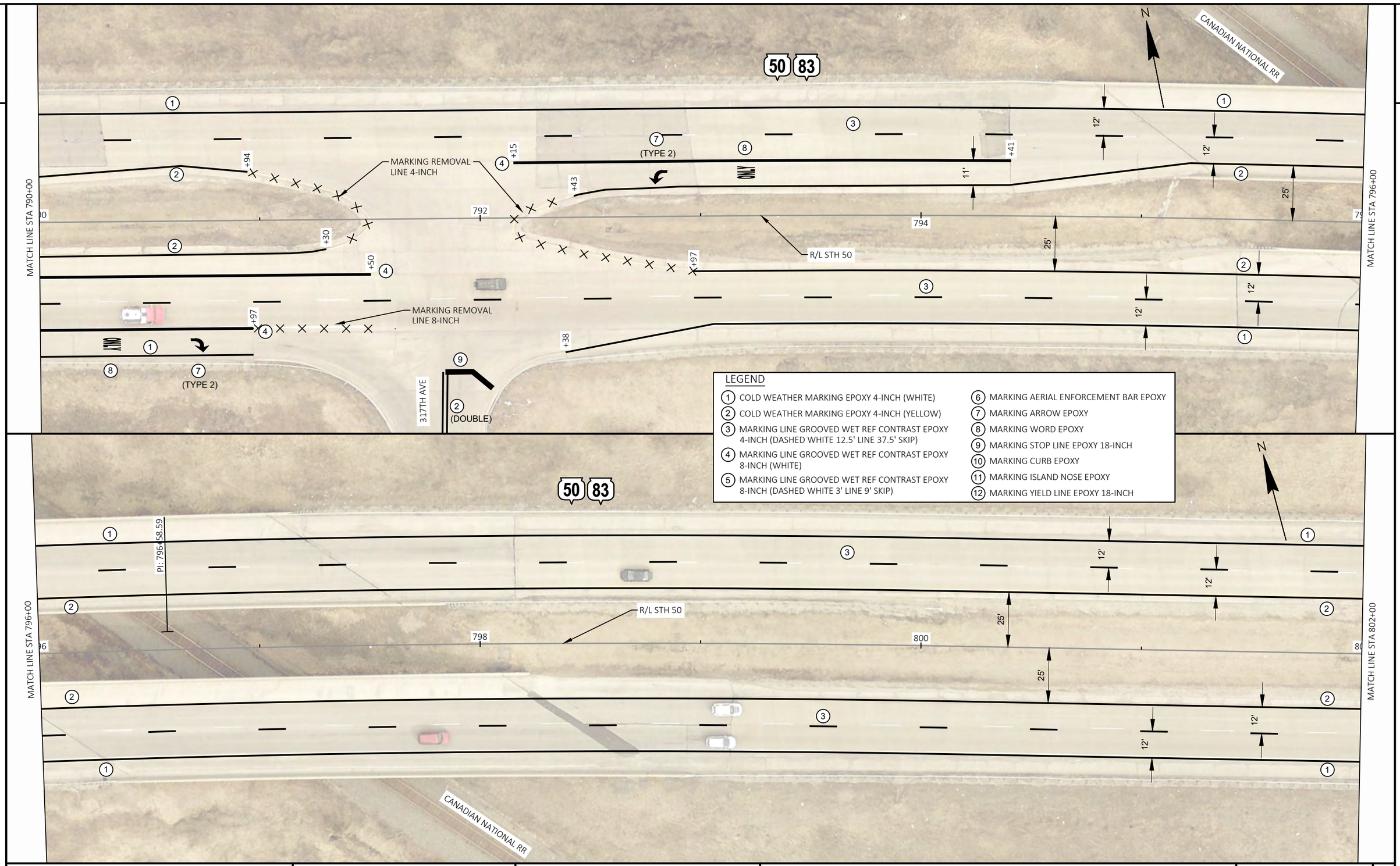
N

12'
12'
25'
+81
MARKING REMOVAL LINE 4-INCH
786
+23
+64
10'
12'
12'
+54
+47
ONLY
(TYPE 2)
R/L STH 50
788
+23
+60
11'
+97
+00
+79
+43
12'
(TYPE 2)
319TH AVE
(DOUBLE)

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 107	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - pm15

PLOT DATE : 11/1/2020 10:55 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

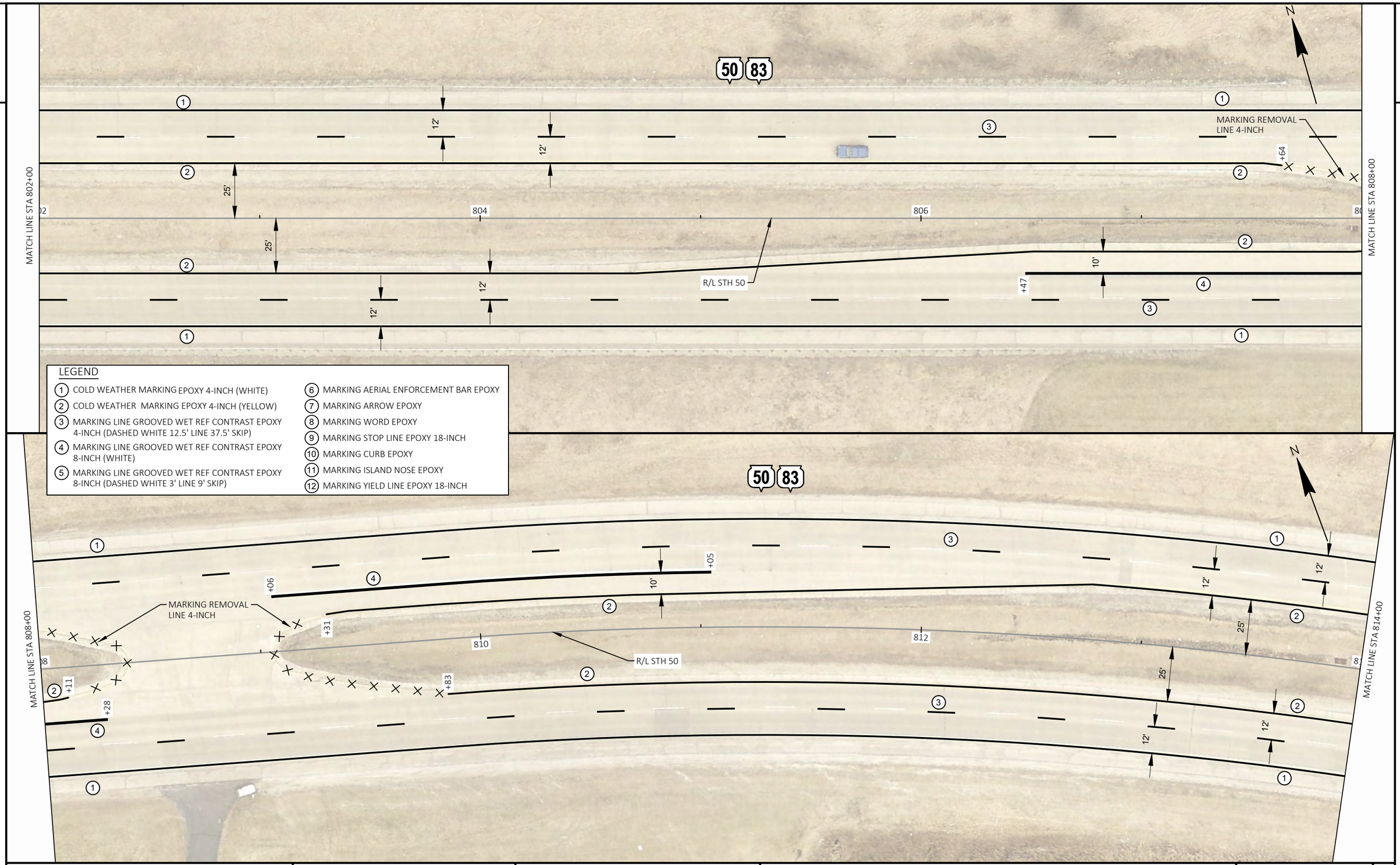


LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 108	E

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 109	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm17

PLOT DATE : 11/1/2020 11:46 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

50 83

N

MATCH LINE STA 814+00

816

818

R/L STH 50

MATCH LINE STA 820+00

12'

12'

25'

25'

12'

12'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

N

50 83

822

824

R/L STH 50

MARKING REMOVAL LINE 4-INCH

+88

+40

+75

+67

10'

12'

12'

25'

25'

MATCH LINE STA 826+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 110	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm18

PLOT DATE : 11/1/2020 11:46 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 826+00

MATCH LINE STA 832+00

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

50 83

N

+30 +42 +97 +06

826 828 830 832

10' 12' 12' 25' 12' 12' 12' 10'

+27

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 832+00

MATCH LINE STA 838+00

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

50 83

N

+04 +47 +68 +63 +88 +21 +84 +81 +34 +95 +62

832 834 836 838

12' 12' 25' 9' 12' 25' 10' 12'

7 (TYPE 2)

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 111	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm19

PLOT DATE : 11/1/2020 11:46 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

N

304TH AVE

50 83

MATCH LINE STA 838+00

MATCH LINE STA 844+00

MARKING REMOVAL LINE 4-INCH

R/L STH 50

(TYPE 2)

(DOUBLE)

840 842 846 848

+25 +30 +37 +48 +55 +58 +59 +72 +06

12' 25'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 112	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm20

PLOT DATE : 11/1/2020 11:46 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 850+00

MATCH LINE STA 856+00

MATCH LINE STA 856+00

MATCH LINE STA 862+00

50 83

N

12'

12'

25'

852

+04

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

854

+82

+80

10'

+03

10'

+09

+87

+67

12'

12'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 83

N

12'

12'

+76

10'

858

25'

860

R/L STH 50

25'

12'

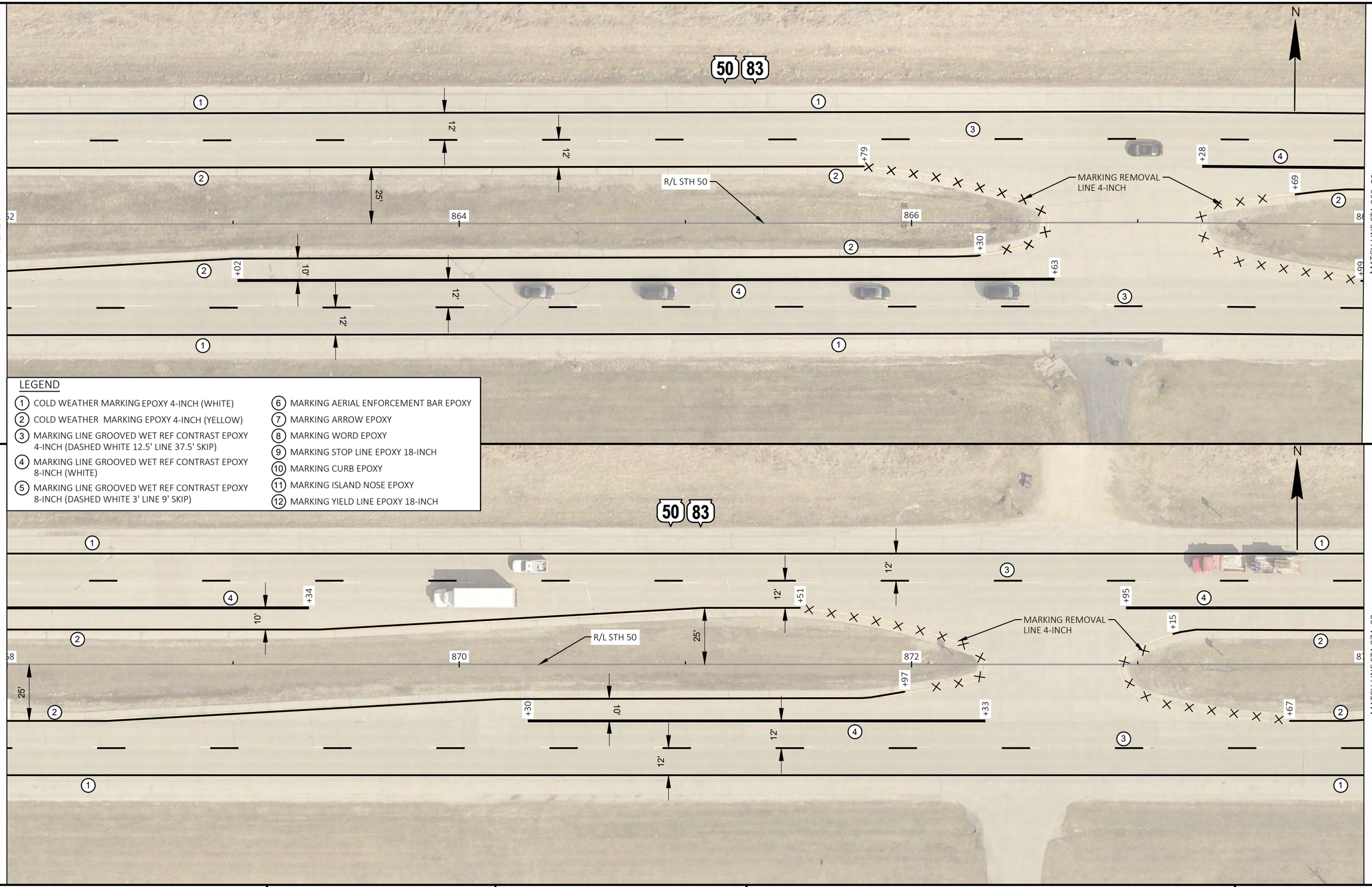
12'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 113	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm21

PLOT DATE : 11/1/2020 11:46 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 114	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm22
PLOT DATE : 11/1/2020 11:46 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE STA 874+00

MATCH LINE STA 880+00

50 83

N

MARKING REMOVAL LINE 4-INCH

R/L STH 50

874 876 878 880

+91 +54 +02 +41 +25 +94 +09 +72 +85

12' 10' 25'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 83

N

MATCH LINE STA 880+00

MATCH LINE STA 886+00

R/L STH 50

882 884

+13

12' 25' 10'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 115	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm23

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 886+00

MARKING REMOVAL LINE 4-INCH

R/L STH 50

(TYPE 2)

COLD WEATHER MARKING EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)

50 83

N

MATCH LINE STA 892+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

(DOUBLE)

288TH AVE

B

50 83

N

R/L STH 50

(TYPE 2)

COLD WEATHER MARKING EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP)

MATCH LINE STA 892+00

MATCH LINE STA 898+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 116	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm24

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

COLD WEATHER MARKING EPOXY
4-INCH (DASHED WHITE 3' LINE 9' SKIP)

MATCH LINE STA 898+00

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

MATCH LINE STA 904+00

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

MATCH LINE STA 904+00

MATCH LINE STA 910+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 117	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm25

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 910+00

50 83

N

MARKING REMOVAL LINE 4-INCH

R/L STH 50

912 914

MATCH LINE STA 916+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 83

MATCH LINE STA 916+00

R/L STH 50

918 920

MATCH LINE STA 922+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 118	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm26

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 922+00

MARKING REMOVAL LINE 4-INCH

R/L STH 50

MATCH LINE STA 928+00

MATCH LINE STA 928+00

R/L STH 50

MATCH LINE STA 934+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 119	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm27

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 934+00

50 83

N

12'

12'

25'

R/L STH 50

936

938

+49

MARKING REMOVAL
LINE 4-INCH

+20

+83

+68

25'

12'

12'

12'

MATCH LINE STA 940+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 940+00

50 83

N

+40

+13

+68

12'

942

944

+29

MARKING REMOVAL
LINE 4-INCH

25'

25'

+38

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

+56

+92

12'

12'

12'

MATCH LINE STA 946+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 120	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm28

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 946+00

MATCH LINE STA 952+00

50 83

N

948

950

12'

12'

25'

+64

+55

10'

+38

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

25'

12'

12'

MATCH LINE STA 952+00

MATCH LINE STA 958+00

50 83

N

954

956

12'

12'

25'

25'

12'

12'

+38

MARKING REMOVAL
LINE 4-INCH

+77

R/L STH 50

+78

+28

10'

+08

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 121	E

2

2

MATCH LINE STA 958+00

MATCH LINE STA 964+00

50 83

N

+06

+72

10'

+49

MARKING REMOVAL
LINE 4-INCH

960

962

R/L STH 50

12'

25'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 964+00

MATCH LINE STA 970+00

50 83

N

+34

+58

+28

10'

+64

966

968

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

+27

+69

+01

12'

25'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 122	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm30

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 970+00

MATCH LINE STA 976+00

MATCH LINE STA 976+00

MATCH LINE STA 982+00

N

50 83

265TH AVE

(DOUBLE)

(TYPE 2)

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

970

972

974

978

980

+48

+54

+78

+97

+18

+44

+23

+50

+95

+71

+14

+51

+73

+85

+23

+20

10'

12'

25'

11'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 123	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024502-PM.DWG
LAYOUT NAME - pm31

PLOT DATE : 11/1/2020 11:47 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 982+00

MATCH LINE STA 988+00

50 83

N

+20

+33

+58

+88

+99

+97

+80

+42

+92

+22

+24

+25

+32

+36

12'

13'

10'

25'

982

984

986

988

990

992

994

(TYPE 2)

ONLY

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

261ST AVE

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

BEGIN EXCEPTION TO NET CENTERLINE
STA 994+20.64

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 124	E

2

END EXCEPTION TO NET CENTERLINE
STA 1068+21.42

50 75TH ST

1066 1068 1070

R/L STH 50

+18 +22 +18 +21

12' 14' 12' 12'

MATCH LINE STA 1071+00

N

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

+78 +79

12' 22' 22' 12' 10' +63

1072 1074 1076

R/L STH 50

MATCH LINE STA 1071+00

MATCH LINE STA 1077+00

N

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 125	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm33

PLOT DATE : 11/1/2020 12:34 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1077+00

MATCH LINE STA 1083+00

50 75TH ST

N

12'

10'

+63

+96

+23

+87

+11

+75

+58

1078

1080

1082

1084

1086

1088

25'

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

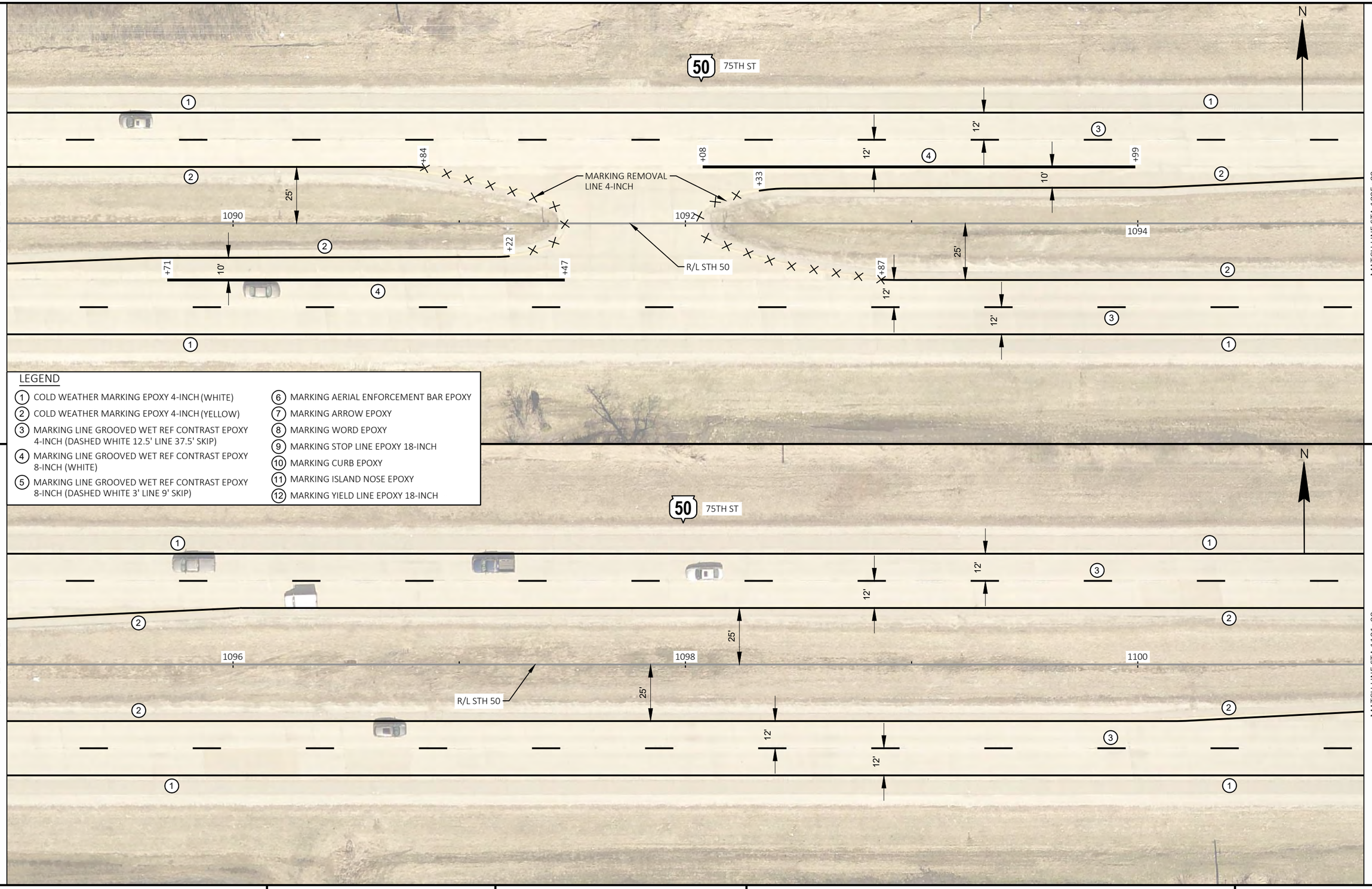
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 126	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm34

PLOT DATE : 11/1/2020 12:34 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 127	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm35
PLOT DATE : 11/1/2020 12:34 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1101+00

MATCH LINE STA 1107+00

50 75TH ST

N

MARKING REMOVAL LINE 4-INCH

R/L STH 50

1102 1104 1106

1108 1110 1112

12' 10' 25'

+17 +28 +39 +62 +78 +93 +00 +37 +86 +32 +64 +77

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 128	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm36

PLOT DATE : 11/1/2020 12:34 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1113+00

50 75TH ST

N

1

2

3

4

+25

+53

+06

+97

12'

10'

25'

1114

1116

1118

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

MATCH LINE STA 1119+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

+48

+83

+10

+39

+91

+21

+62

1120

1122

1124

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

MATCH LINE STA 1125+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 129	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm37

PLOT DATE : 11/1/2020 12:34 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1125+00

MATCH LINE STA 1131+00

50 75TH ST

N

MARKING REMOVAL LINE 4-INCH

R/L STH 50

1126 1128 1130

+42 +03 +44 +94 +75 +96 +36

10' 12' 25'

(TYPE 2)

216TH AVE

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 1131+00

50 75TH ST

N

+43 +84 +89 +20 +68

11' 12'

1132 1134 1136

MARKING REMOVAL LINE 4-INCH

MARKING REMOVAL LINE WIDE

R/L STH 50

216TH AVE

SALEM BRANCH

MATCH LINE STA 1137+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 130	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm38

PLOT DATE : 11/1/2020 12:34 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1137+00

50 75TH ST

N

1138 1140 1142

R/L STH 50

12' 12' 12' 12' 25' 25' 10' 90+

MATCH LINE STA 1143+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 1143+00

50 75TH ST

N

+09 +52 +11 +59 +80 +90 +32

1144 1146 1148

MARKING REMOVAL LINE 4-INCH

R/L STH 50

12' 12' 12' 12' 10' 25'

MATCH LINE STA 1149+00

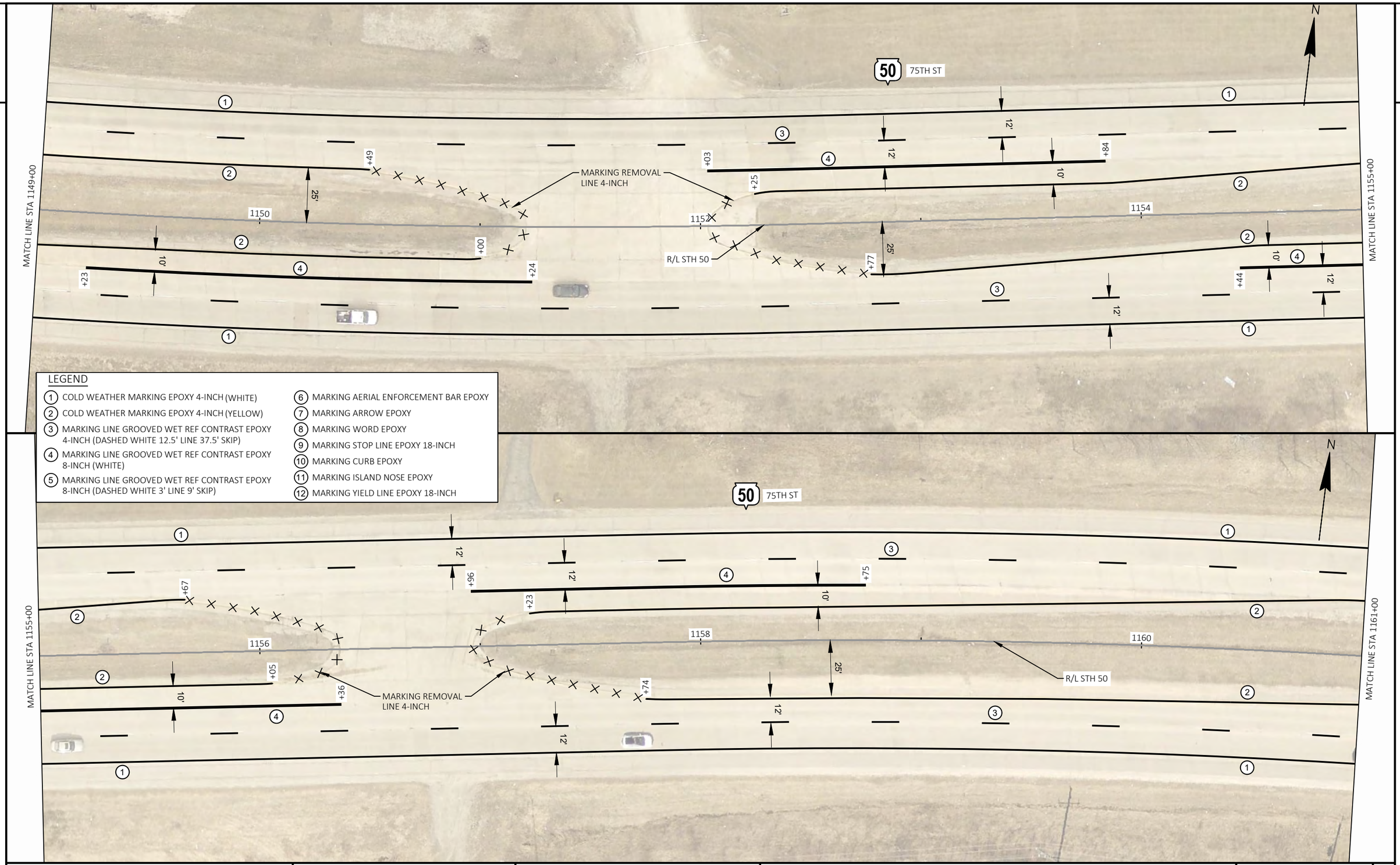
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 131	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm39

PLOT DATE : 11/1/2020 12:34 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 132	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm40
PLOT DATE : 11/1/2020 12:35 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

2

2

50 75TH ST

N

MATCH LINE STA 1161+00

MATCH LINE STA 1167+00

1162

1164

1166

+41

+80

+40

+16

+16

+52

+87

+82

25'

10'

12'

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

MATCH LINE STA 1167+00

MATCH LINE STA 1173+00

1168

1170

1172

+11

+58

+89

+04

25'

10'

12'

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 133	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm41

PLOT DATE : 11/1/2020 12:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1173+00

75TH ST

N

+19

+49

+96

1174

1176

1178

12'

10'

+14

25'

R/L STH 50

50

MARKING REMOVAL
LINE 4-INCH

+16

MATCH LINE STA 1179+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 1179+00

50 75TH ST

N

+20

+52

+31

+82

+57

+91

+86

+17

1180

1182

1184

MARKING REMOVAL
LINE 4-INCH

MARKING REMOVAL
LINE 4-INCH

MATCH LINE STA 1185+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 134	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm42

PLOT DATE : 11/1/2020 12:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1185+00

MATCH LINE STA 1191+00

2

N

50 75TH ST

MARKING REMOVAL LINE 4-INCH

R/L STH 50

(TYPE 2)

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

45 200TH AVE/ BRISTOL RD

RIGHT TURN LANE RECONSTRUCTED IN 2020. ORTHO NOT REFLECTIVE OF CURRENT CONFIGURATION.

MATCH LINE STA 1191+00

MATCH LINE STA 1197+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 135	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm43

PLOT DATE : 11/1/2020 12:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1197+00

50 75TH ST

+00

+41

+01

12'

7 (TYPE 2)

1198

1200

R/L STH 50

1202

+81

MARKING REMOVAL LINE 4-INCH

25'

+26

+83

10'

+52

N

MATCH LINE STA 1203+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 1203+00

50 75TH ST

+69

+52

+38

10'

+85

1204

1206

1208

25'

MARKING REMOVAL LINE 4-INCH

+31

R/L STH 50

N

MATCH LINE STA 1209+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 136	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm44

PLOT DATE : 11/1/2020 12:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1209+00

MARKING REMOVAL LINE 4-INCH

R/L STH 50

50 75TH ST

1210 1212 1214

+27 +31 +79 +97 +40 +18 +64 +12 +98 +45 +57

25' 10' 12'

MATCH LINE STA 1215+00

N

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

1216 1218 1220

+45 +84 +22 +59

MARKING REMOVAL LINE 4-INCH

R/L STH 50

25' 10' 12'

MATCH LINE STA 1221+00

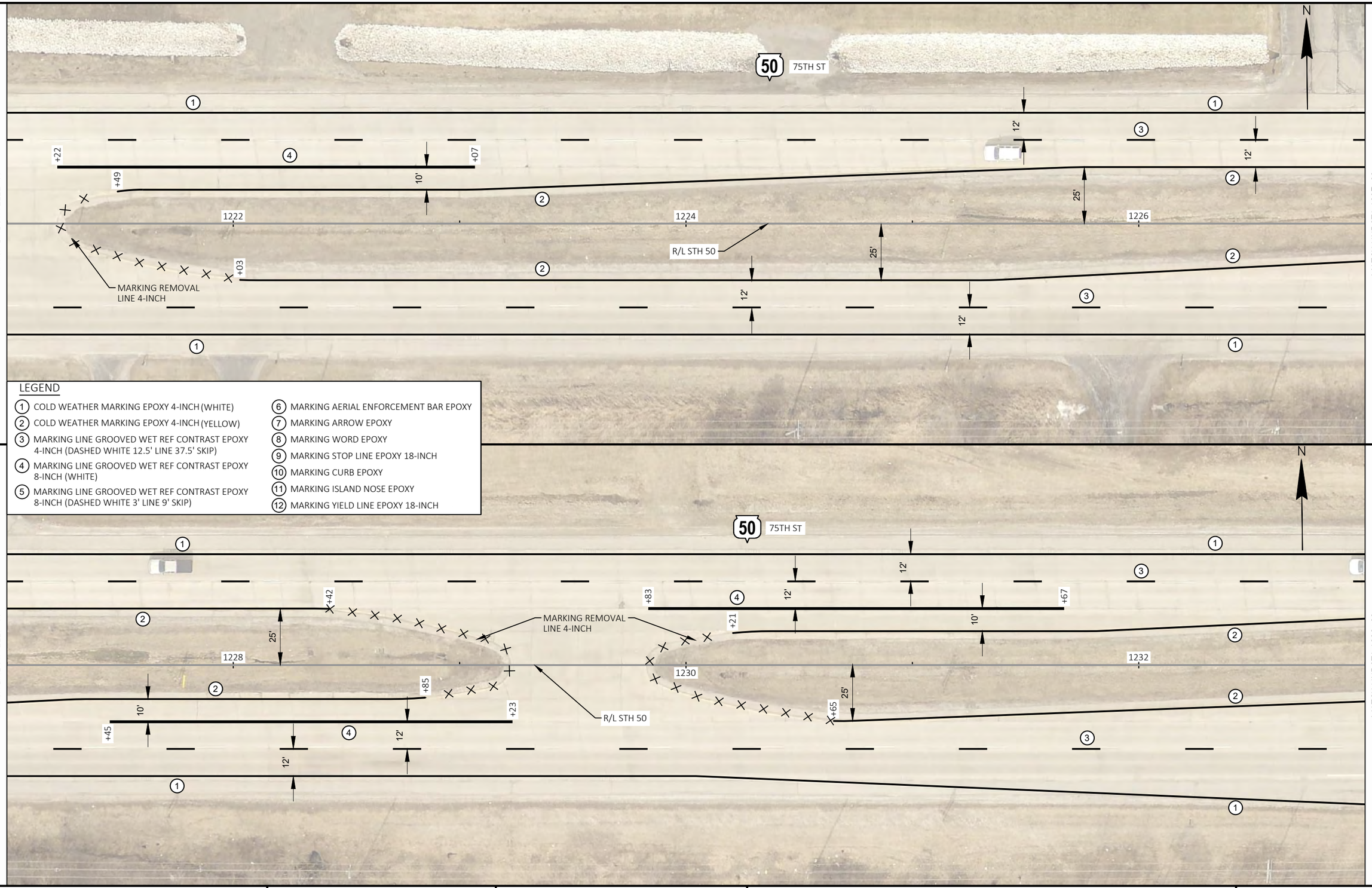
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 137	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm45

PLOT DATE : 11/1/2020 12:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 138	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024503-PM.DWG
LAYOUT NAME - pm46

PLOT DATE : 11/1/2020 12:35 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

MARKING REMOVAL LINE WIDE

(2) (DOUBLE)

184TH AVE

D

(9)

N

50 75TH ST

(1)

+35

+14

(7) (TYPE 2)

(8)

+51

(4)

MATCH LINE STA 1233+00

(1)

12'

12'

(3)

+08

+52

(4)

MARKING REMOVAL LINE 4-INCH

+89

(7) (TYPE 2)

(8)

(7) (TYPE 2)

(2)

(2)

25'

1234

1236

1238

+45

+84

R/L STH 50

25'

+32

(2)

+47

12'

(8)

(7) (TYPE 2)

(TYPE 2) (7)

(4)

12'

12'

(3)

+41

+70

14'

(7) (TYPE 2)

(4)

(8)

(7) (TYPE 2)

+09

(1)

+17

(1)

(9)

D

184TH AVE

(2) (DOUBLE)

MATCH LINE STA 1239+00

MATCH LINE STA 1239+00

LEGEND

(1) COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
(2) COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
(3) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
(4) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
(5) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
(6) MARKING AERIAL ENFORCEMENT BAR EPOXY
(7) MARKING ARROW EPOXY
(8) MARKING WORD EPOXY
(9) MARKING STOP LINE EPOXY 18-INCH
(10) MARKING CURB EPOXY
(11) MARKING ISLAND NOSE EPOXY
(12) MARKING YIELD LINE EPOXY 18-INCH

N

50 75TH ST

(7) (TYPE 2)

(1)

(1)

(4)

(3)

12'

12'

+20

+05

+43

(4)

10'

+76

(2)

MARKING REMOVAL LINE 4-INCH

(2)

1240

1242

1244

+42

R/L STH 50

25'

+20

(2)

10'

+83

+98

(4)

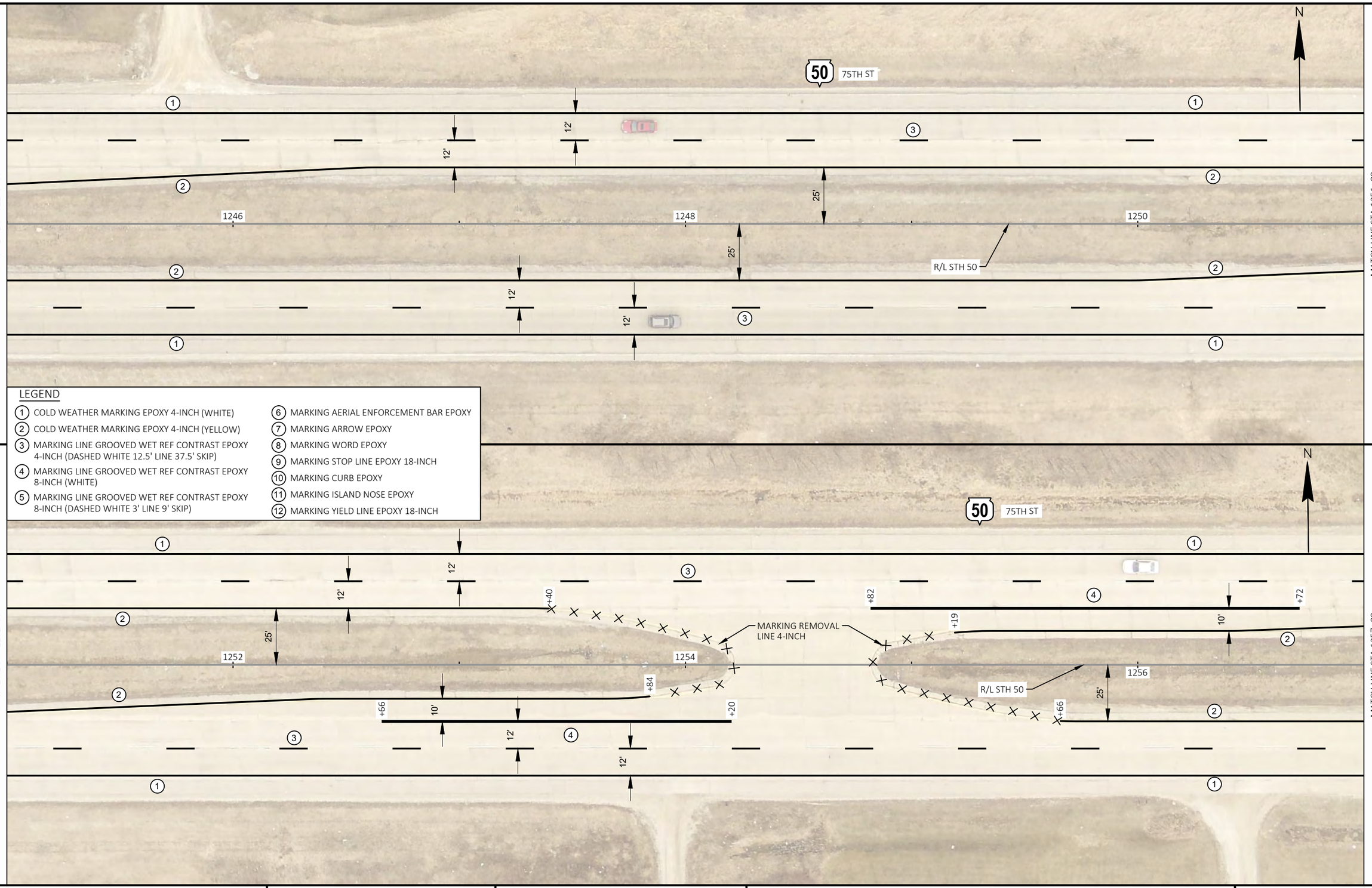
12'

(3)

12'

(1)

(1)



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 140	E

2

MATCH LINE STA 1257+00

50 75TH ST

N

12'

12'

12'

12'

25'

1258

1260

1262

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

+68

+18

+78

+51

10'

25'

MATCH LINE STA 1263+00

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

12'

12'

12'

12'

+12

+55

+45

10'

25'

1264

1266

1268

25'

+96

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

MATCH LINE STA 1263+00

MATCH LINE STA 1269+00

DES PLAINES RIVER

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 141	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm49

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1269+00

50 75TH ST

N

1270

1272

1274

25'

12'

12'

12'

25'

10'

+78

+88

R/L STH 50

MATCH LINE STA 1275+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

MATCH LINE STA 1275+00

+31

+01

+55

10'

12'

12'

25'

1276

1278

1280

25'

12'

12'

+39

+70

+13

10'

MARKING REMOVAL LINE 4-INCH

R/L STH 50

MATCH LINE STA 1281+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 142	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm50

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1281+00

50 75TH ST

N

1282 1284 1286

R/L STH 50

25' 25' 12' 12' 12' 12'

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 1287+00

50 75TH ST

N

1288 1290 1292

MARKING REMOVAL LINE 4-INCH

R/L STH 50

+65 +05 +52 +36 +34 +67 +09 +11

25' 25' 10' 10' 12' 12' 12' 12'

MATCH LINE STA 1287+00

MATCH LINE STA 1293+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 143	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm51

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

50 75TH ST

N

MATCH LINE STA 1293+00

1294 1296 1298

12' 12' 25' 25' 12' 12' 10'

+91 +73

R/L STH 50

MATCH LINE STA 1299+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

MATCH LINE STA 1299+00

MARKING REMOVAL LINE 4-INCH

1300 1302 1304

+77 +99 +38 +40 +65 +52

12' 12' 12' 12' 10' 10' 25' 26'

R/L STH 50

MATCH LINE STA 1305+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 144	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm52

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1305+00

MATCH LINE STA 1311+00

N

50 75TH ST

MARKING REMOVAL LINE 4-INCH

R/L STH 50

1306 1308 1310

1312 1314 1316

+62 +04 +77 +33 +13 +44 +82 +15 +43 +84 +71 +80 +07 +59 +57

25' 10' 12'

(7) (TYPE 2)

(8)

MB (SOUTH)

160TH AVE

(9) (2) (DOUBLE)

MATCH LINE STA 1311+00

MATCH LINE STA 1317+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 145	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm53

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1317+00

MATCH LINE STA 1323+00

50 75TH ST

N

(1) (TYPE 2) (8) (7) (TYPE 2)

+49

12'

1318

1320

1322

25'

R/L STH 50

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

(2) (DOUBLE)

156TH AVE

NORTH)

MB

+68

+95

+38

+82

MARKING REMOVAL LINE 4-INCH

1324

1326

1328

+77

+16

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 146	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm54

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1329+00

MATCH LINE STA 1335+00

MATCH LINE STA 1335+00

MATCH LINE STA 1341+00

50 75TH ST

N

(7) (TYPE 2) (8) ONLY

(7) (TYPE 2)

+50 +76 +61 +12 +54 +38 +91 +19 +79 +05 +57 +53

12' 10' 25'

1330 1332 1334

R/L STH 50

MARKING REMOVAL LINE 4-INCH

MARKING REMOVAL LINE 4-INCH

50 75TH ST

N

+44 +71 +69

12' 10' 25'

1336 1338 1340

R/L STH 50

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 147	E

2

2

MATCH LINE STA 1341+00

MATCH LINE STA 1347+00

50 75TH ST

N

KENOSHA BOWMEN DR

MARKING REMOVAL LINE 4-INCH

R/L STH 50

1342 1344 1346

1348 1350 1352

12' 25' 10'

+14 +39 +81 +21 +52 +00 +59 +98 +03 +68 +37

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 148	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm56

PLOT DATE : 11/1/2020 12:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

ROOT RIVER

50 75TH ST

N

MATCH LINE STA 1353+00

+62

+20

10'

1354

1356

1358

25'

+77

MARKING REMOVAL
LINE 4-INCH

R/L STH 50

12'

12'

25'

25'

12'

12'

MATCH LINE STA 1359+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

MATCH LINE STA 1359+00

1360

1362

1364

25'

R/L STH 50

+01

11'

7 (TYPE 2)

12'

12'

12'

MATCH LINE STA 1365+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 149	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm57

PLOT DATE : 11/1/2020 12:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 1365+00

MARKING REMOVAL LINE WIDE

MARKING REMOVAL LINE 4-INCH

144TH AVE

6' TYP

MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (TYP)

50 75TH ST

(TYPE 2)

ONLY

R/L STH 50

(DOUBLE)

MATCH LINE STA 1371+00

MATCH LINE STA 1377+00

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 150	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm58

PLOT DATE : 11/1/2020 12:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MATCH LINE STA 1377+00

MATCH LINE STA 1383+00

50 75TH ST

N

R/L STH 50

MARKING REMOVAL LINE 4-INCH

1378 1380 1382

1384 1386 1388

+12 +59 +88 +09 +54 +81 +30 +57 +21 +56 +66

10' 12' 25'

(TYPE 2)

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 151	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm59

PLOT DATE : 11/1/2020 12:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1389+00

MATCH LINE STA 1395+00

50 75TH ST

N

R/L STH 50

1390

1392

1394

25'

12'

10'

+40

+83

+09

+98

+21

+60

+65

MARKING REMOVAL
LINE 4-INCH

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

MATCH LINE STA 1395+00

MATCH LINE STA 1401+00

50 75TH ST

N

1396

1398

1400

25'

12'

10'

+62

+28

+80

+62

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 152	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm60

PLOT DATE : 11/1/2020 12:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1401+00

MATCH LINE STA 1407+00

50 75TH ST

N

1

3

+79

+55

12'

12'

4

+20

10'

2

25'

1402

1404

1406

MARKING REMOVAL
LINE 4-INCH

+53

R/L STH 50

12'

12'

3

1

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50 75TH ST

N

MATCH LINE STA 1407+00

MATCH LINE STA 1413+00

1

3

12'

12'

2

25'

1408

1410

1412

25'

R/L STH 50

2

12'

12'

3

+72

4

7 (TYPE 2)

12'

1

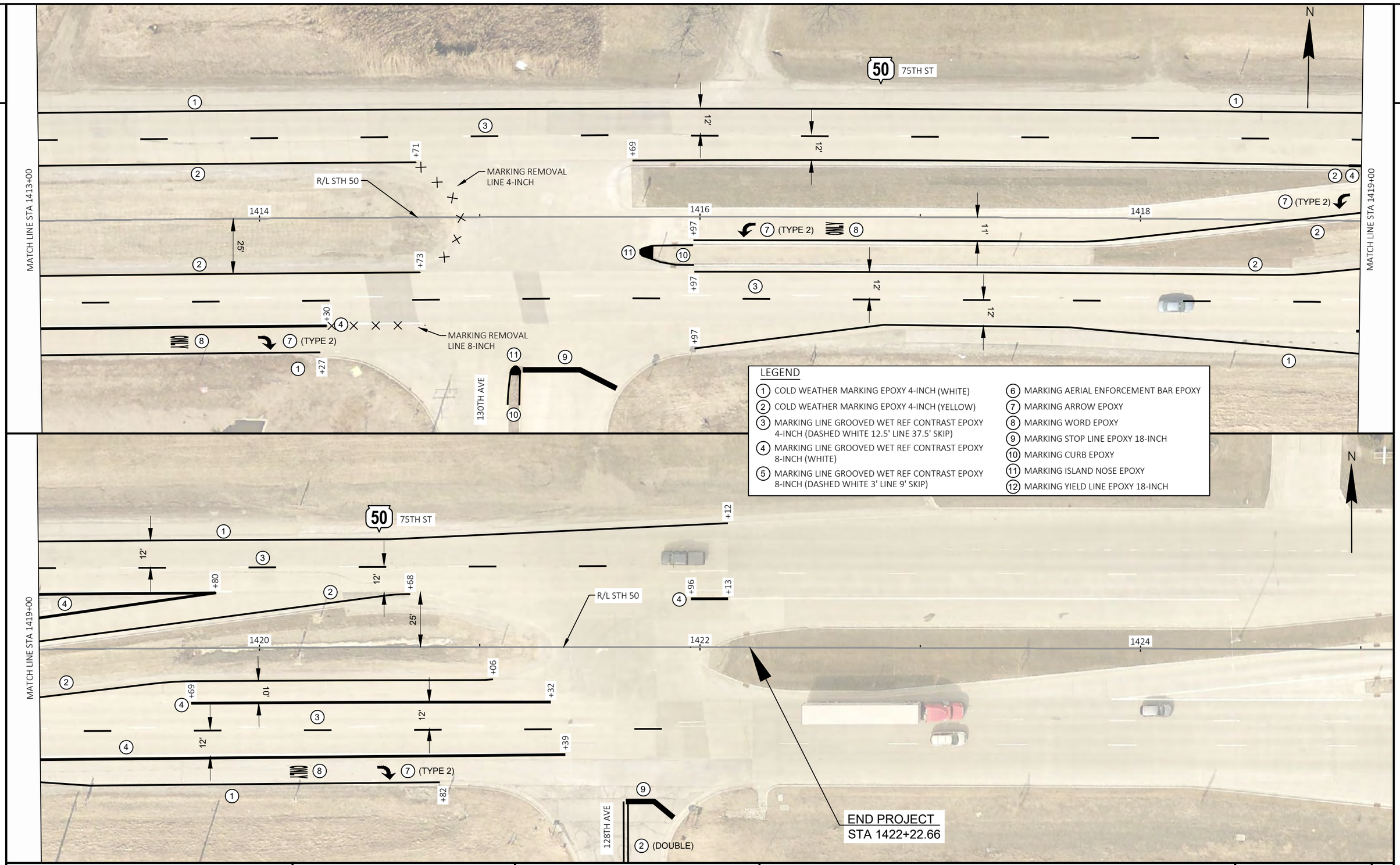
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 153	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024504-PM.DWG
LAYOUT NAME - pm61

PLOT DATE : 11/1/2020 12:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 154	E

2

2

N

100'

KD

1

2 (DOUBLE)

352ND AVE

9

1

50

4

4

1

5

3

999

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

+38

4

4

1

1

4

4

2

2

1

3

7
(TYPE 2)

10

9

11

3

9

100'

O

2 (DOUBLE)

368TH AVE

9

R/L STH 50

BEGIN PROJECT
STA 612+78.95

50

N

1

KD

9

2 (DOUBLE)

352ND AVE

1

100'

O

9

2 (DOUBLE)

368TH AVE

100'

50

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 155	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024505-PM.DWG
LAYOUT NAME - CTH O-CTH KD

PLOT DATE : 11/2/2020 7:59 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50
83

R/L STH 50

774

760

MARKING REMOVAL LINE 4-INCH

115'

W (SOUTH)

(DOUBLE)

FOX RIVER DR

118'

158'

286'

(DOUBLE)

(TYPE 2)

(TYPE 2)

(TYPE 2)

(TYPE 2)

9'

14'

203'

R/L STH 50

MARKING REMOVAL LINE WIDE

718

(DOUBLE)

GENEVA RD

134'

(TYPE 2)

(TYPE 2)

N

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 156	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024505-PM.DWG
LAYOUT NAME - STH 83-CTH W S

PLOT DATE : 11/2/2020 7:59 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

319TH AVE

(2) (DOUBLE)

100'

+50

+23

N

(7) (TYPE 2)

792

317TH AVE

MARKING REMOVAL
LINE 8-INCH

50
83

W (NORTH)

61'

328TH AVE

+61

+99

ONLY

LEGEND

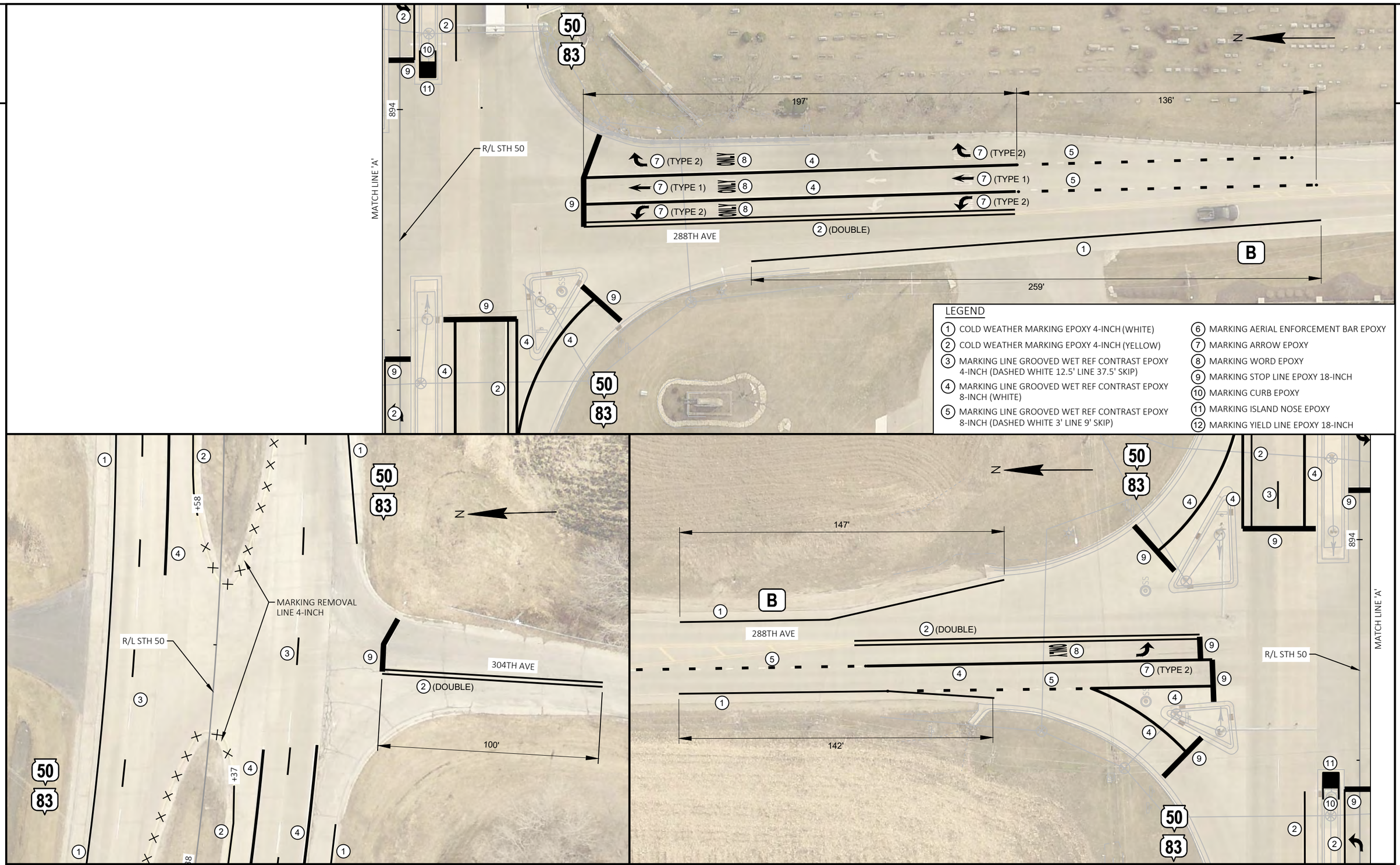
1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 157	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024505-PM.DWG
LAYOUT NAME - CTH W N-319TH-317TH

PLOT DATE : 11/2/2020 7:59 AM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 158	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024506-PM.DWG
LAYOUT NAME - 304TH-CTH B

PLOT DATE : 11/1/2020 1:18 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PI: 982+57.40

+58

982

+14

R/L STH 50

MARKING REMOVAL LINE 4-INCH

261ST AVE

100'

(DOUBLE)

(TYPE 2)

50
83

N

25'

12'

265TH AVE

100'

(DOUBLE)

R/L STH 50

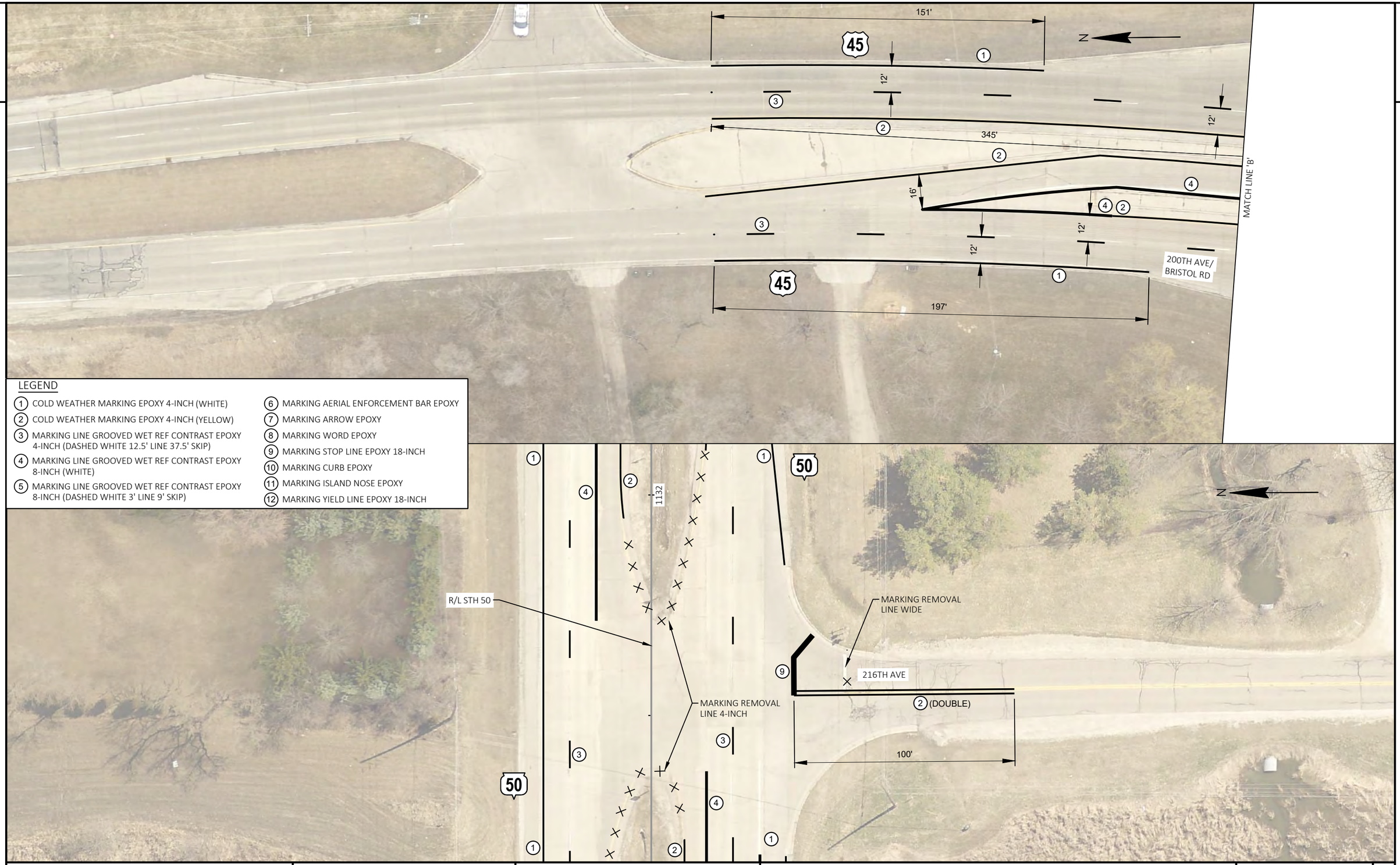
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 159	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024506-PM.DWG
LAYOUT NAME - 265TH-261ST

PLOT DATE : 11/1/2020 1:18 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2



LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 160	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024507-PM.DWG
LAYOUT NAME - 216TH - US 45

PLOT DATE : 11/1/2020 1:23 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

(TYPE 2) 12' 345' 12' 1194 ONLY 104' 90' 12' 141' 12' 302' 15' 12' 32' 56' 1192 (TYPE 2) (TYPE 2) (TYPE 2) 12' 12'

MATCH LINE 'B'

200TH AVE/ BRISTOL RD

200TH AVE/ BRISTOL RD

R/L STH 50

RIGHT TURN LANE RECONSTRUCTED IN 2020. ORTHO NOT REFLECTIVE OF CURRENT CONFIGURATION.

50 45 45 50

N

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 161	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024507-PM.DWG
LAYOUT NAME - US 45

PLOT DATE : 11/1/2020 1:23 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

50

+59

1316

MARKING REMOVAL LINE 4-INCH

MB

(SOUTH)

2 (DOUBLE)

160TH AVE

100'

R/L STH 50

50

+15

N

50

+89

1236

MARKING REMOVAL LINE 4-INCH

100'

D

184TH AVE

2 (DOUBLE)

MARKING REMOVAL LINE WIDE

R/L STH 50

50

+45

N

D

2 (DOUBLE)

184TH AVE

142'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 162	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024508-PM.DWG
LAYOUT NAME - CTH D-CTH MB

PLOT DATE : 11/1/2020 1:28 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

MARKING CROSSING EPOXY TRANSVERSE LINE 6-INCH (TYP)

144TH AVE

96'

6' TYP

118'

MARKING REMOVAL LINE 4-INCH

R/L STH 50

(TYPE 2)

(TYPE 2)

(TYPE 2)

2 (DOUBLE)

144TH AVE

100'

1368

112

1328

+68

50

MB

(NORTH)

100'

156TH AVE

2 (DOUBLE)

MARKING REMOVAL LINE 4-INCH

R/L STH 50

N

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 163 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024508-PM.DWG
LAYOUT NAME - CTH MB-144TH

PLOT DATE : 11/1/2020 1:28 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

2

2

END PROJECT
STA 1422+22.66

50

N

1422

1416

128TH AVE

100'

12'

(DOUBLE)

130TH AVE

R/L STH 50

MARKING REMOVAL
LINE 4-INCH

MARKING REMOVAL
LINE 8-INCH

LEGEND

1. COLD WEATHER MARKING EPOXY 4-INCH (WHITE)
2. COLD WEATHER MARKING EPOXY 4-INCH (YELLOW)
3. MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP)
4. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
5. MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP)
6. MARKING AERIAL ENFORCEMENT BAR EPOXY
7. MARKING ARROW EPOXY
8. MARKING WORD EPOXY
9. MARKING STOP LINE EPOXY 18-INCH
10. MARKING CURB EPOXY
11. MARKING ISLAND NOSE EPOXY
12. MARKING YIELD LINE EPOXY 18-INCH

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING	SHEET 164	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\024508-PM.DWG
LAYOUT NAME - 130TH-128TH

PLOT DATE : 11/1/2020 1:29 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

GENERAL NOTES FOR TRAFFIC CONTROL

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

A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER.

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

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

FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE "C" STEADY BURN WARNING LIGHT.

ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED AND BE EQUIPPED WITH TWO TYPE "A" LOW INTENSITY FLASHING LIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROWBOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROWBOARD AND LANE CLOSURE DRUMS FOR A MINIMUM OF 500' IN FRONT OF THE DRUMS.

ALL SHORT TERM LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL ARROWBOARDS AND DEVICES REMOVED BEYOND THE SHOULDER WHEN THE WORK IS NOT IN PROGRESS AND THE ROADWAY IS RESTORED TO A SAFE OPERATING CONDITION.

USE TEMPORARY MARKING REMOVABLE TAPE FOR ALL TEMPORARY MARKING PLACED ON FINISHED CONCRETE SURFACES.

UTILIZE FLAGGERS AT INTERSECTIONS DURING DIAMOND GRINDING OPERATIONS.

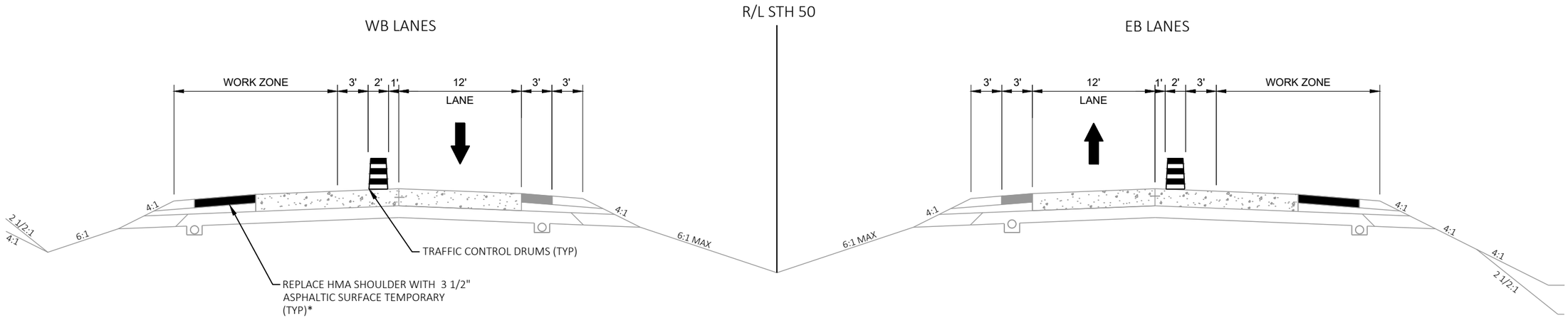
LEGEND

- TYPE III BARRICADE WITH TWO TYPE "A" LIGHTS
- TYPE III BARRICADE WTH ATTACHED SIGN AND TWO TYPE "A" LIGHTS
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C LIGHT
- FLASHING ARROW BOARD
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- DELINEATOR FLEXIBLE/TUBULAR MARKER
- Ⓐ TYPE A WARNING LIGHT (FLASHING)
- Ⓑ TYPE B WARNING LIGHT (HIGH INTENSITY FLASHING)
- Ⓒ TYPE C WARNING LIGHT (STEADY BURN)
- TRAFFIC CONTROL COVERING SIGNS TYPE II
- WORK AREA
- DIRECTION OF TRAFFIC

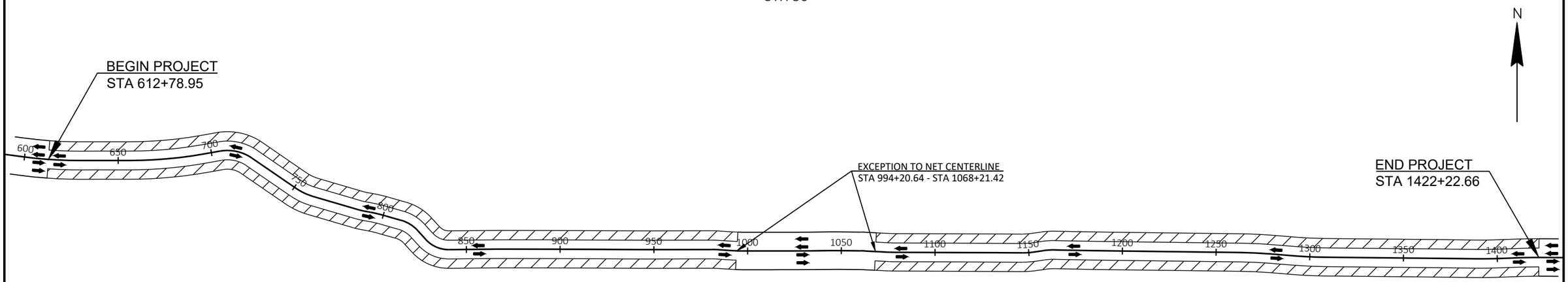
NON-STANDARD WORK ZONE TRAFFIC CONTROL SYMBOLS

- (W) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (WP) TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- (Y) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (Y2) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- (YP) TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- (W2) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (D) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (DASHED WHITE 3' LINE 9' GAP)
- (S) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)

2



STAGE 1 TYPICAL SECTION
STH 50



STAGE 1 CONSTRUCTION

- CONSTRUCTION ENGINEER TO IDENTIFY AND DETERMINE SUBSTANDARD HMA PAVEMENT SECTIONS WITHIN THE OUTSIDE SHOULDERS ONLY.*
- REMOVE IDENTIFIED AREAS WITH 3.5" OF EXCAVATION COMMON.
- CONSTRUCT EXPOSED AREAS WITH 3.5" OF ASPHALTIC SURFACE TEMPORARY.

STAGE 1 TRAFFIC

- TRAFFIC REDUCED TO ONE LANE IN EACH DIRECTION THROUGH THE WORK ZONE, UTILIZING THE INSIDE LANE.
- USE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY FOR TRAFFIC CONTROL SIGNAGE AND DEVICES PRIOR TO ENTRY POINTS INTO THE WORK ZONE.
- USE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE FOR TRAFFIC CONTROL SIGNAGE AND DEVICES AT THE INTERSECTIONS FOR THE OUTSIDE LANE CLOSURE.

NOTE

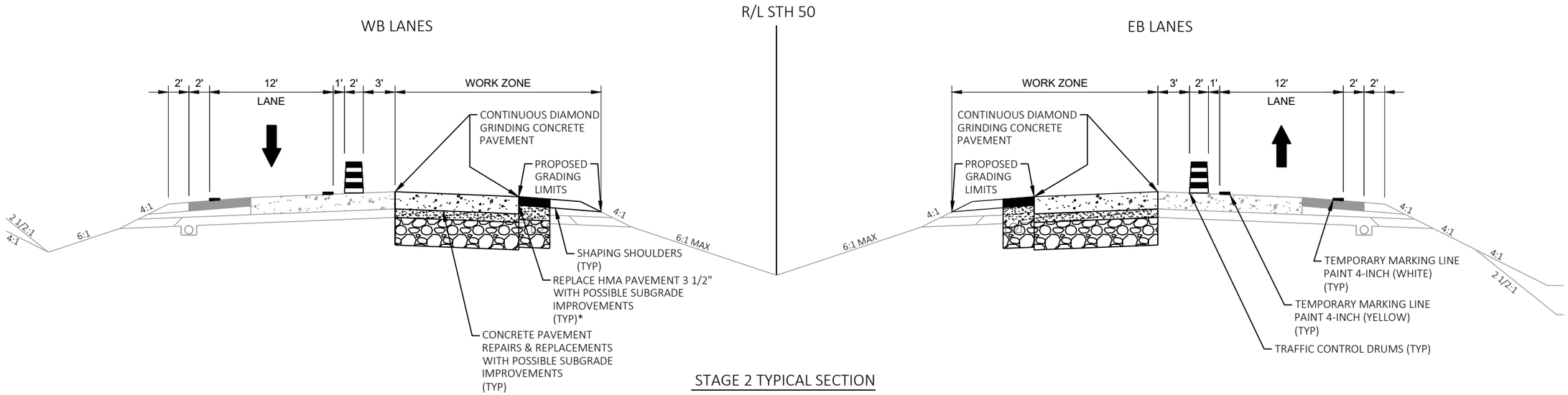
* CONSTRUCTION ENGINEER TO LOCATE AND IDENTIFY HMA TO BE REPLACED.

WORK ZONE

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 1 TYPICAL SECTION AND OVERVIEW	SHEET 166	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026100-TCS1OVERVIEW.DWG
LAYOUT NAME - 026100-TCs1Overview
PLOT DATE : 11/1/2020 9:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:1 MI
WISDOT/CADDS SHEET 42

2



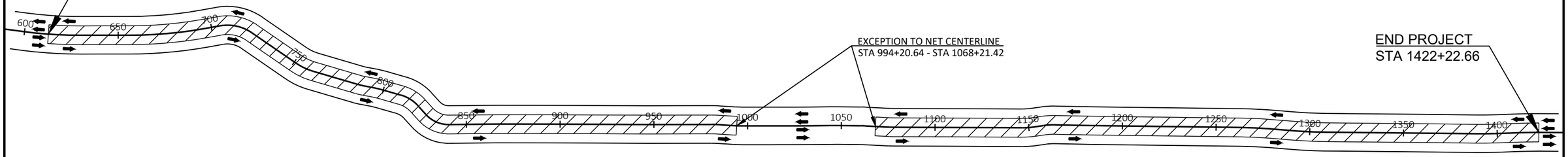
STAGE 2 TYPICAL SECTION
STH 50

N

BEGIN PROJECT
STA 612+78.95

EXCEPTION TO NET CENTERLINE
STA 994+20.64 - STA 1068+21.42

END PROJECT
STA 1422+22.66



STAGE 2 CONSTRUCTION

- CONCRETE PAVEMENT REPAIRS AND REPLACEMENTS AT THE LOCATIONS IDENTIFIED IN THE PLANS. CONSTRUCTION ENGINEER TO DETERMINE IF SUBGRADE IMPROVEMENT IS NEEDED.
- CONTINUOUS DIAMOND GRIND CONCRETE PAVEMENT CONSTRUCT OUTSIDE LANES AND INTERSECTIONS WITH CONCRETE SURFACES.
- REPLACE INSIDE SHOULDERS WITH 3 1/2" HMA PAVEMENT. PAVED SHOULDER WIDTH TO BE WIDENED FROM 3' TO 5' AT AREAS SHOWN IN PLANS.* CONSTRUCTION ENGINEER TO DETERMINE IF SUBGRADE IMPROVEMENT IS NEEDED.

STAGE 2 TRAFFIC

- TRAFFIC REDUCED TO ONE LANE IN EACH DIRECTION THROUGH THE WORK ZONE, UTILIZING THE OUTSIDE LANE.
- USE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY FOR TRAFFIC CONTROL SIGNAGE AND DEVICES PRIOR TO ENTRY POINTS INTO THE WORK ZONE.
- USE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE FOR TRAFFIC CONTROL SIGNAGE AND DEVICES AT THE INTERSECTIONS FOR THE INSIDE LANE CLOSURE.

NOTE

* PAVED SHOULDER WIDTH VARIES 3' TO 5'. SEE PLANS FOR LOCATIONS.

WORK ZONE

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2 TYPICAL SECTION AND OVERVIEW	SHEET 167	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026200-TCS2OVERVIEW.DWG
LAYOUT NAME - 026200-TCs2Overview
PLOT DATE : 11/1/2020 9:58 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:1 MI
WISDOT/CADDS SHEET 42

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

W01-6
48"X24"

368TH AVE

350'

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2L
48"X30"

LEFT TURN LANE TO BE TEMPORARILY CLOSED FOR CONCRETE PAVEMENT REPAIR. USE HIGH EARLY STRENGTH CONCRETE. LANE 2 TO BE A SHARED THROUGH AND LEFT DURING THIS SHORT TERM CLOSURE.

BEGIN PROJECT
STA 612+78.95

S

W2

12'

YP

R/L STH 50

50

WO12-1D
48"X48"

SPEED LIMIT
55

D

BEGIN LEFT TURN LANE
R3-20L
24"X36"

WP

N

612

500'

616

618

620

622

624

MATCH LINE STA 626+00

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/ EXPRESSWAY FOR ADVANCED WARNING SIGNING AND TRANSITION AREA. SPEED REDUCED TO 45 MPH. SUBSTITUTE W21-62 SIGN FOR G20-1 IN ADVANCED SIGNING AREA.

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT
45

R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

R3-2
24"X24"

2

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

368TH AVE

350'

LANE CLOSED
R11-2L
48"X30"

W01-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

YP

WP

50

R/L STH 50

12'

LANE CLOSED
R11-2L
48"X30"

628

630

632

634

636

638

640

MATCH LINE STA 626+00

MATCH LINE STA 641+00

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

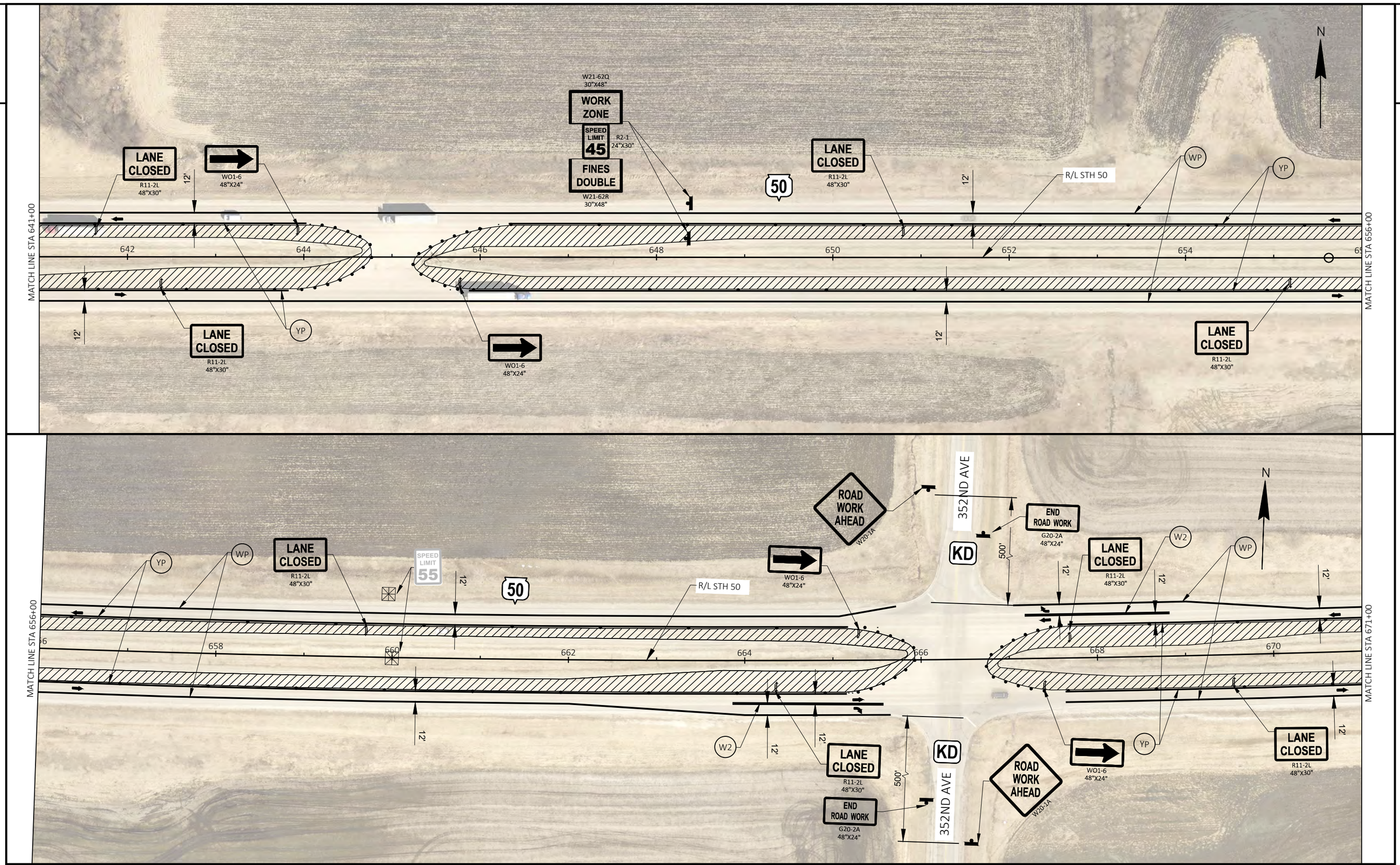
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 168	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026101-tcs2

PLOT DATE : 10/31/2020 3:52 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

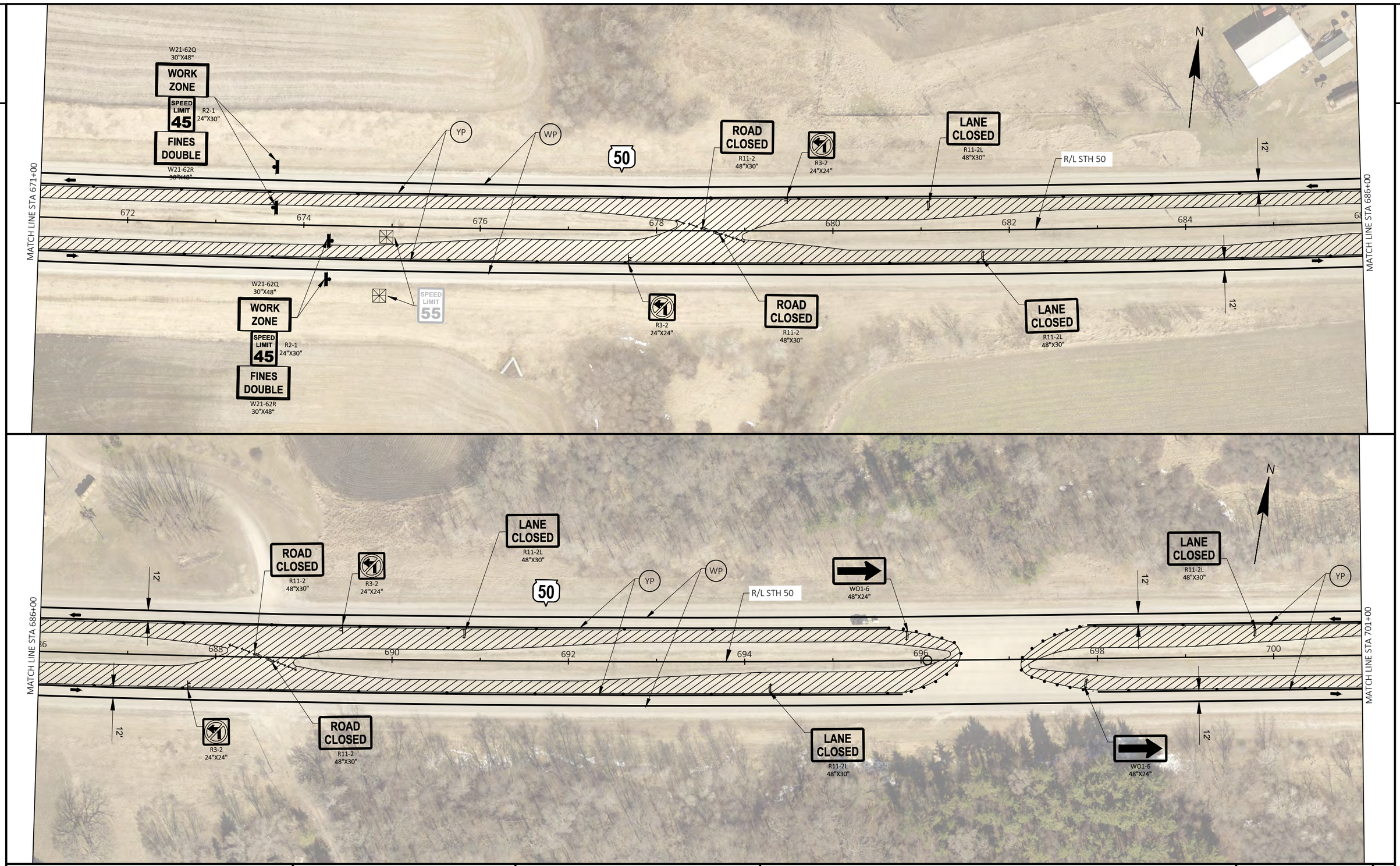


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 169	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026102-tcs2

PLOT DATE : 10/31/2020 3:52 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



2

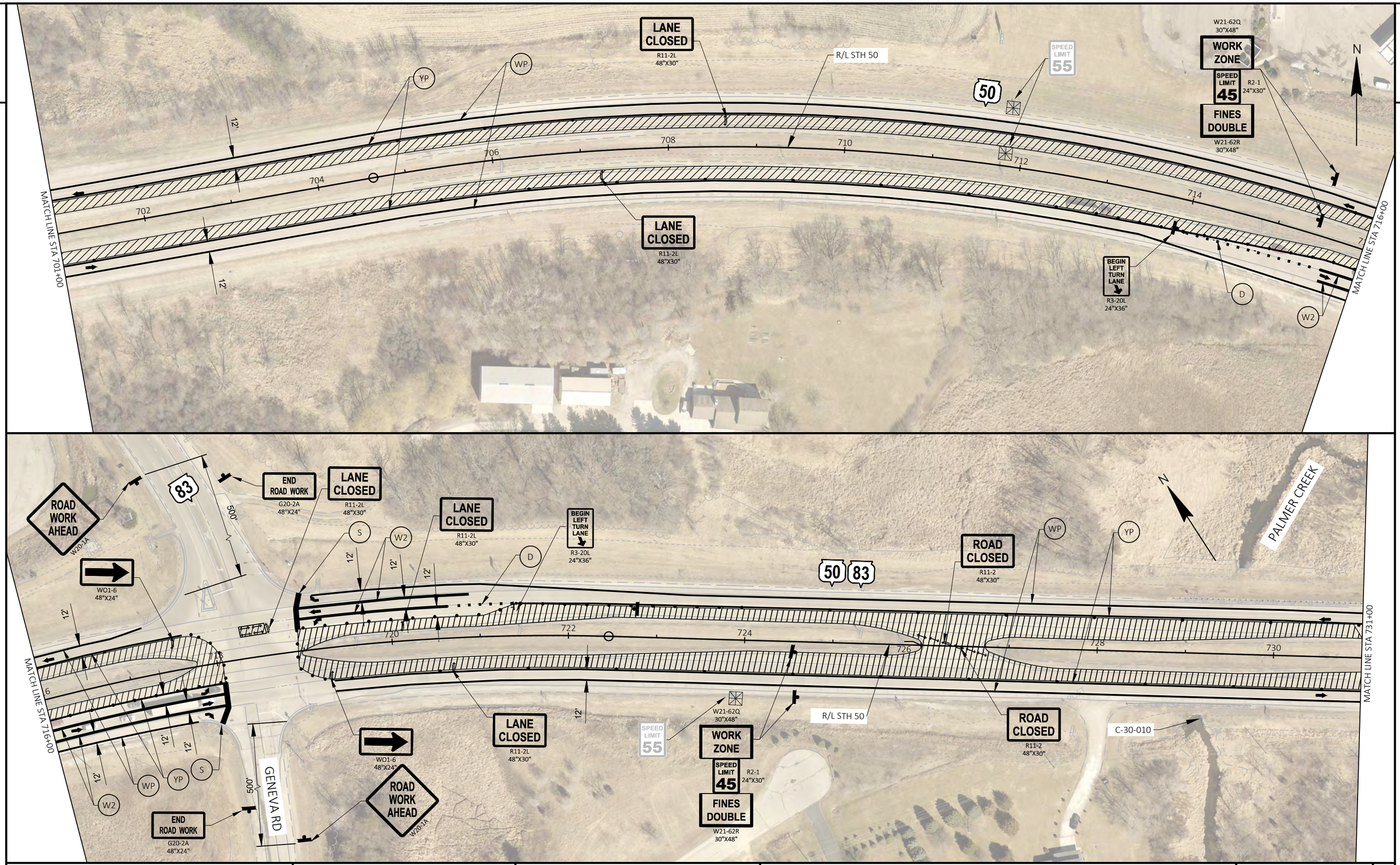
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 170	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026103-tcs2

PLOT DATE : 10/31/2020 3:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 171	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026104-tcs2

PLOT DATE : 10/31/2020 3:53 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 731+00

MATCH LINE STA 746+00

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

R/L STH 50

50 83

WP

YP

12'

732

734

736

738

740

742

744

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

N

MATCH LINE STA 746+00

MATCH LINE STA 761+00

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT 45
R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

R/L STH 50

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

WP

YP

12'

50 83

748

750

752

754

756

758

760

WO1-6
48"X24"

WP

W2

12'

12'

LANE CLOSED
R11-2L
48"X30"

FOX RIVER DR

500'

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

12'

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

W
(SOUTH)

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 172	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026105-tcs2

PLOT DATE : 10/31/2020 3:54 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 761+00

MATCH LINE STA 776+00

ROAD WORK AHEAD
W20-1A

(NORTH)

W

328TH AVE

500'

END ROAD WORK
G20-2A
48"X24"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

WP

YP

W2

12'

B-30-051

B-30-057

FOX RIVER

R/L STH 50

50 83

762 764 766 768 770 772 774

SPEED LIMIT 55

W21-62Q
30"X48"

WORK ZONE

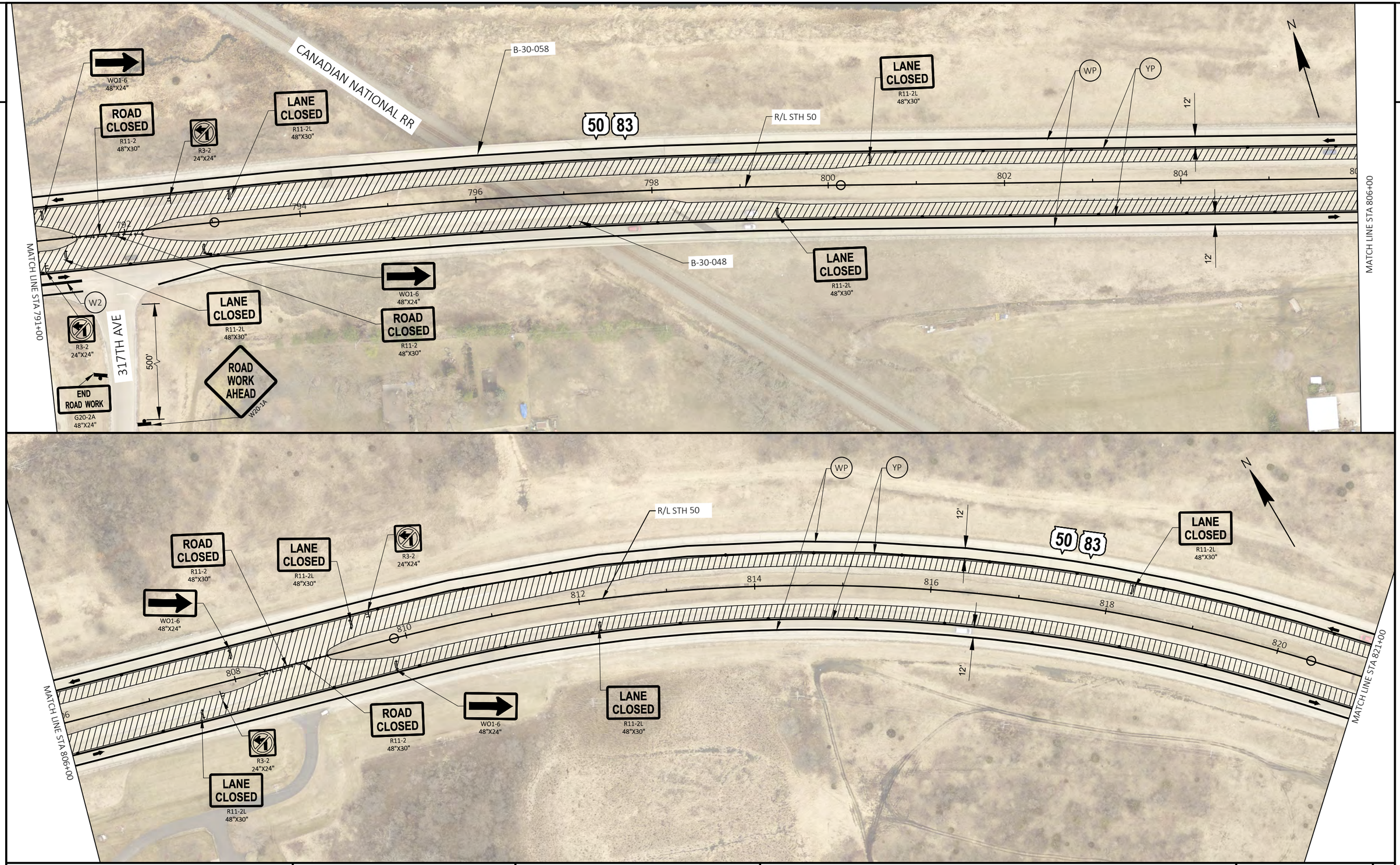
SPEED LIMIT 45
R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

N

776 778 780 782 784 786 788 790

319TH AVE


CANADIAN NATIONAL RR
B-30-058
B-30-048
R/L STH 50
50
83
WO1-6
48"X24"
ROAD CLOSED
R11-2
48"X30"
R3-2
24"X24"
LANE CLOSED
R11-2L
48"X30"
WP
YP
12'
N
792
794
796
798
800
802
804
806
808
810
812
814
816
818
820
W2
317TH AVE
500'
ROAD WORK AHEAD
W20-1A
END ROAD WORK
G20-2A
48"X24"
MATCH LINE STA 791+00
MATCH LINE STA 806+00
MATCH LINE STA 806+00
MATCH LINE STA 821+00

2

MATCH LINE STA 821+00

R/L STH 50

822

824

826

828

830

832

834

MATCH LINE STA 836+00

N

R3-2
24"X24"

WO1-6
48"X24"

ROAD
CLOSED
R11-2
48"X30"

LANE
CLOSED
R11-2L
48"X30"

WP

YP

12'

50 83

SPEED
LIMIT
55

W2

MATCH LINE STA 836+00

N

YP

WO1-6
48"X24"

LANE
CLOSED
R11-2L
48"X30"

WP

R/L STH 50

12'

50 83

838

840

842

844

846

848

850

MATCH LINE STA 851+00

W2

END
ROAD WORK
G20-2A
48"X24"

304TH AVE

500'

ROAD
WORK
AHEAD
W20-1A

SPEED
LIMIT
55

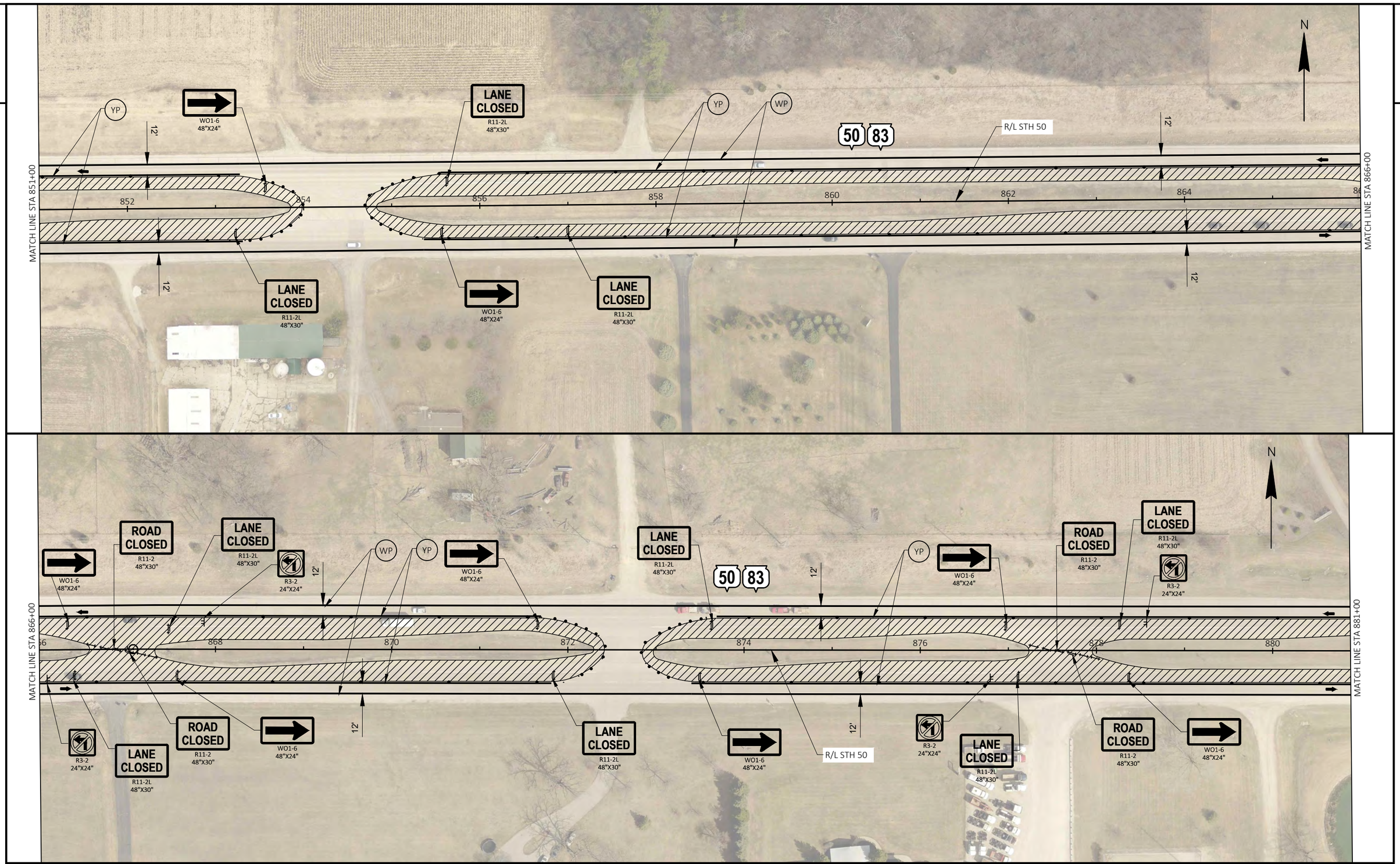
76TH ST

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 175	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026108-tcs2

PLOT DATE : 10/31/2020 3:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



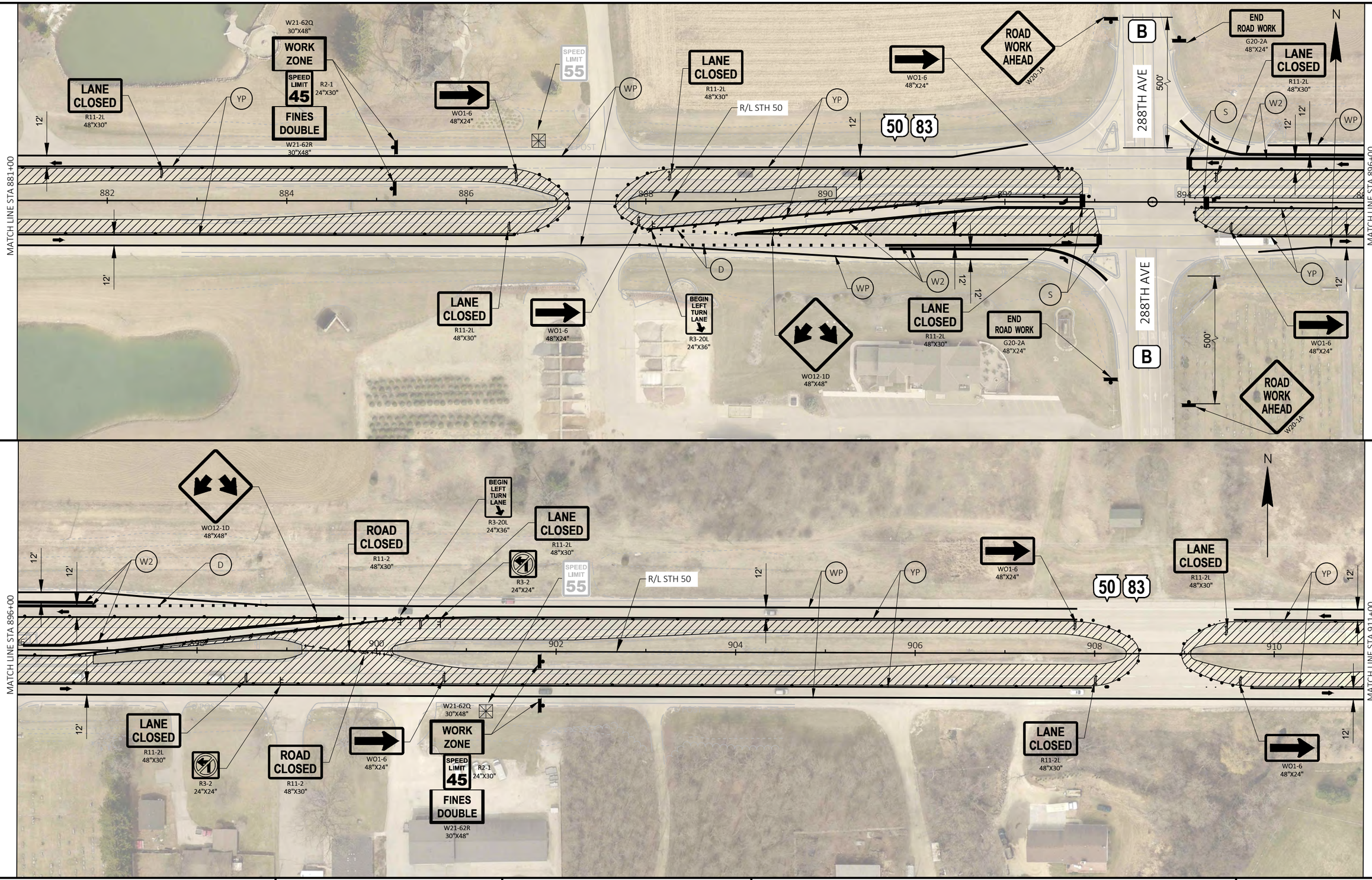
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 176 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026109-tcs2

PLOT DATE : 10/31/2020 3:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

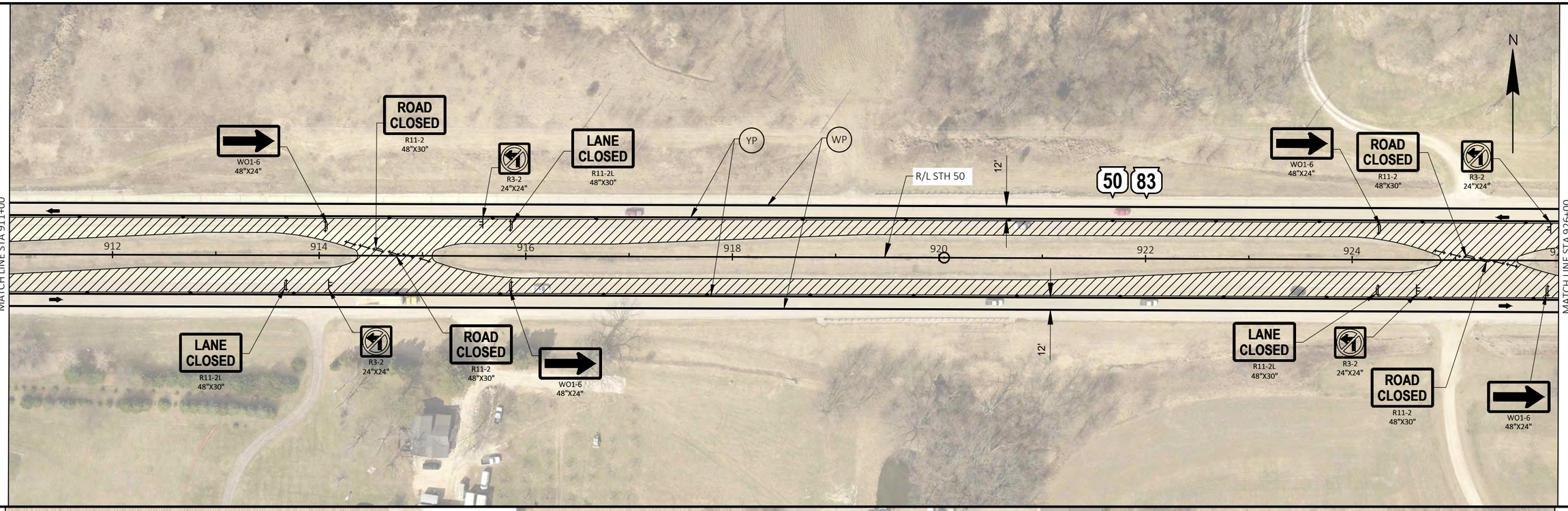


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 177	E

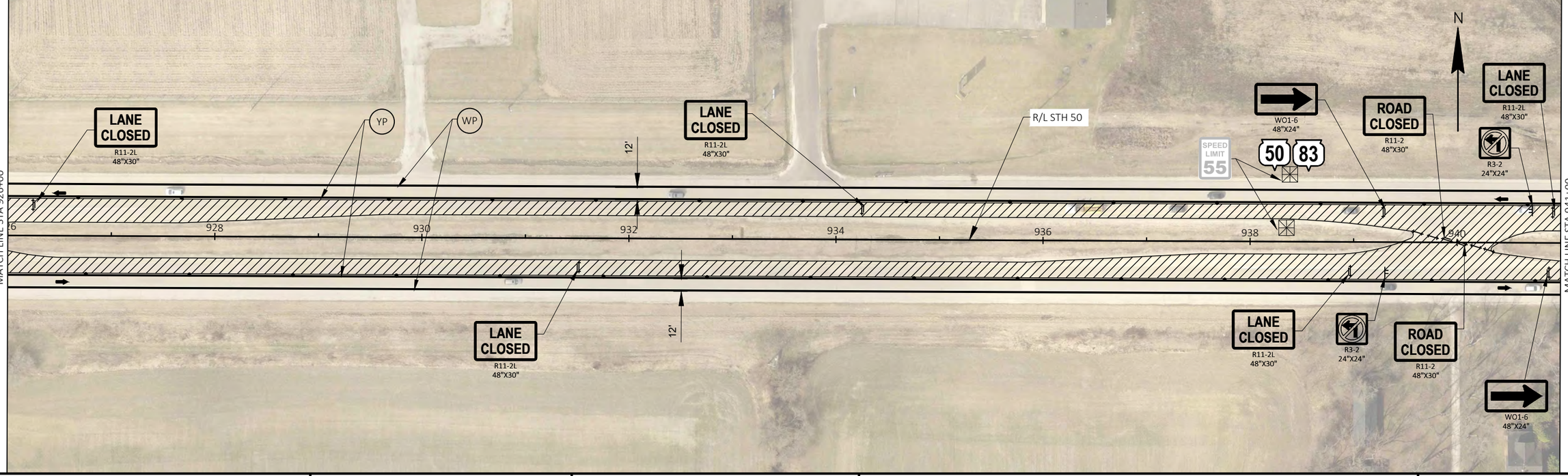
FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026110-tcs2
PLOT DATE : 10/31/2020 3:57 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

MATCH LINE STA 911+00



MATCH LINE STA 926+00



MATCH LINE STA 941+00

2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 178	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026111-tcs2

PLOT DATE : 10/31/2020 3:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 941+00

MATCH LINE STA 956+00

N

YP

WO1-6
48"X24"

LANE
CLOSED
R11-2L
48"X30"

50 83

R/L STH 50

YP

WP

12'

942

944

946

948

950

952

954

LANE
CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

12'

MATCH LINE STA 956+00

MATCH LINE STA 971+00

N

WO1-6
48"X24"

ROAD
CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE
CLOSED
R11-2L
48"X30"

YP

WP

R/L STH 50

12'

WO1-6
48"X24"

LANE
CLOSED
R11-2L
48"X30"

50 83

YP

958

960

962

964

966

968

970

R3-2
24"X24"

ROAD
CLOSED
R11-2
48"X30"

WO1-6
48"X24"

LANE
CLOSED
R11-2L
48"X30"

12'

LANE
CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 179	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026112-tcs2

PLOT DATE : 10/31/2020 3:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

ROAD WORK AHEAD
W20-1A
200'
265TH AVE
END ROAD WORK
G20-2A
48"X24"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
SPEED LIMIT 55
YP
WP
12'
WO1-6
48"X24"
50 83
LANE CLOSED
R11-2L
48"X30"
YP
MATCH LINE STA 971+00
972
974
976
978
980
982
984
MATCH LINE STA 986+00
YP
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
R/L STH 50
W2
12'
12'
LANE CLOSED
R11-2L
48"X30"
END ROAD WORK
G20-2A
48"X24"
261ST AVE
500'
WO1-6
48"X24"
WP
ROAD WORK AHEAD
W20-1A
N
W21-62Q
30"X48"
WORK ZONE
SPEED LIMIT 45
R2-1
24"X30"
FINES DOUBLE
W21-62R
30"X48"
SPEED LIMIT 55
WO1-6
48"X24"
ROAD CLOSED
R11-2
48"X30"
R3-2
24"X24"
LANE CLOSED
R11-2L
48"X30"
12'
YP
WP
R/L STH 50
MATCH LINE STA 986+00
988
990
992
994
996
998
1000
SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/ EXPRESSWAY FOR ADVANCED WARNING SIGNING AND TRANSITION AREA. SPEED REDUCED TO 45 MPH. SUBSTITUTE W21-62 SIGN FOR G20-1 IN ADVANCED SIGNING AREA.
50 83
N
LANE CLOSED
R11-2L
48"X30"
R3-2
24"X24"
ROAD CLOSED
R11-2
48"X30"
WO1-6
48"X24"
12'
BEGIN EXCEPTION TO NET CENTERLINE
STA 994+20.64
END ROAD WORK
G20-2A
48"X24"
SILVER LAKE RD
170'
ROAD WORK AHEAD
W20-1A

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 180	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026201-TCS2.DWG
LAYOUT NAME - 026113-tcs2
PLOT DATE : 10/31/2020 3:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

END EXCEPTION TO NET CENTERLINE
STA 1068+21.42

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/ EXPRESSWAY FOR ADVANCED WARNING SIGNING AND TRANSITION AREA. SPEED REDUCED TO 45 MPH. SUBSTITUTE W21-62 SIGN FOR G20-1 IN ADVANCED SIGNING AREA.

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

SPEED LIMIT
55

LANE CLOSED
R11-2L
48"X30"

YP

WP

50

R/L STH 50

12'

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT
45

R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

WO1-6
48"X24"

75TH ST

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

1066 1068 1070 1072 1074 1076 1078 1080

N

MATCH LINE STA 1081+00

2

MATCH LINE STA 1081+00

LANE CLOSED
R11-2L
48"X30"

YP

WP

WO1-6
48"X24"

50

12'

75TH ST

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

1082 1084 1086 1088 1090 1092 1094

N

LANE CLOSED
R11-2L
48"X30"

12'

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

WO1-6
48"X24"

R/L STH 50

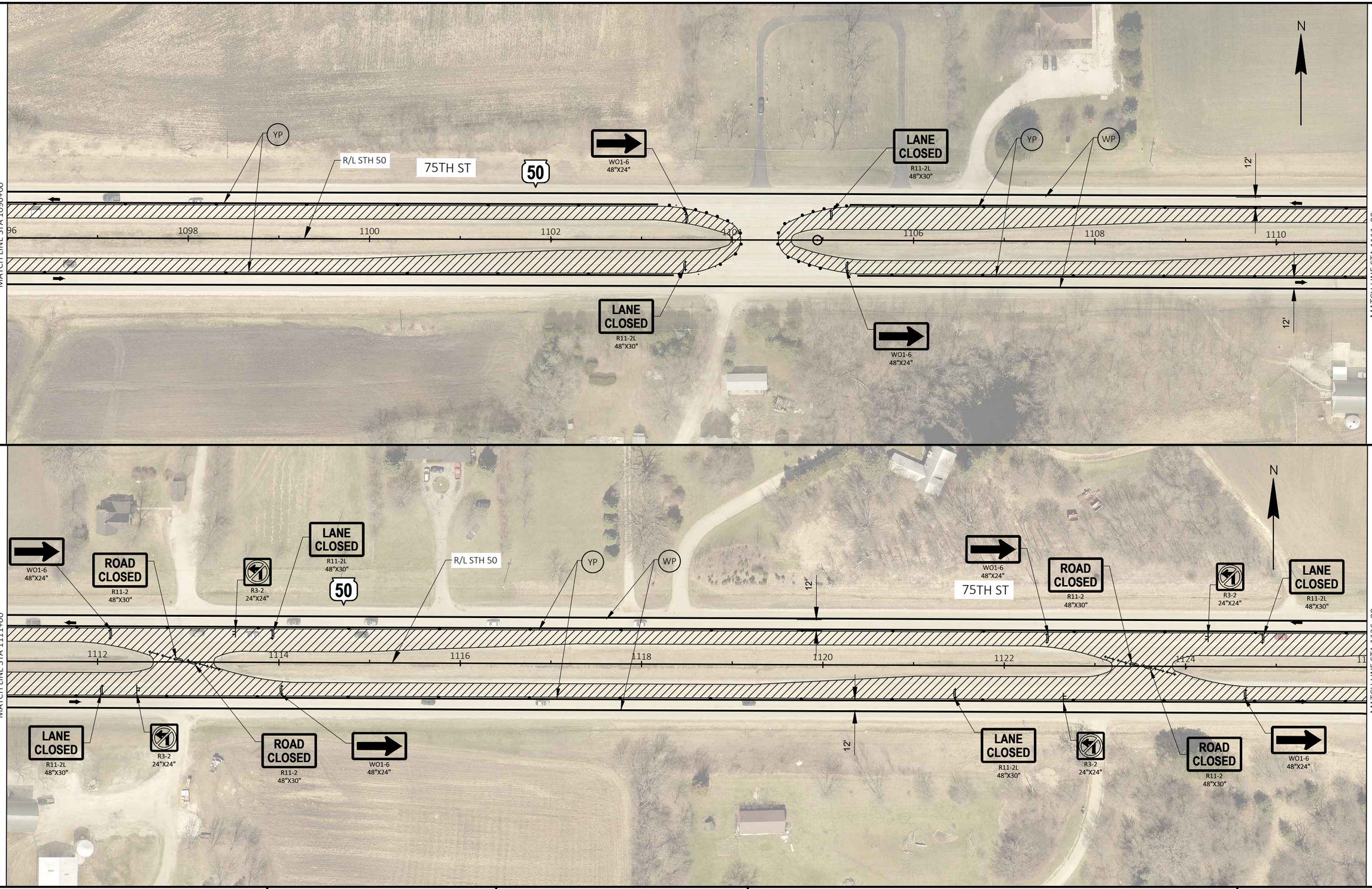
MATCH LINE STA 1096+00

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 181	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026114-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 182	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026115-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

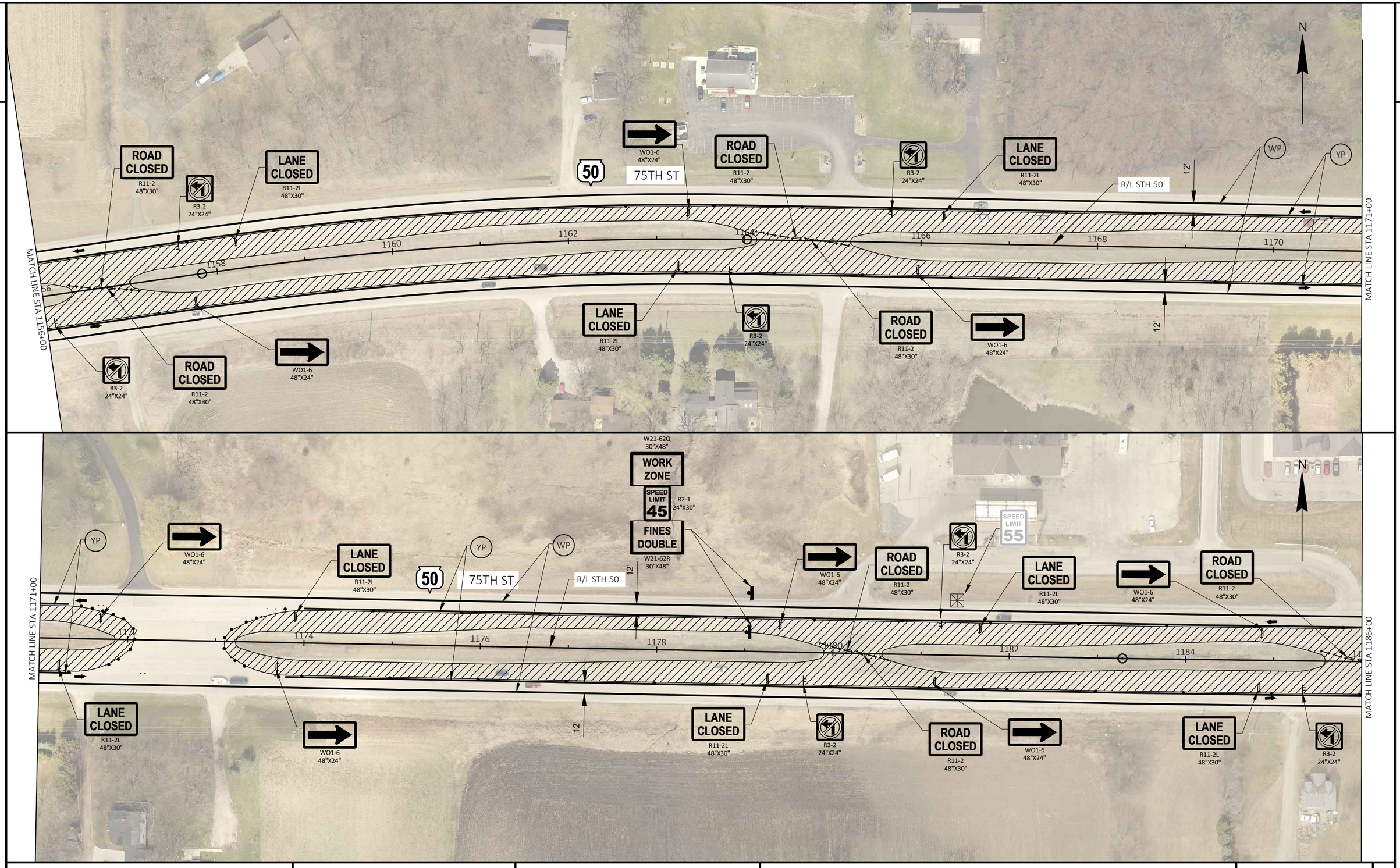
W21-62Q
30"X48"
WORK ZONE
SPEED LIMIT 45
R2-1
24"X30"
FINES DOUBLE
W21-62R
30"X48"
SPEED LIMIT 55
WO1-6
48"X24"
ROAD CLOSED
R11-2
48"X30"
R3-2
24"X24"
LANE CLOSED
R11-2L
48"X30"
50
R/L STH 50
YP
WP
B-30-061
LANE CLOSED
R11-2L
48"X30"
75TH ST
12'
N
MATCH LINE STA 1126+00
1126
1128
1130
1132
1134
1136
1138
1140
MATCH LINE STA 1141+00
WP
W2
LANE CLOSED
R11-2L
48"X30"
R3-2
24"X24"
ROAD CLOSED
R11-2
48"X30"
END ROAD WORK
G20-2A
48"X24"
ROAD WORK AHEAD
W20-1A
216TH AVE
500'
R3-2
24"X24"
WO1-6
48"X24"
SALEM BRANCH
W21-62Q
30"X48"
WORK ZONE
SPEED LIMIT 45
R2-1
24"X30"
FINES DOUBLE
W21-62R
30"X48"
LANE CLOSED
R11-2L
48"X30"
12'

N
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
YP
WP
LANE CLOSED
R11-2L
48"X30"
75TH ST
50
12'
R/L STH 50
YP
WO1-6
48"X24"
ROAD CLOSED
R11-2
48"X30"
R3-2
24"X24"
MATCH LINE STA 1141+00
MATCH LINE STA 1156+00
1142
1144
1146
1148
1150
1152
1154
LANE CLOSED
R11-2L
48"X30"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"
R3-2
24"X24"
ROAD CLOSED
R11-2
48"X30"
WO1-6
48"X24"
LANE CLOSED
R11-2L
48"X30"

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 183	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026116-tcs2
PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 184 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026117-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCH LINE STA 1186+00

MATCH LINE STA 1201+00

ROAD WORK AHEAD
W20-1A

500'

WO1-6
48"X24"

END ROAD WORK
G20-2A
48"X24"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

YP

WP

R/L STH 50

12'

S

W2

50

75TH ST

BEGIN LEFT TURN LANE
R3-20L
24"X36"

D

1188

1190

1192

1194

1196

1198

1200

ROAD CLOSED
R11-2
48"X30"

200TH AVE/
BRISTOL RD

45

SPEED LIMIT
55

N

MATCH LINE STA 1201+00

MATCH LINE STA 1216+00

1202

1204

1206

1208

1210

1212

1214

WORK ZONE
W21-62Q
30"X48"

SPEED LIMIT
45
R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 185	E

2

2

MATCH LINE STA 1216+00

MATCH LINE STA 1231+00

MATCH LINE STA 1231+00

MATCH LINE STA 1246+00

N

75TH ST

50

R/L STH 50

184TH AVE

500'

12'

WP

YP

W2

D

WO1-6 48"X24"

R11-2 48"X30"

R11-2L 48"X30"

R3-2 24"X24"

G20-2A 48"X24"

W20-1A

W21-62Q 30"X48"

R2-1 24"X30"

W21-62R 30"X48"

ROAD CLOSED

LANE CLOSED

END ROAD WORK

ROAD WORK AHEAD

WORK ZONE

SPEED LIMIT 45

FINES DOUBLE

SPEED LIMIT 55

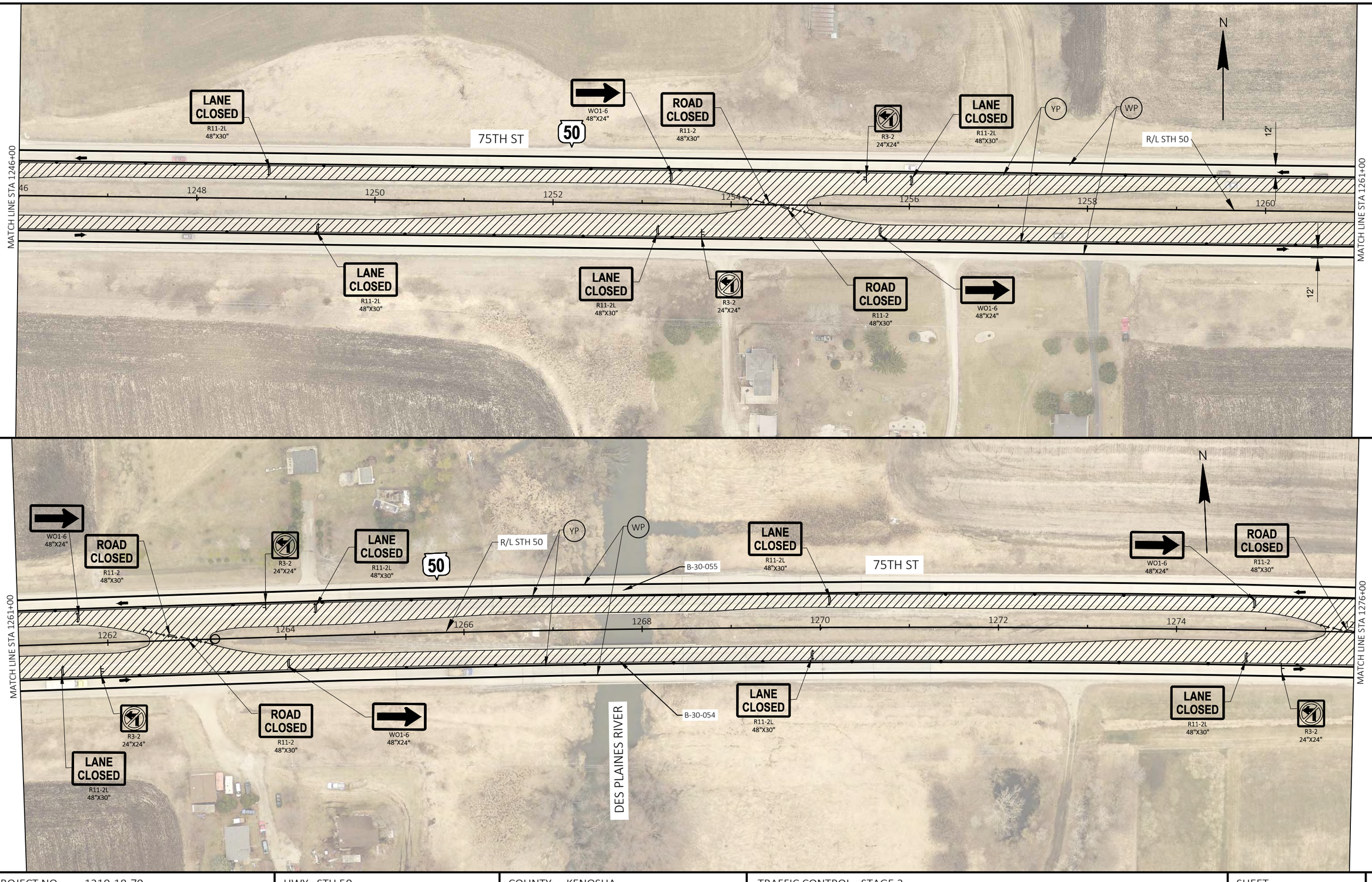
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 186	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026119-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



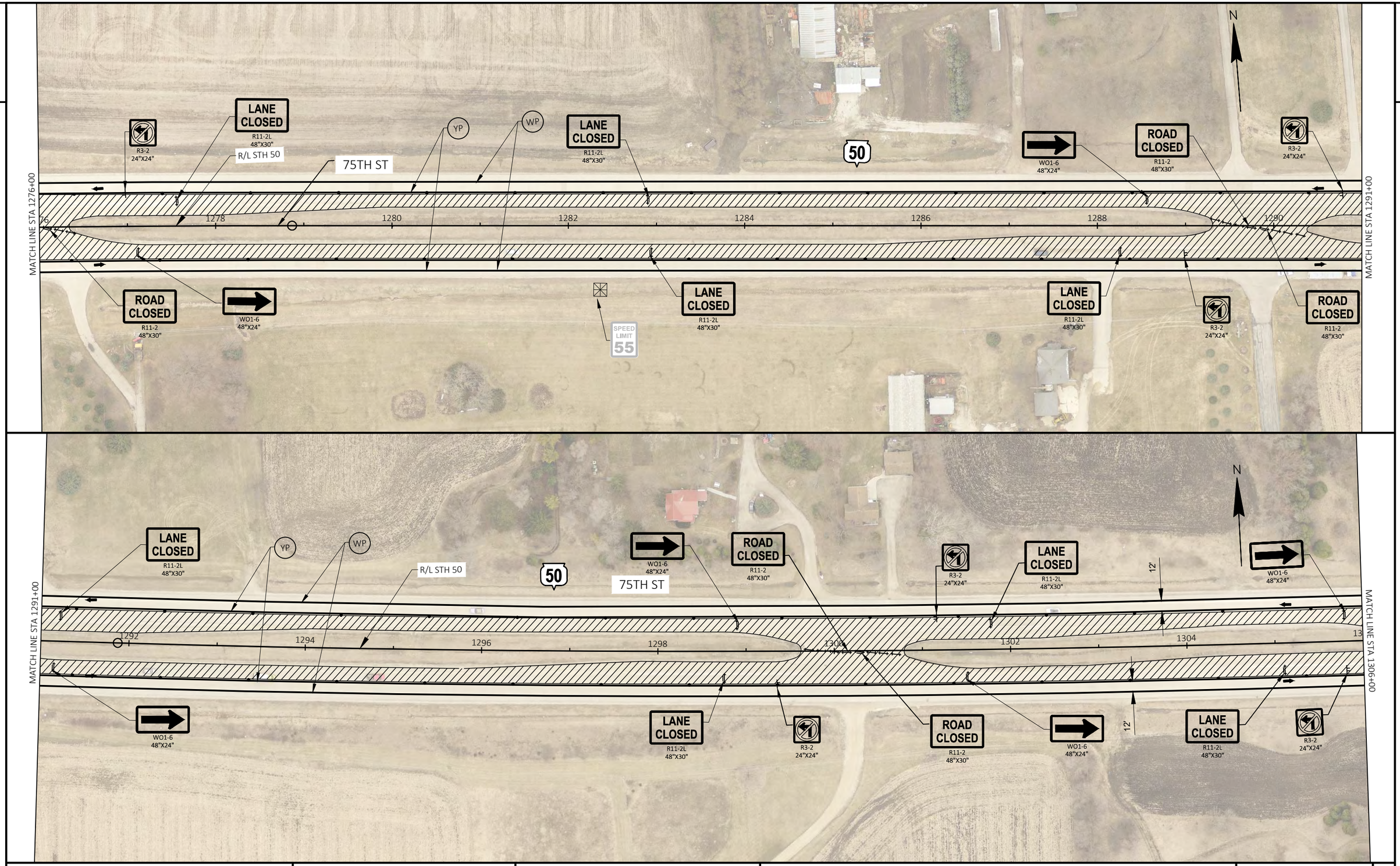
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 187	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026120-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



2

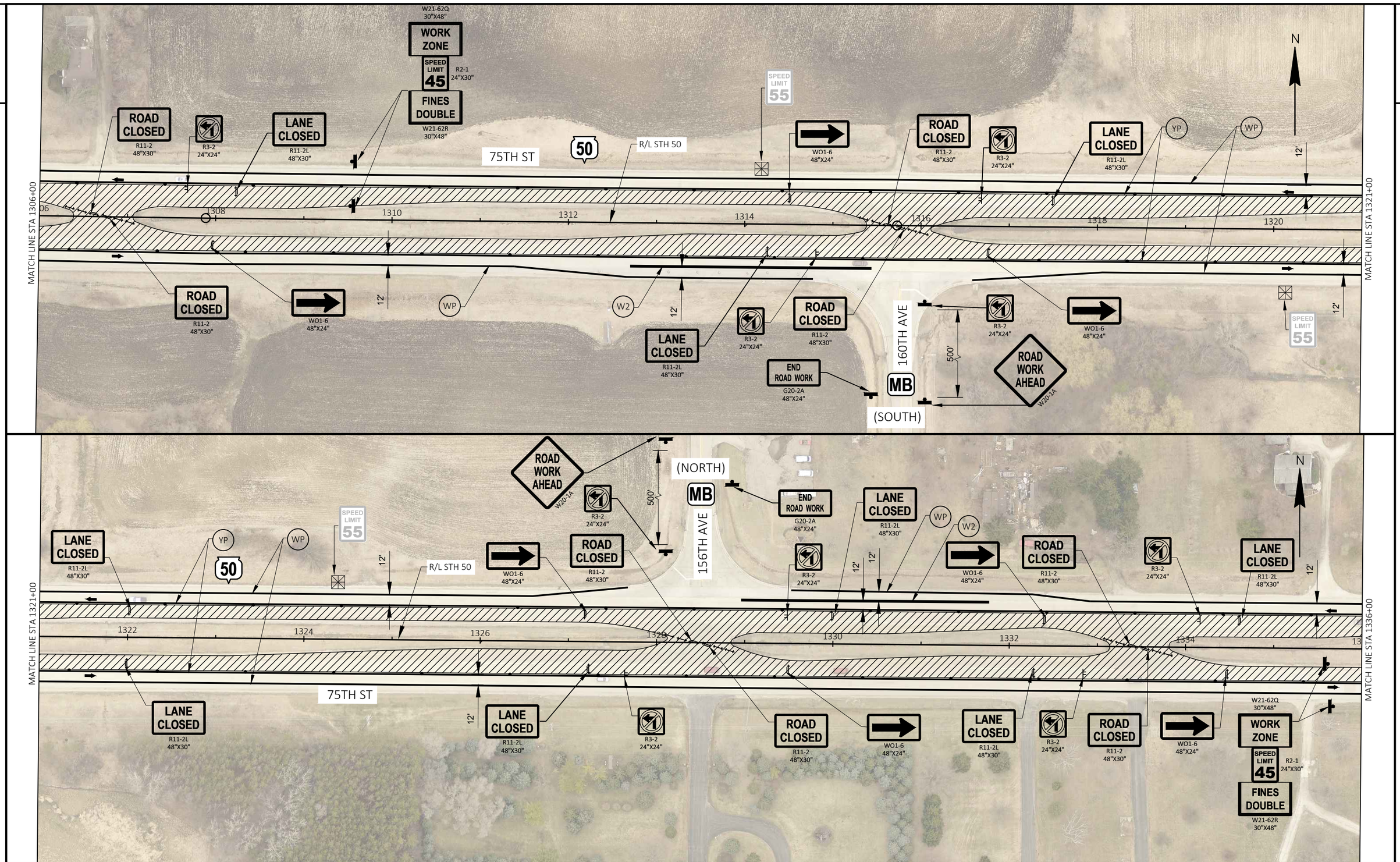
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 188	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026121-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 189 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026122-tcs2
PLOT DATE : 10/31/2020 4:10 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1336+00

MATCH LINE STA 1351+00

R/L STH 50

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

YP

WP

R/L STH 50

75TH ST

50

12'

1336

1338

1340

1342

1344

1346

1348

1350

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

KENOSHA BOWMEN DR

R3-2
24"X24"

WO1-6
48"X24"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT 45
R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

YP

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

YP

LANE CLOSED
R11-2L
48"X30"

WP

50

12'

75TH ST

SPEED LIMIT 55

MATCH LINE STA 1351+00

MATCH LINE STA 1366+00

1352

1354

1356

1358

1360

1362

1364

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

B-30-062

ROOT RIVER

LANE CLOSED
R11-2L
48"X30"

12'

BEGIN LEFT TURN LANE
R3-20L
24"X36"

D

W2

12'

W2

12'

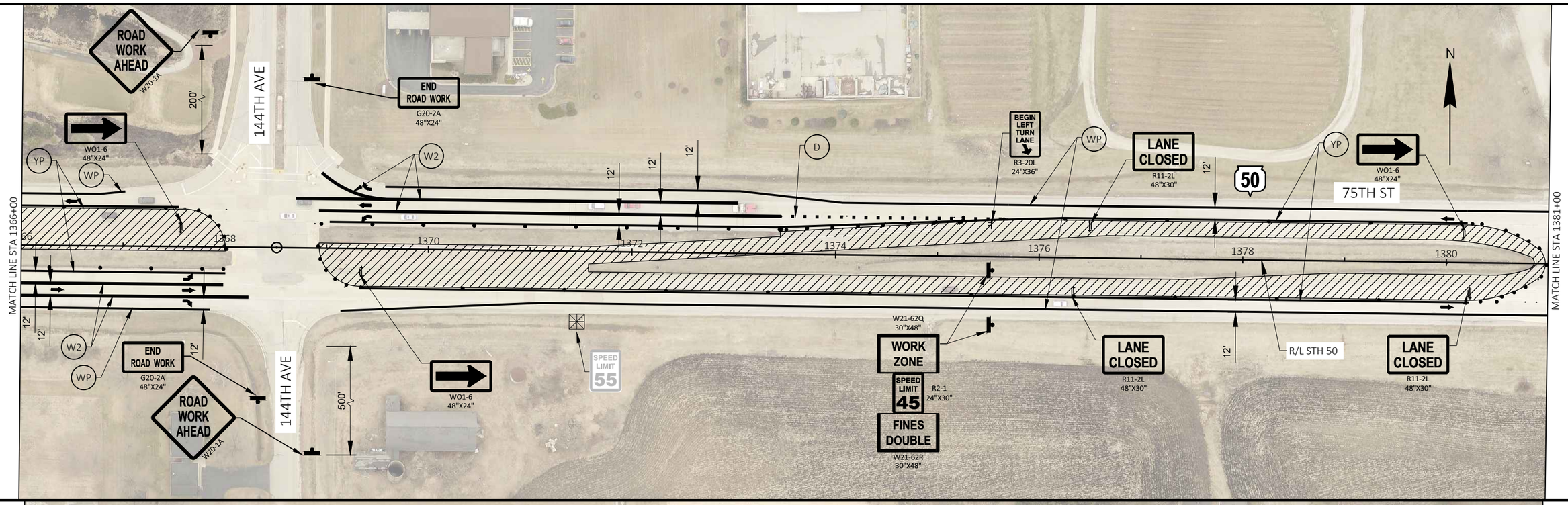
12'

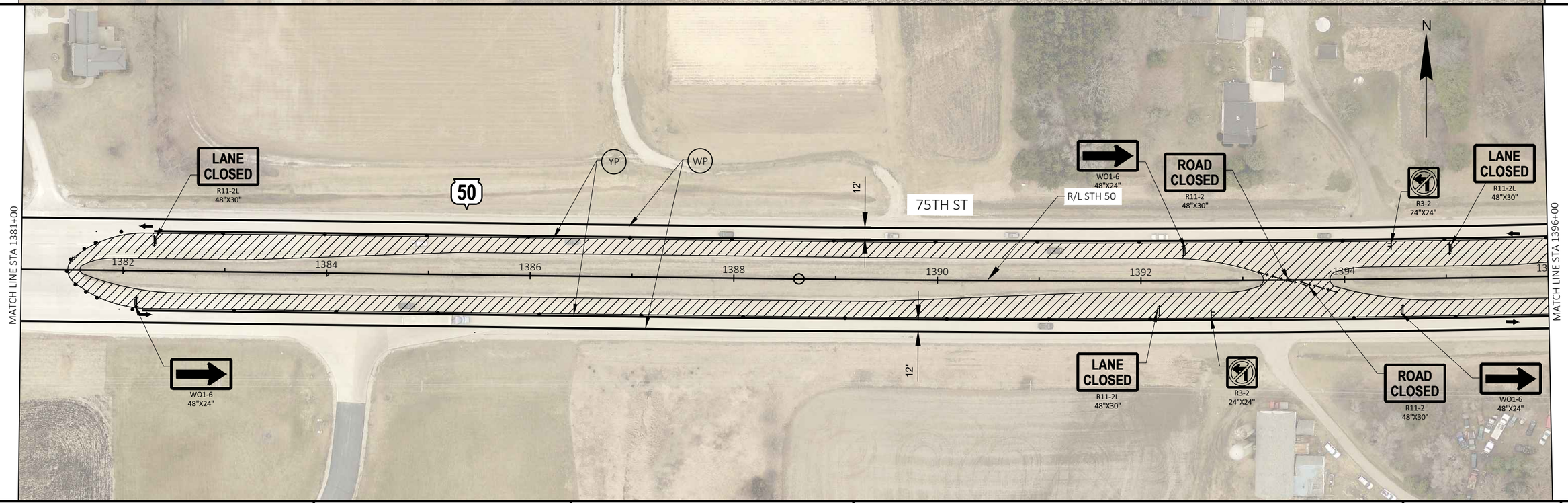
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 190	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026123-tcs2

PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 191 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026124-tcs2
PLOT DATE : 10/31/2020 4:10 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1396+00

MATCH LINE STA 1411+00

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

75TH ST

50

R/L STH 50

YP

WP

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

12'

1396
1398
1400
1402
1404
1406
1408
1410

N

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT
45

R2-1
24"X30"

FINES DOUBLE

W21-62R
30"X48"

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

75TH ST

12'

YP

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

WP

50

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

SPEED LIMIT
55

WO1-6
48"X24"

ROAD CLOSED
R11-2
48"X30"

LANE CLOSED
R11-2L
48"X30"

END PROJECT
STA 1422+22.66

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/ EXPRESSWAY FOR ADVANCED WARNING SIGNING AND TRANSITION AREA. SPEED REDUCED TO 45 MPH. SUBSTITUTE W21-62 SIGN FOR G20-1 IN ADVANCED SIGNING AREA.

N

MATCH LINE STA 1411+00

1412
1414
1416
1418
1420
1422
1424
1426

500'

W2

WP

12'

LANE CLOSED
R11-2L
48"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

END ROAD WORK
G20-2A
48"X24"

ROAD WORK AHEAD
W20-1A

130TH AVE

200'

R3-2
24"X24"

WO1-6
48"X24"

R/L STH 50

W2

12'

12'

R3-2
24"X24"

LANE CLOSED
R11-2L
48"X30"

ROAD CLOSED
R11-2
48"X30"

END ROAD WORK
G20-2A
48"X24"

128TH AVE

200'

R3-2
24"X24"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

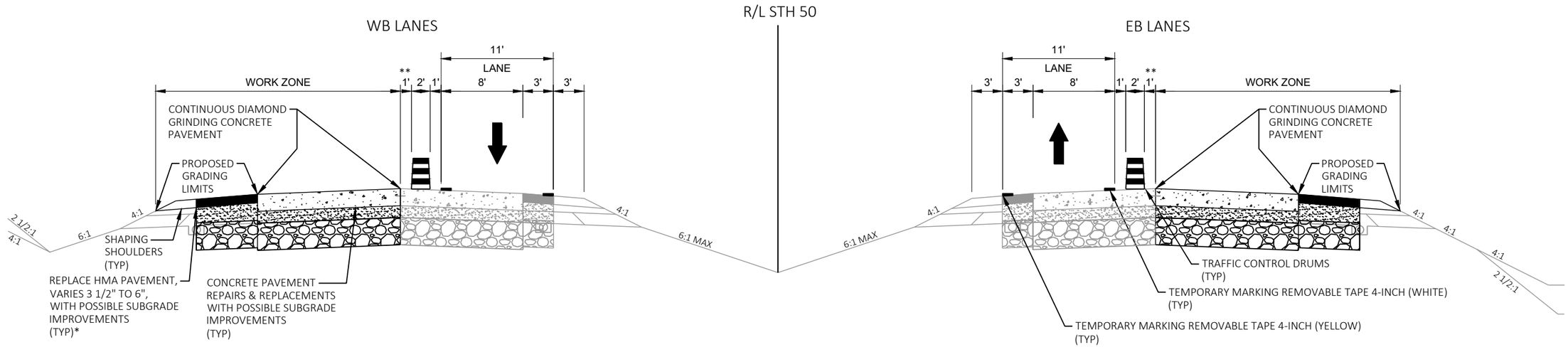
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 2	SHEET 192	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026202-TCS2.DWG
LAYOUT NAME - 026125-tcs2

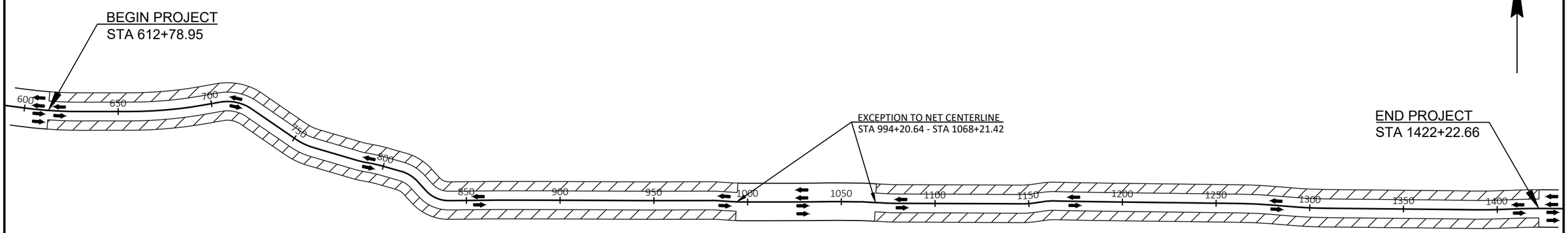
PLOT DATE : 10/31/2020 4:10 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



STAGE 3 TYPICAL SECTION
STH 50



NOTES

* HMA PAVEMENT THICKNESS VARIES, SEE PLANS FOR FINAL DEPTHS.

** SHY DISTANCE IS INCREASED TO 3' WHERE OUTSIDE PAVEMENT REPAIR OR REPLACEMENT IS REQUIRED, SEE PLANS FOR LOCATIONS.

WORK ZONE

STAGE 3 CONSTRUCTION

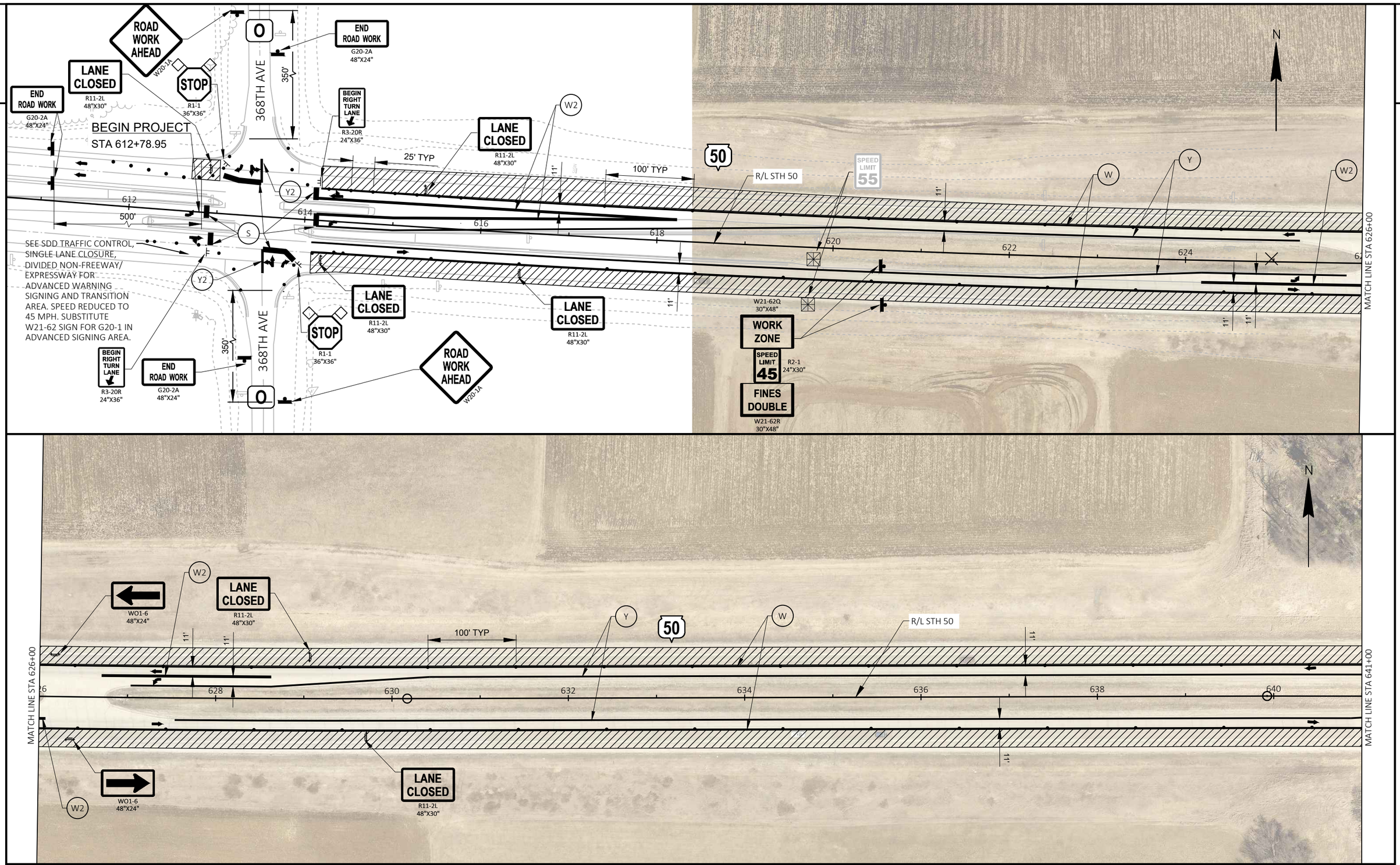
- CONCRETE PAVEMENT REPAIRS AND REPLACEMENTS AT THE LOCATIONS IDENTIFIED IN THE PLANS. CONSTRUCTION ENGINEER TO DETERMINE IF SUBGRADE IMPROVEMENT IS NEEDED.
- CONTINUOUS DIAMOND GRIND CONCRETE PAVEMENT CONSTRUCT OUTSIDE LANES AND INTERSECTIONS WITH CONCRETE SURFACES.
- REPLACE OUTSIDE SHOULDERS WITH 3 1/2" HMA PAVEMENT AND TURN LANES/INTERCTIONS WITH 4" OR 6". SEE PLANS FOR LOCATIONS.* CONSTRUCTION ENGINEER TO DETERMINE IF SUBGRADE IMPROVEMENT IS NEEDED.
- PERMANENT PAVEMENT MARKINGS TO BE PLACED AT AREAS WITHIN THE WORK ZONES.
- REPLACE DEFICIENT BEAM GUARD END TERMINALS AS SHOWN ON PLANS.

STAGE 3 TRAFFIC

- TRAFFIC REDUCED TO ONE LANE IN EACH DIRECTION THROUGH THE WORK ZONE, UTILIZING THE INSIDE LANE.
- USE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY FOR TRAFFIC CONTROL SIGNAGE AND DEVICES PRIOR TO ENTRY POINTS INTO THE WORK ZONE.
- USE SDD TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE FOR TRAFFIC CONTROL SIGNAGE AND DEVICES AT THE INTERSECTIONS FOR THE OUTSIDE LANE CLOSURE.
- USE SDD TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION AT INTERSECTIONS DURING REMOVALS AND HMA PAVING. SEE PLANS FOR LOCATIONS.

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3 TYPICAL SECTION AND OVERVIEW	SHEET 193	E

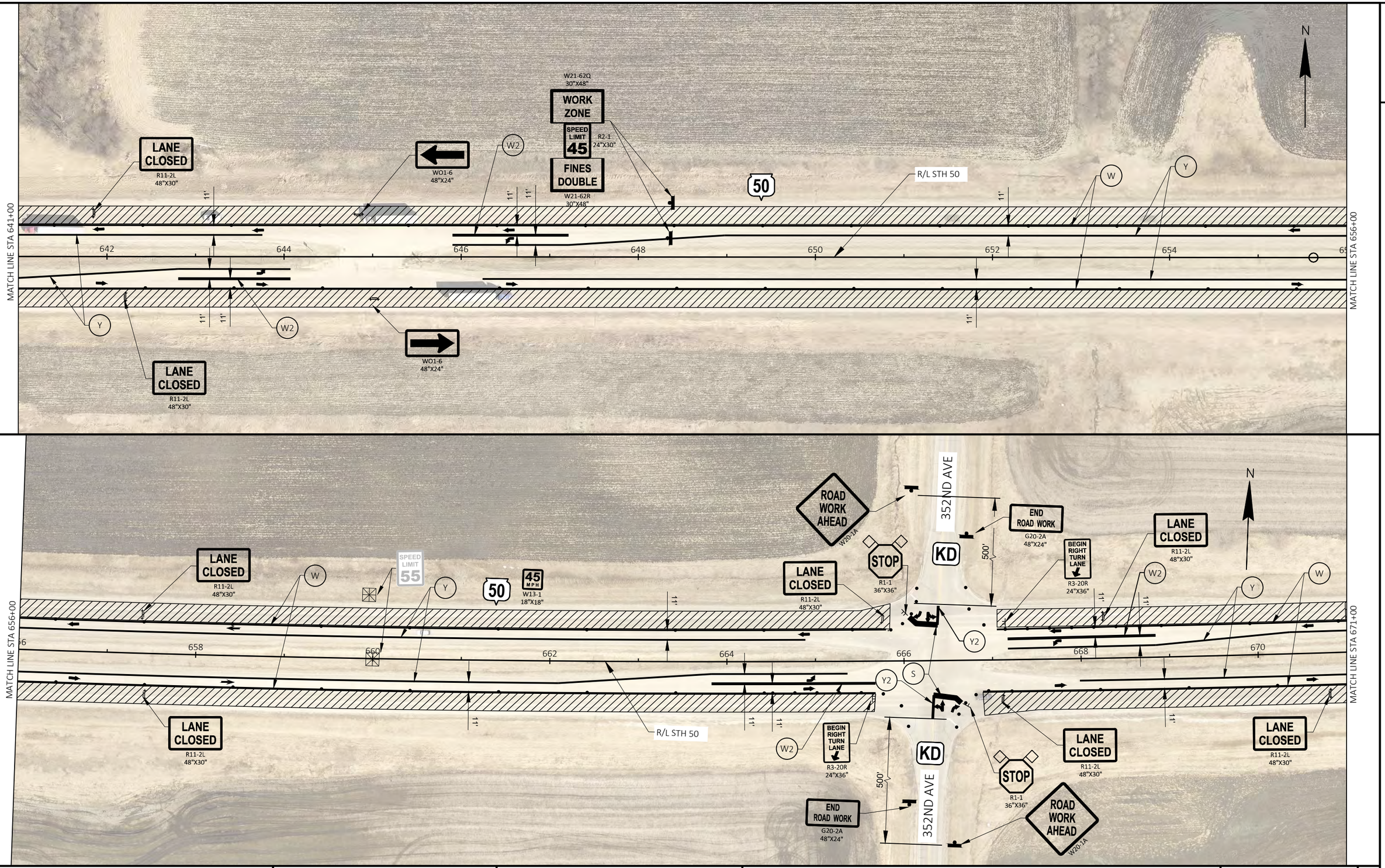
FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026300-TCS3OVERVIEW.DWG
LAYOUT NAME - 026300-TCs3Overview
PLOT DATE : 11/1/2020 9:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:1 MI
WISDOT/CADDS SHEET 42



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 194 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026201-tcs3
PLOT DATE : 10/31/2020 4:56 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



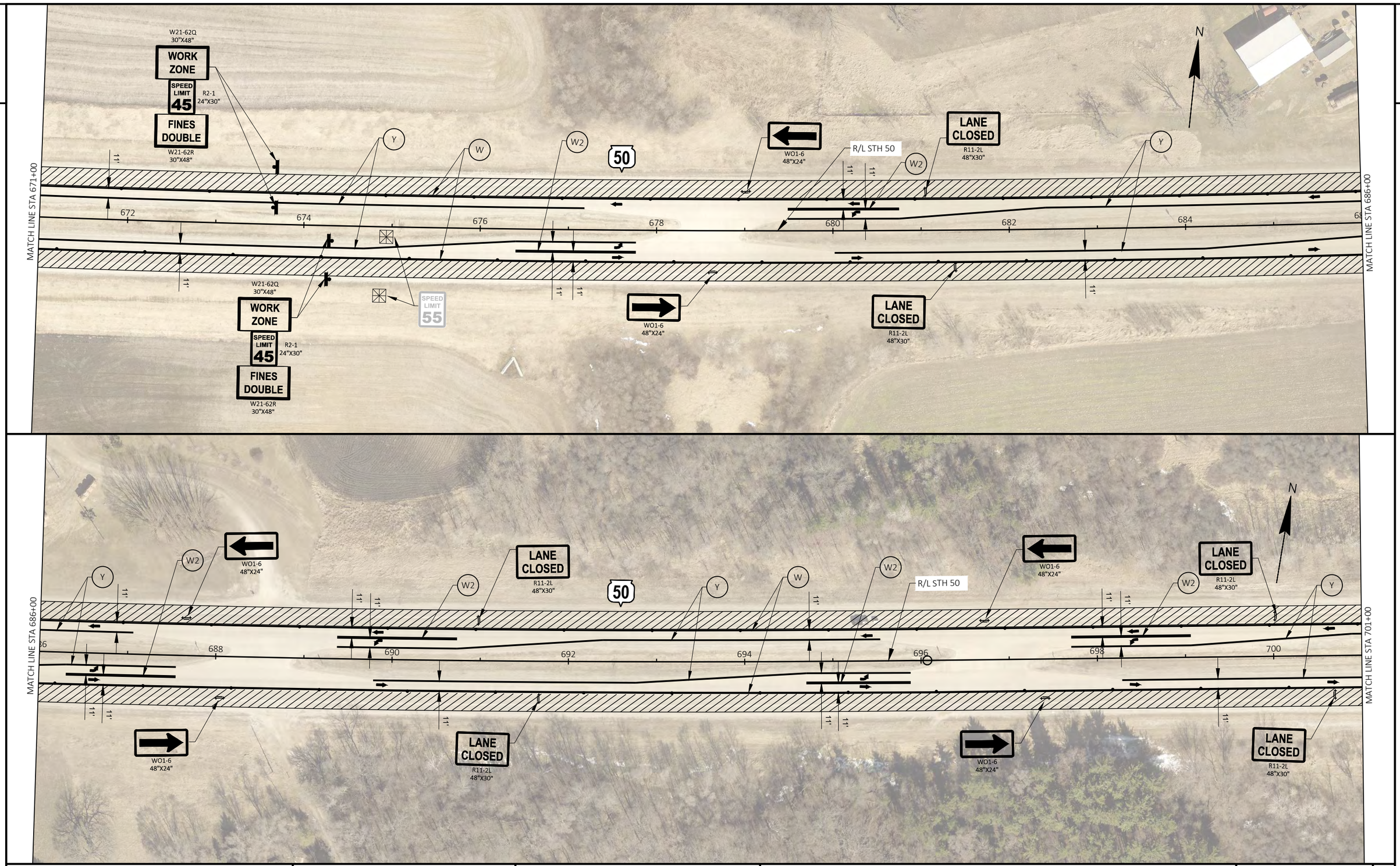
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 195	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026202-tcs3

PLOT DATE : 10/31/2020 4:56 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 196 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026203-tcs3

PLOT DATE : 10/31/2020 4:56 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LANE CLOSED
R11-2L
48"X30"

W

Y

R/L STH 50

11'

50

SPEED LIMIT 55

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT 45

R2-1
24"X30"

FINES DOUBLE

W21-62R
30"X48"

N

MATCH LINE STA 701+00

702

704

706

708

710

712

714

MATCH LINE STA 716+00

LANE CLOSED
R11-2L
48"X30"

SEE TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION FOR CONCRETE PAVEMENT REPAIR AT INTERSECTION OF STH 50. THROUGH LANE TO BE SHARED WITH LEFT LANE UNTIL CONCRETE CURED.

ROAD WORK AHEAD
W20-1A

STOP
R1-1
36"X36"

83

500'

END ROAD WORK
G20-2A
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

W2

Y2

S

6'

718

720

722

724

726

728

730

MATCH LINE STA 716+00

MATCH LINE STA 731+00

SEE SDD 15C12 TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION FOR HMA PAVING OPERATION OF TRAFFIC LANE ON GENEVA ROAD AND SHOULDER ON STH 50.

50 83

WO1-6
48"X24"

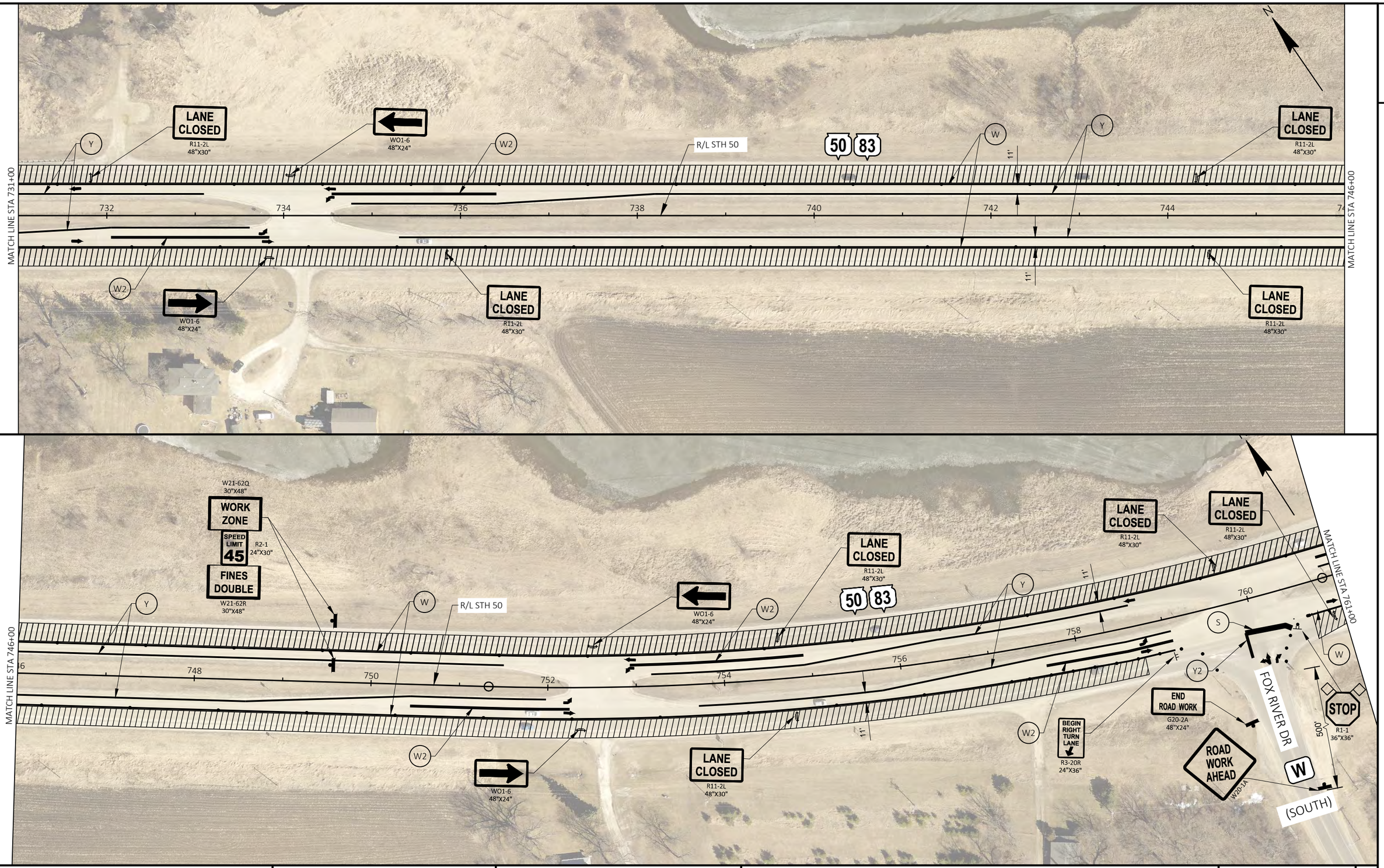
C-30-010

PALMER CREEK

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 197	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026204-tcs3
PLOT DATE : 10/31/2020 4:57 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

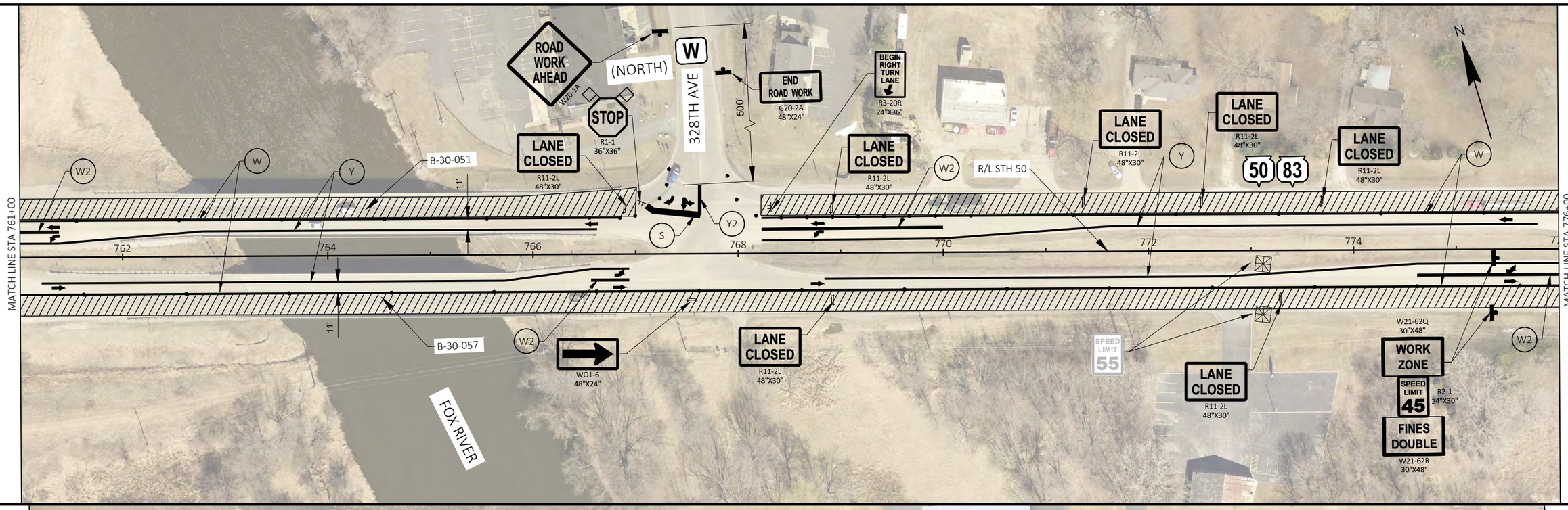


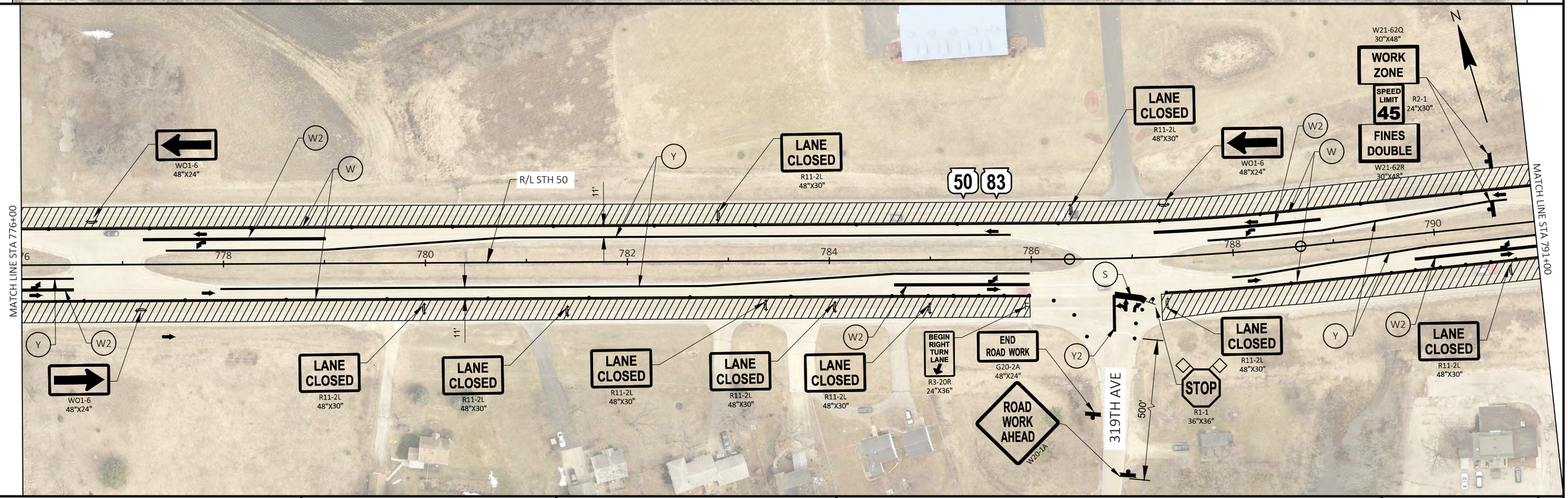
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 198	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026205-tcs3

PLOT DATE : 10/31/2020 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2





PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 199	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026206-tcs3

PLOT DATE : 10/31/2020 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

CANADIAN NATIONAL RR

B-30-058

LANE CLOSED
R11-2L
48"X30"

50 83

R/L STH 50

11'

W

Y

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

WO1-6
48"X24"

W2

792 794 796 798 800 802 804

S

MATCH LINE STA 791+00

LANE CLOSED
R11-2L
48"X30"

B-30-048

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

MATCH LINE STA 806+00

Y2

317TH AVE

500'

STOP
R1-1
36"X36"

ROAD WORK AHEAD
W20-1A

END ROAD WORK
G20-2A
48"X24"

N

LANE CLOSED
R11-2L
48"X30"

R/L STH 50

W2

WO1-6
48"X24"

808 810 812 814 816 818 820

W

Y

50 83

11'

MATCH LINE STA 806+00

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

W2

WO1-6
48"X24"

Y

MATCH LINE STA 821+00

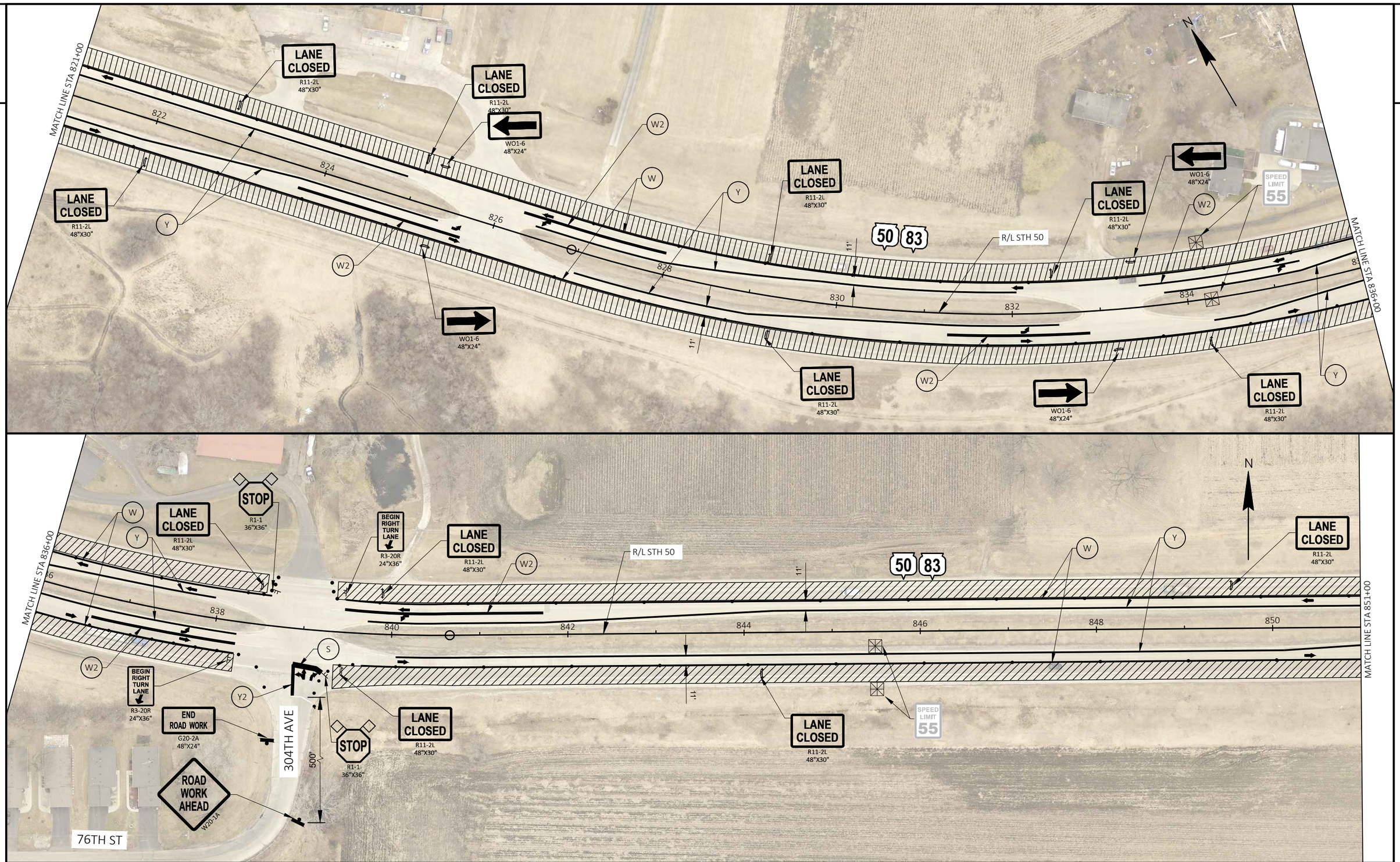
N

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 200	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026207-tcs3

PLOT DATE : 10/31/2020 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

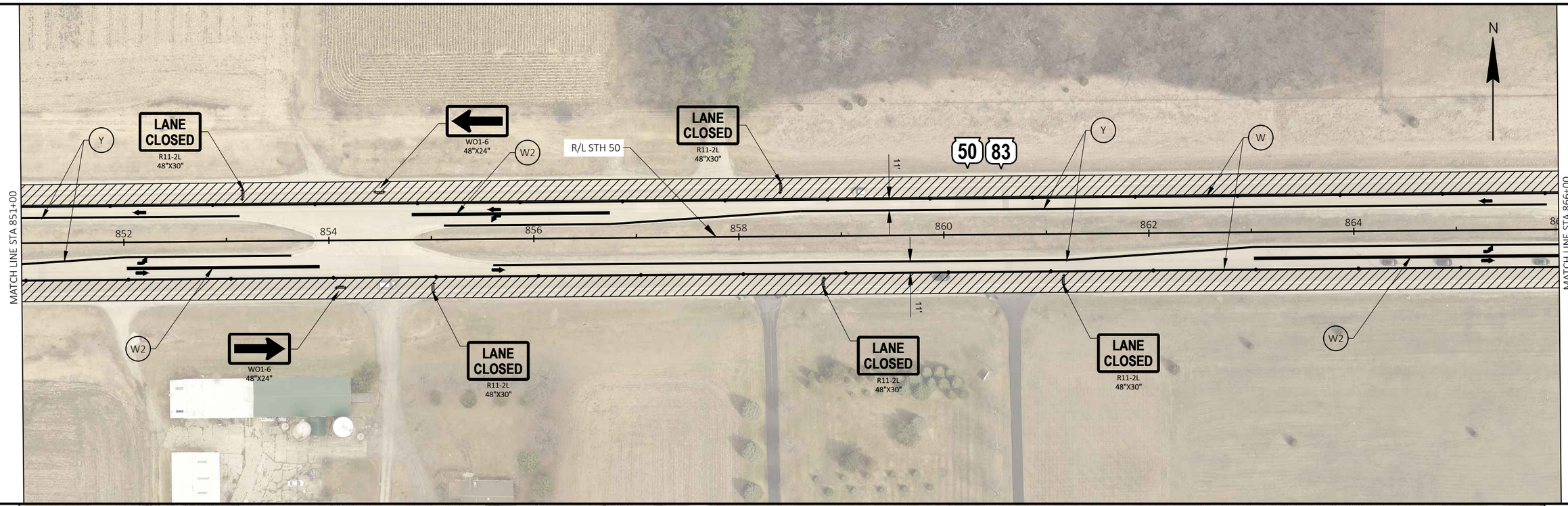


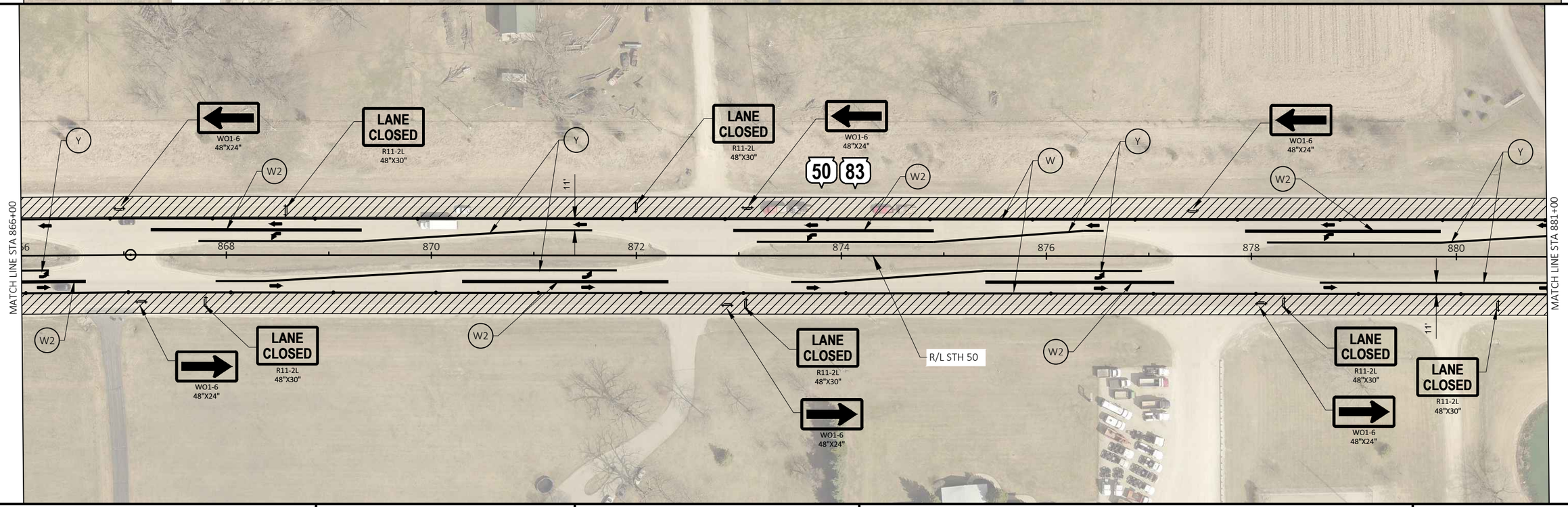
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 201 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026208-tcs3

PLOT DATE : 10/31/2020 4:57 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





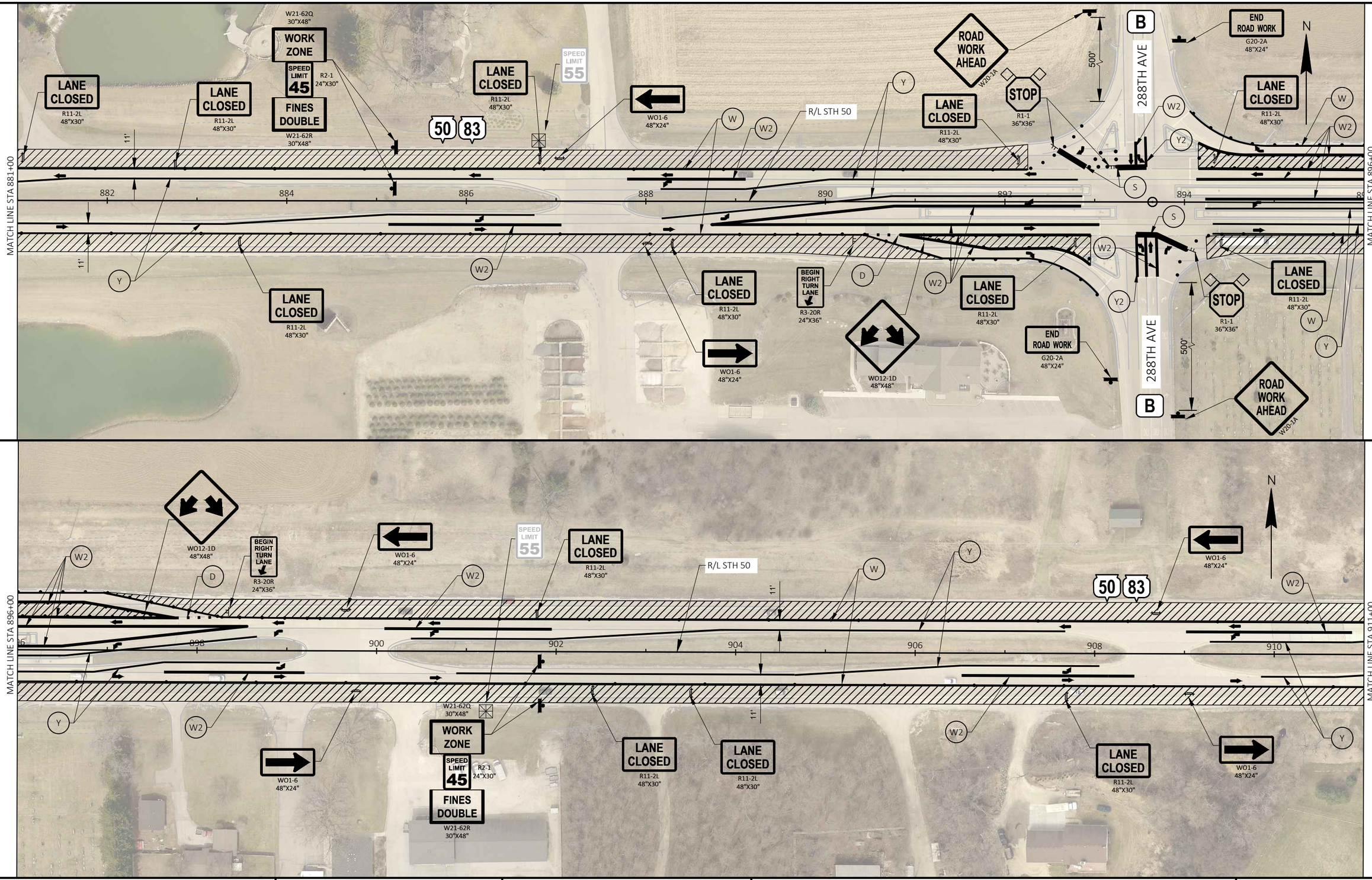
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 202	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026209-tcs3

PLOT DATE : 10/31/2020 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 203 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026210-tcs3

PLOT DATE : 10/31/2020 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

MATCH LINE STA 911+00

MATCH LINE STA 926+00

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

LANE CLOSED
R11-2L
48"X30"

W2

W

Y

R/L STH 50

11'

50 83

912 914 916 918 920 922 924

LANE CLOSED
R11-2L
48"X30"

WO1-6
48"X24"

Y

W2

WO1-6
48"X24"

W2

W2

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

N

MATCH LINE STA 926+00

MATCH LINE STA 941+00

LANE CLOSED
R11-2L
48"X30"

LANE CLOSED
R11-2L
48"X30"

W2

W

Y

R/L STH 50

11'

SPEED LIMIT 55

50 83

928 930 932 934 936 938 940

WO1-6
48"X24"

W2

W2

W2

LANE CLOSED
R11-2L
48"X30"

Y

WO1-6
48"X24"

N

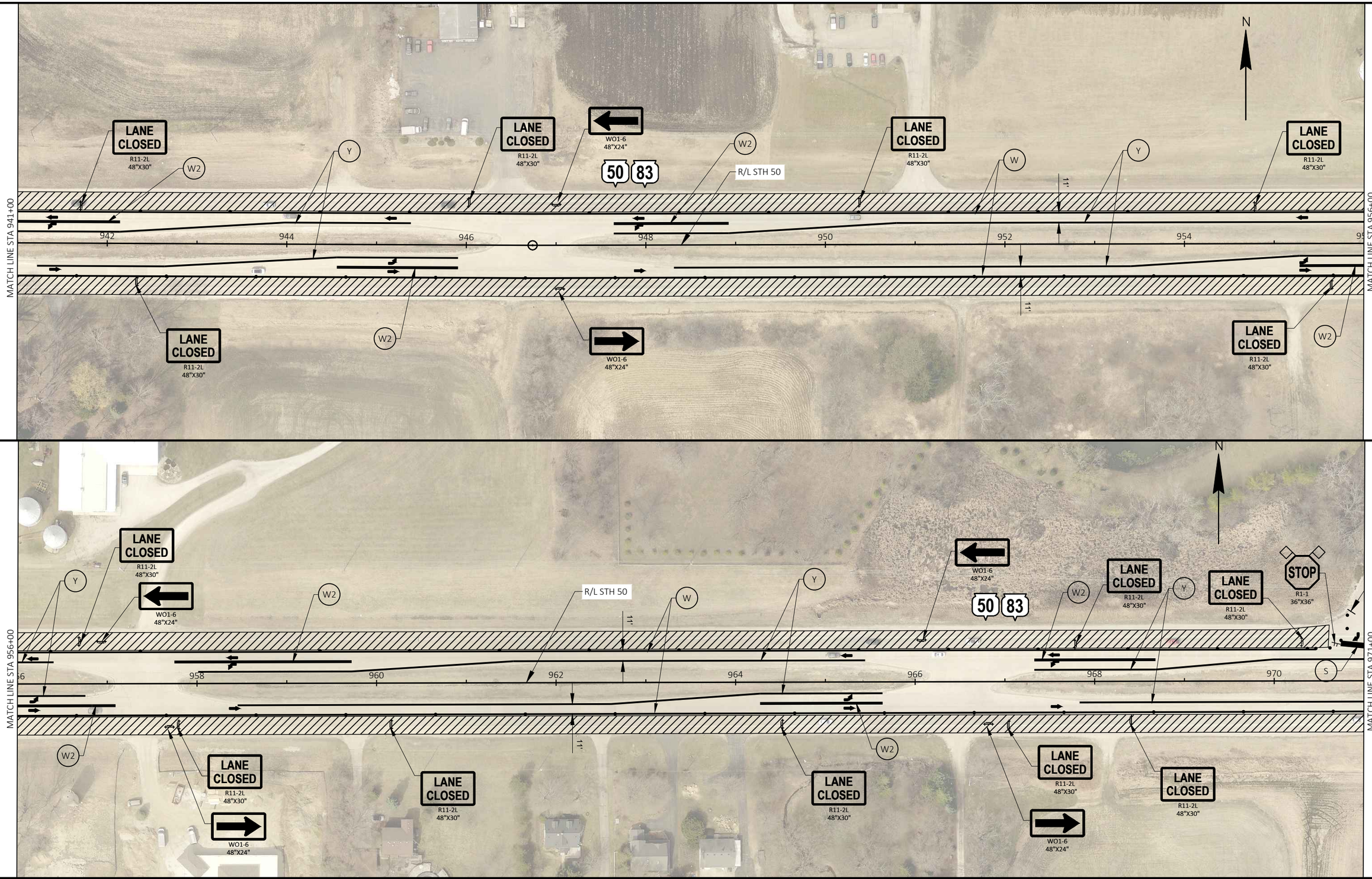
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 204	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026211-tcs3

PLOT DATE : 10/31/2020 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 205	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026212-tcs3

PLOT DATE : 10/31/2020 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

MATCH LINE STA 971+00

MATCH LINE STA 986+00

ROAD WORK AHEAD
W20-1A

200'

265TH AVE

END ROAD WORK
G20-2A
48"X24"

BEGIN RIGHT TURN LANE
R3-20R
24"X36"

WO1-6
48"X24"

SPEED LIMIT 55

R/L STH 50

LANE CLOSED
R11-2L
48"X30"

11'

50 83

261ST AVE

200'

STOP
R1-1
36"X36"

N

W21-62Q
30"X48"

WORK ZONE

SPEED LIMIT 45
R2-1
24"X30"

FINES DOUBLE
W21-62R
30"X48"

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/ EXPRESSWAY FOR ADVANCED WARNING SIGNING AND TRANSITION AREA. SPEED REDUCED TO 45 MPH. SUBSTITUTE W21-62 SIGN FOR G20-1 IN ADVANCED SIGNING AREA.

BEGIN NET EXCEPTION TO CENTERLINE
STA 994+20.64

SILVER LAKE RD

170'

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 206	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026301-TCS3.DWG
LAYOUT NAME - 026213-tcs3

PLOT DATE : 10/31/2020 4:58 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

END EXCEPTION TO NET CENTERLINE
STA 1068+21.42

SEE SDD TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/ EXPRESSWAY FOR ADVANCED WARNING SIGNING AND TRANSITION AREA. SPEED REDUCED TO 45 MPH. SUBSTITUTE W21-62 SIGN FOR G20-1 IN ADVANCED SIGNING AREA.

WO1-6 48"X24"

LANE CLOSED
R11-2L 48"X30"

SPEED LIMIT 55

50

R/L STH 50

11'

W21-62Q 30"X48"

WORK ZONE

SPEED LIMIT 45
R2-1 24"X30"

FINES DOUBLE
W21-62R 30"X48"

75TH ST

1066 1068 1070 1072 1074 1076 1078 1080

MATCH LINE STA 1081+00

N

2

MATCH LINE STA 1081+00

LANE CLOSED
R11-2L 48"X30"

1082 1084 1086 1088 1090 1092 1094

MATCH LINE STA 1096+00

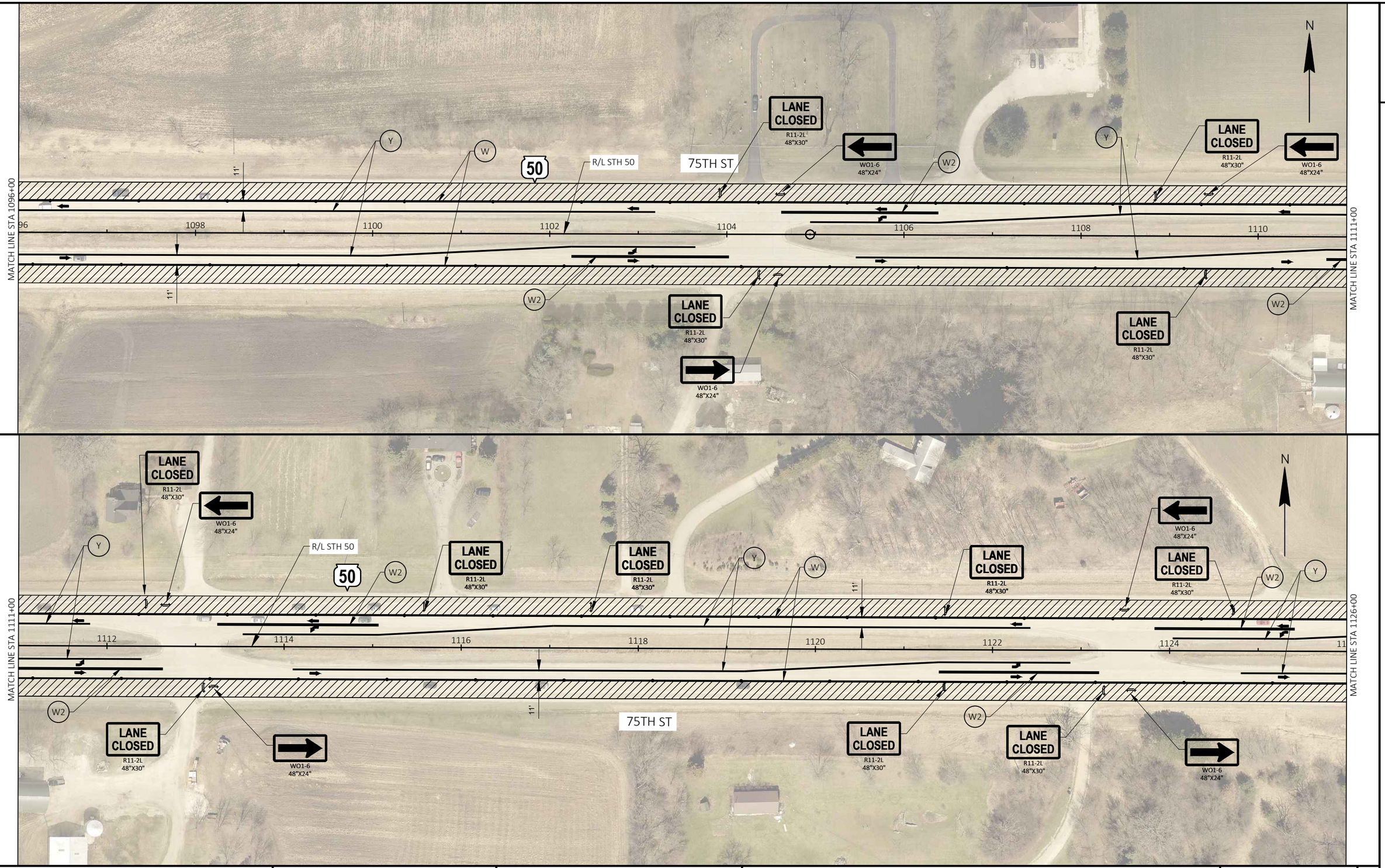
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 207	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026214-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

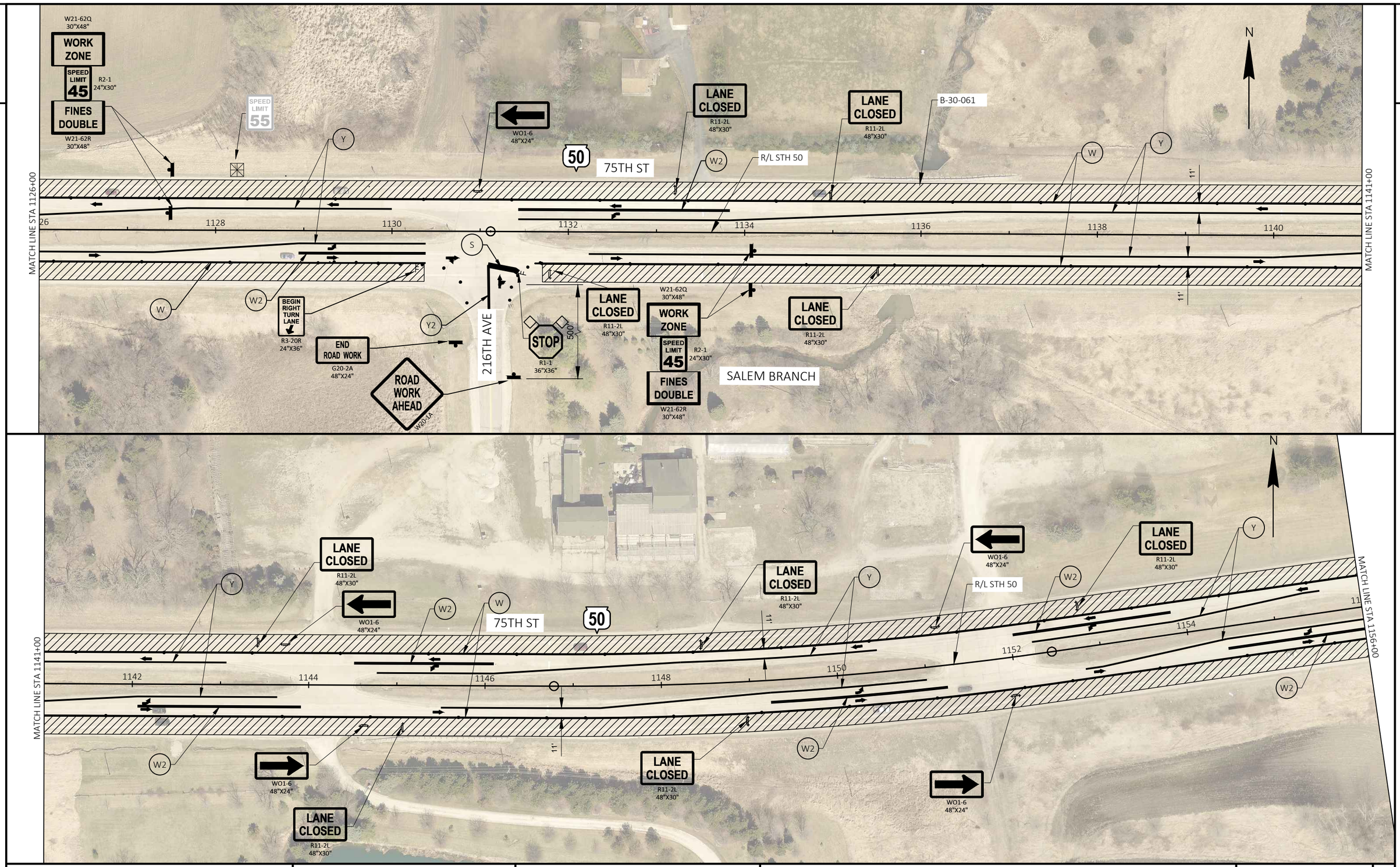
2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 208	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026215-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT



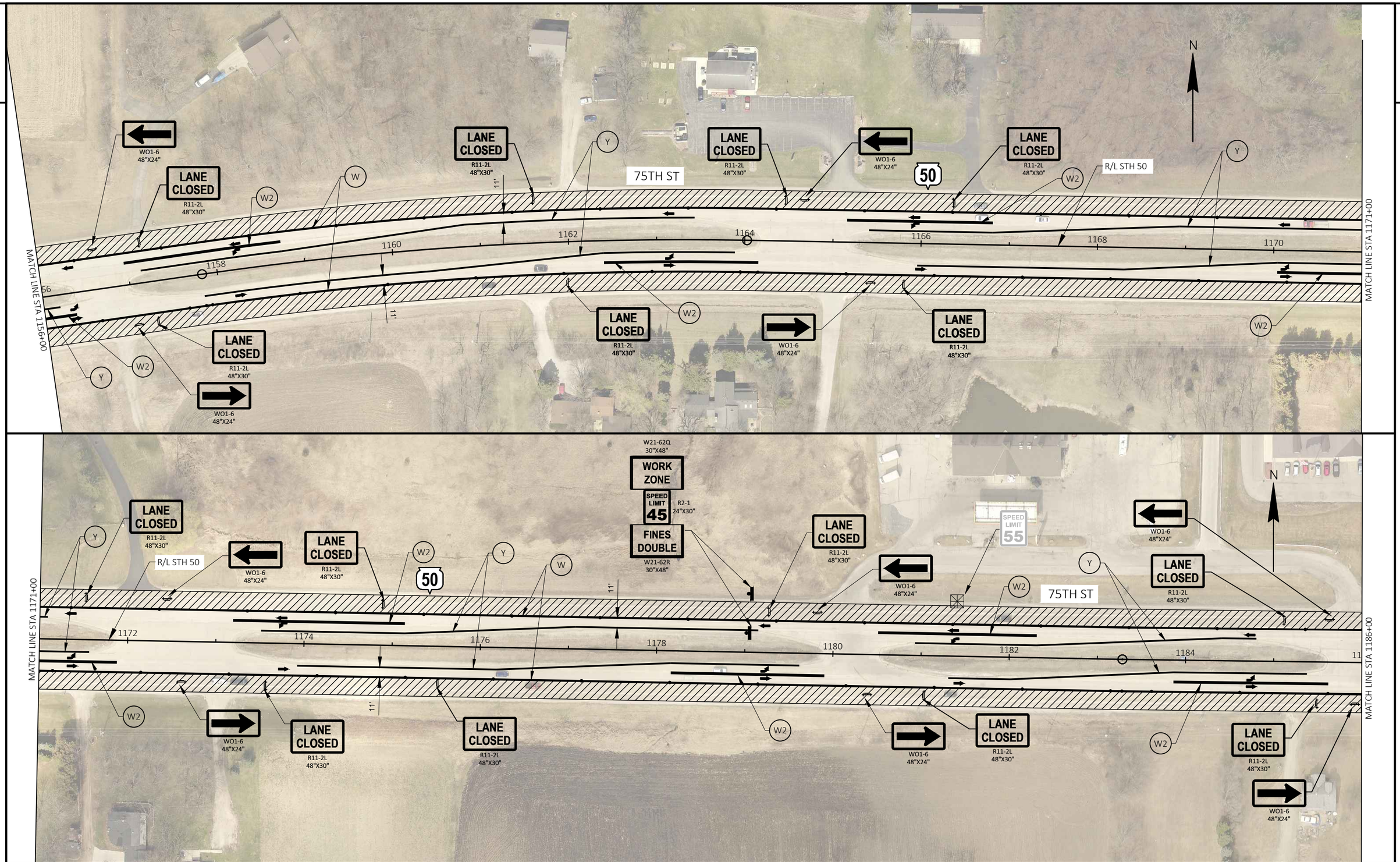
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 209 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026216-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 210	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026217-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

2

MATCH LINE STA 1186+00

MATCH LINE STA 1201+00

ROAD WORK AHEAD
W20-1A

STOP
R1-1
36"X36"

500'

45

200TH AVE/
BRISTOL RD

END
ROAD WORK
G20-2A
48"X24"

BEGIN
RIGHT
TURN
LANE
R3-20R
24"X36"

LANE
CLOSED
R11-2L
48"X30"

R/L STH 50

50

75TH ST

11'

1188

1190

1192

1194

1196

1198

1200

W2

W

Y

S

N

SPEED
LIMIT
55

MATCH LINE STA 1201+00

MATCH LINE STA 1216+00

WO1-6
48"X24"

W21-62Q
30"X48"

WORK
ZONE

SPEED
LIMIT
45
R2-1
24"X30"

FINES
DOUBLE
W21-62R
30"X48"

1202

1204

1206

1208

1210

1212

1214

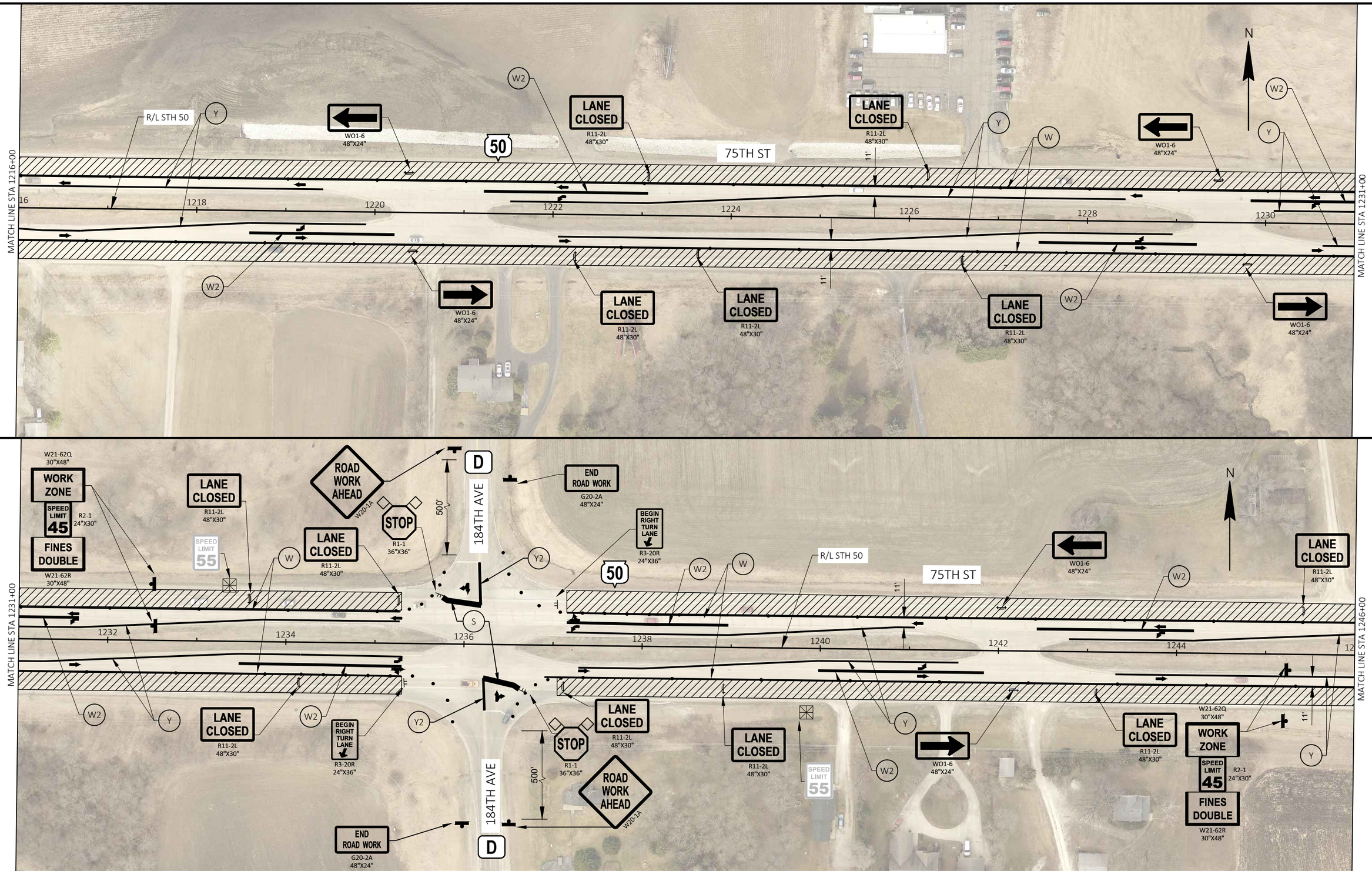
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 211 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026218-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2



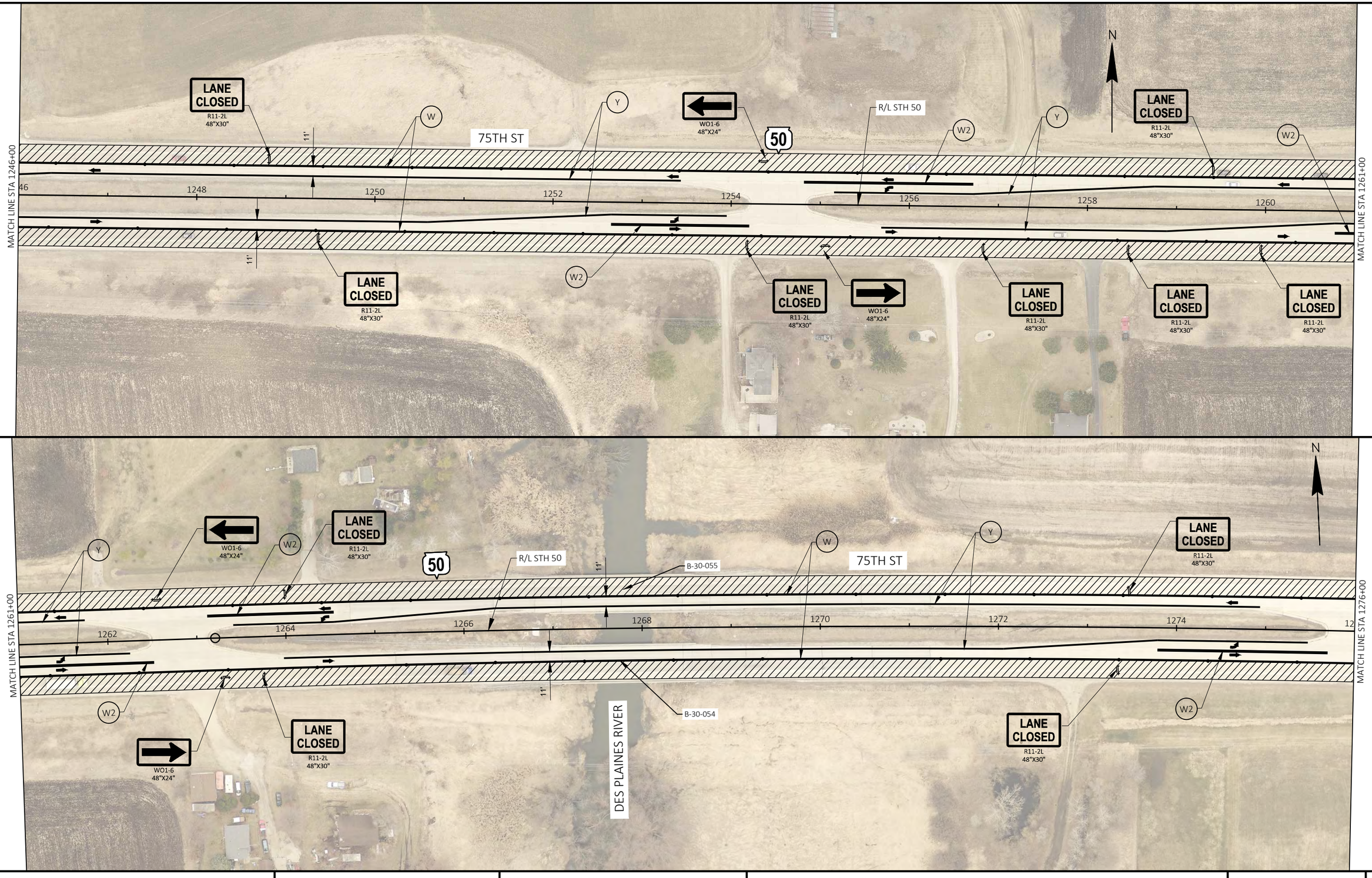
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 212 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026219-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

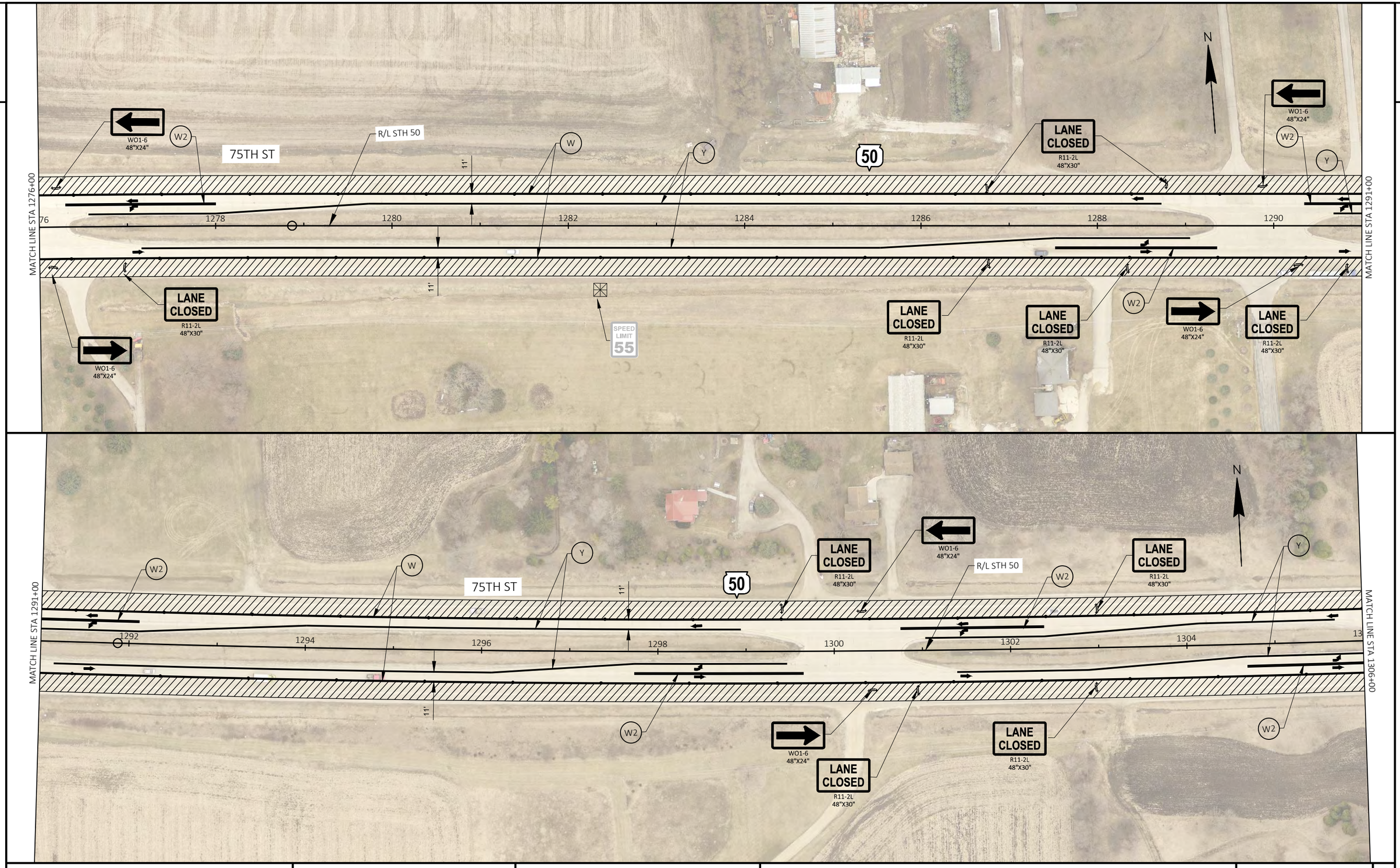


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 213	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026220-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



2

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 214	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026221-tcs3
PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

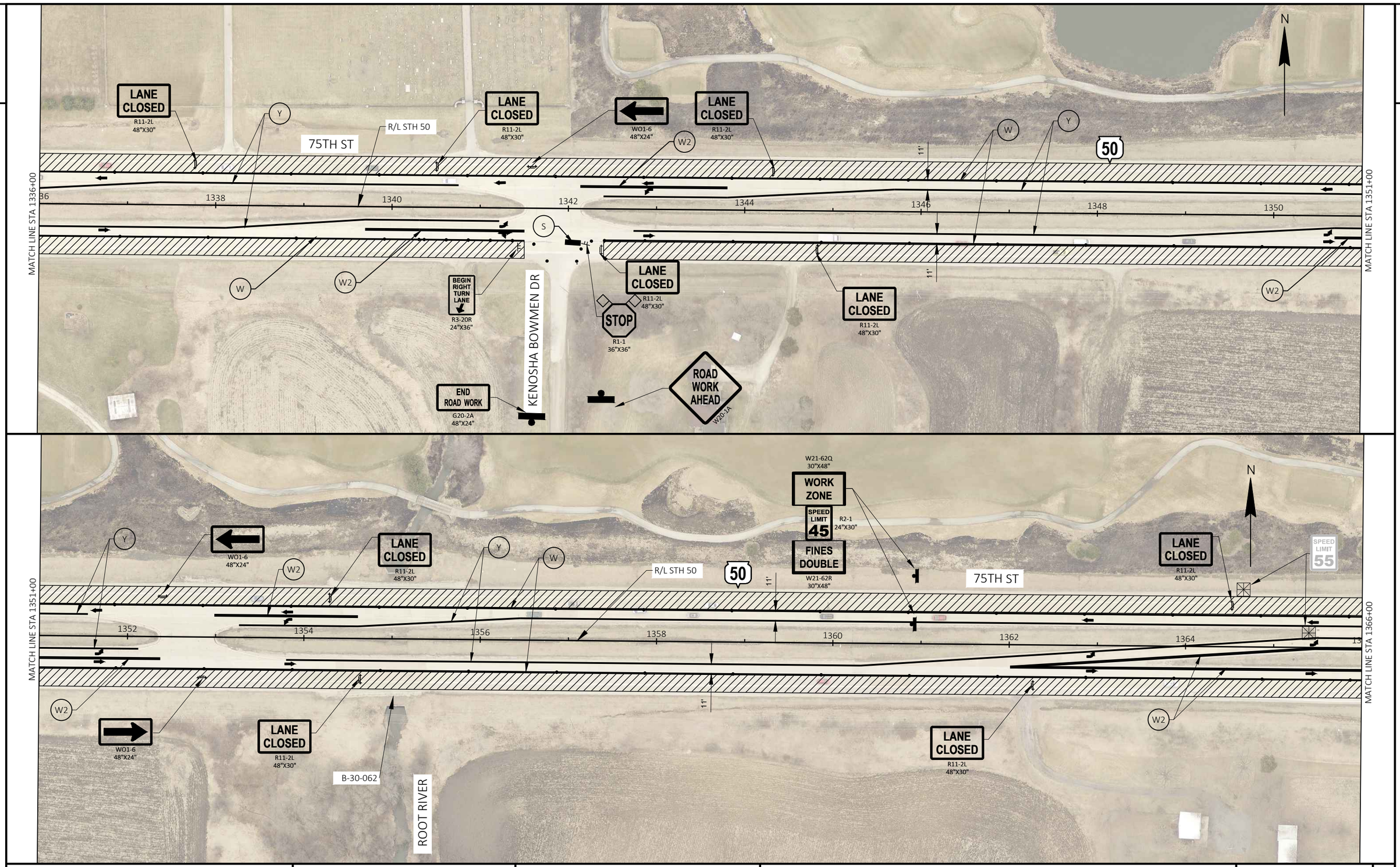
2

W21-62Q 30"X48"
WORK ZONE
SPEED LIMIT 45 R2-1 24"X30"
FINES DOUBLE
W21-62R 30"X48"
LANE CLOSED R11-2L 48"X30"
WO1-6 48"X24"
W2
W
Y
75TH ST
R/L STH 50
11'
50
SPEED LIMIT 55
1306
1308
1310
1312
1314
1316
1318
1320
MATCH LINE STA 1306+00
MATCH LINE STA 1321+00
S
Y2
BEGIN RIGHT TURN LANE R3-20R 24"X36"
160TH AVE
500'
STOP R1-1 36"X36"
ROAD WORK AHEAD W20-1A
END ROAD WORK G20-2A 48"X24"
MB
N

(NORTH)
156TH AVE
1322
1324
1326
1328
1330
1332
1334
MATCH LINE STA 1321+00
MATCH LINE STA 1336+00
R/L STH 50

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 215 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026222-tcs3
PLOT DATE : 10/31/2020 5:05 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 216	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026223-tcs3

PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

MATCH LINE STA 1366+00

MATCH LINE STA 1381+00

144TH AVE

75TH ST

R/L STH 50

50

WO1-6 48"X24"

R3-1 24"X24"

LANE CLOSED R11-2L 48"X30"

BEGIN RIGHT TURN LANE R3-20R 24"X36"

END ROAD WORK G20-2A 48"X24"

STOP R1-1 36"X36"

500'

ROAD WORK AHEAD W20-1A

SPEED LIMIT 55

W21-62Q 30"X48"

WORK ZONE

SPEED LIMIT 45 R2-1 24"X30"

FINES DOUBLE W21-62R 30"X48"

11'

1368 1370 1372 1374 1376 1378 1380

N

MATCH LINE STA 1381+00

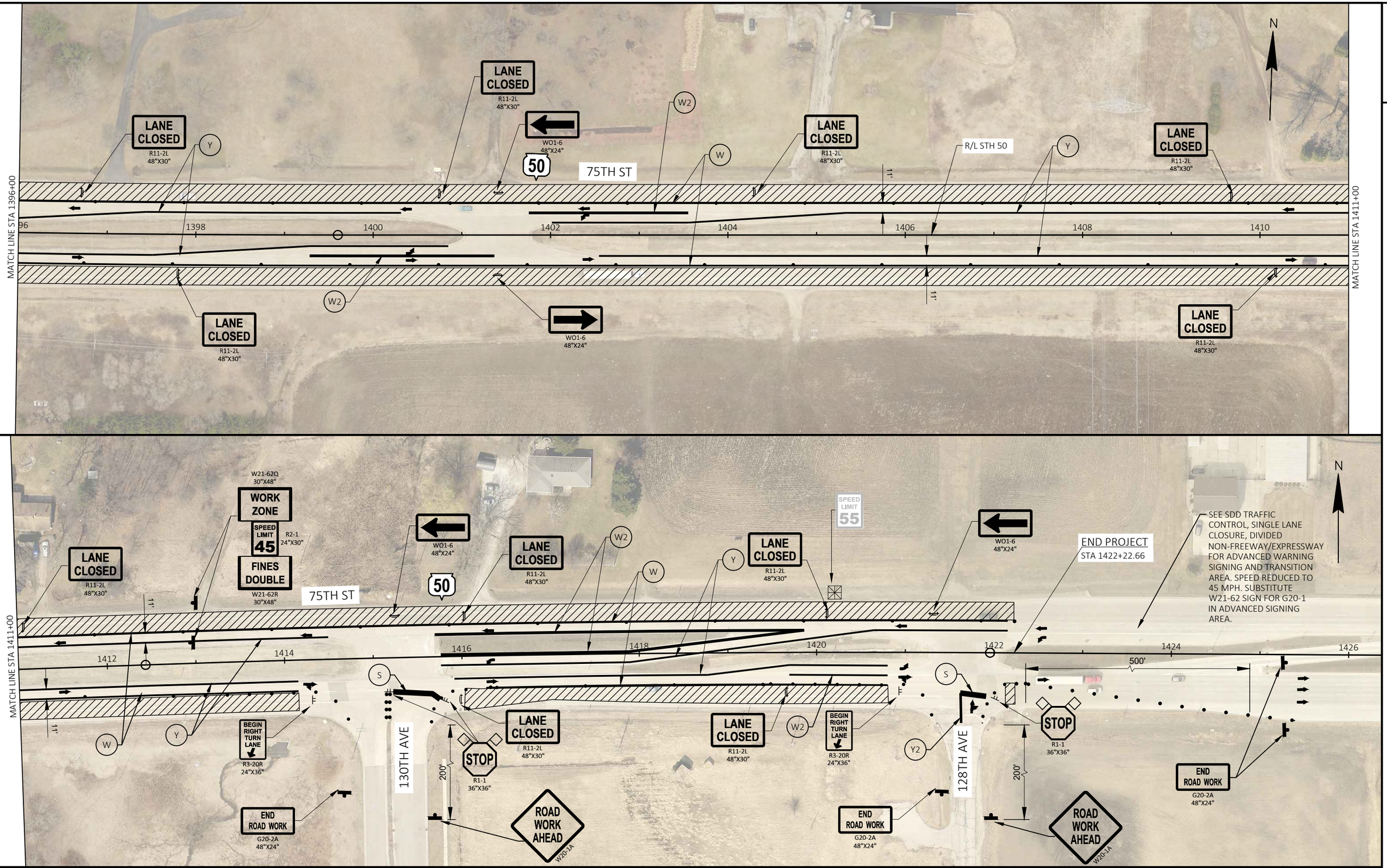
MATCH LINE STA 1396+00

1382 1384 1386 1388 1390 1392 1394

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 217 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026224-tcs3
PLOT DATE : 10/31/2020 5:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

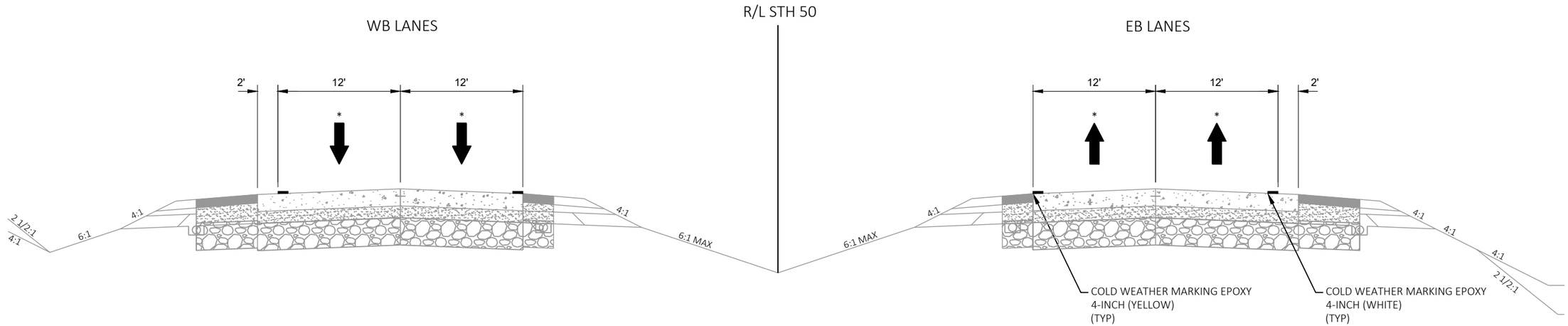
2



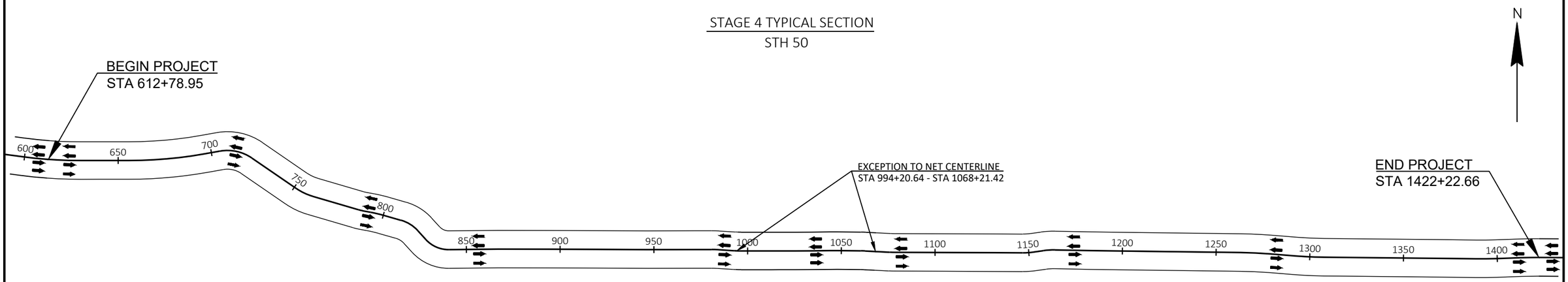
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 3	SHEET 218	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\026302-TCS3.DWG
LAYOUT NAME - 026225-tcs3
PLOT DATE : 10/31/2020 5:05 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2



STAGE 4 TYPICAL SECTION
STH 50



STAGE 4 CONSTRUCTION

- PLACEMENT OF PERMANENT PAVEMENT MARKINGS AND SIGNS.

STAGE 4 TRAFFIC

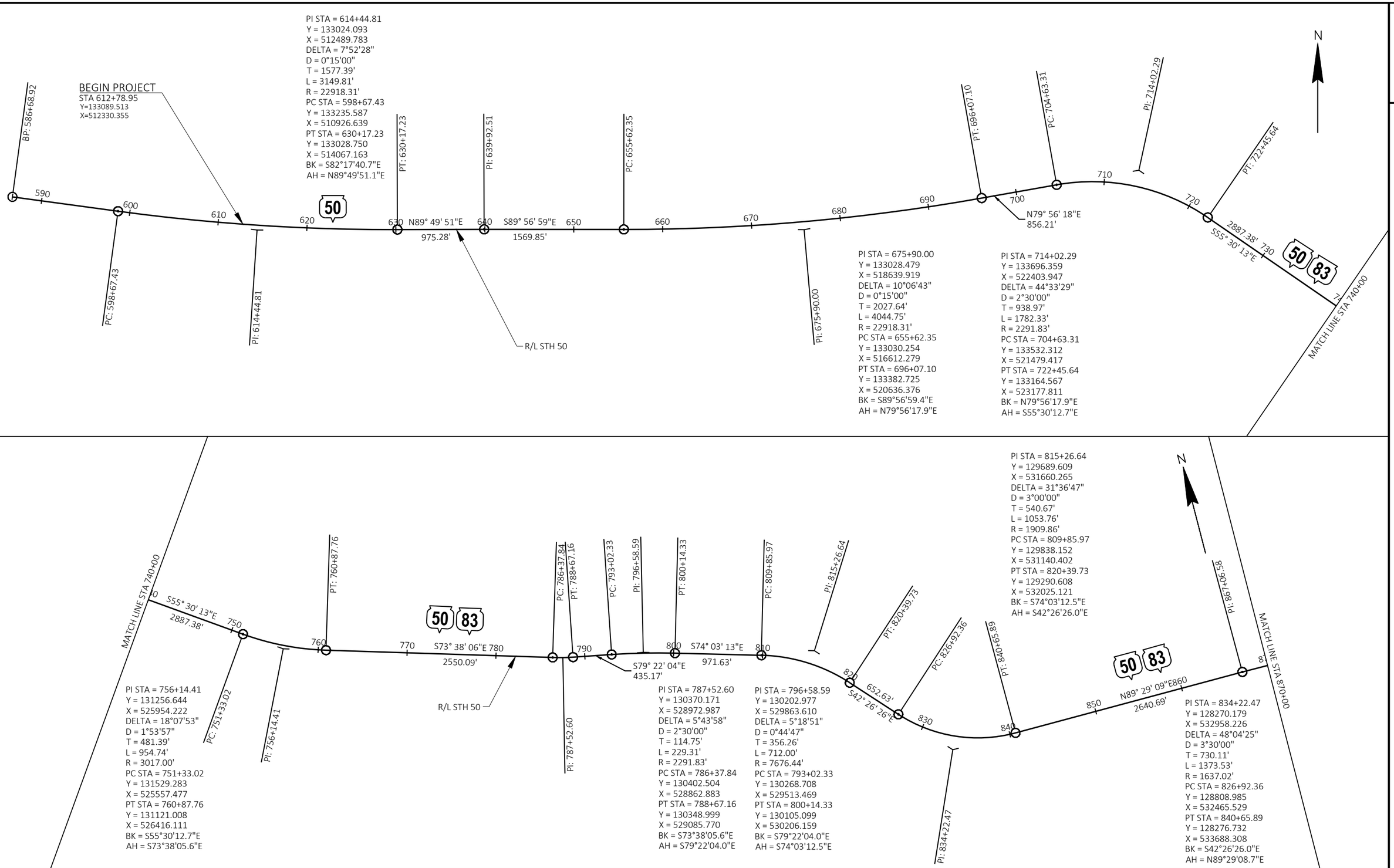
- TRAFFIC REDUCED TO ONE LANE ADJACENT TO MOVING OPERATION.
- USE SDD MOVING PAVEMENT MARKING OPERATION, MULTI-LANE DIVIDED ROADWAY FOR TRAFFIC CONTROL SIGNAGE AND DEVICES PRIOR TO ENTRY POINTS INTO THE WORK ZONE.

NOTE

* TRAFFIC WILL BE REDUCED TO ONE LANE PRIOR TO APPROACHING MOVING OPERATION, DEPENDENT ON WHICH LANE IS BEING WORKED ON.

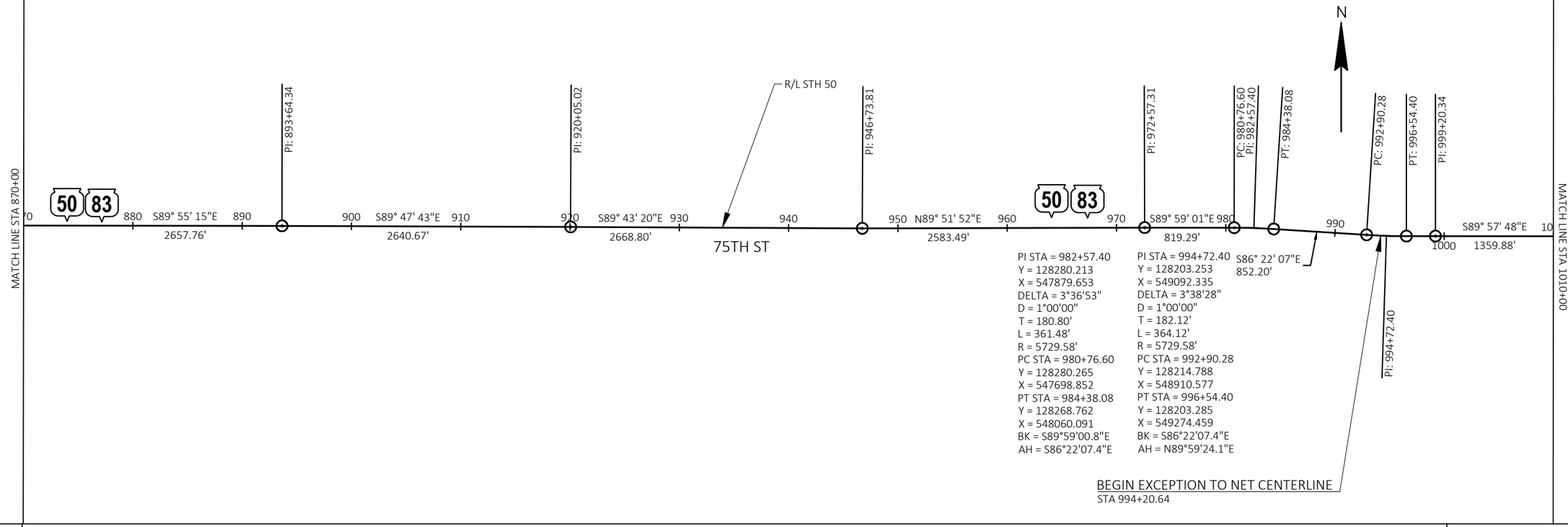
WORK ZONE

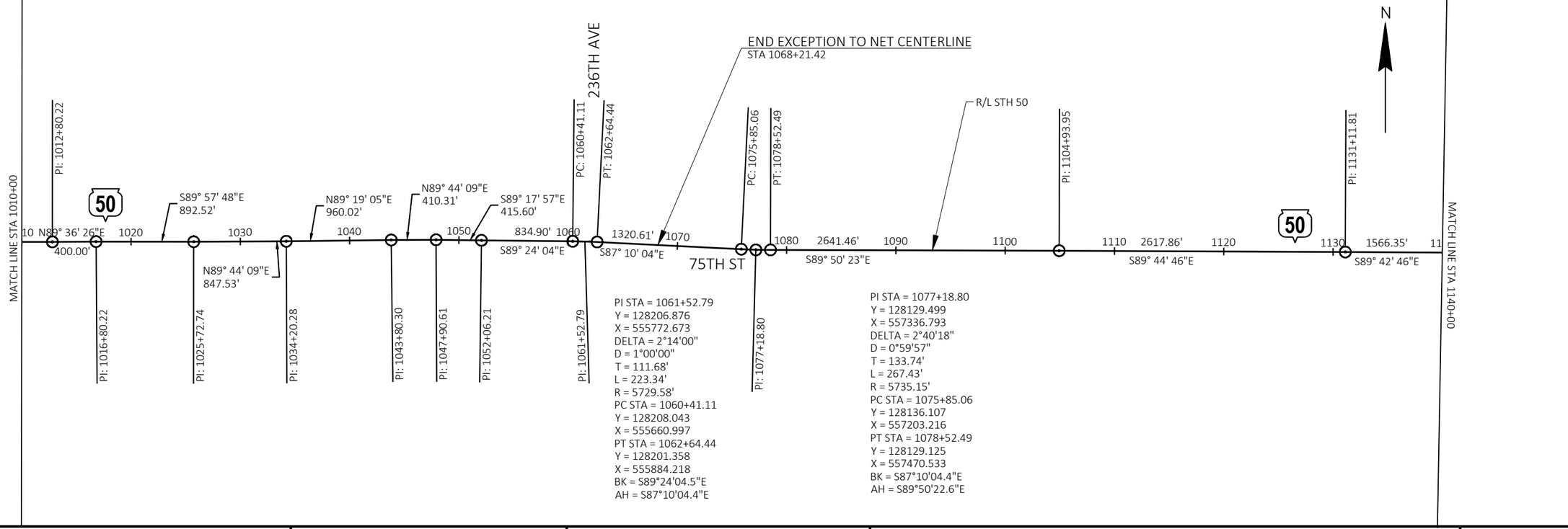
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	TRAFFIC CONTROL - STAGE 4 TYPICAL SECTION AND OVERVIEW	SHEET 219	E



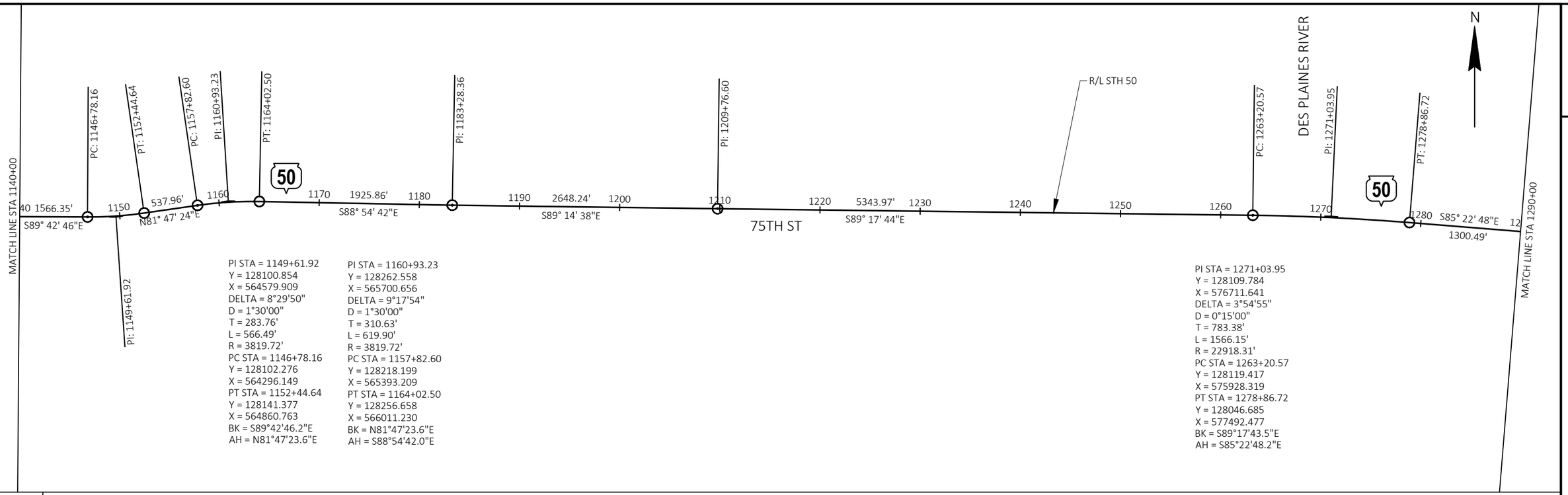
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	ALIGNMENT	SHEET 220	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\027201-AD.DWG
LAYOUT NAME - 027201-ad
PLOT DATE : 10/31/2020 1:13 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1" = 1000'_XREF
WISDOT/CADDS SHEET 42





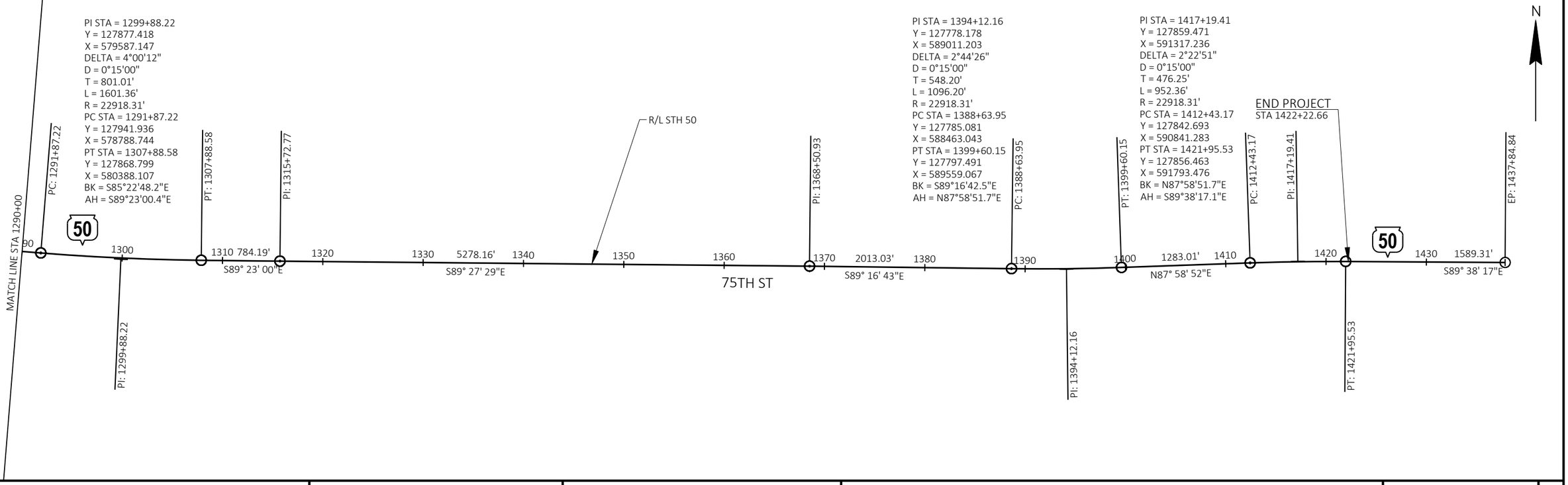
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	ALIGNMENT	SHEET 221	E



PI STA = 1149+61.92
Y = 128100.854
X = 564579.909
DELTA = 8°29'50"
D = 1°30'00"
T = 283.76'
L = 566.49'
R = 3819.72'
PC STA = 1146+78.16
Y = 128102.276
X = 564296.149
PT STA = 1152+44.64
Y = 128141.377
X = 564860.763
BK = S89°42'46.2"E
AH = N81°47'23.6"E

PI STA = 1160+93.23
Y = 128262.558
X = 565700.656
DELTA = 9°17'54"
D = 1°30'00"
T = 310.63'
L = 619.90'
R = 3819.72'
PC STA = 1157+82.60
Y = 128218.199
X = 565393.209
PT STA = 1164+02.50
Y = 128256.658
X = 566011.230
BK = N81°47'23.6"E
AH = S88°54'42.0"E

PI STA = 1271+03.95
Y = 128109.784
X = 576711.641
DELTA = 3°54'55"
D = 0°15'00"
T = 783.38'
L = 1566.15'
R = 22918.31'
PC STA = 1263+20.57
Y = 128119.417
X = 575928.319
PT STA = 1278+86.72
Y = 128046.685
X = 577492.477
BK = S89°17'43.5"E
AH = S85°22'48.2"E



PI STA = 1299+88.22
Y = 127877.418
X = 579587.147
DELTA = 4°00'12"
D = 0°15'00"
T = 801.01'
L = 1601.36'
R = 22918.31'
PC STA = 1291+87.22
Y = 127941.936
X = 578788.744
PT STA = 1307+88.58
Y = 127868.799
X = 580388.107
BK = S85°22'48.2"E
AH = S89°23'00.4"E

PI STA = 1394+12.16
Y = 127778.178
X = 589011.203
DELTA = 2°44'26"
D = 0°15'00"
T = 548.20'
L = 1096.20'
R = 22918.31'
PC STA = 1388+63.95
Y = 127785.081
X = 588463.043
PT STA = 1399+60.15
Y = 127797.491
X = 589559.067
BK = S89°16'42.5"E
AH = N87°58'51.7"E

PI STA = 1417+19.41
Y = 127859.471
X = 591317.236
DELTA = 2°22'51"
D = 0°15'00"
T = 476.25'
L = 952.36'
R = 22918.31'
PC STA = 1412+43.17
Y = 127842.693
X = 590841.283
PT STA = 1421+95.53
Y = 127856.463
X = 591793.476
BK = N87°58'51.7"E
AH = S89°38'17.1"E

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	ALIGNMENT	SHEET 222	E

1310-18-70

Line	Item	Item Description	Unit	Total	Qty
0002	108.4400	CPM Progress Schedule	EACH	1.000	1.000
0004	204.0150	Removing Curb & Gutter	LF	35.000	35.000
0006	204.0165	Removing Guardrail	LF	589.000	589.000
0008	204.0195	Removing Concrete Bases	EACH	11.000	11.000
0010	204.9105.S	Removing (item description) 01. Traffic Signals At Intersection Of STH 50 & STH 83/Geneva Road	LS	1.000	1.000
0012	204.9105.S	Removing (item description) 02. Loop Detector Wire and Lead-in Cable, STH 50 and STH 83/Geneva Road	LS	1.000	1.000
0014	204.9105.S	Removing (item description) 03. Loop Detector Wire and Lead-in Cable, STH 50 and CTH B/288th Avenue	LS	1.000	1.000
0016	205.0100	Excavation Common	CY	29,000.000	29,000.000
0018	213.0100	Finishing Roadway (project) 01. 1310-18-70	EACH	1.000	1.000
0020	305.0110	Base Aggregate Dense 3/4-Inch	TON	12,000.000	12,000.000
0022	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	14,030.000	14,030.000
0024	305.0500	Shaping Shoulders	STA	2,550.000	2,550.000
0026	311.0110	Breaker Run	TON	9,800.000	9,800.000
0028	416.0610	Drilled Tie Bars	EACH	2,160.000	2,160.000
0030	416.0620	Drilled Dowel Bars	EACH	6,000.000	6,000.000
0032	416.1710	Concrete Pavement Repair	SY	550.000	550.000
0034	416.1715	Concrete Pavement Repair SHES	SY	100.000	100.000
0036	416.1720	Concrete Pavement Replacement	SY	4,400.000	4,400.000
0038	416.1725	Concrete Pavement Replacement SHES	SY	350.000	350.000
0040	420.1000	Continuous Diamond Grinding Concrete Pavement	SY	529,000.000	529,000.000
0042	450.4000	HMA Cold Weather Paving	TON	10,500.000	10,500.000
0044	455.0605	Tack Coat	GAL	800.000	800.000
0046	460.2000	Incentive Density HMA Pavement	DOL	19,080.000	19,080.000
0048	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,800.000	1,800.000
0050	460.6224	HMA Pavement 4 MT 58-28 S	TON	28,000.000	28,000.000
0052	465.0125	Asphaltic Surface Temporary	TON	5,000.000	5,000.000
0054	465.0400	Asphaltic Shoulder Rumble Strips	LF	132,830.000	132,830.000
0056	601.0413	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type G	LF	23.000	23.000
0058	611.8115	Adjusting Inlet Covers	EACH	2.000	2.000
0060	611.9710	Salvaged Inlet Covers	EACH	2.000	2.000
0062	612.0104	Pipe Underdrain 4-Inch	LF	1,000.000	1,000.000
0064	612.0106	Pipe Underdrain 6-Inch	LF	4,350.000	4,350.000
0066	614.0010	Barrier System Grading Shaping Finishing	EACH	11.000	11.000
0068	614.0115	Anchorages for Steel Plate Beam Guard Type 2	EACH	3.000	3.000
0070	614.0305	Steel Plate Beam Guard Class A	LF	175.000	175.000
0072	614.0370	Steel Plate Beam Guard Energy Absorbing Terminal	EACH	8.000	8.000
0074	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1310-18-70	EACH	1.000	1.000

1310-18-70

Line	Item	Item Description	Unit	Total	Qty
0076	619.1000	Mobilization	EACH	1.000	1.000
0078	625.0500	Salvaged Topsoil	SY	1,600.000	1,600.000
0080	627.0200	Mulching	SY	10,000.000	10,000.000
0082	628.1104	Erosion Bales	EACH	500.000	500.000
0084	628.1504	Silt Fence	LF	1,470.000	1,470.000
0086	628.1520	Silt Fence Maintenance	LF	1,470.000	1,470.000
0088	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0090	628.1910	Mobilizations Emergency Erosion Control	EACH	10.000	10.000
0092	628.2004	Erosion Mat Class I Type B	SY	1,520.000	1,520.000
0094	628.7010	Inlet Protection Type B	EACH	140.000	140.000
0096	628.7015	Inlet Protection Type C	EACH	90.000	90.000
0098	628.7504	Temporary Ditch Checks	LF	250.000	250.000
0100	628.7555	Culvert Pipe Checks	EACH	240.000	240.000
0102	628.7570	Rock Bags	EACH	100.000	100.000
0104	629.0210	Fertilizer Type B	CWT	1.000	1.000
0106	630.0130	Seeding Mixture No. 30	LB	25.000	25.000
0108	630.0200	Seeding Temporary	LB	1,000.000	1,000.000
0110	630.0500	Seed Water	MGAL	40.000	40.000
0112	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	66.000	66.000
0114	637.2210	Signs Type II Reflective H	SF	166.000	166.000
0116	637.2215	Signs Type II Reflective H Folding	SF	59.680	59.680
0118	638.2102	Moving Signs Type II	EACH	53.000	53.000
0120	638.2602	Removing Signs Type II	EACH	14.000	14.000
0122	638.3000	Removing Small Sign Supports	EACH	54.000	54.000
0124	642.5401	Field Office Type D	EACH	1.000	1.000
0126	643.0300	Traffic Control Drums	DAY	512,000.000	512,000.000
0128	643.0420	Traffic Control Barricades Type III	DAY	124,000.000	124,000.000
0130	643.0705	Traffic Control Warning Lights Type A	DAY	236,000.000	236,000.000
0132	643.0715	Traffic Control Warning Lights Type C	DAY	20,000.000	20,000.000
0134	643.0800	Traffic Control Arrow Boards	DAY	1,200.000	1,200.000
0136	643.0900	Traffic Control Signs	DAY	181,500.000	181,500.000
0138	643.0920	Traffic Control Covering Signs Type II	EACH	100.000	100.000
0140	643.1051	Traffic Control Signs PCMS with Cellular Communications	DAY	2,500.000	2,500.000
0142	643.1055.S	Truck or Trailer Mounted Attenuator	DAY	60.000	60.000
0144	643.5000	Traffic Control	EACH	1.000	1.000
0146	645.0113	Geotextile Type DF Schedule C	SY	300.000	300.000
0148	645.0140	Geotextile Type SAS	SY	15,270.000	15,270.000
0150	646.1040	Marking Line Grooved Wet Ref Epoxy 4-Inch	LF	37,000.000	37,000.000
0152	646.3040	Marking Line Grooved Wet Ref Epoxy 8-Inch	LF	40,825.000	40,825.000

1310-18-70

Line	Item	Item Description	Unit	Total	Qty
0154	646.5020	Marking Arrow Epoxy	EACH	100.000	100.000
0156	646.5120	Marking Word Epoxy	EACH	50.000	50.000
0158	646.5420	Marking Aerial Enforcement Bar Epoxy	EACH	12.000	12.000
0160	646.6120	Marking Stop Line Epoxy 18-Inch	LF	1,290.000	1,290.000
0162	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	55.000	55.000
0164	646.6464	Cold Weather Marking Epoxy 4-Inch	LF	272,170.000	272,170.000
0166	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	105.000	105.000
0168	646.8120	Marking Curb Epoxy	LF	405.000	405.000
0170	646.8220	Marking Island Nose Epoxy	EACH	20.000	20.000
0172	646.9000	Marking Removal Line 4-Inch	LF	16,680.000	16,680.000
0174	646.9100	Marking Removal Line 8-Inch	LF	110.000	110.000
0176	646.9200	Marking Removal Line Wide	LF	1,400.000	1,400.000
0178	649.0105	Temporary Marking Line Paint 4-Inch	LF	281,390.000	281,390.000
0180	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	273,315.000	273,315.000
0182	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	43,425.000	43,425.000
0184	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	2,965.000	2,965.000
0186	650.8500	Construction Staking Electrical Installations (project) 01. 1310-18-70 Signals	LS	1.000	1.000
0188	650.9910	Construction Staking Supplemental Control (project) 01. 1310-18-70	LS	1.000	1.000
0190	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	3,288.000	3,288.000
0192	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	1,687.000	1,687.000
0194	652.0800	Conduit Loop Detector	LF	1,957.000	1,957.000
0196	653.0135	Pull Boxes Steel 24x36-Inch	EACH	14.000	14.000
0198	653.0140	Pull Boxes Steel 24x42-Inch	EACH	31.000	31.000
0200	653.0905	Removing Pull Boxes	EACH	18.000	18.000
0202	654.0101	Concrete Bases Type 1	EACH	8.000	8.000
0204	654.0102	Concrete Bases Type 2	EACH	2.000	2.000
0206	654.0110	Concrete Bases Type 10	EACH	2.000	2.000
0208	654.0120	Concrete Bases Type 10-Special	EACH	2.000	2.000
0210	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0212	655.0230	Cable Traffic Signal 5-14 AWG	LF	5,180.000	5,180.000
0214	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,601.000	1,601.000
0216	655.0250	Cable Traffic Signal 9-14 AWG	LF	884.000	884.000
0218	655.0305	Cable Type UF 2-12 AWG Grounded	LF	924.000	924.000
0220	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	3,486.000	3,486.000
0222	655.0610	Electrical Wire Lighting 12 AWG	LF	780.000	780.000
0224	655.0700	Loop Detector Lead In Cable	LF	15,040.000	15,040.000
0226	655.0800	Loop Detector Wire	LF	7,262.000	7,262.000
0228	655.0900	Traffic Signal EVP Detector Cable	LF	1,332.000	1,332.000

1310-18-70

Line	Item	Item Description	Unit	Total	Qty
0230	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 50 and STH 83/Geneva Rd	LS	1.000	1.000
0232	657.0100	Pedestal Bases	EACH	8.000	8.000
0234	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	2.000	2.000
0236	657.0310	Poles Type 3	EACH	2.000	2.000
0238	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	5.000	5.000
0240	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	3.000	3.000
0242	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	4.000	4.000
0244	658.0171	Traffic Signal Face 1S 12-Inch	EACH	4.000	4.000
0246	658.0173	Traffic Signal Face 3S 12-Inch	EACH	11.000	11.000
0248	658.0174	Traffic Signal Face 4S 12-Inch	EACH	8.000	8.000
0250	658.5069	Signal Mounting Hardware (location) 01. STH 50 and STH 83/Geneva Road	LS	1.000	1.000
0252	659.1125	Luminaires Utility LED C	EACH	6.000	6.000
0254	661.0200	Temporary Traffic Signals for Intersections (location) 01. STH 50 and STH 83/Geneva Road	LS	1.000	1.000
0256	690.0150	Sawing Asphalt	LF	3,830.000	3,830.000
0258	690.0250	Sawing Concrete	LF	9,900.000	9,900.000
0260	740.0440	Incentive IRI Ride	DOL	112,000.000	112,000.000
0262	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	4,800.000	4,800.000
0264	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	7,600.000	7,600.000
0266	SPV.0060	Special 01. Install Poles Type 9 Soecial	EACH	2.000	2.000
0268	SPV.0060	Special 02. Install Poles Type 10	EACH	2.000	2.000
0270	SPV.0060	Special 03. Install Monotube Arms 30-Ft	EACH	2.000	2.000
0272	SPV.0060	Special 04. Install Monotube Arms 40-Ft Special	EACH	2.000	2.000
0274	SPV.0060	Special 05. Install Luminaire Arms Steel 15-Ft	EACH	2.000	2.000
0276	SPV.0090	Special 01. Concrete Curb & Gutter 54-Inch Type A Special	LF	12.000	12.000
0278	SPV.0105	Special 01. Temp Infrared EVP System for the Intersection of STH 50 and STH 83/Geneva Rd	LS	1.000	1.000
0280	SPV.0105	Special 02. Trans & Inst St Furn Traffic Signal Cabinet, STH 50 and STH 83/Geneva Rd	LS	1.000	1.000
0282	SPV.0105	Special 03. Trans & Inst St Furn EVP Detector Head Install STH 50 & STH 83/Geneva Rd	LS	1.000	1.000
0284	SPV.0105	Special 04. Trans Traffic St & Intersection Lighting Materials, STH 50 & STH 83/Geneva R	LS	1.000	1.000
0286	SPV.0105	Special 05. Trans & Inst St Furn Radar Det System STH 50 & STH 83/Geneva Rd	LS	1.000	1.000
0288	SPV.0105	Special 06. Trans & Inst St Furn Radar Det System STH 50 & CTH B/288TH Ave	LS	1.000	1.000

3

CPM PROGRESS SCHEDULE

CATEGORY	STATION	TO	STATION	LOCATION	108.4400 EACH
0010	BEGIN	-	END	LT & RT	1
				TOTAL 0010	1

REMOVING CURB & GUTTER

CATEGORY	STATION	TO	STATION	LOCATION	204.0150 LF	REMARKS
0010	1197+58	-	1197+70	LT	12	EAST LEG OF USH 45 INTERSECTION
	1363+90	-	1364+12	LT & RT	23	CTH D LEFT TURN LANE
				TOTAL 0010	35	

3

REMOVING GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 LF
0010	1135+08	-	1135+58	LT	50
	1135+30	-	1135+80	RT	50
	1136+62	-	1137+12	LT	50
	1144+50	-	1145+12	RT	62
	1264+13	-	1264+63	RT	50
	1266+47	-	1267+00	LT	53
	1268+87	-	1269+37	LT	50
	1271+29	-	1271+93	LT	64
	1354+25	-	1354+75	RT	50
	1354+33	-	1354+93	LT	60
	1355+27	-	1355+77	LT	50
				TOTAL 0010	589

FINISHING ROADWAY 1318-10-70

CATEGORY	STATION	TO	STATION	LOCATION	213.0100.01 EACH
0010	BEGIN	-	END	LT & RT	1
				TOTAL 0010	1

CONCRETE ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	* 205.0100 EXCAVATION COMMON CY	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	* 311.0110 BREAKER RUN TON	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH	416.1710 CONCRETE PAVEMENT REPAIR SY	416.1715 CONCRETE PAVEMENT REPAIR SHES SY	416.1720 CONCRETE PAVEMENT REPLACEMENT SY	416.1725 CONCRETE PAVEMENT REPLACEMENT SHES SY	* 645.0140 GEOTEXTILE TYPE SAS SY	690.0250 SAWING CONCRETE LF
0010	612+79	-	666+36	LT & RT	250	136	327	111	347	74	--	236	99	511	860
	666+36	-	718+31	LT & RT	59	32	77	48	136	58	--	--	38	120	250
	718+31	-	765+89	LT & RT	155	85	203	82	246	65	--	66	122	317	520
	765+89	-	893+62	LT & RT	675	368	884	300	1,016	79	--	1,025	--	1,381	2,100
	893+62	-	994+21	LT & RT	336	183	440	135	363	73	--	477	--	687	1,200
	1068+21	-	1193+60	LT & RT	467	255	611	220	744	37	--	727	--	955	1,500
	1193+60	-	1236+19	LT & RT	75	41	98	36	96	--	--	122	--	153	270
	1236+19	-	1315+73	LT & RT	279	152	365	134	437	39	--	372	45	570	1,100
	1315+73	-	1328+51	LT & RT	34	19	45	20	66	--	--	56	--	70	150
	1328+51	-	1422+23	LT & RT	579	316	757	350	887	49	--	898	--	1,183	1,900
	UNDISTRIBUTED				293	165	395	724	1,662	76	100	420	46	604	50
				TOTALS 0010	3,200	1,750	4,200	2,160	6,000	550	100	4,400	350	6,550	9,900

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

3

CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT

CATEGORY	STATION	TO	STATION	LOCATION	420.1000 SY
0010	612+79	-	666+36	LT & RT	35,889
	666+36	-	718+31	LT & RT	35,605
	718+31	-	765+89	LT & RT	31,740
	765+89	-	893+62	LT & RT	90,724
	893+62	-	994+21	LT & RT	75,301
	1068+21	-	1193+60	LT & RT	92,786
	1193+60	-	1236+19	LT & RT	35,713
	1236+19	-	1315+73	LT & RT	52,366
	1315+73	-	1328+51	LT & RT	10,122
	1328+51	-	1422+23	LT & RT	68,752
				TOTAL 0010	529,000

HMA ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	* 205.0100 EXCAVATION COMMON CY	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	* 311.0110 BREAKER RUN TON	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0400 ASPHALTIC SHOULDER RUMBLE STRIPS LF	645.0113 GEOTEXTILE TYPE DF SCHEDULE C SY	* 645.0140 GEOTEXTILE TYPE SAS SY	* 690.0150 SAWING ASPHALT LF	REMARKS
0010	612+79	-	666+36	LT & RT	1,744	926	830	183	427	761	54	135	2,146	9,480	50	667	225	
	666+36	-	718+31	LT & RT	1,889	1,003	881	195	453	867	97	327	2,231	9,450	127	708	270	
	718+31	-	765+89	LT & RT	1,491	792	714	166	367	690	67	174	1,802	11,530	62	573	325	INCLUDES GENEVA RD
	765+89	-	893+62	LT & RT	3,955	2,100	1,904	442	989	1,871	171	336	4,882	22,080	--	1,531	405	
	893+62	-	994+21	LT & RT	2,989	1,587	1,450	343	745	1,368	73	138	3,791	18,050	62	1,165	220	
	1068+21	-	1193+60	LT & RT	3,738	1,985	1,808	449	940	1,771	42	80	4,787	23,560	--	1,452	130	
	1193+60	-	1236+19	LT & RT	1,310	695	623	131	320	644	136	307	1,485	6,500	--	500	500	
	1236+19	-	1315+73	LT & RT	2,441	1,296	1,183	292	608	1,105	43	82	3,127	14,550	--	950	180	
	1315+73	-	1328+51	LT & RT	391	208	188	47	97	171	42	79	438	2,280	--	151	180	
	1328+51	-	1422+23	LT & RT	2,651	1,407	1,270	302	653	1,251	76	144	3,310	15,350	--	1,021	435	
				TOTALS 0010	22,600	12,000	10,850	2,550	5,600	10,500	800	1,800	28,000	132,830	300	8,720	2,870	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

TEMPORARY ASPHALT ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	* 205.0100 EXCAVATION COMMON CY	* 305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	* 690.0150 SAWING ASPHALT LF	REMARKS
0010	612+79	-	1422+23	LT/RT	3,200	1,430	5,000	960	STAGE 1
				TOTALS 0010	3,200	1,430	5,000	960	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

INLET REPAIR ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	601.0413 CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE G LF	611.8115 ADJUSTING INLET COVERS EACH	611.9710 SALVAGED INLET COVERS EACH	SPV.0090.01 SPECIAL (01. CONCRETE CURB & GUTTER 54-INCH TYPE A SPECIAL) LF	REMARKS
0010	1197+58	-	1197+70	LT	--	1	1	12	EAST LEG OF USH 45 INTERSECTION
	1363+90	-	1364+12	LT & RT	23	1	1	--	CTH D LEFT TURN LANE
				TOTALS 0010	23	2	2	12	

PIPE UNDERDRAIN ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	612.0104 PIPE UNDERDRAIN 4-INCH LF	612.0106 PIPE UNDERDRAIN 6-INCH LF
0010	BEGIN	-	END	LT/RT	1,000	4,350
				TOTALS 0010	1,000	4,350

BEAM GUARD ITEMS

					614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING							614.0115	614.0305	614.0370
CATEGORY	STATION	TO	STATION	LOCATION	EXCAVATION COMMON CY**	BORROW CY**	SALVAGED TOPSOIL SY**	FERTILIZER TYPE B CWT**	SEEDING LB**	EROSION MAT CLASS I TYPE B SY**	EACH	ANCHORAGES FOR STEEL PLATE BEAM GUARD TYPE 2 EACH	STEEL PLATE BEAM GUARD CLASS A LF	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL EACH
0010	1135+08	-	1135+58	RT	--	150	110	0.06	2	110	1	--	--	1
	1135+30	-	1135+80	LT	--	115	110	0.06	2	110	1	1	50	--
	1136+62	-	1137+12	LT	--	150	110	0.06	2	110	1	--	--	1
	1144+62	-	1145+12	RT	25	--	110	0.06	2	110	1	--	--	1
	1264+13	-	1264+63	RT	25	--	110	0.06	2	110	1	--	--	1
	1266+38	-	1267+00	LT	--	140	110	0.07	2	110	1	1	62.5	--
	1268+87	-	1269+37	LT	--	150	110	0.06	2	110	1	--	--	1
	1271+29	-	1271+79	LT	25	--	110	0.06	2	110	1	--	--	1
	1354+25	-	1354+75	RT	--	150	110	0.06	2	110	1	--	--	1
	1354+31	-	1354+93	LT	--	140	110	0.07	2	110	1	1	62.5	--
	1355+27	-	1355+77	LT	--	150	110	0.06	2	110	1	--	--	1
				TOTALS 0010							11	3	175	8

**FOR INFORMATION PURPOSES ONLY

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4"X6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	--	#2	ABOVE STOP SIGN
2	R1-1	--	--	x	--	--	--	--	1	1	1	--	--
3	R6-3	--	--	x	--	--	--	--	--	--	1	#2	--
4	R6-2L	--	--	x	--	--	--	1	1	--	--	--	REMOVE SIGN
5	R6-1L(2S)	--	36	x	12	3.000	--	--	--	--	--	#2	BEHIND R6-1R
6	R6-1L(2S)	--	36	x	12	3.000	--	--	--	--	--	#8	BEHIND R6-1R
7	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	--	#8	ABOVE STOP SIGN
8	R1-1	--	--	x	--	--	--	--	1	1	1	--	--
9	R6-3	--	--	x	--	--	--	--	--	--	1	--	--
10	R6-2L	--	--	x	--	--	--	1	1	--	--	--	REMOVE SIGN
11	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
12	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
13	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
14	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
15	R5-1(3)	--	36	x	36	9.000	--	1	--	--	--	--	REMOVE R4-7; MOUNT ON SIGNAL POLE
16	M1-94S	[83] GENEVA RD	96	x	18	12.000	--	--	--	--	--	--	INSTALL ON MAST ARM
17	R4-7(3)	--	36	x	48	12.000	--	1	--	--	--	--	MOUNT ON SIGNAL POLE
18	R4-7(3)	--	36	x	48	12.000	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
19	R6-2L(2S)	--	24	x	30	5.000	--	1	1	1	--	--	--
20	M1-94S	[83] GENEVA RD	96	x	18	12.000	--	--	--	--	--	--	INSTALL ON MAST ARM
21	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
22	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
23	R1-1F(3)	--	36	x	36	--	7.460	--	--	--	--	--	MOUNT ON SIGNAL POLE
24	R1-1F(3)	--	36	x	36	--	7.460	1	--	--	--	--	MOUNT ON SIGNAL POLE
25	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
26	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
27	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
28	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
29	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
30	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2215 SIGNS TYPE II REFLC H FOLDING [SF]	638.2602 REMOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	634.0618 WOOD POSTS 4"X6"x18' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
31	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
32	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
33	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
34	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
35	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
36	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
37	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
38	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	--	#39	ABOVE STOP SIGN
39	R1-1	--	--	x	--	--	--	--	1	1	1	--	--
40	R6-3	--	--	x	--	--	--	--	--	--	1	#39	--
41	R6-2L	--	--	x	--	--	--	1	1	--	--	--	REMOVE SIGN
42	R6-1L(2S)	--	36	x	12	3.000	--	--	--	--	--	#39	BEHIND R6-1R
43	R6-2L	--	--	x	--	--	--	1	1	--	--	--	REMOVE SIGN
44	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	--	#45	ABOVE STOP SIGN
45	R1-1	--	--	x	--	--	--	--	1	1	1	--	--
46	R6-3	--	--	x	--	--	--	--	--	--	1	#45	--
47	R6-1L(2S)	--	36	x	12	3.000	--	--	--	--	--	--	BEHIND R6-1R
48	R6-2L(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
49	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
50	R6-2R(2S)	--	24	x	30	5.000	--	--	--	1	--	--	--
--	--	--	--	x	--	--	--	--	--	--	--	--	--
	UNDISTRIBUTED					--	--	--	45	45	45	--	--
	TOTALS					166.000	59.680	14	54	66	53		

NOTE: CONTRACTOR SHALL TAKE INVENTORY OF ALL SIGNS IMPACTED BY THE WORK AND NOTE THE LOCATIONS OF THE SIGNS WITH PAINT ON THE SHOULDER AND NOTE SIGN MESSAGE AND CODE IN THE PRESENCE OF THE PROJECT ENGINEER FOR REINSTALLATION AT COMPLETION OF PROJECT.

EROSION CONTROL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2004 EROSION MAT CLASS I TYPE B SY	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
0010	612+79	-	666+36	LT & RT	--	--	--	--	3	16	--	34	--
	666+36	-	718+31	LT & RT	--	--	--	--	6	1	--	22	--
	718+31	-	765+89	LT & RT	--	--	--	--	11	--	--	10	--
	765+89	-	893+62	LT & RT	--	--	--	--	40	14	--	16	15
	893+62	-	994+21	LT & RT	--	--	--	--	22	18	--	28	9
	1068+21	-	1193+60	LT & RT	--	525	525	440	14	7	--	24	--
	1193+60	-	1236+19	LT & RT	--	--	--	--	5	7	--	18	--
	1236+19	-	1315+73	LT & RT	--	260	260	440	7	--	90	13	--
	1315+73	-	1328+51	LT & RT	--	--	--	--	2	--	--	2	--
	1328+51	-	1422+23	LT & RT	--	390	390	330	14	19	--	25	--
UNDISTRIBUTED					500	295	295	310	16	8	160	48	76
				TOTALS 0010	500	1,470	1,470	1,520	140	90	250	240	100

EROSION CONTROL MOBILIZATION ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	BEGIN	-	END	LT & RT	5	10
				TOTALS 0010	5	10

RESTORATION ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
0010	612+79	-	666+36	LT & RT	--	--	--	--	--	--
	666+36	-	718+31	LT & RT	--	--	--	--	--	--
	718+31	-	765+89	LT & RT	--	--	--	--	--	--
	765+89	-	893+62	LT & RT	--	--	--	--	--	--
	893+62	-	994+21	LT & RT	--	--	--	--	--	--
	1068+21	-	1193+60	LT & RT	440	--	0.28	8	--	5
	1193+60	-	1236+19	LT & RT	--	--	--	--	--	--
	1236+19	-	1315+73	LT & RT	440	--	0.28	8	--	5
	1315+73	-	1328+51	LT & RT	--	--	--	--	--	--
	1328+51	-	1422+23	LT & RT	330	--	0.21	6	--	4
UNDISTRIBUTED					390	10,000	0.24	3	1,000	26
				TOTALS 0010	1,600	10,000	1.00	25	1,000	40

TRAFFIC CONTROL ITEMS

CATEGORY	STAGE	DAYS	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH**	643.0800 TRAFFIC CONTROL ARROW BOARDS DAY	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II NO**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II CYCLES**	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR EACH**	643.1051 TRAFFIC CONTROL SIGNS PCMS WITH CELLULAR DAY	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR EACH**	643.1055.S TRUCK OR TRAILER MOUNTED ATTENUATOR DAY
	1	28																							
0010			612+79	-	666+36	LT & RT	155	4,340	15	420	30	840	15	420	1	28	50	1,400	4	1	4	2	56	--	--
			666+36	-	718+31	LT & RT	135	3,780	20	560	40	1,120	--	--	--	--	45	1,260	2	1	2	--	--	--	--
			718+31	-	765+89	LT & RT	130	3,640	20	560	40	1,120	--	--	--	--	45	1,260	1	1	1	--	--	--	--
			765+89	-	893+62	LT & RT	355	9,940	75	2,100	150	4,200	--	--	--	--	110	3,080	6	1	6	2	56	--	--
			893+62	-	994+21	LT & RT	310	8,680	60	1,680	120	3,360	15	420	1	28	95	2,660	6	1	6	2	56	--	--
			1068+21	-	1193+60	LT & RT	330	9,240	70	1,960	140	3,920	15	420	1	28	110	3,080	3	1	3	2	56	--	--
			1193+60	-	1236+19	LT & RT	135	3,780	25	700	50	1,400	--	--	--	--	45	1,260	2	1	2	--	--	--	--
			1236+19	-	1315+73	LT & RT	180	5,040	45	1,260	90	2,520	--	--	--	--	60	1,680	2	1	2	--	--	--	--
			1315+73	-	1328+51	LT & RT	40	1,120	5	140	10	280	--	--	--	--	10	280	2	1	2	--	--	--	--
			1328+51	-	1422+23	LT & RT	310	8,680	50	1,400	100	2,800	15	420	1	28	110	3,080	4	1	4	2	56	--	--
						SUBTOTALS STAGE 1		58,240		10,780		21,560		1,680		112		19,040			32		280		0
	2	86																							
0010			612+79	-	666+36	LT & RT	235	20,210	25	2,150	50	4,300	15	1,290	1	86	55	4,730	--	--	--	2	172	--	--
			666+36	-	718+31	LT & RT	160	13,760	25	2,150	50	4,300	--	--	--	--	45	3,870	--	--	--	--	--	--	--
			718+31	-	765+89	LT & RT	140	12,040	45	3,870	90	7,740	--	--	--	--	50	4,300	--	--	--	--	--	--	--
			765+89	-	893+62	LT & RT	365	31,390	105	9,030	210	18,060	--	--	--	--	125	10,750	--	--	--	2	172	--	--
			893+62	-	994+21	LT & RT	385	33,110	85	7,310	170	14,620	15	1,290	1	86	105	9,030	--	--	--	2	172	--	--
			1068+21	-	1193+60	LT & RT	345	29,670	125	10,750	250	21,500	10	860	1	86	140	12,040	--	--	--	2	172	--	--
			1193+60	-	1236+19	LT & RT	115	9,890	50	4,300	100	8,600	10	860	--	--	55	4,730	--	--	--	--	--	--	--
			1236+19	-	1315+73	LT & RT	160	13,760	95	8,170	190	16,340	--	--	--	--	85	7,310	--	--	--	--	--	--	--
			1315+73	-	1328+51	LT & RT	25	2,150	15	1,290	30	2,580	--	--	--	--	15	1,290	--	--	--	--	--	--	--
			1328+51	-	1422+23	LT & RT	300	25,800	90	7,740	180	15,480	15	1,290	1	86	120	10,320	--	--	--	2	172	--	--
						SUBTOTALS STAGE 2		191,780		56,760		113,520		5,590		344		68,370			0		860		0
	3	103																							
0010			612+79	-	666+36	LT & RT	155	15,965	15	1,545	30	3,090	15	1,545	1	103	50	5,150	--	--	--	2	206	--	--
			666+36	-	718+31	LT & RT	135	13,905	20	2,060	40	4,120	--	--	--	--	45	4,635	--	--	--	--	--	--	--
			718+31	-	765+89	LT & RT	130	13,390	20	2,060	40	4,120	--	--	--	--	45	4,635	--	--	--	--	--	--	--
			765+89	-	893+62	LT & RT	355	36,565	75	7,725	150	15,450	--	--	--	--	110	11,330	--	--	--	2	206	--	--
			893+62	-	994+21	LT & RT	310	31,930	60	6,180	120	12,360	15	1,545	1	103	95	9,785	--	--	--	2	206	--	--
			1068+21	-	1193+60	LT & RT	330	33,990	70	7,210	140	14,420	15	1,545	1	103	110	11,330	--	--	--	2	206	--	--
			1193+60	-	1236+19	LT & RT	135	13,905	25	2,575	50	5,150	--	--	--	--	45	4,635	--	--	--	--	--	--	--
			1236+19	-	1315+73	LT & RT	180	18,540	45	4,635	90	9,270	--	--	--	--	60	6,180	--	--	--	--	--	--	--
			1315+73	-	1328+51	LT & RT	40	4,120	5	515	10	1,030	--	--	--	--	10	1,030	--	--	--	--	--	--	--
			1328+51	-	1422+23	LT & RT	310	31,930	50	5,150	100	10,300	15	1,545	1	103	110	11,330	--	--	--	2	206	--	--
						SUBTOTALS STAGE 3		214,240		39,655		79,310		6,180		412		70,040			0		1,030		0
	4	24																							
0010			BEGIN	-	END	LT & RT	--	--	--	--	--	--	--	--	--	--	5	120	32	1	32	--	--	2	48
						SUBTOTALS STAGE 4		0		0		0		0		0		120			32		0		48
						UNDISTRIBUTED		47,740		16,805		21,610		6,550		332		23,930			36		330		12
						TOTALS 0010		512,000		124,000		236,000		20,000		1,200		181,500			100		2,500		60

**FOR INFORMATION PURPOSES ONLY

TRAFFIC CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	643.5000 EACH
0010	BEGIN	-	END	LT & RT	1
				TOTAL 0010	1

3

PAVEMENT MARKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	646.1040 MARKING LINE GROOVED WET REF EPOXY 4-INCH (DASHED WHITE 12.5' LINE 37.5' SKIP) LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH (WHITE) LF	646.3040 MARKING LINE GROOVED WET REF EPOXY 8-INCH (DASHED WHITE 3' LINE 9' SKIP) LF	646.5020 MARKING ARROW EPOXY (TYPE 1) EACH	646.5020 MARKING ARROW EPOXY (TYPE 2) EACH	646.5120 MARKING WORD EPOXY EACH	646.5420 MARKING AERIAL ENFORCEMENT BAR EPOXY EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	646.6464 COLD WEATHER MARKING EPOXY 4-INCH (WHITE) LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH (YELLOW) LF	646.6464 COLD WEATHER MARKING EPOXY 4-INCH (DASHED WHITE 3' LINE 9' SKIP) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF	646.8220 MARKING ISLAND NOSE EPOXY EACH
0010	612+79	-	666+36	LT & RT	2,620.00	2,140	120	--	6	3	--	125	--	10,440	10,040	--	--	45	1
	666+36	-	718+31	LT & RT	2,570.00	1,880	230	--	12	6	--	115	--	10,540	9,230	--	--	--	--
	718+31	-	765+89	LT & RT	2,440.00	1,960	115	--	5	3	--	160	--	10,110	8,460	--	--	--	--
	765+89	-	893+62	LT & RT	6,270.00	6,950	55	--	17	9	--	200	--	25,170	21,930	70	--	30	2
	893+62	-	994+21	LT & RT	5,100.00	5,860	65	2	15	7	--	170	--	19,760	15,790	50	--	150	4
	1068+21	-	1193+60	LT & RT	6,410.00	6,670	110	--	8	4	12	105	27	24,190	22,050	--	--	40	2
	1193+60	-	1236+19	LT & RT	2,280.00	3,930	80	--	8	4	--	115	28	7,960	7,720	--	--	40	2
	1236+19	-	1315+73	LT & RT	3,980.00	3,410	--	--	6	3	--	35	--	15,710	13,340	--	--	--	--
	1315+73	-	1328+51	LT & RT	640.00	480	--	--	4	2	--	75	--	2,400	2,370	--	--	--	--
	1328+51	-	1422+23	LT & RT	4,690.00	6,770	--	--	17	9	--	190	--	17,840	17,000	--	105	100	9
				TOTALS 0010	37,000	40,825		100		50	12	1,290	55	272,170			105	405	20

PAVEMENT MARKING REMOVAL ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	REMARKS
0010	612+79	-	666+36	LT & RT	730	--	125	INCLUDES FOR TRAFFIC STAGING
	666+36	-	718+31	LT & RT	1,240	--	115	INCLUDES FOR TRAFFIC STAGING
	718+31	-	765+89	LT & RT	1,070	--	195	INCLUDES FOR TRAFFIC STAGING
	765+89	-	893+62	LT & RT	3,020	65	200	INCLUDES FOR TRAFFIC STAGING
	893+62	-	994+21	LT & RT	2,550	--	170	INCLUDES FOR TRAFFIC STAGING
	1068+21	-	1193+60	LT & RT	3,060	--	125	INCLUDES FOR TRAFFIC STAGING
	1193+60	-	1236+19	LT & RT	1,090	--	145	INCLUDES FOR TRAFFIC STAGING
	1236+19	-	1315+73	LT & RT	1,970	--	35	INCLUDES FOR TRAFFIC STAGING
	1315+73	-	1328+51	LT & RT	280	--	75	INCLUDES FOR TRAFFIC STAGING
	1328+51	-	1422+23	LT & RT	1,670	45	215	INCLUDES FOR TRAFFIC STAGING
				TOTALS 0010	16,680	110	1,400	

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TEMPORARY PAVEMENT MARKING ITEMS

CATEGORY	STAGE	STATION	TO	STATION	LOCATION	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	REMARKS
	1									
0010		612+79	-	666+36	LT & RT	--	660	--	150	
		666+36	-	718+31	LT & RT	--	--	--	170	
		718+31	-	765+89	LT & RT	--	--	--	190	
		765+89	-	893+62	LT & RT	--	--	--	170	
		893+62	-	994+21	LT & RT	--	660	--	125	
		1068+21	-	1193+60	LT & RT	--	660	--	85	
		1193+60	-	1236+19	LT & RT	--	--	--	105	
		1236+19	-	1315+73	LT & RT	--	--	--	90	
		1315+73	-	1328+51	LT & RT	--	--	--	55	
		1328+51	-	1422+23	LT & RT	--	660	--	185	
					SUBTOTALS STAGE 1	0	2,640	0	1,325	
	2									
0010		612+79	-	666+36	LT & RT	20,750	660	1,100	40	
		666+36	-	718+31	LT & RT	19,620	--	690	50	
		718+31	-	765+89	LT & RT	16,560	--	695	45	
		765+89	-	893+62	LT & RT	50,220	--	2,150	30	
		893+62	-	994+21	LT & RT	38,270	660	1,245	30	
		1068+21	-	1193+60	LT & RT	48,280	660	695	60	
		1193+60	-	1236+19	LT & RT	15,610	--	1,090	60	
		1236+19	-	1315+73	LT & RT	31,550	--	550	--	
		1315+73	-	1328+51	LT & RT	4,930	--	--	--	
		1328+51	-	1422+23	LT & RT	35,600	660	2,740	--	
					SUBTOTALS STAGE 2	281,390	2,640	10,955	315	
	3									
0010		612+79	-	666+36	LT & RT	--	19,860	1,650	150	
		666+36	-	718+31	LT & RT	--	18,880	1,110	170	
		718+31	-	765+89	LT & RT	--	16,890	1,500	190	
		765+89	-	893+62	LT & RT	--	47,280	6,050	170	
		893+62	-	994+21	LT & RT	--	35,930	5,460	125	
		1068+21	-	1193+60	LT & RT	--	46,295	5,240	85	
		1193+60	-	1236+19	LT & RT	--	15,460	3,090	105	
		1236+19	-	1315+73	LT & RT	--	29,115	2,680	90	
		1315+73	-	1328+51	LT & RT	--	4,475	370	55	
		1328+51	-	1422+23	LT & RT	--	33,850	5,320	185	
					SUBTOTALS STAGE 3	0	268,035	32,470	1,325	
					TOTALS 0010	281,390	273,315	43,425	2,965	

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MAINTENANCE AND REPAIR OF HAUL ROADS 1318-10-70

CATEGORY	STATION	TO	STATION	LOCATION	618.0100.01 EACH
0010	BEGIN	-	END	LT & RT	1
				TOTAL 0010	1

MOBILIZATION

CATEGORY	STATION	TO	STATION	LOCATION	619.1000 EACH
0010	BEGIN	-	END	LT & RT	1
				TOTAL 0010	1

3

FIELD OFFICE TYPE D

CATEGORY	STATION	TO	STATION	LOCATION	642.5401 EACH
0010	BEGIN	-	END	LT & RT	1
				TOTAL 0010	1

CONSTRUCTION STAKING ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	*** 650.8500.01 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (PROJECT) (01. 1310-18-70) LS	650.9910.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. 1310-18-70) LS
0010	BEGIN	-	END	LT & RT	1	1
				TOTAL 0010	1	1

*** FOR TRAFFIC SIGNALS AT THE INTERSECTION OF STH 50 AND STH 83/GENEVA ROAD

FILE NAME : X:\BM1-3694A STH 50, Kenosha\5_Design\03_Roads\13101870\SheetsPlan\030200_mq.pptx PLOT DATE : 12/02/20 16:50 PLOT BY : VL PLOT NAME : PLOT SCALE : 1:1

INTERSECTION OF STH 50 & STH 83

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STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES, TYPE 10
2	POLES,TYPE 9 SPECIAL
2	MONOTUBE ARMS, 30 - FT
2	MONOTUBE ARMS, 40 - FT
2	LUMINAIRE ARMS,STEEL, 15-FT
4	EVP DETECTOR HEADS

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	POLES TYPE 9-SPECIAL EACH	POLES TYPE 10 EACH	MONOTUBE ARMS 30-FT EACH	MONOTUBE ARMS 40-FT EACH	LUMINAIRE ARMS STEEL,15-FT EACH	EVP DETECTOR HEAD EACH
SB5	1	--	--	1	--	1
SB7	--	1	1	--	1	1
SB12	1	--	--	1	--	1
SB14	--	1	1	--	1	1

REMOVING CONCRETE BASES

CATEGORY	SIGNAL BASE NO.	204.0195 EACH
0010	CB1	1
	SB1	1
	SB2	1
	SB3	1
	SB4	1
	SB5	1
	SB6	1
	SB7	1
	SB8	1
	SB9	1
	SB10	1
	TOTAL 0010	11

REMOVING PULL BOXES

CATEGORY	PULL BOX NO:	* 653.0905 EACH
0010	PB1	1
	PB2	1
	PB3	1
	PB4	1
	PB5	1
	PB6	1
	PB7	1
	PB8	1
	PB9	1
	PB10	1
	PB11	1
	PB12	1
	PB13	1
	PB16	1
	TOTAL 0010	14

INTERSECTION OF STH 50 & STH 83

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REMOVING TRAFFIC SIGNALS AND LOOP DETECTOR ITEMS

CATEGORY	LOCATION	204.9105.S.01 (REMOVING TRAFFIC SIGNALS AT INTERSECTION OF STH 50 AND STH83/GENEVA ROAD) LS	204.9105.S.02 (REMOVING LOOP DETECTOR WIRE AND LEAD-IN CABLE, STH 50 AND STH 83/GENEVA ROAD) LS
0010	STH 50 AND STH 83/GENEVA RD	1	1
	TOTALS 0010	1	1

TEMPORARY SIGNAL ITEMS

CATEGORY	LOCATION	661.0200.01 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS	SPV.0105.01 SPECIAL (TEMPORARY INFRARED EVP SYSTEM FOR THE INTERSECTION OF STH 50 AND STH 83/GENEVA ROAD) LS
0010	STH 50 AND STH 83/GENEVA RD	1	1
	TOTALS 0010	1	1

CONDUIT ITEMS

CATEGORY	FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
0010	CB1	PB1	--	5
	PB1	PB2	12	--
	PB1	PB3	--	107
	PB3	PB4	--	131
	PB4	PB6	34	--
	PB6	PB5	11	--
	PB4	PB7	107	--
	PB7	PB8	103	--
	PB8	PB9	167	--
	PB9	PB10	199	--
	PB10	PB11	181	--
	PB11	PB12	94	--
	PB12	PB13	48	--
	PB4	PB14	--	130
	PB14	PB15	--	97
	PB15	PB19	--	87
	PB19	PB16	28	--
	PB19	PB20	134	--
	PB19	PB21	--	117
	PB21	PB22	--	76
	PB22	PB23	--	131
	PB23	PB24	--	134
	PB24	PB25	115	--
	PB25	PB26	112	--
	PB26	PB27	178	--
	PB27	PB28	168	--
	PB28	PB29	122	--
	PB29	PB30	45	--
	PB24	PB31	48	--
	PB31	PB32	7	--
	PB24	PB33	--	124
	PB33	PB34	--	64
	PB34	PB35	58	
	PB34	PB36	--	147
	PB36	PB37	--	171
	PB37	PB38	--	116
	PB38	CB1	--	6
	PB2	SB1	12	--
	PB6	SB4	3	--
	PB15	SB5	--	14
	PB15	SB6	14	--
	PB22	SB7	--	12
	PB22	SB8	15	--
	PB31	SB11	6	--
	PB35	SB12	--	7
	PB35	SB13	7	--
	PB38	SB14	--	11
	PB13	SB2	8	--
	PB12	SB3	3	--
	PB29	SB9	3	--
	PB30	SB10	7	--
		TOTALS 0010	2,049	1,687

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	MISCELLANEOUS QUANTITIES	SHEET: 238	E

PULL BOX ITEMS

CATEGORY	PULL BOX NO:	ROADWAY	STATION	OFFSET	* 653.0135 PULL BOXES STEEL 24X36-INCH EACH	* 653.0140 PULL BOXES STEEL 24X42-INCH EACH
0010	PB1	STH 50	718+96.71	88.79 LT	--	1
	PB2	STH 50	718+92.12	74.36 LT	--	1
	PB3	STH 50	719+48.19	67.90 LT	--	1
	PB4	STH 50	719+45.28	0.84 RT	--	1
	PB5	STH 50	719+20.67	3.47 LT	1	--
	PB6	STH 50	719+07.00	0.52LT	--	1
	PB7	STH 50	720+5481	0.00	--	1
	PB8	STH 50	721+60.97	6.50 LT	1	--
	PB9	STH 50	723+31.60	11.92 LT	1	--
	PB10	STH 50	725+30.00	10.65 LT	--	1
	PB11	STH 50	727+10.95	9.48 LT	--	1
	PB12	STH 50	728+04.10	5.33 LT	--	1
	PB13	STH 50	728+04.15	57.47 LT	--	1
	PB14	STH 50	719+41.54	69.73 RT	--	1
	PB15	STH 50	718+89.48	79.91 RT	--	1
	PB16	STH 50	718+70.34	89.75 RT	1	--
	PB19	STH 50	718+67.91	120.80 RT	--	1
	PB20	STH 50	718+66.18	258.49 RT	1	--
	PB21	STH 50	718+04.21	114.97 RT	--	1
	PB22	STH 50	717+86.07	79.96 RT	--	1
	PB23	STH 50	717+16.68	72.33 RT	--	1
	PB24	STH 50	717+11.96	1.65 LT	--	1
	PB25	STH 50	715+92.91	4.10 RT	--	1
	PB26	STH 50	714+77.29	7.78 RT	1	--
	PB27	STH 50	712+94.88	7.91 RT	1	--
	PB28	STH 50	711+22.30	11.78 RT	--	1
	PB29	STH 50	710+00.74	17.50RT	--	1
	PB30	STH 50	710+04.84	65.98 RT	--	1
	PB31	STH 50	717+64.25	2.81 LT	--	1
	PB32	STH 50	717+53.93	0.00	1	--
	PB33	STH 50	717+08.39	63.91 LT	--	1
	PB34	STH 50	717+43.05	66.93 LT	--	1
	PB35	STH 50	718+02.21	71.54 LT	--	1
	PB36	STH 50	717+77.34	130.79 LT	--	1
	PB37	STH 50	718+60.16	145.61 LT	--	1
	PB38	STH 50	718+87.95	92.96 LT	--	1
				TOTALS 0010	8	28

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

INTERSECTION OF STH 50 & STH 83

3

LOOP DETECTOR ITEMS

CATEGORY	LOOP NO.	HOME RUN PB NO.	ROADWAY	STATION	LOCATION	SIZE	NO. OF TURNS	SDD INSTALLATION REFERENCE	* 652.0800 CONDUIT LOOP DETECTOR LF	* 655.0700 LOOP DETECTOR LEAD IN CABLE LF	* 655.0800 LOOP DETECTOR WIRE LF
0010	11	PB32	STH 50	717+48.86	17.70RT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	65	400	305
	12	PB32	STH 50	717+72.10	17.46 RT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	66	400	306
	21	PB9	STH 50	723+32.88	34.08 LT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	43	522	187
	22	PB9	STH 50	723+33.06	44.42 LT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	54	522	198
	23	PB8	STH 50	721+60.23	30.74 LT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	46	351	154
	24	PB8	STH 50	721+59.94	42.05 LT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	57	351	165
	51	PB5	STH 50	719+24.95	17.36 LT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	64	185	304
	52	PB5	STH 50	719+01.03	16.28 LT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	63	185	303
	61	PB27	STH 50	712+93.52	31.43 RT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	45	751	189
	62	PB27	STH 50	712+92.54	44.08 RT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	57	751	201
	63	PB26	STH 50	714+78.17	30.35 RT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	44	570	152
	64	PB26	STH 50	714+78.38	41.92 RT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	55	570	163
	81	PB20	STH 50	718+66.18	258.49 RT	6X20	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	435	312
	82	PB16	STH 50	718+51.73	91.57 RT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	66	333	306
	83	PB16	STH 50	718+55.36	59.28 RT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	65	333	305
	84	PB16	STH 50	718+67.91	71.50 RT	6X6	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	35	333	107
	85	PB16	STH 50	718+43.63	91.79 RT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	333	314
	86	PB16	STH 50	718+42.99	59.75 RT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	75	333	315
								TOTALS 0010	1,046	7,658	4,286

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

CONCRETE BASE ITEMS

CATEGORY	SIGNAL BASE NO.	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	654.0120 CONCRETE BASES TYPE 10-SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
0010	CB1	718+92.69	90.80 LT	--	--	--	--	1
	SB1	719+04.43	69.35 LT	1	--	--	--	--
	SB4	719+01.01	2.81 RT	--	1	--	--	--
	SB5	718+97.09	67.80 RT	--	--	--	1	--
	SB6	718+74.95	78.73 RT	1	--	--	--	--
	SB7	717+98.41	82.25 RT	--	--	1	--	--
	SB8	717+77.23	66.97 RT	1	--	--	--	--
	SB11	717+72.07	3.51 LT	--	1	--	--	--
	SB12	717+98.87	66.10 LT	--	--	--	1	--
	SB13	718+00.83	77.82 LT	1	--	--	--	--
	SB14	718+74.20	92.07 LT	--	--	1	--	--
	SB2	728+12.82	54.13 LT	1	--	--	--	--
	SB3	728+10.99	4.39 LT	1	--	--	--	--
	SB9	709+00.94	11.98 RT	1	--	--	--	--
	SB10	709+95.43	70.87 RT	1	--	--	--	--
			TOTALS 0010	8	2	2	2	1

NOTES:
- STATION AND LOCATION IS TO THE FRONT CENTER OF DETECTION LOOP.
- FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

INTERSECTION OF STH 50 & STH 83

3

TRAFFIC SIGNAL EVP DETECTOR CABLE

CATEGORY	FROM	TO	655.0900 LF
0010	CB1	SB12 (HEAD 'A')	421
	CB1	SB5 (HEAD 'B')	265
	CB1	SB7 (HEAD 'C')	546
	CB1	SB14 (HEAD 'D')	100
		TOTAL 0010	1,332

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	CONTROL CABINET NO:	LOCATION	656.0200.01 LS
0010	CB1	STH 50 AND STH 83/GENEVA RD	1
		TOTAL 0010	1

NOTE:
- FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	658.5069.01 LS
0010	STH 50 AND STH 83/GENEVA ROAD	1
	TOTAL 0010	1

ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG

CATEGORY	FROM	TO	655.0515 LF
0010	CB1	SB1	34
	SB1	SB3	1,026
	SB3	SB2	68
	SB1	SB4	206
	SB4	SB5	183
	SB5	SB6	29
	SB6	SB7	178
	SB7	SB8	28
	SB8	SB11	216
	SB11	SB12	229
	SB12	SB13	13
	SB13	SB14	311
	SB14	CB1	25
	SB8	SB9	875
	SB9	SB10	65
		TOTAL 0010	3,486

TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

CATEGORY	LOCATION	SPV.0105.02 LS
0010	STH 50 AND STH 83/GENEVA ROAD	1
	TOTAL 0010	1

TRAFFIC SIGNAL CABLE ITEMS

CATEGORY	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0250 CABLE TRAFFIC SIGNAL 9-14 AWG LF	655.0305 CABLE TYPE UF 2-12 AWG GROUNDED LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
0010	CB1	SB1	--	32	--	--	--
	SB1	HEAD 5	19	--	--	--	--
	SB1	HEAD 7	19	--	--	--	--
	CB1	SB2	1,060	--	--	--	--
	SB2	HEAD 21	19	--	--	--	--
	CB1	SB3	1,003	--	--	--	--
	SB3	HEAD 20	19	--	--	--	--
	CB1	SB4	--	180	--	--	--
	SB4	HEAD 6	19	--	--	--	--
	SB4	HEAD 10	19	--	--	--	--
	CB1	SB5	--	--	145	--	--
	SB5	HEAD 2	67	--	--	--	--
	SB5	HEAD 3	52	--	--	--	--
	CB1	SB6	--	270	--	--	--
	SB6	HEAD 13	19	--	--	--	--
	SB6	HEAD 19	19	--	--	--	--
	CB1	SB7	--	--	418	--	--
	SB7	HEAD 17	57	--	--	--	--
	SB7	HEAD 18	42	--	--	--	--
	CB1	SB8	--	422	--	--	--
	SB8	HEAD 1	19	--	--	--	--
	SB8	HEAD 11	19	--	--	--	--
	CB1	SB9	1,175	--	--	--	--
	SB9	HEAD 22	19	--	--	--	--
	CB1	SB10	1,225	--	--	--	--
	SB10	HEAD 23	19	--	--	--	--
	CB1	SB11	--	396	--	--	--
	SB11	HEAD 4	19	--	--	--	--
	SB11	HEAD 12	19	--	--	--	--
	CB1	SB12	--	--	301	--	--
	SB12	HEAD 8	67	--	--	--	--
	SB12	HEAD 9	52	--	--	--	--
	SB12	HEAD 14	19	--	--	--	--
	CB1	SB13	--	301	--	--	--
	SB13	HEAD 16	19	--	--	--	--
	CB1	SB14	--	--	20	--	--
	SB14	HEAD 15	57	--	--	--	--
	CB1	SB4	--	--	--	180	246
	SB4	SB7	19	--	--	327	144
	CB1	SB14	--	--	--	20	144
	SB14	SB11	--	--	--	397	246
		TOTALS 0010	5,180	1,601	884	924	780

FILE NAME : X:\BM1-3694A STH 50, Kenosha\5_Design\03_Roads\13101870\Design\Quantities\1310-18-70-mq-plan-sheet.pptx PLOT DATE : AUG 13, 2020 PLOT BY : AMBILY PANKAJ. PLOT NAME : PLOT SCALE : 1:1

INTERSECTION OF STH 50 & STH 83

TRAFFIC SIGNAL FACE ITEMS

CATEGORY	SIGNAL HEAD NO:	SIGNAL BASE NO:	658.0171 TRAFFIC SIGNAL FACE 1S 12-INCH EACH	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	REMARKS
0010	1	SB8	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	2	SB5	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	3	SB5	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	4	SB11	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	5	SB1	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	6	SB4	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	7	SB1	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	8	SB12	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	9	SB12	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	10	SB4	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	11	SB8	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	12	SB11	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	13	SB6	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	14	SB12	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	15	SB14	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	16	SB13	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	17	SB7	--	1	--	INCLUDES REFLECTIVE BACKPLATES
	18	SB7	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	19	SB6	--	--	1	INCLUDES REFLECTIVE BACKPLATES
	20	SB3	1	--	--	INCLUDES BACKPLATES
	21	SB2	1	--	--	INCLUDES BACKPLATES
	22	SB9	1	--	--	INCLUDES BACKPLATES
	23	SB10	1	--	--	INCLUDES BACKPLATES
		TOTALS 0010	4	11	8	

INSTALL POLES,MONOTUBES AND ARMS

CATEGORY	SIGNAL BASE NO:	SPV.0060.01 SPECIAL (INSTALL POLES TYPE 9 SPECIAL) EACH	SPV.0060.02 SPECIAL (INSTALL TYPE 10 POLES) EACH	SPV.0060.03 SPECIAL (INSTALL MONOTUBE ARMS 30-FT) EACH	SPV.0060.04 SPECIAL (INSTALL MONOTUBE ARMS 40-FT-SPECIAL) EACH	SPV.0060.05 SPECIAL (INSTALL LUMINAIRE ARMS STEEL 15-FT) EACH
0010	**SB5**	**1**	--	--	**1**	--
	SB7	--	**1**	**1**	--	**1**
	SB12	**1**	--	--	**1**	--
	SB14	--	**1**	**1**	--	**1**
	TOTAL 0010	2	2	2	2	2

INTERSECTION OF STH 50 & STH 83

TRAFFIC SIGNAL EQUIPMENT ITEMS

CATEGORY	SIGNAL BASE NO:	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
0010	SB1	1	--	--	--	1	--	--
	SB2	1	--	--	1	--	--	--
	SB3	1	--	--	1	--	--	--
	SB4	--	1	1	--	--	2	2
	SB6	1	--	--	--	1	--	--
	SB7	--	--	--	--	--	--	1
	SB8	1	--	--	--	1	--	--
	SB9	1	--	--	1	--	--	--
	SB10	1	--	--	1	--	--	--
	SB11	--	1	1	--	--	2	2
	SB13	1	--	--	1	--	--	--
	SB14	--	--	--	--	--	--	1
	TOTALS 0010	8	2	2	5	3	4	6

NOTE:
- FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

TRANSPORT AND INSTALL STATE FURNISHED EVP DETECTOR HEAD INSTALLATION

CATEGORY	LOCATION	SPV.0105.03 LS
0010	STH 50 AND STH 83/GENEVA ROAD	1
	TOTAL 0010	1

TRANSPORT TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS

CATEGORY	LOCATION	SPV.0105.04 LS
0010	STH 50 AND STH 83/GENEVA ROAD	1
	TOTAL 0010	1

TRANSPORT AND INSTALL DEPARTMENT FURNISHED RADAR DETECTION SYSTEM STH 50 AND STH 83/GENEVA ROAD

CATEGORY	LOCATION	SPV.0105.05 LS
0010	STH 50 AND STH 83/GENEVA ROAD	1
	TOTAL 0010	1

INTERSECTION OF STH 50 & CTH B

3

REMOVING PULL BOXES

CATEGORY	LOCATION	* 653.0905 EACH
0010	PB2	1
	PB13	1
	PB15	1
	PB16	1
	TOTAL 0010	4

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOX ITEMS

CATEGORY	PULL BOX NO.	ROADWAY	STATION	OFFSET	* 653.0135 PULL BOXES STEEL 24X36-INCH EACH	* 653.0140 PULL BOXES STEEL 24X42-INCH EACH
0010	PB28	STH 50	896+28.62	70.58 LT	--	1
	PB29	STH 50	896+70.41	71.51 LT	1	--
	PB30	STH 50	898+47.59	67.57 LT	1	--
	PB31	STH 50	890+79.82	70.47 RT	--	1
	PB32	STH 50	890+37.42	69.88 RT	1	--
	PB33	STH 50	888+58.98	70.22 RT	1	--
				TOTALS 0010	4	2

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

REMOVE LOOP DETECTOR WIRE AND LEAD IN CABLE FOR THE INTERSECTION OF STH 50 & CTH B/288TH AVENUE

CATEGORY	LOCATION	204.9105.S.03 LS
0010	STH 50 & CTH B/288TH AVENUE	1
	TOTAL 0010	1

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

CATEGORY	PULL BOX NO.	LOCATION	* 652.0225 LF
0010	PB1	PB28	185
	PB28	PB29	38
	PB29	PB30	174
	PB13	PB31	198
	PB31	PB32	39
	PB 32	PB33	175
		TOTALS 0010	809

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

INTERSECTION OF STH 50 & CTH B

3

LOOP DETECTOR ITEMS

CATEGORY	LOOP NO.	HOME RUN PB NO.	ROADWAY	STATION	LOCATION	SIZE	NO. OF TURNS	SDD INSTALLATION REFERENCE	* 652.0800 CONDUIT LOOP DETECTOR LF	* 655.0700 LOOP DETECTOR LEAD IN CABLE LF	* 655.0800 LOOP DETECTOR WIRE LF
0010	21	PB30	STH 50	898+47.59	40.90 LT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	47	447	191
	22	PB30	STH 50	898+47.59	31.37 LT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	57	447	201
	23	PB29	STH 50	896+70.41	43.68 LT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	49	269	157
	24	PB29	STH 50	896+70.41	33.40 LT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	60	269	168
	61	PB33	STH 50	888+58.98	31.38 RT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	60	833	204
	62	PB33	STH 50	888+58.98	42.45 RT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	49	833	193
	63	PB32	STH 50	890+37.42	41.07 RT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	50	655	158
	64	PB32	STH 50	890+37.42	31.43 RT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	60	655	168
								TOTALS 0010	432	4,408	1,440

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

TRANSPORT AND INSTALL DEPARTMENT FURNISHED RADAR DETECTION SYSTEM, STH 50 AND CTH B/288TH AVENUE

CATEGORY	LOCATION	SPV.0105.06 LS
0010	STH 50 AND CTH B/288TH AVENUE	1
	TOTAL 0010	1

CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH

CATEGORY	FROM	TO	* 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
0010	PB8	PB15	170
	PB15	PB16	85
	PB16	PB17	175
		TOTALS 0010	430

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PULL BOX ITEMS

CATEGORY	PULL BOX NO.	ROADWAY	STATION	OFFSET	* 653.0135 PULL BOXES STEEL 24X36-INCH EACH	* 653.0140 PULL BOXES STEEL 24X42-INCH EACH
0010	PB15	STH 50	615+92.90	69.16 LT	--	1
	PB16	STH 50	616+79.96	69.44 LT	1	--
	PB17	STH 50	618+58.72	68.40 LT	1	--
				TOTALS 0010	2	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FILE NAME : X:\BM1-3694A STH 50, Kenosha\5_Design\03_Roads\13101870\Design\Quantities\1310-18-70-mq-plan-sheet.pptx PLOT DATE : AUG 13, 2020 PLOT BY : AMBILY PANKAJ. PLOT NAME : PLOT SCALE : 1:1

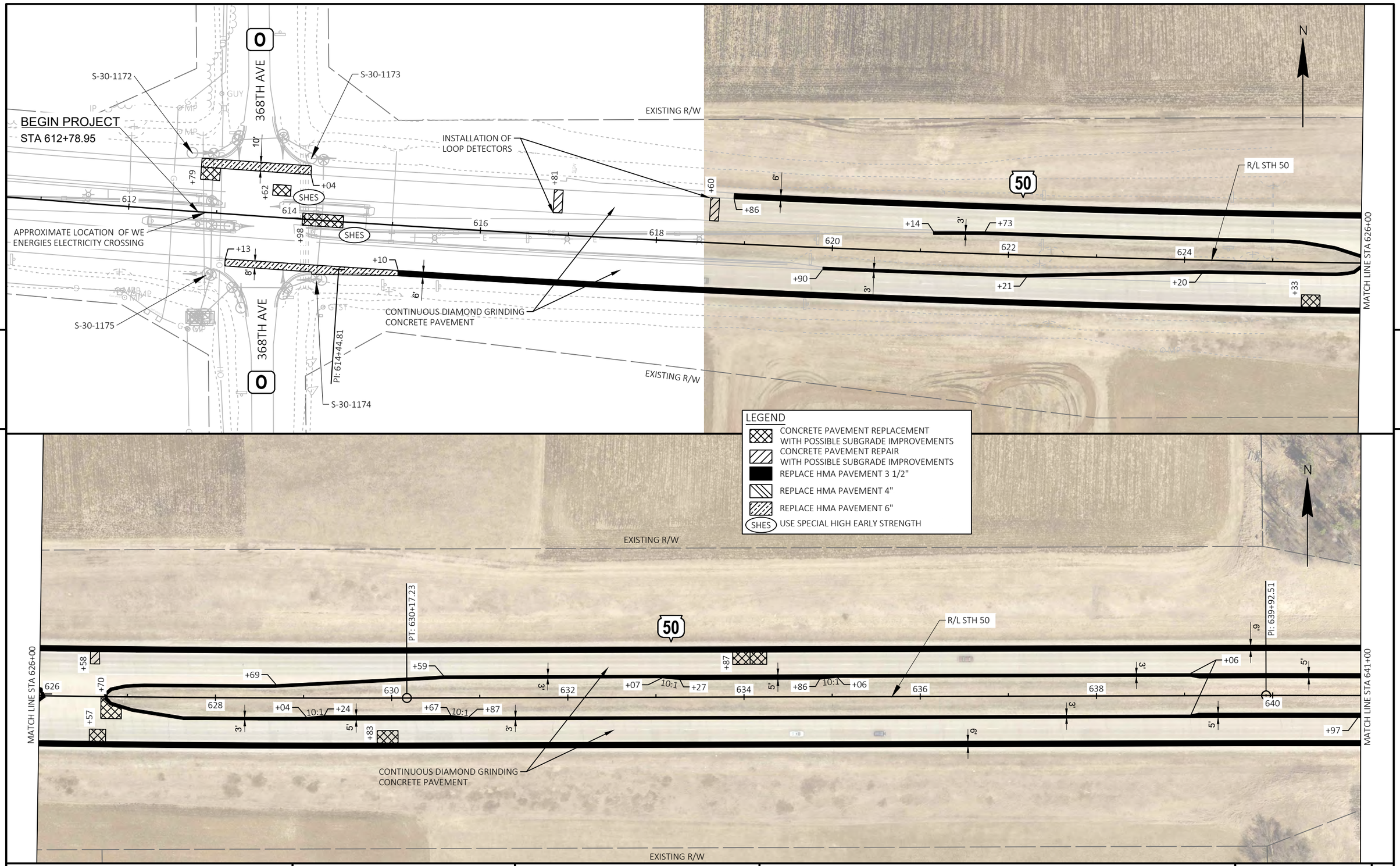
INTERSECTION OF STH 50 & CTH O

3

LOOP DETECTOR ITEMS

CATEGORY	LOOP NO.	HOME RUN PB NO.	ROADWAY	STATION	LOCATION	SIZE	NO. OF TURNS	SDD INSTALLATION REFERENCE	* 652.0800 CONDUIT LOOP DETECTOR LF	* 655.0700 LOOP DETECTOR LEAD IN CABLE LF	* 655.0800 LOOP DETECTOR WIRE LF
0010	21	PB17	STH 50	618+58.72	42.71 LT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	44	726	201
	22	PB17	STH 50	618+58.72	31.32 LT	6X6	5	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	57	726	213
	23	PB16	STH 50	616+79.96	44.22 LT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	57	548	165
	24	PB16	STH 50	616+79.96	30.03 LT	6X6	4	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	59	548	215
	51	PB10	STH 50	613+99.61	0.000 LT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	131	213	371
	52	PB10	STH 50	614+22.06	0.000 LT	6X20	3	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	131	213	371
					TOTALS 0010				479	2,974	1,536

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

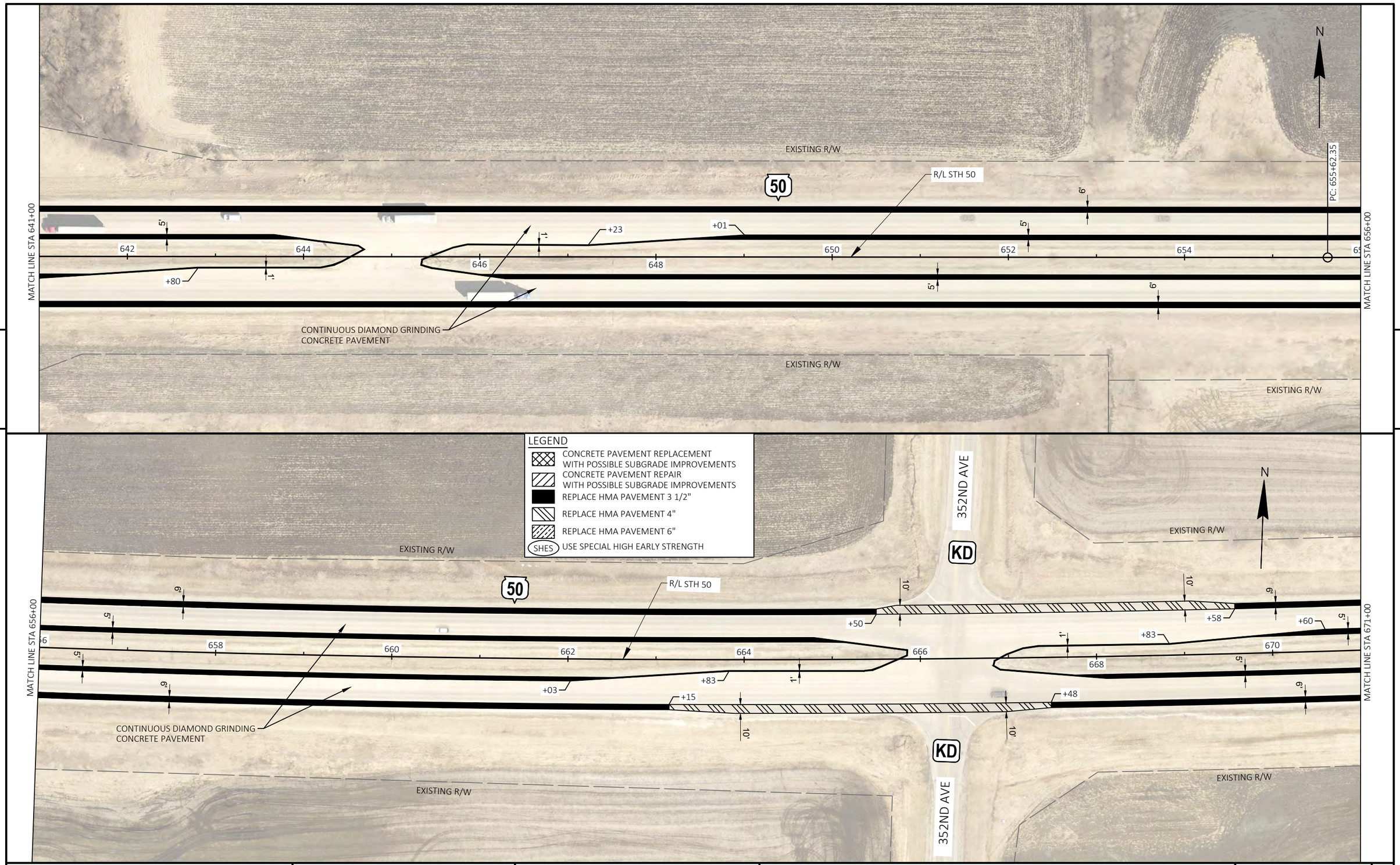


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 249 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd

PLOT DATE : 10/31/2020 3:02 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

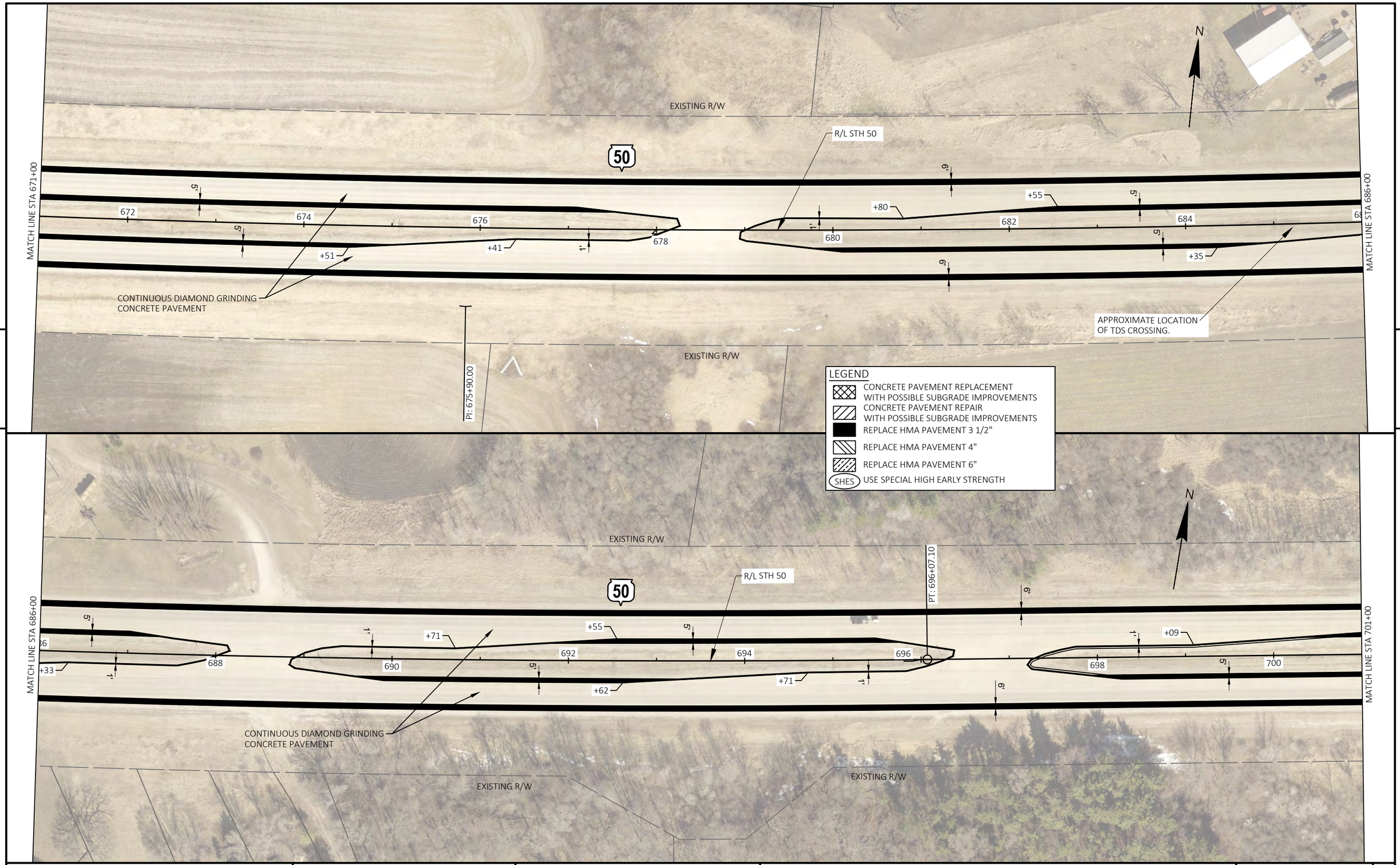


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 250	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021202-pd

PLOT DATE : 10/31/2020 3:02 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

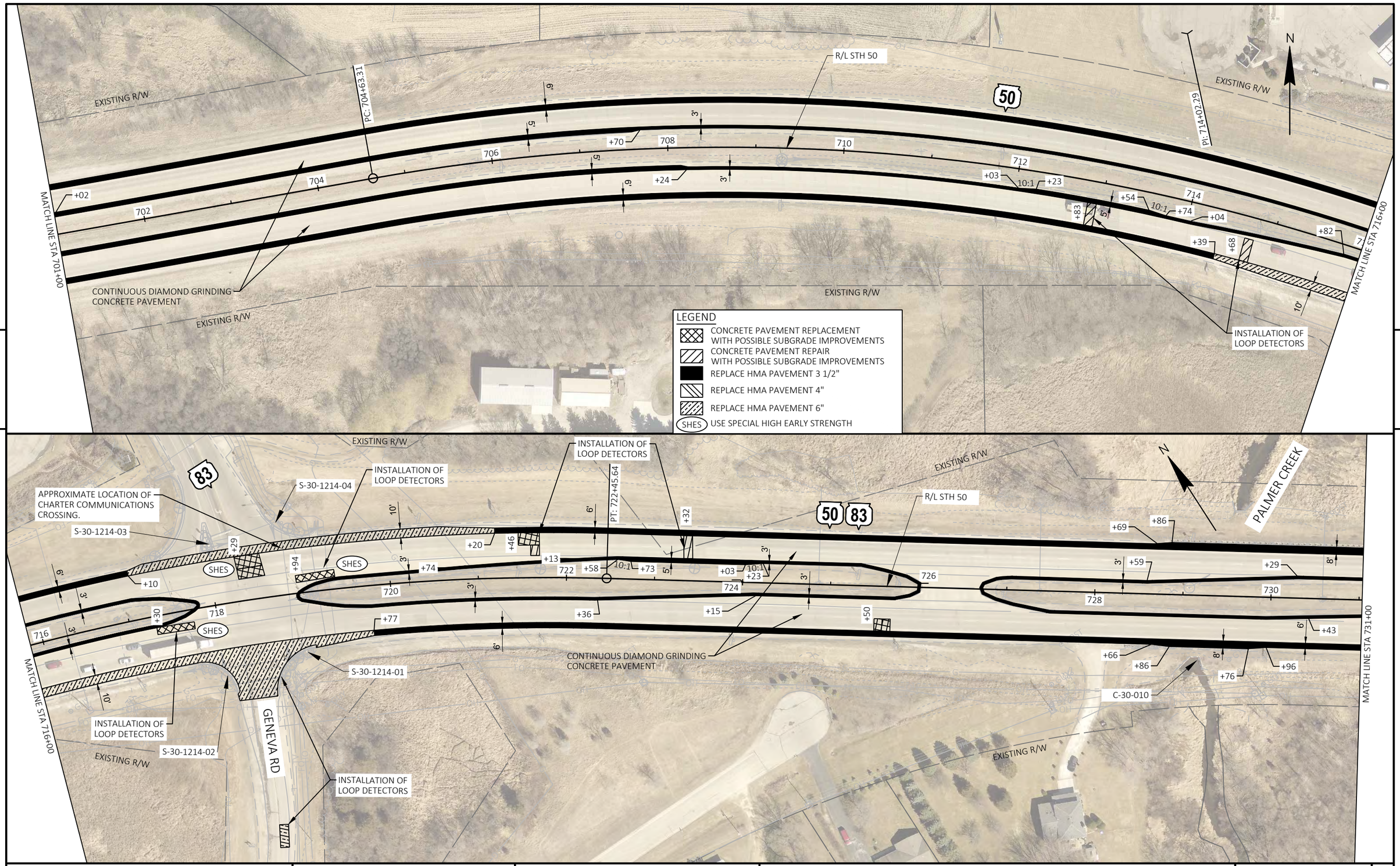


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 251	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021203-pd

PLOT DATE : 10/31/2020 3:03 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

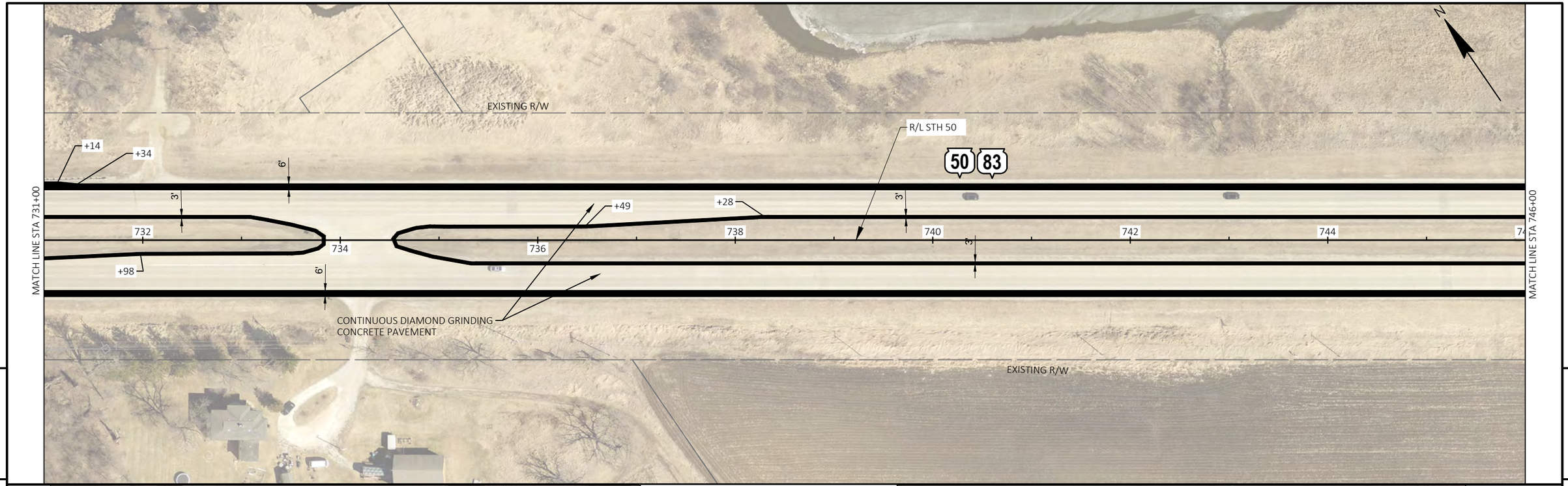


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 252 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd

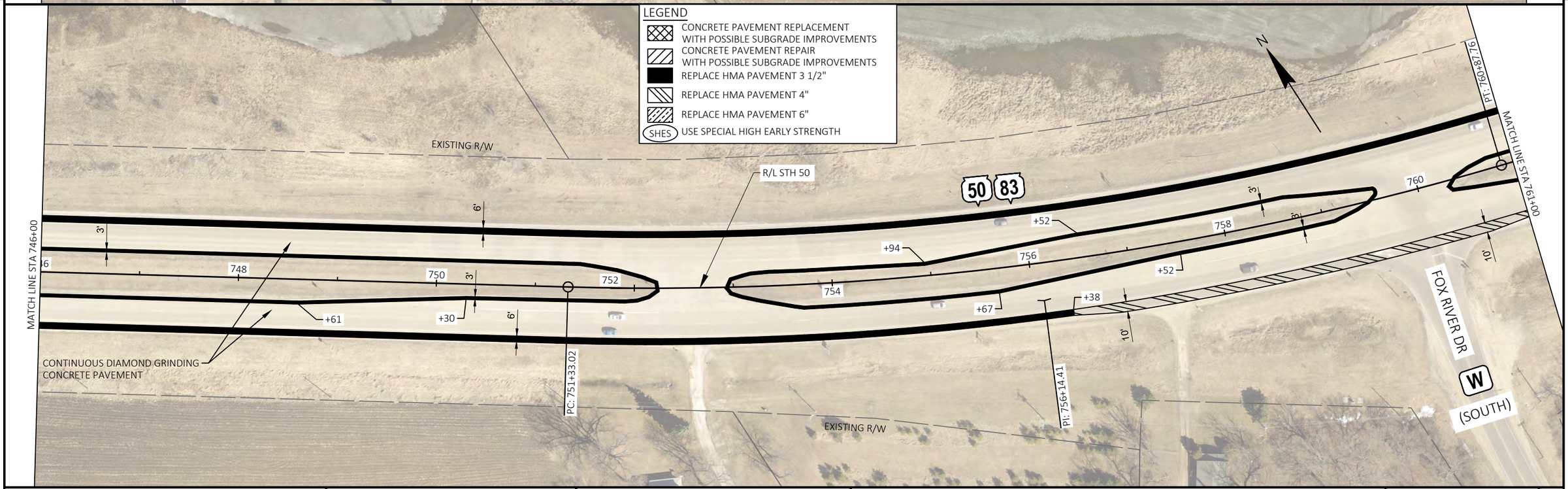
PLOT DATE : 12/1/2020 9:37 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



LEGEND

- CONCRETE PAVEMENT REPLACEMENT WITH POSSIBLE SUBGRADE IMPROVEMENTS
- CONCRETE PAVEMENT REPAIR WITH POSSIBLE SUBGRADE IMPROVEMENTS
- REPLACE HMA PAVEMENT 3 1/2"
- REPLACE HMA PAVEMENT 4"
- REPLACE HMA PAVEMENT 6"
- (SHES) USE SPECIAL HIGH EARLY STRENGTH

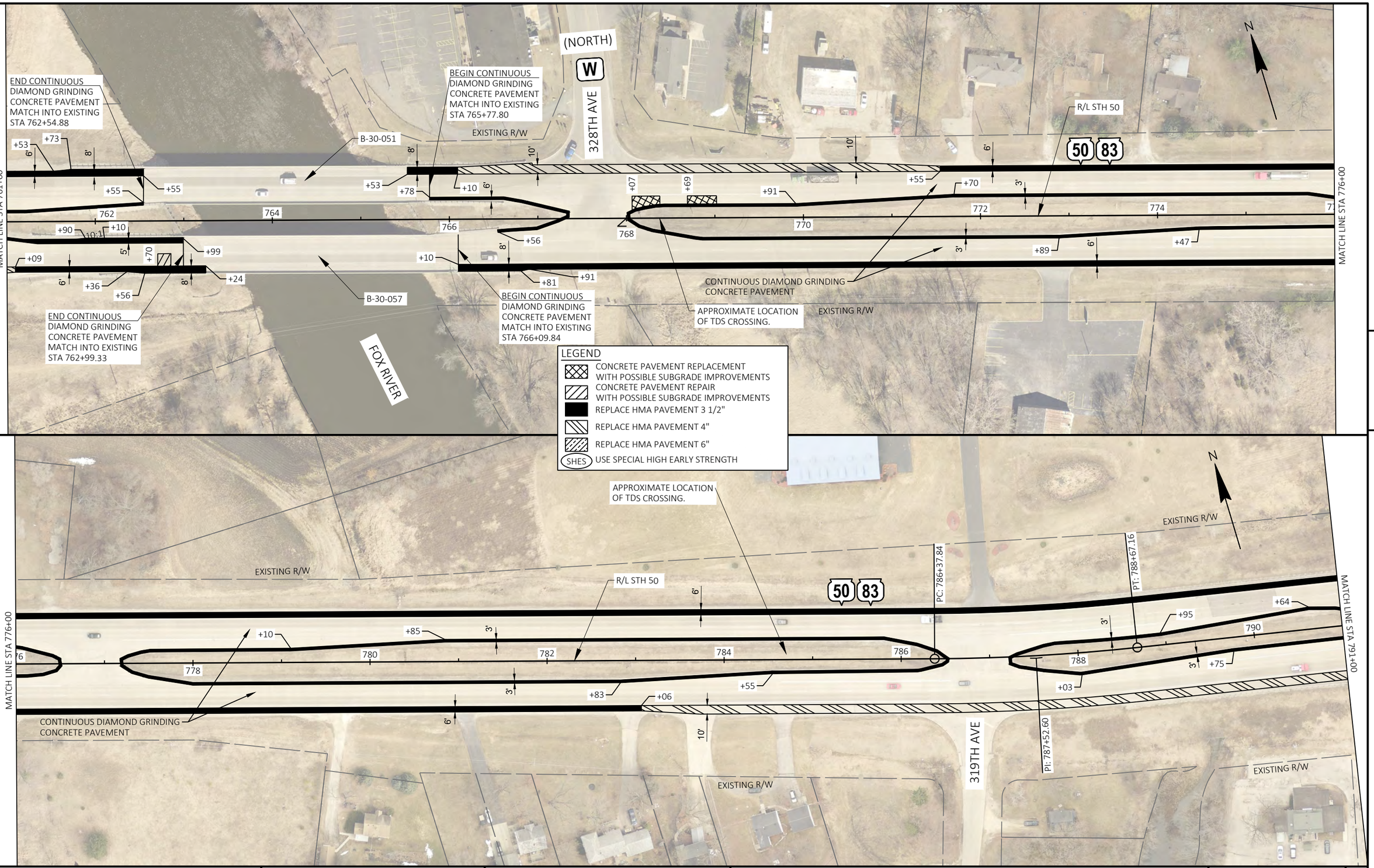


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 253	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021205-pd

PLOT DATE : 10/31/2020 3:04 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 254	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021206-pd

PLOT DATE : 10/31/2020 3:05 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

END CONTINUOUS
DIAMOND GRINDING
CONCRETE PAVEMENT
STA 794+40.11

CANADIAN NATIONAL RR

EXISTING R/W

B-30-058

PI: 796+58.59

BEGIN CONTINUOUS
DIAMOND GRINDING
CONCRETE PAVEMENT
MATCH INTO EXISTING
STA 798+16.19

PT: 800+14.33

R/L STH 50

50 83

EXISTING R/W

PC: 793+02.33

6'

3'

+41

+15

792

794

796

798

800

802

804

806

+13

+70

MATCH LINE STA 791+00

MATCH LINE STA 806+00

+62

10'

6'

3'

6'

CONTINUOUS DIAMOND GRINDING
CONCRETE PAVEMENT

END CONTINUOUS
DIAMOND GRINDING
CONCRETE PAVEMENT
STA 795+43.80

B-30-048

APPROXIMATE LOCATION OF WE
ENERGIES ELECTRICITY CROSSING

BEGIN CONTINUOUS
DIAMOND GRINDING
CONCRETE PAVEMENT
MATCH INTO EXISTING
STA 799+13.02

317TH AVE

CONTINUOUS
DIAMOND
GRINDING
CONCRETE
PAVEMENT

EXISTING R/W

LEGEND

- CONCRETE PAVEMENT REPLACEMENT WITH POSSIBLE SUBGRADE IMPROVEMENTS
- CONCRETE PAVEMENT REPAIR WITH POSSIBLE SUBGRADE IMPROVEMENTS
- REPLACE HMA PAVEMENT 3 1/2"
- REPLACE HMA PAVEMENT 4"
- REPLACE HMA PAVEMENT 6"
- (SHES) USE SPECIAL HIGH EARLY STRENGTH

5

5

APPROXIMATE LOCATION
OF TDS CROSSING.

PI: 815+26.64

EXISTING R/W

EXISTING R/W

R/L STH 50

PC: 808+85.97

6'

+29

+12

+76

+04

50 83

+30

+09

808

810

812

814

816

818

820

3'

3'

3'

3'

5'

6'

6'

+24

10:1

+44

+51

CONTINUOUS DIAMOND GRINDING
CONCRETE PAVEMENT

EXISTING R/W

MATCH LINE STA 806+00

MATCH LINE STA 821+00

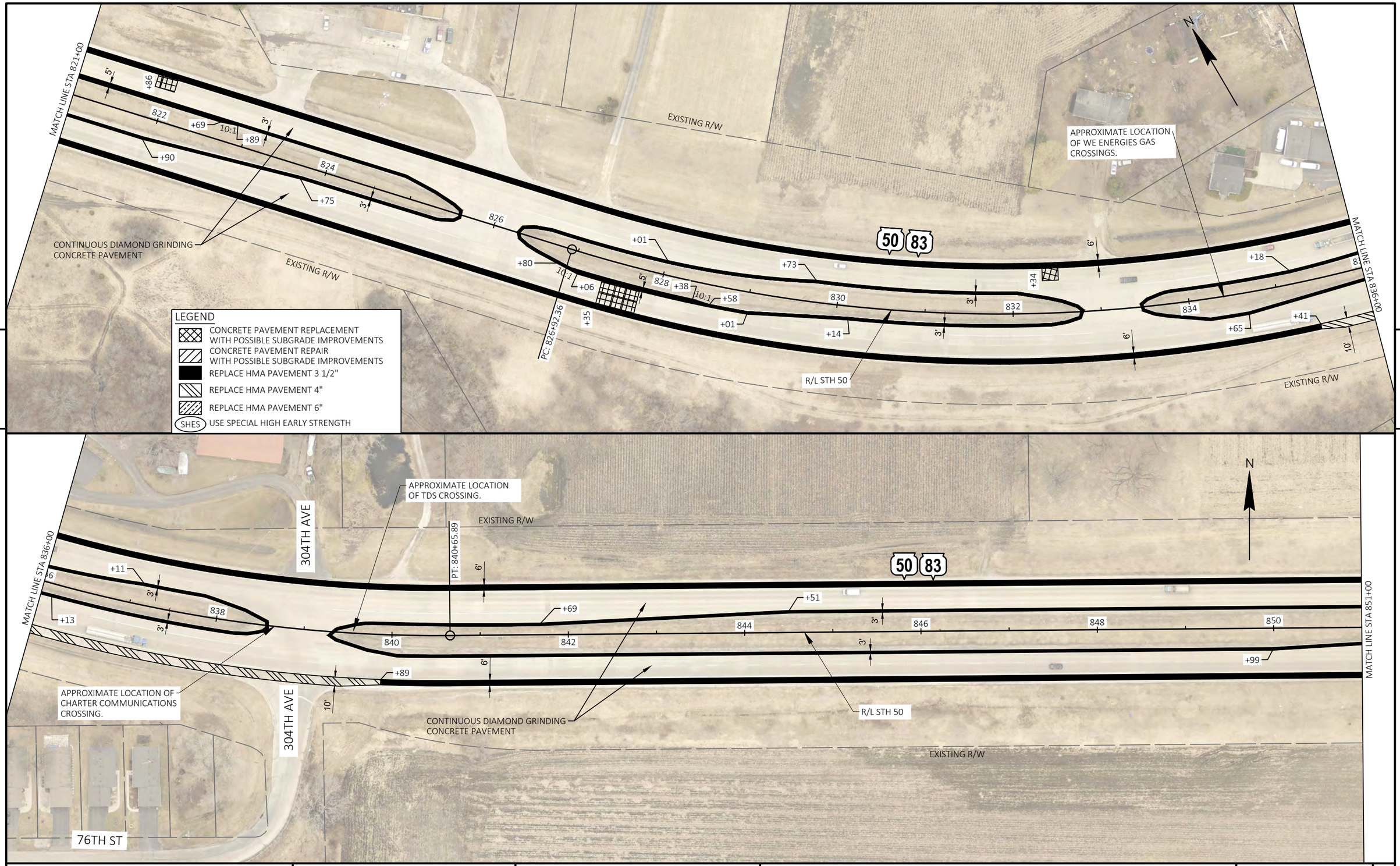
PT: 820+39.73

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 255	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021207-pd

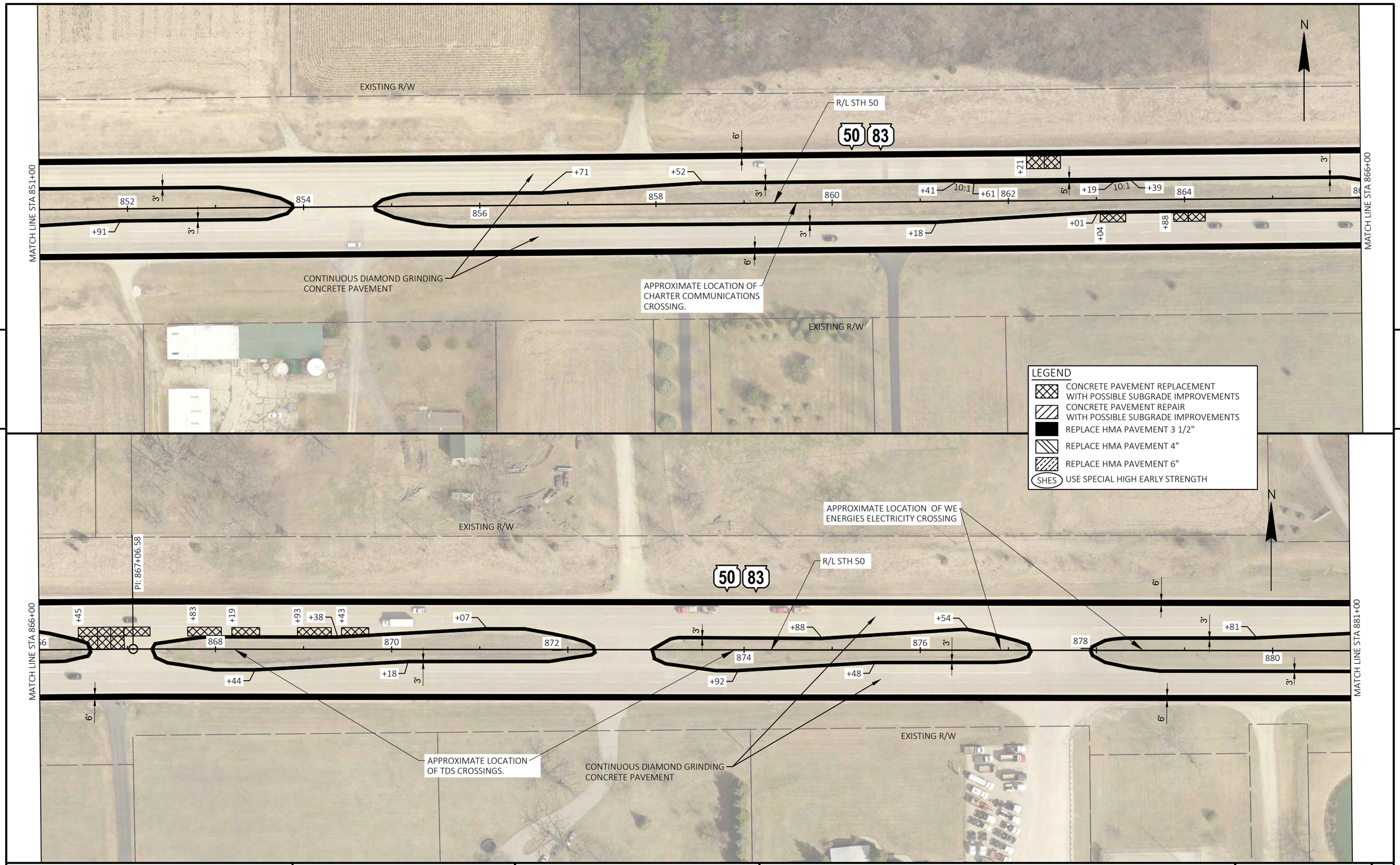
PLOT DATE : 10/31/2020 3:06 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 256 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021208-pd
PLOT DATE : 10/31/2020 3:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF



5

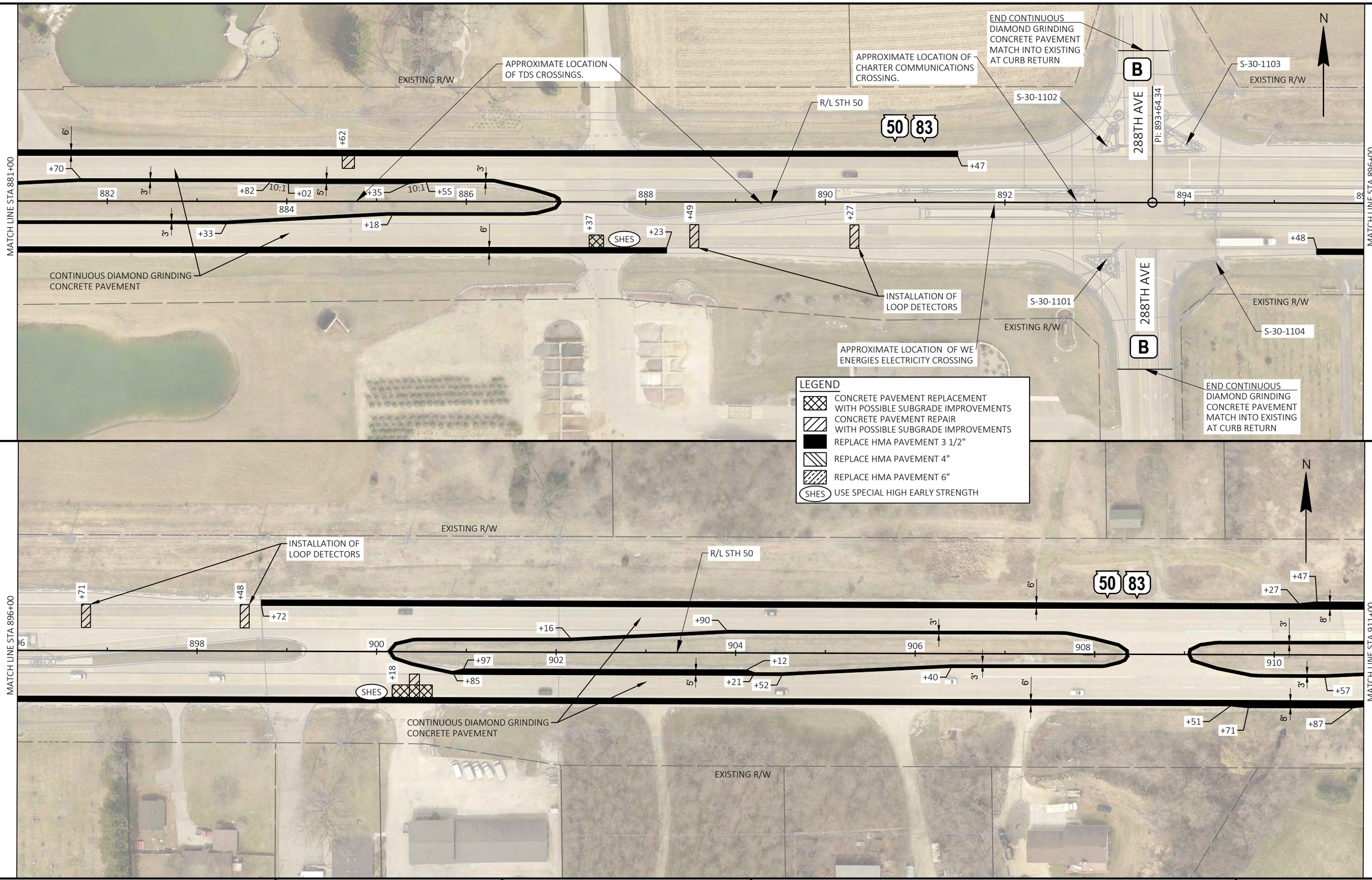
5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 257	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021209-pd

PLOT DATE : 10/31/2020 3:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



5

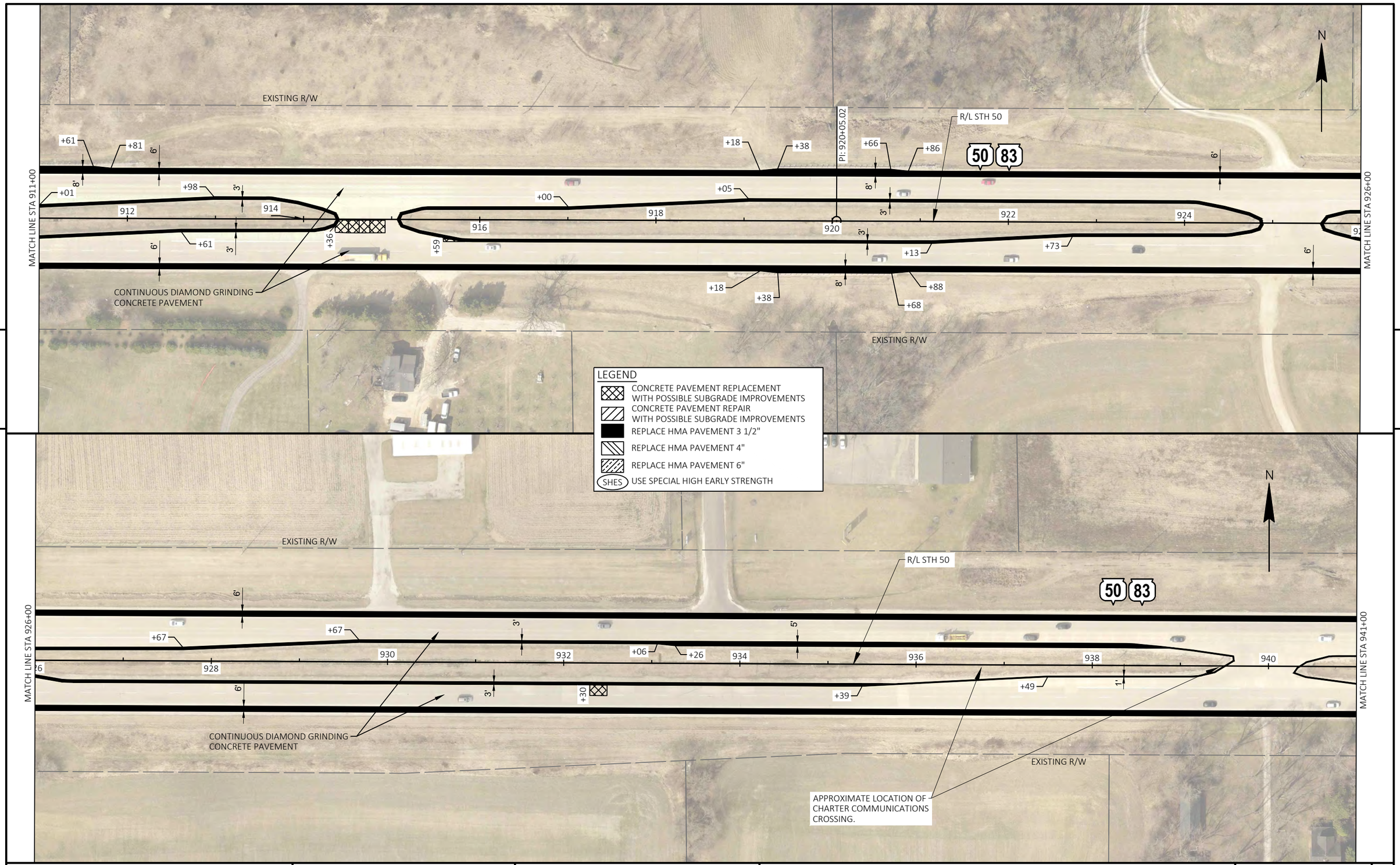
5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 258	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021210-pd

PLOT DATE : 10/31/2020 3:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

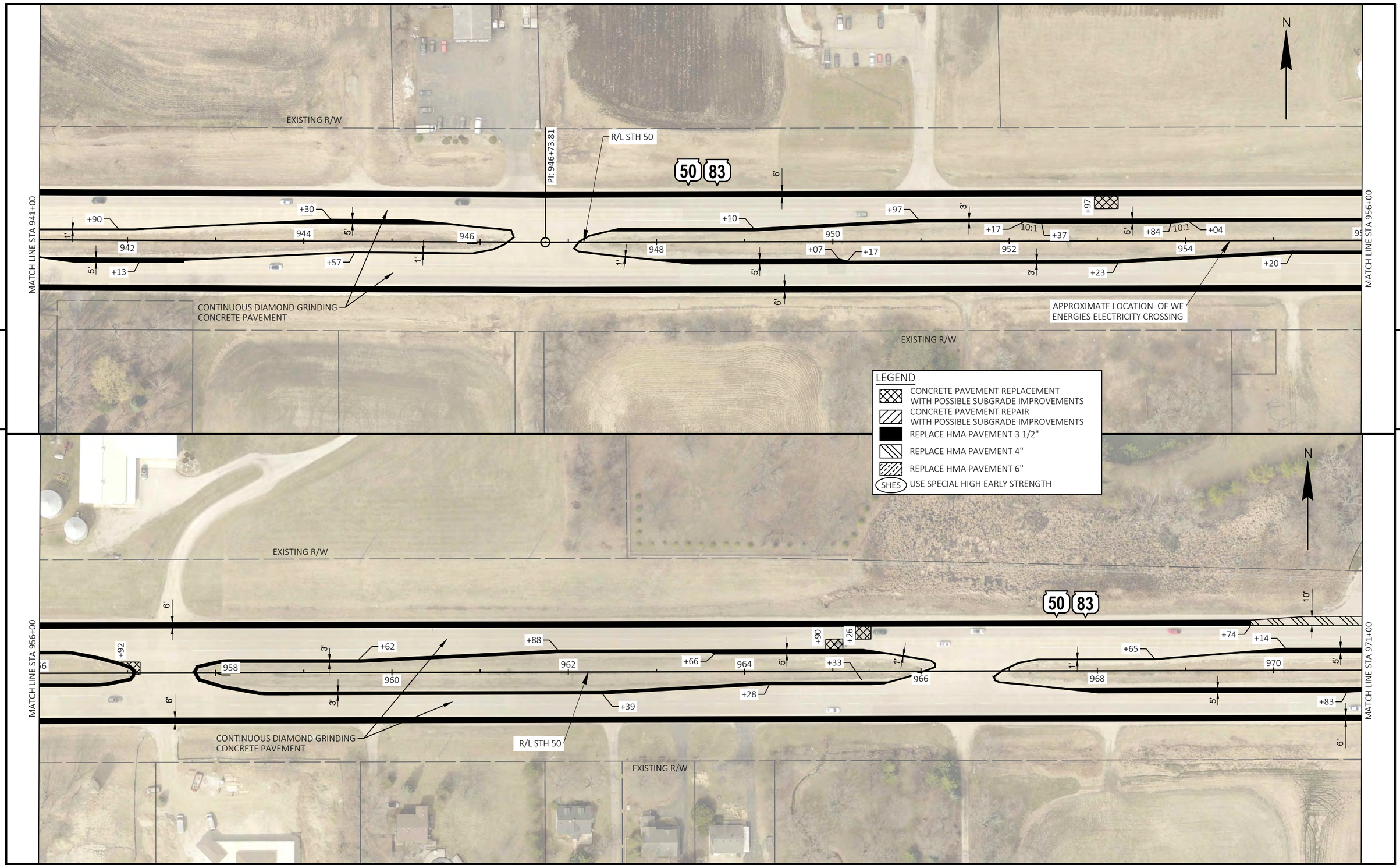


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 259	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021211-pd

PLOT DATE : 10/31/2020 3:07 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 260	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021212-pd

PLOT DATE : 10/31/2020 3:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

265TH AVE

APPROXIMATE LOCATION OF FRONTIER COMMUNICATIONS CROSSING.

EXISTING R/W

PI: 972+57.31

10'

6'

3'

MATCH LINE STA 971+00

+08

+76

+83

972

974

+65

3'

6'

+56

976

+94

3'

978

R/L STH 50

+63

+75

10:1

+31

PC: 980+76.60

5'

+23

10:1

+43

980

+71

982

PI: 982+57.40

50 83

PT: 984+38.08

+38

3'

+20

984

3'

+60

3'

6'

MATCH LINE STA 986+00

+97

CONTINUOUS DIAMOND GRINDING
CONCRETE PAVEMENT

10'

10'

EXISTING R/W

EXISTING R/W

261ST AVE

N

5

5

LEGEND

- CONCRETE PAVEMENT REPLACEMENT WITH POSSIBLE SUBGRADE IMPROVEMENTS
- CONCRETE PAVEMENT REPAIR WITH POSSIBLE SUBGRADE IMPROVEMENTS
- REPLACE HMA PAVEMENT 3 1/2"
- REPLACE HMA PAVEMENT 4"
- REPLACE HMA PAVEMENT 6"
- SHES USE SPECIAL HIGH EARLY STRENGTH

EXISTING R/W

APPROXIMATE LOCATION OF WE ENERGIES ELECTRICITY CROSSING

MATCH LINE STA 986+00

+58

+68

3'

6'

+81

+14

988

990

992

PC: 992+90.28

R/L STH 50

PI: 994+72.40

994

996

PT: 996+54.40

998

PI: 999+20.34

1000

50 83

EXISTING R/W

+45

2'

+01

+57

CONTINUOUS DIAMOND GRINDING
CONCRETE PAVEMENT

+34

EXISTING R/W

BEGIN EXCEPTION TO NET CENTERLINE
END CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING STA 994+20.64

SILVER LAKE RD

EXISTING R/W

APPROXIMATE LOCATION OF CHARTER COMMUNICATIONS CROSSING.

N

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 261	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021213-pd

PLOT DATE : 10/31/2020 3:08 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

END EXCEPTION TO NET CENTERLINE
BEGIN CONTINUOUS
DIAMOND GRINDING
CONCRETE PAVEMENT
MATCH INTO EXISTING
STA 1068+21.42

EXISTING R/W

+21

1066

1068

1070

+84

50

R/L STH 50

PC: 1075+85.06

75TH ST

PT: 1078+52.49

6"

+23

1072

1074

3"

+82

1076

+81

+39

+18

1078

1080

+79

6"

CONTINUOUS DIAMOND GRINDING
CONCRETE PAVEMENT

EXISTING R/W

MATCH LINE STA 1081+00

N

5

5

LEGEND

- CONCRETE PAVEMENT REPLACEMENT WITH POSSIBLE SUBGRADE IMPROVEMENTS
- CONCRETE PAVEMENT REPAIR WITH POSSIBLE SUBGRADE IMPROVEMENTS
- REPLACE HMA PAVEMENT 3 1/2"
- REPLACE HMA PAVEMENT 4"
- REPLACE HMA PAVEMENT 6"
- SHES USE SPECIAL HIGH EARLY STRENGTH

EXISTING R/W

50

75TH ST

MATCH LINE STA 1081+00

6"

+04

1082

1084

1086

1088

3"

1090

+13

1092

+08

1094

+17

+67

6"

CONTINUOUS DIAMOND GRINDING
CONCRETE PAVEMENT

R/L STH 50

EXISTING R/W

MATCH LINE STA 1096+00

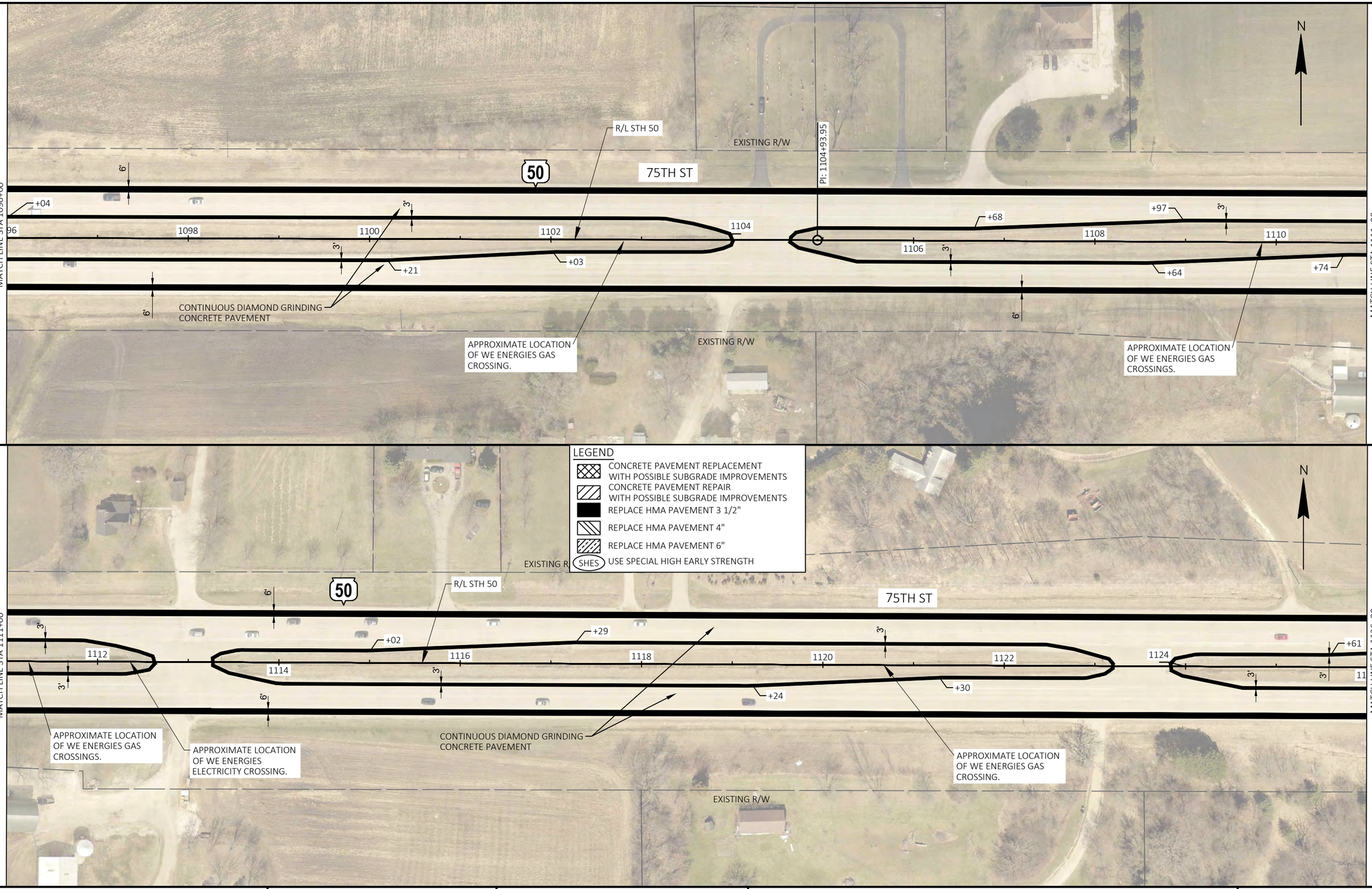
N

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 262	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021214-pd

PLOT DATE : 10/31/2020 3:19 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



5

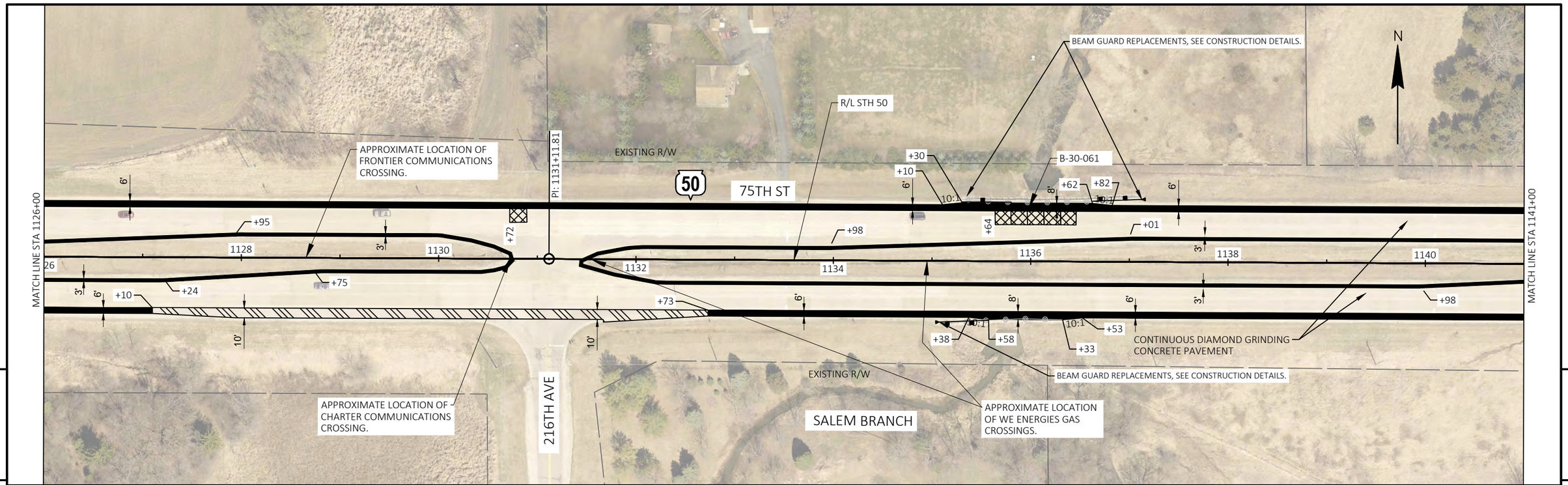
5

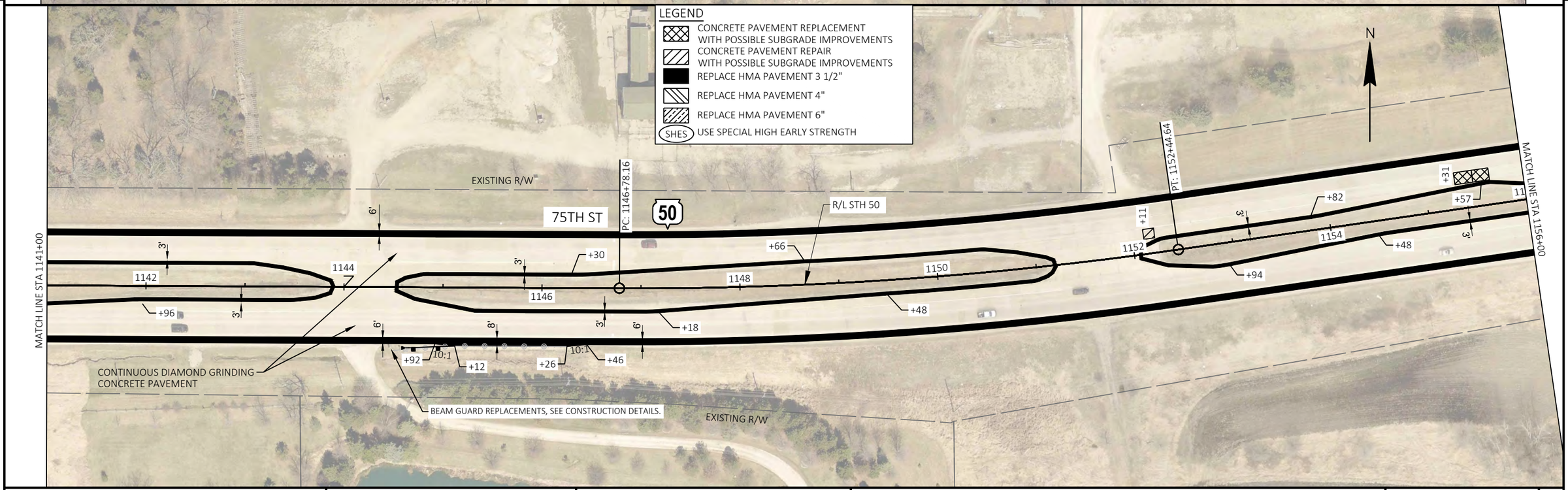
PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 263	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021215-pd

PLOT DATE : 10/31/2020 3:19 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



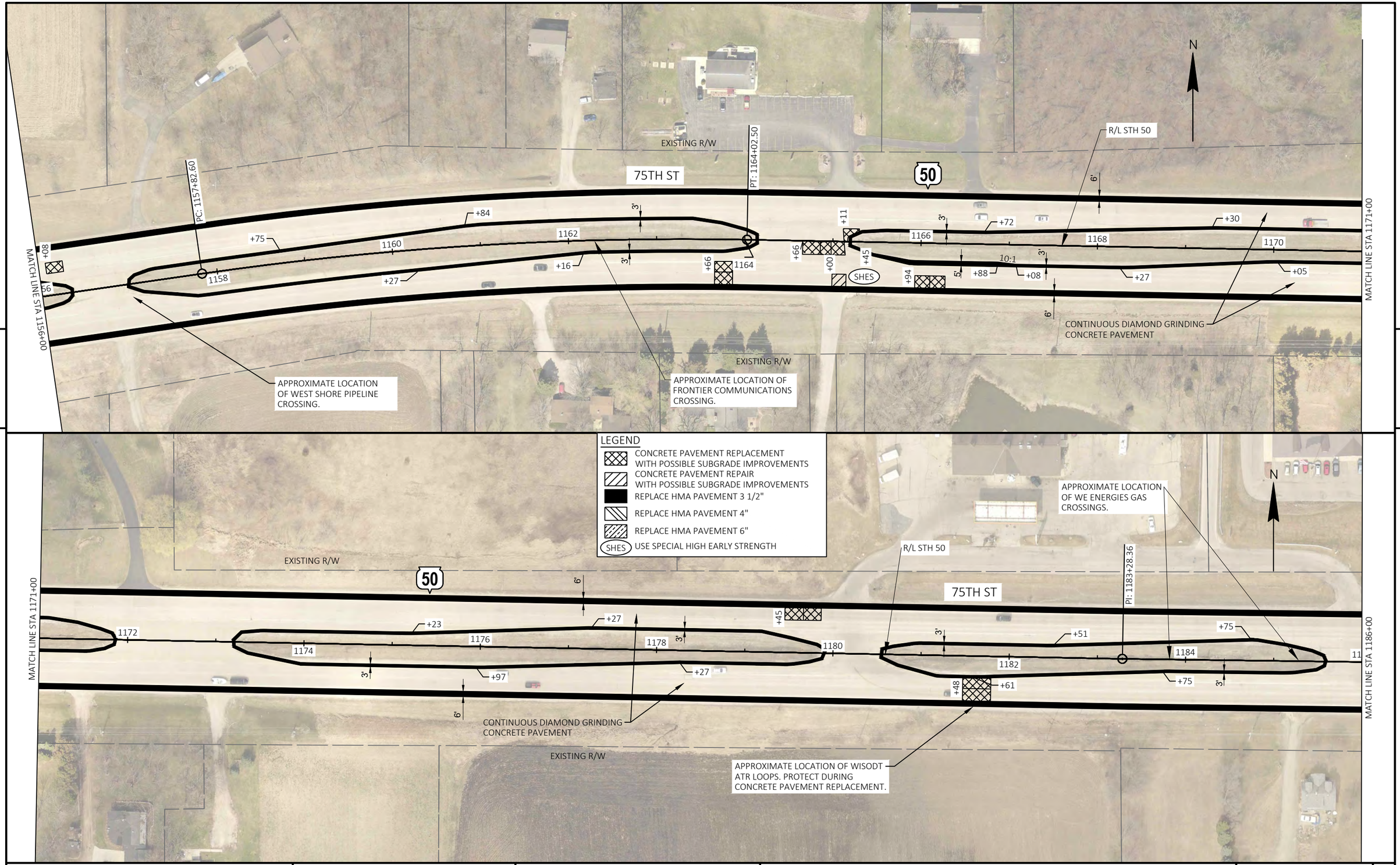


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 264	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021216-pd

PLOT DATE : 10/31/2020 3:19 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



5 5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 265	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021217-pd

PLOT DATE : 10/31/2020 3:19 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

APPROXIMATE LOCATION OF WE ENERGIES GAS CROSSING.

EXISTING R/W

END CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING AT CURB RETURN

200TH AVE/ BRISTOL RD

45

ADJUSTING INLET COVERS AND SALVAGED INLET COVERS

STA 1197+58 TO STA 1197+70 REPLACE CONCRETE CURB & GUTTER 54-INCH TYPE A SPECIAL

N

R/L STH 50

50

75TH ST

MATCH LINE STA 1186+00

MATCH LINE STA 1201+00

CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT

APPROXIMATE LOCATION OF CHARTER COMMUNICATIONS AND FRONTIER COMMUNICATIONS CROSSINGS.

END CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING AT CURB RETURN

LEGEND

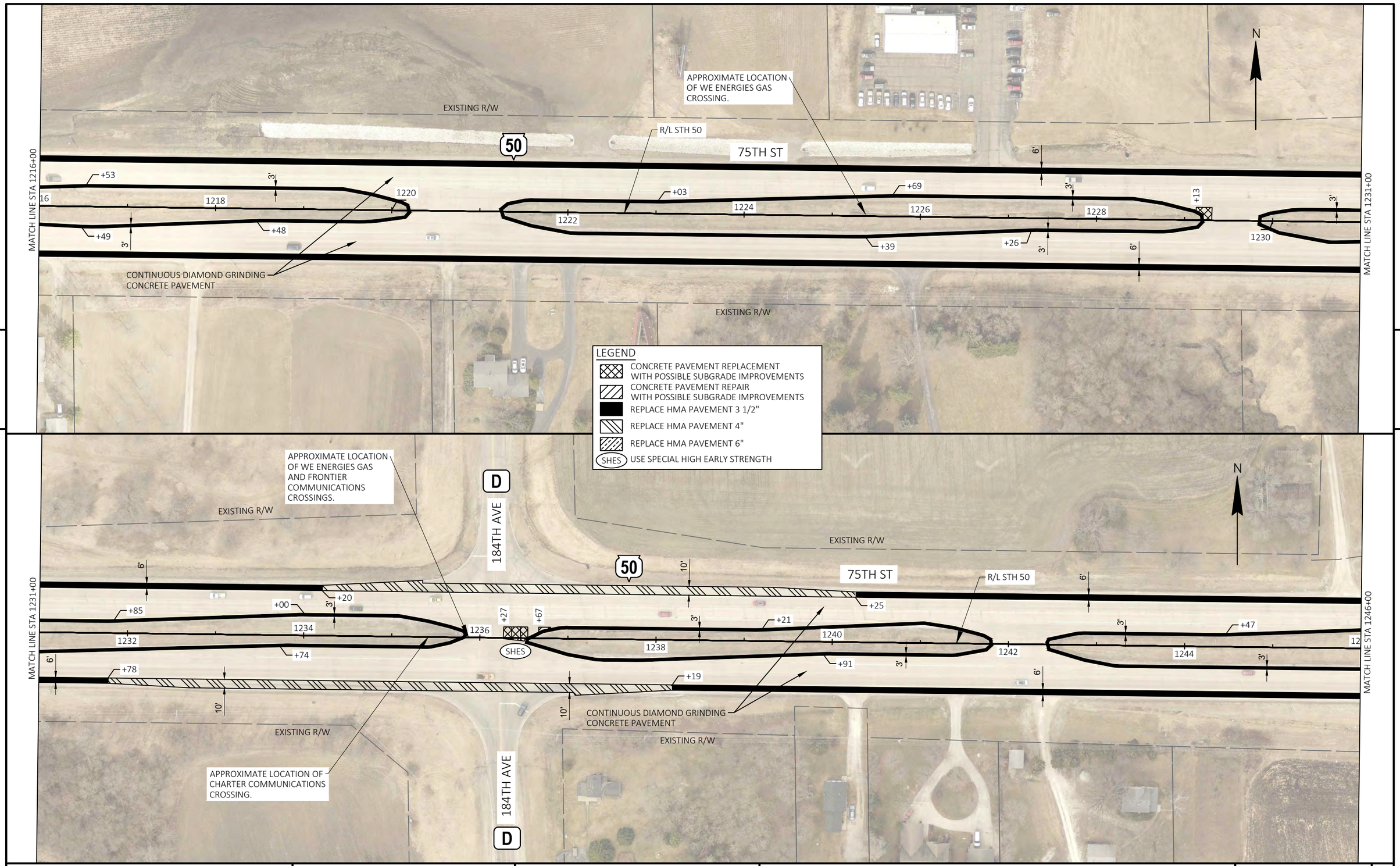
- CONCRETE PAVEMENT REPLACEMENT WITH POSSIBLE SUBGRADE IMPROVEMENTS
- CONCRETE PAVEMENT REPAIR WITH POSSIBLE SUBGRADE IMPROVEMENTS
- REPLACE HMA PAVEMENT 3 1/2"
- REPLACE HMA PAVEMENT 4"
- REPLACE HMA PAVEMENT 6"
- SHES USE SPECIAL HIGH EARLY STRENGTH

END CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING

APPROXIMATE LOCATION OF WE ENERGIES GAS CROSSING.

PI: 1209+76.60

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 266	E



PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 267 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021219-pd

PLOT DATE : 10/31/2020 3:20 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

MATCH LINE STA 1246+00

EXISTING R/W

APPROXIMATE LOCATION OF WE ENERGIES GAS CROSSING.

75TH ST

50

R/L STH 50

N

MATCH LINE STA 1261+00

CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT

EXISTING R/W

LEGEND

- CONCRETE PAVEMENT REPLACEMENT WITH POSSIBLE SUBGRADE IMPROVEMENTS
- CONCRETE PAVEMENT REPAIR WITH POSSIBLE SUBGRADE IMPROVEMENTS
- REPLACE HMA PAVEMENT 3 1/2"
- REPLACE HMA PAVEMENT 4"
- REPLACE HMA PAVEMENT 6"
- SHES USE SPECIAL HIGH EARLY STRENGTH

END CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING STA 1264+72.62

PC: 1263+20.57

BEAM GUARD REPLACEMENTS, SEE CONSTRUCTION DETAILS.

B-30-055

B-30-054

DES PLAINES RIVER

END CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING STA 1265+22.78

BEGIN CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT MATCH INTO EXISTING STA 1271+22.29

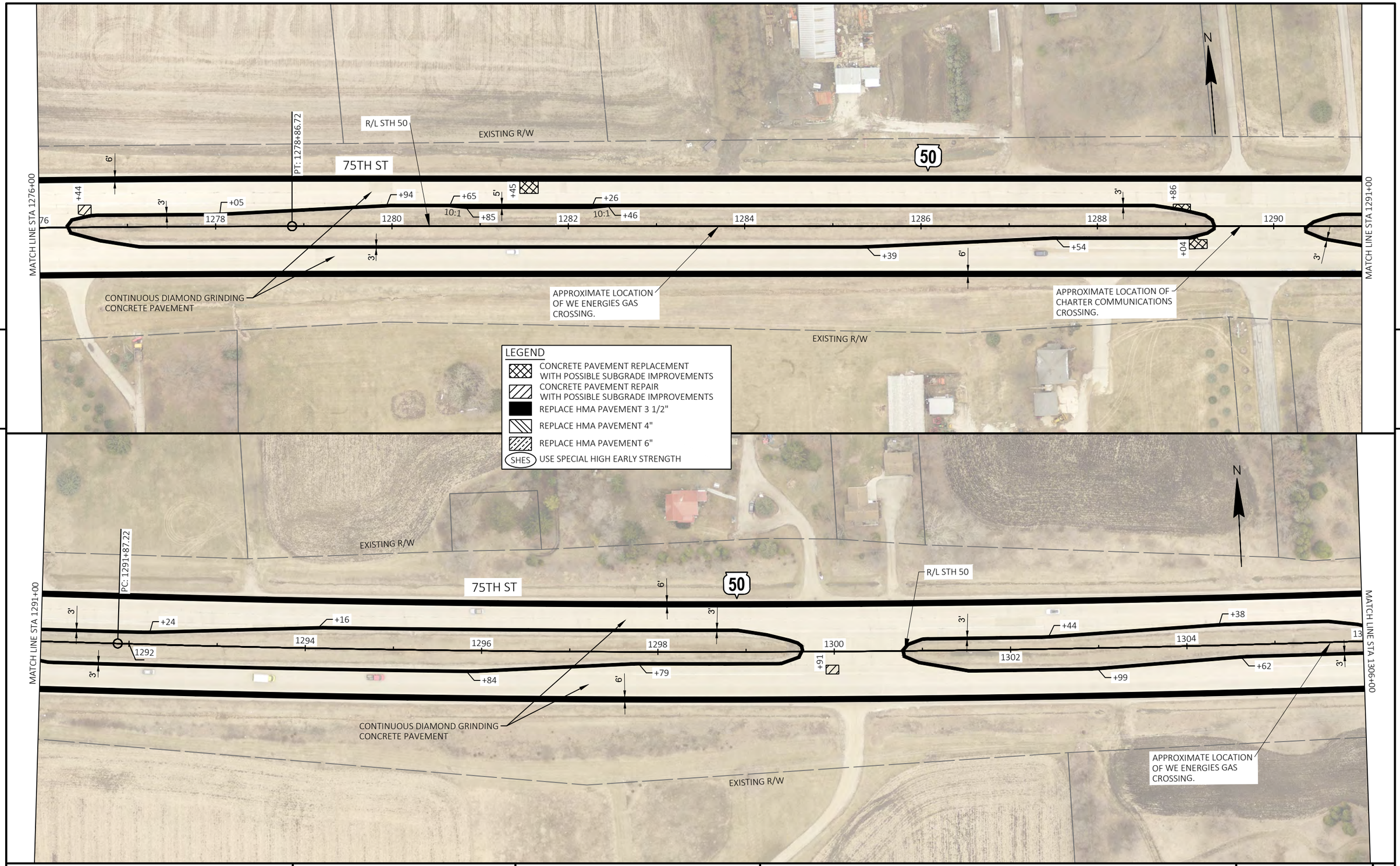
CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 268	E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021220-pd

PLOT DATE : 10/31/2020 3:20 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44



5

5

PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 269	E

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LAYOUT NAME - 021221-pd

PLOT DATE : 10/31/2020 3:20 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

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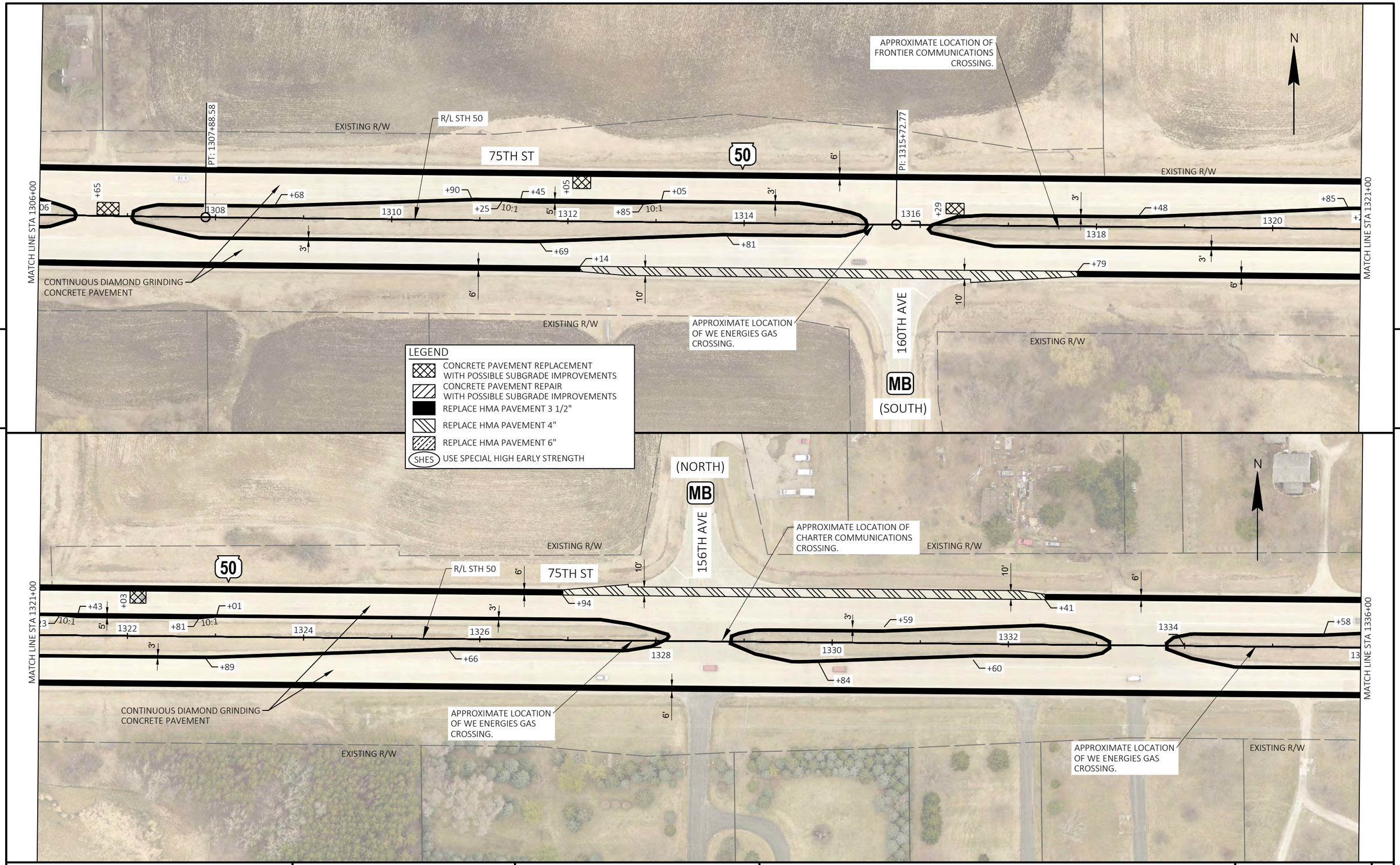

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LAYOUT NAME - 021222-pd

PLOT DATE : 10/31/2020 3:20 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

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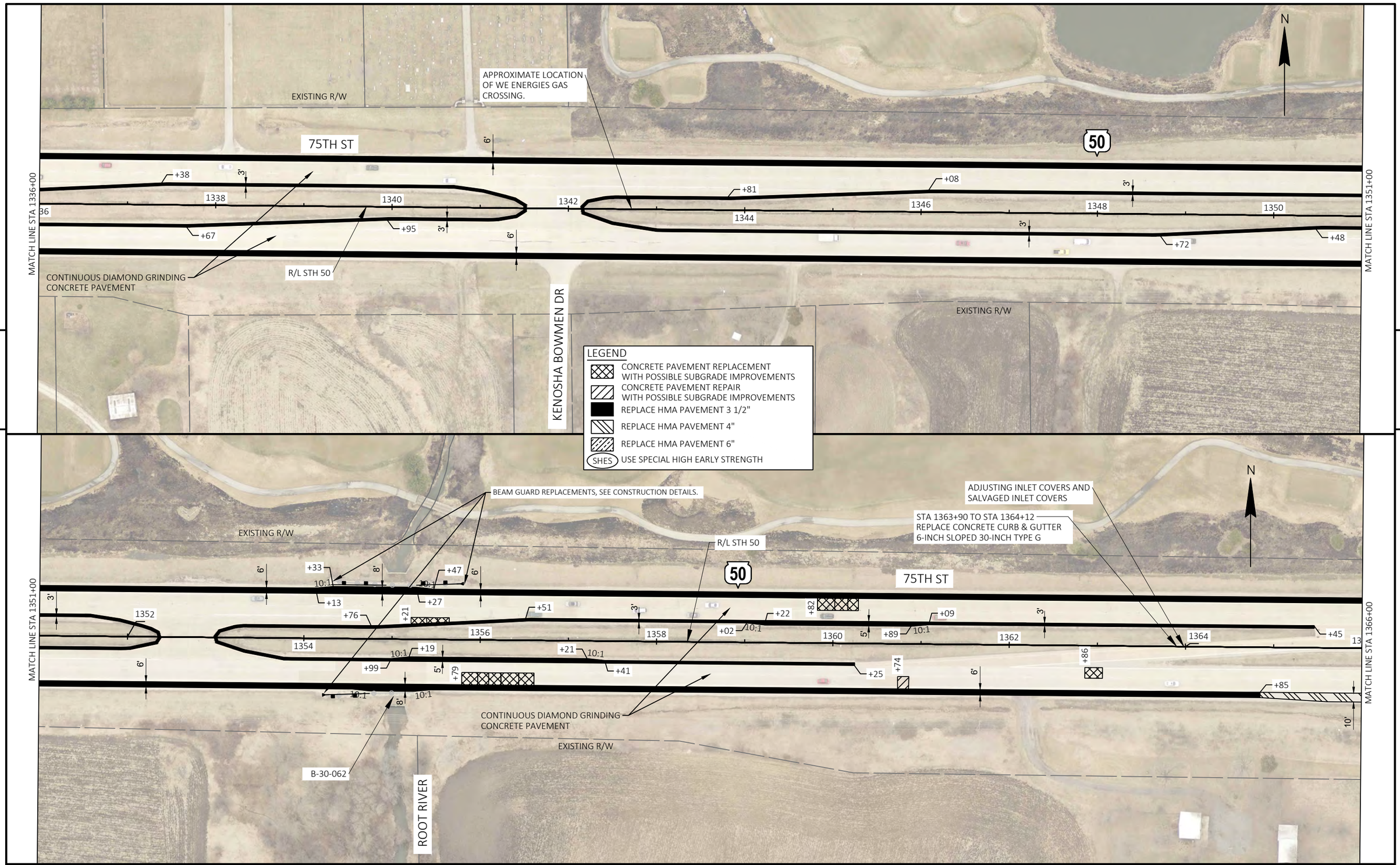
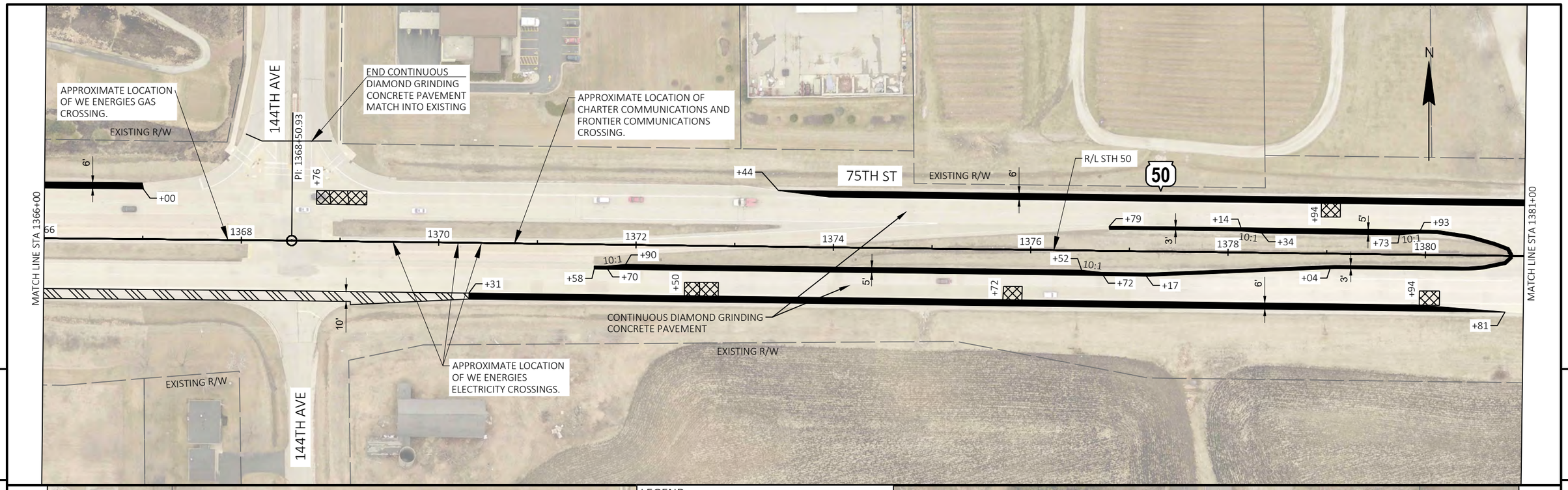
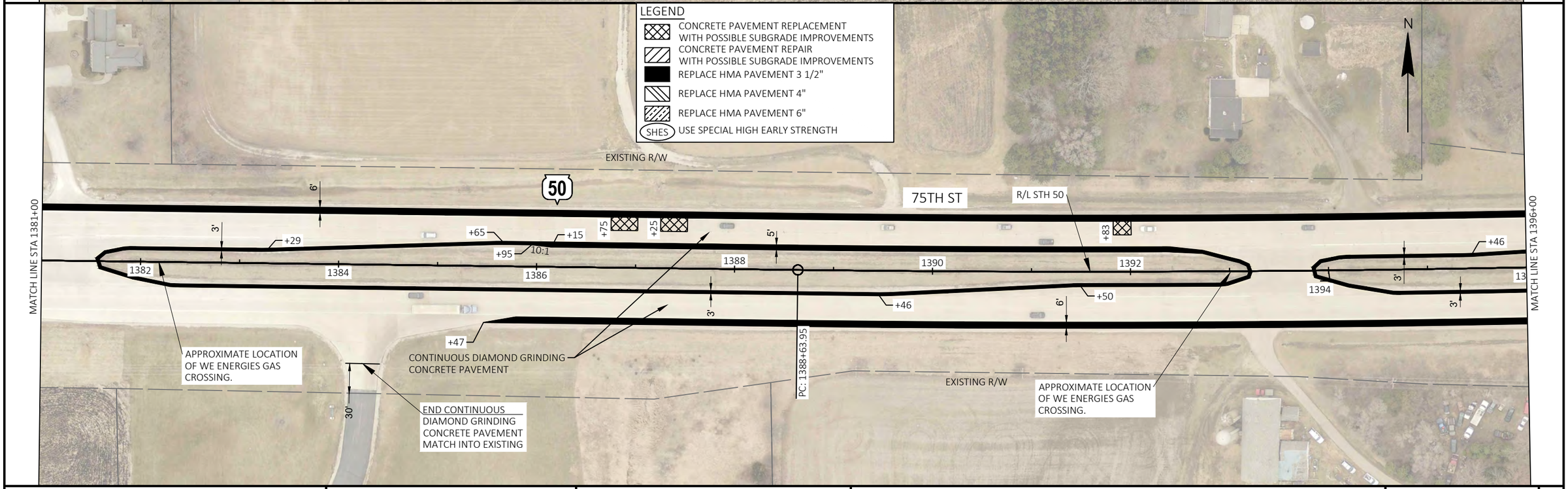


PROJECT NO: 1310-18-70	HWY: STH 50	COUNTY: KENOSHA	PLANS	SHEET 271 E

FILE NAME : X:\BM1-3694A STH 50, KENOSHA\5_DESIGN\03_ROADS\13101870\SHEETSPLAN\021202-PD.DWG
LAYOUT NAME - 021223-pd
PLOT DATE : 10/31/2020 3:20 PM
PLOT BY : VALBON LATIFI
PLOT NAME :
PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44





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PLOT NAME :
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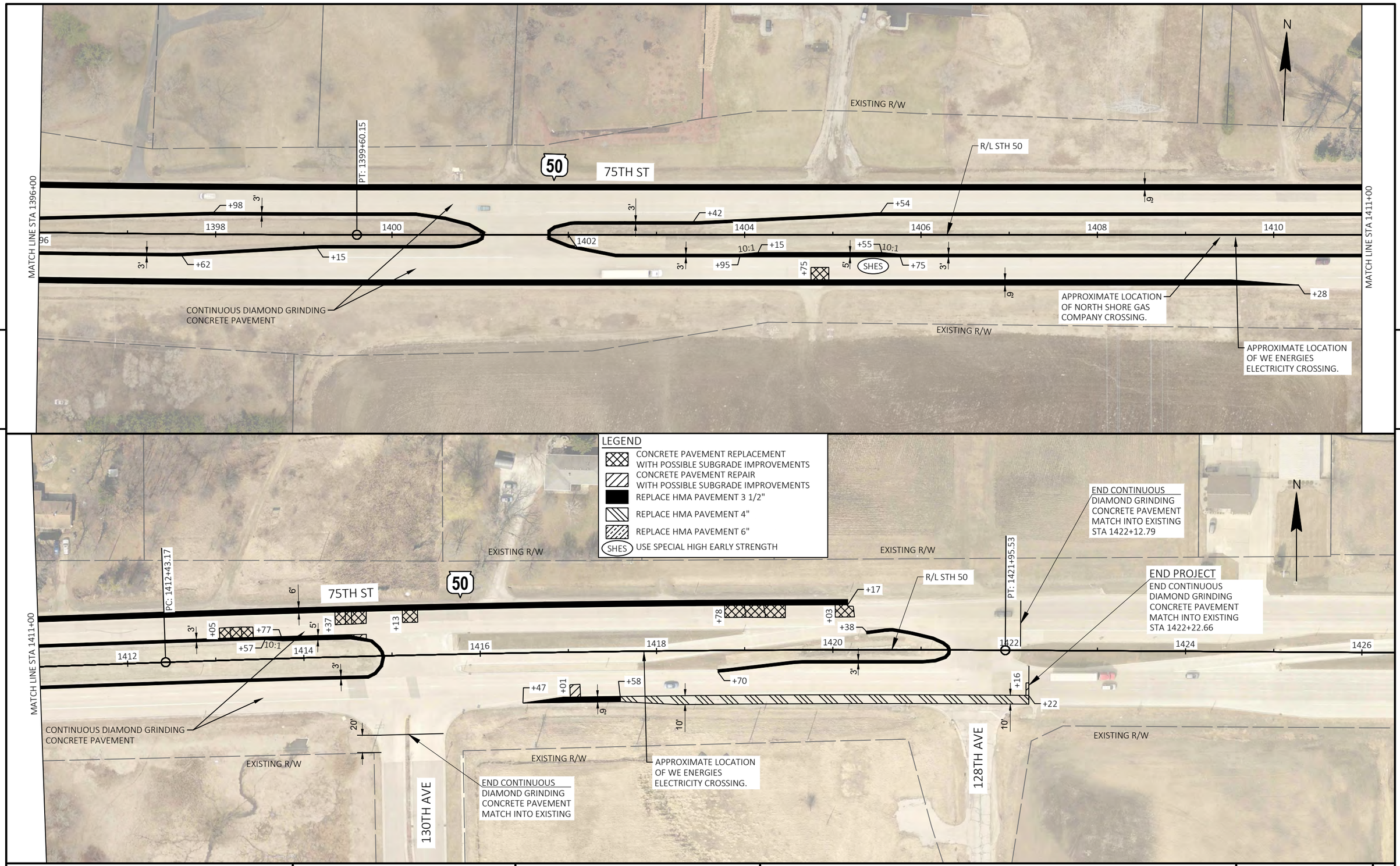
WISDOT/CADDS SHEET 44



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LAYOUT NAME - 021225-pd

PLOT DATE : 10/31/2020 3:21 PM PLOT BY : VALBON LATIFI PLOT NAME : PLOT SCALE : 1:100_XREF

WISDOT/CADDS SHEET 44

Standard Detail Drawing List

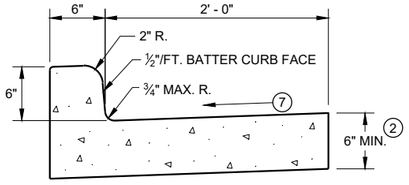
08D01-21A	CONCRETE CURB & GUTTER
08D01-21B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E15-01	CULVERT PIPE CHECK
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C11-10	CONCRETE BASE TYPE 10
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-09C	TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
09E08-09E	TYPE 10 POLE 15'-30' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H15-01	MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY INSTALLATION
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
13A05-05A	SHOULDER RUMBLE STRIP, MILLING
13C09-15A	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15B	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
13C09-15C	CONCRETE PAVEMENT REPAIR AND REPLACEMENT
14B15-11A	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11B	STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATION & ELEMENTS
14B15-11C	STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS
14B16-04A	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B16-04B	ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2
14B18-06A	STEEL PLATE BEAM GUARD, CLASS "A" (AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS)
14B18-06B	STEEL PLATE BEAM GUARD, CLASS "A" AT MEDIAN APPROACH TO BRIDGES
14B20-11D	STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS
14B24-09A	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09B	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
14B24-09C	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15E	PAVEMENT MARKING FOR BIKE LANES
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20B	PAVEMENT MARKING (TURN LANES)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-07	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C14-03	AERIAL ENFORCEMENT BARS PAVEMENT MARKING DETAILS
15C18-04	MEDIAN ISLAND MARKING
15C19-06C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C20-02	YIELD MARKING
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-04A	PAVEMENT MARKING (INTERSECTIONS)
15D12-09A	TRAFFIC CONTROL, LANE CLOSURE
15D12-09B	TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY

6

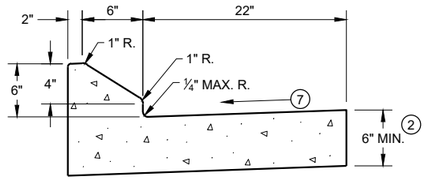
Standard Detail Drawing List

15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D39-02	TRAFFIC CONTROL, DROP-OFF SIGNING

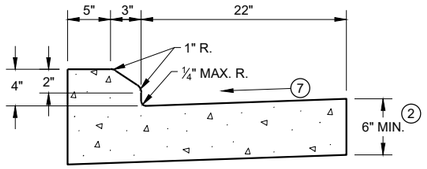
6



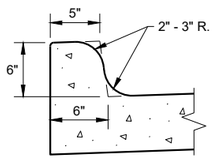
TYPES A[1] & D



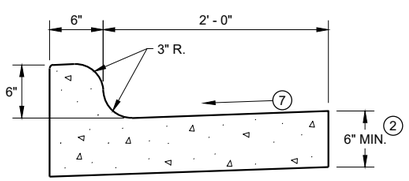
6" SLOPED CURB TYPES G[1] & J



4" SLOPED CURB TYPES G[1] & J

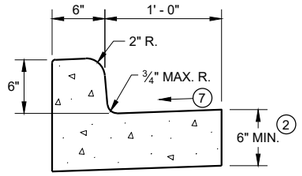


TYPES K[1] & L
(OPTIONAL CURB SHAPE)



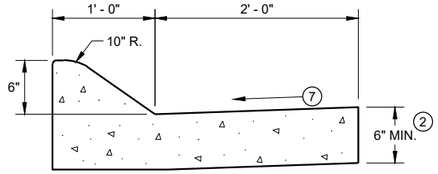
TYPES K[1] & L

CONCRETE CURB AND GUTTER 30"

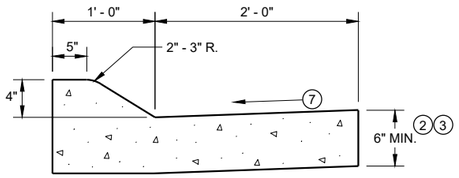


TYPES A[1] & D

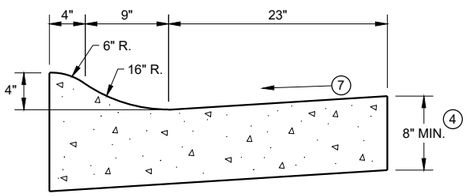
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A[1] & D



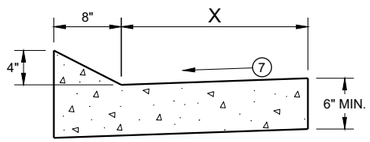
4" SLOPED CURB TYPES A[1] & D



4" SLOPED CURB TYPES R[1] & T[5]

CONCRETE CURB AND GUTTER 36"

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

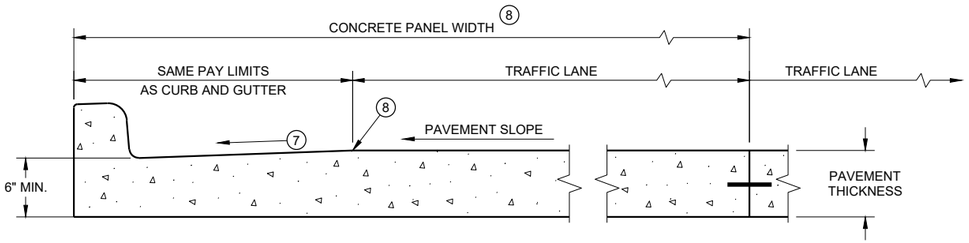


TYPES TBT & TBTT[1]

CONCRETE CURB AND GUTTER

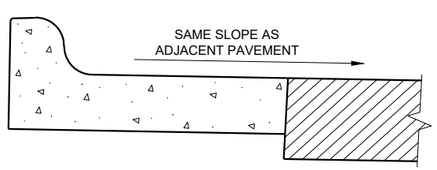
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

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

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

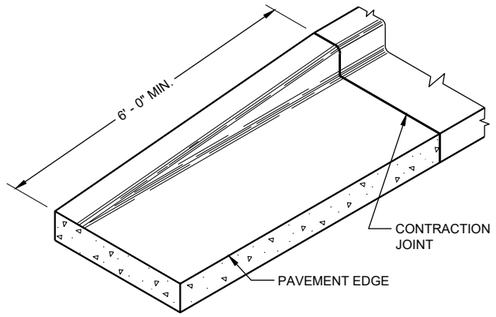
1. TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.
2. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.
3. USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.
4. THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.
5. 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.

CONCRETE CURB AND GUTTER

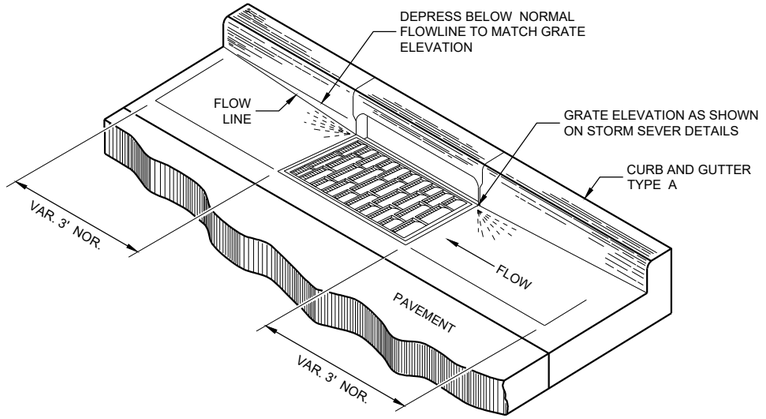
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D01 - 21a
SDD 08D01 - 21a



END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

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

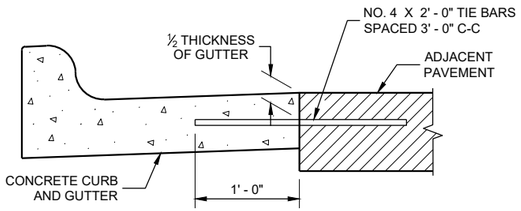
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

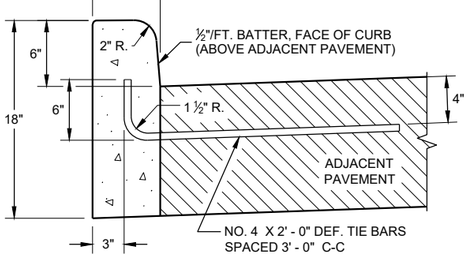
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

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

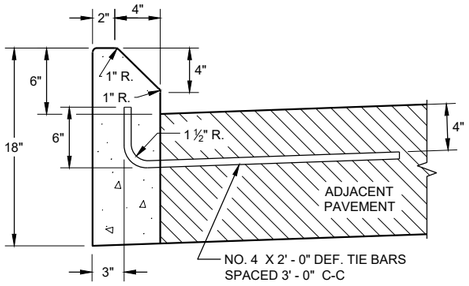
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

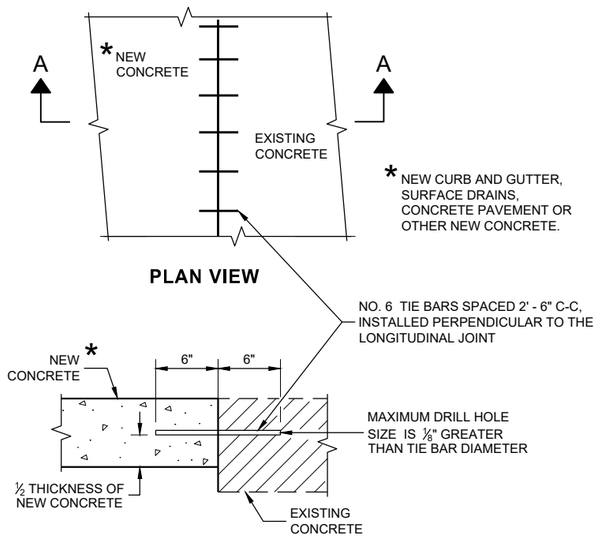


TYPES A (1) & D



TYPES G (1) & J

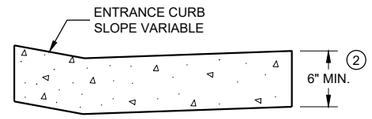
CONCRETE CURB



PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

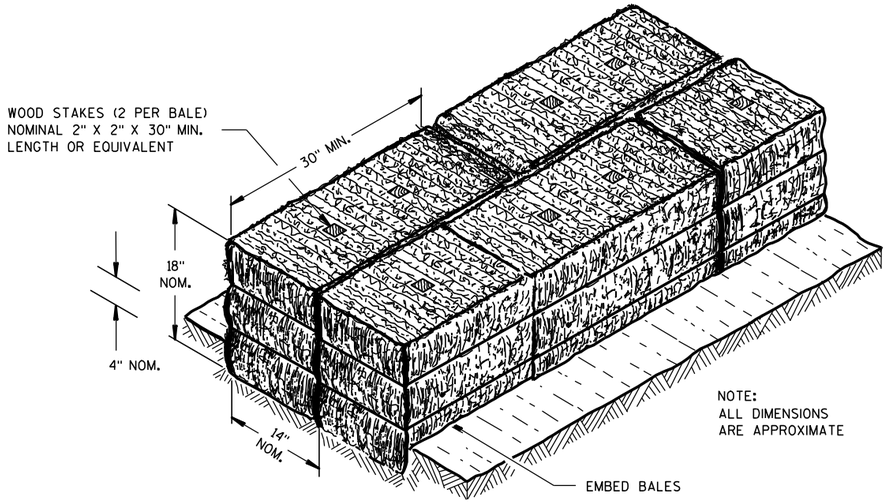
APPROVED
February 2020 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER
277
FHWA

6

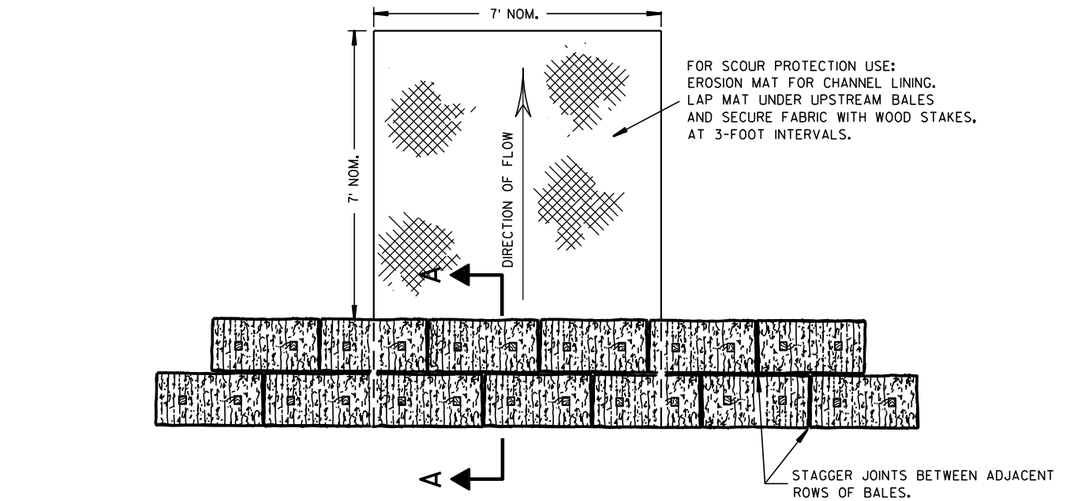
SDD08D01 - 21b

6

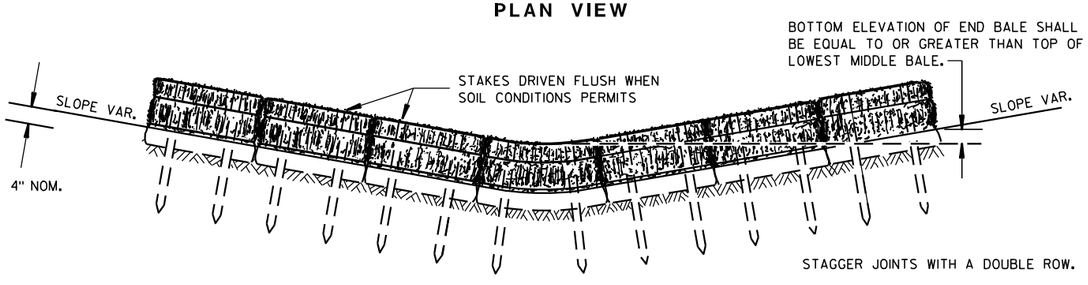
SDD08D01 - 21b



SECTION A-A



PLAN VIEW



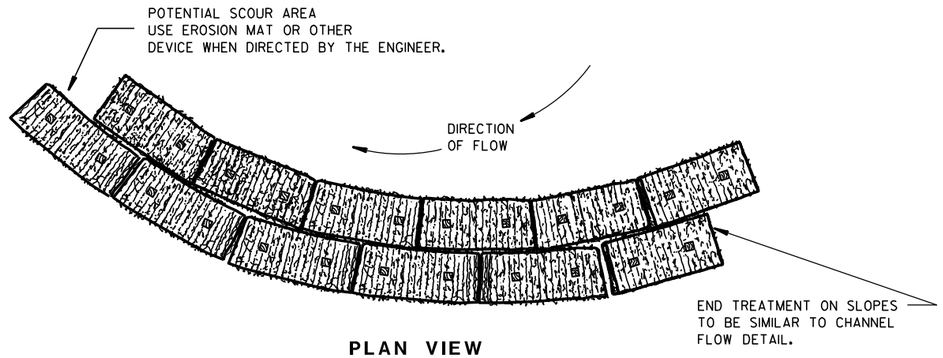
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

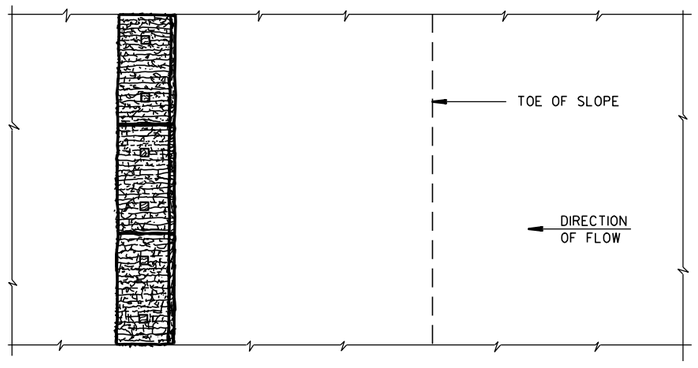
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

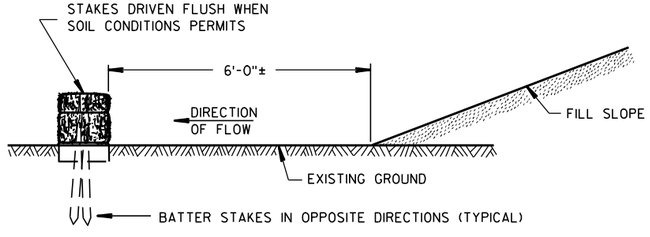


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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S.D.D. 8 E 8-3

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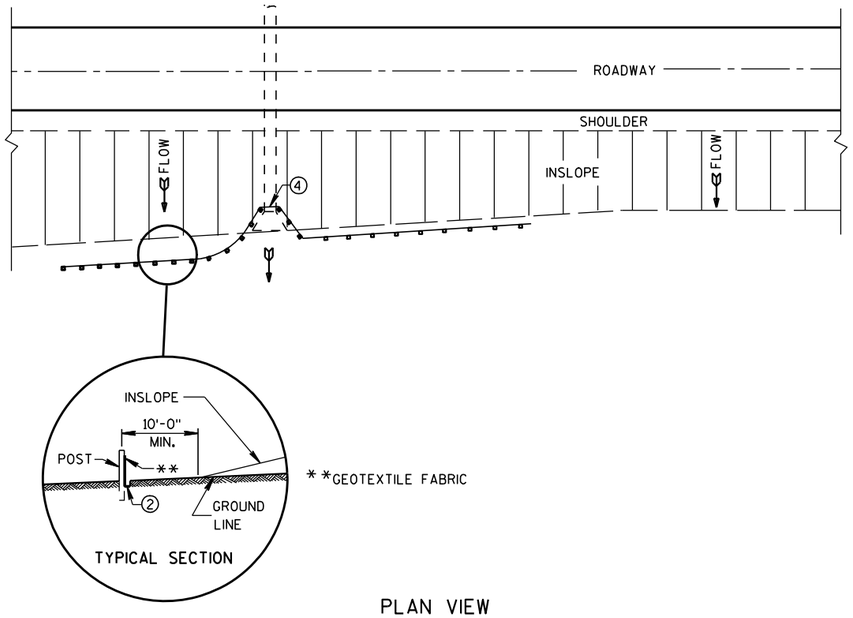
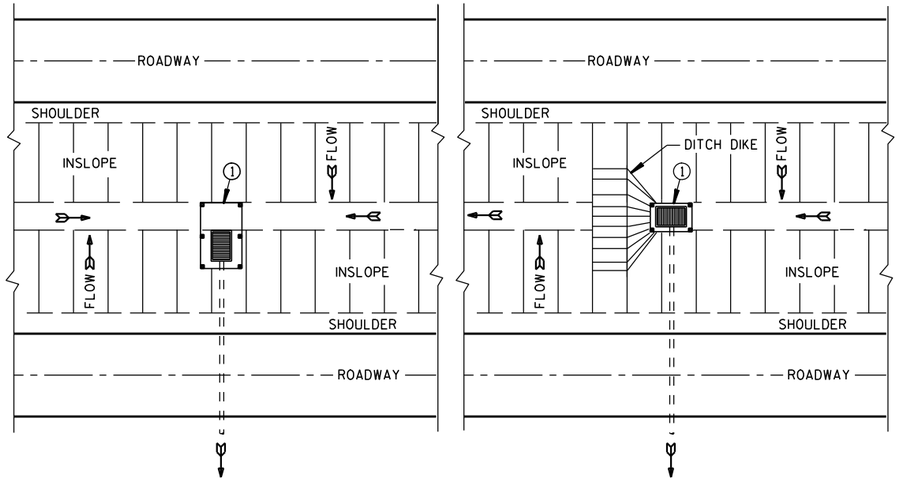
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



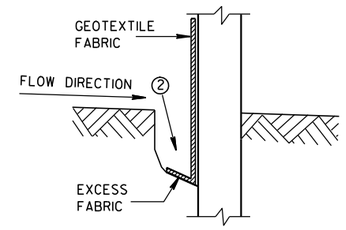
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

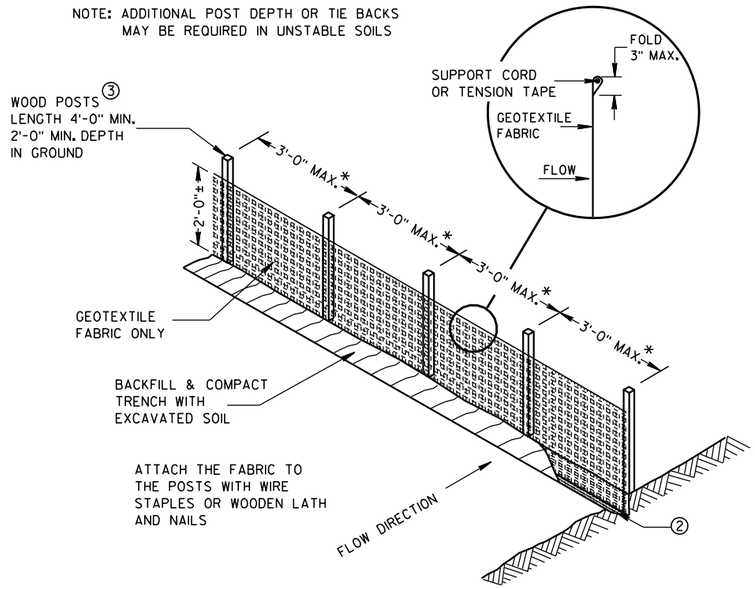
GENERAL NOTES

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

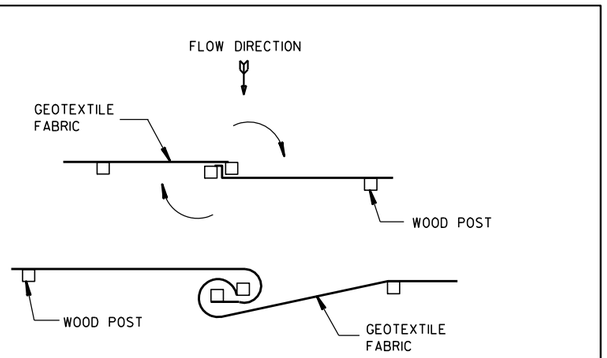
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL 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.



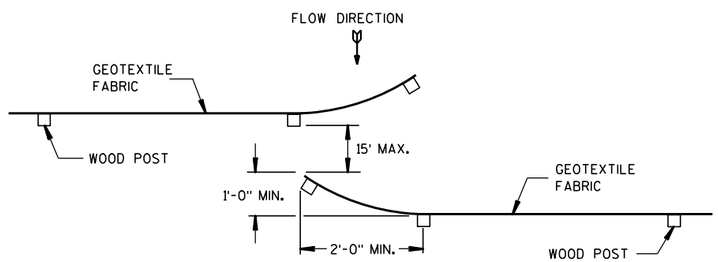
TRENCH DETAIL



SILT FENCE

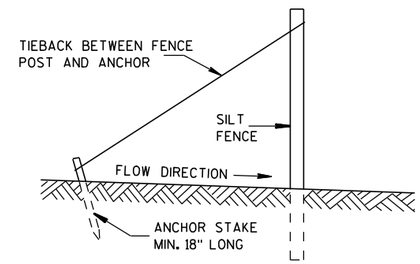


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

279

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S.D.D. 8 E 9-6

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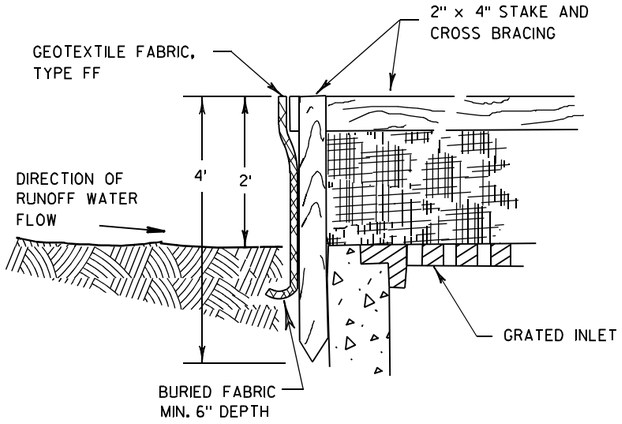
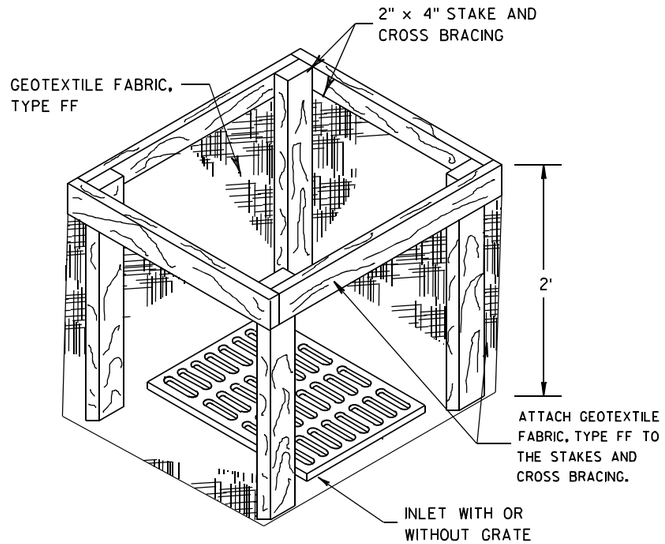
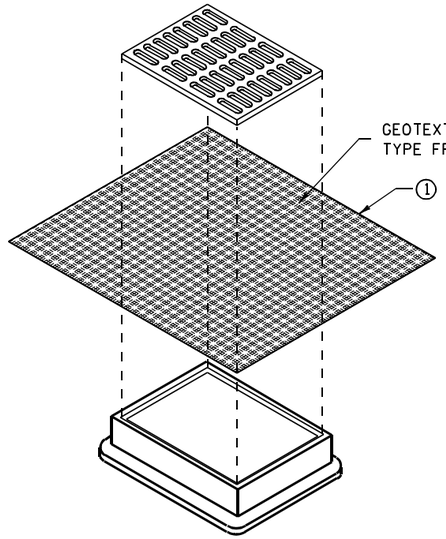
S.D.D. 8 E 9-6



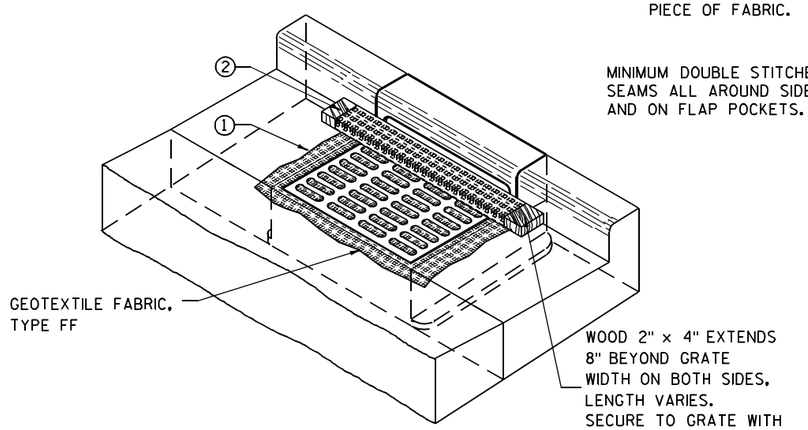


INLET PROTECTION, TYPE A

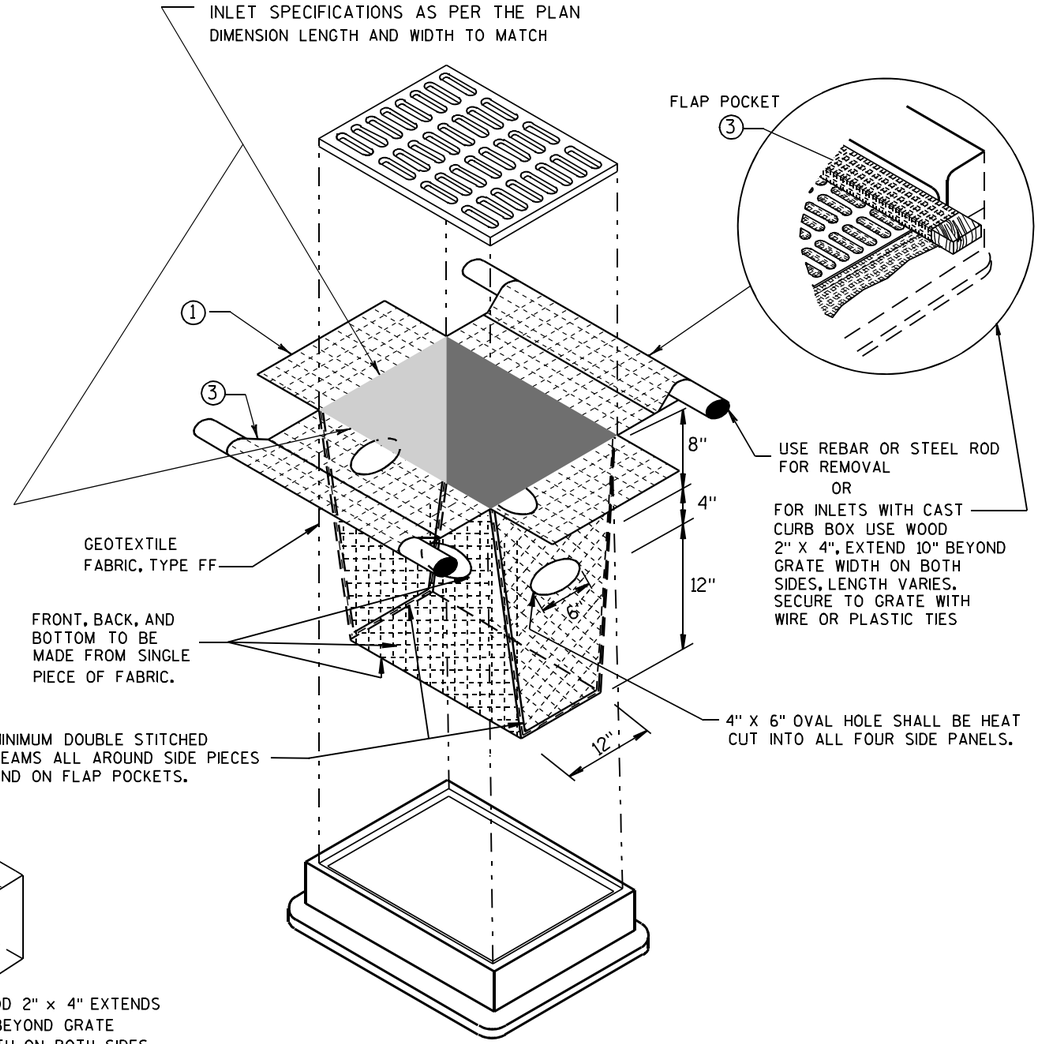


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

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S.D.D. 8 E 10-2

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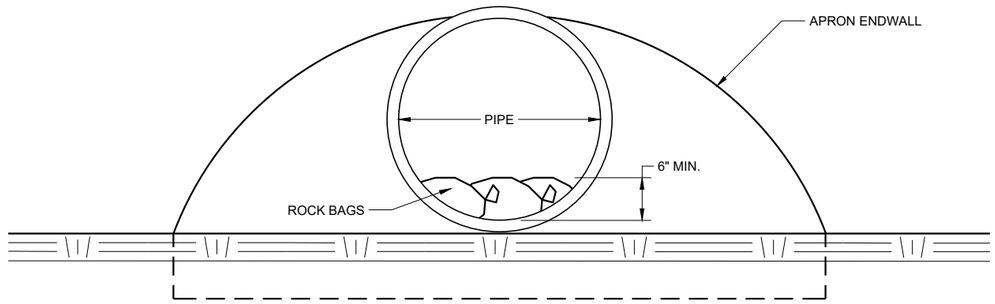
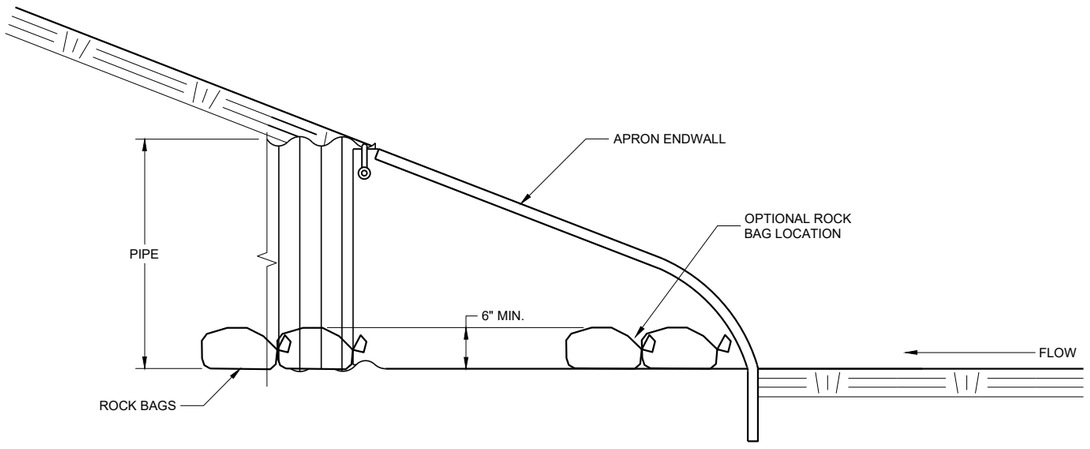
S.D.D. 8 E 10-2



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

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SDD 08E15 - 01

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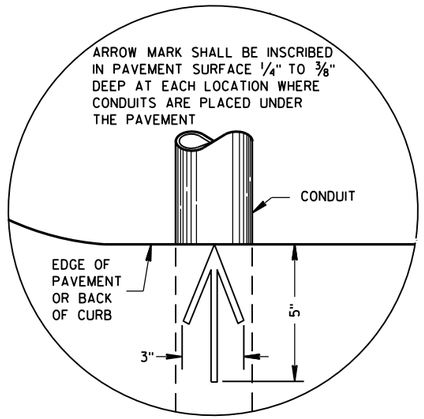
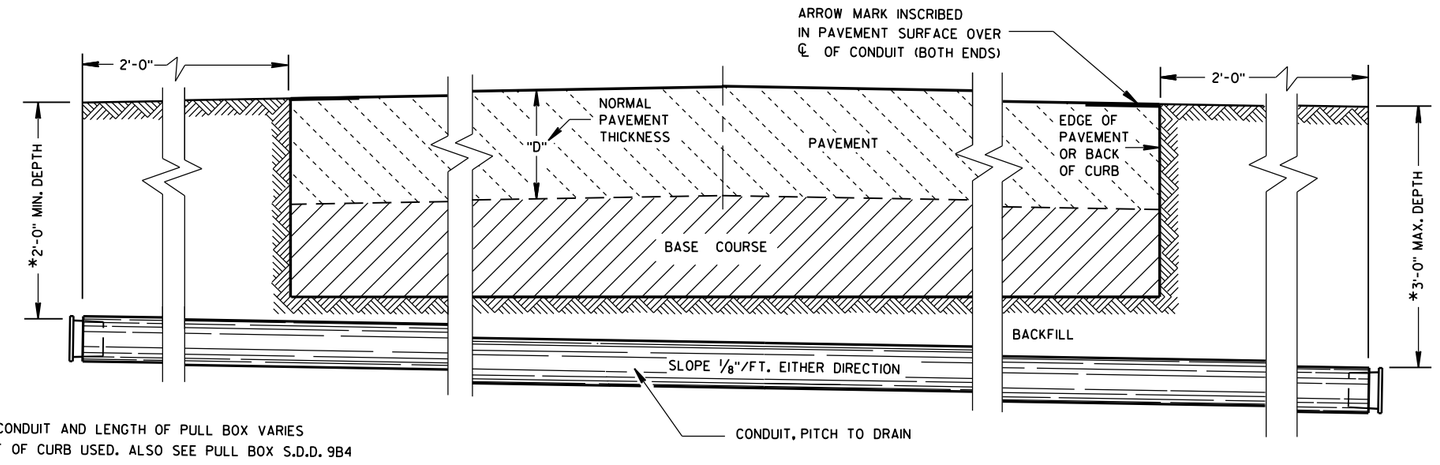
SDD 08E15 - 01



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

6

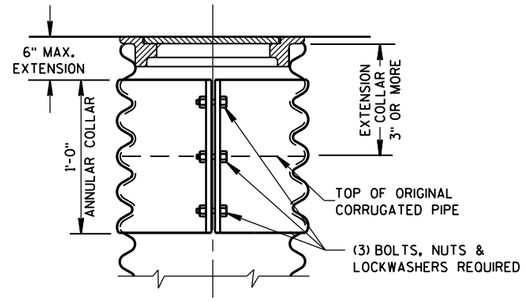
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

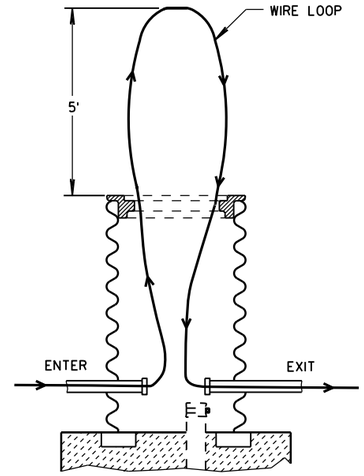
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

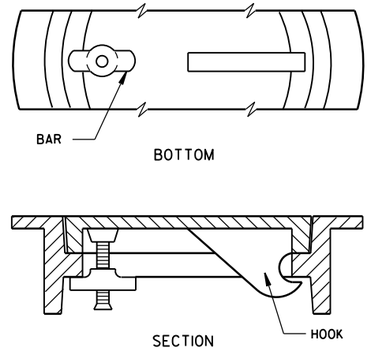
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

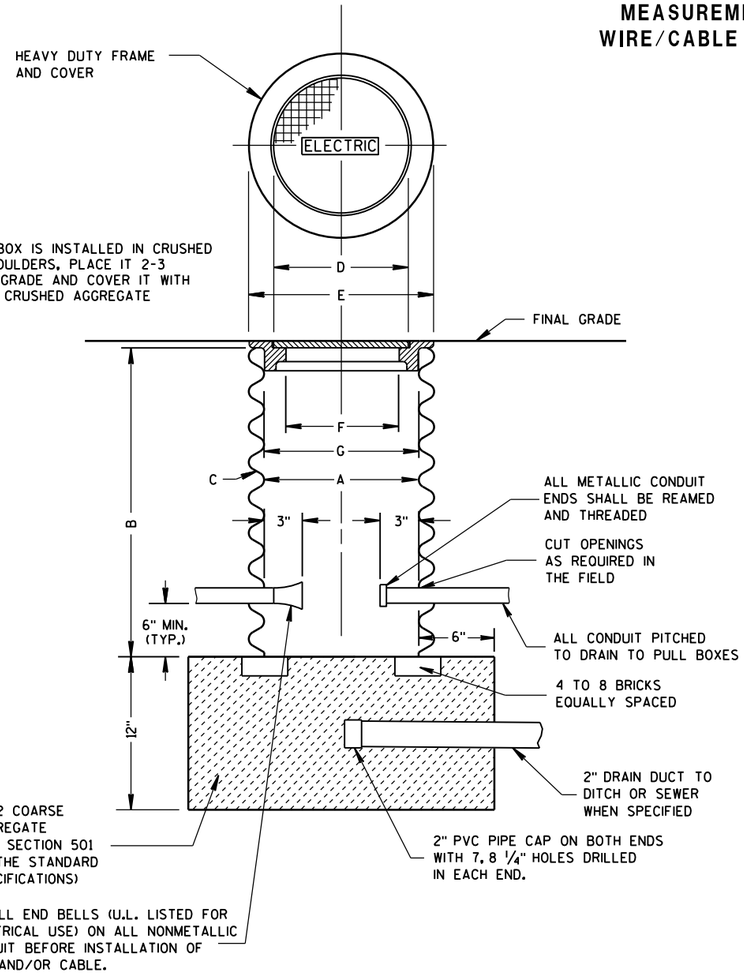


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



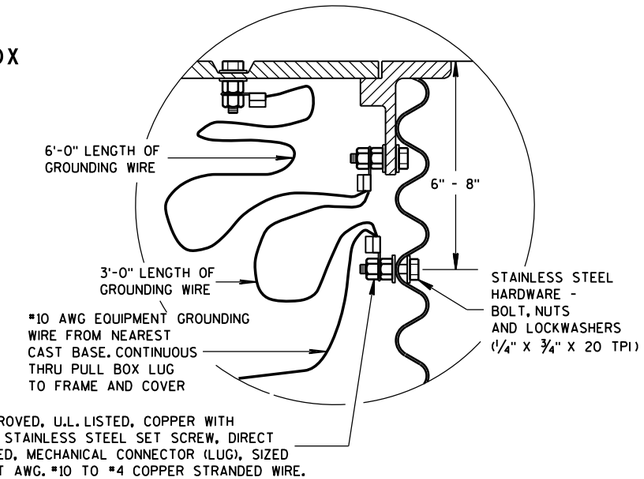
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

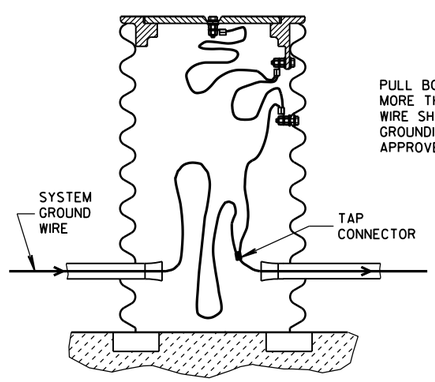


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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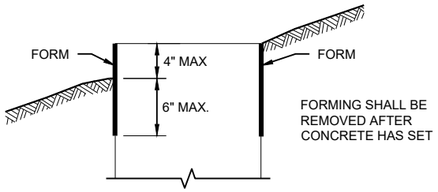
S.D.D. 9 B 4-11

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

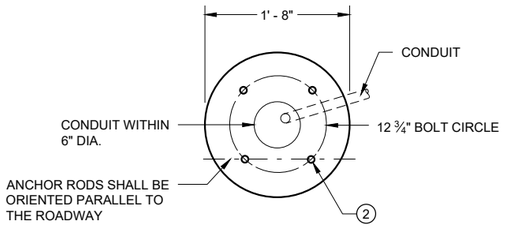
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

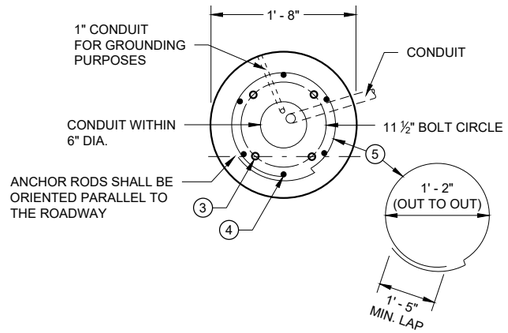
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

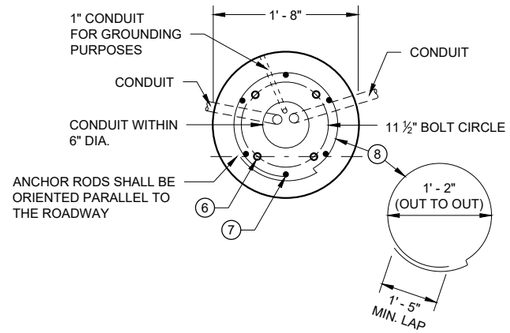
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







1 THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

2 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

3 (4) 1" DIA. X 5' - 0" ANCHOR RODS.

4 (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

5 (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

6 (4) 1" DIA. X 3' - 6" ANCHOR RODS.

7 (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

8 (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

9 EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

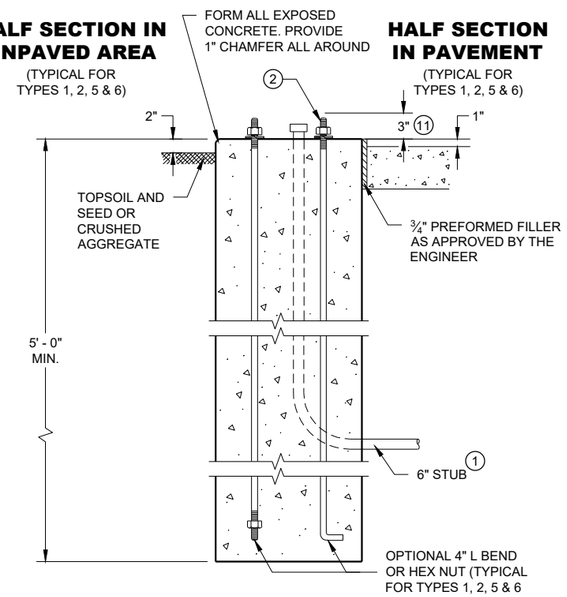
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

11 ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

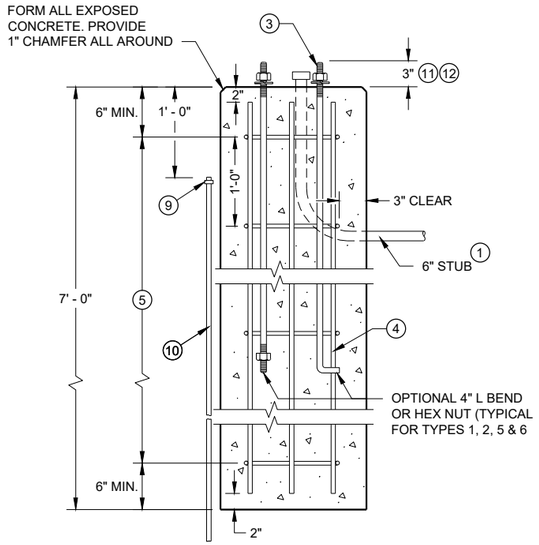
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



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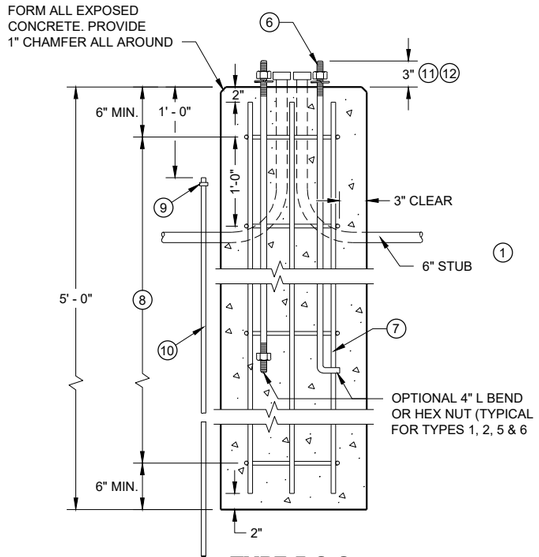


TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 284

FHWA

GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

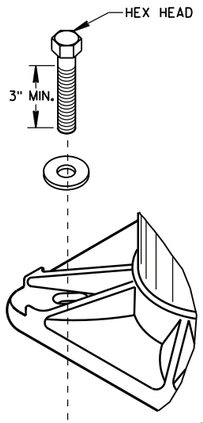
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

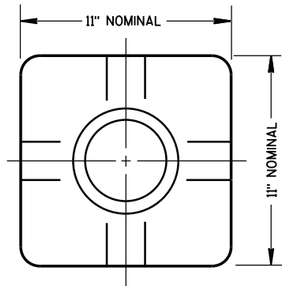
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

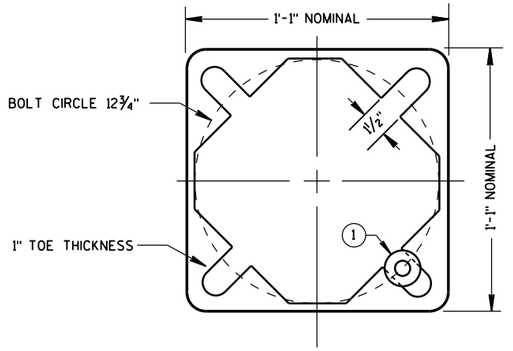
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

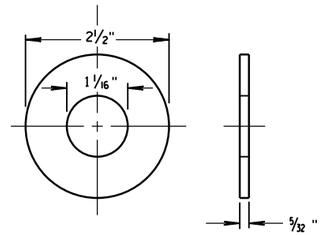




TOP VIEW
(PEDESTAL BASE)

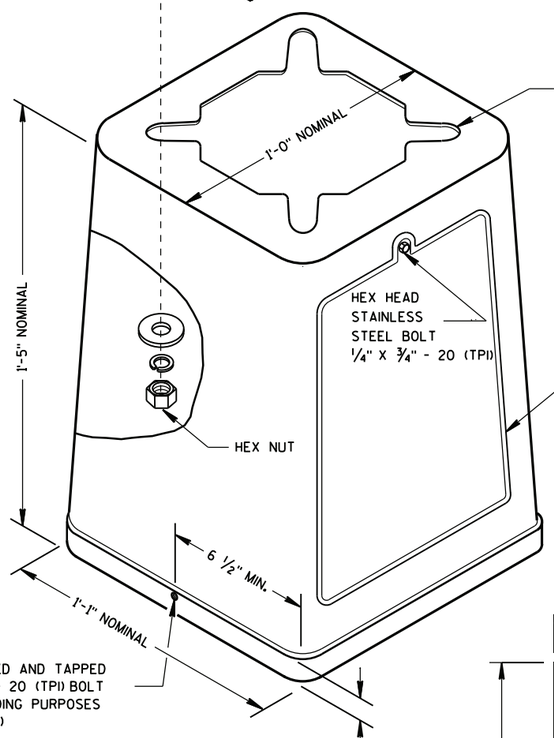


BOTTOM VIEW
(PEDESTAL BASE)

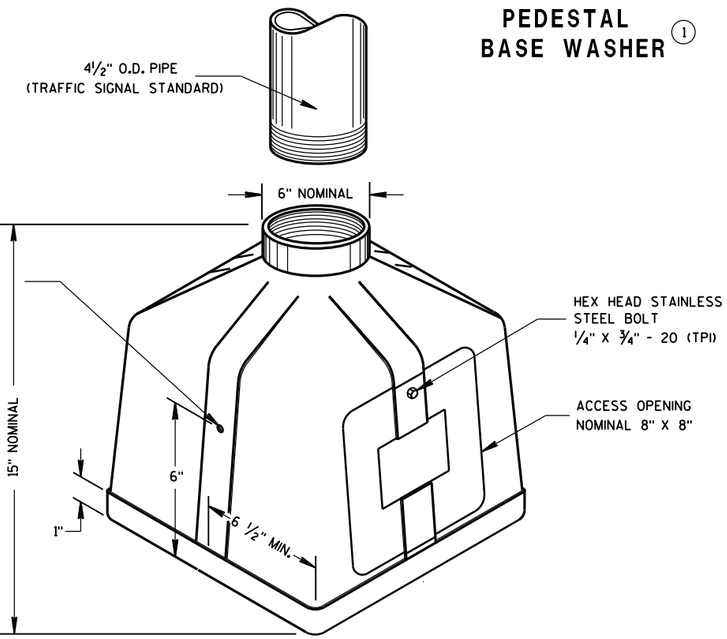


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

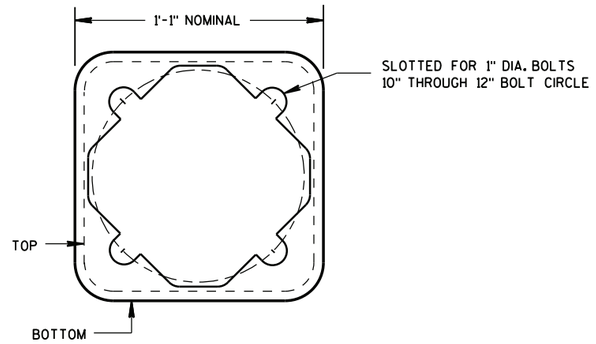
PEDESTAL BASE WASHER (1)



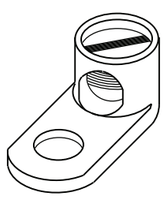
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE

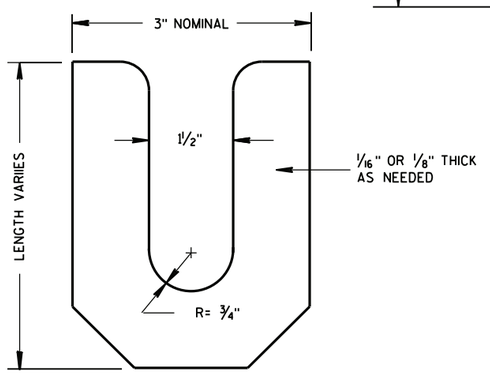


BOTTOM VIEW
(TRANSFORMER BASE)



TYPICAL MECHANICAL CONNECTOR LUG
TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE
INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

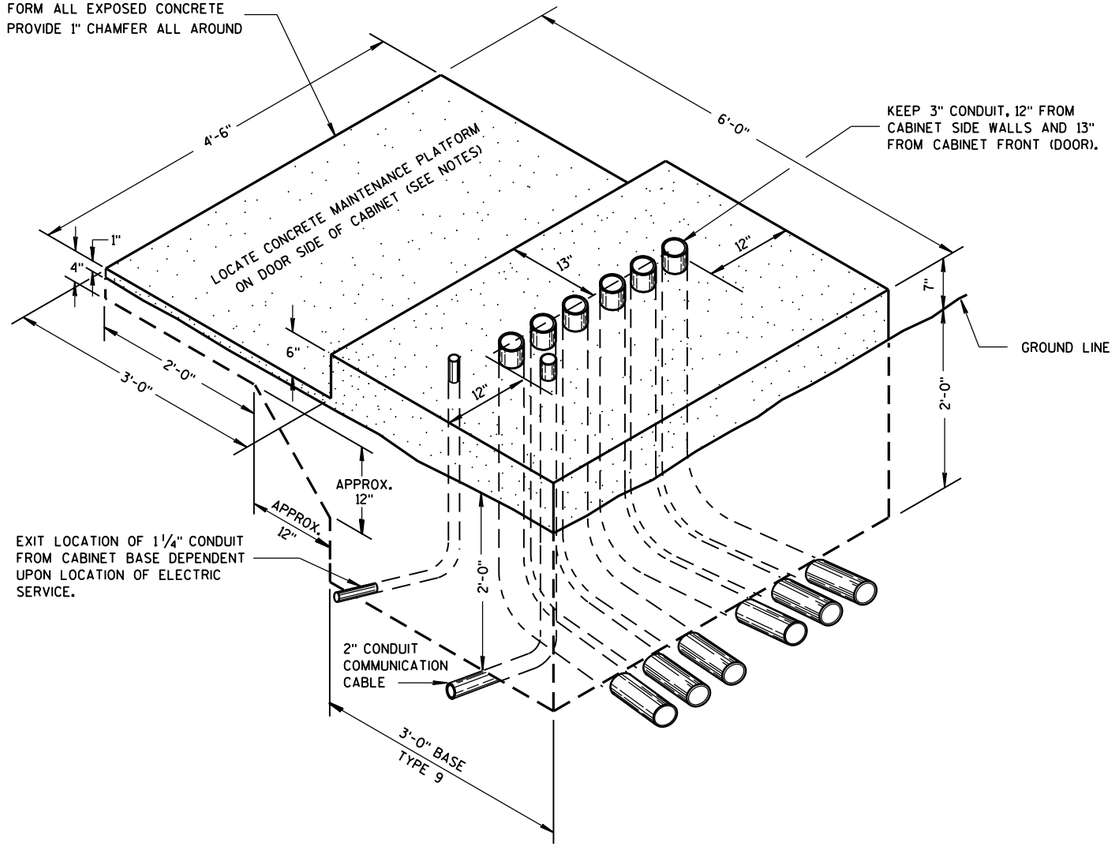
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
285
FHWA

6

S.D.D. 9 C 3-4

6

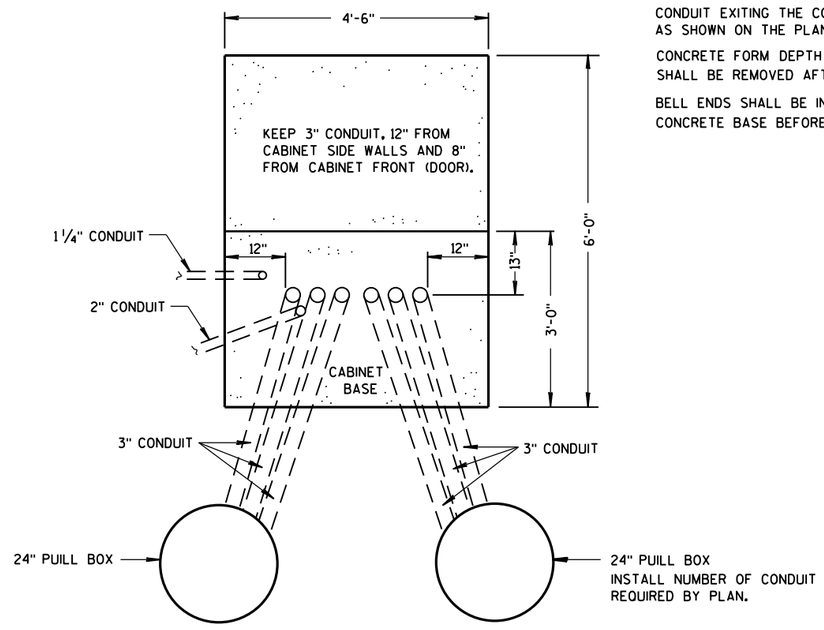
S.D.D. 9 C 3-4



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

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

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 C 6-7

GENERAL NOTES

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

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL END INSTALLED. ALL CONDUIT SHALL BE SLOPED TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUIT IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

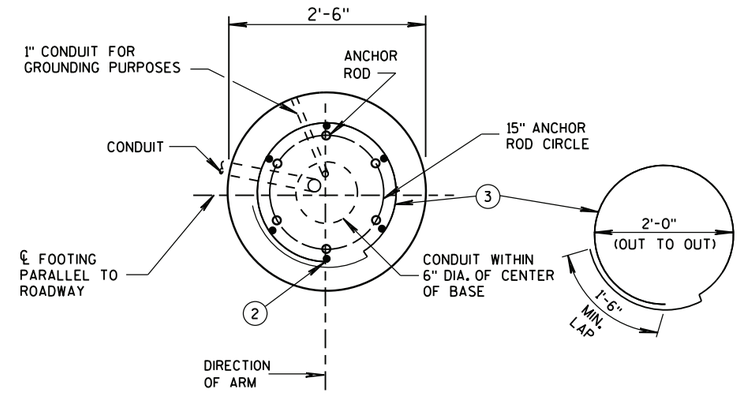
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

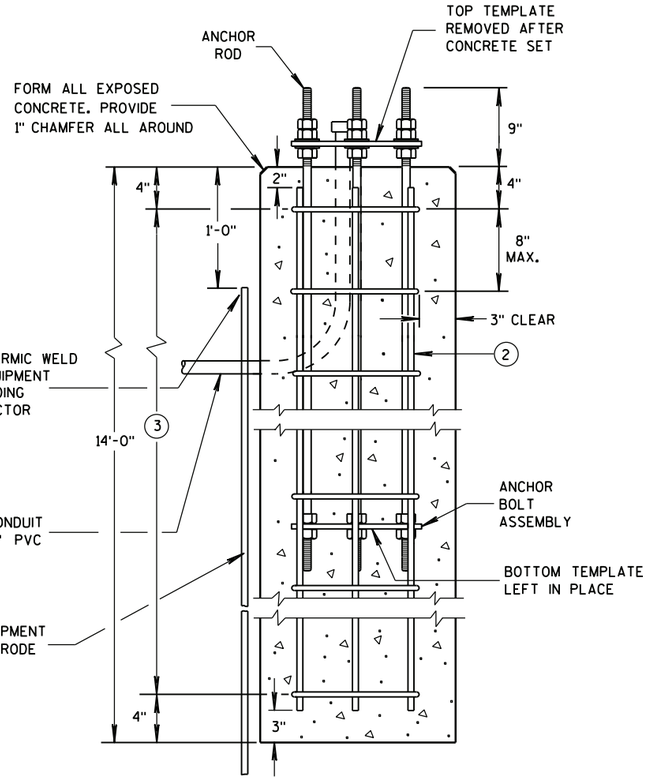
(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES. (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH WRITTEN APPROVAL BY THE ENGINEER.

(2) (6) NO. 6 X 13'-7" BAR STEEL REINFORCEMENT.

(3) (21) NO. 5 X 7'-10" BAR STEEL REINFORCEMENT @ 8" MAX. C-C.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION)	fy=55,000 p.s.i.
TEMPLATES, ASTM, A709 GRADE 36	fy=36,000 p.s.i.

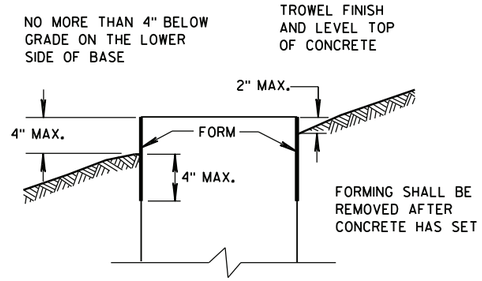




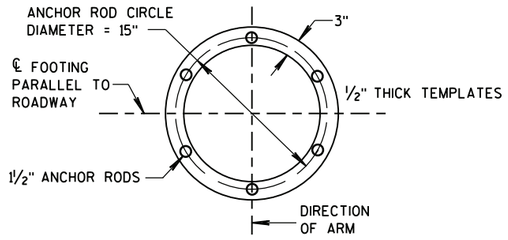
CONCRETE BASE TYPE 10

(FOR TYPE 9 & 10 & OVER HEIGHT (OH) POLES)

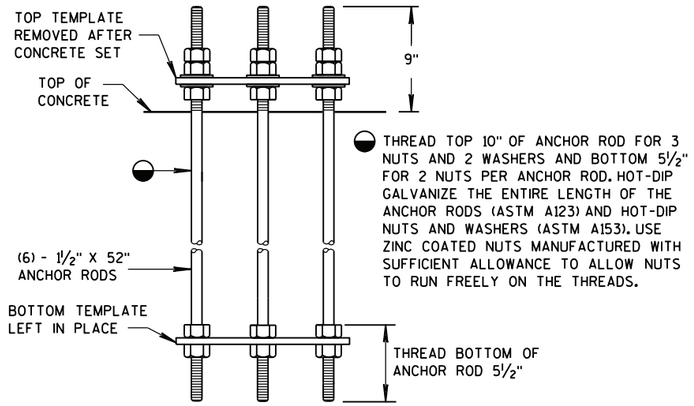
TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION. SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.



FORMING DETAIL



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 10 ANCHOR ASSEMBLY

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	2.5
LBS. OF HOOP BAR STEEL	172
LBS. OF VERTICAL BAR STEEL	122

CONCRETE BASE TYPE 10

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2017 — DATE

/S/ Ahmet Demirbilek — STATE ELECTRICAL

FHWA

6

S.D.D. 9 C 11-10

6

S.D.D. 9 C 11-10

GENERAL NOTES

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

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING. A STEEL CASING OR CORRUGATED METAL PIPE IS ALLOWED TO REMAIN. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BASE IN LAYERS OF ONE FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR RODS STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

FORM ALL EXPOSED CONCRETE CORNERS WITH 1" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 TIMES THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 4 ½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NON-METALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

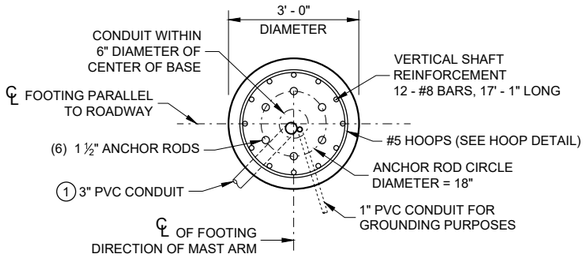
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

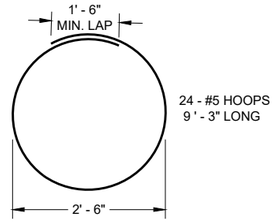
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES (GREATER THAN 36 INCHES IF INSTALLED IN BREAKER RUN) EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

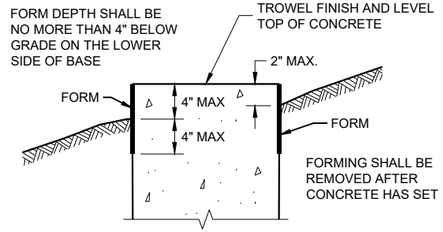
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



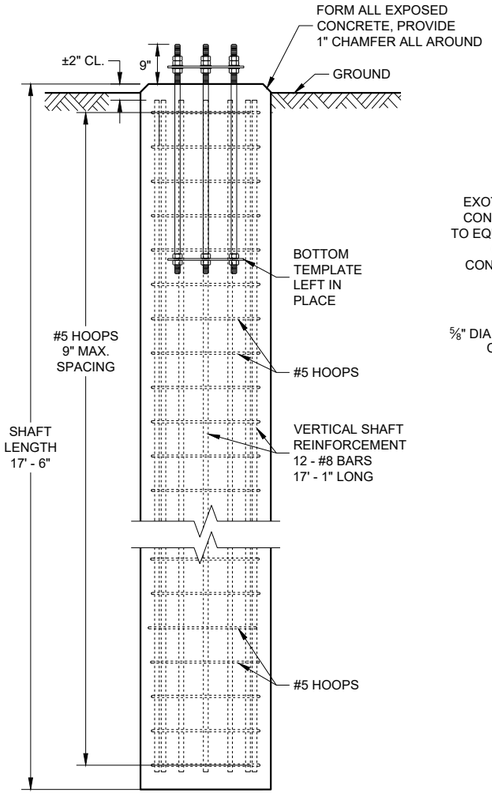
PLAN VIEW



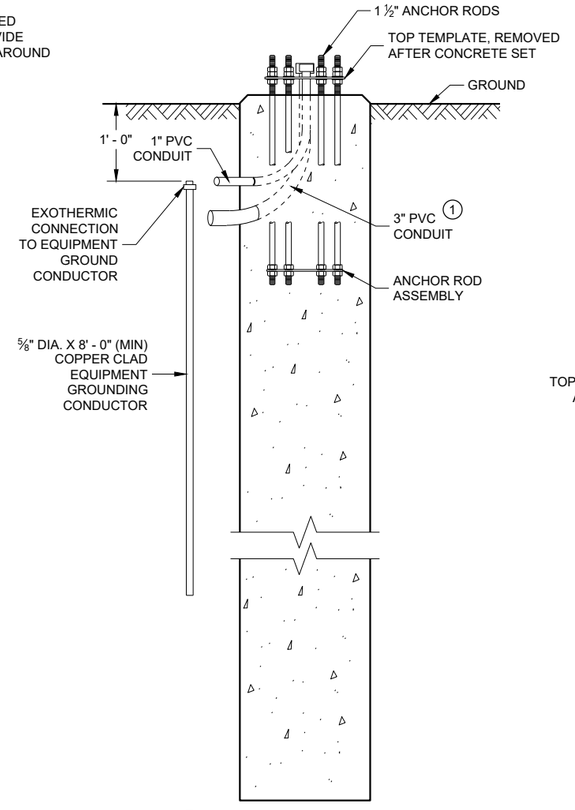
HOOP DETAIL



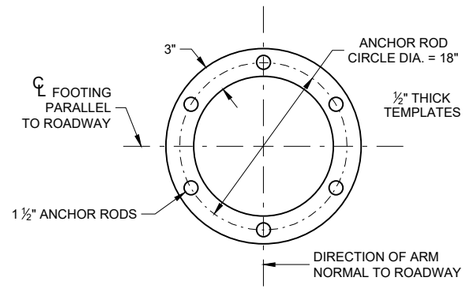
FORMING DETAIL



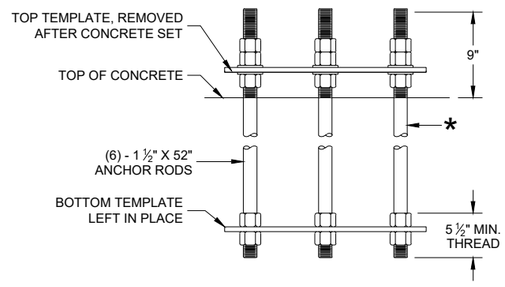
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



SIDE VIEW
(HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY)



TOP AND BOTTOM TEMPLATE



ANCHOR ROD ASSEMBLY DETAILS

* THREAD TOP 10" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5 ½" FOR 2 NUTS PER ANCHOR ROD. HOT DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR ROD (ASTM A123) AND HOT DIP NUTS AND WASHERS (ASTM A153. USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

CONCRETE BASE, TYPE 10 SPECIAL
(FOR TYPE 9 SPECIAL AND TYPE 10 SPECIAL POLES)

CONCRETE = 4.6 CUBIC YARD
H.S. REINFORCEMENT = 779 LBS.

FOR USE WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

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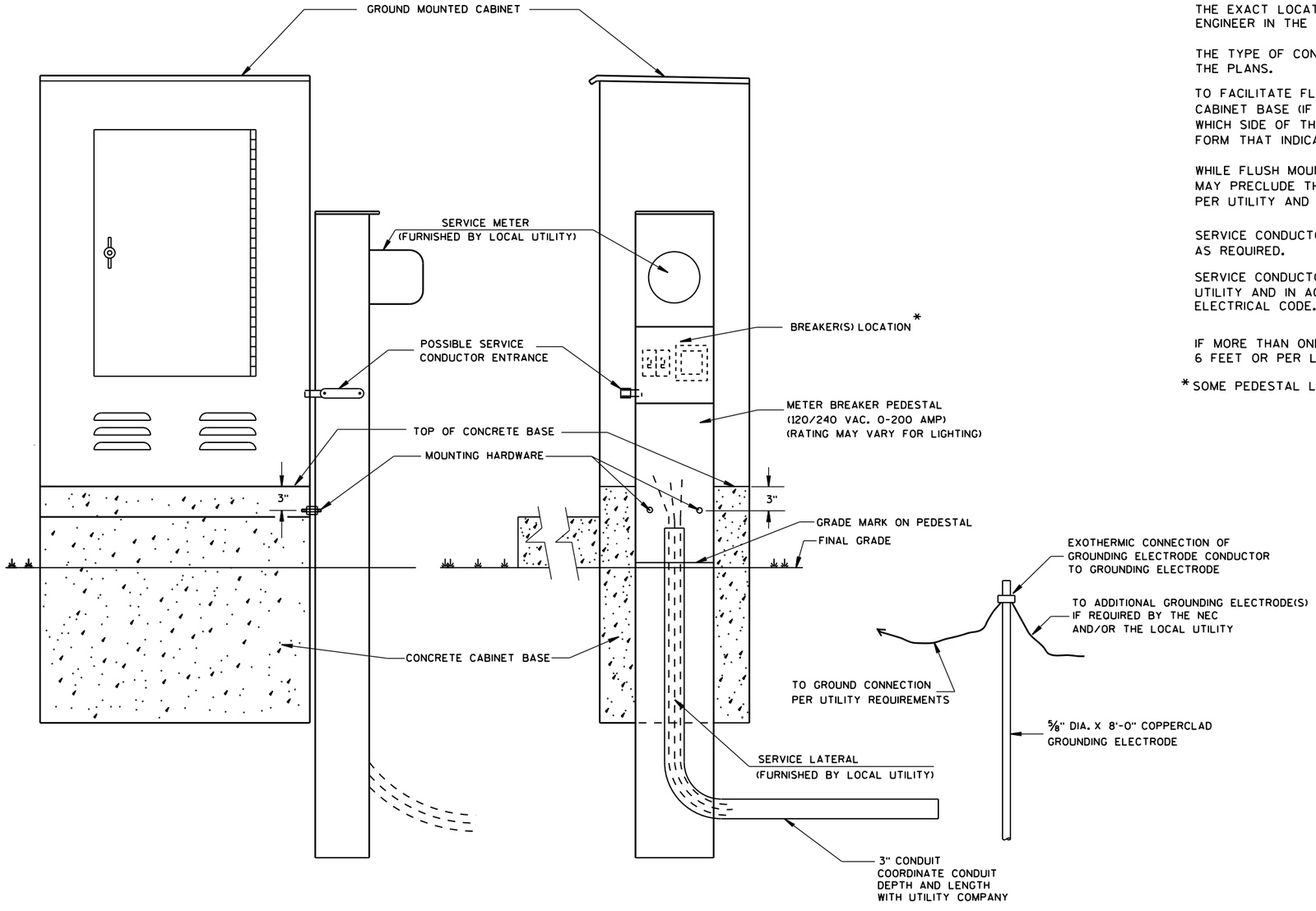
SDD 09C15 - 01



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

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

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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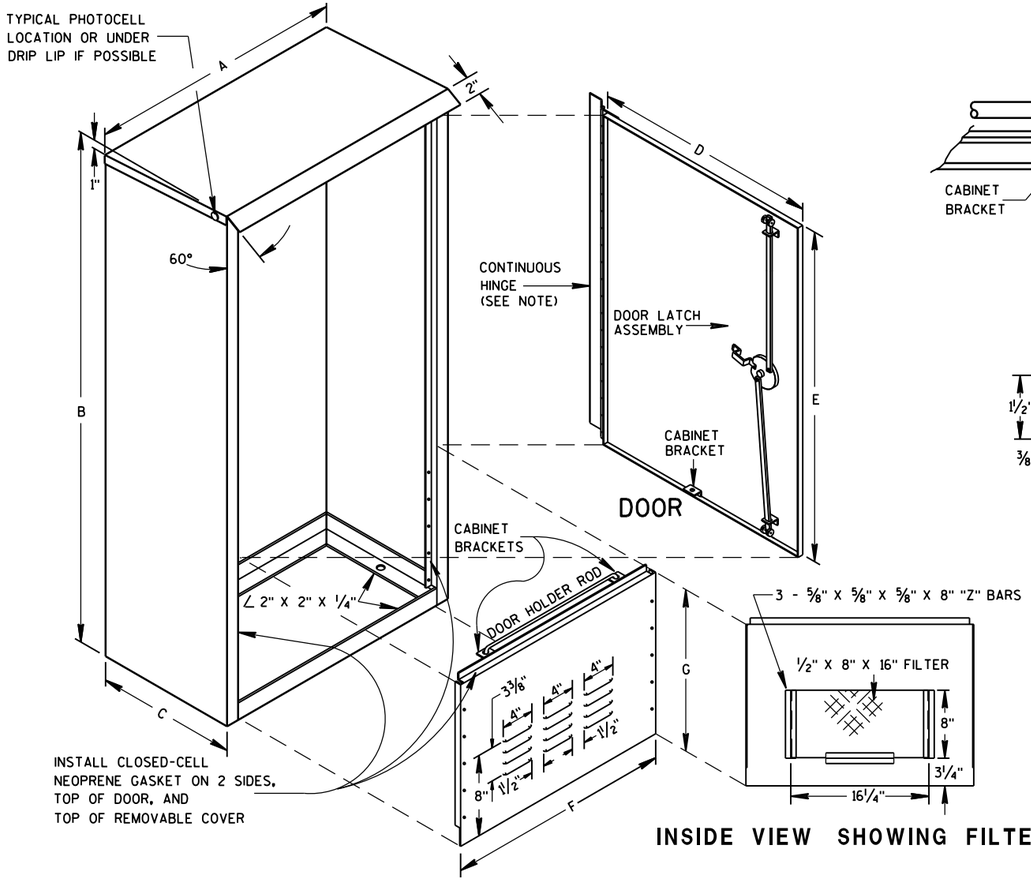
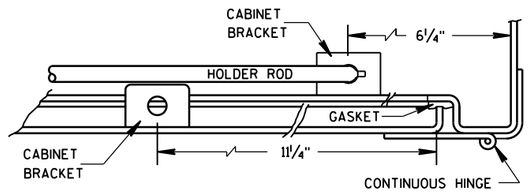
S.D.D. 9 D 1-5

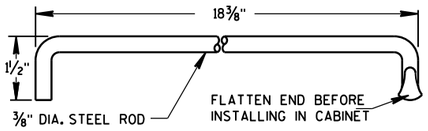


REMOVABLE COVER

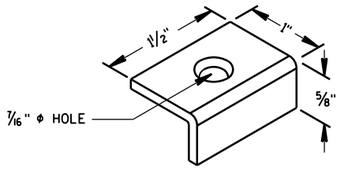
INSIDE VIEW SHOWING FILTER



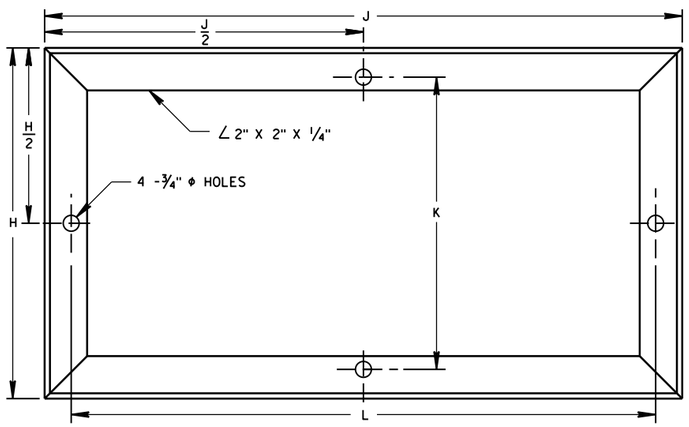
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

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

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

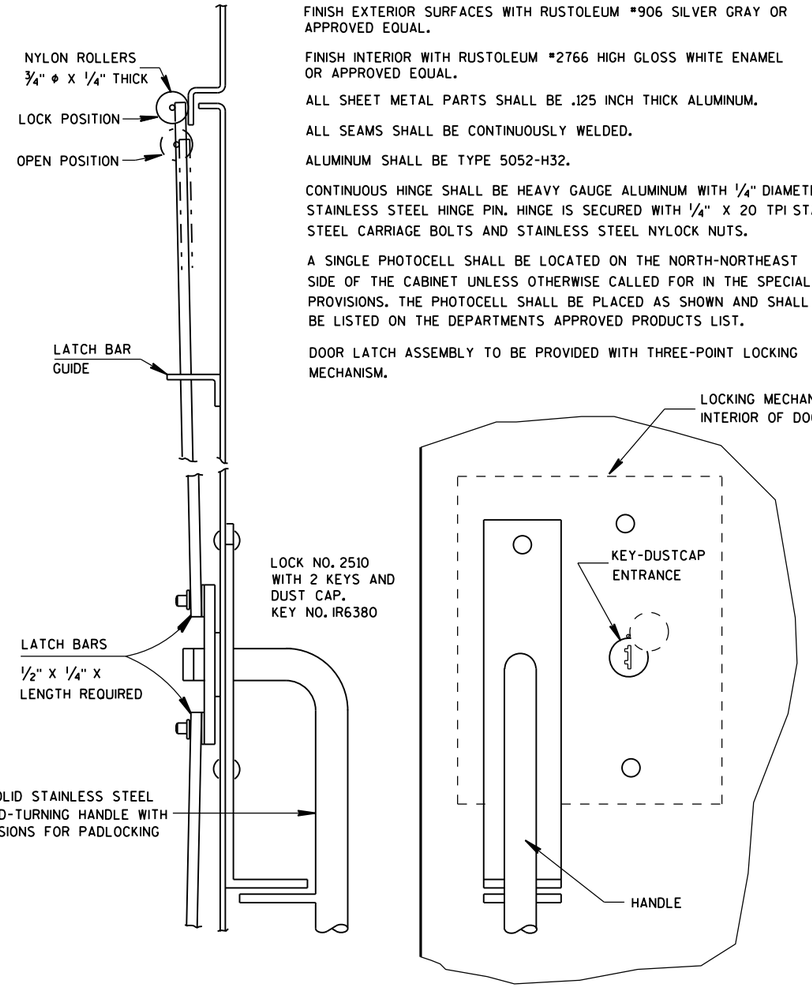
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

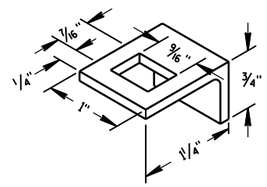
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

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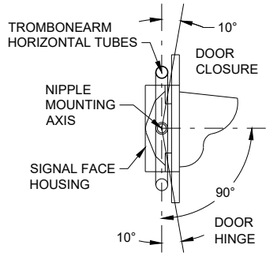
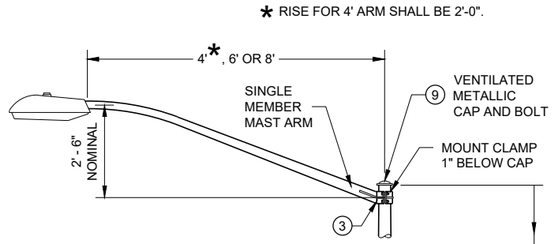
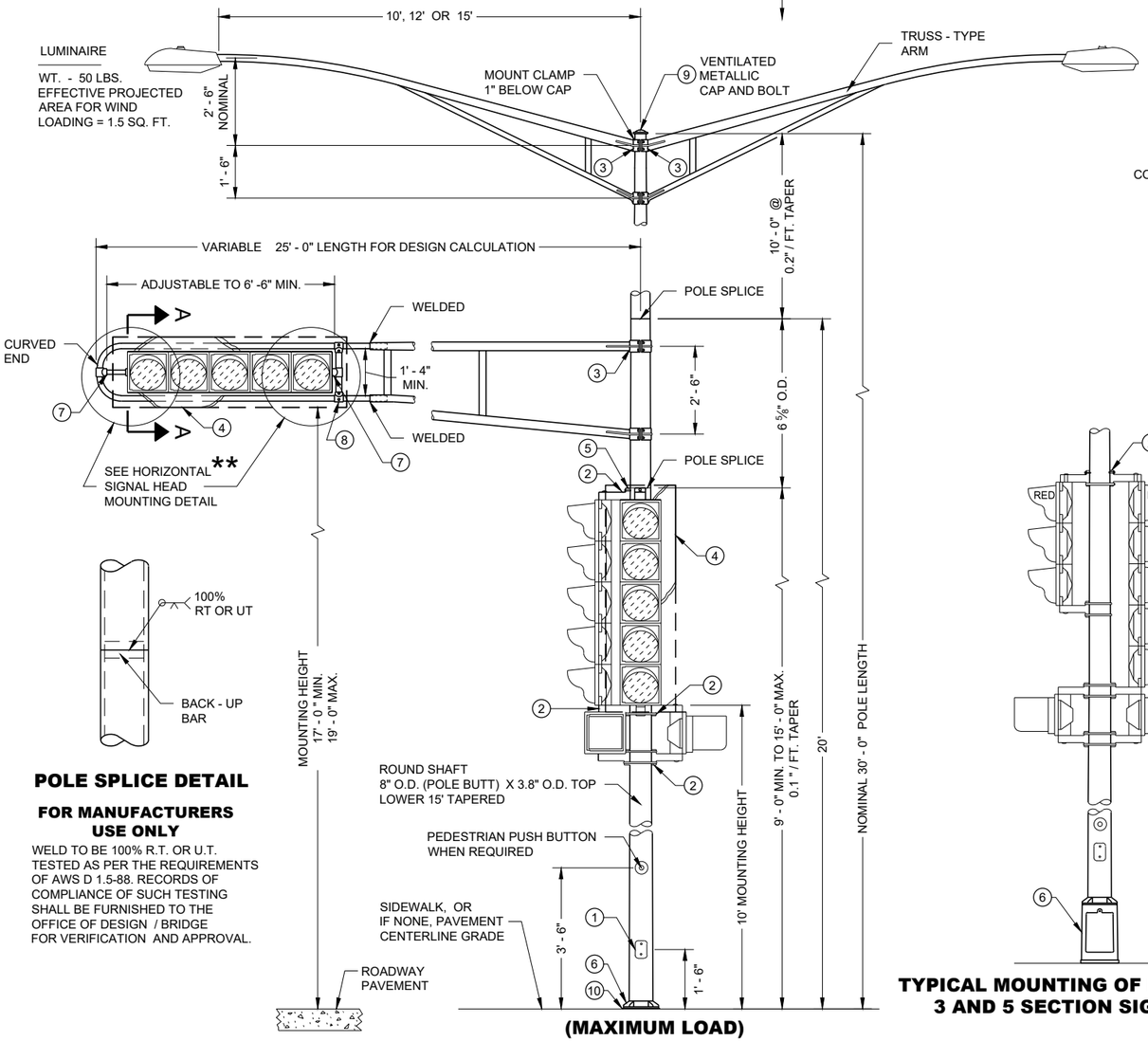
S.D.D. 9 D 2-3



SECTION A-A



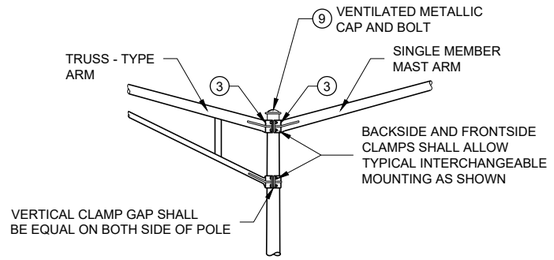


POLE SPLICE DETAIL

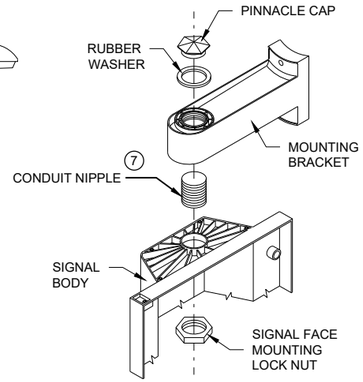
FOR MANUFACTURERS USE ONLY

WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

(MAXIMUM LOAD)

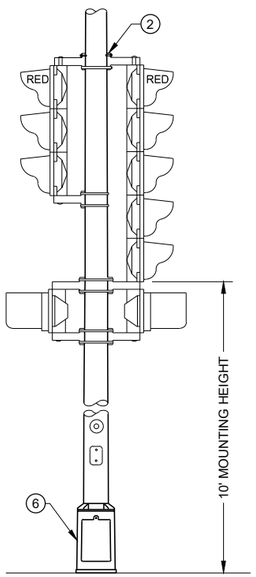


INTERCHANGEABLE MOUNTING DETAIL

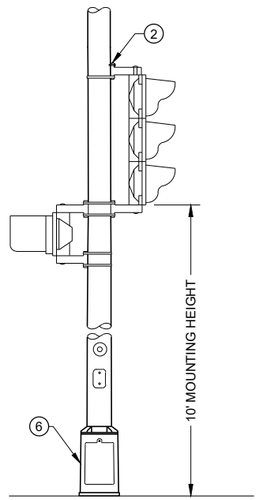


SIGNAL FACE MOUNTING DETAIL

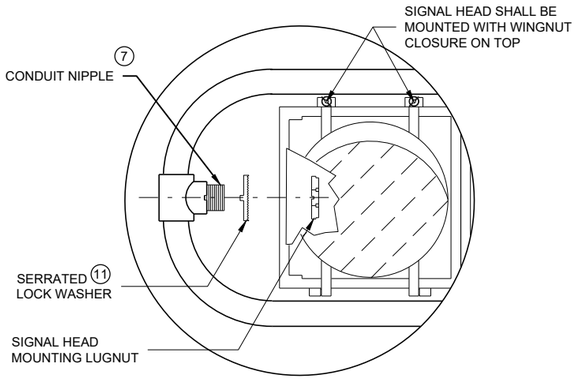
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

GENERAL NOTES

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

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 3/8 INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 3/8" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

TYPE 3 POLE MOUNTING CONFIGURATION

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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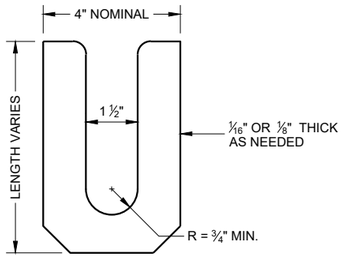
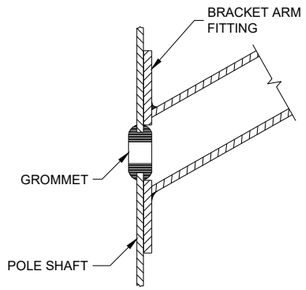
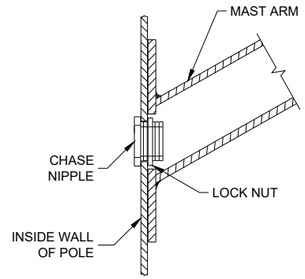
SDD 09E01 - 15b



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

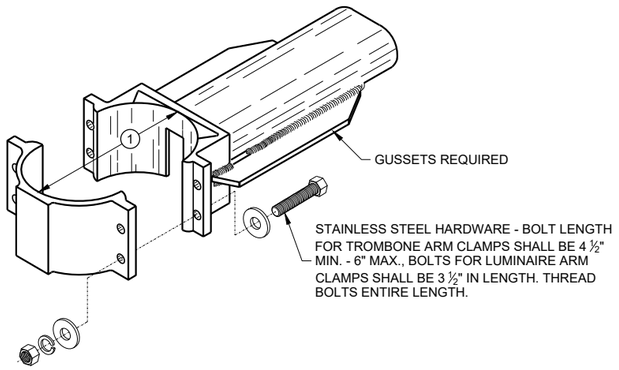
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

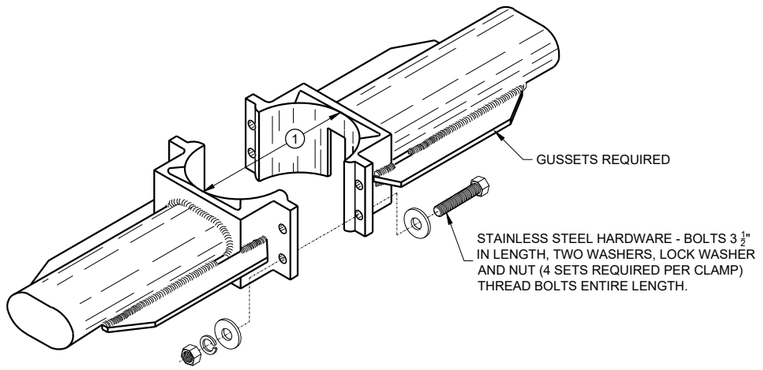
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

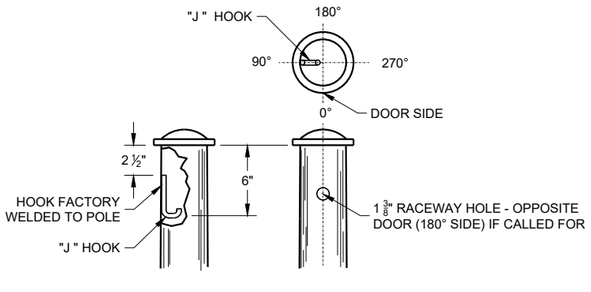
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



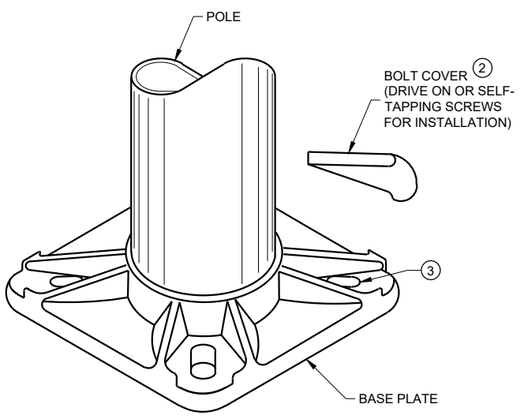
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



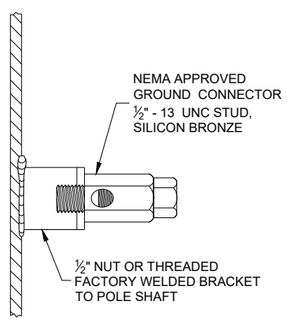
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

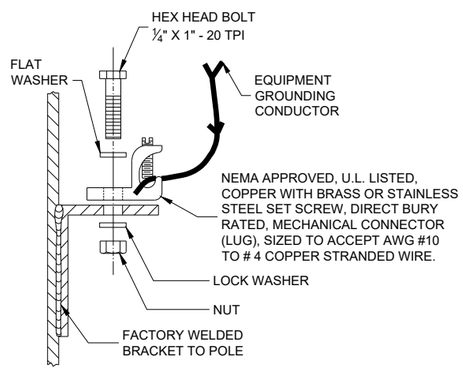


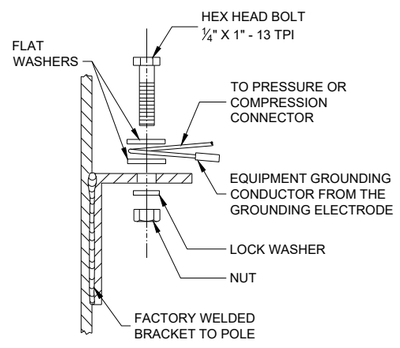
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 292

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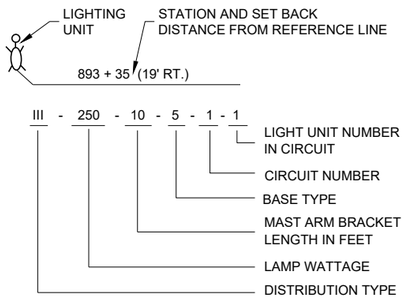
GENERAL NOTES

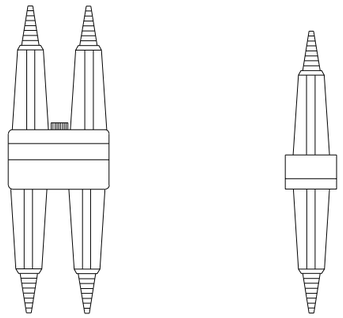
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

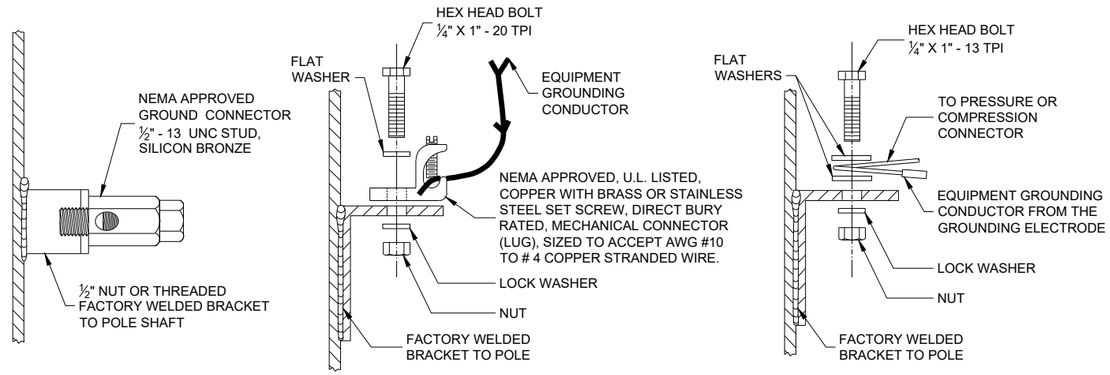


LIGHTING UNIT CODE
(TYPICAL)

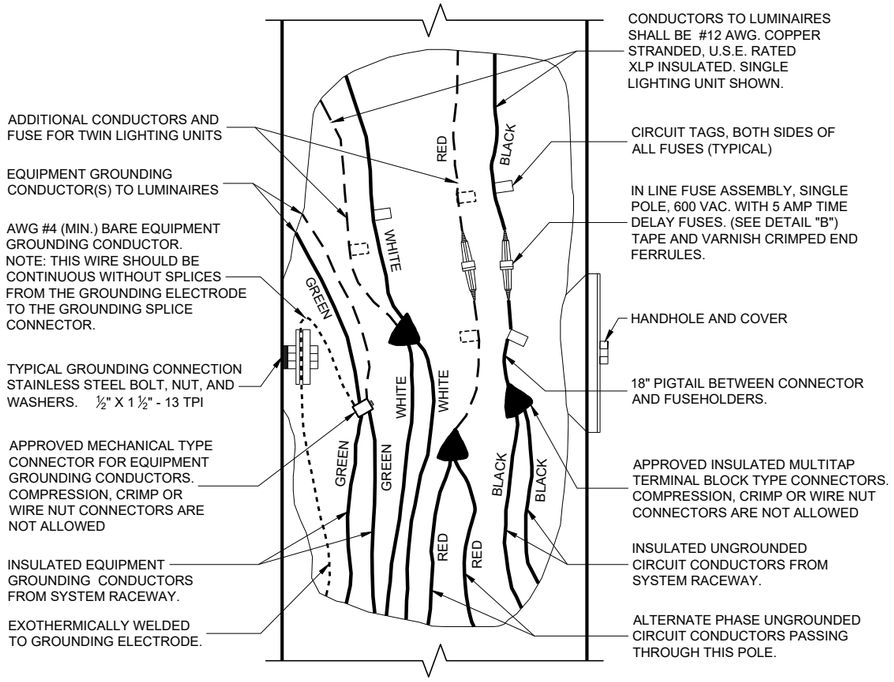


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

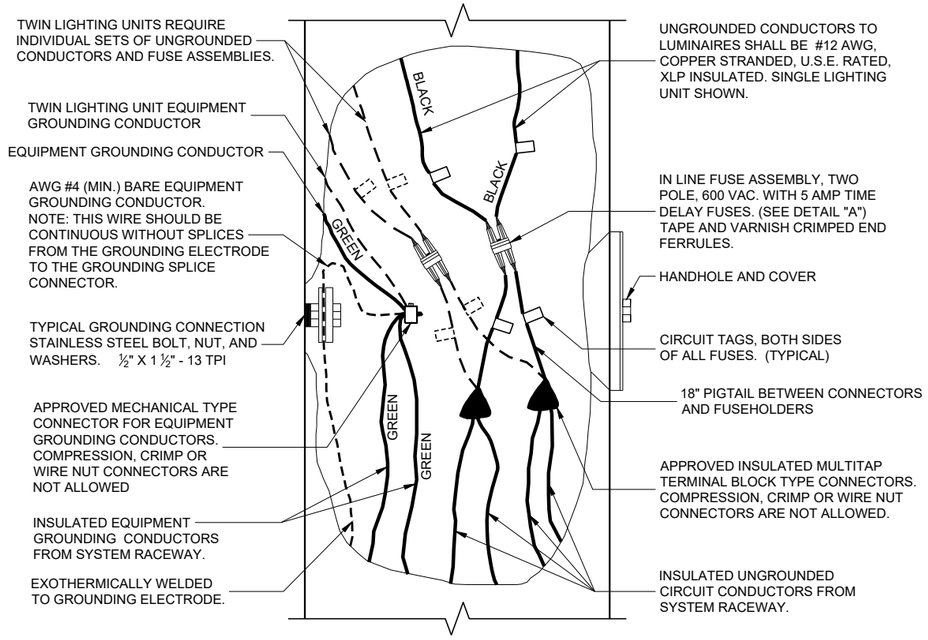
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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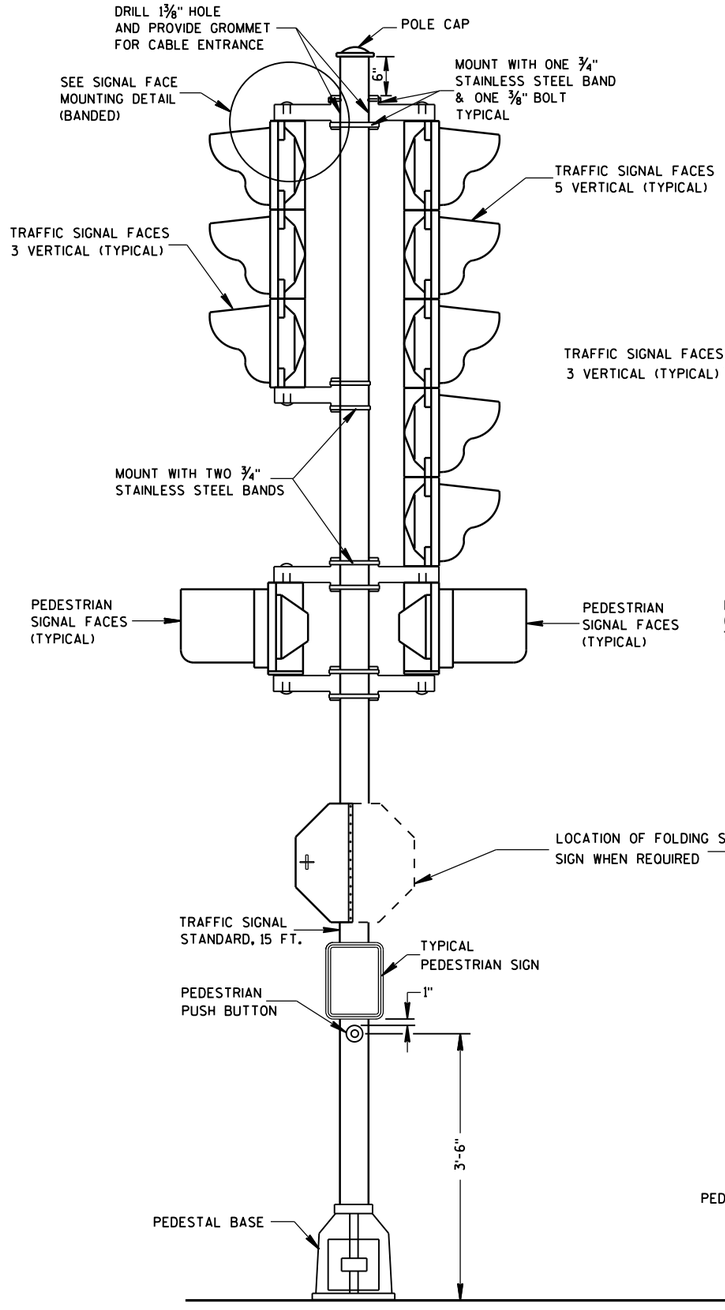
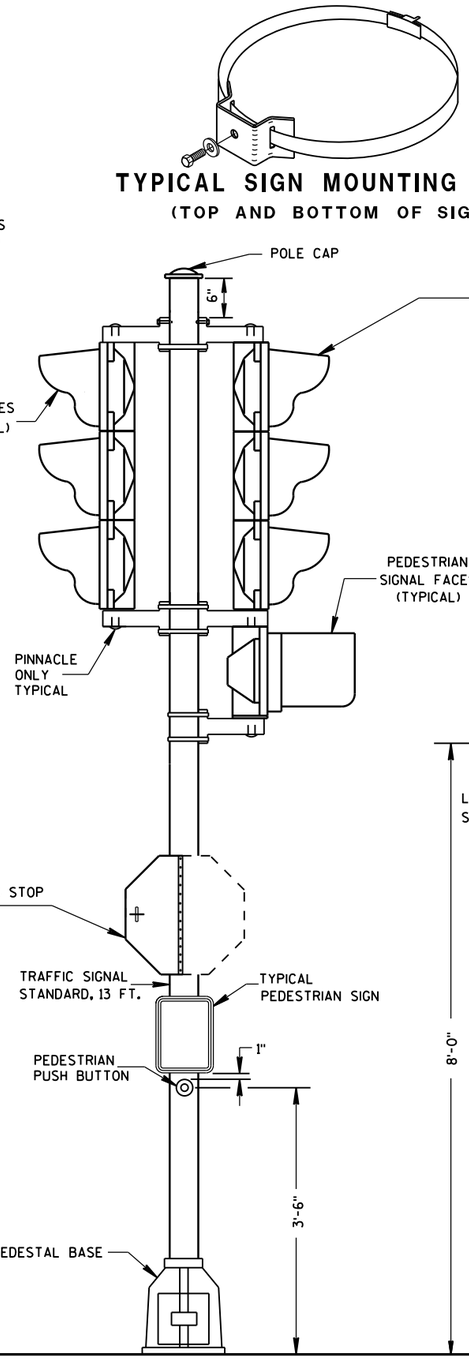
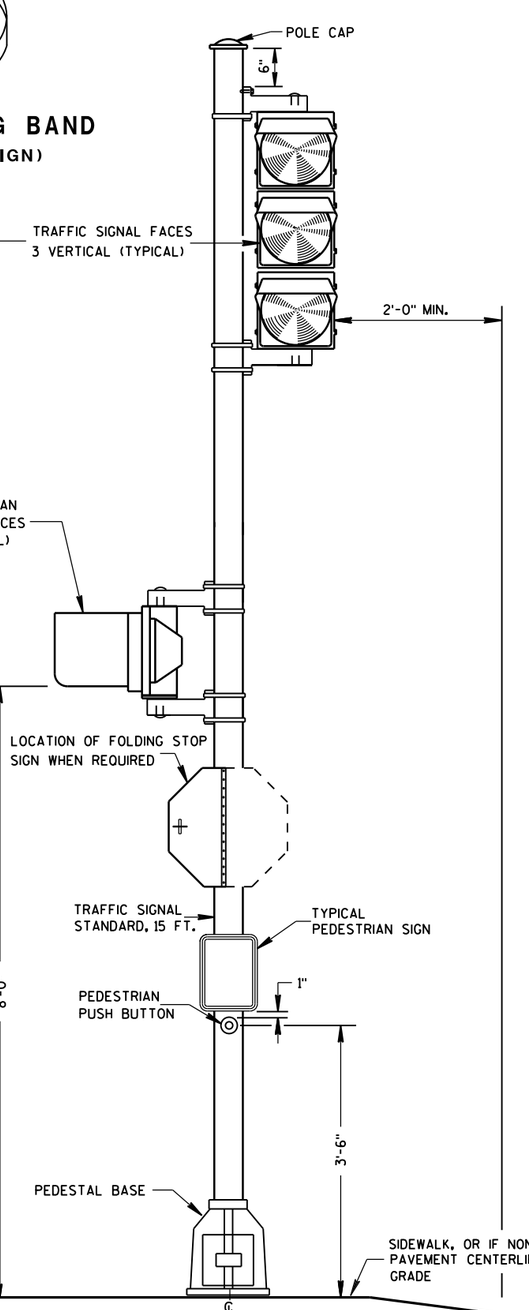


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

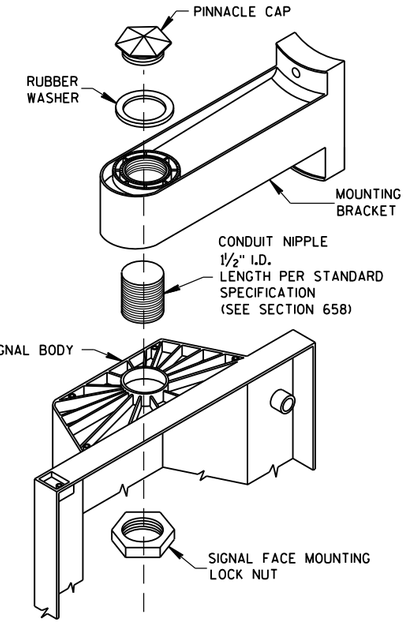
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

STATE OF WISCONSIN
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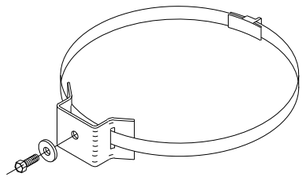
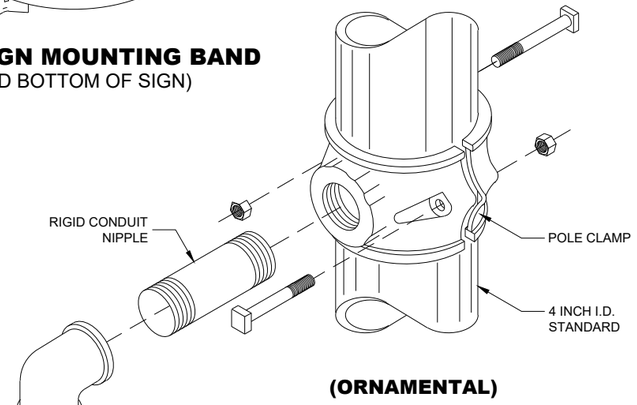
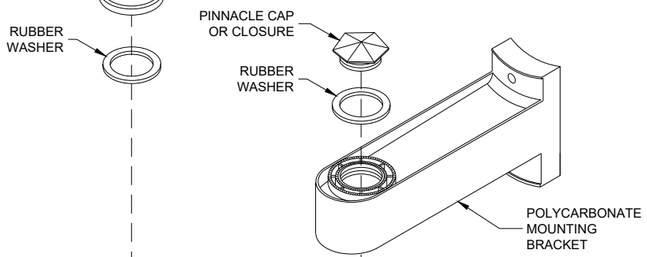


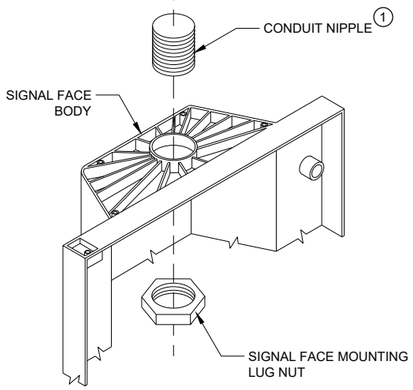
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



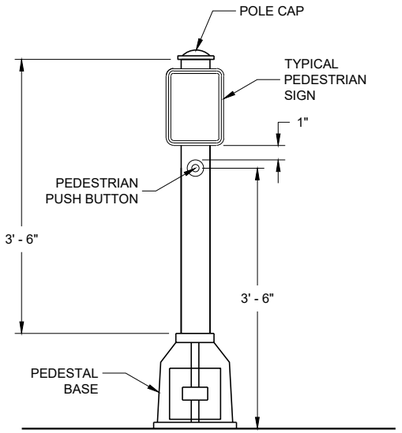
(ORNAMENTAL)



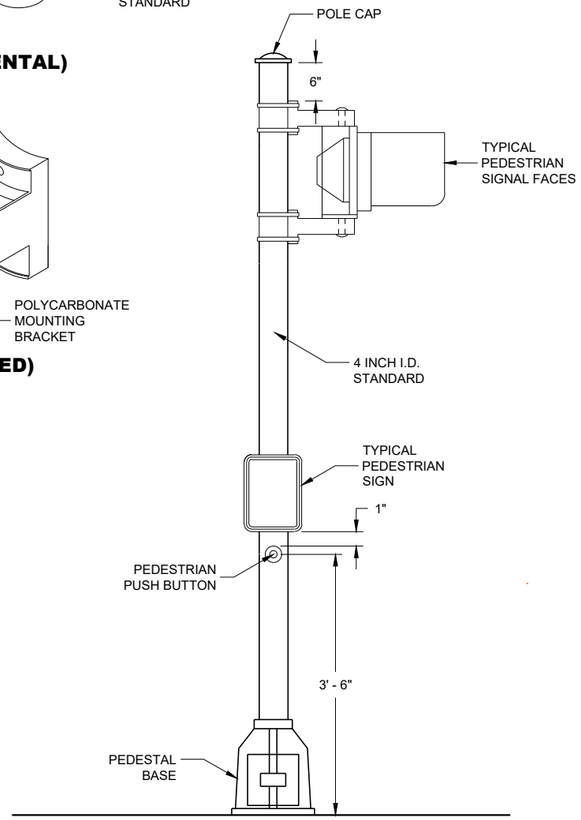
(BANDED)



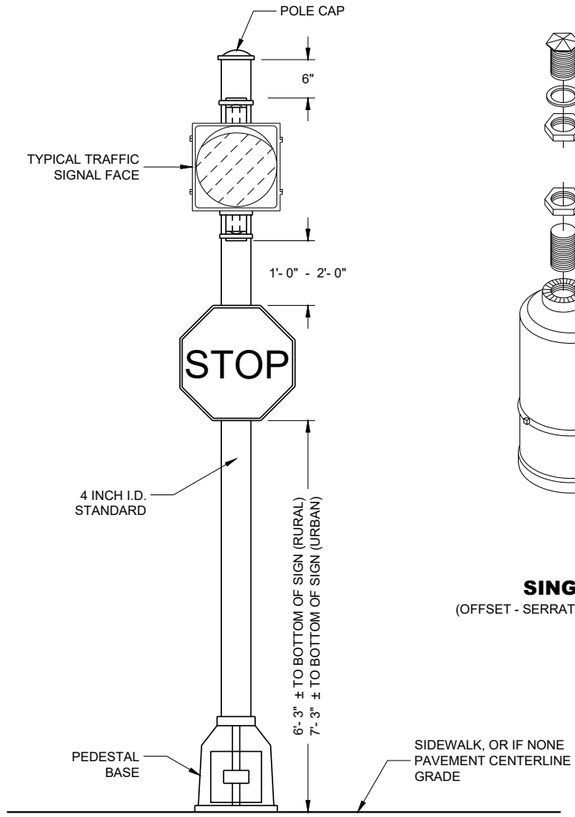
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

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

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

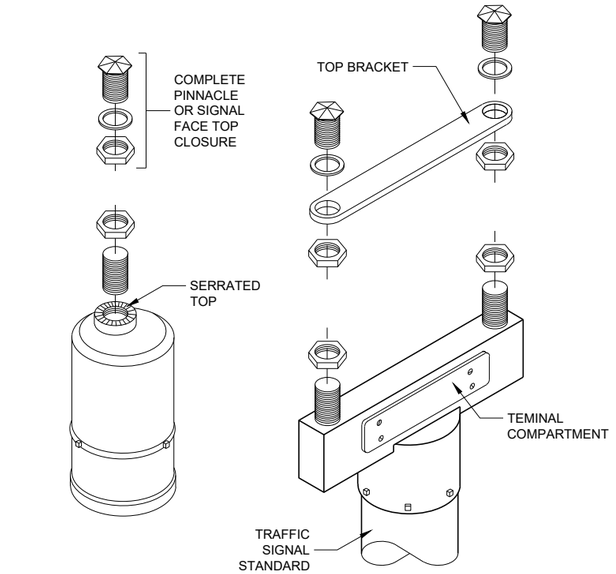
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
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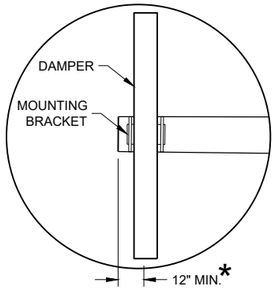
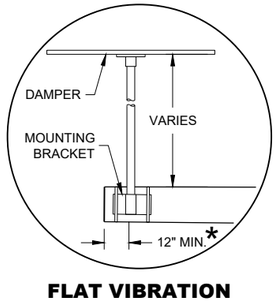
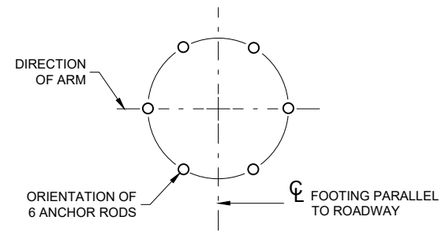


DUMBBELL VIBRATION DAMPER

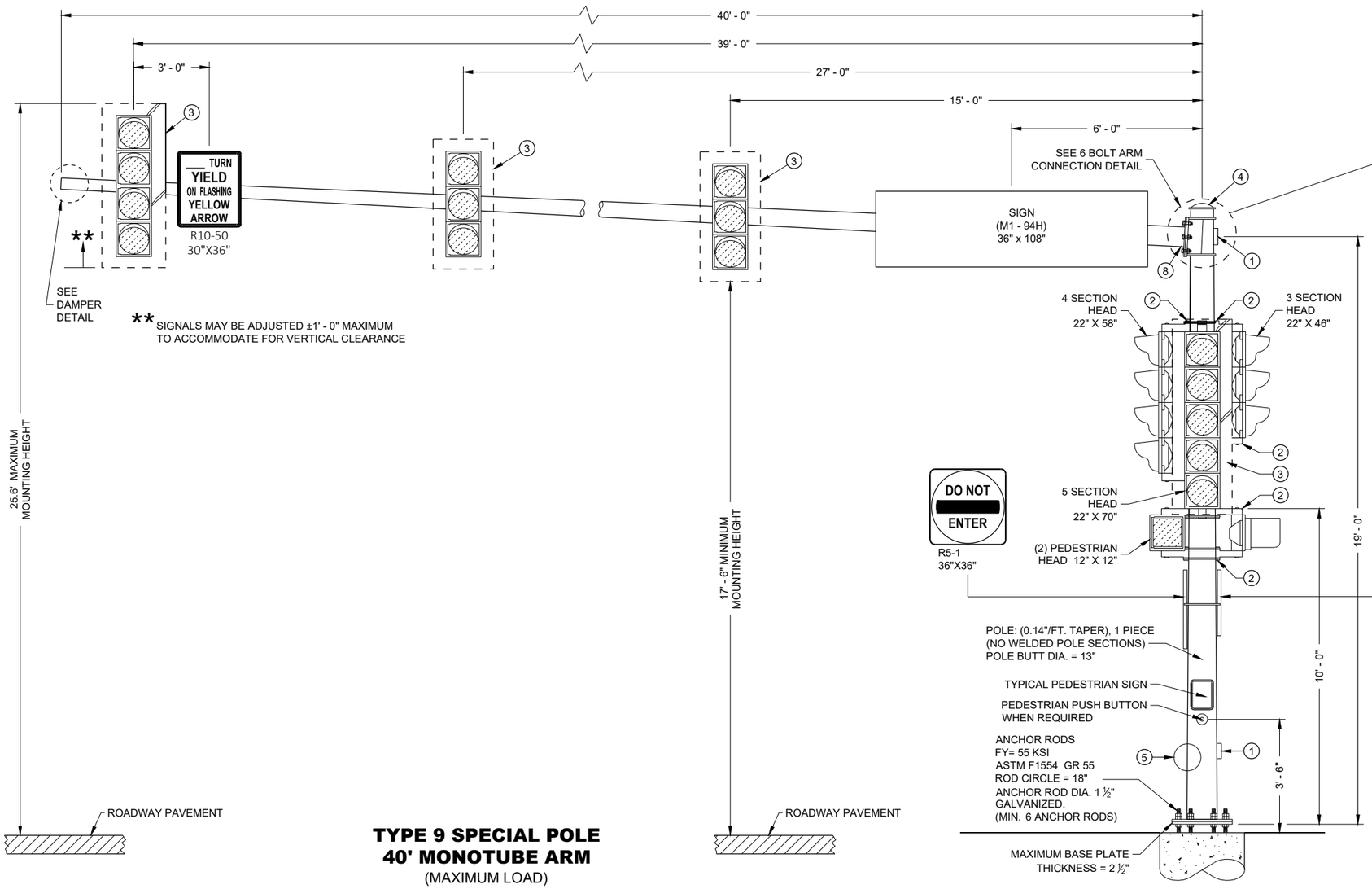


FLAT VIBRATION DAMPER

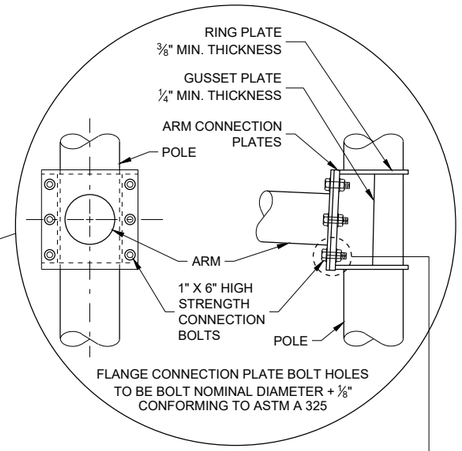
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



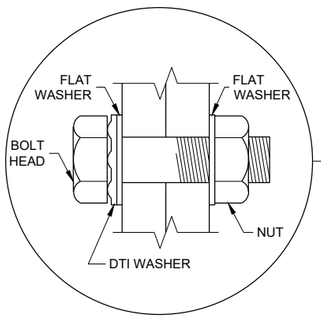
ANCHOR ROD LOCATION



TYPE 9 SPECIAL POLE 40' MONOTUBE ARM
(MAXIMUM LOAD)



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 9 SPECIAL POLE 40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

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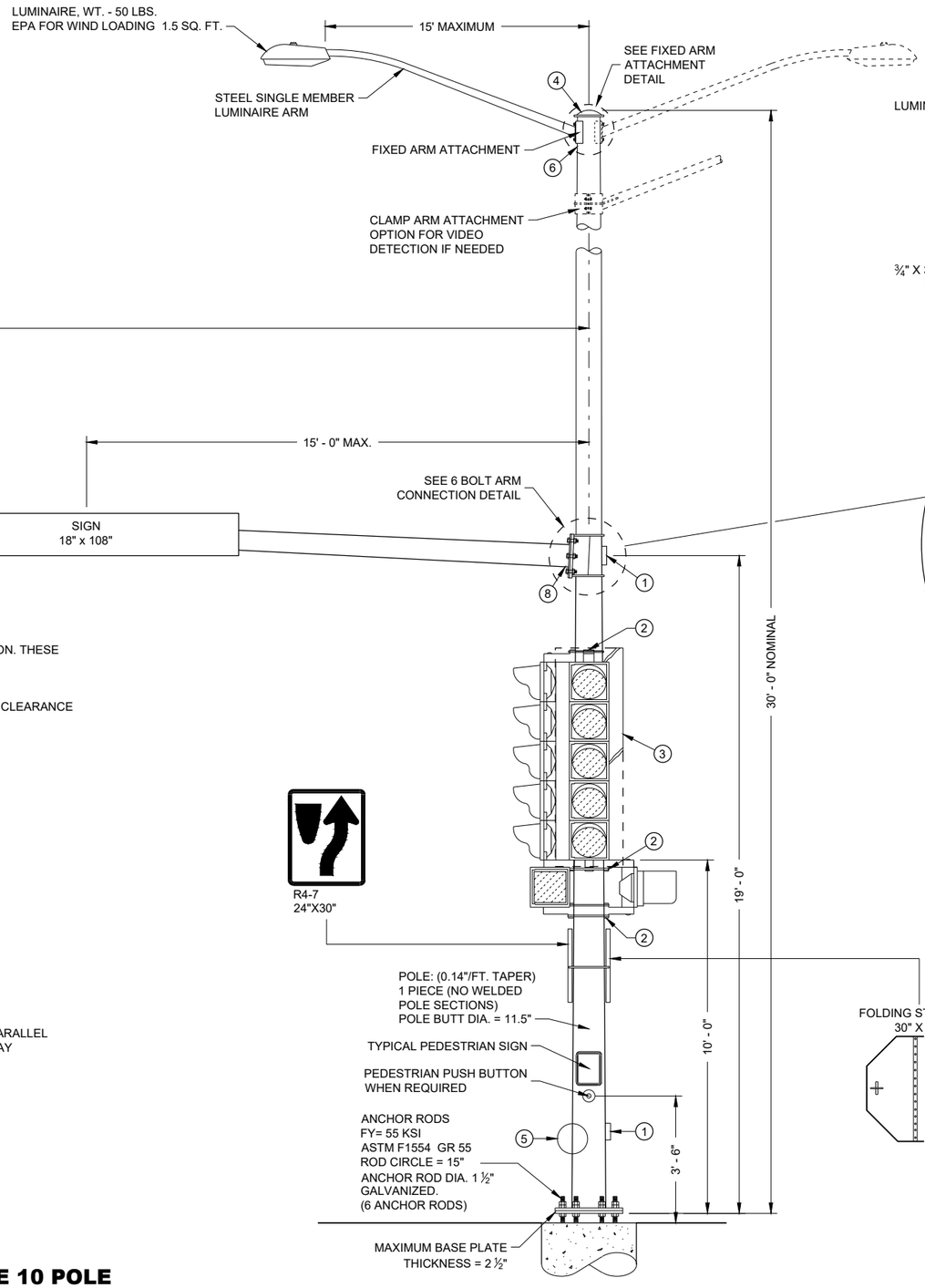
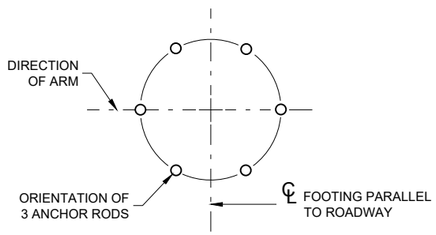
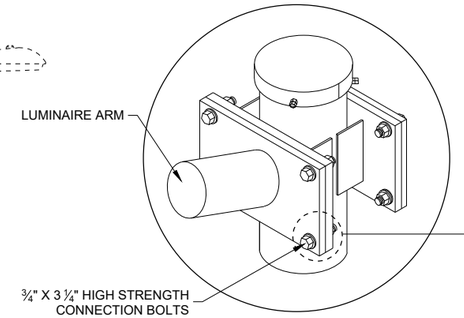


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

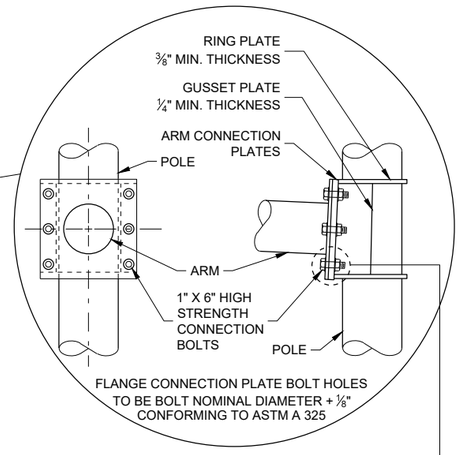
** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE



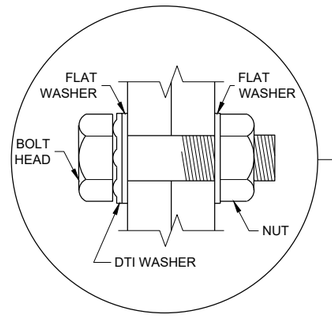
ANCHOR ROD LOCATION



FIXED ARM ATTACHMENT DETAIL



6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 POLE
15' - 30' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 POLE
15' - 30' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI

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GENERAL NOTES

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

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15 FOOT TO 30 FOOT.

POLE TYPES 9 SPECIAL AND 10 SPECIAL ARE FOR ARM LENGTHS 35 FOOT, 40 FOOT, AND 45 FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35 FOOT TO 55 FOOT.

MONOTUBE POLES AND ARMS SHALL BE GALVANIZED STEEL.

RING STIFFENED BUILT UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3% ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATION SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNAL 2015 1ST EDITION (INCLUDING INTERIM REVISIONS)" AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR THE LIGHTING STRUCTURES AS FOLLOWS:

CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.

CATEGORY II FATIGUE LOADS OF TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 SPECIAL AND TYPE 10 SPECIAL STRUCTURES. IN LIEU OF DESIGNING FOR GALLOPING, A VIBRATION DAMPER MITIGATION DEVICE IS REQUIRED TO BE SUPPLIED AND INSTALLED AT THE END OF THE MAST ARM.

CATEGORY II FATIGUE FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE12 AND TYPE 13 STRUCTURES.

115 MPH (700 YEAR MRI BASIC WIND SPEED).

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" STAINLESS STEEL BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR A S DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEAD AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HAND HOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING (SEE SPECIFICATION SECTION 658).

(3) SECURELY MOUNT BACK PLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HAND HOLD, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

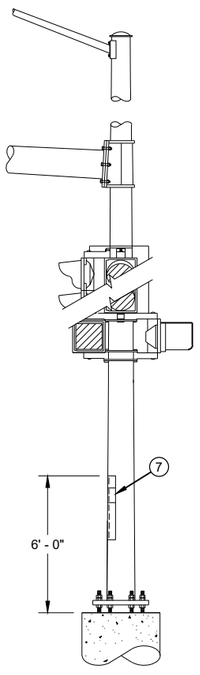
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

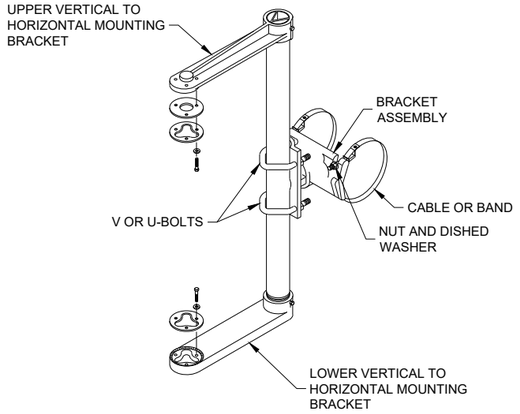
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

MOUNTING HEIGHT SHALL BE 6' - 0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

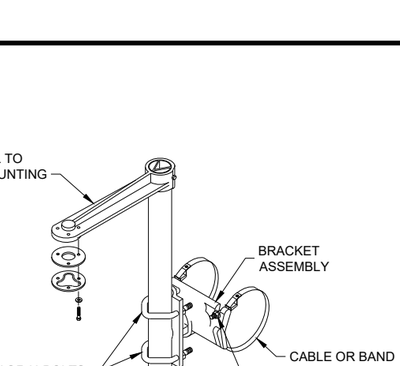


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



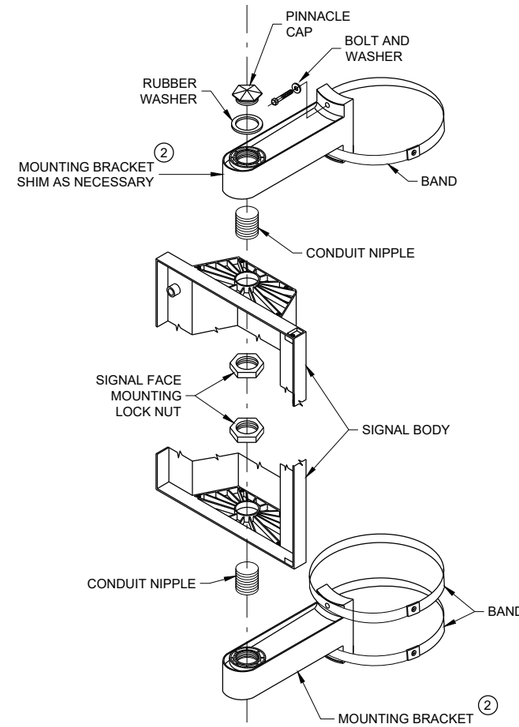
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

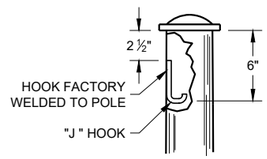


TYPICAL GROUNDING (5) CONNECTIONS

NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



SIGNAL FACE VERTICAL MOUNTING DETAIL



TYPICAL "J" HOOK (6) WIRE SUPPORT

GENERAL NOTES AND HARDWARE FOR TYPES 9,10, 9/10 SPECIAL, 12 AND 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL ENGINEER

FHWA

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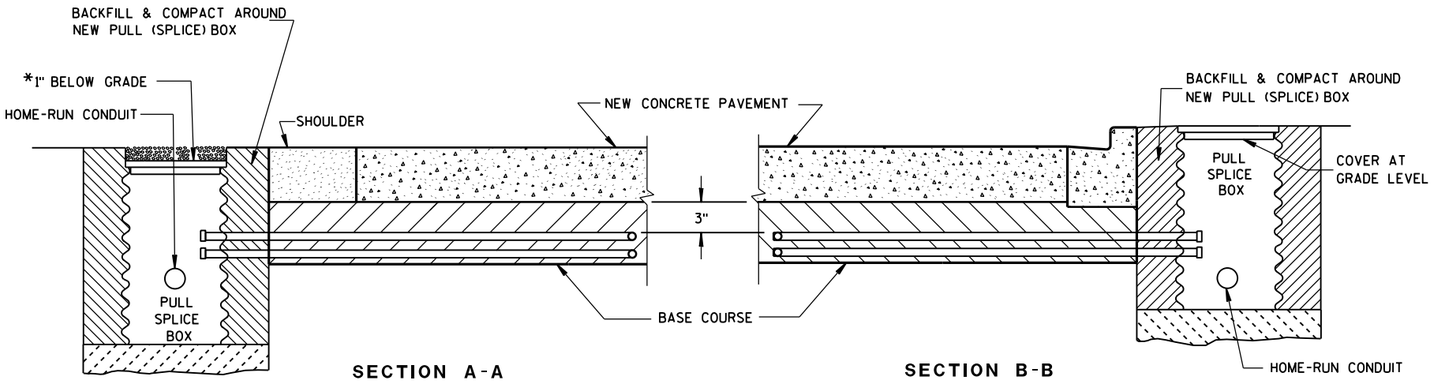
SDD 09E08 - 09k



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

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

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

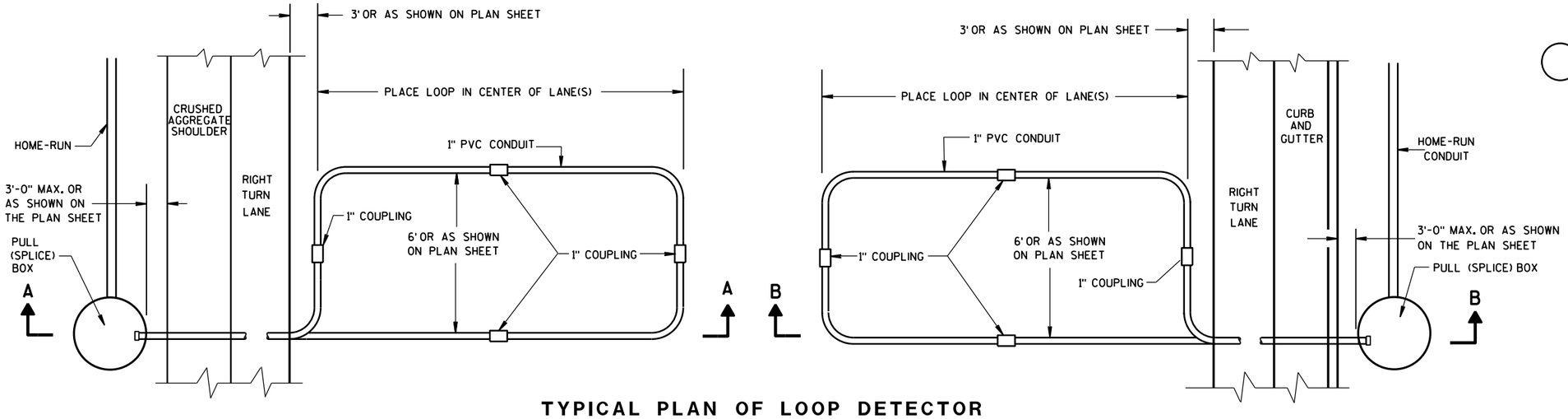
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

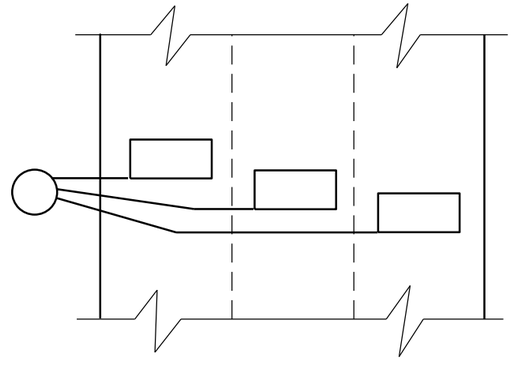
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 F 15-4b

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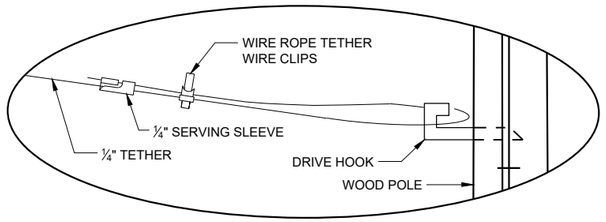
S.D.D. 9 F 15-4b

MINIMUM POLE LENGTHS	CLASS	POLE BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

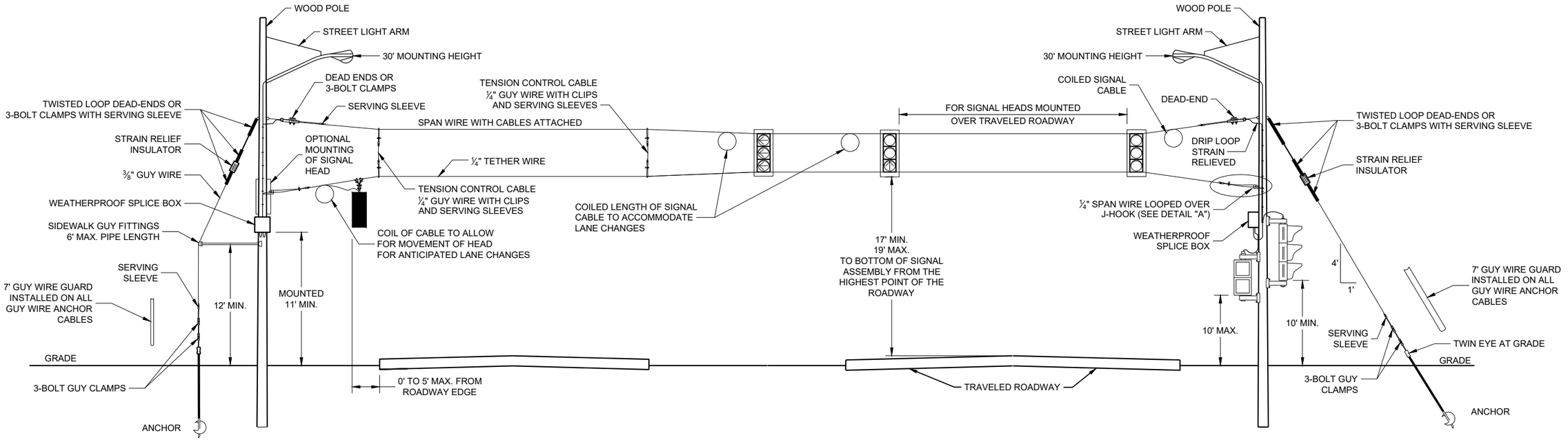


DETAIL "A"

GENERAL NOTES

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

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBLY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE
/S/ Ahmet Demerbilek
STATE ELECTRICAL ENGI 300
FHWA

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SDD09G01 - 04b

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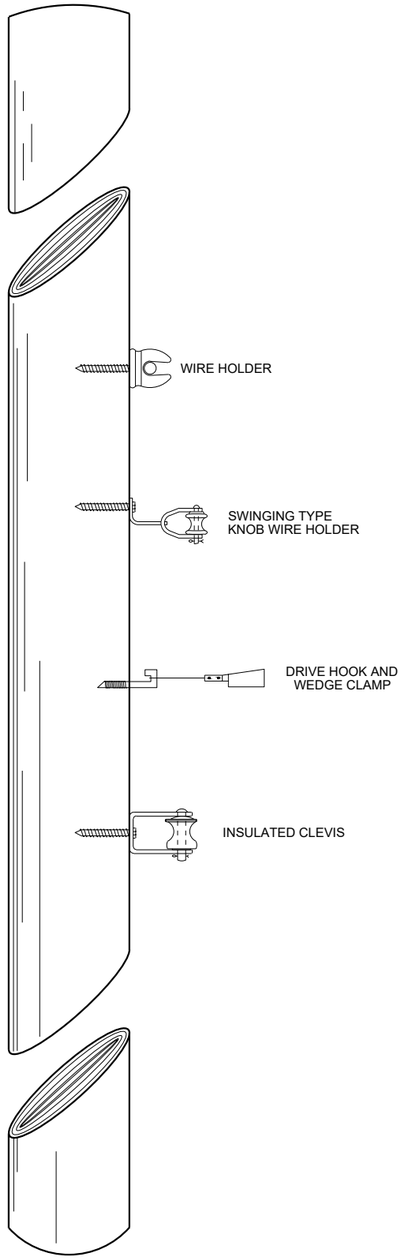

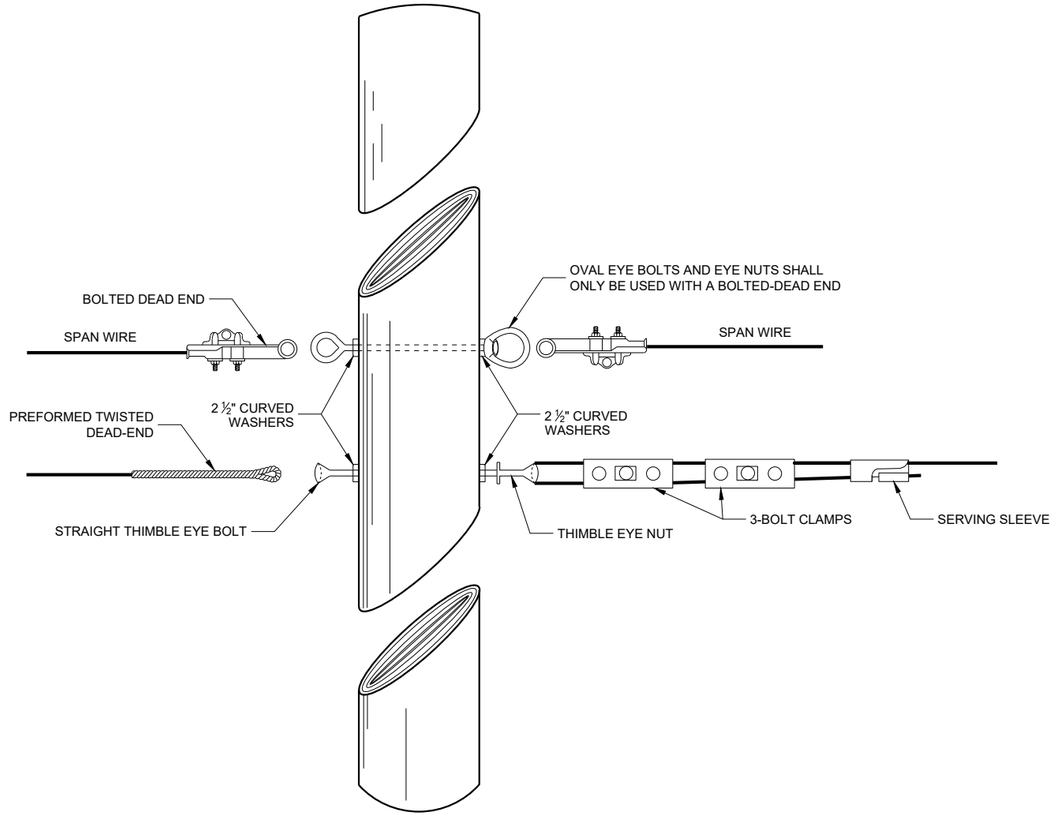

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SDD 09G01 - 4d

SDD 09G01 - 4d

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

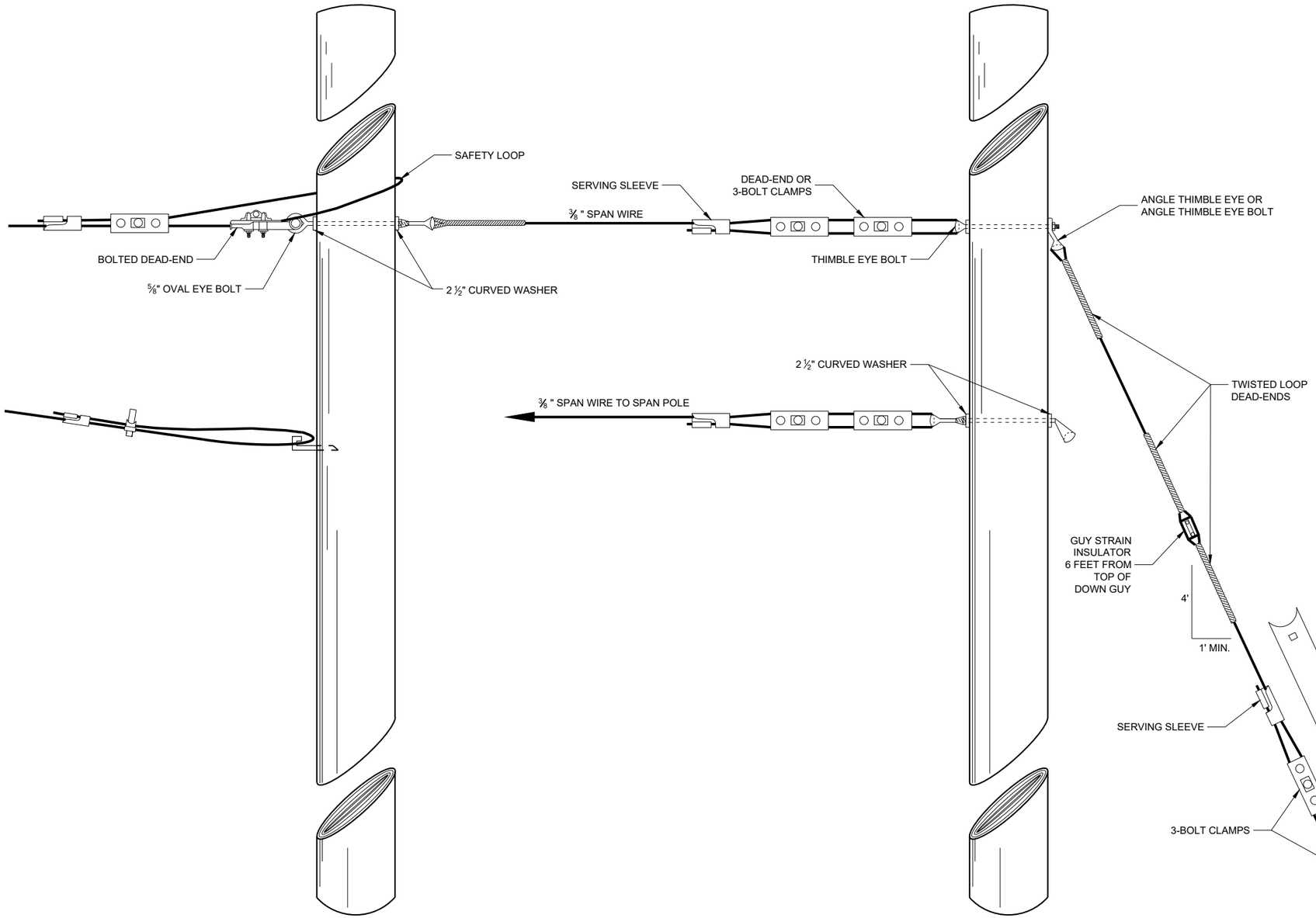
June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE ENGINEER

FHWA

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE FOR ⅝" BOLTS.
2. SAFETY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE **GUY POLE**

TYPICAL DEAD-ENDINGS OR GUYING

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015 — DATE
/S/ Ahmet Demerbilek — ROADWAY STANDARDS DEVE ENGINEER
FHWA

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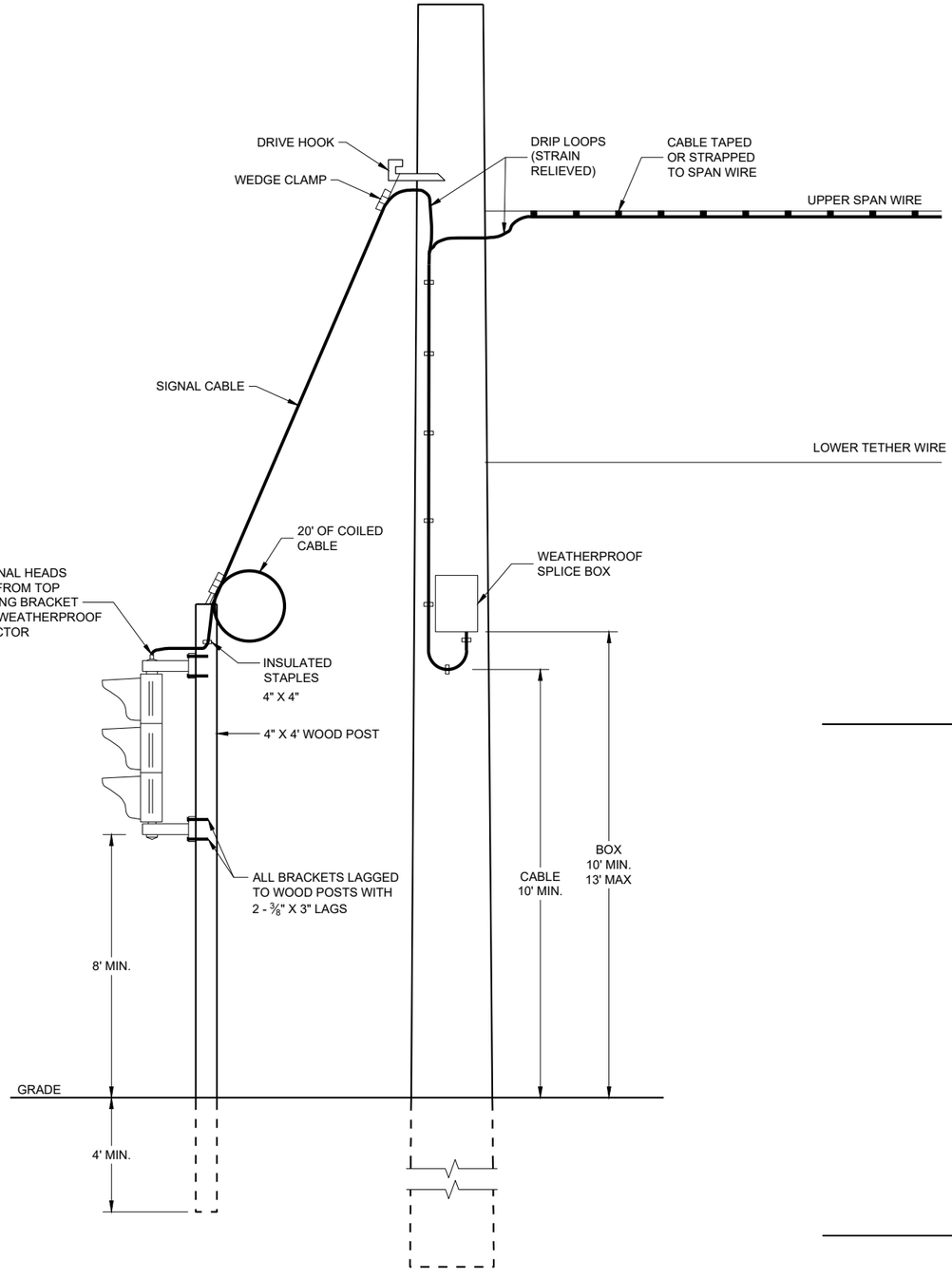
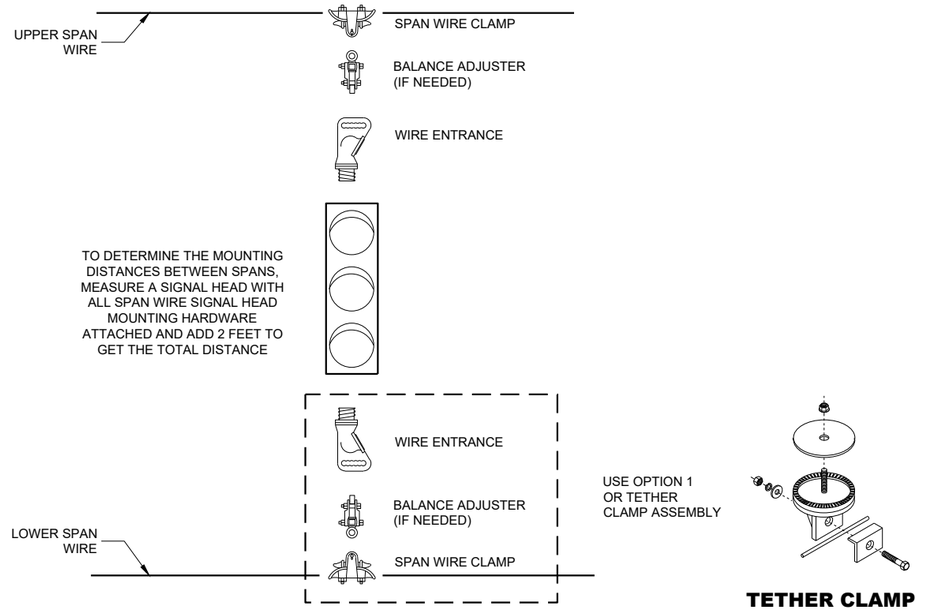
SDD 09G01 - 4e



TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL

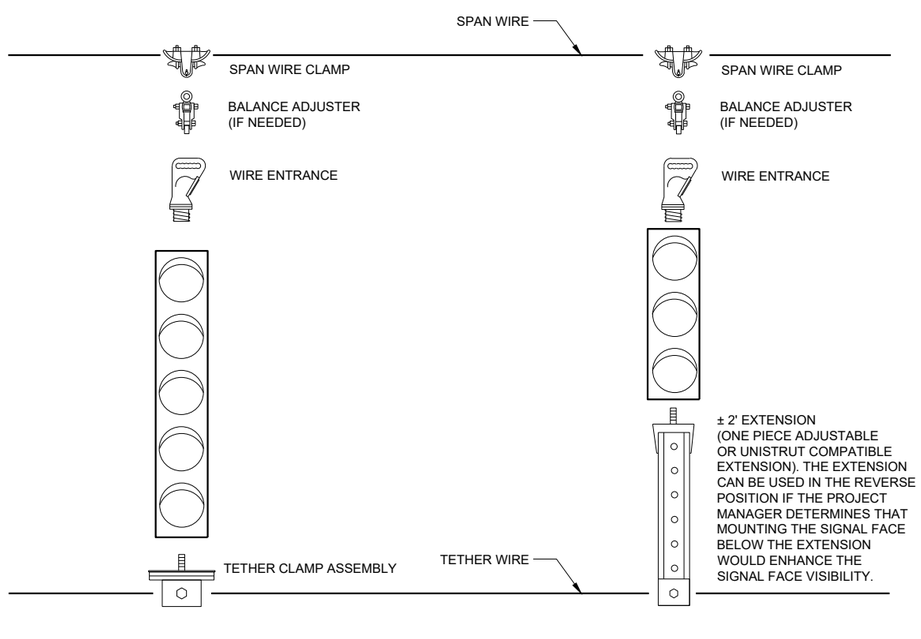


OPTION 1

USE OPTION 1 OR TETHER CLAMP ASSEMBLY

TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2015
DATE

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ROADWAY STANDARDS DEVE ENGINEER

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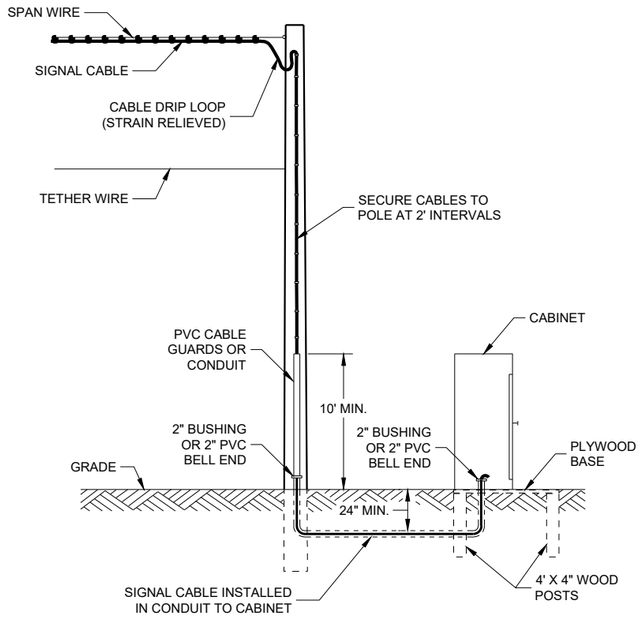
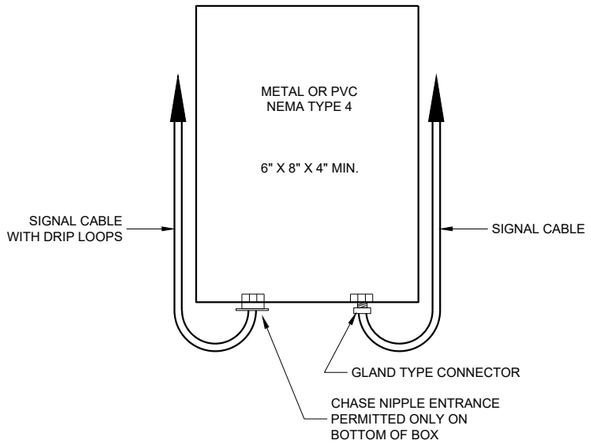
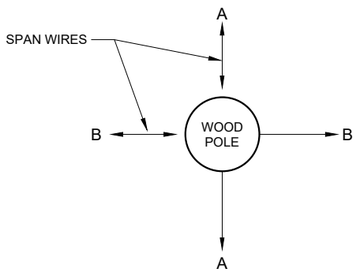




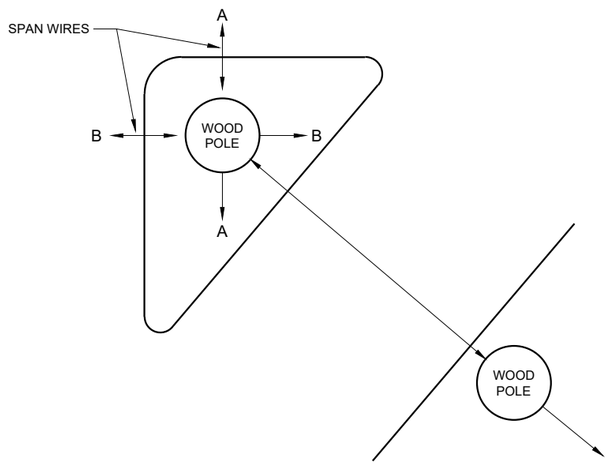
SPLICE BOX

TYPICAL SKID TYPE TEMPORARY

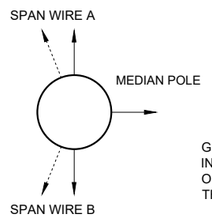


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF
THE SPAN LOADING

MEDIAN POLES

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2015
DATE

/S/ Ahmet Demerbilek
ROADWAY STANDARDS DEVE
ENGINEER

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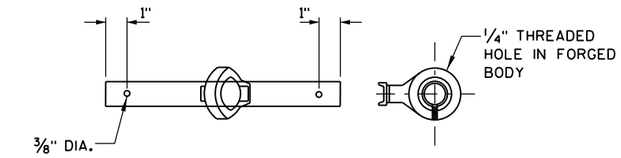
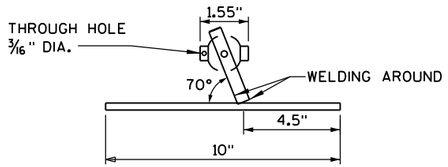
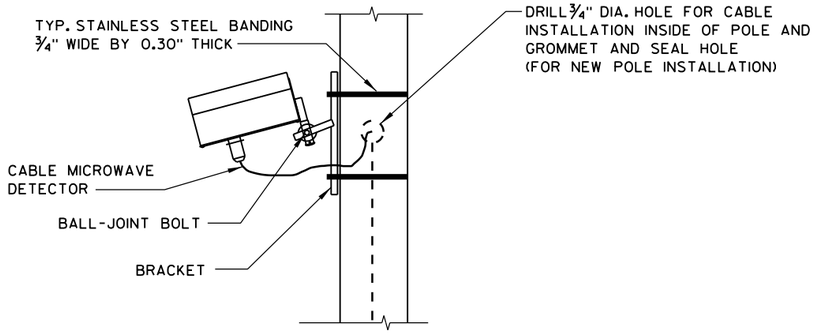


TOP VIEW

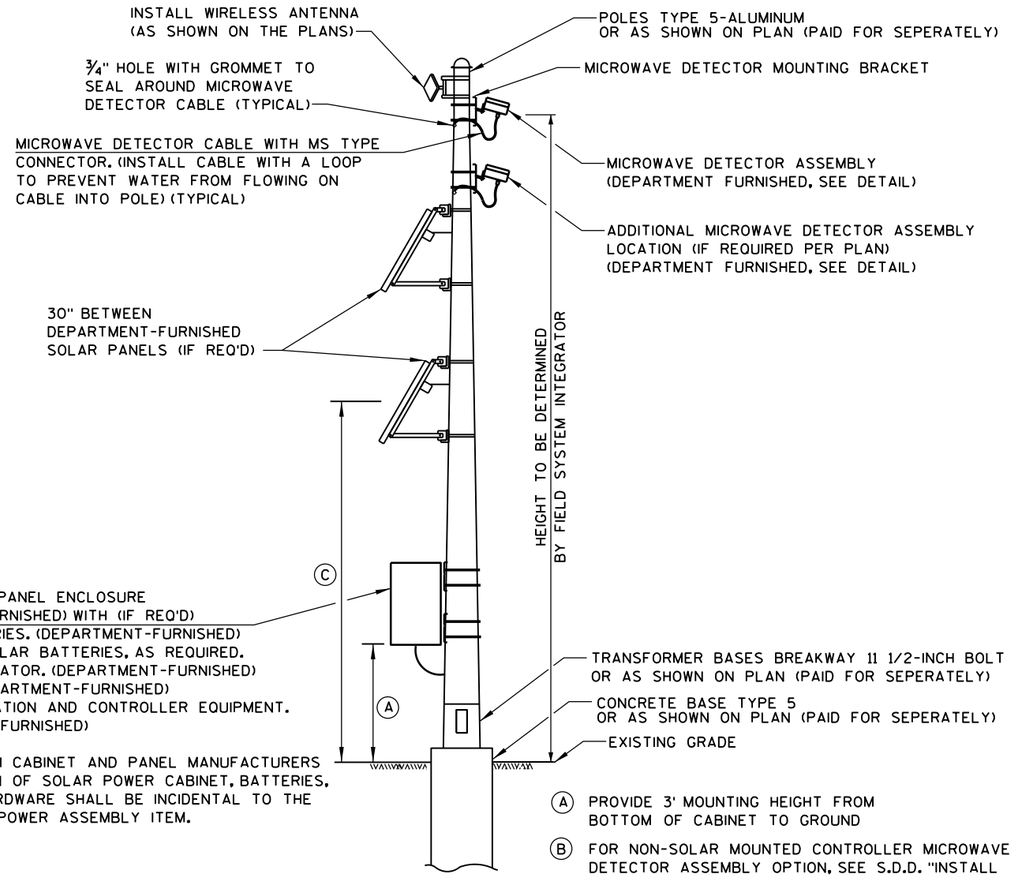


SIDE VIEW

MICROWAVE DETECTOR MOUNTING BRACKET DETAIL



TYPICAL MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY INSTALLATION DETAIL



(B) INSTALL SOLAR PANEL ENCLOSURE (DEPARTMENT-FURNISHED) WITH (IF REQ'D)
- SOLAR BATTERIES. (DEPARTMENT-FURNISHED)
- ADDITIONAL SOLAR BATTERIES, AS REQUIRED.
- CHARGE REGULATOR. (DEPARTMENT-FURNISHED)
- INVERTER. (DEPARTMENT-FURNISHED)
- ITS COMMUNICATION AND CONTROLLER EQUIPMENT. (DEPARTMENT-FURNISHED)

COORDINATE WITH CABINET AND PANEL MANUFACTURERS ON INSTALLATION OF SOLAR POWER CABINET, BATTERIES, AND PANELS. HARDWARE SHALL BE INCIDENTAL TO THE INSTALL SOLAR POWER ASSEMBLY ITEM.

(A) PROVIDE 3' MOUNTING HEIGHT FROM BOTTOM OF CABINET TO GROUND

(B) FOR NON-SOLAR MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY OPTION, SEE S.D.D. "INSTALL MOUNTED CABINET ON POLES"

(C) PROVIDE 15' MOUNTING HEIGHT (MIN.) FROM SOLAR PANEL TO GROUND

MICROWAVE DETECTOR ASSEMBLY

MOUNTED CONTROLLER MICROWAVE DETECTOR ASSEMBLY INSTALLATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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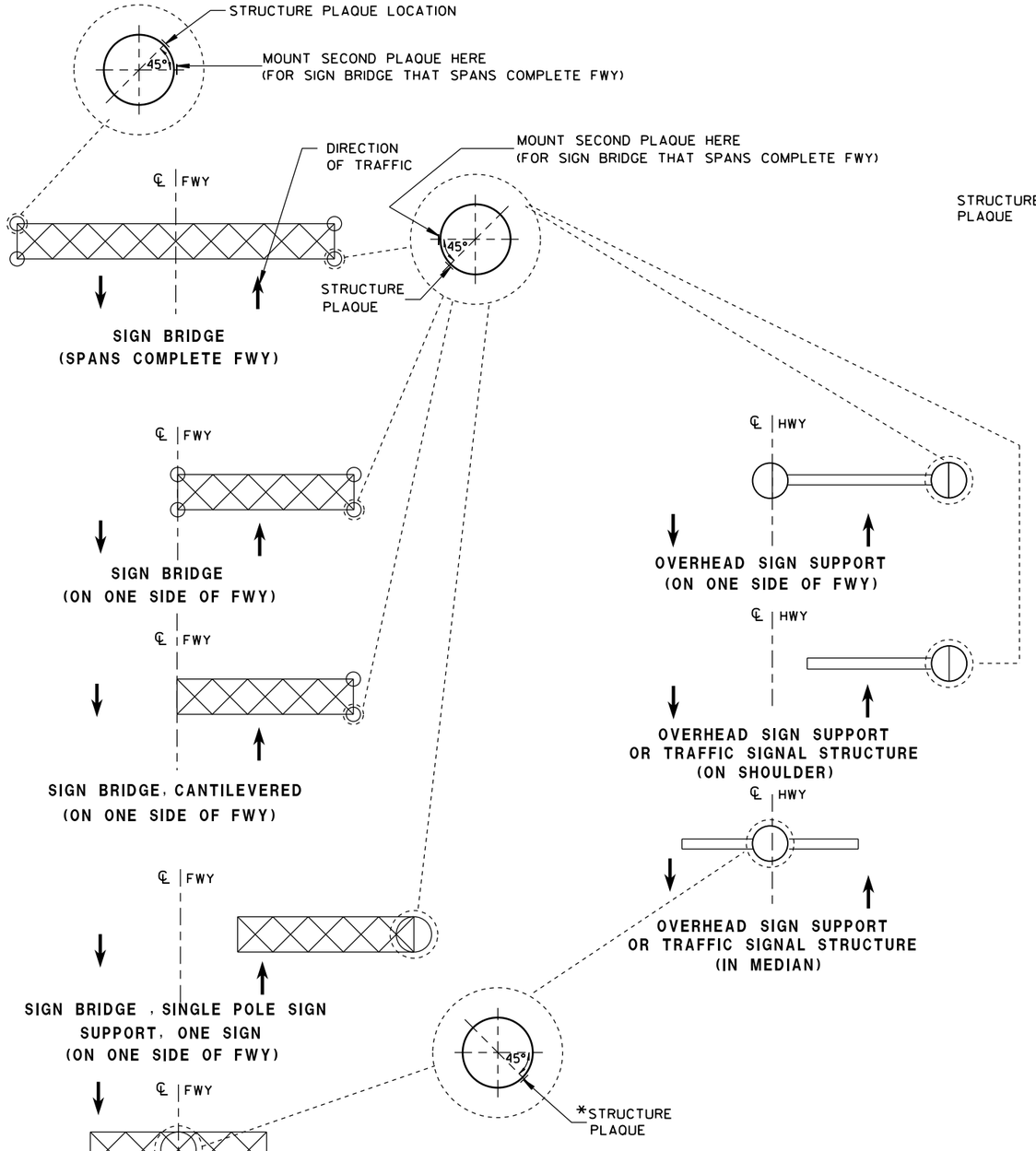
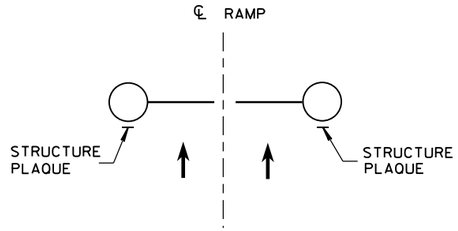
S.D.D. 9 H 15-1

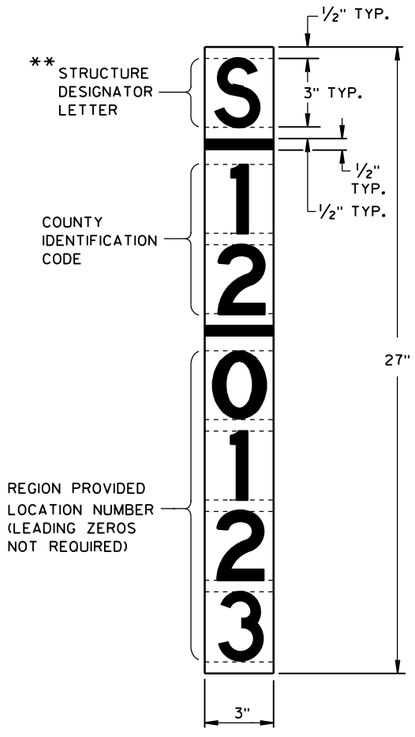


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

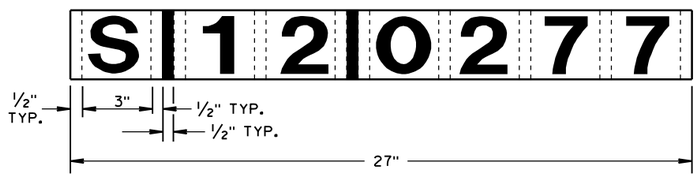
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
12/4/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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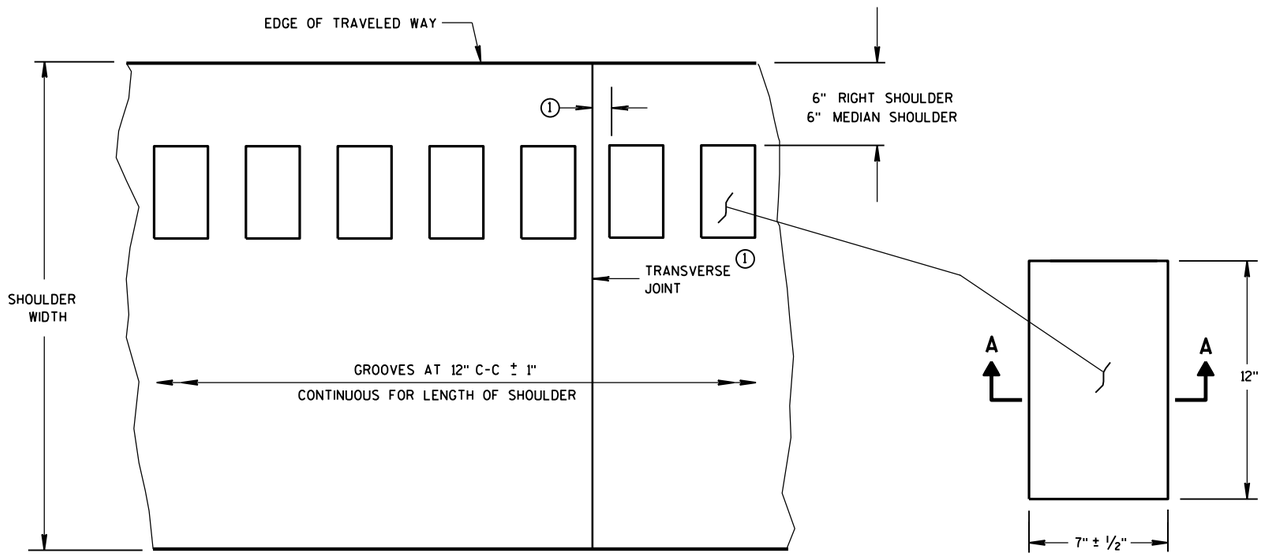
S.D.D. 12 A 4-3



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

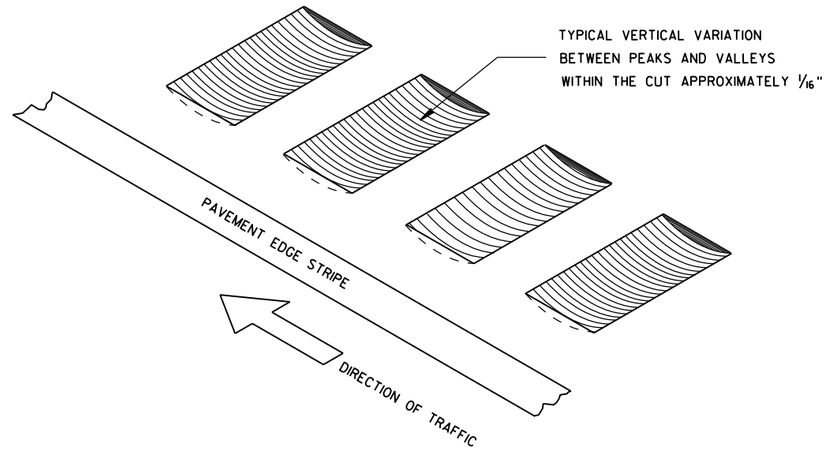
GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

RUMBLE STRIPS ON EXPRESSWAYS

DO NOT INSTALL RUMBLE STRIPS ACROSS SIDE ROAD INTERSECTIONS, COMMERCIAL DRIVEWAYS, PRIVATE DRIVEWAYS OR ADJACENT TO RIGHT TURN LANES, LEFT TURN LANES, TURN LANE TAPERS, BRIDGE DECKS, BRIDGE APPROACHES, OR 100 FEET IN ADVANCE OF RAILROAD CROSSING. THE ATTACHED STANDARD DETAIL DRAWING SHOWS THE LOCATION OF THE RUMBLE STRIPS AT INTERCHANGE AREAS.

(1) CONCRETE PAVEMENT - RUMBLE STRIPS SHALL BE A MINIMUM OF 6" AWAY FROM TRANSVERSE JOINTS.



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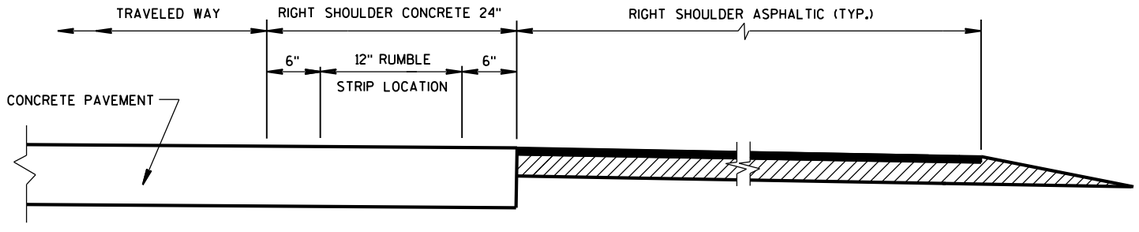
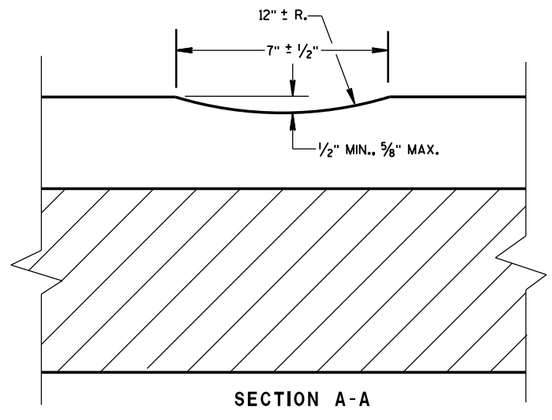
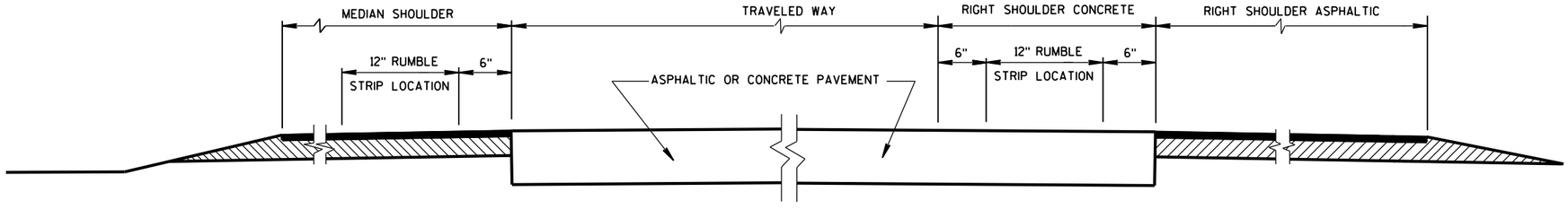


SECTION VIEW
CONCRETE PAVEMENT EXTENDS INTO RIGHT SHOULDER)



SECTION A-A



SECTION VIEW

TYPICAL LOCATIONS OF SHOULDER RUMBLE STRIPS IN RURAL DIVIDED HIGHWAYS

(ONE ROADWAY IS SHOWN)

SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 13 A 5-5a

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S.D.D. 13 A 5-5a

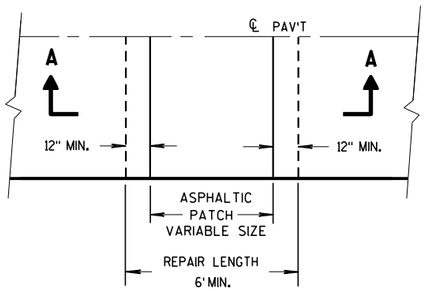
GENERAL NOTES

SAW CUT, DRILL, AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES.

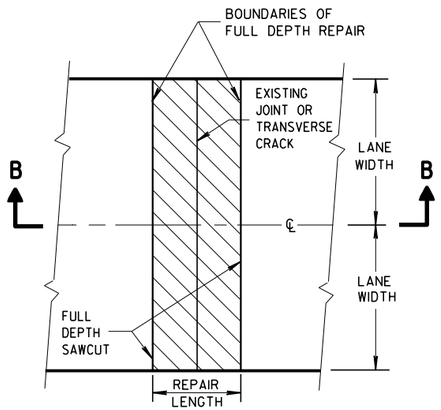
PROVIDE A 6-FOOT MINIMUM DISTANCE FROM BOUNDARIES OF CONCRETE REPAIR AREAS TO ADJACENT TRANSVERSE JOINT OR CRACK IN THE SAME LANE.

THE LENGTH OF THE REPAIRS MAY VARY FROM THE DIMENSIONS SHOWN IF THE EXISTING CONCRETE PAVEMENT IS NONDOWELED AND THE PAVEMENT IS TO BE OVERLAID AFTER REPAIRING.

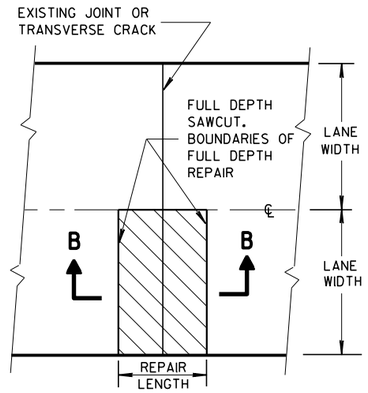
(1) DOWEL BARS MIGHT NOT EXIST.



PLAN VIEW

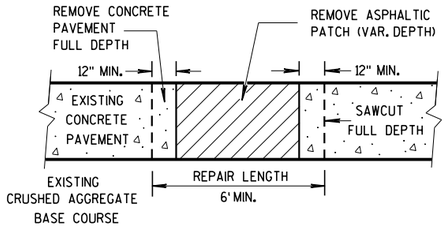


PLAN VIEW
(DOUBLE LANE REPAIR)



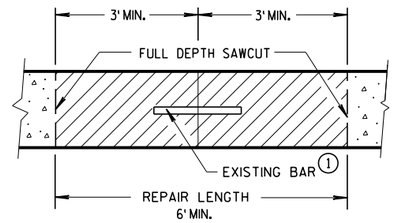
PLAN VIEW
(SINGLE LANE REPAIR)

FULL DEPTH CONCRETE PAVEMENT REMOVAL



SECTION A-A

HMA PATCH REMOVAL



SECTION B-B

CONCRETE REMOVAL

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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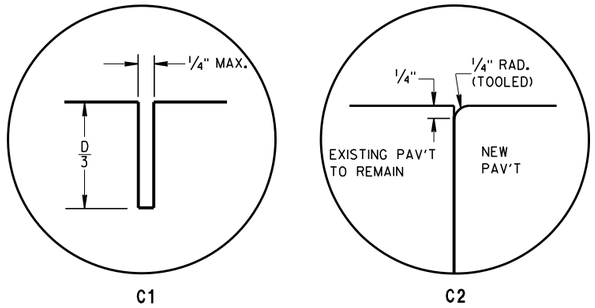
S.D.D. 13 C 9-15a



C1 C2

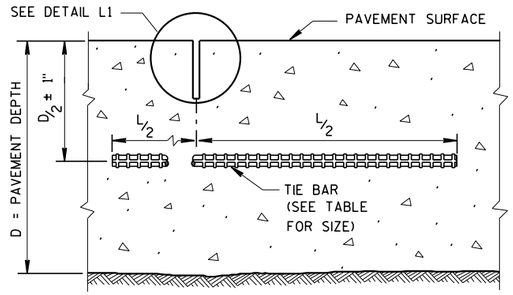
TRANSVERSE JOINTS

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.



SECTION C-C

SAWED LONGITUDINAL JOINT

GENERAL NOTES

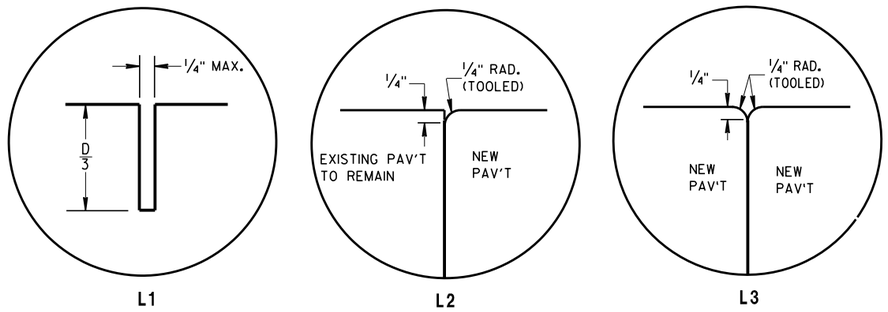
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NONDOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

ANCHOR DOWEL BARS AND TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

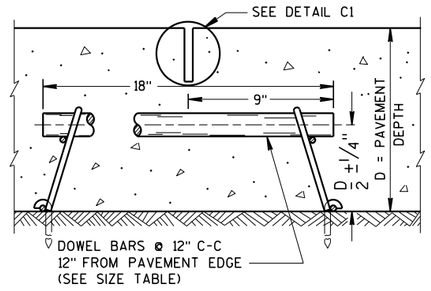
FOR MULTI-LANE CONCRETE PAVEMENT REPLACEMENTS, PROVIDE A MINIMUM DISTANCE OF 15 INCHES FROM ALL TRANSVERSE JOINTS OR EDGES OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE.

(1) APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.



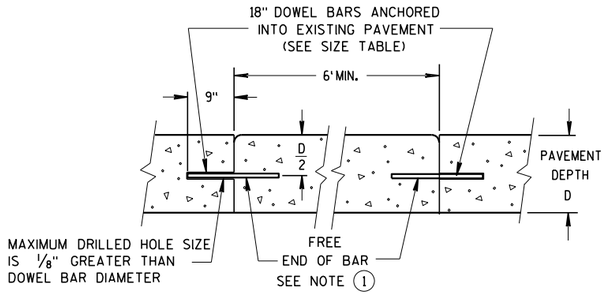
L1 L2 L3

LONGITUDINAL JOINTS

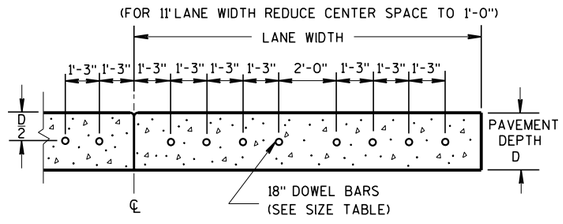


SECTION F-F

CONTRACTION JOINT



SECTION D-D

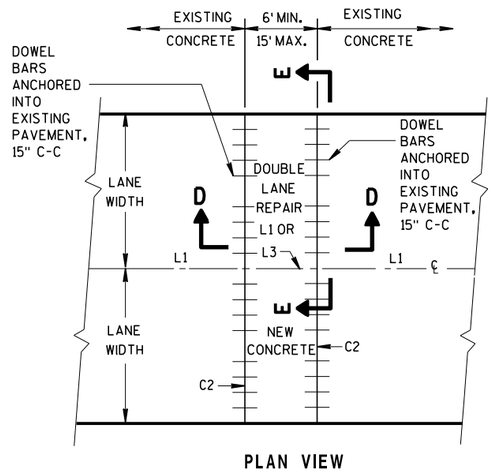


SECTION E-E

DRILLED DOWEL BAR CONSTRUCTION JOINT

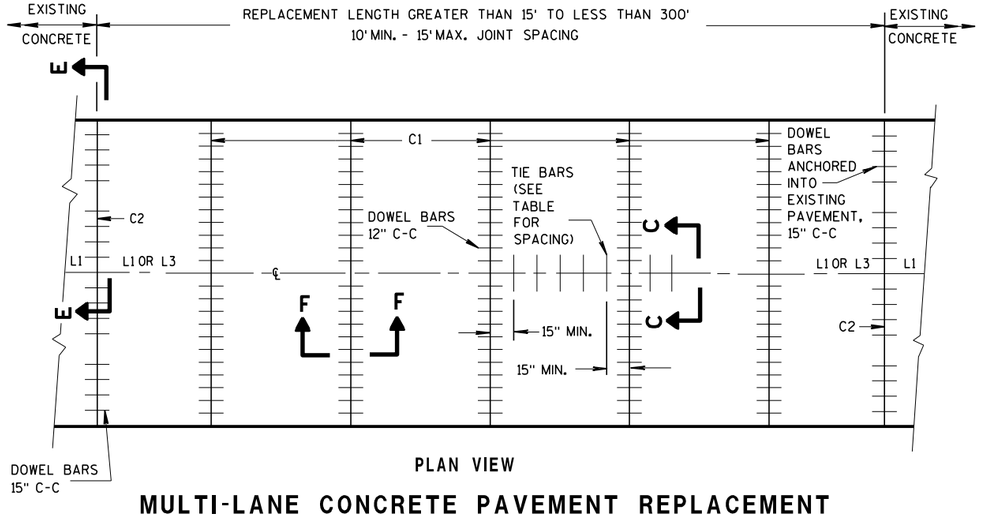
PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	DRILLED DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	NONE	12'
7", 7 1/2"	1"	1"	14'
8", 8 1/2"	1 1/4"	1 1/4"	15'
9", 9 1/2"	1 1/4"	1 1/4"	15'
10" & ABOVE	1 1/2"	1 1/4"	15'



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

MULTI-LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

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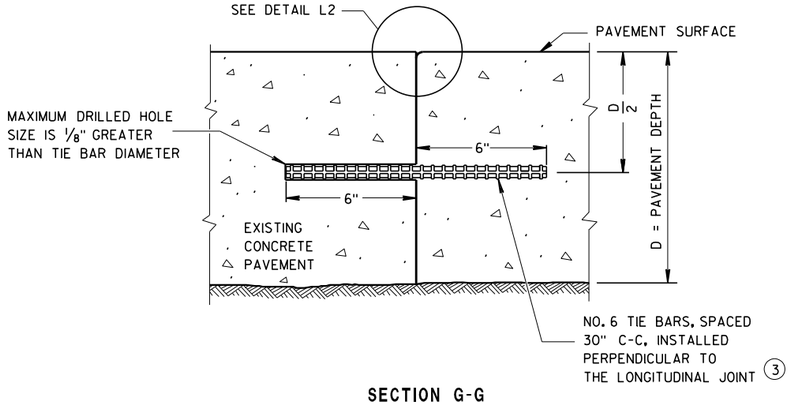
S.D.D. 13 C 9-15b



SECTION G-G

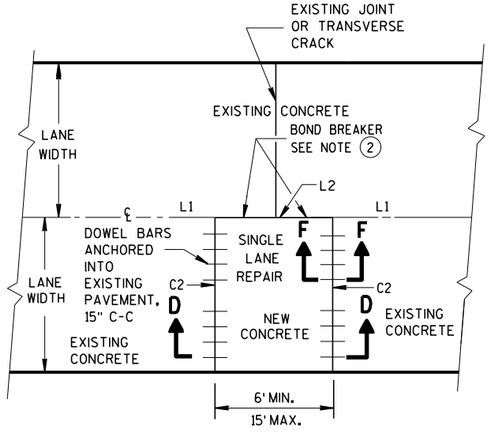
TIE BARS ANCHORED INTO EXISTING PAVEMENT

GENERAL NOTES

(1) WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES IN A HOLE OF SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.

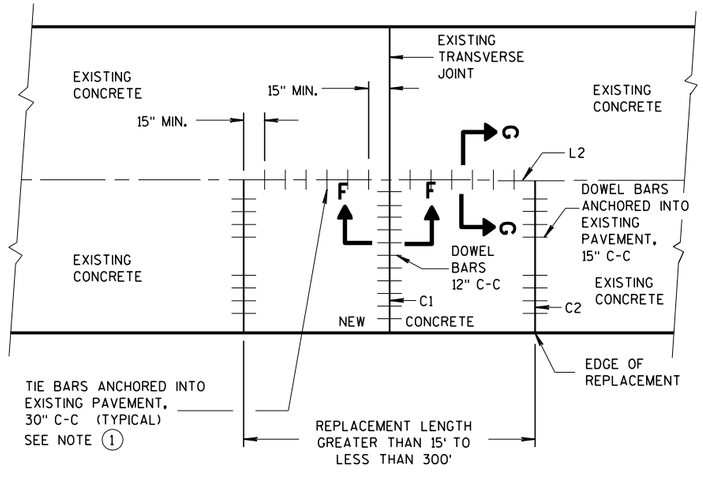
(2) USE AN ENGINEER-APPROVED BOND BREAKER (E.G. RELEASE AGENT, CURING COMPOUND) FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.

(3) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPAIR



PLAN VIEW

SINGLE LANE CONCRETE PAVEMENT REPLACEMENT

CONCRETE PAVEMENT REPAIR AND REPLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

March 2018 — DATE

/S/ Peter Ken... P.E. — PAVEMENT SUPE

FHWA

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S.D.D. 13 C 9-15c

GENERAL NOTES

(1) W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS. APPROVED PLASTIC BLOCKOUT DESIGNS MAY VARY FROM THIS TYPICAL DETAIL WHEN USED IN CONJUNCTION WITH STEEL POSTS.

DO NOT MIX STEEL POSTS AND WOOD POSTS IN A SINGLE INSTALLATION.

(2) USE STRUCTURAL STEEL POSTS CONFORMING TO ASTM A 36. GALVANIZED POSTS ACCORDING TO AASHTO M 111. EITHER SET THE POSTS IN DRILLED HOLES OR DRIVE TO GRADE. REMOVE MUSHROOMING CAUSED BY DRIVING AND REPAIR DAMAGED SPELTER COATING ON GALVANIZED POSTS.

(3) INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(4) USE EITHER WOOD OR APPROVED PLASTIC BLOCKOUTS ON WOOD POSTS.

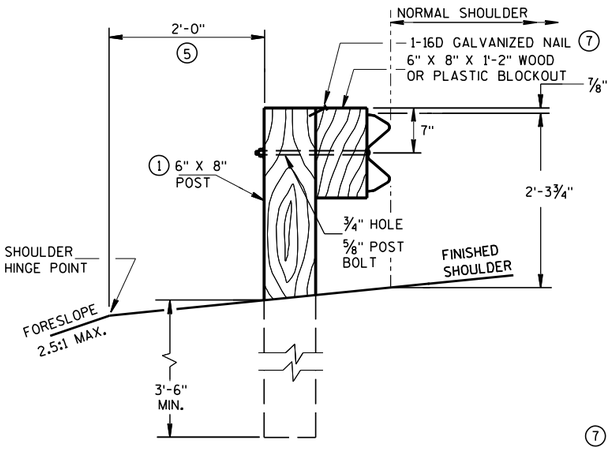
(5) IF THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING, W BEAM (LHW).

(6) IF ROCK IS ENCOUNTERED DURING EXCAVATION, THE ENGINEER MAY APPROVE USING A 12 INCH DIAMETER POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE APPROXIMATELY 2½ INCHES DEEP. CUT THE POSTS TO LENGTH AND PLACE IN YHE HOLE. BACKFILL WITH MATERIAL EXCAVATED FROM THE HOLE AND COMPACT ADEQUATEY.

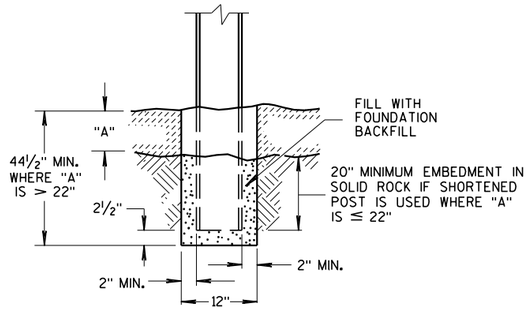
(7) WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

INSTALL BEAM GUARD SECTIONS AND ALL NECESSARY HARDWARE ACCORDING TO THE APPLICABLE PLAN AND CURRENT STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

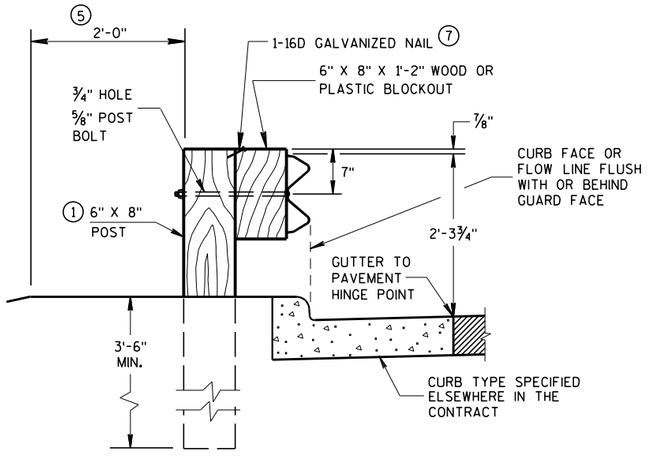
ALL DIMENSIONS ARE SUBJECT TO MANUFACTURER'S TOLERANCES EXCEPT WHERE ALLOWABLE TOLERANCES ARE SHOWN.



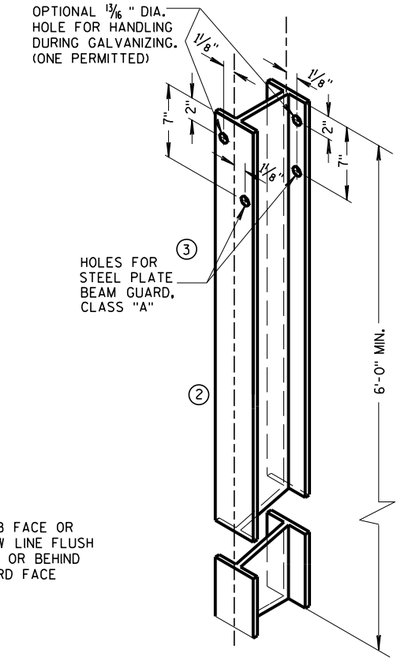
END VIEW
LOCATED ALONG A ROADWAY SHOULDER
STANDARD INSTALLATION



END VIEW
SETTING STEEL OR WOOD POST IN ROCK (6)

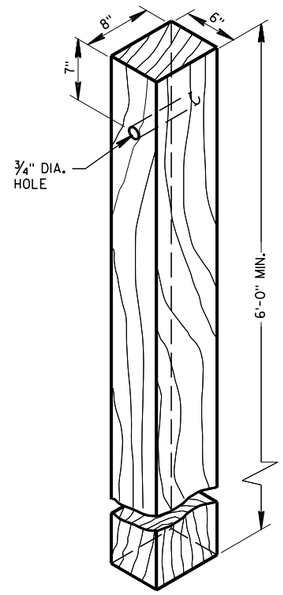


END VIEW
LOCATED ALONG A CURBED ROADWAY

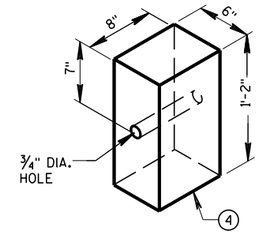


STEEL POST &
HOLE PUNCHING DETAIL
(W6 X 9) (1)

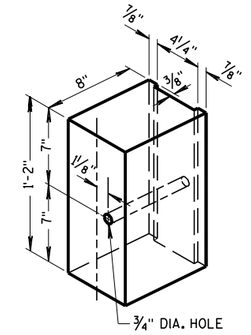
ALL HOLES 13/16" DIAMETER EXCEPT AS NOTED



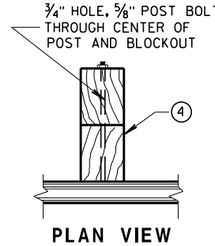
WOOD POST
(6"X8") NOMINAL



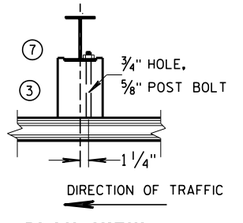
WOOD OR PLASTIC
BLOCKOUT FOR
WOOD POSTS



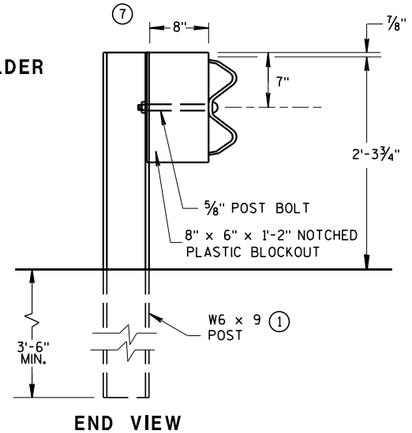
TYPICAL NOTCHED
PLASTIC BLOCKOUT
FOR STEEL POSTS (1)



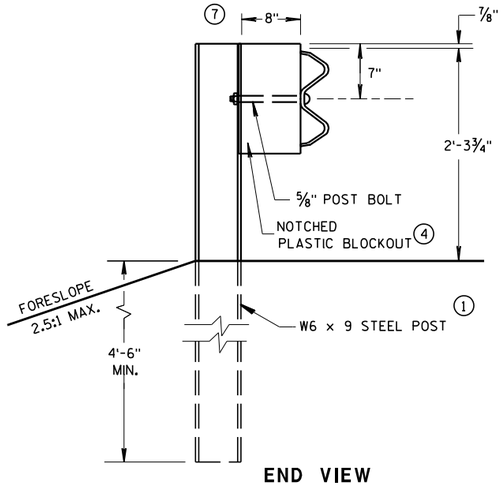
PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



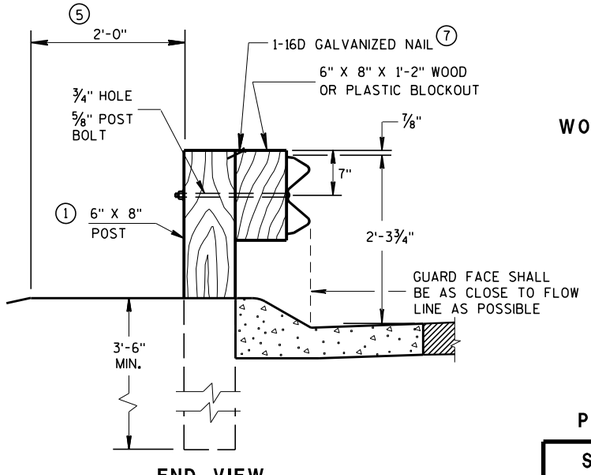
PLAN VIEW
STEEL POST, NOTCHED
PLASTIC BLOCKOUT & BEAM



END VIEW
STEEL POST & NOTCHED
PLASTIC BLOCKOUT ALTERNATIVE
STANDARD INSTALLATION



END VIEW
LONGER POST AT HALF
POST SPACING W BEAM
(LHW)



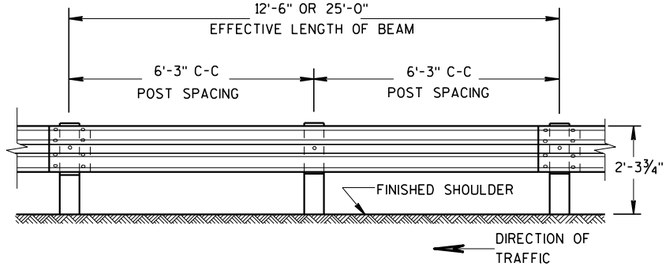
END VIEW
LOCATED ALONG A
MOUNTABLE CURBED ROADWAY

TYPICAL INSTALLATION OF STEEL PLATE BEAM GUARD

STEEL PLATE BEAM GUARD,
CLASS "A"
INSTALLATION & ELEMENTS

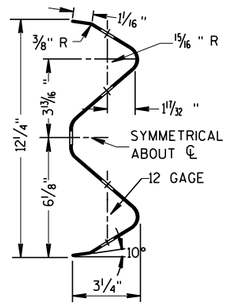
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
S.D.D. 14 B 15-11a

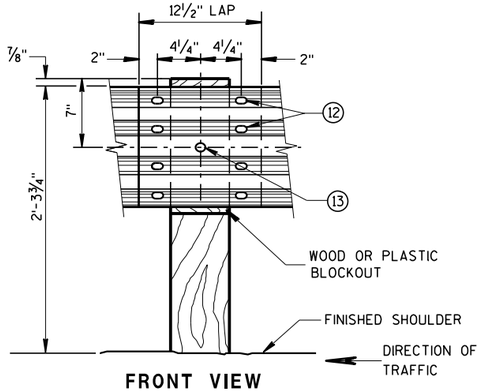


FRONT VIEW

POST SPACING STANDARD INSTALLATION



SECTION THRU W BEAM



FRONT VIEW

BEAM SPLICE AT WOOD POST AND POST MOUNTING DETAIL

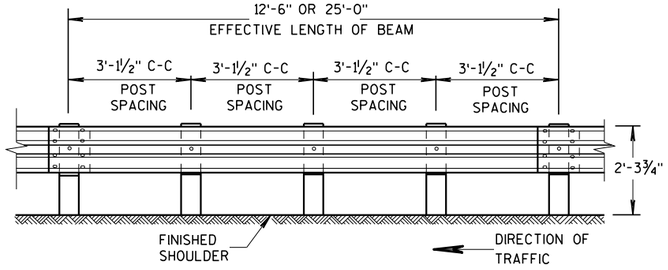
GENERAL NOTES

FURNISH GUARDRAIL DEFLECTORS FROM APPROVED PRODUCTS LIST.

(9) DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINA. START REFLECTORS AT POST #9 AND SPACE EVENLY EVERY 100 FEET (MAX.) TO THE END OF GUARDRAIL RUN, USING A MINIMUM OF 3 REFLECTORS.

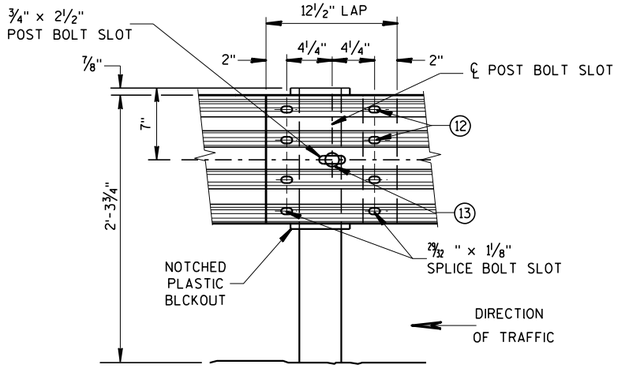
(12) 8 -⅝" ϕ X 2" BUTTON HEAD BOLTS WITH OVAL SHOULDERS & RECESS NUTS.

(13) ⅝" DIA. BUTTON HEAD BOLT AND RECESS NUT WITH ⅝" DIA. F844 FLAT WASHER UNDER NUT.



FRONT VIEW

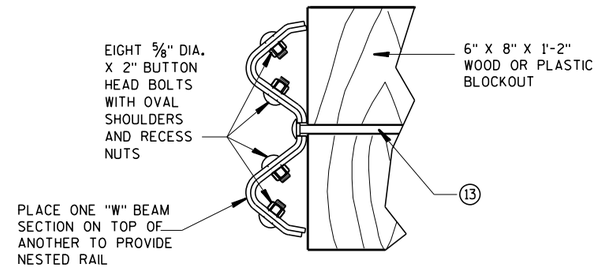
POST SPACING FOR LONGER POST AT HALF POST SPACING W BEAM (LHW)



FRONT VIEW

BEAM SPLICE AT STEEL POST

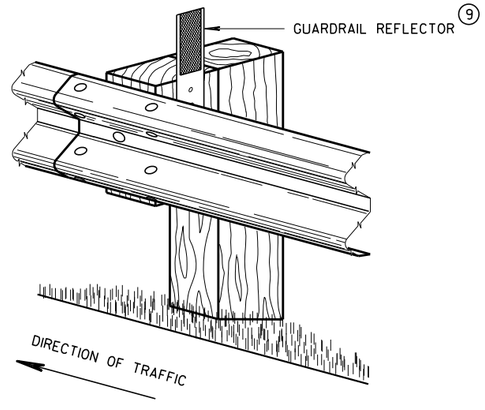
TYPICAL SPLICING DETAILS OF STEEL PLATE BEAM GUARD



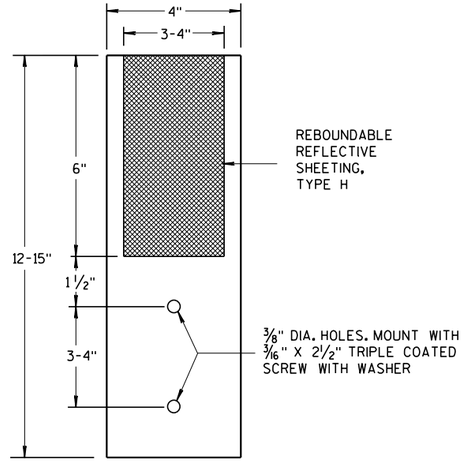
NESTED W BEAM (NW)

USE ALL OTHER STANDARD BEAM GUARD DETAILS FOR CONSTRUCTING NESTED W BEAM (NW)

* USE DOUBLE SIDED WHITE GUADRAIL REFLECTORS ON ROADWAYS WITH BI-DIRECTIONAL TRAFFIC (NO MEDIAN). USE SINGLE SIDED WHITE (RIGHT SIDE) AND SINGLE SIDED YELLOW (LEFT SIDE) ON ROADWAYS WITH MEDIAN SEPARATION.



4" X 12" GUARDRAIL REFLECTOR DETAIL AND TYPICAL INSTALLATION *



4"x 12" GUARDRAIL REFLECTOR

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

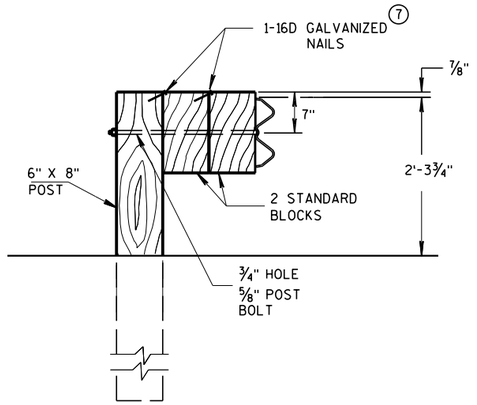
STATE OF WISCO 312
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 15-11b

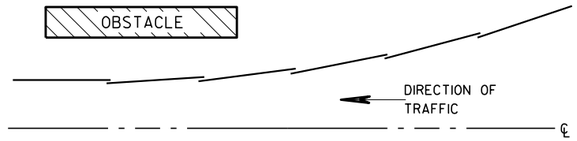
6

S.D.D. 14 B 15-11b

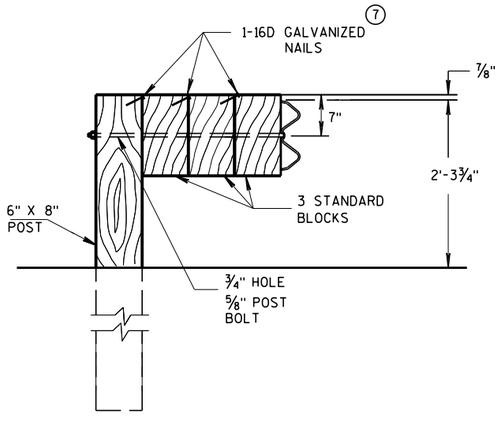


DETAIL FOR DOUBLE BLOCKS

THE NUMBER OF DOUBLE BLOCK POSTS WITHIN A BARRIER RUN IS UNLIMITED

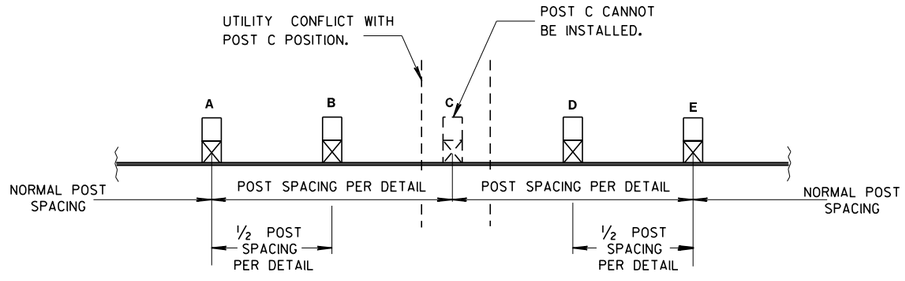


PLAN VIEW
BEAM LAPPING DETAIL



DETAIL FOR TRIPLE BLOCKS

TRIPLE BLOCK DETAIL IS LIMITED TO ONE LOCATION WITHIN A BEAM GUARD RUN.



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION

NOTES: USE DOUBLE OR TRIPLE BLOCKS WHEN UNDERGROUND OBSTACLES PREVENT THE POST FROM BEING INSTALLED.

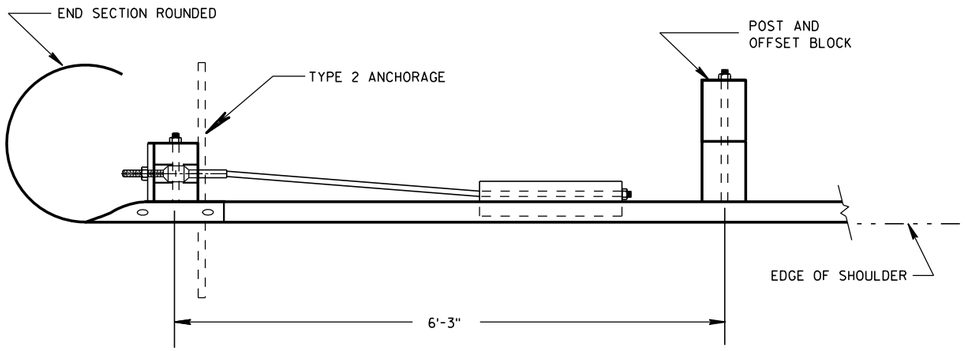
DO NOT USE EXTRA BLOCKOUTS IF IT CAUSES THE POST TO BE DRIVEN BEYOND SHOULDER HINGE POINT OR CAUSES A FIXED OBJECT TO BE WITHIN THE DEFLECTION DISTANCE OF THE BARRIER.

STEEL PLATE BEAM GUARD, CLASS "A", INSTALLATION & ELEMENTS

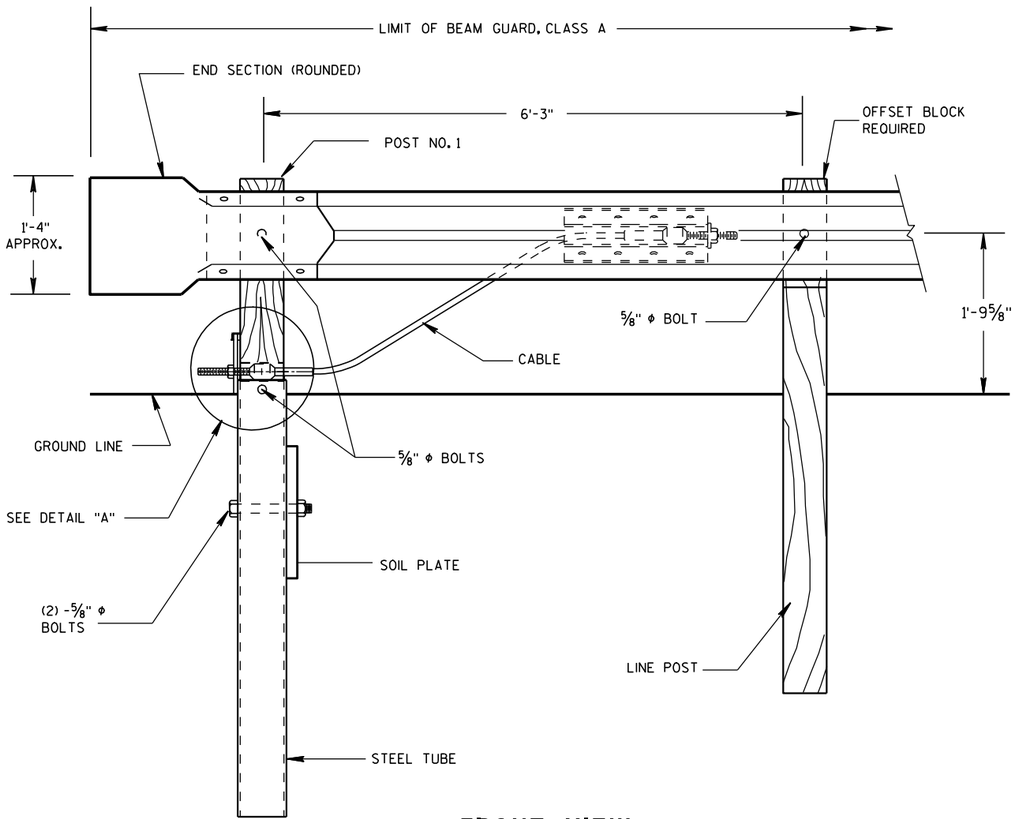
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
313
FHWA

6
S.D.D. 14 B 15-11c



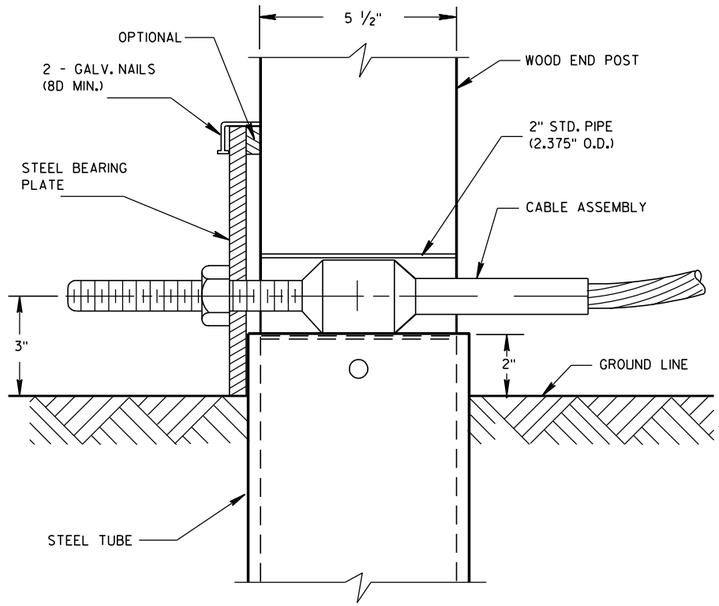
PLAN VIEW



FRONT VIEW

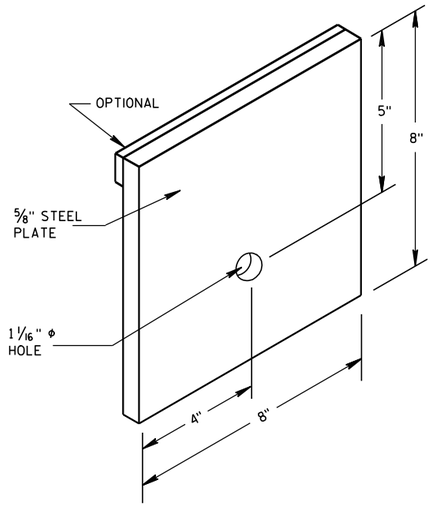
END TREATMENT WITH TYPE 2 ANCHORAGE

(USE ON ONE-WAY ROADWAYS ONLY - DEPARTING END)



DETAIL "A"

POST NO. 1



STEEL BEARING PLATE

ANCHORAGE FOR STEEL
PLATE BEAM GUARD
TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 16-4a

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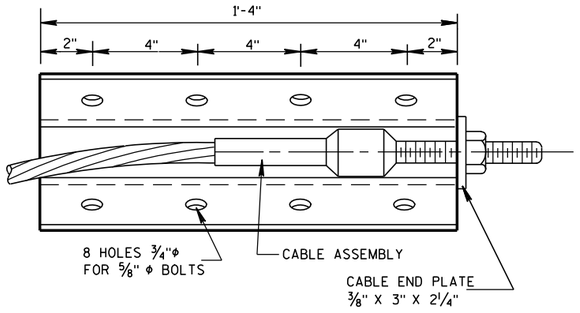
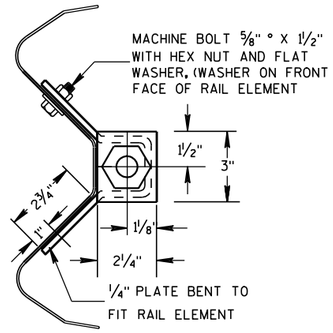
S.D.D. 14 B 16-4a

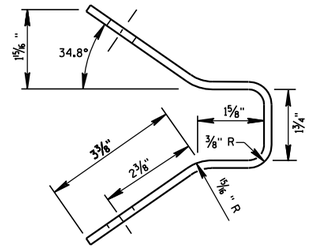


FRONT VIEW

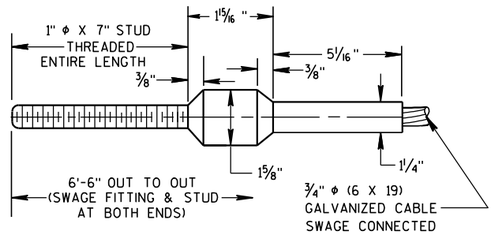


END VIEW

ANCHOR PLATE DETAIL



END VIEW OF BRACKET



CABLE ASSEMBLY

CABLE, SWAGE FITTING, STUD AND NUT SHALL DEVELOP A MINIMUM BREAKING STRENGTH OF 40,000 LB (TIGHTEN UNTIL TAUT)

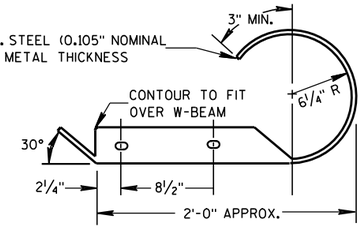
GENERAL NOTES

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

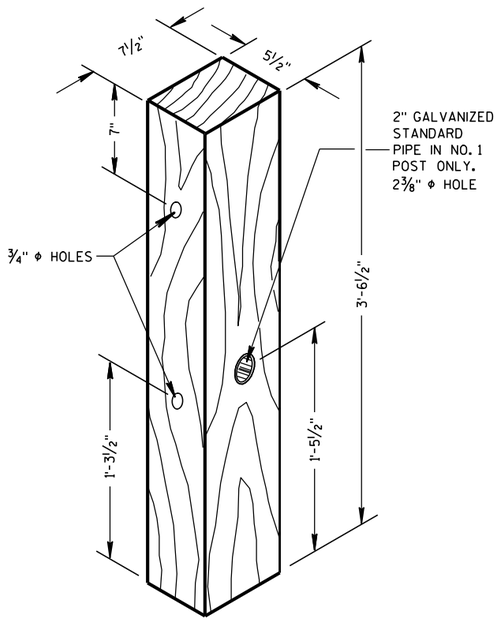
STRUCTURAL TUBING SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-500 GRADE B OR ASTM A-501.

POST NO. 1 SHALL BE WOOD BREAKAWAY POST INSERTED AND BOLTED INTO STEEL TUBE.

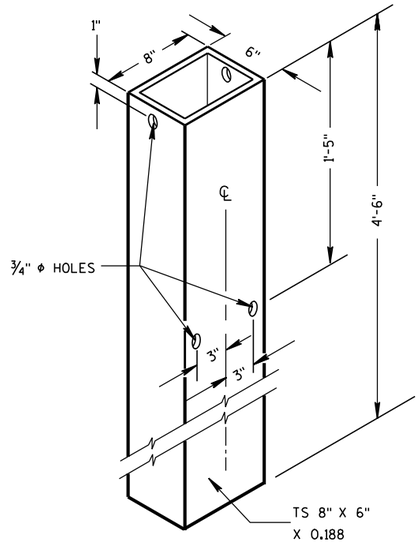
TYPE 2 ANCHORAGE SHALL CONSIST OF A STEEL TUBE, SOIL PLATE WOOD BREAKAWAY POST, BEARING PLATE, ANCHOR PLATE, CABLE ASSEMBLY AND ALL ASSOCIATED HARDWARE, ALL STEEL PARTS SHALL BE GALVANIZED.



PLAN VIEW

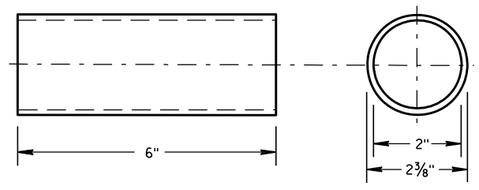


WOOD BREAKAWAY POST



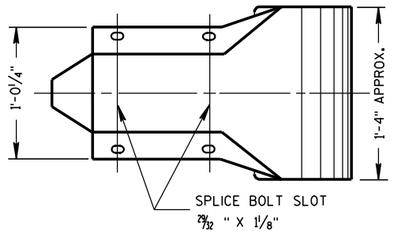
STEEL TUBE

STEEL TUBE SHALL CONFORM TO REQUIREMENTS OF ASTM A500

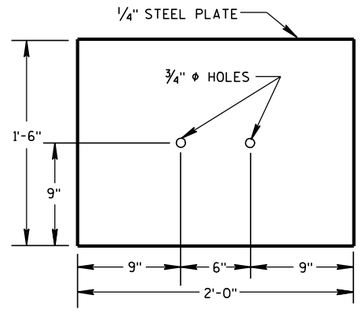


BREAKAWAY TERMINAL POST SLEEVE

GALVANIZED STANDARD STRENGTH STEEL PIPE, ASTM 53 GRADE "B"



FRONT VIEW
W BEAM END SECTION ROUNDED



SOIL PLATE

ANCHORAGE FOR STEEL PLATE BEAM GUARD TYPE 2

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

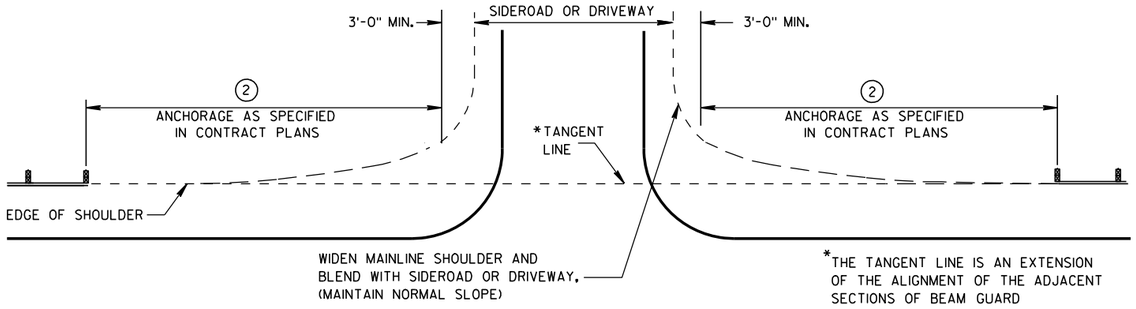
APPROVED
8/21/2007 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
315
FHWA

6

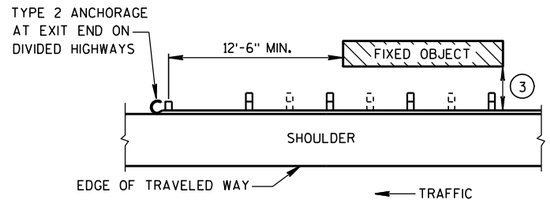
S.D.D. 14 B 16-4b

6

S.D.D. 14 B 16-4b



BEAM GUARD AT SIDEROADS OR DRIVEWAYS



BEAM GUARD AT OBSTACLES EXIT END - ONE WAY TRAFFIC

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PERTINENT STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

W6 X 9 OR W6 X 8.5 STEEL POSTS WITH NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POSTS WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

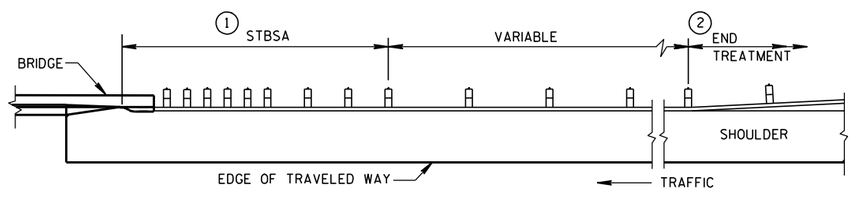
THE LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.

(1) STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.

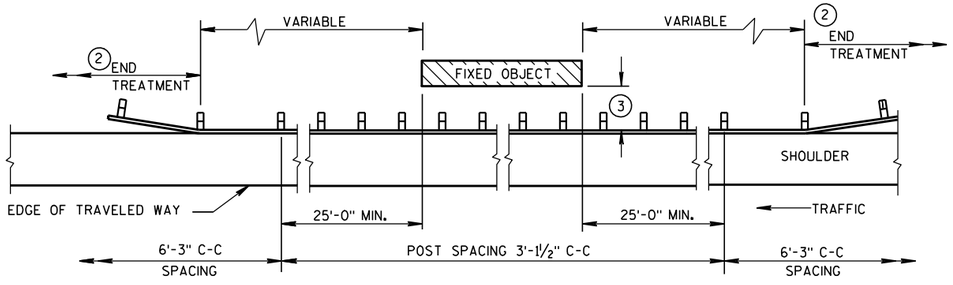
(2) USE AN APPROVED END TREATMENT FOR THE TRAFFIC APPROACH SIDE OF BRIDGE/OBSTACLES. USE TYPE 2 ANCHORAGE ONLY AT THE DOWNSTREAM ENDS OF BEAM GUARD LOCATED ALONG ROADWAYS WITH ONE WAY TRAFFIC.

(3)

MINIMUM LATERAL DISTANCE FROM FACE OF BEAM GUARD TO FIXED OBJECT	POST SPACING
3'-6"	3' - 1½"
4'-6"	6' - 3"

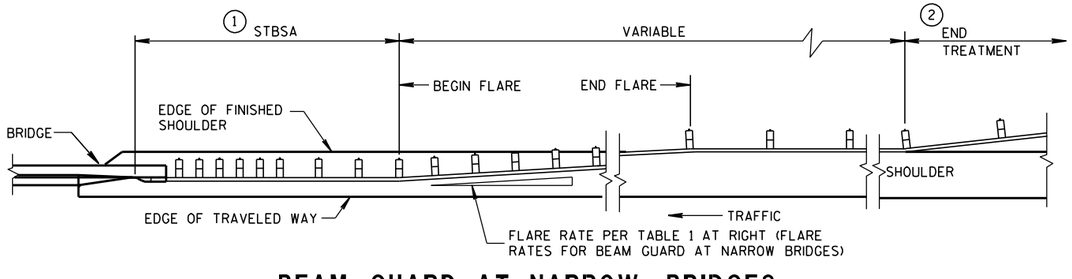


BEAM GUARD AT FULL WIDTH BRIDGES



BEAM GUARD AT OBSTACLES - TWO WAY TRAFFIC

(RAIL TO OBSTACLE CLEARANCE 3'-6" TO 4'-6")



BEAM GUARD AT NARROW BRIDGES
(FLARED TO SHOULDER EDGE, THEN PARALLEL TO ROADWAY)

TABLE 1
FLARE RATES FOR BEAM GUARD AT NARROW BRIDGES

POSTED SPEED (MPH)	FLARE RATE
25	13:1
30	15:1
35	16:1
40	18:1
45	21:1
50	24:1
55	26:1
65	30:1

STEEL PLATE BEAM GUARD CLASS "A" AT BRIDGES, OBSTACLES AND SIDEROADS/DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

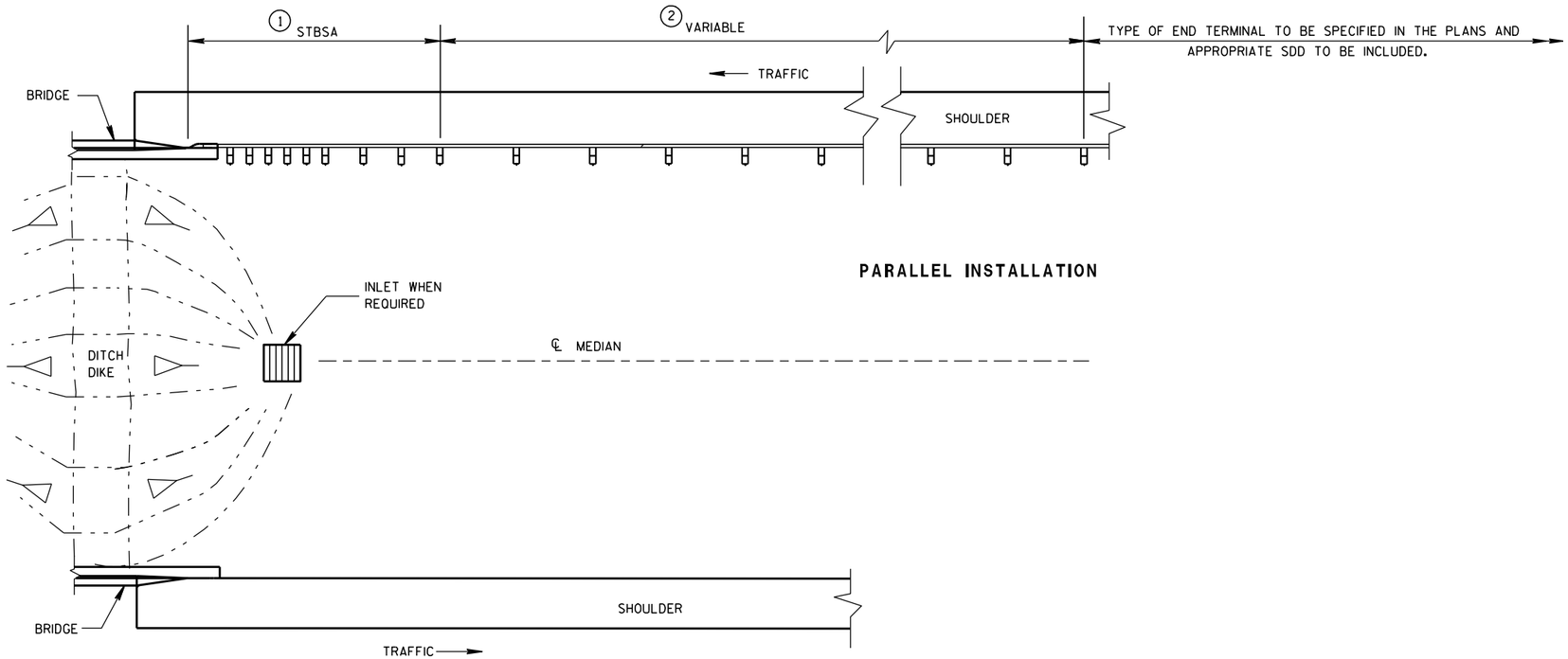
APPROVED
8-21-07 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 14 B 18-6a

GENERAL NOTES

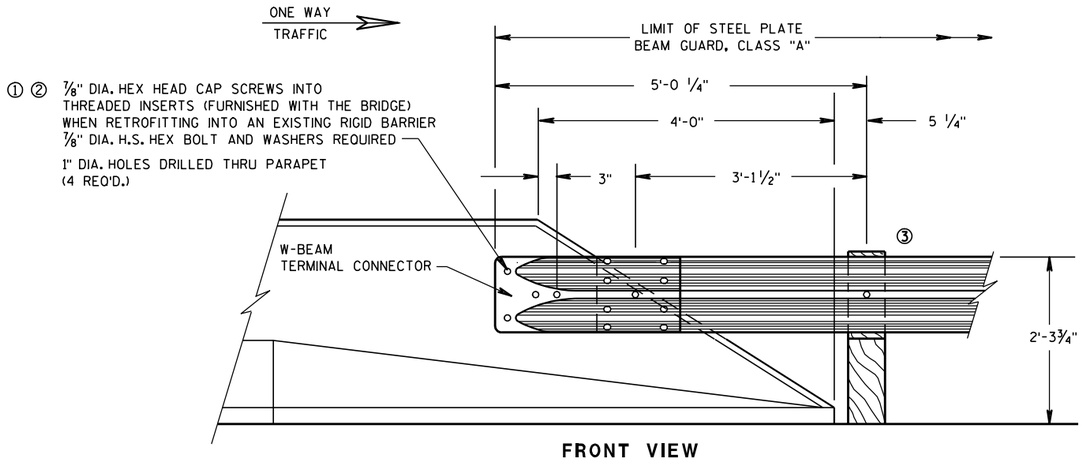
1. STEEL THRIE BEAM STRUCTURAL APPROACH (STBSA) - SEE CURRENT SDD 14B20.
2. LOCATIONS AND LENGTHS OF BEAM GUARD ARE SHOWN ELSEWHERE IN THE PLAN.



PARALLEL INSTALLATION

BEAM GUARD AT MEDIAN APPROACH TO BRIDGES

STEEL PLATE BEAM GUARD CLASS "A" AT MEDIAN APPROACH TO BRIDGES
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED 8-21-07 DATE /S/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER FHWA



FRONT VIEW

W BEAM CONNECTION TO PARAPETS WITH SLOPED ENDS

(USE ONLY AT TRAFFIC EXIT END OF ONE WAY BRIDGE)

GENERAL NOTES

THESE ARE TYPICAL CONNECTION DETAILS. ADJUST THE POSTION OF CONNECTIONS TO EXISTING BRIDGES TO FIT THE ACTUAL BRIDGE AND SITE DIMENSIONS.

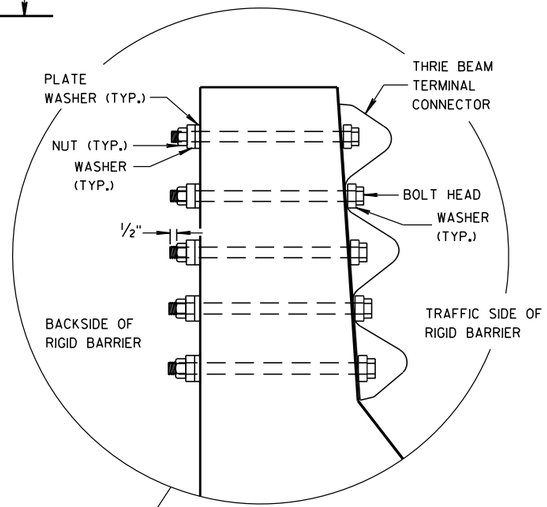
BOLTS, NUTS AND WASHERS SHALL CONFORM TO ASTM A325, A449 AND GALVANIZED PER STANDARD SPECIFICATIONS 614.

① DRILLING BOLT HOLES THROUGH THE PARAPET, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.

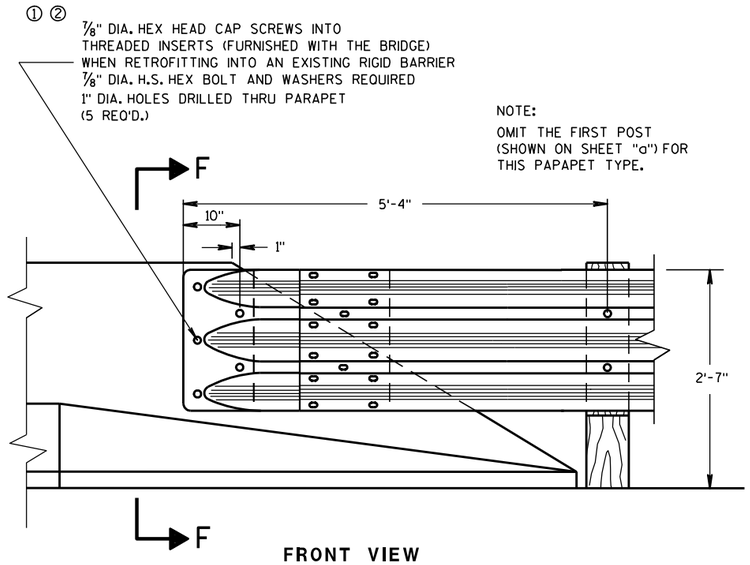
② BOLTS MAY BE A325 BOLTS OR A449 BOLTS. BOLT LENGTH AND THREADING LENGTH ARE TO ALLOW FOR A TIGHT CONNECTION BETWEEN RIGID BARRIER AND THRIE BEAM CONNECTION PLATE. CONTRACTOR IS TO FIELD VERIFY BOLT LENGTH AND THREAD LENGTH. ONE ROUND WASHER REQUIRED BETWEEN BOLT HEAD AND THRIE BEAM TERMINAL CONNECTOR. BOLTS THAT EXTEND THROUGH THE PARAPET AND OUT THE BACK FACE REQUIRE A HARDENED ROUND STEEL WASHER THAT IS 2" O.D. X 5/8" THICK AND ONE PLATE WASHER. REPAIR ANY DAMAGED CONCRETE FROM BOLT INSTALLATION.

③ W6 X 9 OR W6 X 8.5 STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS ARE ACCEPTABLE ALTERNATIVES FOR 6" X 8" WOOD POST WITH WOOD OR PLASTIC BLOCKOUTS. USE APPROVED NOTCHED PLASTIC BLOCKOUTS WITH STEEL POSTS.

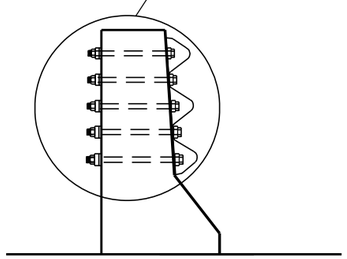
DO NOT USE STEEL POSTS AND NOTCHED PLASTIC BLOCKOUTS IN THE STEEL THRIE BEAM STRUCTURAL APPROACH AND THE TRANSITION SECTION OF STEEL PLATE BEAM GUARD, CLASS "A" INSTALLATIONS.



DRILL HOLE LOCATION AND PATTERN FOR THRIE BEAM CONNECTION



FRONT VIEW



SECTION F-F

THRIE BEAM CONNECTION TO BRIDGE PARAPETS WITH SLOPED ENDS

STEEL THRIE BEAM STRUCTURE APPROACH, CONNECTION TO SLOPED END PARAPETS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/31/2012 — DATE
/S/ Jerry H. [illegible] — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 14 B 20-11d

BILL OF MATERIALS

NOTE NO.	DESCRIPTION
①	WOOD BREAKAWAY TERMINAL POST: 5½" X 7½" X 3'-9"
②	STEEL TUBE TS 8" X 6" X 0.188", 6'-0"
④	WOOD BREAKAWAY CRT POST: 6" X 8" X 6'-0"
⑤	WOOD OFFSET BLOCKS: 6' X 8" X 1'-2"
⑥	PIPE SLEEVE: 2" X 5 ½" STANDARD PIPE
⑦	BEARING PLATE
⑧	BCT CABLE ASSEMBLY
⑨	CABLE ANCHOR BOX
⑩	STRUT & YOKE
⑪	STEEL PLATE BEAM, END PANEL 12 GA.
⑫	STEEL PLATE BEAM: 12 GA. 13'-6½"
⑬	IMPACT HEAD
⑭	0.040" ALUMINUM SHEET WITH REFLECTIVE SHEETING TYPE F PER SECTION 637 OF THE STANDARD SPECIFICATIONS

GENERAL NOTES

FOLLOW MANUFACTURE'S BOLTING RECOMMENDATIONS.

(A) THE SLOPE IN THE AREA BOUNDED BY THE GRADELINE, THE HINGE POINT LINE (HPL), AND THE CLEAR ZONE LIMITS (CZL) SHALL BE 4:1 OR FLATTER.

(B) AFTER FINAL ASSEMBLY, RECHECK CABLE TO BE SURE IT IS TAUT AND HAS NOT RELAXED.

(D) THE TOP OF THE STEEL TUBE ON POSTS 1 AND 2 SHALL NOT BE MORE THAN 3" ABOVE THE FINISH GROUND ELEVATION.

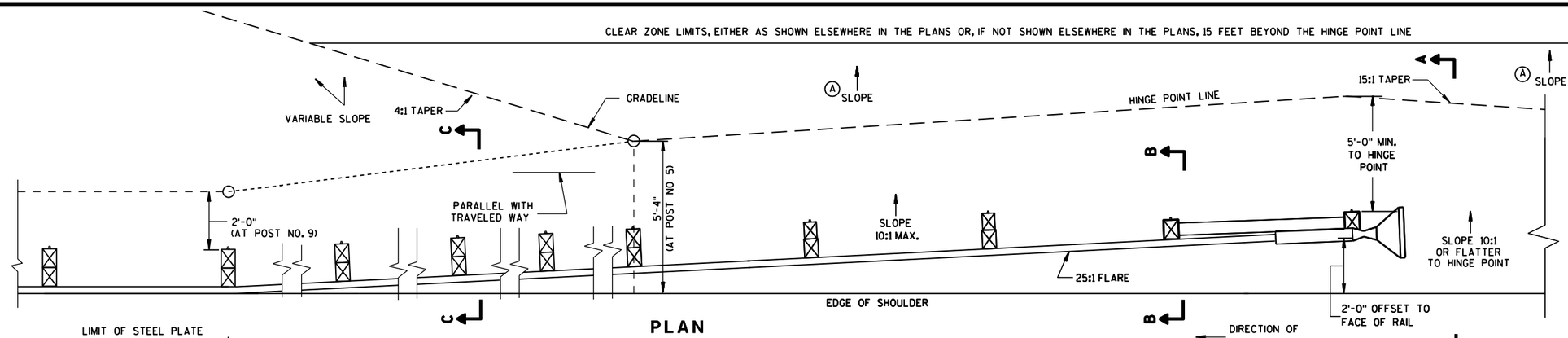
(E) THE CENTER OF THE UPPER 3½" DIAMETER HOLE ON POST 3 THROUGH 8 SHALL BE ¾" ABOVE THE FINISHED GROUND LINE.

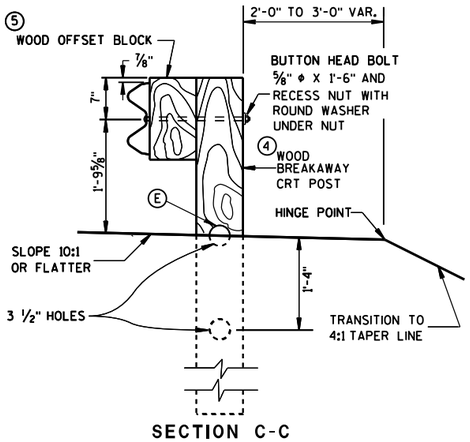
(F) ATTACH ALUMINUM SHEET TO E.A.T. HEAD USING 4 STAINLESS STEEL SELF-TAPPING SCREWS. ONE SCREW PER CORNER.

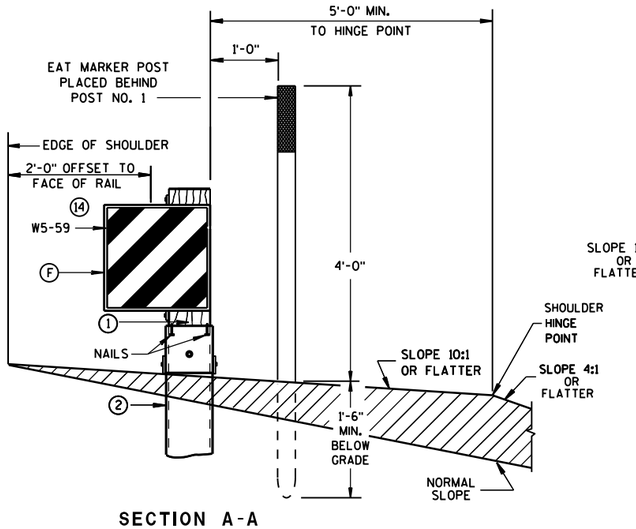
STEEL POSTS SHALL NOT BE ALLOWED FOR USE WITH ENERGY ABSORBING TERMINALS.

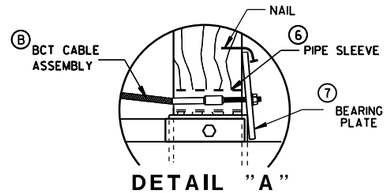
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

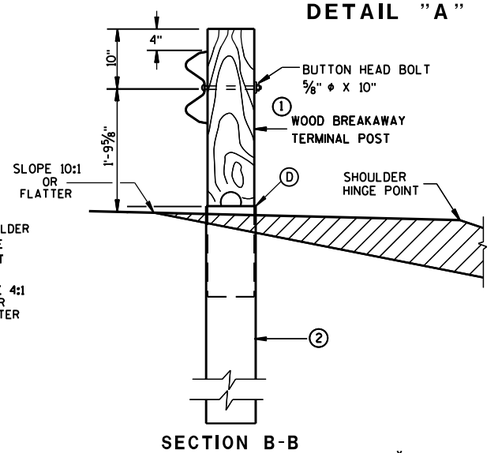
* DO NOT ATTACH BLOCKOUTS TO POSTS 1 AND 2.

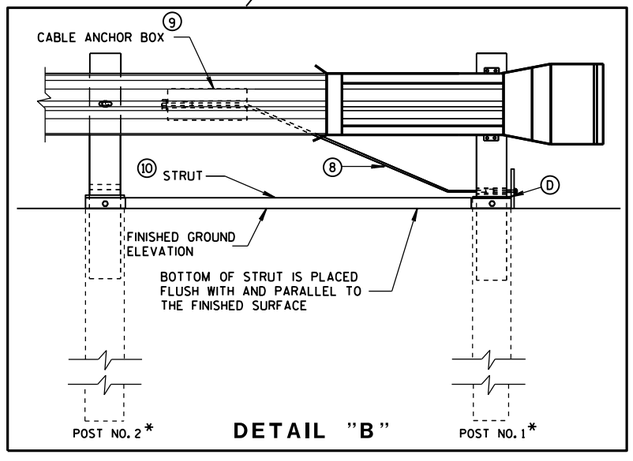










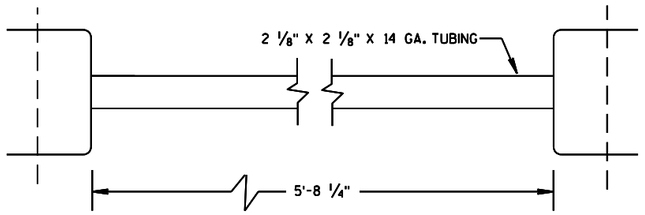


STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL

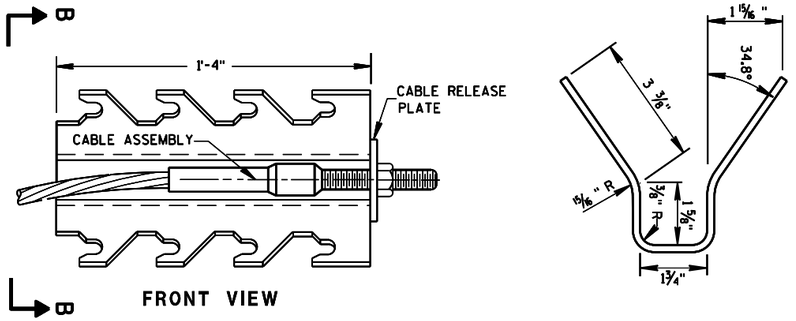
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

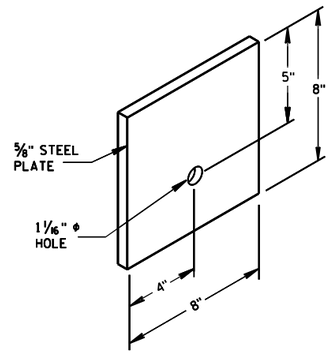
S.D.D. 14 B 24-9a



⑩ STRUT DETAIL



⑨ CABLE ANCHOR BOX



⑦ STEEL BEARING PLATE

6

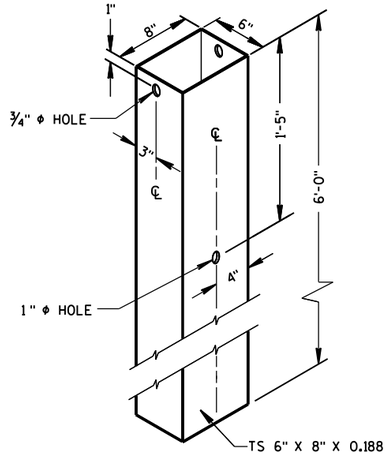
6

S.D.D. 14 B 24-9b

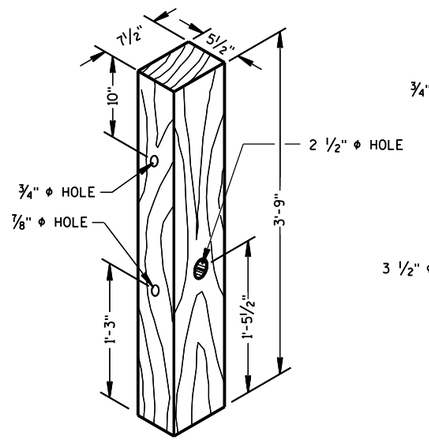
S.D.D. 14 B 24-9b

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

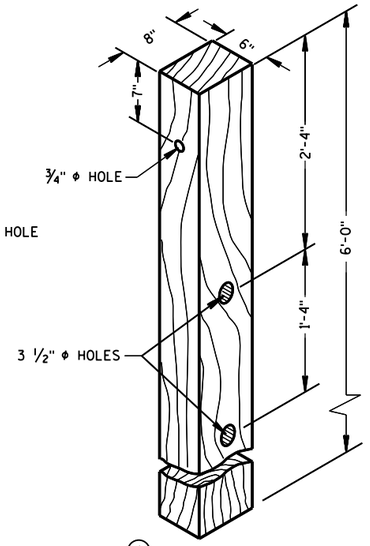
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI



② 72" STEEL TUBE
(POSTS NO. 1-2



① TERMINAL POST

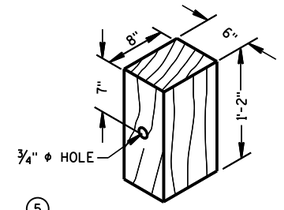


④ CRT POST
(POSTS NO'S 5-8

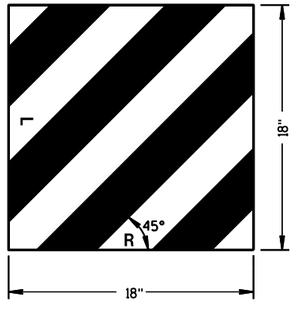
WOOD BREAKAWAY POSTS

GENERAL NOTES

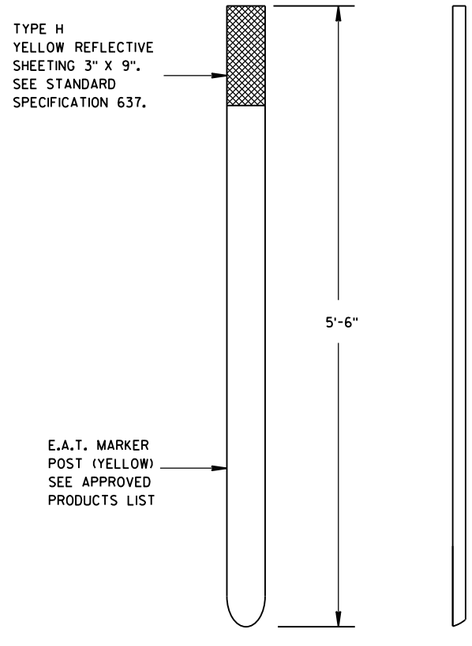
WHEN ROCK IS ENCOUNTERED DURING EXCAVATION, A 12 INCH DIA. POST HOLE EXTENDING 20 INCHES DEEP INTO THE ROCK MAY BE USED IF APPROVED BY THE ENGINEER. GRANULAR MATERIAL SHALL BE PLACED IN THE BOTTOM OF THE HOLE APPROXIMATELY 2 ½" INCHES DEEP TO PROVIDE DRAINAGE. THE SOIL TUBES SHALL BE FIELD CUT TO LENGTH, PLACED IN THE HOLE AND BACKFILLED WITH ADEQUATELY COMPACTED MATERIAL EXCAVATED FROM THE HOLE.



⑤ WOOD OFFSET BLOCK
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



⑭ REFLECTIVE SHEETING DETAILS



E.A.T. MARKER POST

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
FHWA

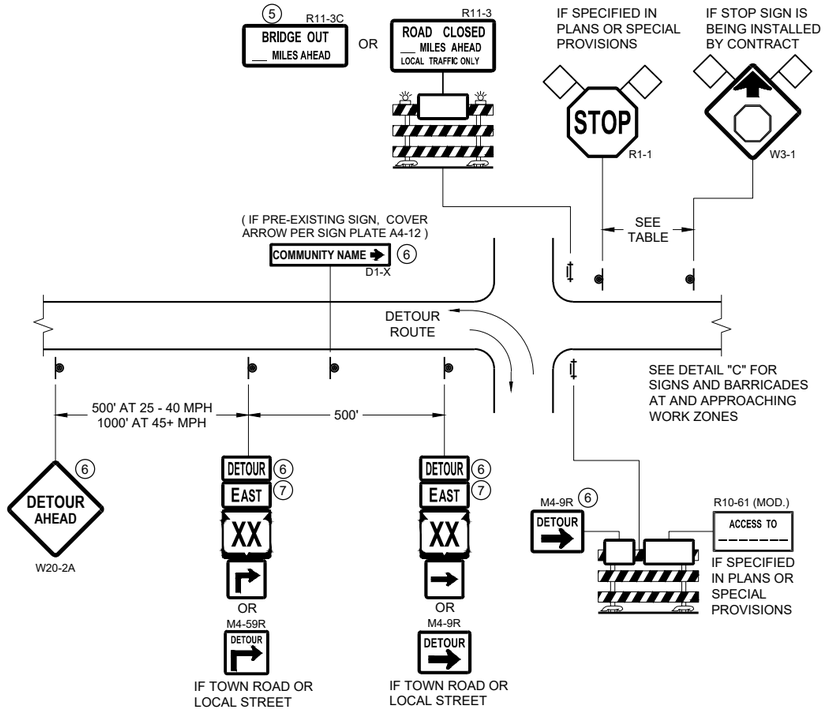
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERV.
ENT

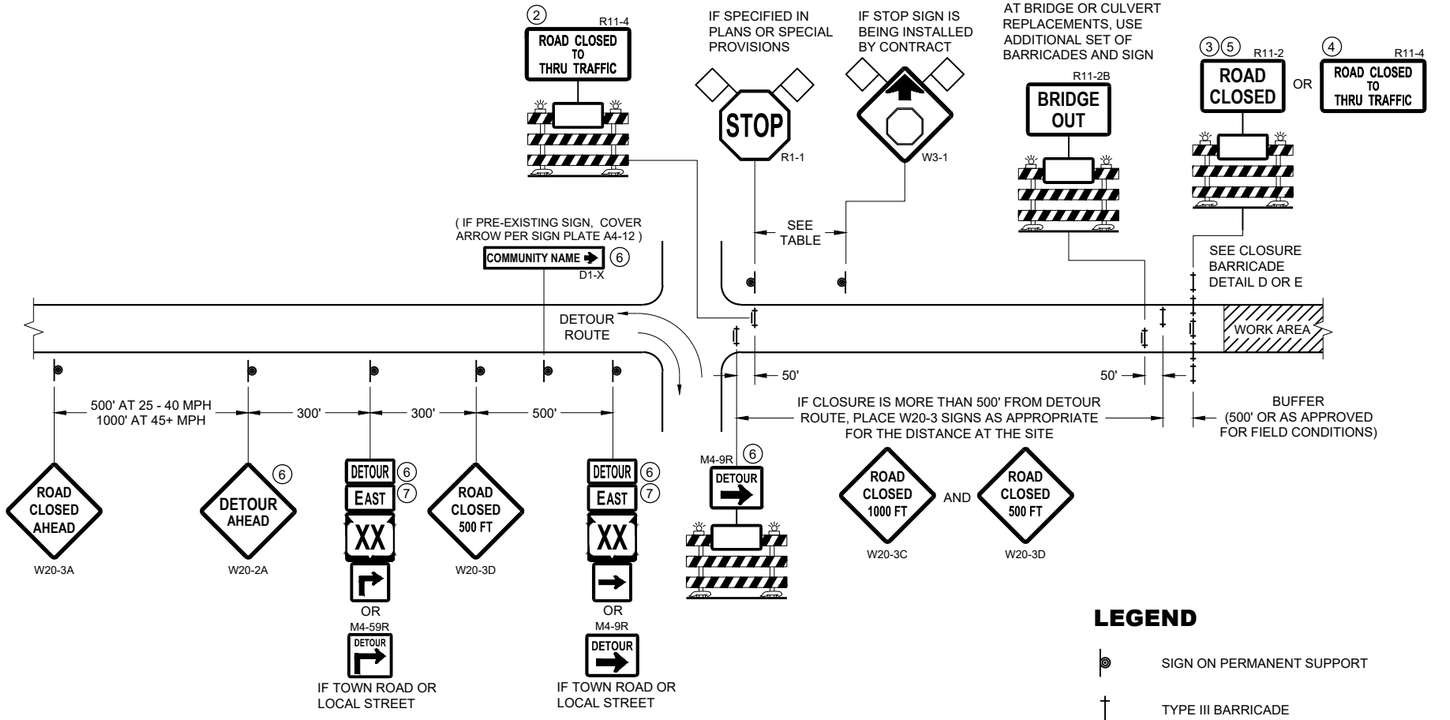
6

S.D.D. 14 B 24-9c

6

S.D.D. 14 B 24-9c



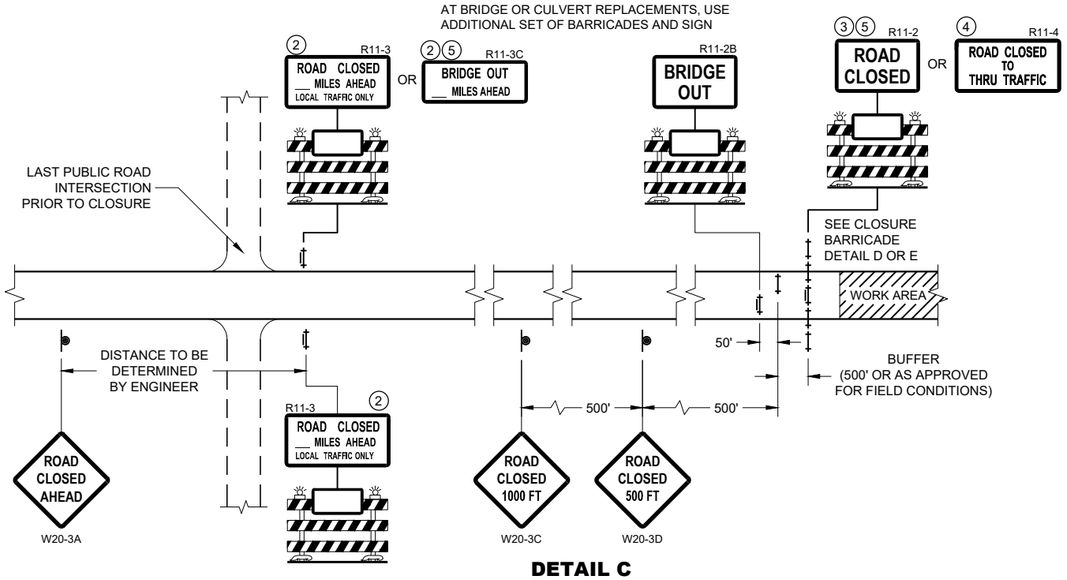


DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

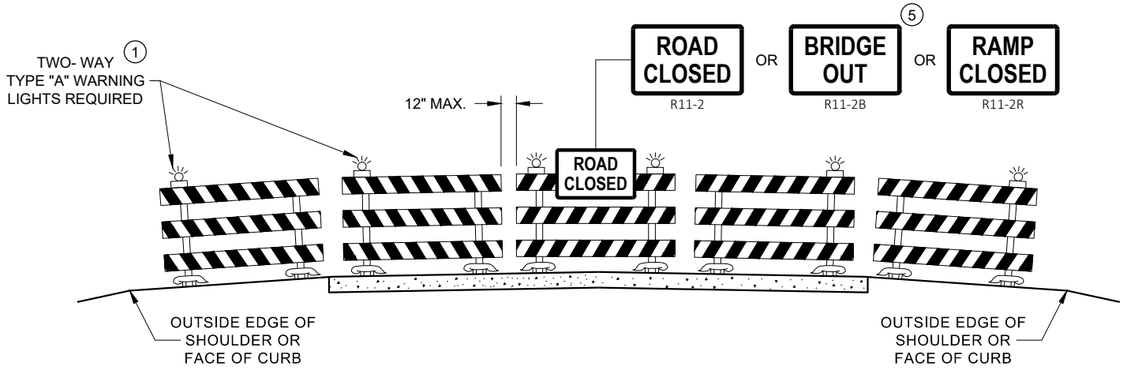
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

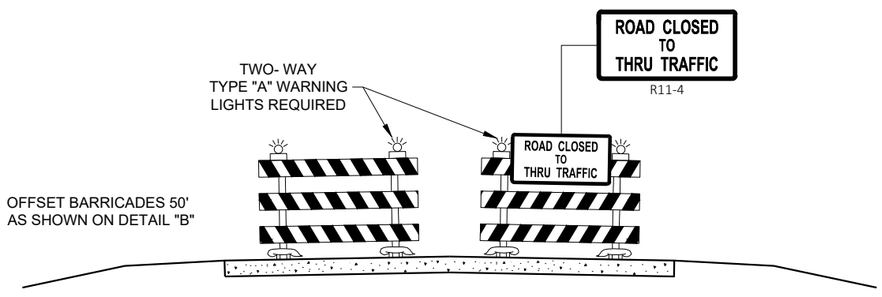
6

SDD 15C02 - 08a

SDD 15C02 - 08a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

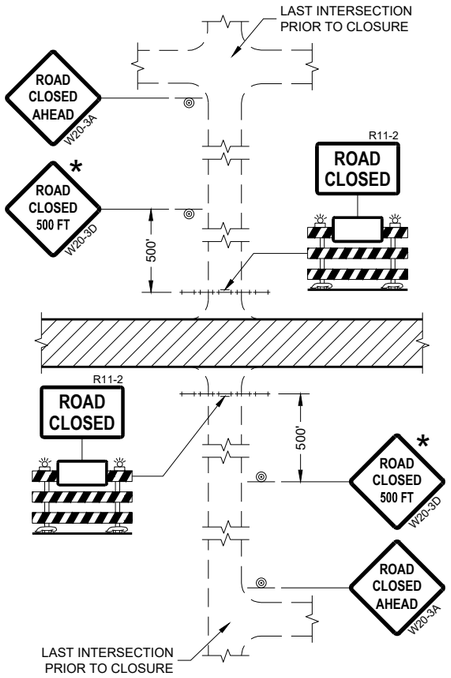
BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

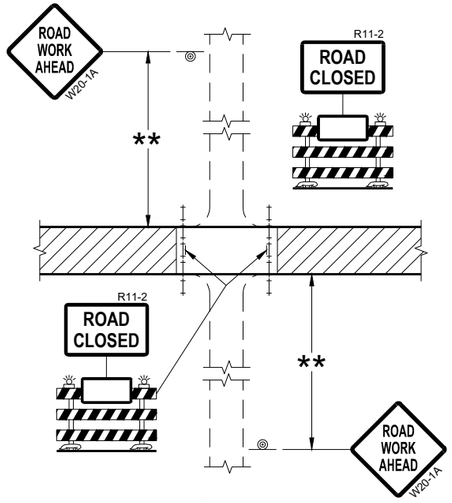
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 08b



DETAIL 1
(NO ACCESS TO PROJECT)



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

GENERAL NOTES

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

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

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

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

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

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

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

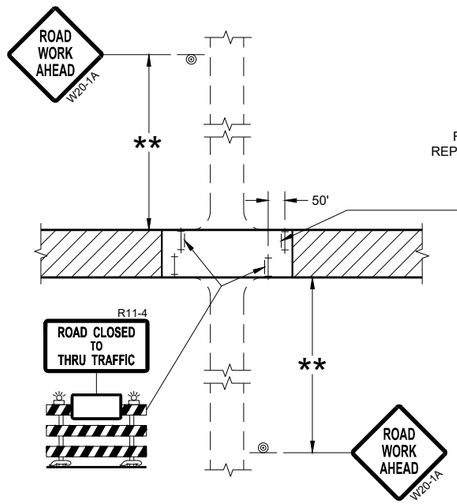
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

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

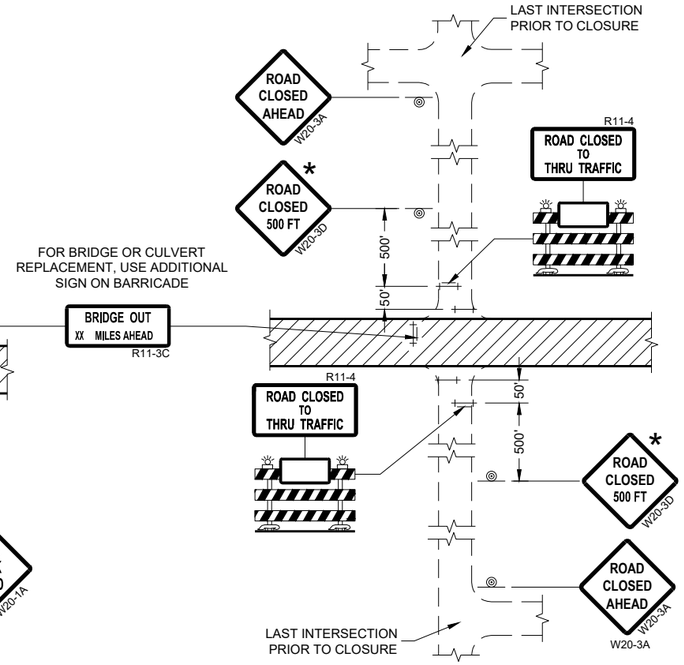
ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

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

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



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



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

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

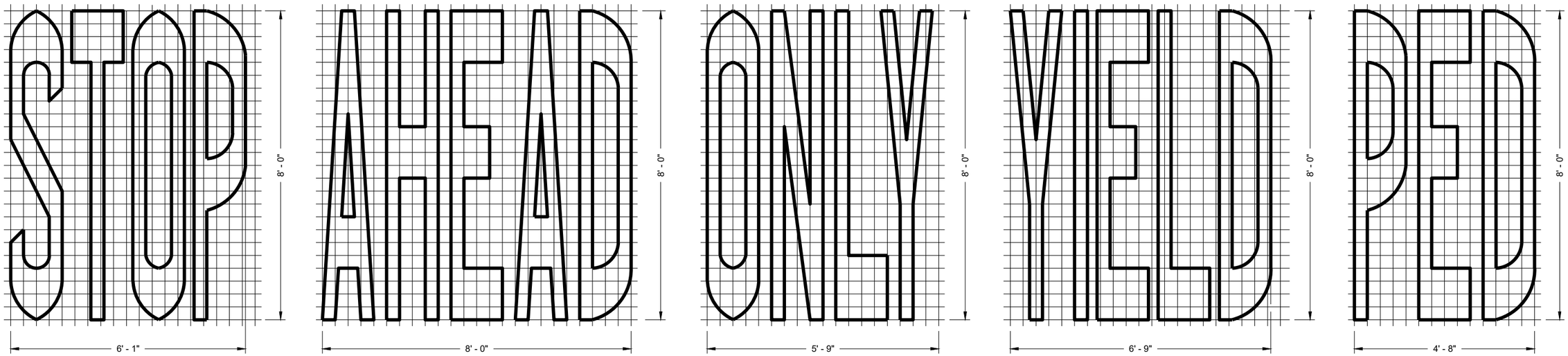
/S/ Andrew Heidtke
WORK ZONE ENGINEE

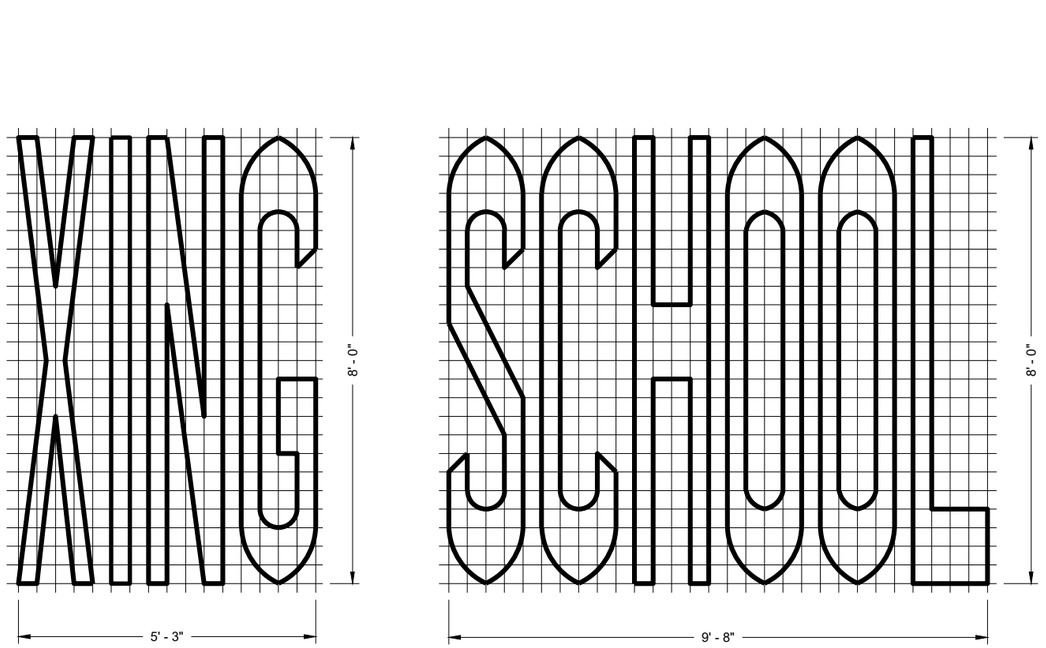
FHWA

6

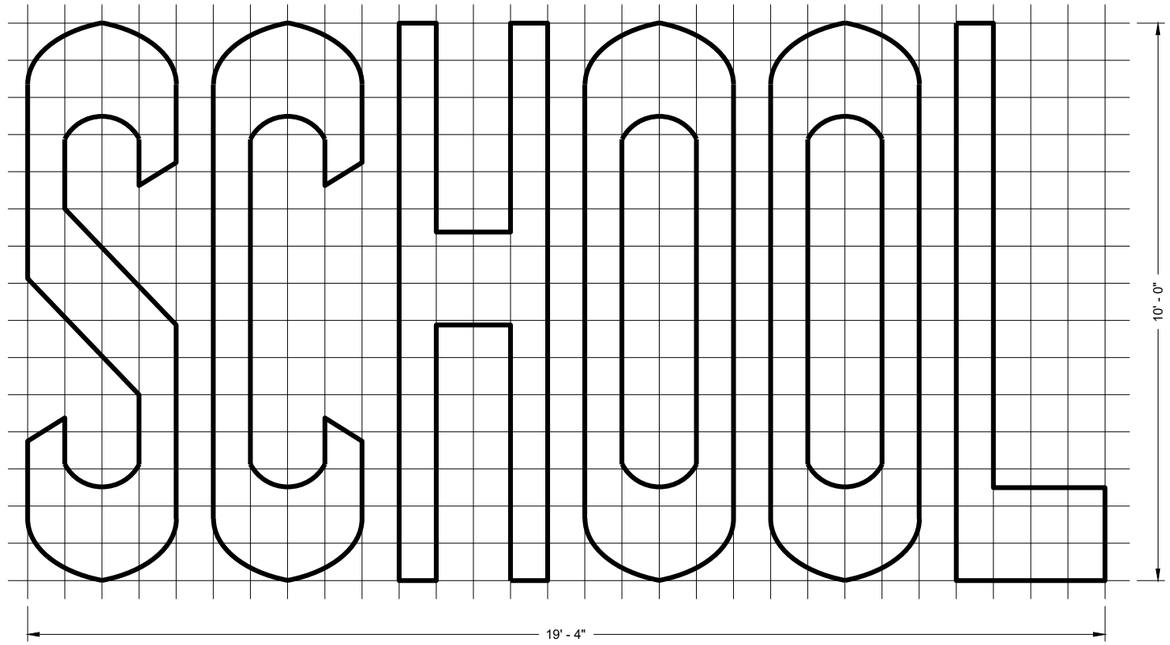
SDD 15C03 - 05

SDD 15C03 - 05





SINGLE LANE



TWO - LANE

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 WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

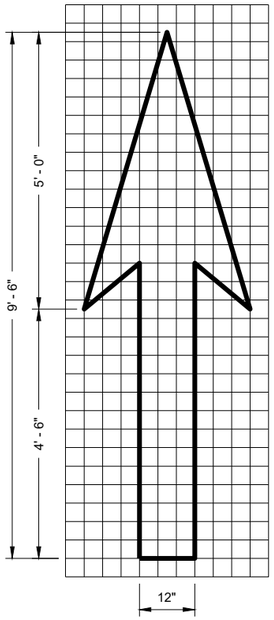
6

SDD 15C07 - 15b

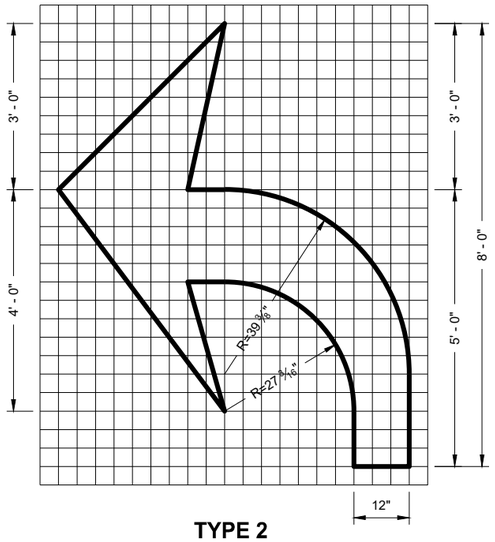
SDD 15C07 - 15b

GENERAL NOTES

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



TYPE 1



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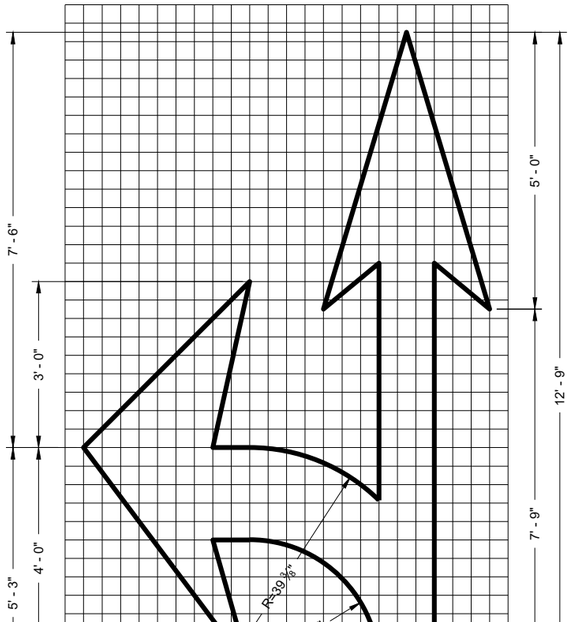
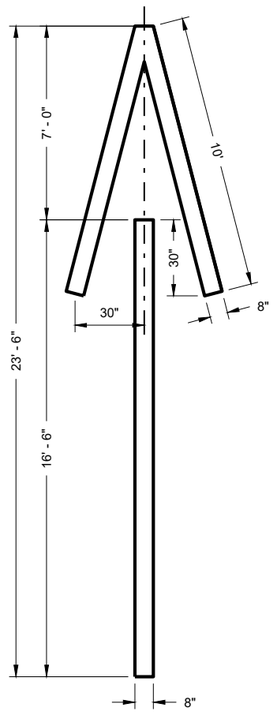
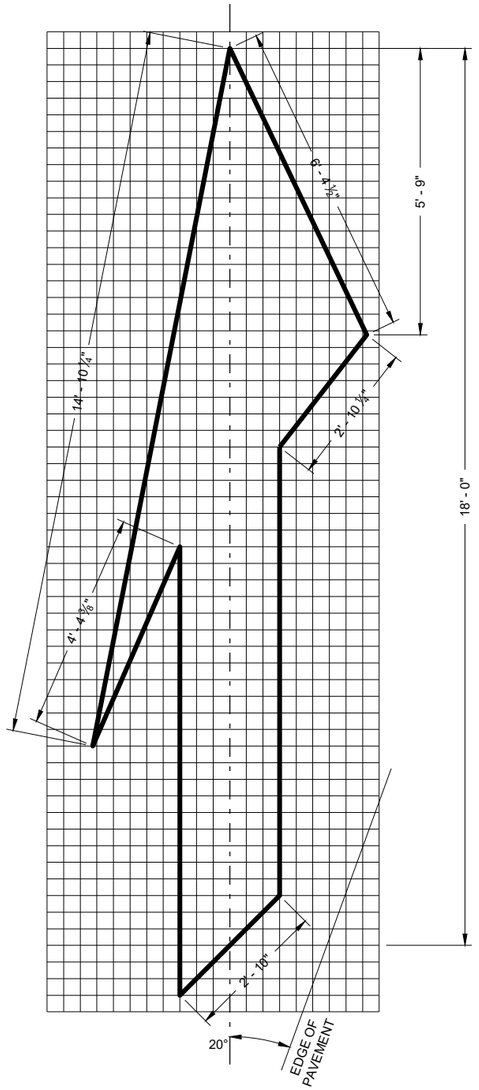


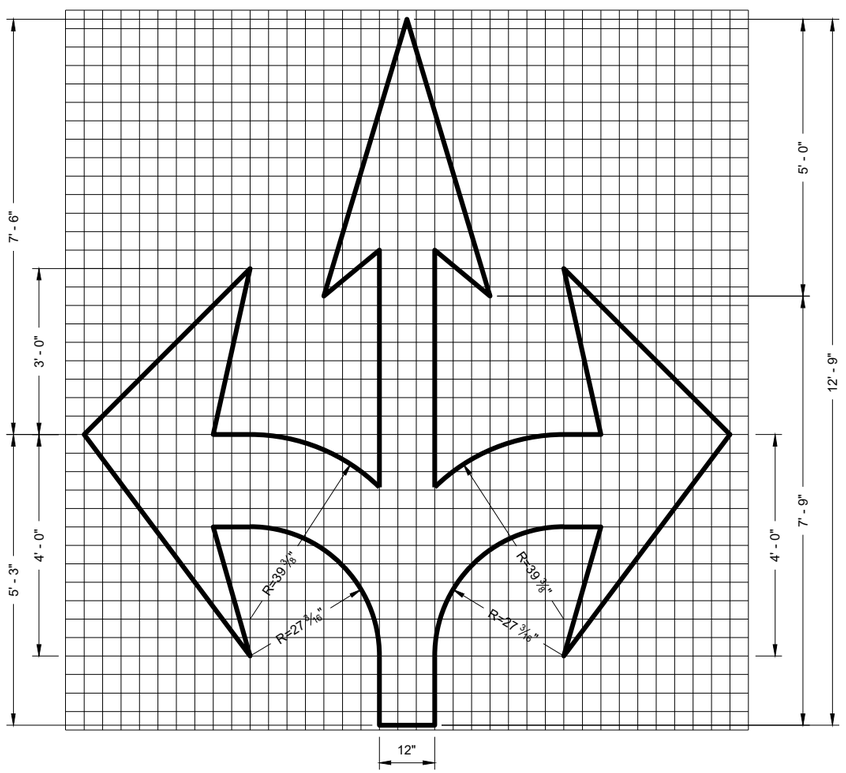
TYPE 3



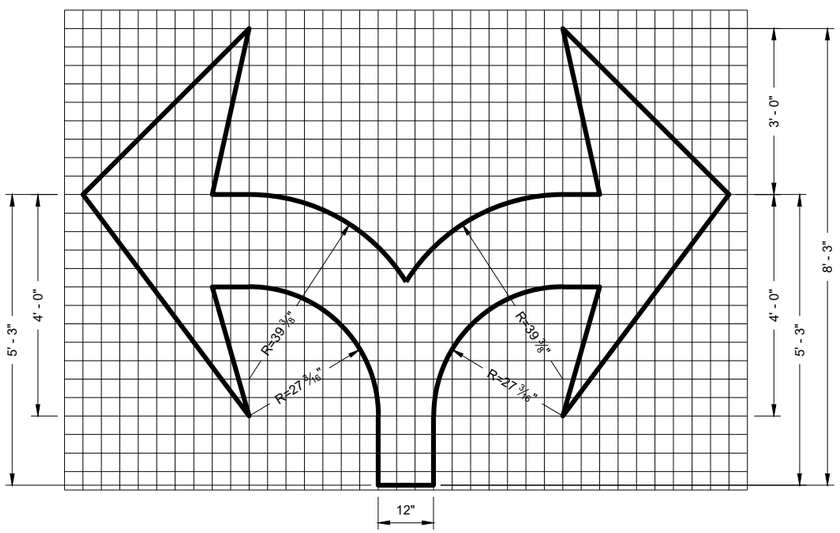
TYPE 4



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

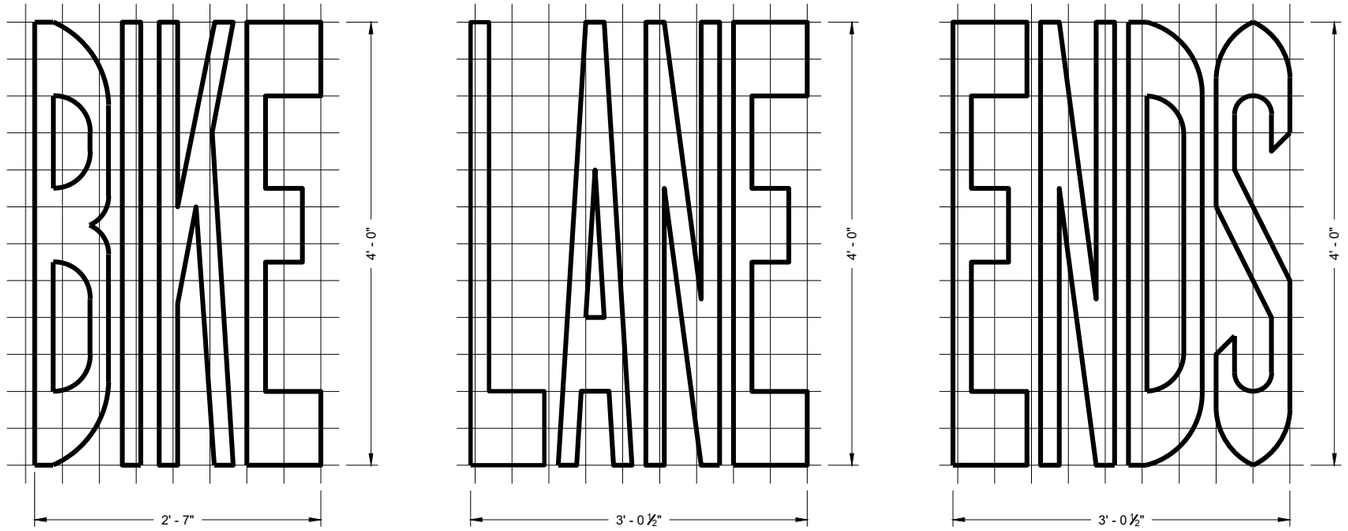
6

SDD 15C07 - 15c

6

SDD 15C07 - 15c

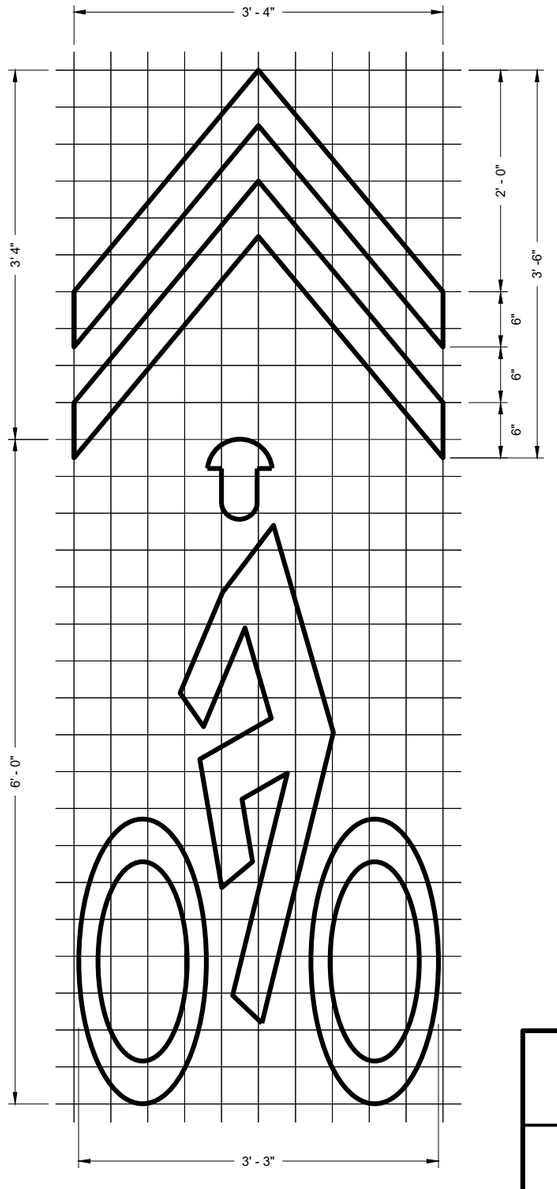
SDD 15C7-e Pavement Marking For Bike Lanes

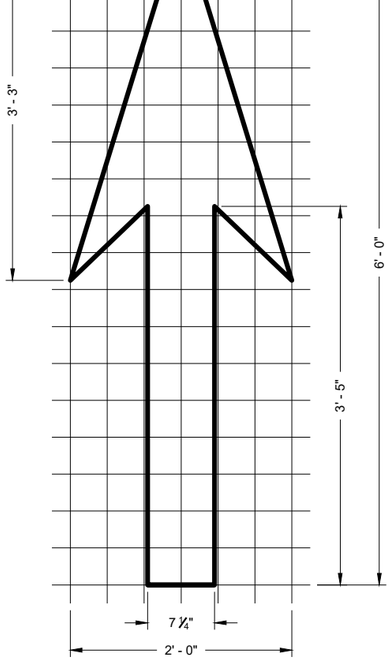


BIKE LANE WORDS

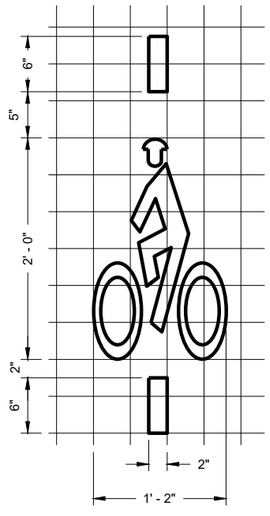
GENERAL NOTES

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

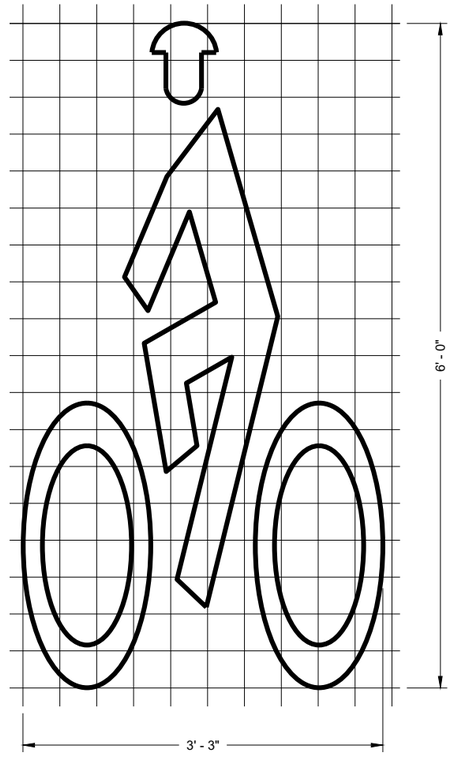




BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING



BIKE LANE SYMBOL

BIKE LANE SYMBOL FOR SHARED LANE

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER
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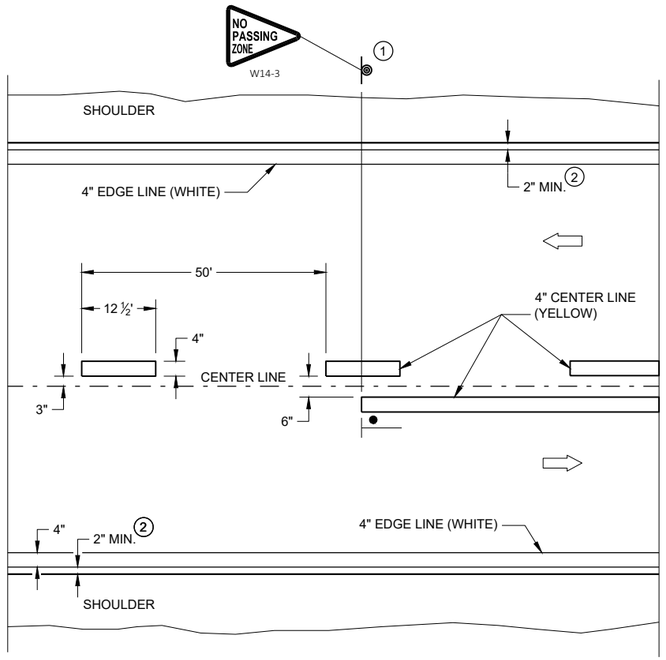
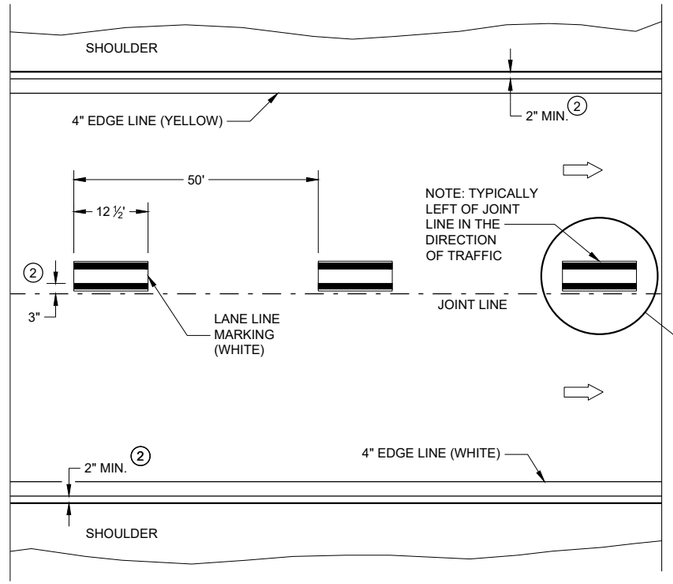
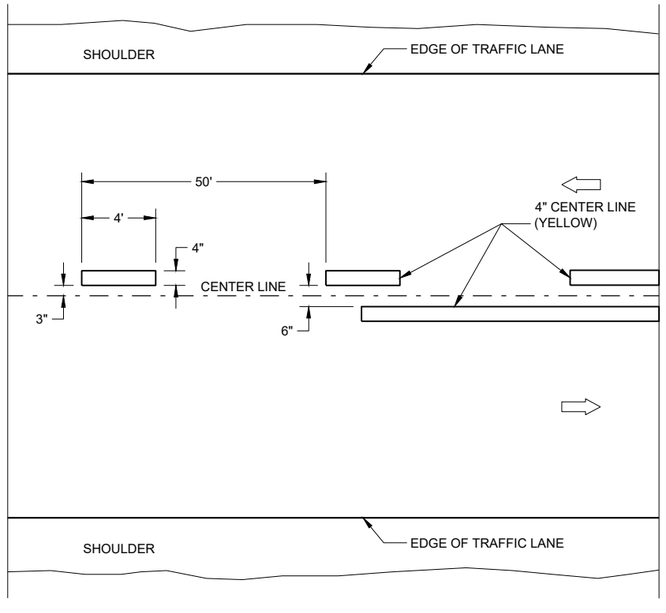


TWO WAY TRAFFIC

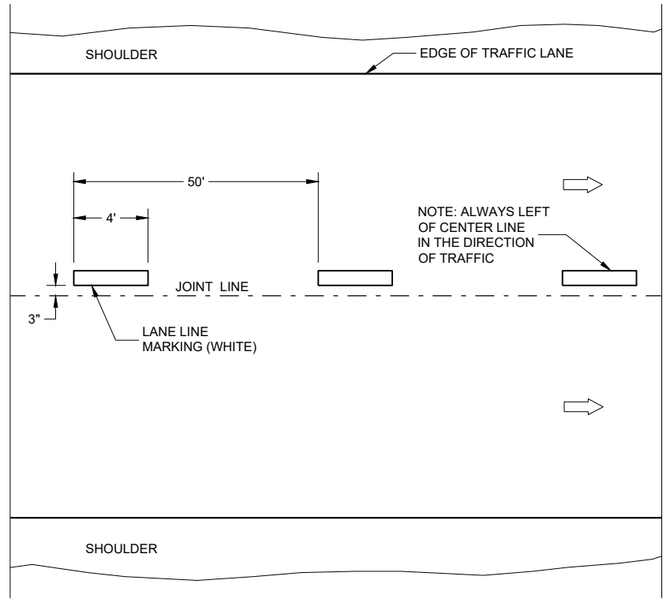


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NO SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

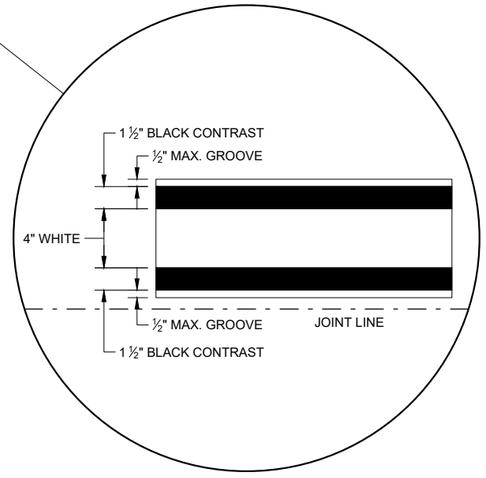
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE
/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

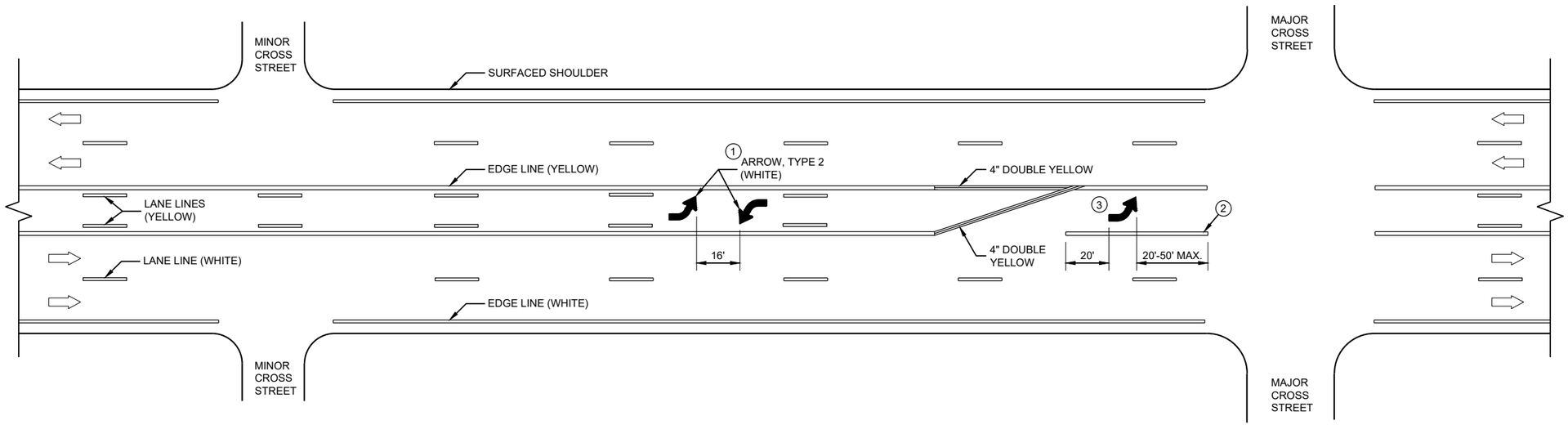
SDD 15C08 - 20a

SDD 15C08 - 20a

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)

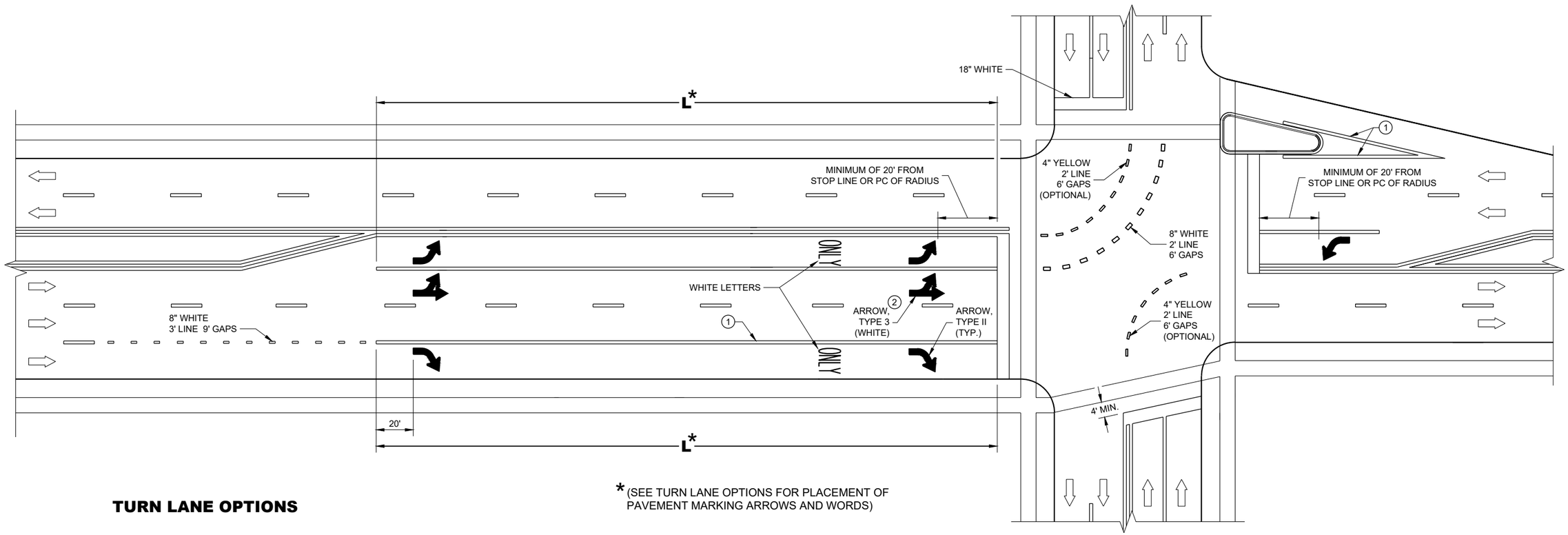
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20b

6

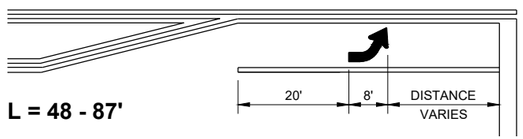
SDD 15C08 - 20b



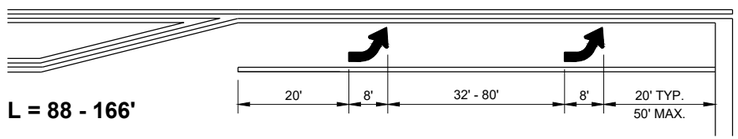
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

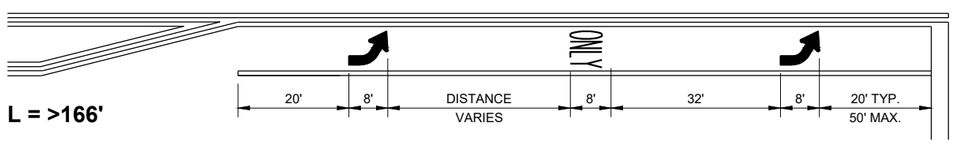
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

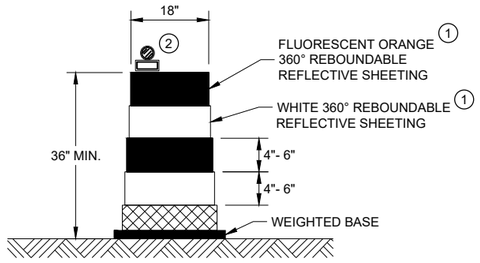
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

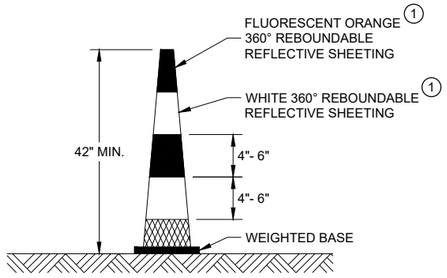
SDD 15C08 - 20c

GENERAL NOTES

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

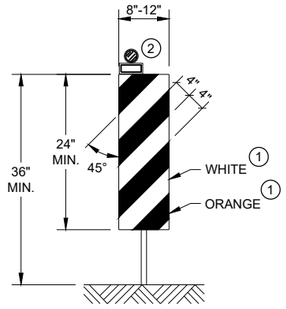


DRUM



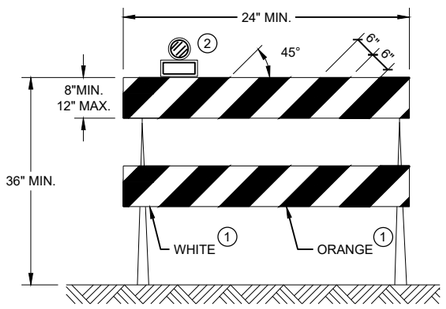
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



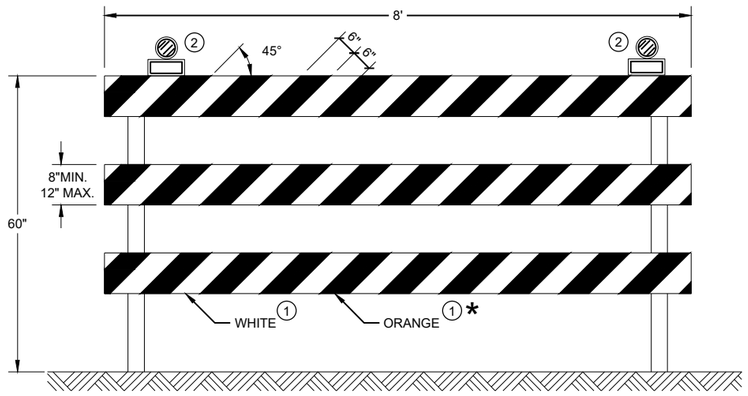
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 07b

6

SDD 15C11 - 07b

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.

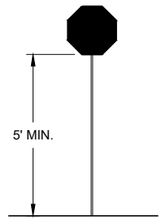
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS SPACED ACCORDING TO MANUFACTURER'S RECOMMENDATION, PLACED TRANSVERSE ACROSS THE LANE AT LOCATIONS SHOWN.

ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FOR 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.



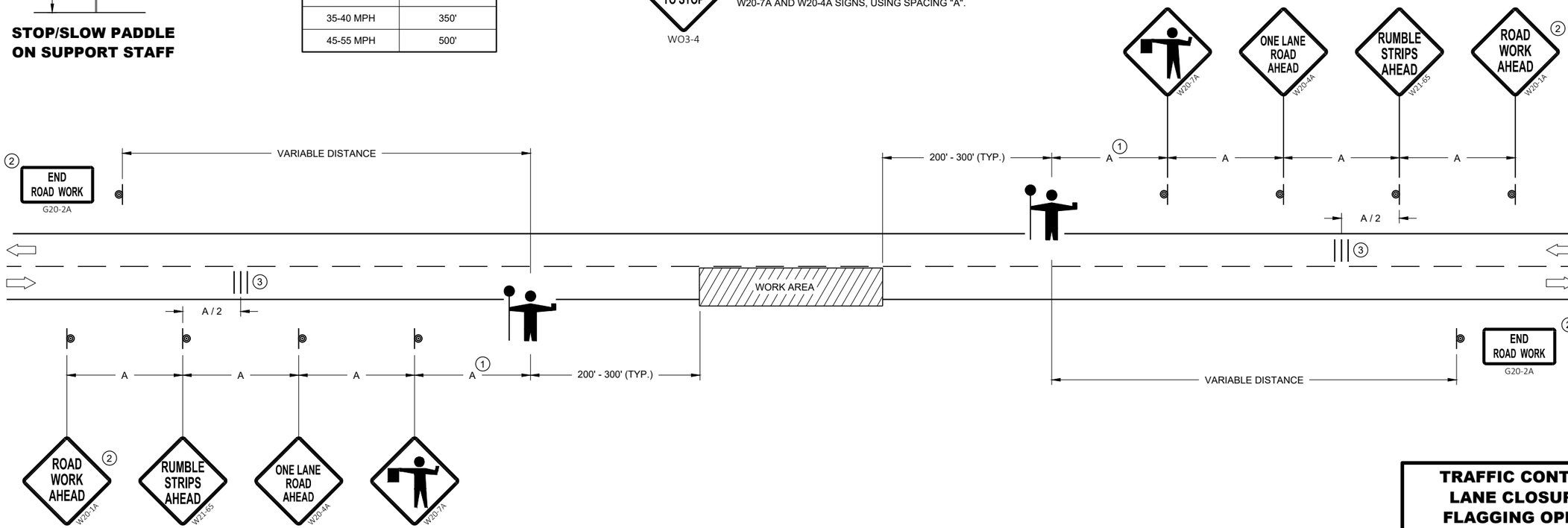
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

WO3-4

USE OF WO3-4 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

TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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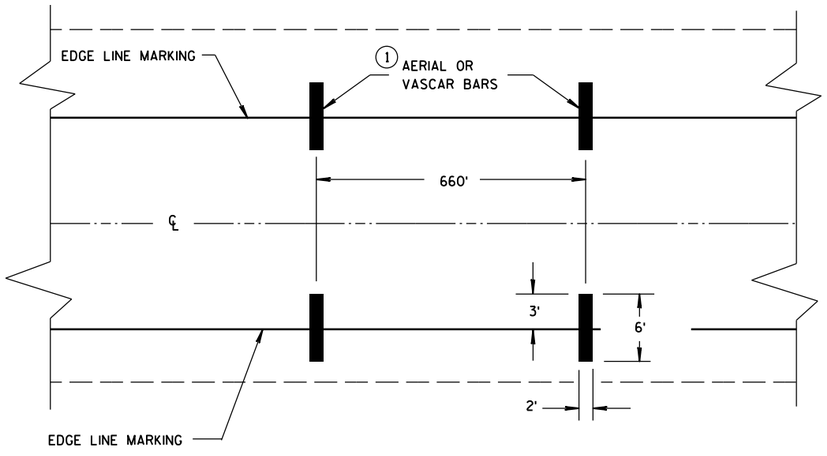
SDD 15C12 - 07

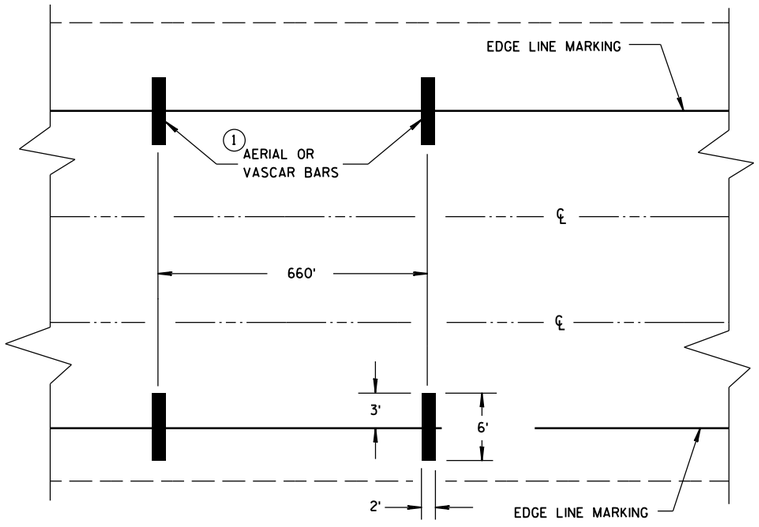
GENERAL NOTES

(1) PLACE TWO TO FIVE AERIAL OR VASCAR BARS AT 660 FOOT SPACING.

A CAR CAN BE PROVIDED BY THE WISCONSIN STATE PATROL FOR TRAFFIC CONTROL.



TYPICAL FOR TWO WAY OR ONE WAY TRAFFIC



TYPICAL FOR MULTILANE TRAFFIC

SPEED ENFORCEMENT ZONE WITH AERIAL OR VASCAR BARS

6

S.D.D. 15 C 14-3

AERIAL ENFORCEMENT BARS
PAVEMENT MARKING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MAR[illegible]INEER
FHWA

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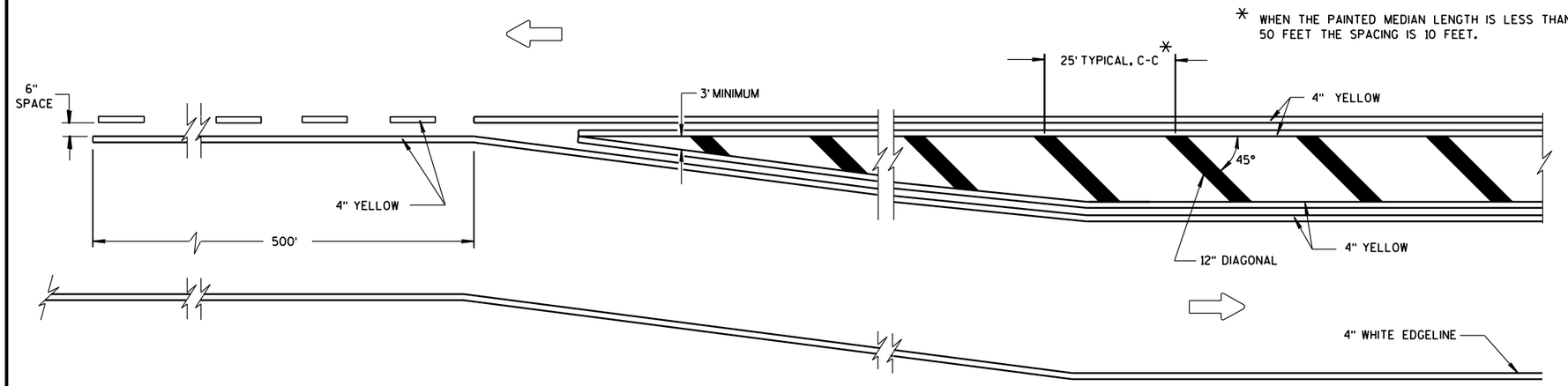
S.D.D. 15 C 14-3

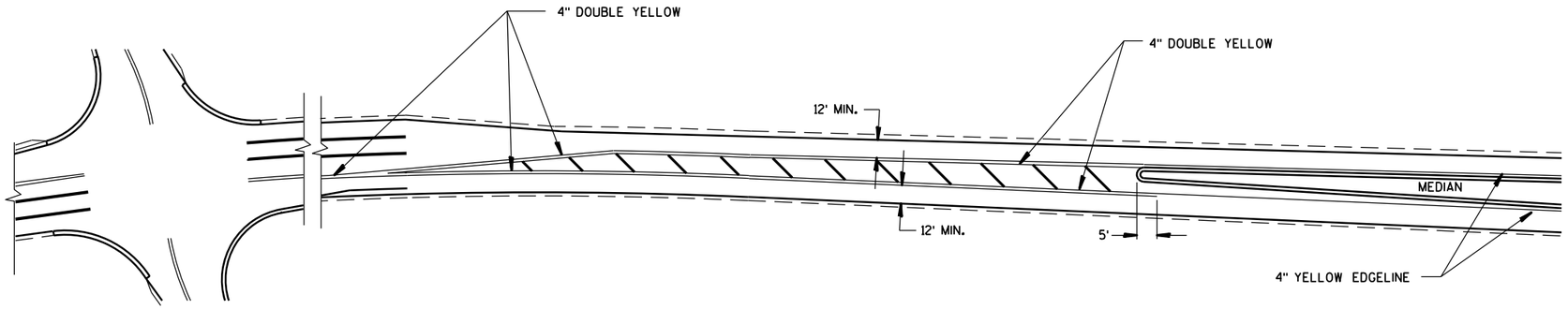


MEDIAN ISLAND DETAIL

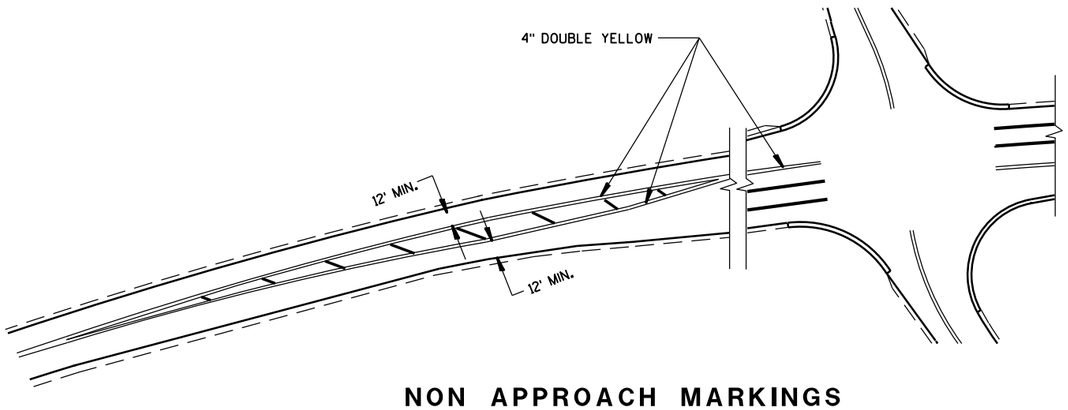
GENERAL NOTE

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

MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE FHWA	/S/ Matthew Rauch STATE SIGNING AND MARK 334 EER

6

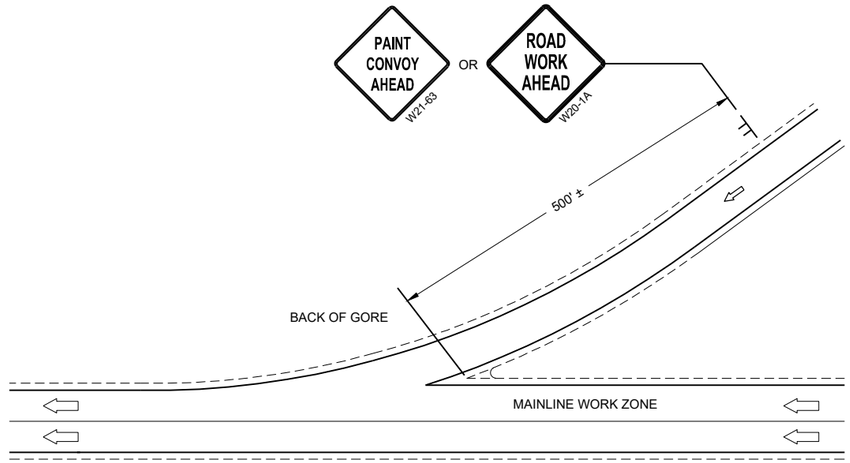
S.D.D. 15 C 18-4

6

S.D.D. 15 C 18-4

LEGEND

- V1 MARKING VEHICLE
- V2 SHADOW VEHICLE
- V3 TRAIL VEHICLE
- TRUCK MOUNTED ATTENUATOR (TMA)
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW PANEL (MERGE)
- FLASHING ARROW PANEL (CAUTION)



GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

ALL VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL AND HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

WHEN WORK ACTIVITY BLOCKS THE LEFT LANE, REVERSE TRAFFIC CONTROL.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, PROVIDE ADDITIONAL TRAFFIC CONTROLS AS SPECIFIED IN THE CONTRACT OR AS APPROVED BY THE ENGINEER.

USE AN ATTENUATOR ON THE REARMOST VEHICLE THAT BLOCKS ALL OR PART OF THE TRAFFIC LANE.

IF THE SHOULDER IS TOO NARROW TO ACCOMMODATE THE LAST TRAILING VEHICLE, THE VEHICLE SHOULD STRADDLE THE EDGE LINE.

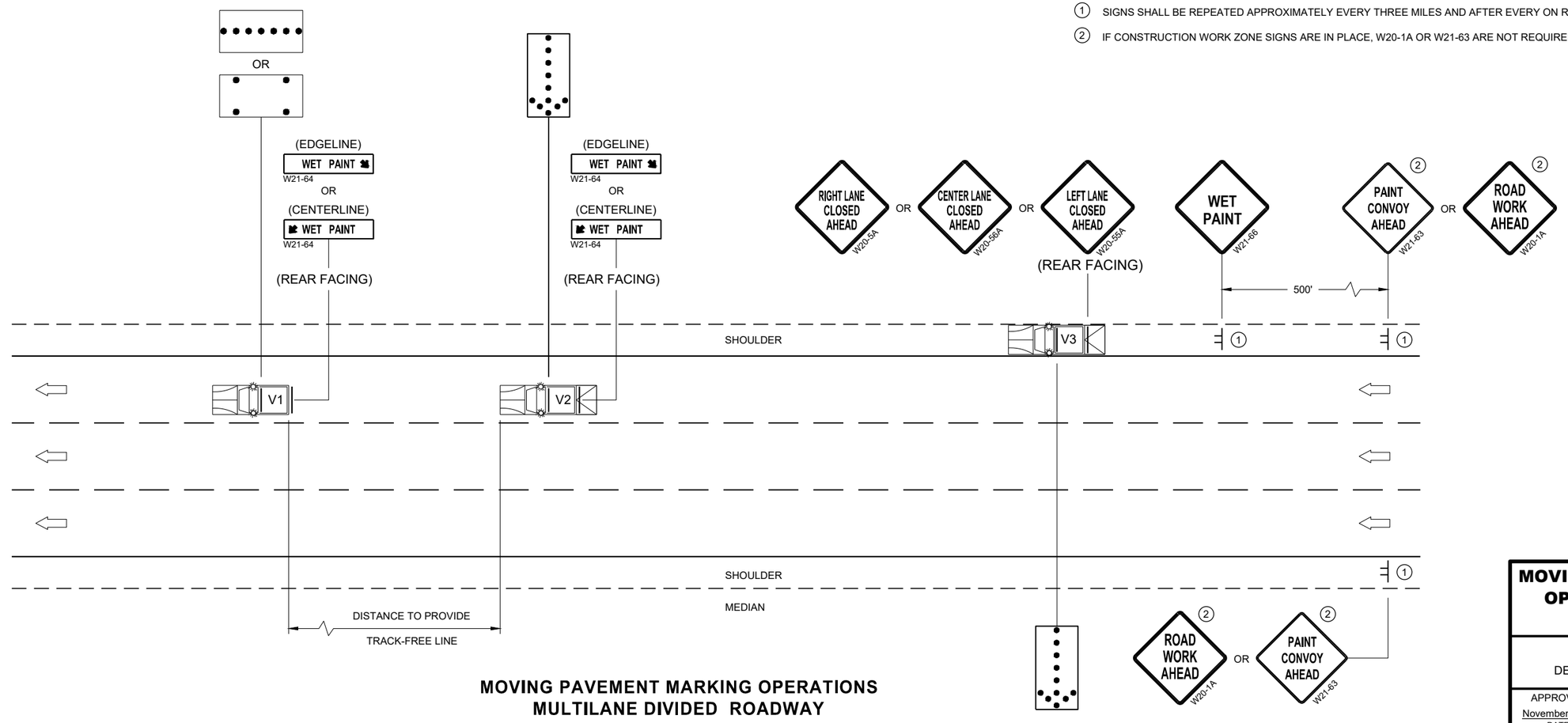
WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR LAY STATIONARY SIGNS AND SUPPORTS FLAT ON THE GRADE WITH UPRIGHTS ORIENTED PARALLEL TO AND DOWNSTREAM FROM TRAFFIC

CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

CONES SHALL BE A MINIMUM HEIGHT OF 18" FOR WET PAVEMENT MARKINGS

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY ON RAMP.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.



MOVING PAVEMENT MARKING OPERATIONS
MULTILANE DIVIDED ROADWAY

MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C19 - 06c

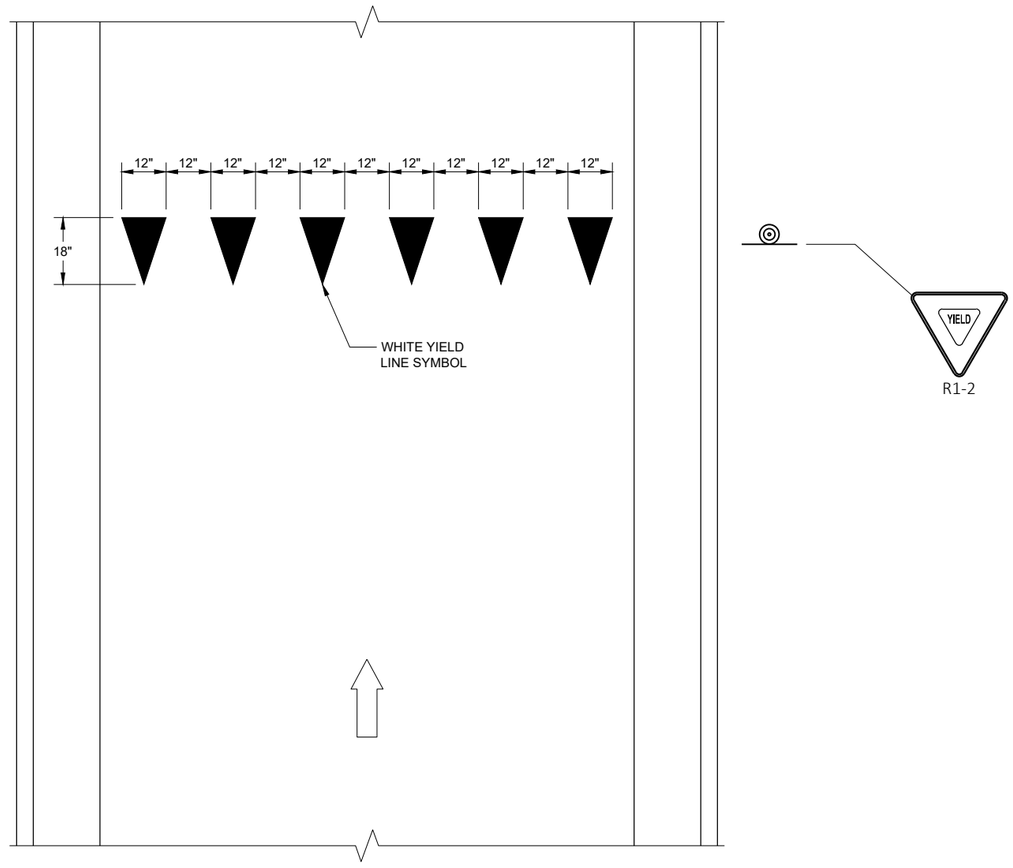
6

SDD 15C19 - 06c

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAVEL



R1-2

YIELD LINE

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

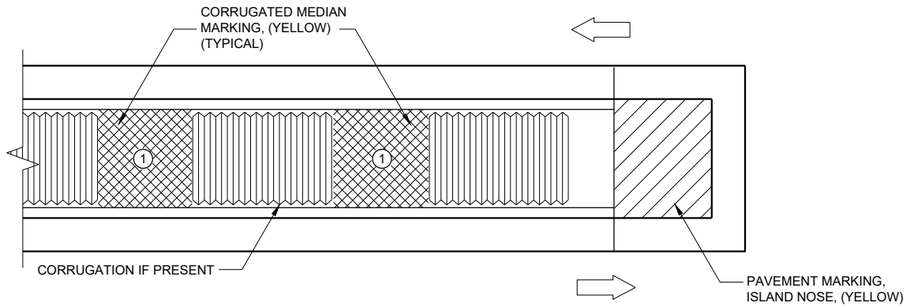
4-81-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

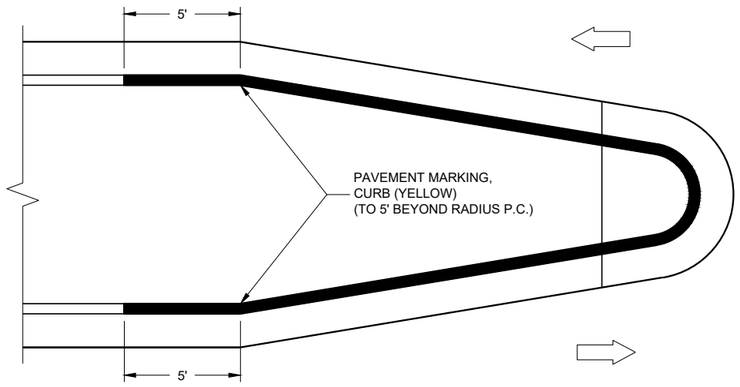
FHWA

6

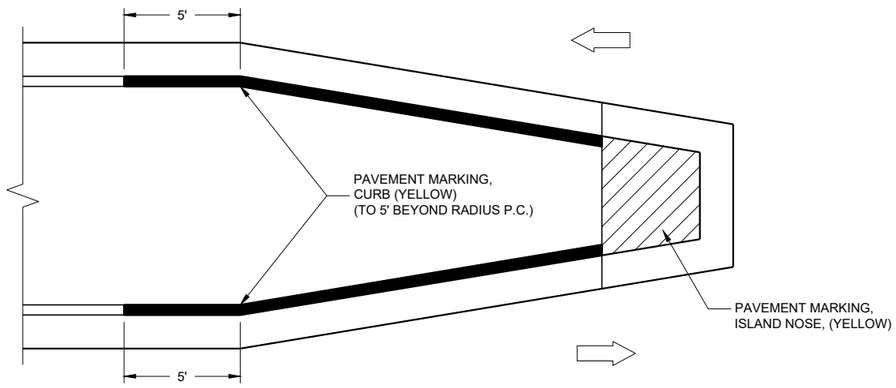
SDD 15C20 - 02



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.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

PAVEMENT MARKINGS
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD 15C27 - 03b

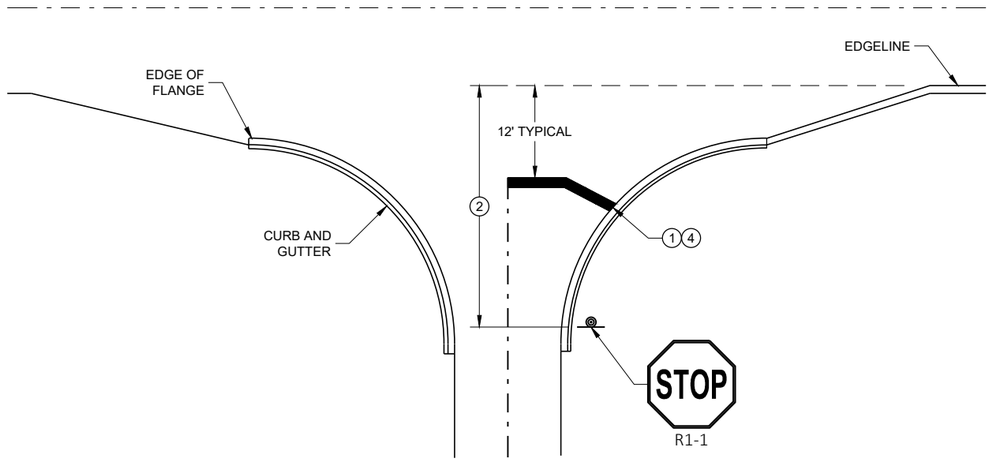
6

SDD15C27 - 03b

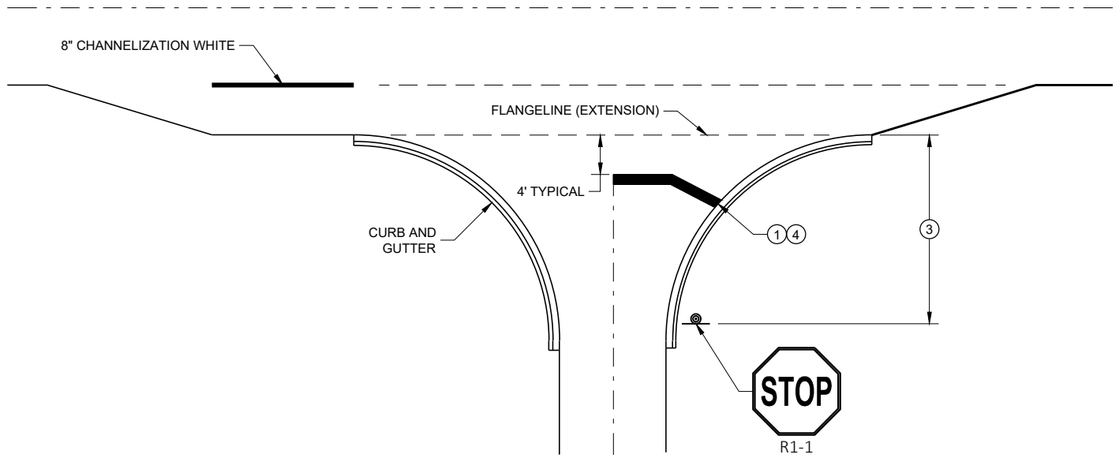
GENERAL NOTES

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

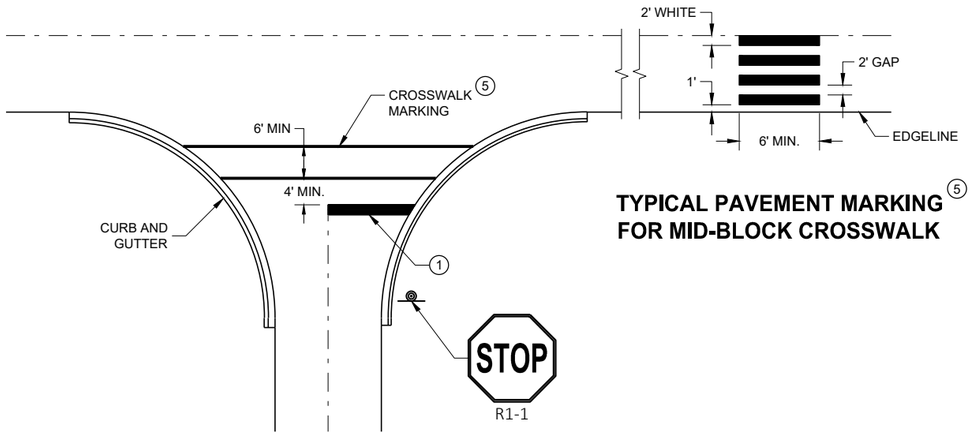
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

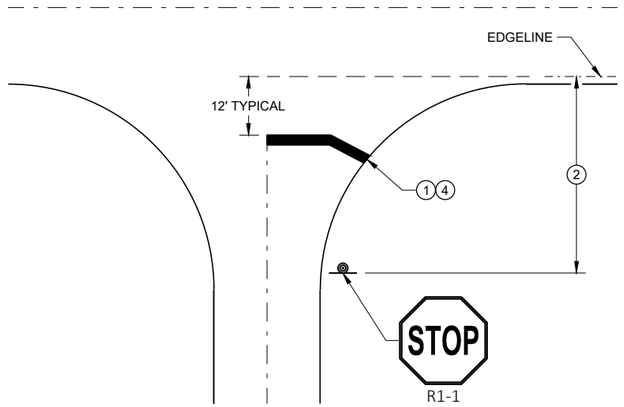


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C33 - 04

6

SDD 15C33 - 04

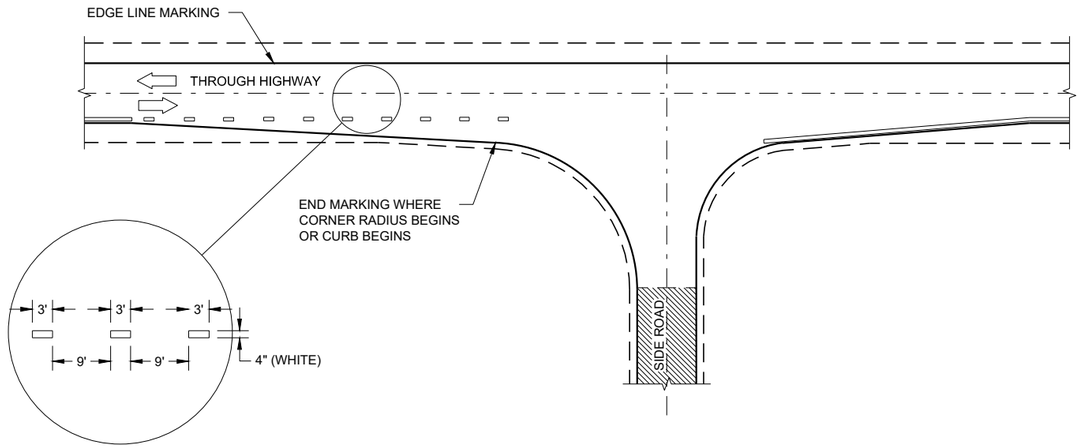
GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

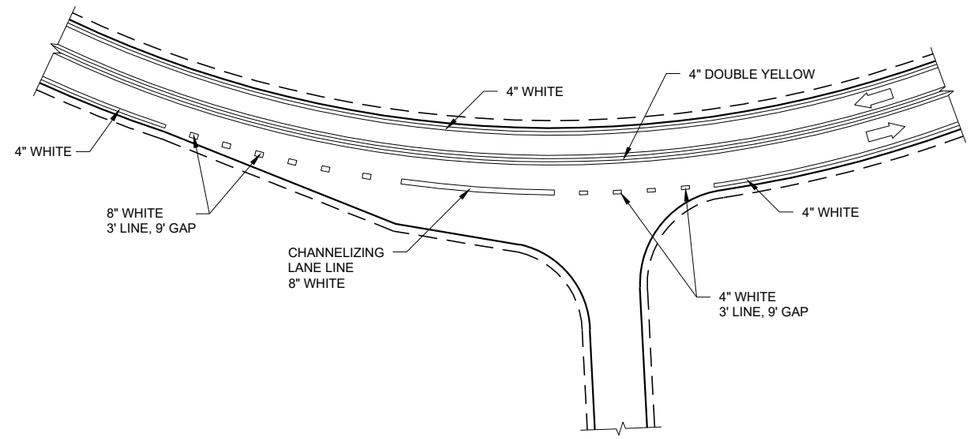
1. WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
2. WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
3. BARRIER LINE ENDS AT SIDE ROAD PAVEMENT / SURFACE EDGE EXTENSION.
4. BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

LEGEND

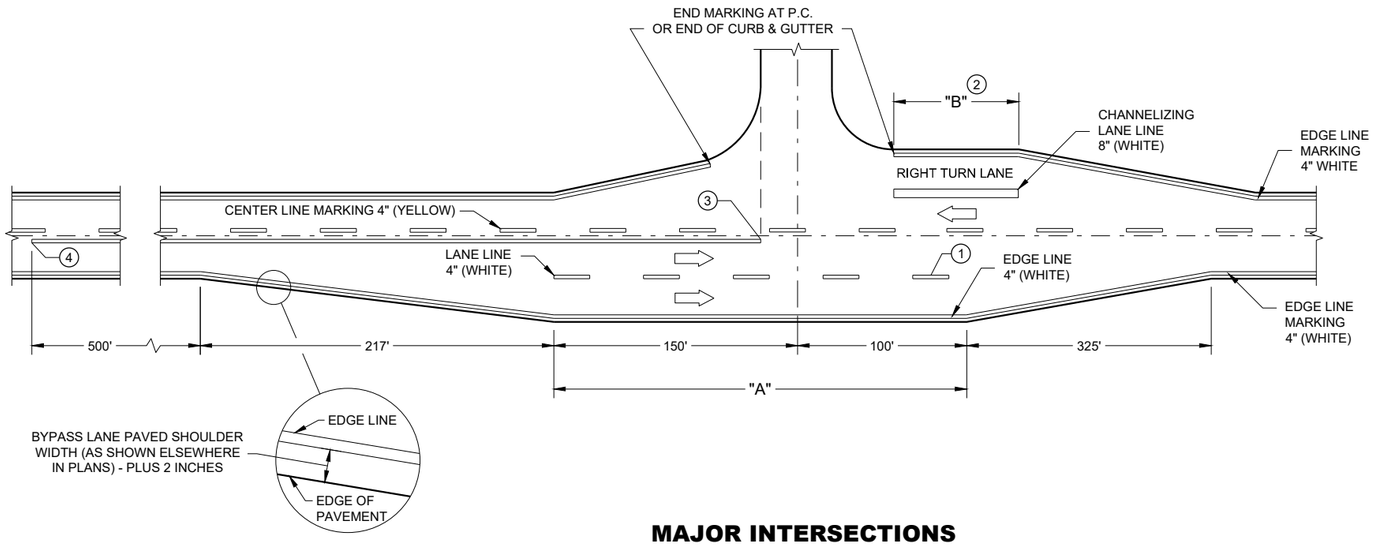
DIRECTION OF TRAVEL



MINOR INTERSECTION



INTERSECTION ON OUTSIDE OF CURVE



MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

PAVEMENT MARKING (INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C35 - 04a

6

SDD 15C35 - 04a

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

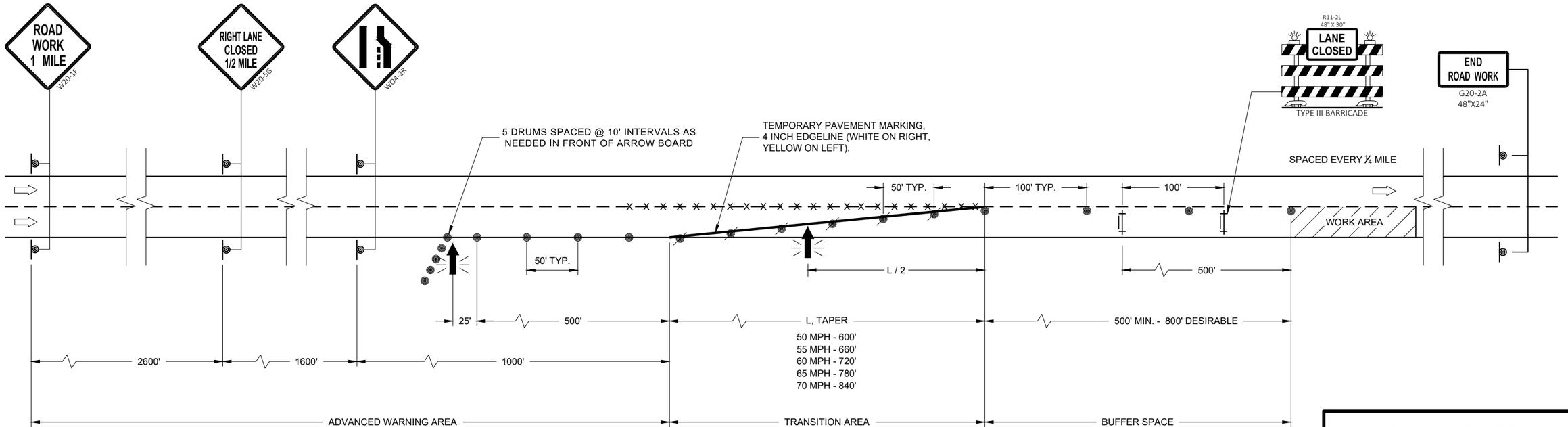
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D12 - 09a

6

SDD 15D12 - 09a

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

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

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

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

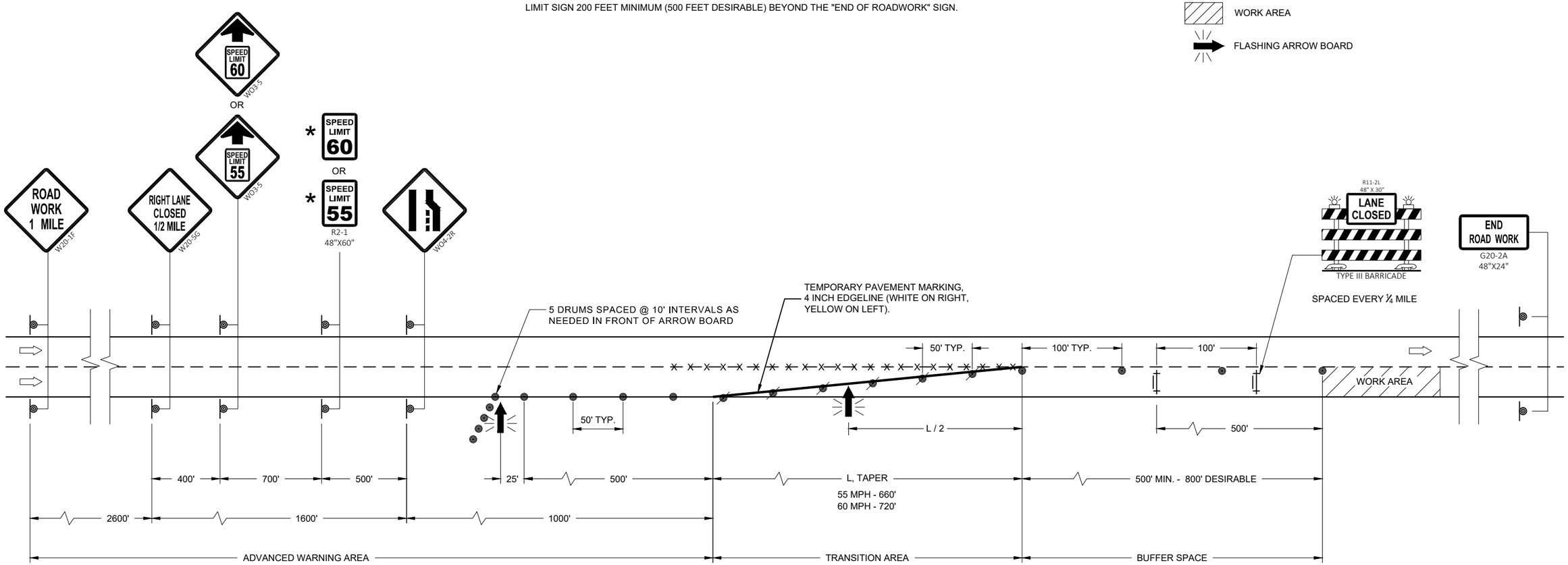
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

* A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN A MINIMUM OF EVERY 3 MILES. INCLUDE A RESUME SPEED LIMIT SIGN 200 FEET MINIMUM (500 FEET DESIRABLE) BEYOND THE "END OF ROADWORK" SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKINGS
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL, LANE CLOSURE, SPEED REDUCTION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

SDD 15D12 - 09b

SDD 15D12 - 09b

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- FLASHING ARROW BOARD
- DIRECTION OF TRAFFIC
- REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
- WORK AREA

GENERAL NOTES

FOR WORK ON ROADWAYS WITH SPEEDS GREATER THAN 45MPH, USE SDD 15D12.

THIS LANE CLOSURE DETAIL IS TYPICAL FOR CLOSING THE LEFT LANE. FOR A RIGHT LANE CLOSURE, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

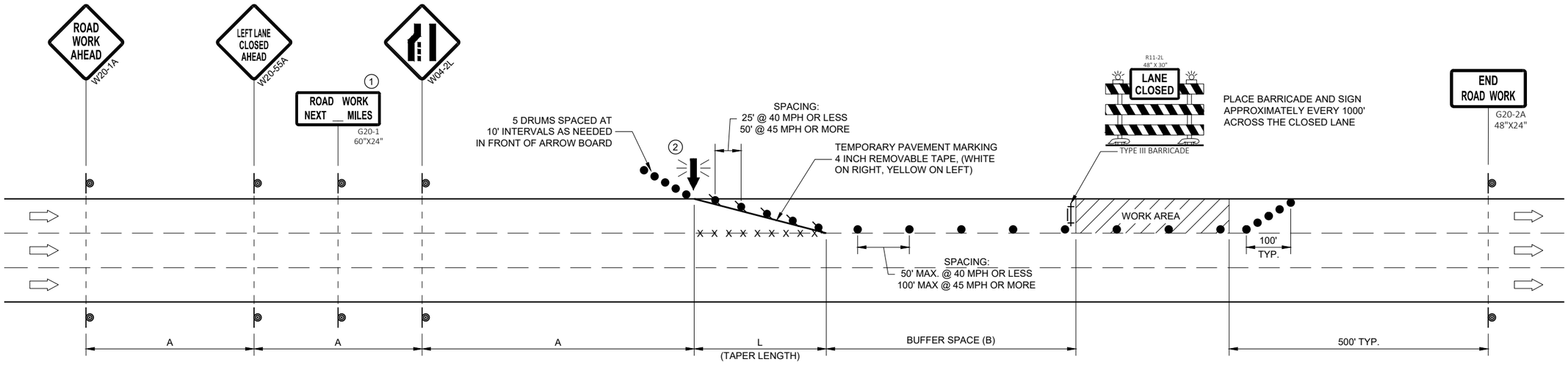
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) WHERE THE SHOULDER OR TERRACE HAS INSUFFICIENT SPACE TO PLACE THE ARROW BOARD AS SHOWN, PLACE THE ARROW BOARD AT THE END OF THE TAPER.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'

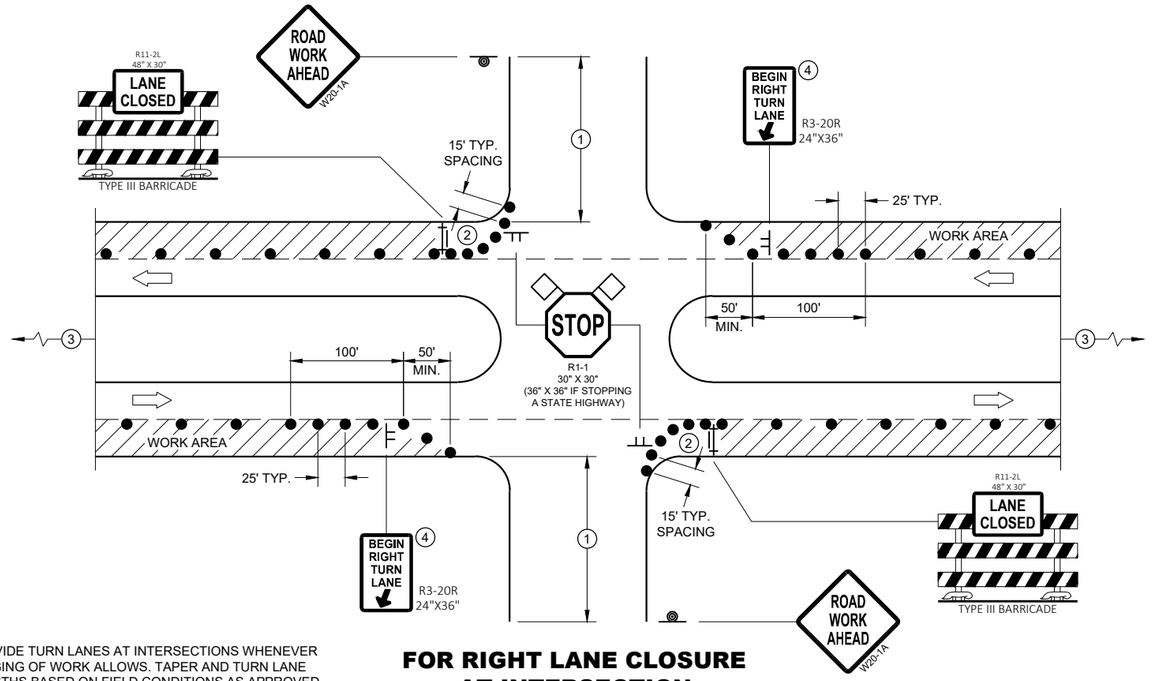
TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

6

SDD 15D20 - 05a
SDD15D20 - 05a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR RIGHT LANE CLOSURE AT INTERSECTION

GENERAL NOTES

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

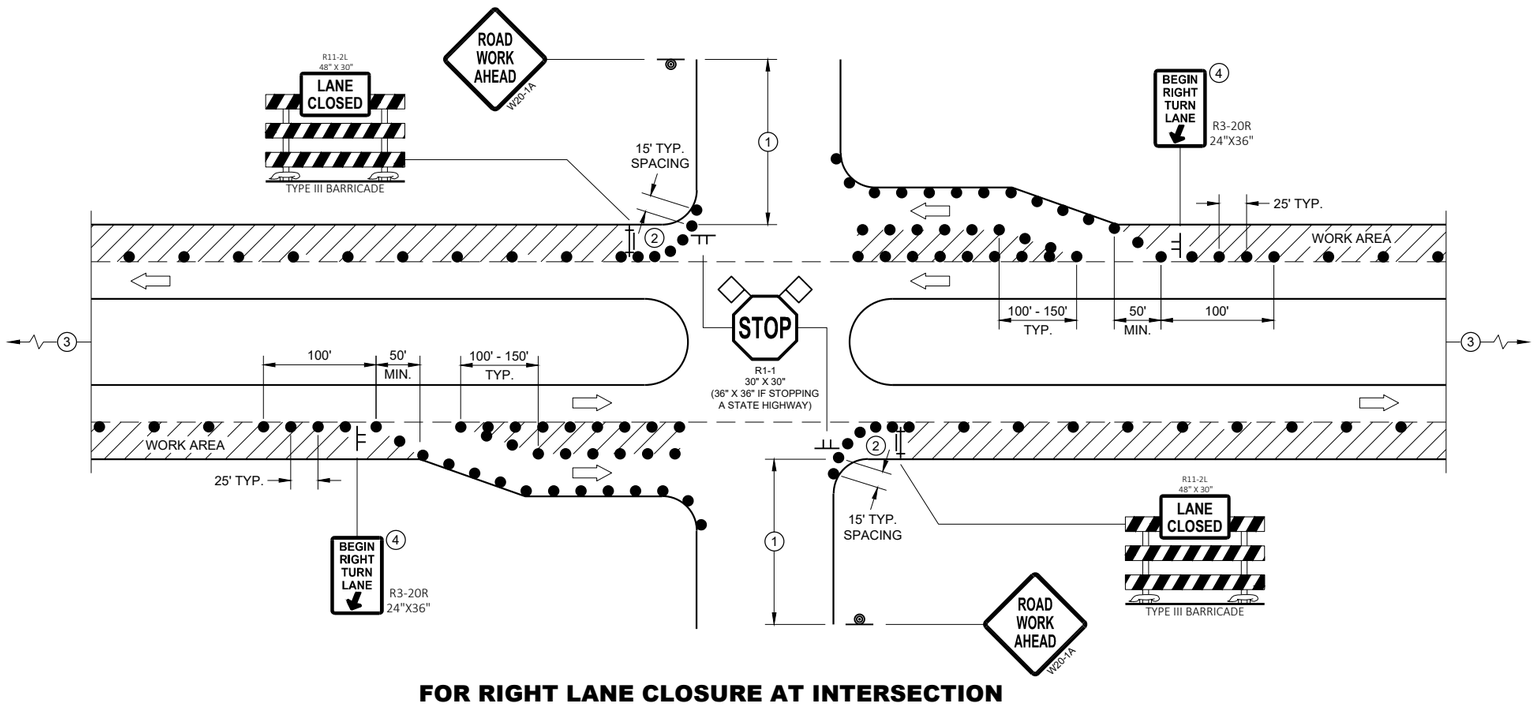
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE

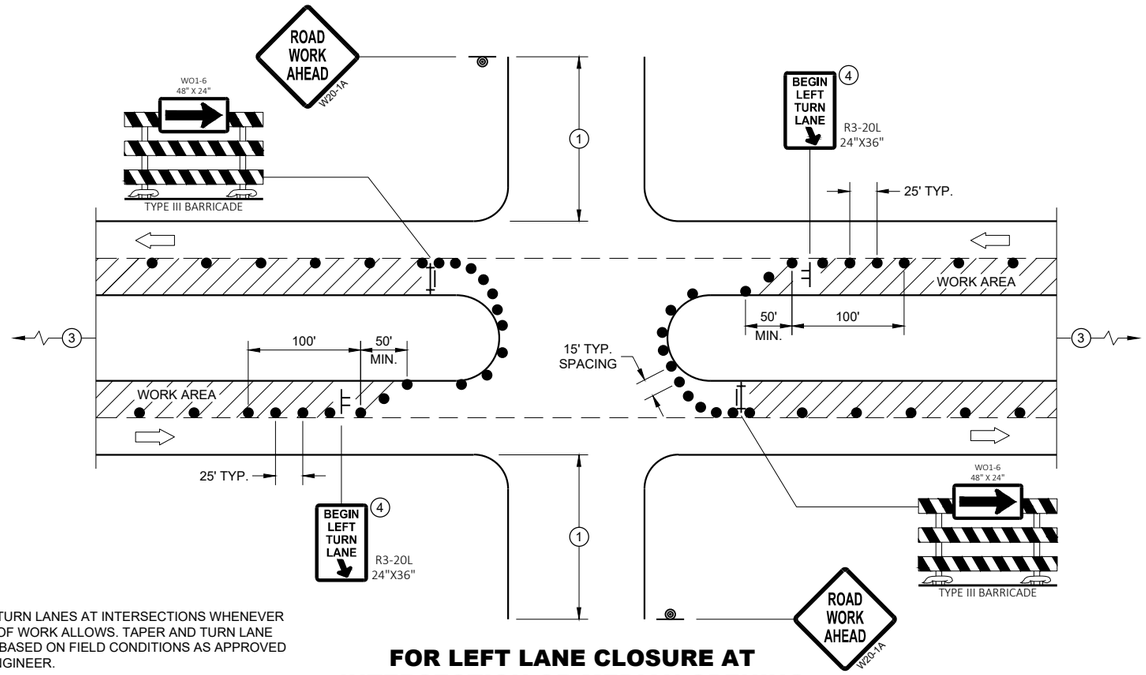
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

6

SDD 15D21 - 07a



PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING

GENERAL NOTES

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

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL REMAIN IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

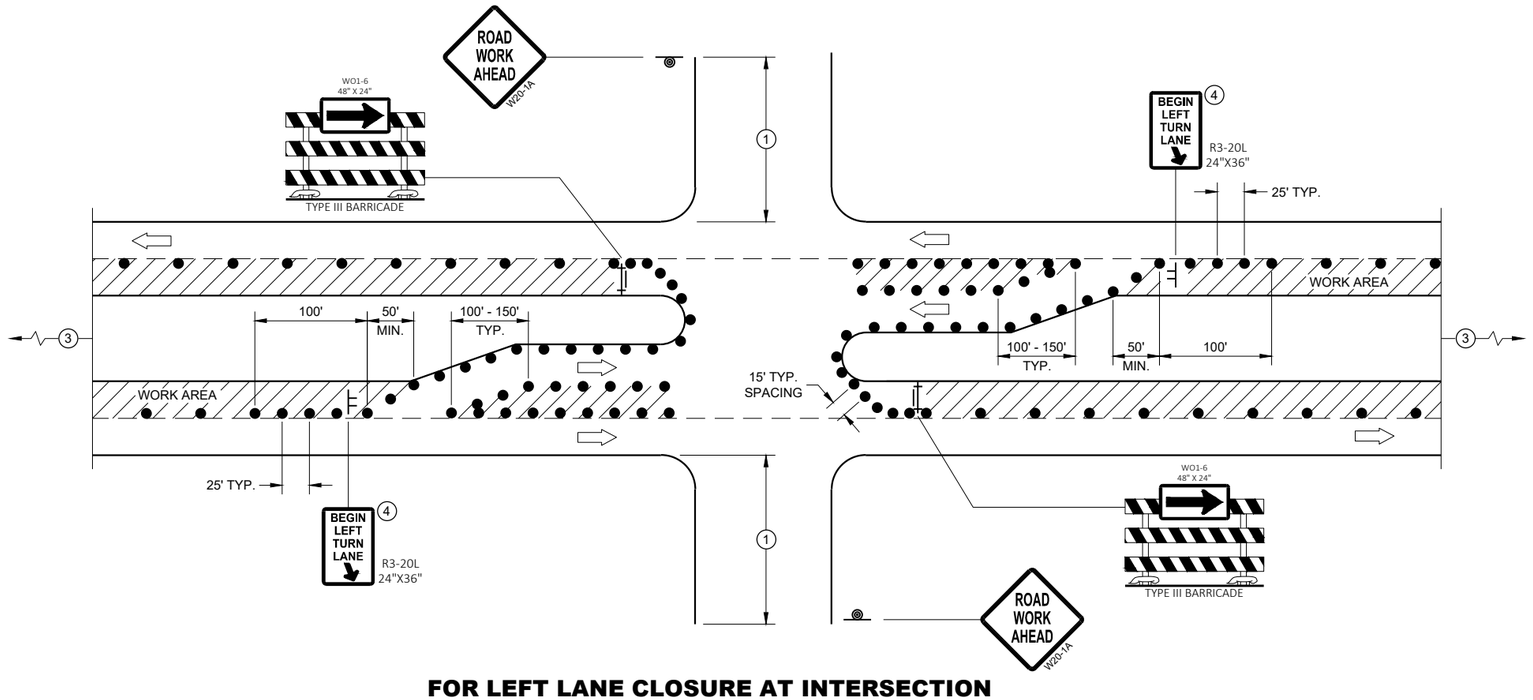
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(1) 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35 - 40 MPH.
200' IF 25 - 30 MPH.

(2) ALSO USE BARRICADE AND 15 FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS

(3) SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

(4) MINIMUM MOUNTING HEIGHT OF 5 FEET FROM EDGE OF PAVEMENT (AT EDGE LINE LOCATION) TO BOTTOM OF SIGN.



FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)

LEGEND

- SIGN ON TEMPORARY SUPPORT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., ORANGE
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15D21 - 07b

6

SDD 15D21 - 07b

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- FLASHING ARROW BOARD
- WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

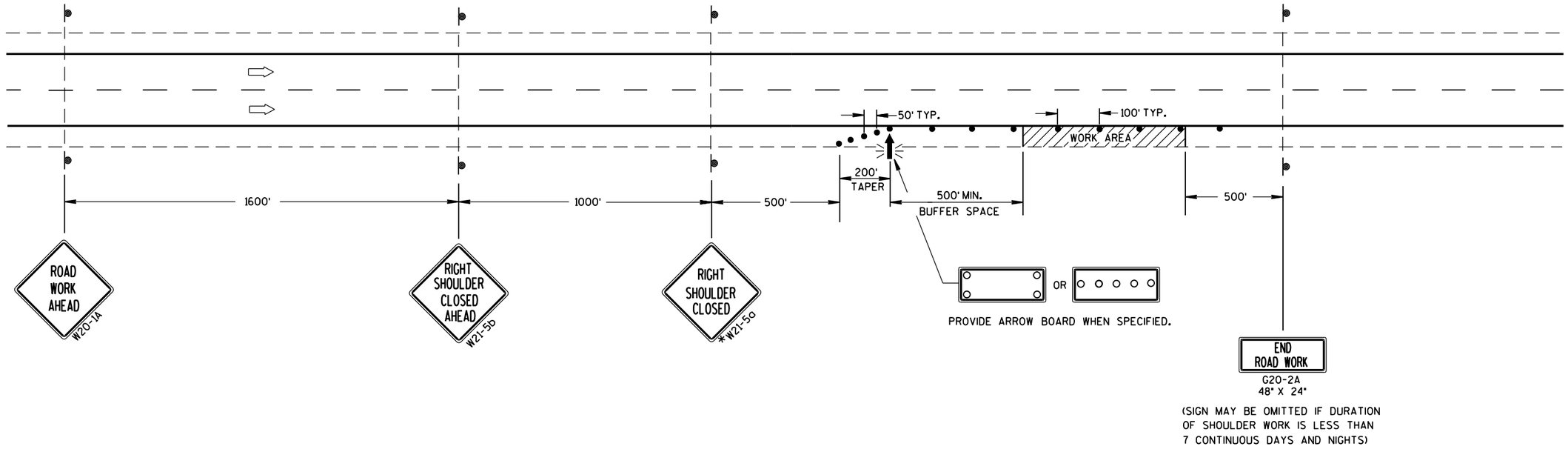
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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.

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

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

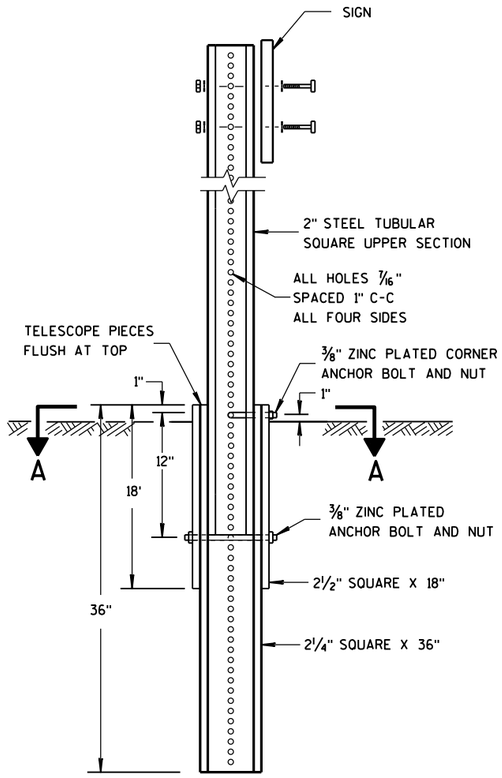
June 2016 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] SAFETY ENGI[illegible]

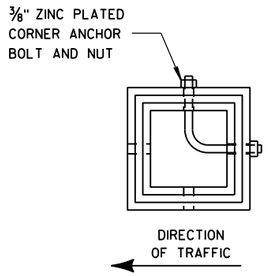
FHWA

6

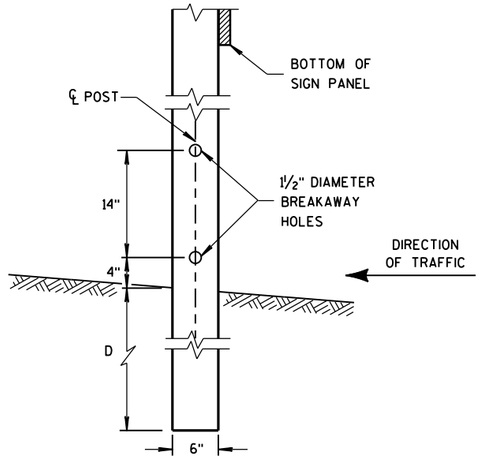
S.D.D. 15 D 27-3



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



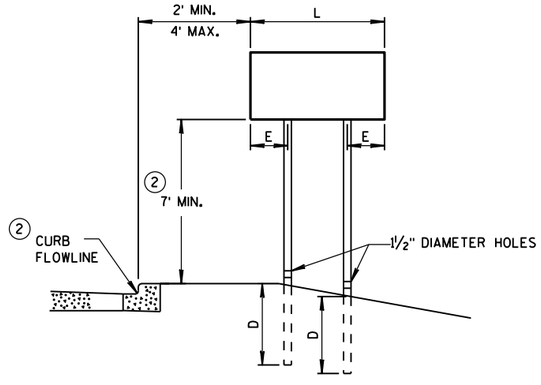
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

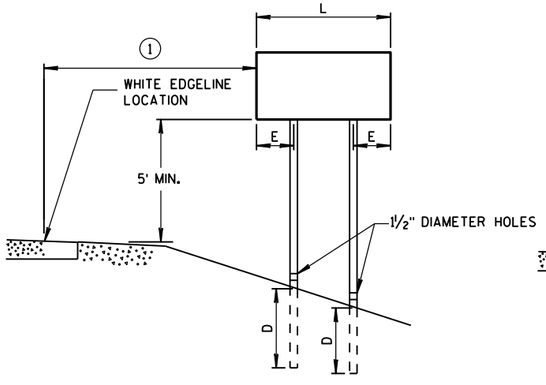
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

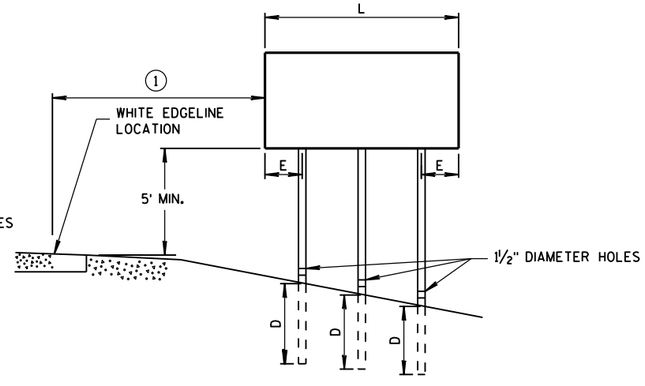
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

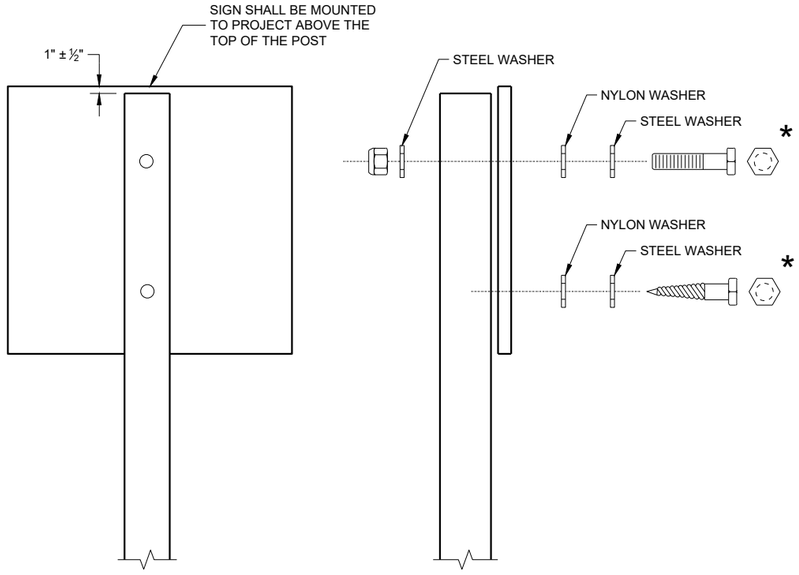
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



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 POST (4" x 6")
LAG SCREWS - ⅜" x 3"
MACHINE BOLTS - 5/16" x 6 ½" OR 7" LENGTH W/NUTS

SQUARE STEEL POST (2" x 2")
MACHINE BOLTS - ⅜" x 3 ¼" LENGTH W/NUTS
RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE 0.720 - 0.765 INCH, GRIP RANGE 0.042 - 0.375 INCH

WASHERS (ALL POSTS) -
1 ¼" O.D. x ⅜" I.D. x 1/16" STEEL
1 ¼" O.D. x ⅜" I.D. x 0.080 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. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

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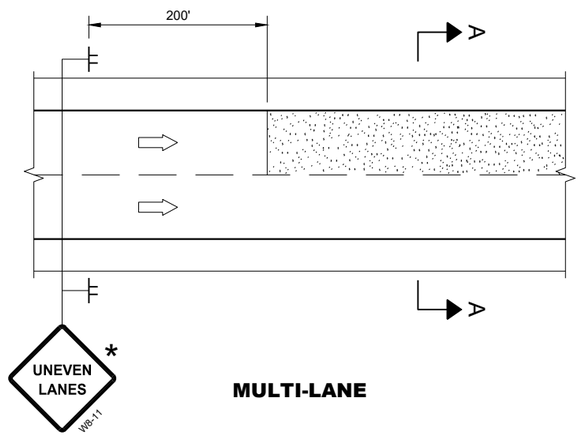
SDD 15D38 - 02b

SDD15D38 - 02b

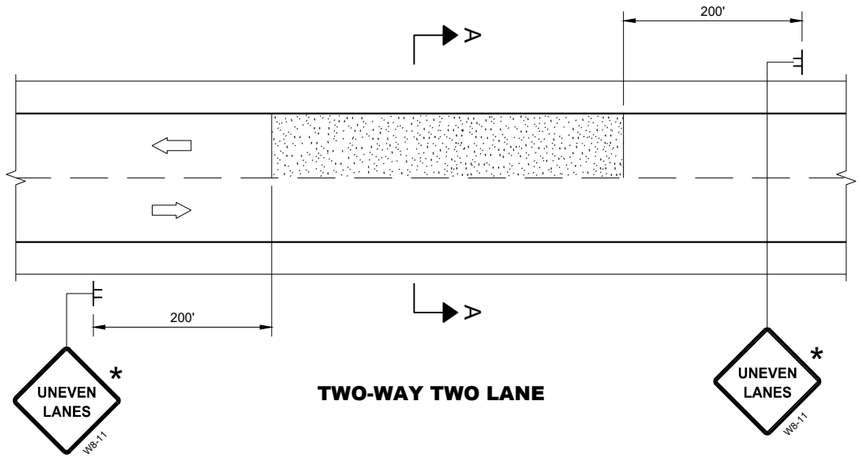
ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA



MULTI-LANE



TWO-WAY TWO LANE

GENERAL NOTES

FOR SPOT LOCATIONS USE ENGINEERING JUDGEMENT WHEN PLACING ADDITIONAL SIGNS.

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

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

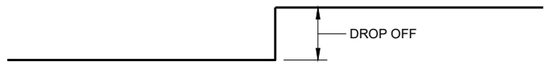
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* IF THE DROP-OFF IS CONTINUOUS ALONG THE PROJECT, PLACE ADDITIONAL SIGNS EVERY 1 MILE AND AFTER EVERY ENTRANCE RAMP.

(1) USE CLOSER SPACING WHEN DELINEATING DROP-OFF.

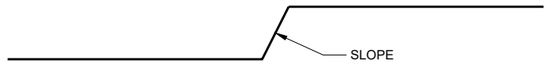
LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA WITH DROP-OFF
- MILLED SURFACE

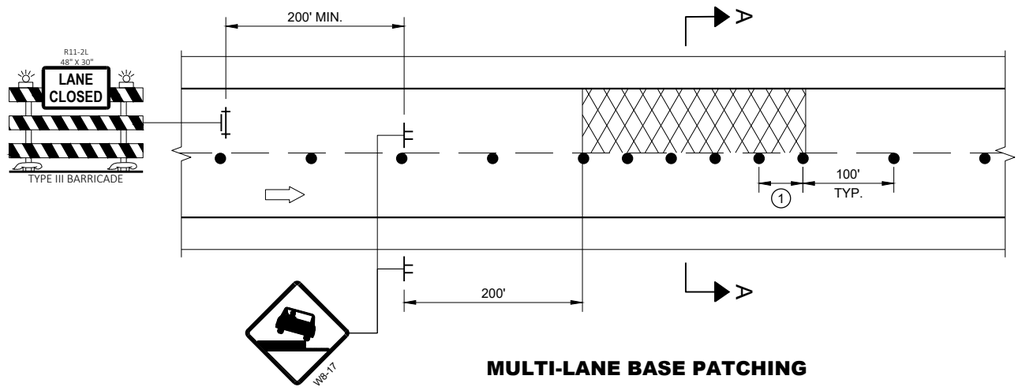


SECTION A - A

OR

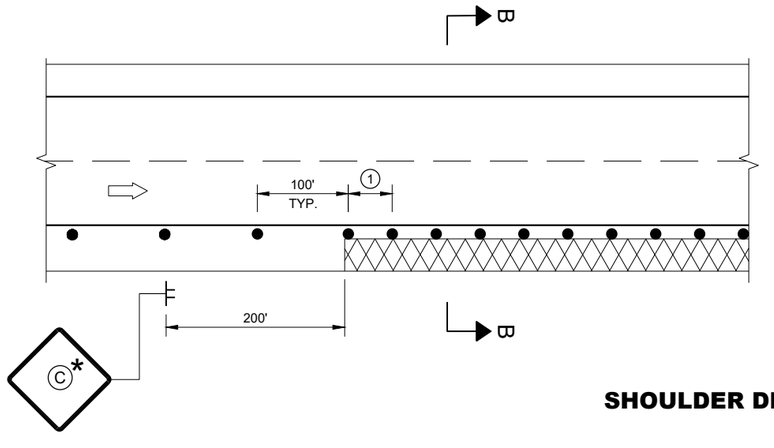


SECTION A - A

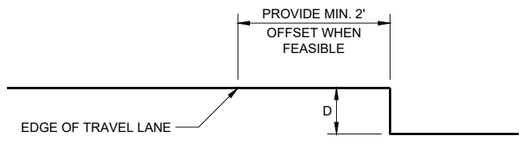


MULTI-LANE BASE PATCHING

ADJACENT LANE DROP-OFFS



SHOULDER DROP-OFFS



SECTION B - B

D	SIGN (C)
< 2" WITH A SLOPE STEEPER THAN 3:1	LOW SHOULDER WO8-9
2" < 6" WITH A SLOPE STEEPER THAN 3:1	SHOULDER DROP - OFF W8-9A PROVIDE A 3:1 OR FLATTER SLOPE OF MATERIAL ADJACENT TO THE PAVEMENT

TRAFFIC CONTROL, DROP-OFF SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D39 - 02

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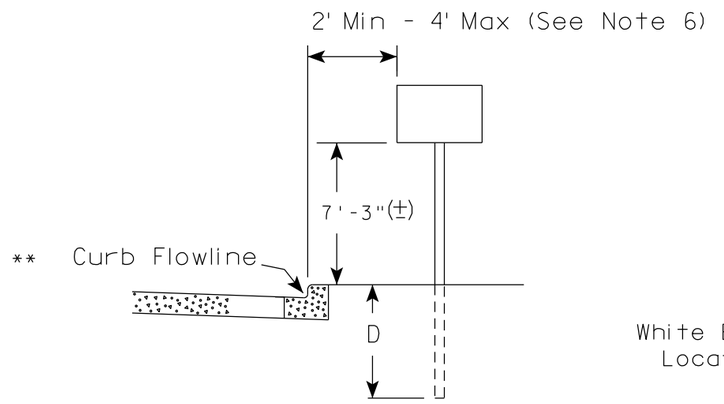
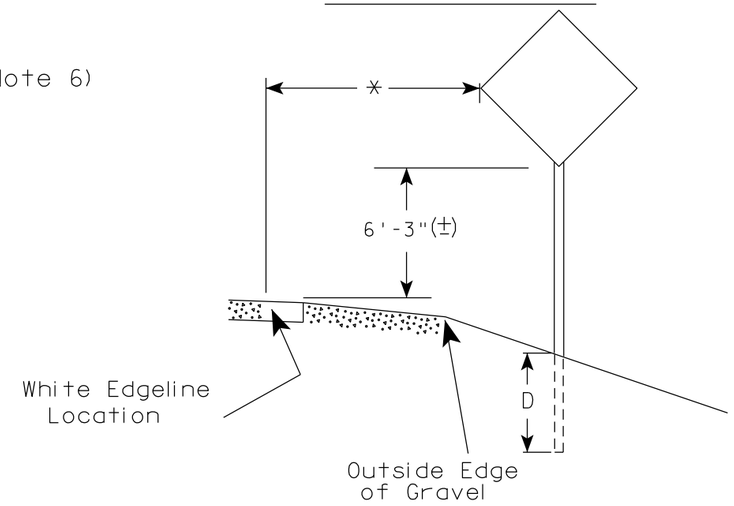
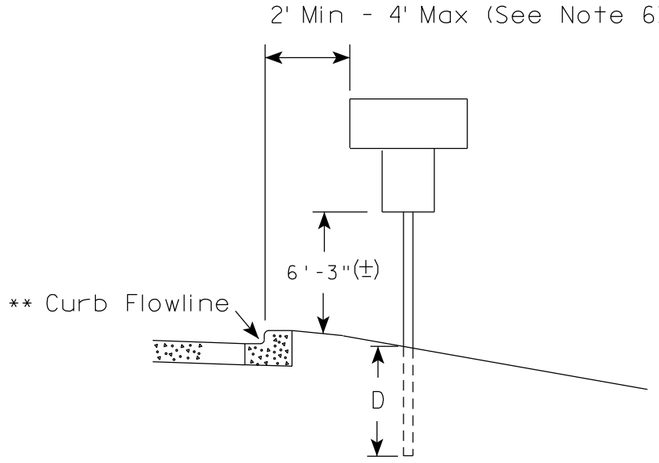
SDD 15D39 - 02

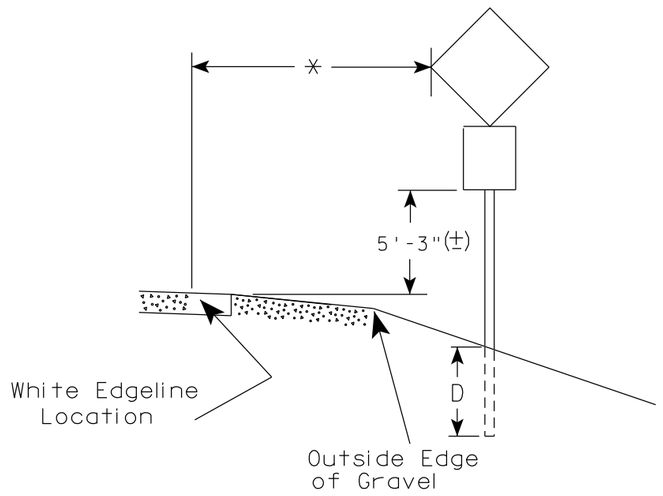
URBAN AREA



RURAL AREA (See Note 2)







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

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

POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). 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. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

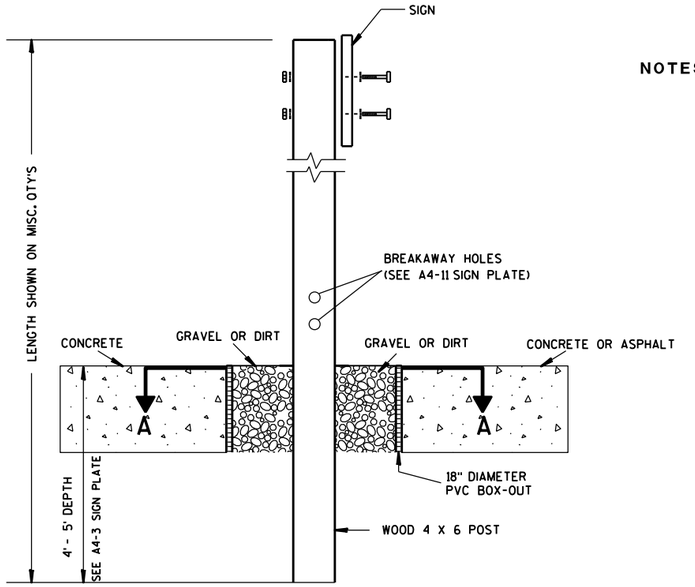
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

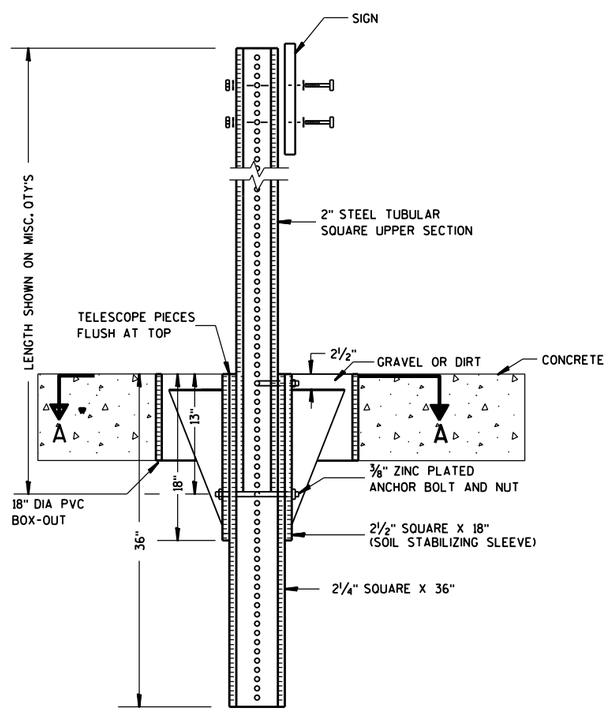
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 349	E



ELEVATION VIEW

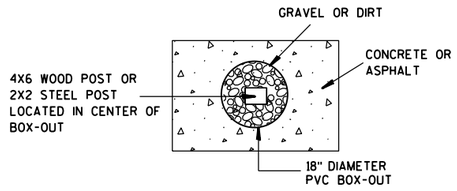
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

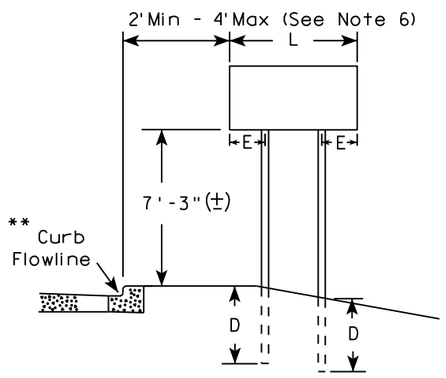
APPROVED Matthew R Rauch
for State Traffic Engineer

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

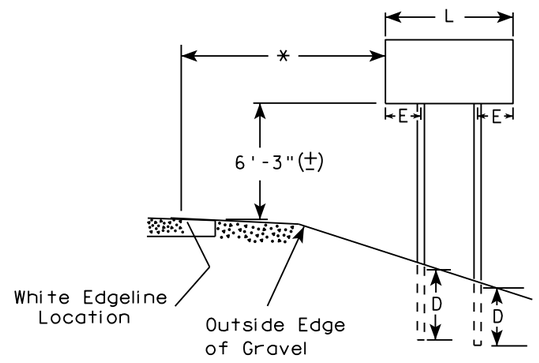
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

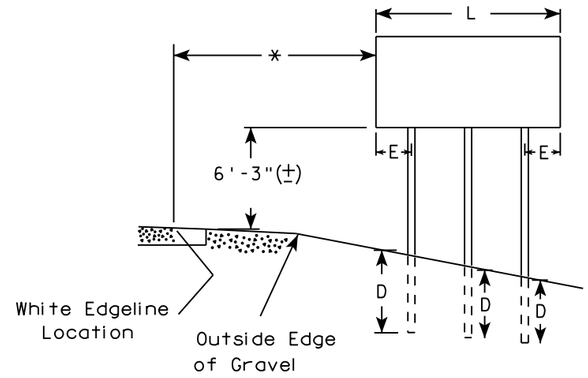
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

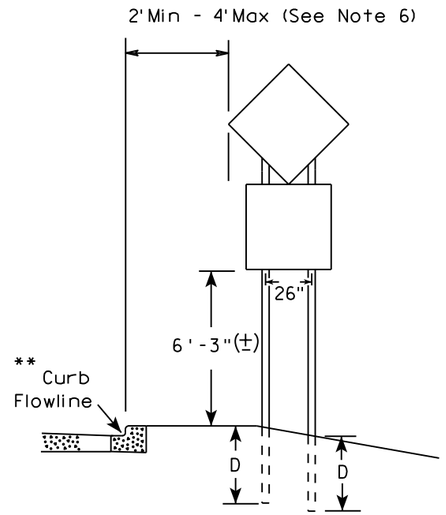
URBAN AREA



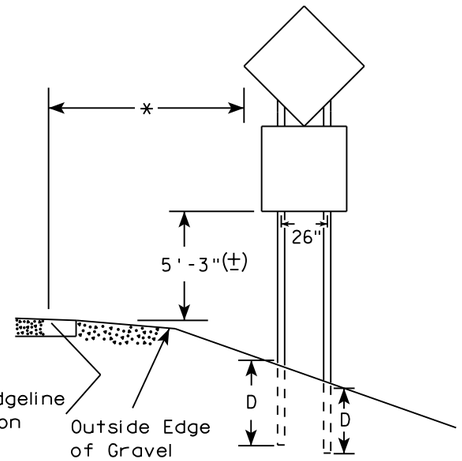
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

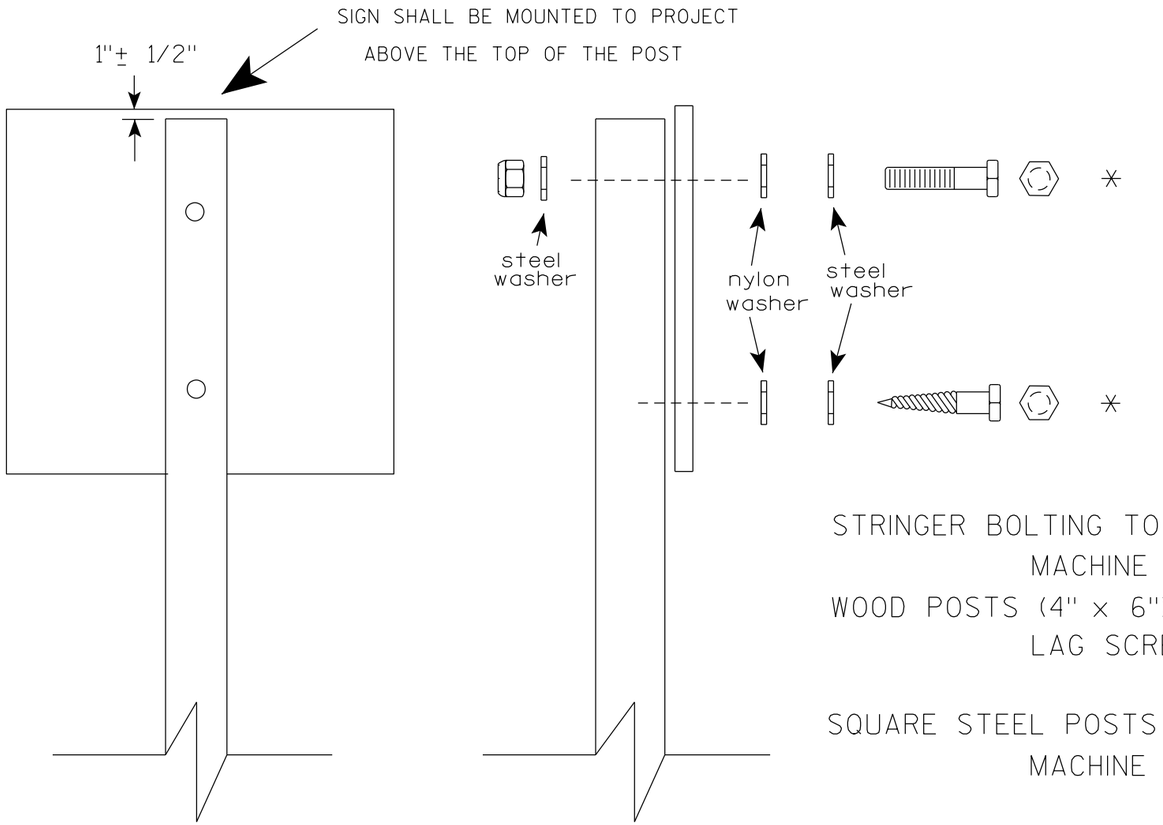
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

7

7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 351 | E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

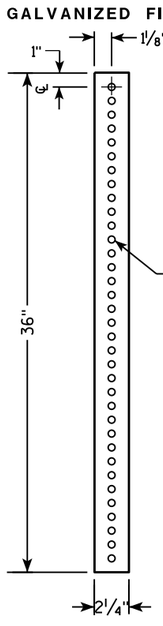
DATE 4/1/2020 PLATE NO. A4-8.9

PROJECT NO:

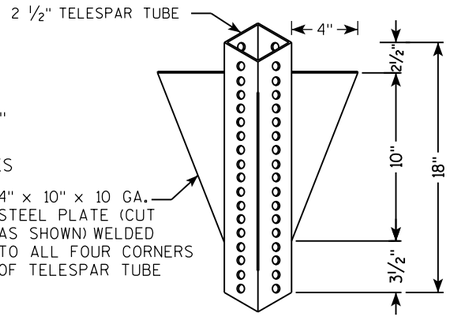
SHEET NO: 352 E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

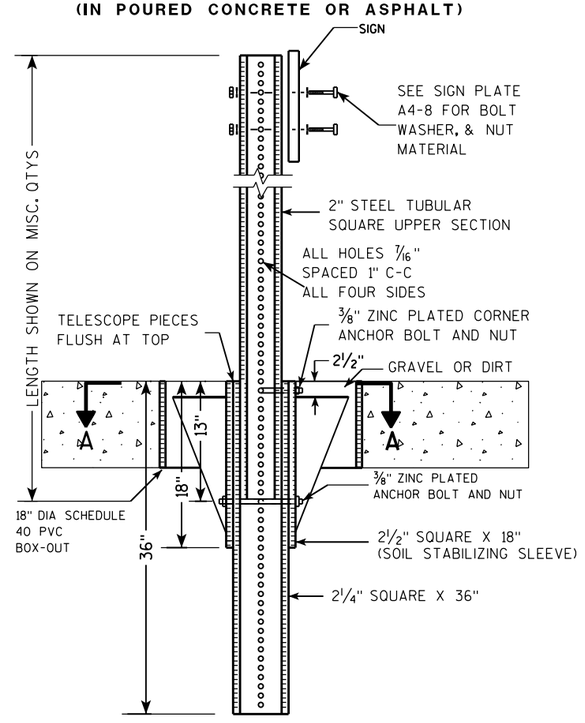
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



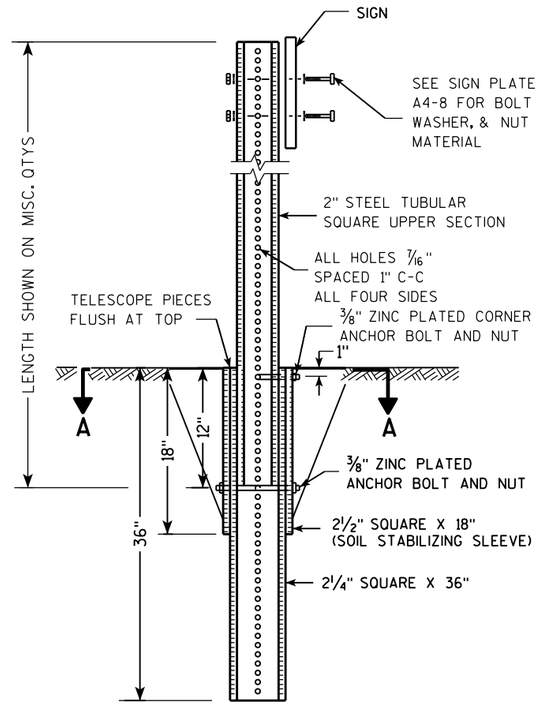
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

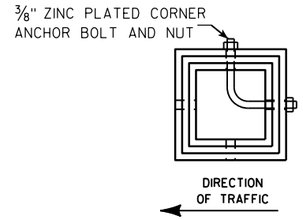


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

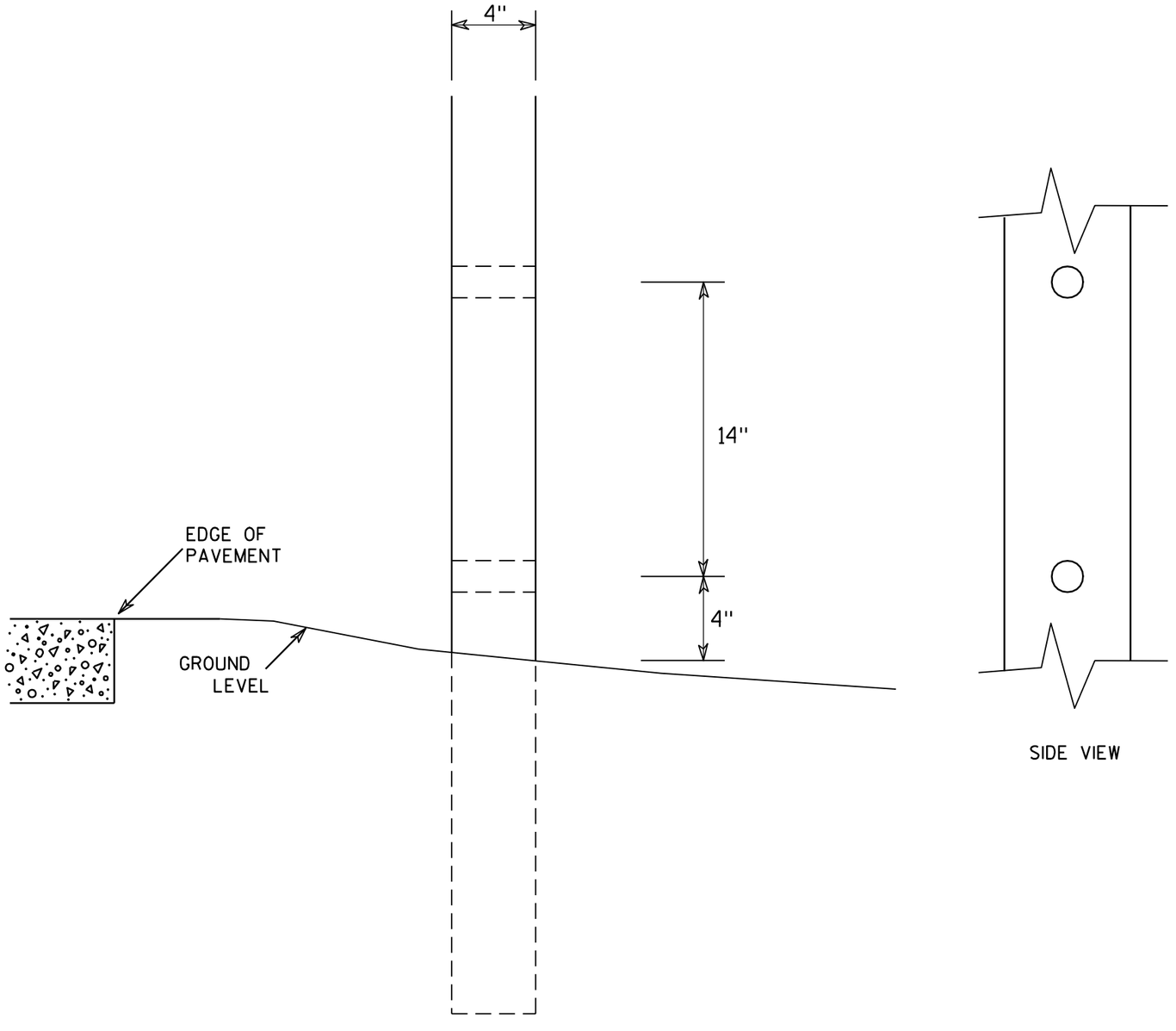
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 353 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

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

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

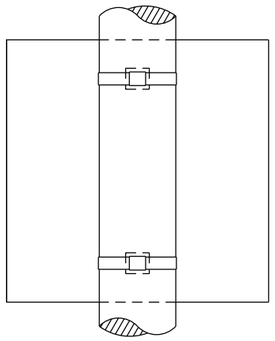
APPROVED Chester J Spang
for State Traffic Engineer

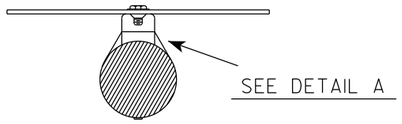
DATE 3/27/97 PLATE NO. A4-11.2

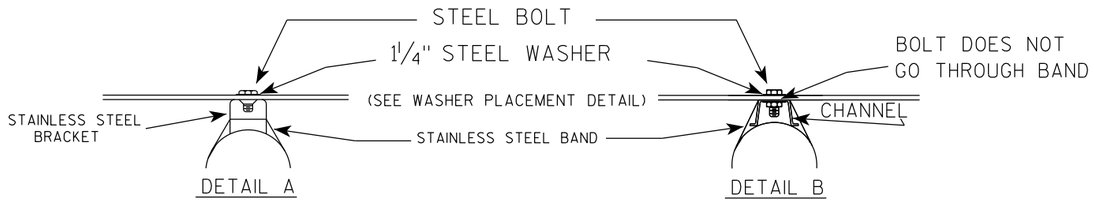
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 354	E

BANDING

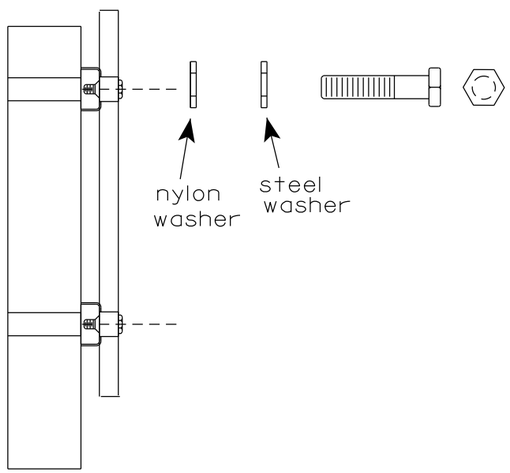
SINGLE SIGN







WASHER PLACEMENT

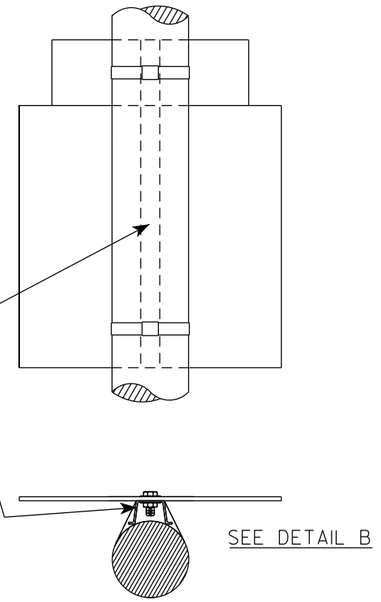


WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



STANDARD SIGN
SIGN BANDING DETAILS

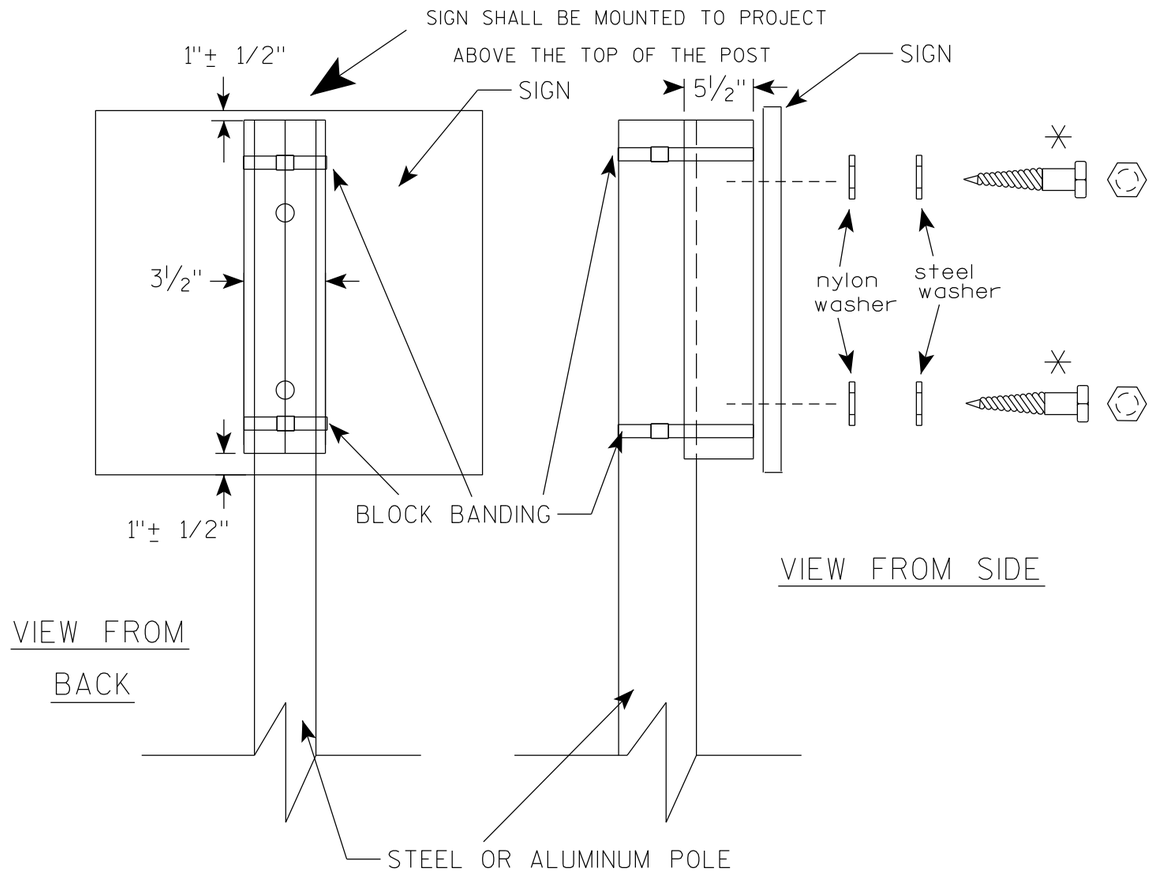
WISCONSIN DEPT OF TRANSPORTATION

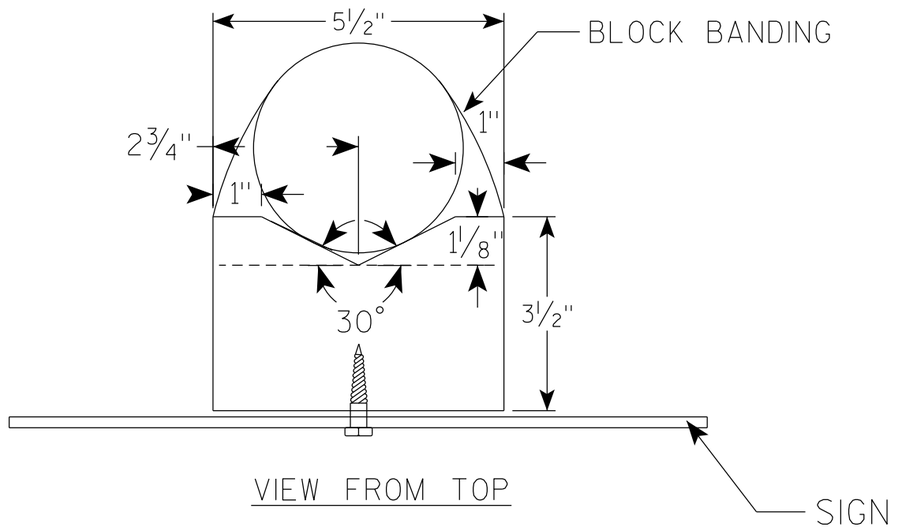
APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 355	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

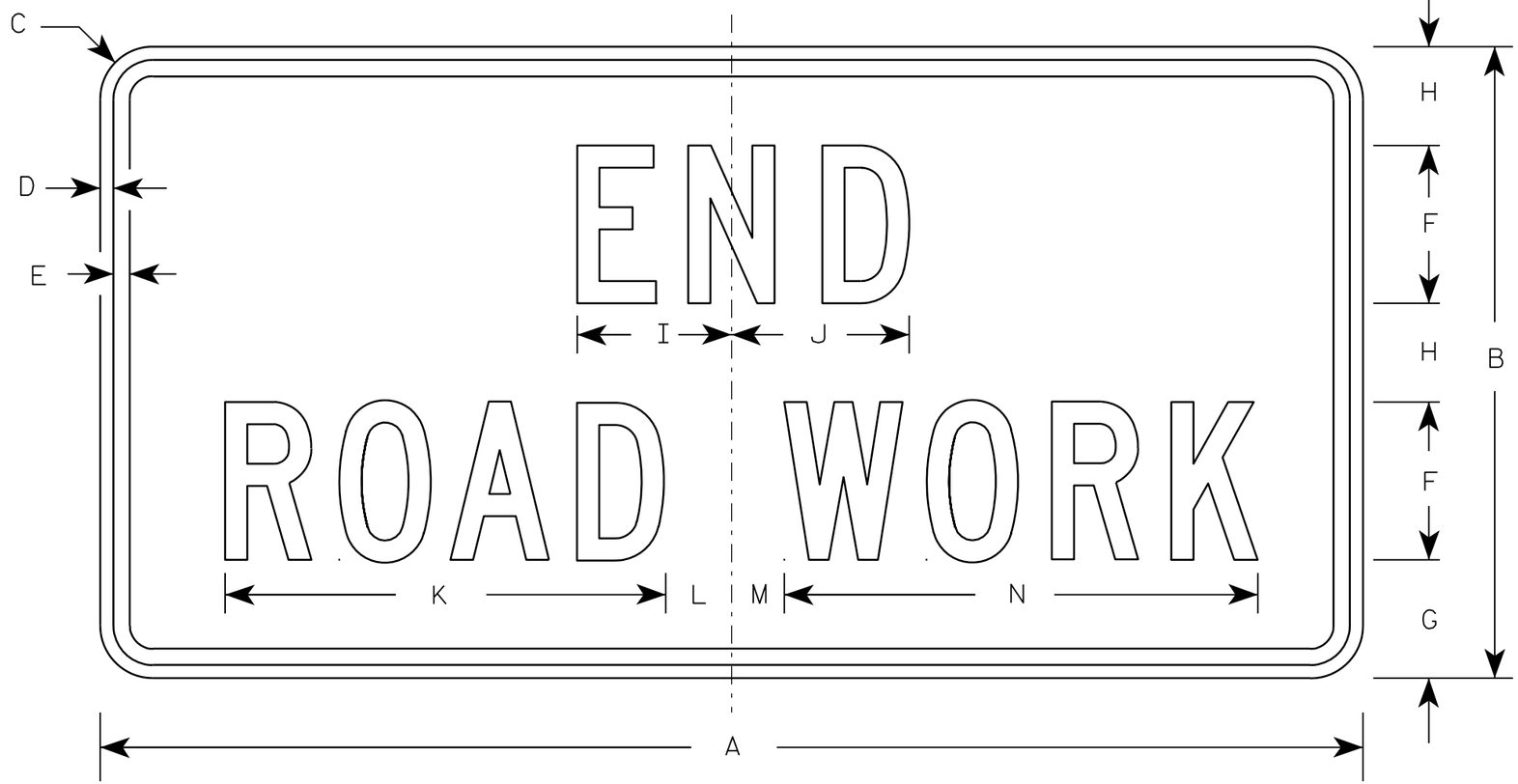
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO:				SHEET NO: 356	E



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

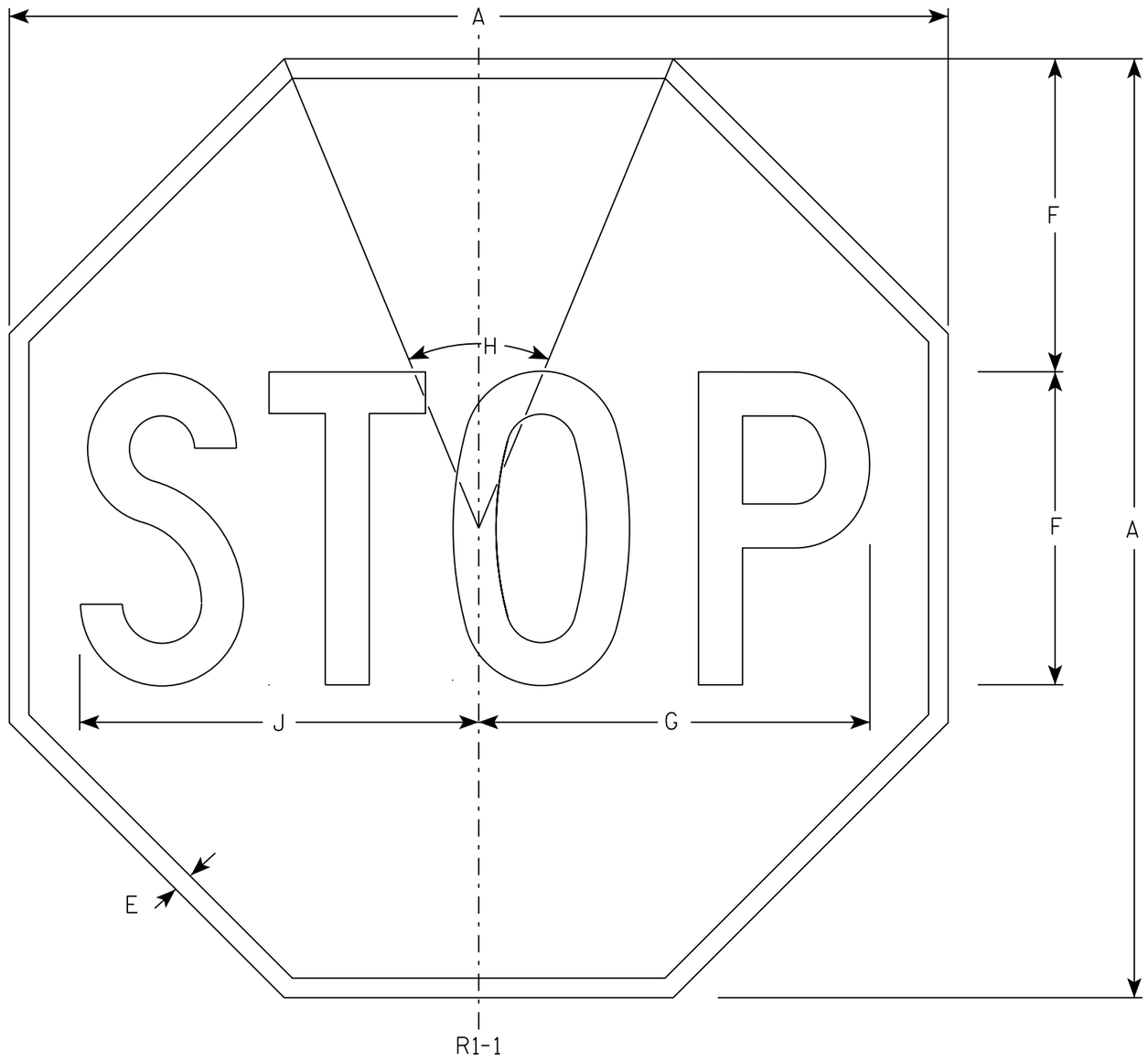
STANDARD SIGN
G20-2A

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: 357	E



NOTES

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

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

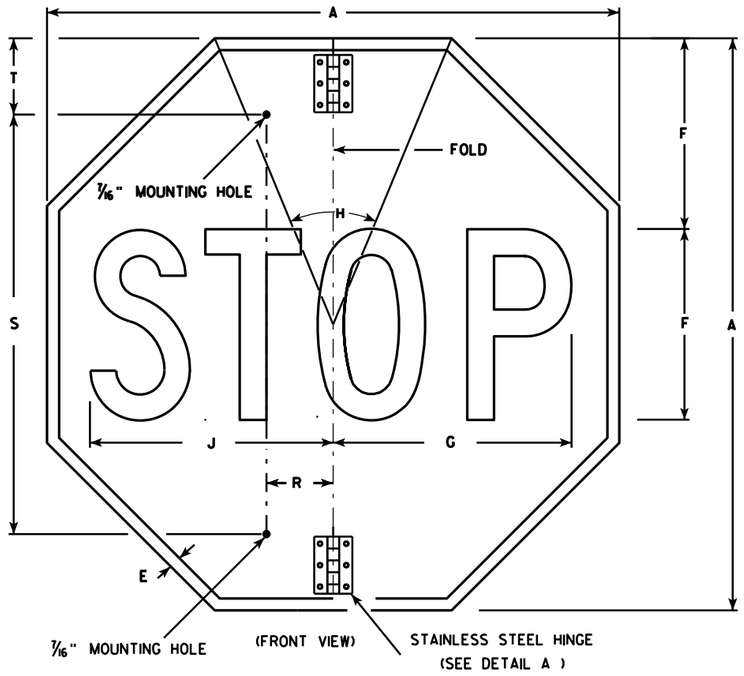
STANDARD SIGN
R1-1

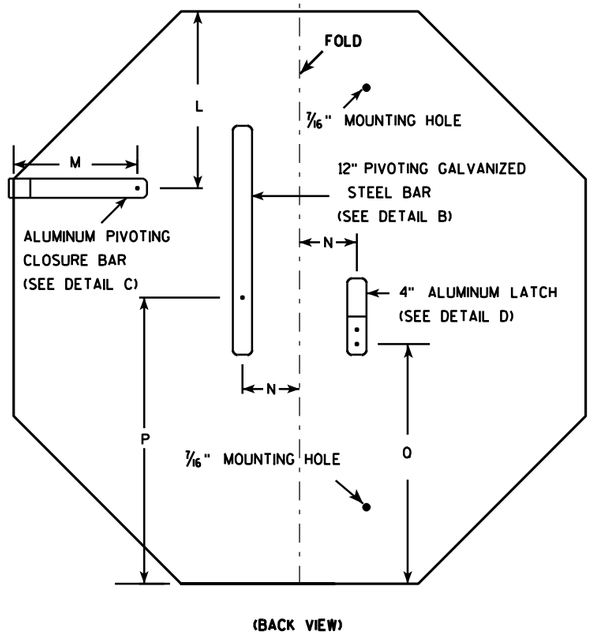
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

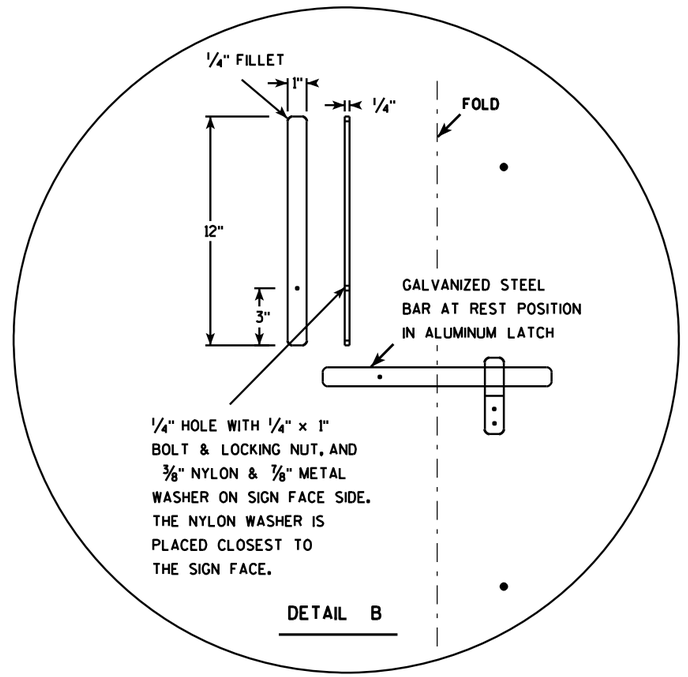
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 358	E



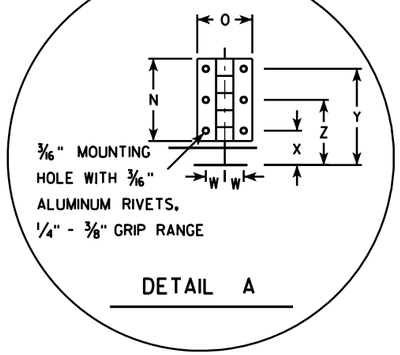


NOTES

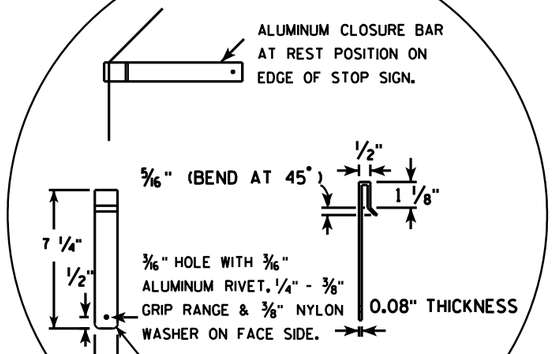
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



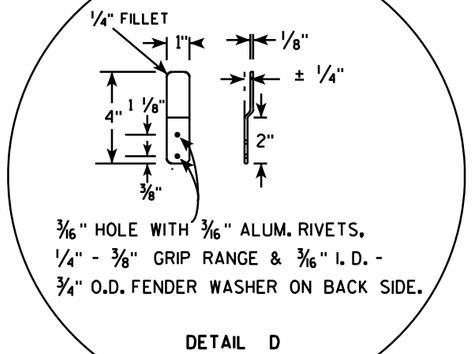
DETAIL B



DETAIL A



DETAIL C



DETAIL D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

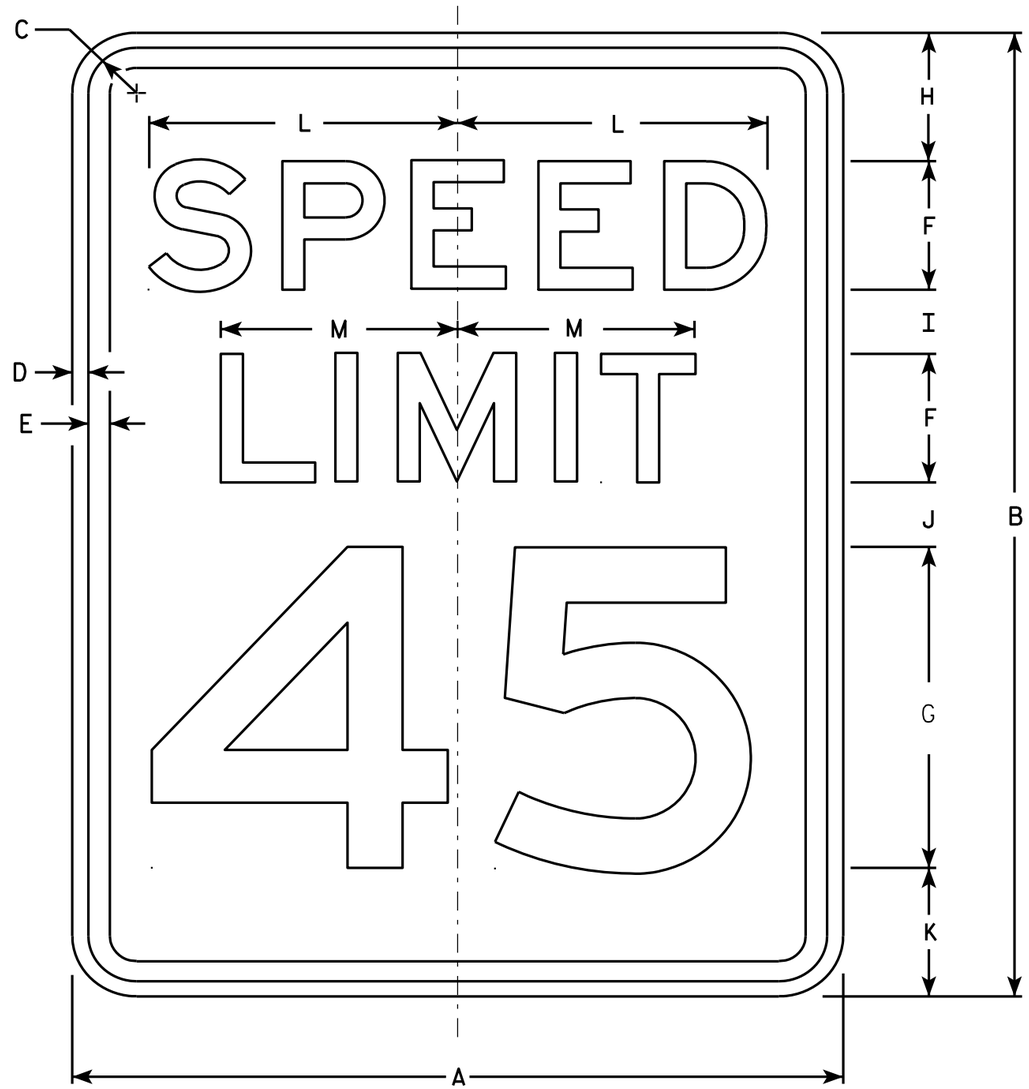
STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 359	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

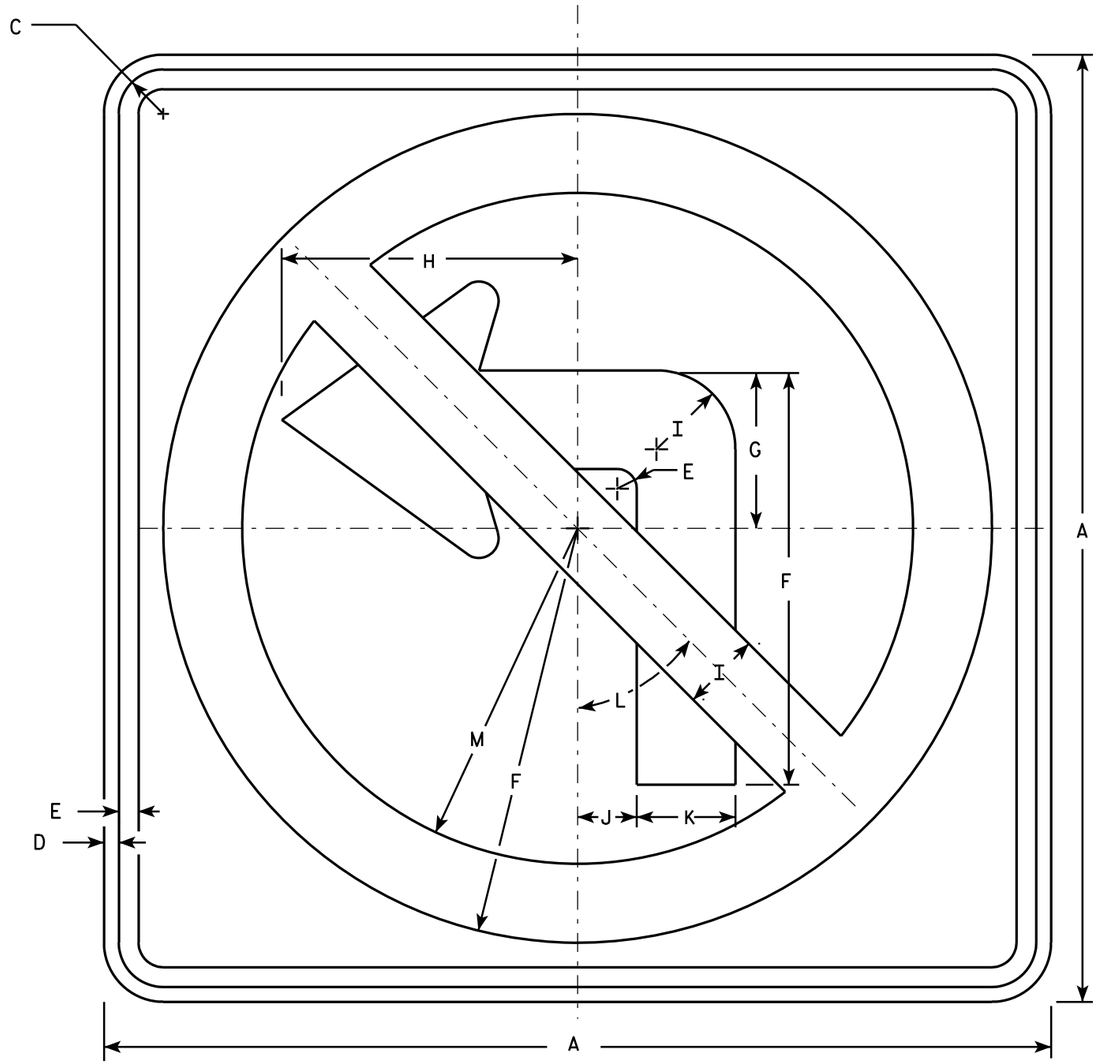
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 360 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

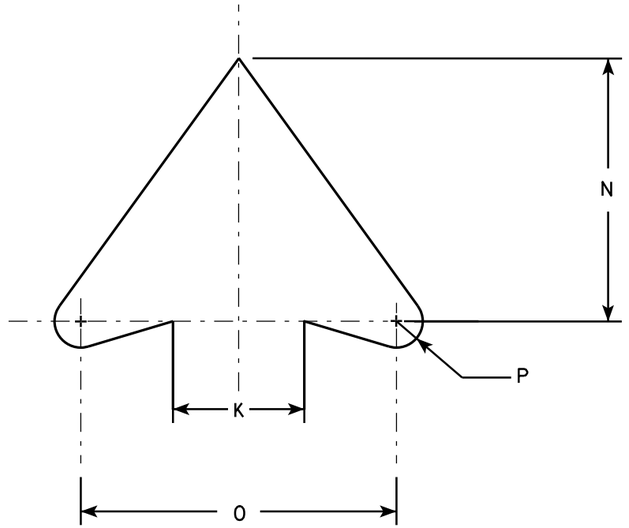
WISDOT/CADDS SHEET 42



R3-2

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. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

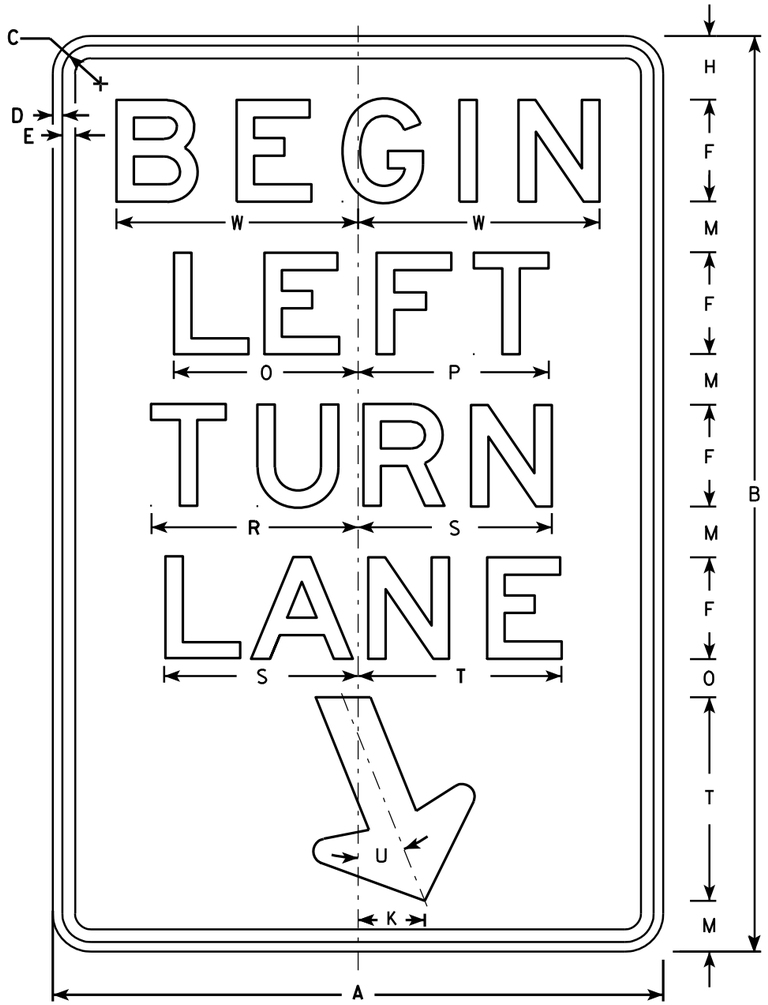
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

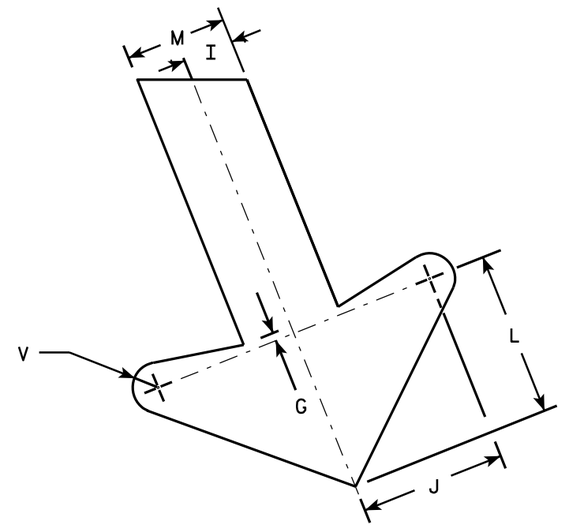
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 361	E



R3-20L

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

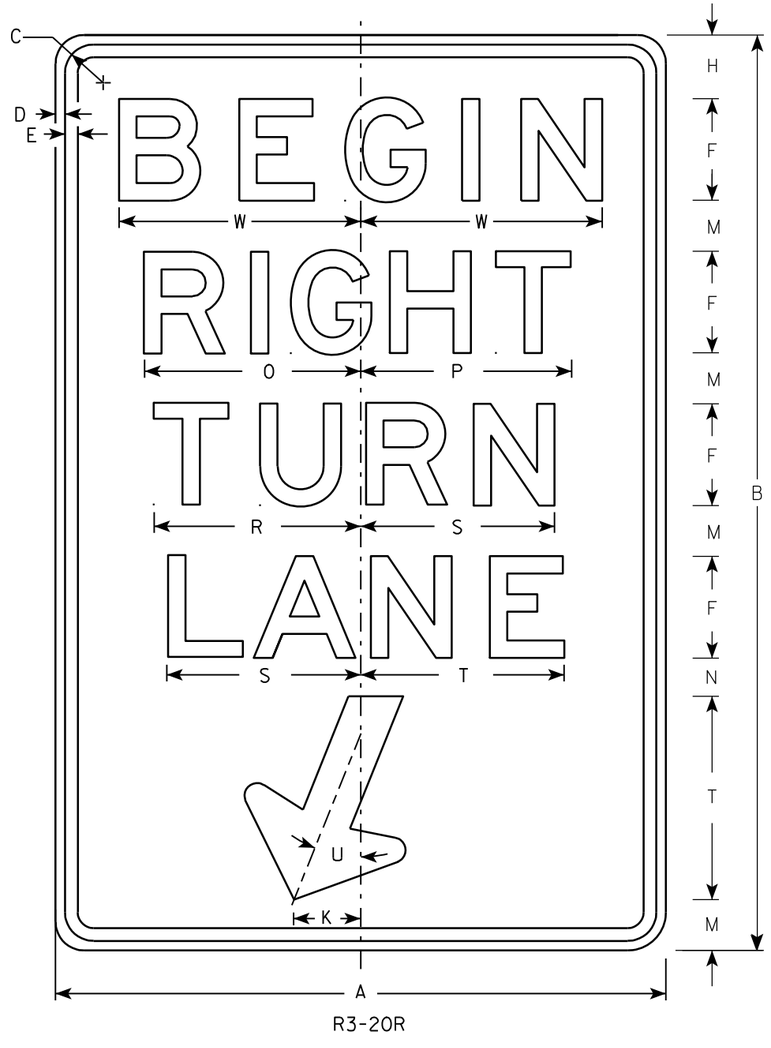
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

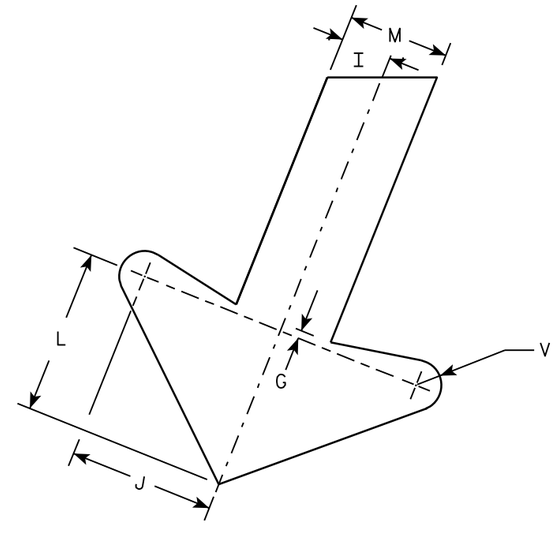
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 362 | E



R3-20R

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.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	8 1/2	8 1/4		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

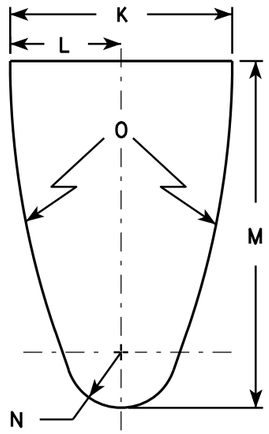
STANDARD SIGN
R3-20R

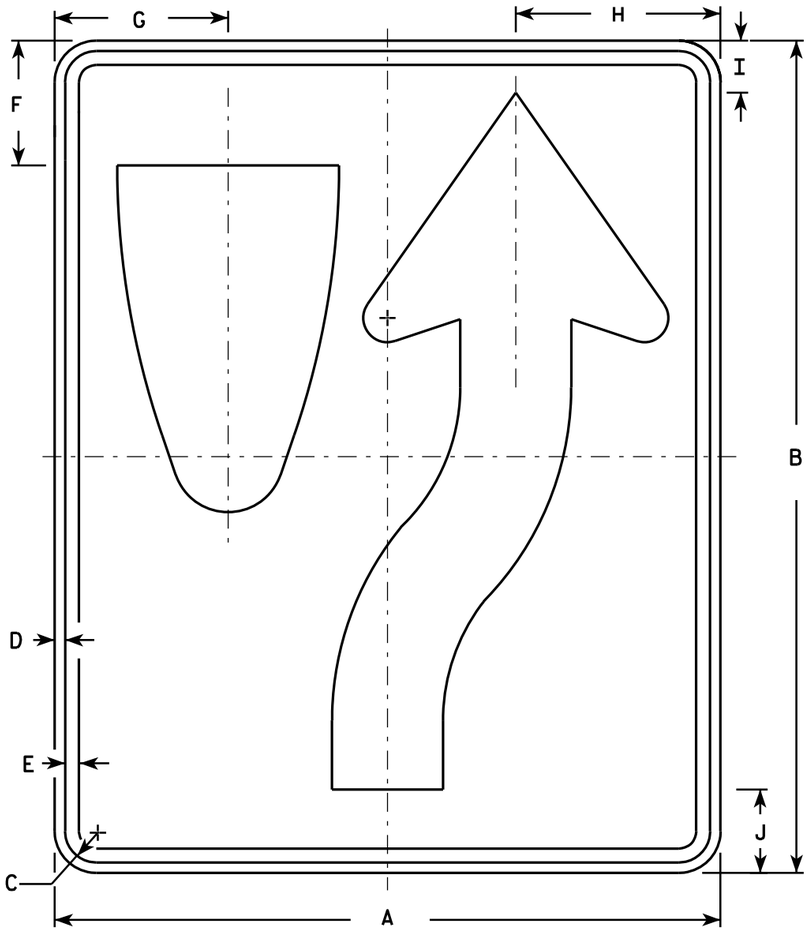
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 363 | E

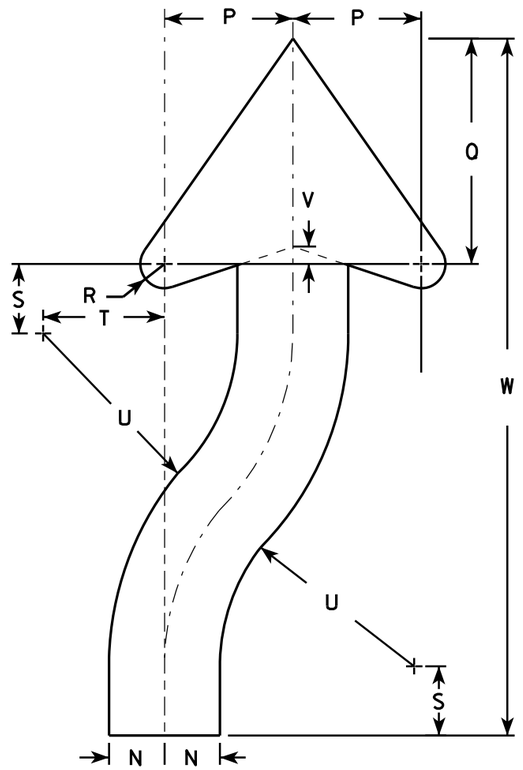




R4-7

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

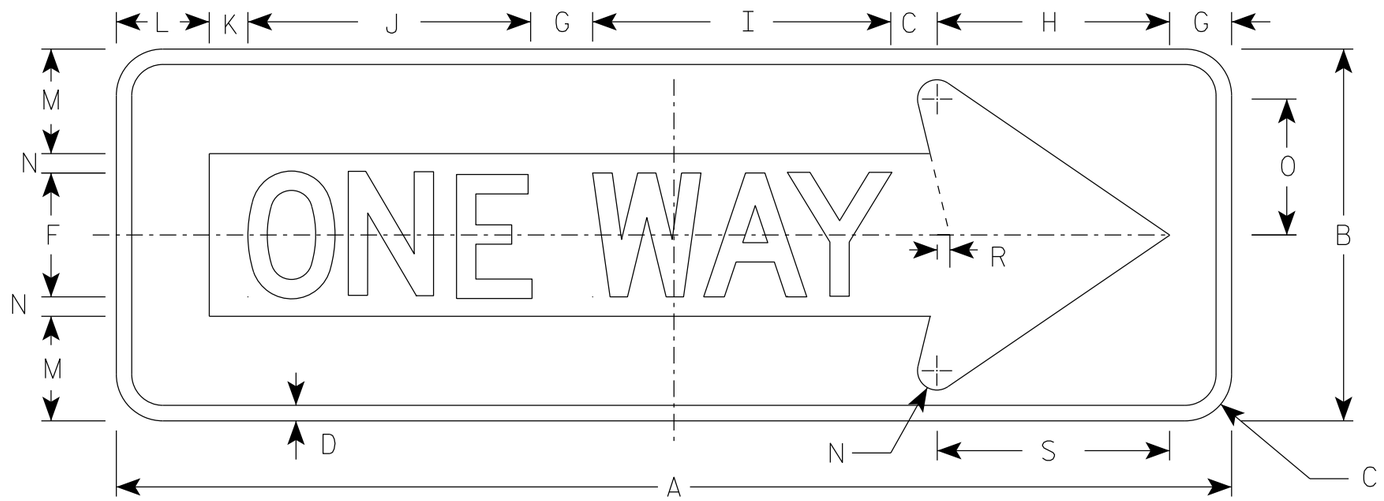
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

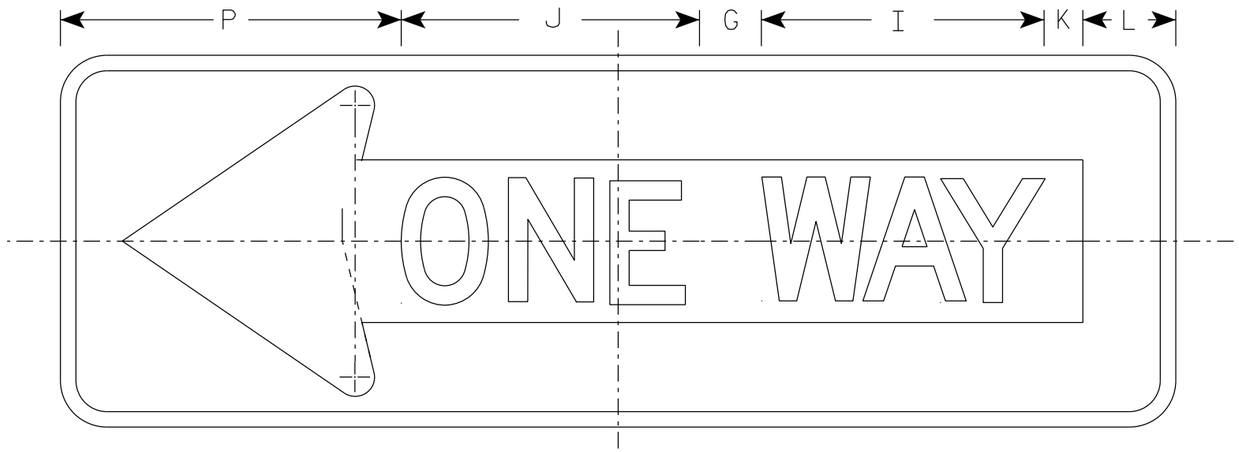
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 364	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



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 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

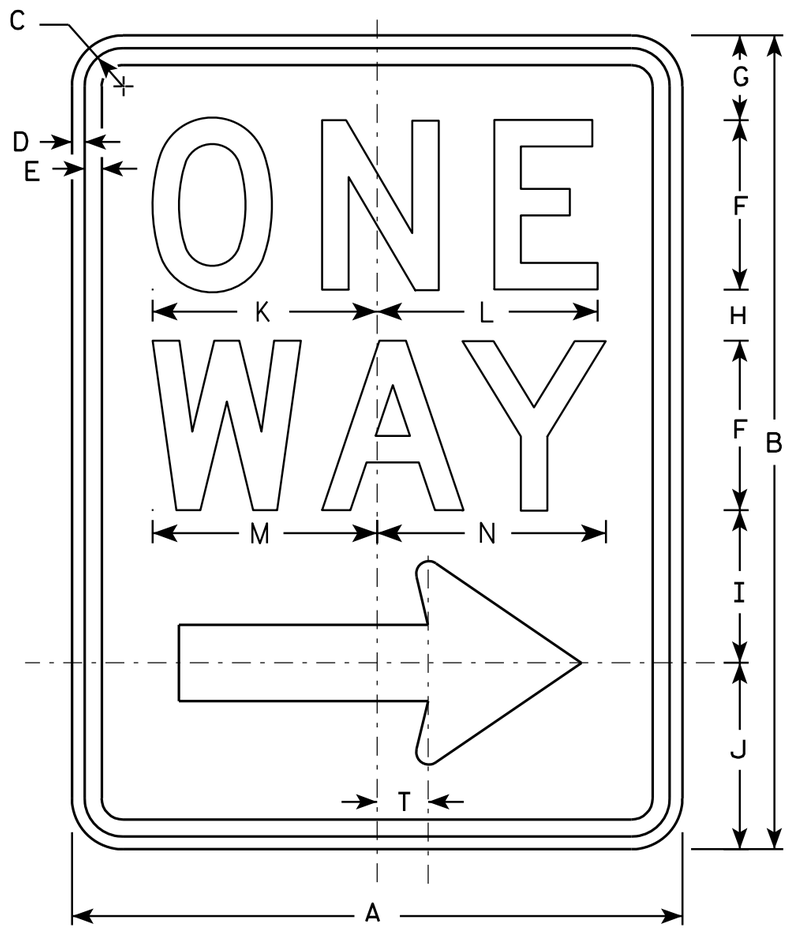
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

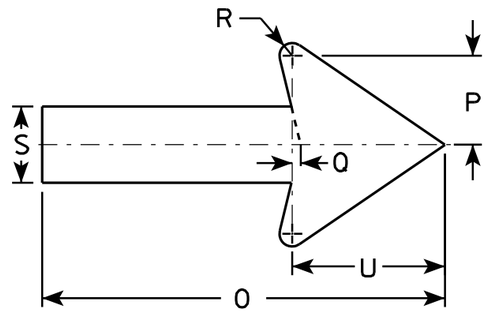
SHEET NO: 365 E



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	Q	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																										

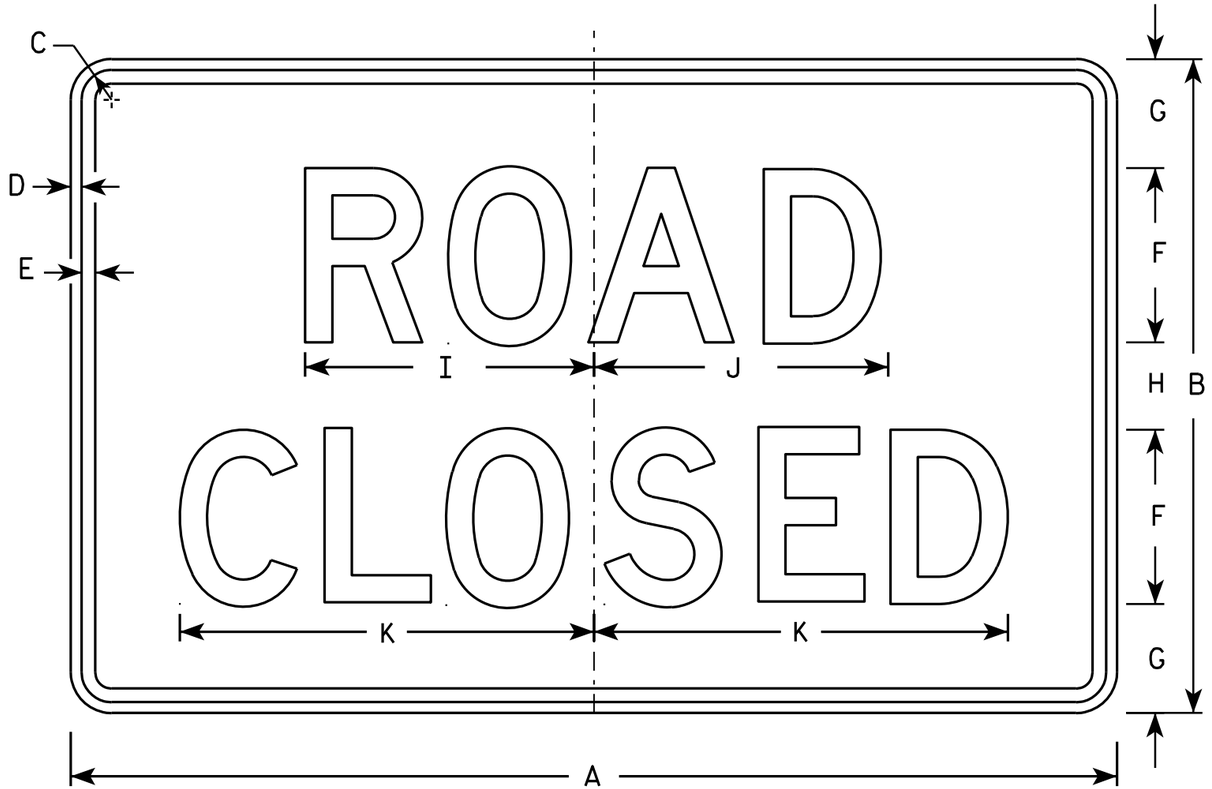
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

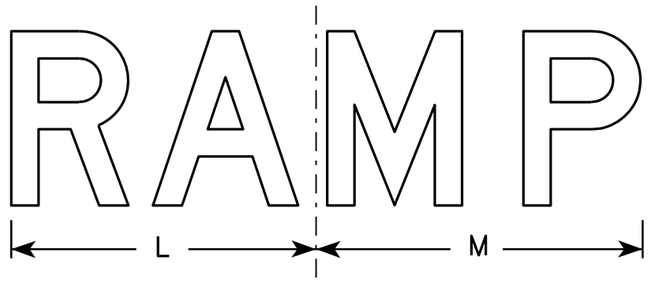
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 366	E



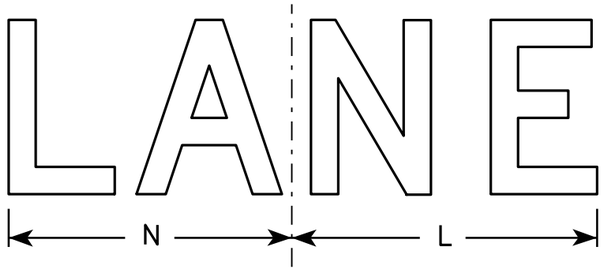
R11-2

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

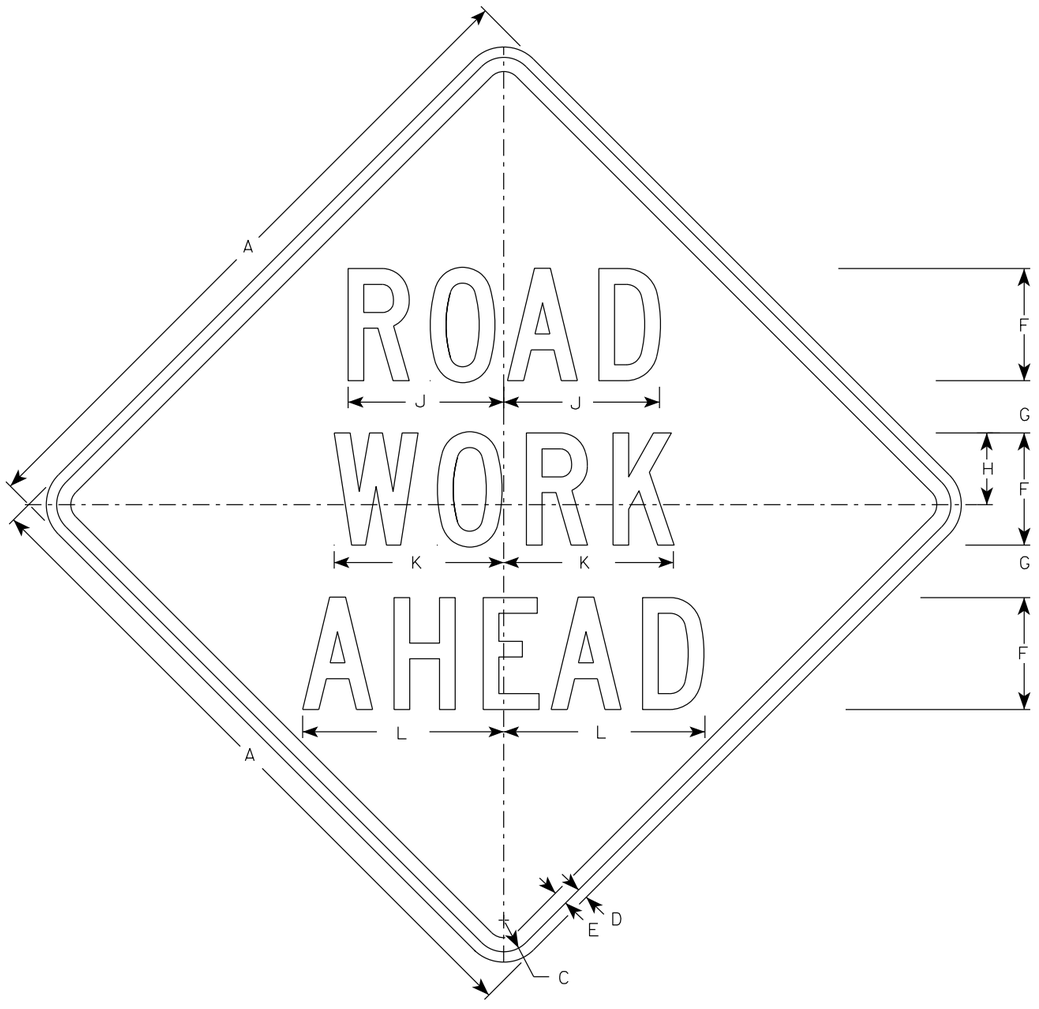
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

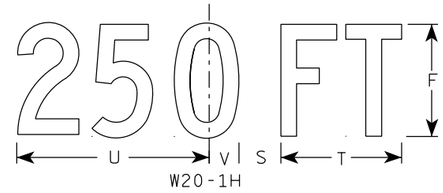
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

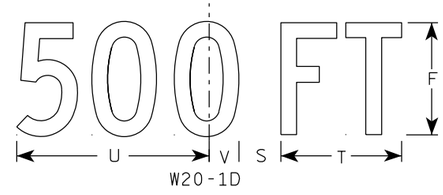
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 367 | E



W20-1A

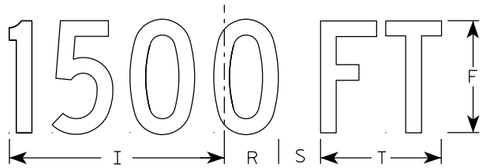


W20-1H



W20-1D

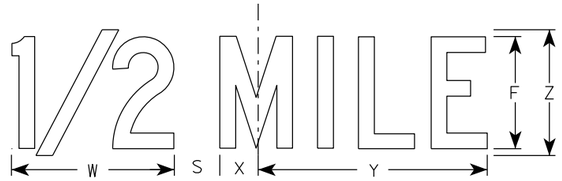
W20-1C



W20-1B

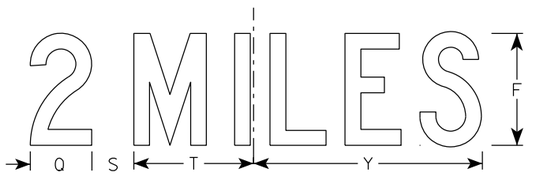
NOTES

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



W20-1G

W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, E, F, G & H

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11

PROJECT NO:

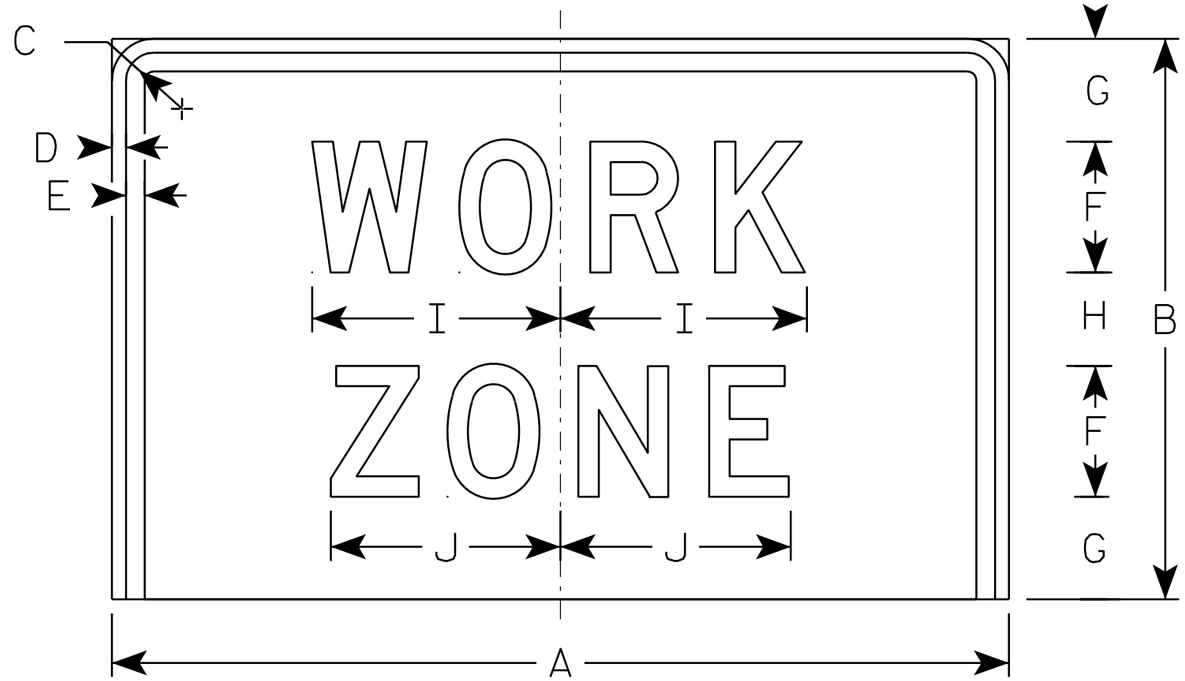
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

WISDOT/CADDS SHEET 42

7

7



W21-620

NOTES

1. Sign is Type II - Type F - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	12 1/4																	10.0
3																											
4																											
5																											

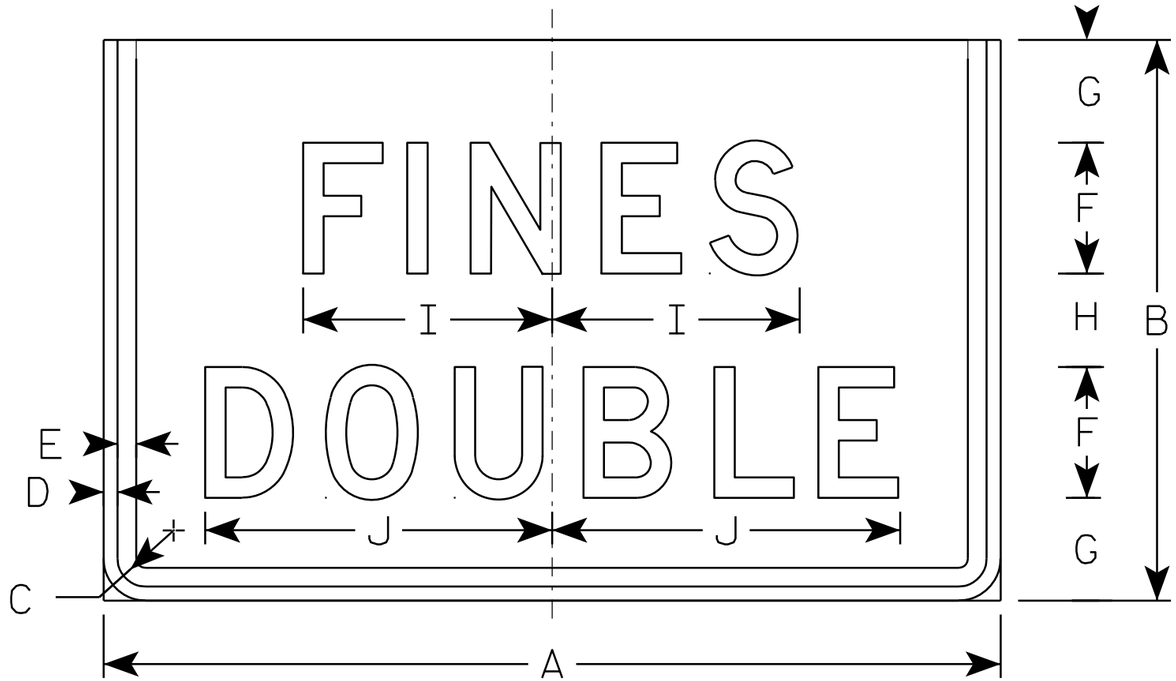
STANDARD SIGN
W21-620

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-620.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369	E



W21-62R

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	18 5/8																	10.0
2M	48	30	2 1/4	3/4	1	7	5 1/2	5	13 1/4	18 5/8																	10.0
3																											
4																											
5																											

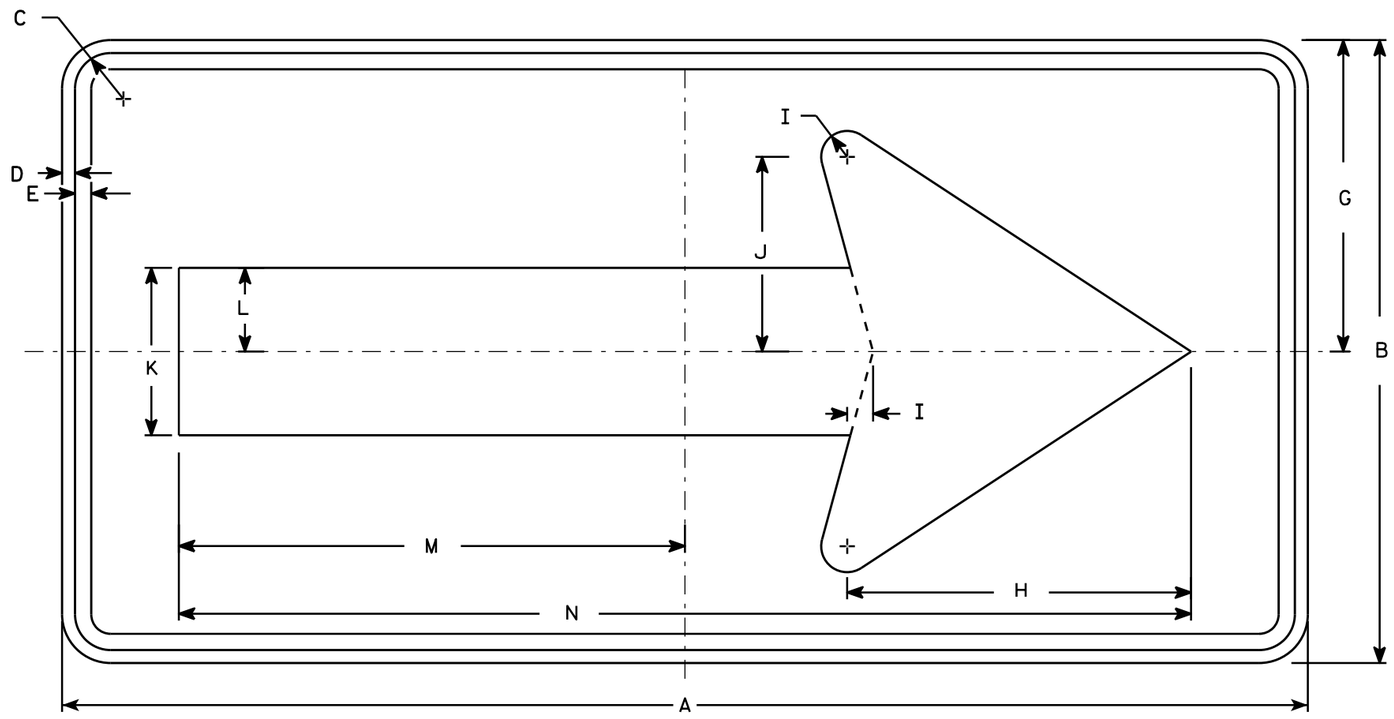
STANDARD SIGN
W21-62R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-62R.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 370	E



W01-6

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. 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	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

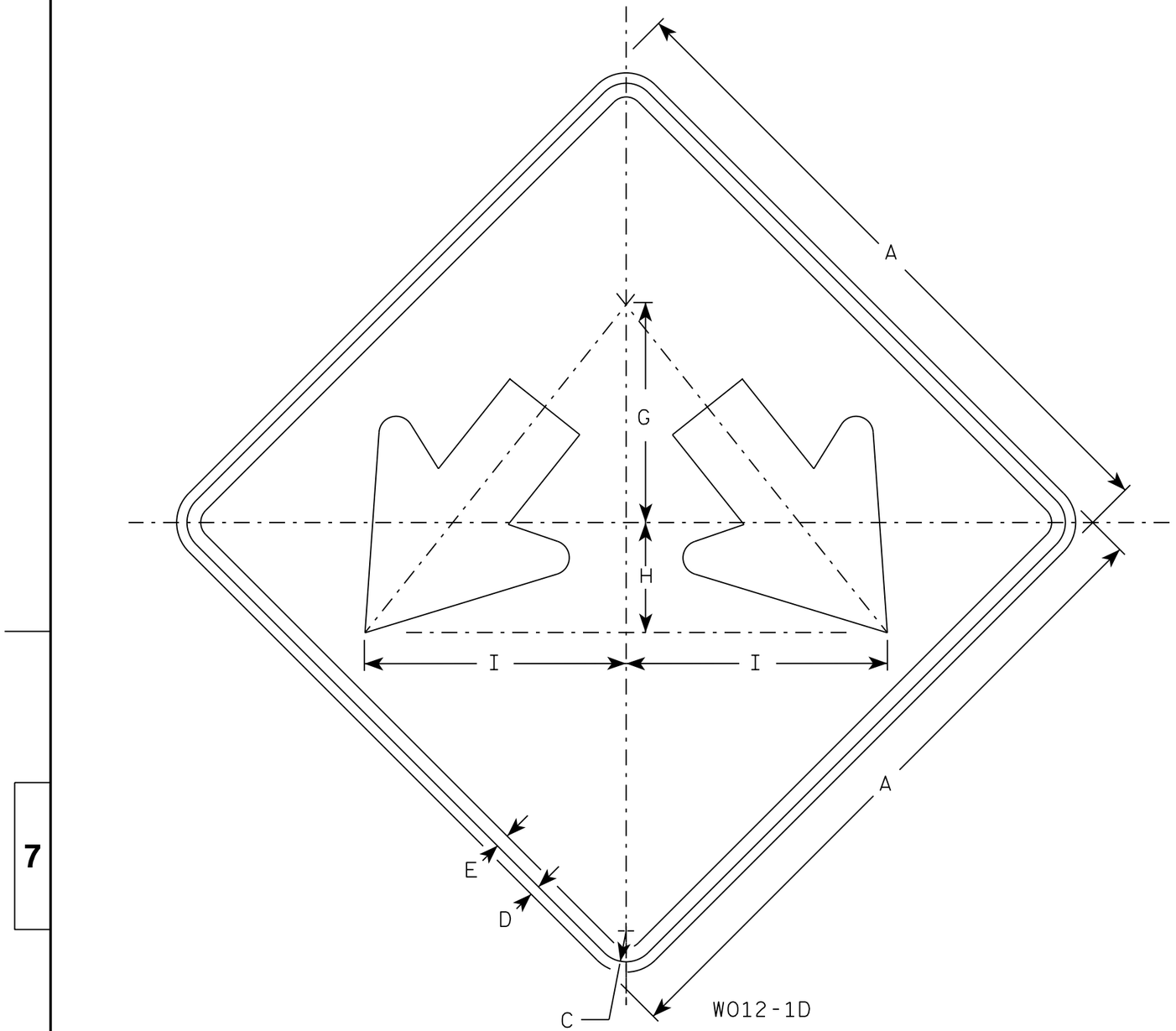
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

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

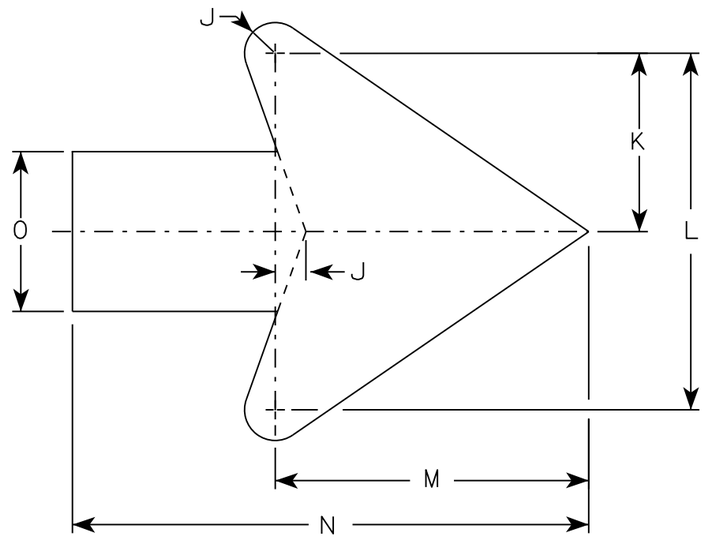
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W012-1D

NOTES

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



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

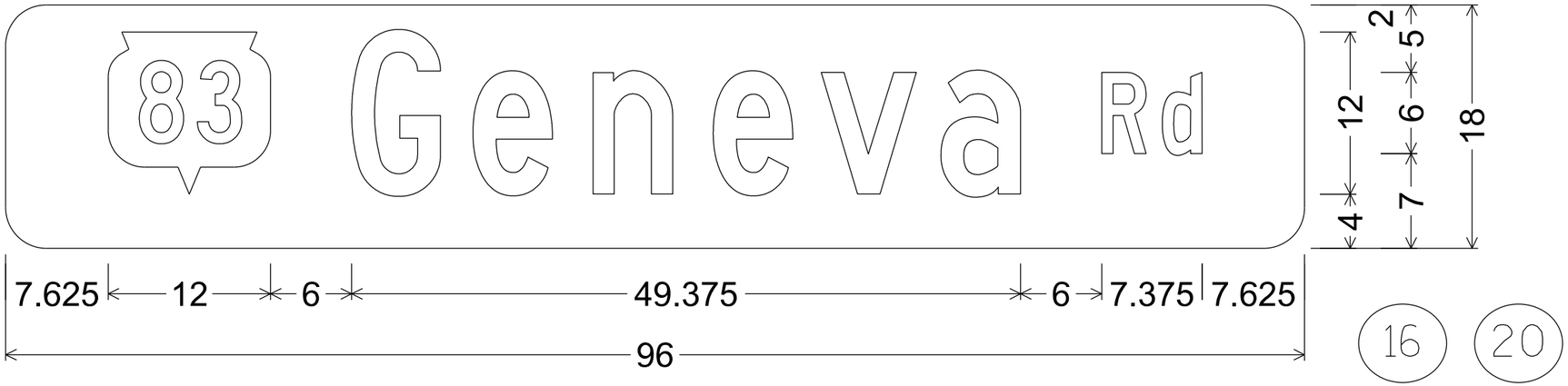
DATE 7/28/16 PLATE NO W012-1D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W0121D.DGN PLOT DATE : 11-AUG-2016 11:28 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.621375:1.000000

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - C



M1-94S; 3.000" Radius, No border

Wisconsin Department of Transportation

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through innovation and exceptional service.

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