WKE SEPTEMBER 2021

PROJECT ID: 2260-08-70

WITH: N/A

COUNTY: RACINE

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 = 388



10

DESIGN DESIGNATION

A.A.D.T.	2021	=	10,600
A.A.D.T.	2041	=	11,600
D.H.V.	2041	=	1,369
D.D.	2041	=	59/41
T.	2041	=	5.5%
DESIGN SPEED		=	35 MPH
ESALS		=	2,200,000

CONVENTIONAL SYMBOLS

COUNTY LINE
CORPORATE LIMITS
PROPERTY LINE
LIMITED EASEMENT
EXISTING RIGHT OF WAY
PROPOSED OR NEW R/W LINE
FENCE
GUARD RAIL
SLOPE INTERCEPT
ORIGINAL GROUND
MARSH OR ROCK PROFILE (To be noted as such) — ROCK
MARSH AREA
WOODED OR SHRUB AREA
STREAM OR WATER EDGE
BUSH
PINE TREE (SIZE)
TREE (SIZE)
TRAFFIC SIGNAL CONTROL CABINET
TRAFFIC SIGNAL
TRAFFIC SIGNAL MAST-ARM
TRAFFIC SIGNAL WITH LIGHT
EXISTING PULL BOX
BOLLARD

COMBUSTIBLE FLUIDS — CAUTION
UNDERGROUND UTILITIES
GAS (SIZE) G
SANITARY SEWER (SIZE) SAN
STORM SEWER (SIZE) SS
WATER (SIZE) W
ELECTRIC E
TELEPHONE T
FIBER OPTIC FO
CABLE TELEVISION TV
FORCE MAIN FM
MANHOLE MH
UTILITY PEDESTAL
FIBER OPTIC HAND HOLE HH
POWER POLE
TELEPHONE POLE
RAILROAD
HYDRANT
LIGHT POLE
RAILROAD SIGNAL
SIGN
TRANSMISSION TOWER
VALVE (TYPE)
CURB STOP CS
EXISTING CULVERT (SIZE, TYPE)
PROPOSED CULVERT (Box or Pipe)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

DURAND AVE, CITY OF RACINE

KEARNEY AVE TO EAST OF MEMORIAL DR

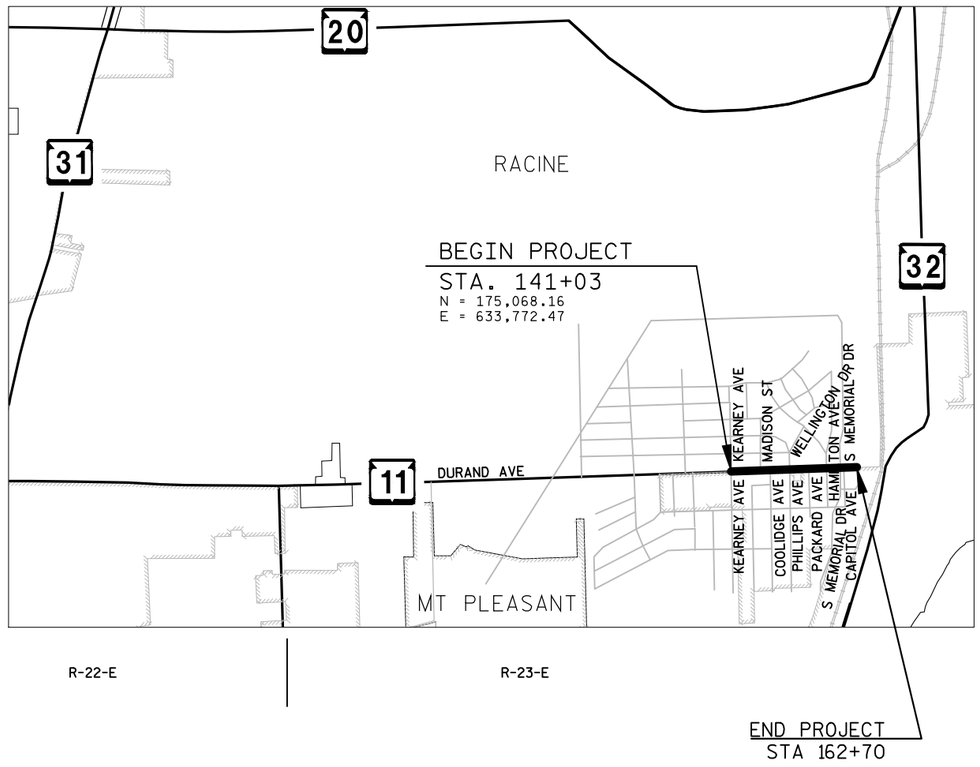
STH 11

RACINE COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2260-08-70	WISC 2021479	1

STATE PROJECT NUMBER 2260-08-70

R-22-E R-23-E T-3-N



LAYOUT SCALE 0 1/2 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.410 MILES

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY ZONE, NAD83 (2011).

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO NAVD88 (2012)

ACCEPTED FOR CITY of RACINE

4/28/21 (Date) (Signature) City Engineer (Title of Official)

ORIGINAL PLANS PREPARED BY

raSmith
CREATIVITY BEYOND ENGINEERING
rasmith.com

WISCONSIN JOHN A. ELKIN E-27876 BROOKFIELD WI PROFESSIONAL ENGINEER

4/19/21 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	raSmith
Designer	raSmith
Project Manager	ROBERT BELLIN
Regional Examiner	
Regional Supervisor	BENEDICT ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: 5/1/2021 (Signature)

E

GENERAL NOTES

1. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS IN THE AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
3. SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AT THE MATCHLINE AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
4. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. NO WORK MAY BEGIN UNTIL PROPER TRAFFIC CONTROL DEVICES ARE PLACED AND APPROVED BY THE ENGINEER.
5. SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.
6. EROSION CONTROL DEVICES AS SHOWN ON THE EROSION CONTROL SHEETS ARE AT SUGGESTED LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.
7. EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.
8. RE-TOPSOIL GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SOD AND FERTILIZE TOPSOIL AREAS, AS DESIGNATED BY THE ENGINEER, WITH FIVE (5) CALENDAR DAYS AFTER PLACE OF TOPSOIL. IF GRADED AREAS ARE EXPOSED FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.
9. VERIFY EXISTING CONCRETE PAVEMENT THICKNESS AND CONDITION AT SIDE ROAD CONSTRUCTION LIMITS PRIOR TO INSTALLING DRILLED DOWEL BARS, OR AS DIRECTED BY THE ENGINEER. ANY REINFORCEMENT LOCATED IN EXISTING CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING CONCRETE PAVEMENT ITEM, AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.
10. VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY THE ENGINEER IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS.
11. NOTIFY THE ENGINEER AND SEWRPC (ROB MERRY) AT LEAST TWO WEEKS PRIOR TO WORK NEAR ANY SECTION CORNER MONUMENT.
12. FOR INLET AND CATCH BASIN STRUCTURES LOCATED IN THE CURB, ELEVATIONS ARE GIVEN TO THE FLANGE LINE; STATION AND OFFSET ARE TO THE CENTER OF THE STRUCTURE. MANHOLE STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE CENTER OF THE STRUCTURE. SEE CONSTRUCTION DETAILS AND MISCELLANEOUS QUANTITIES.

HMA LAYERS		
4"	1 3/4" 2 1/4"	HMA PAVEMENT 4 LT 58-28 S UPPER LAYER HMA PAVEMENT 3 LT 58-28 S LOWER LAYER
6.5"	2 1/2" 4"	HMA PAVEMENT 4 LT 58-28 S UPPER LAYER HMA PAVEMENT 3 LT 58-28 S LOWER LAYER

DESIGN CONSULTANT
JOHN ELKIN
16745 W BLUEMOUND RD, SUITE 200
BROOKFIELD, WI 53005
(262) 781-1000
JOHN.ELKIN@RASMITH.COM

WISDOT
ROBERT BELLIN
141 NW BARSTOW ST
PO BOX 798
WAUKESHA, WI 53187
(262) 521-4405
ROBERT.BELLIN@DOT.WI.GOV

WISCONSIN DNR
BENTON STELZEL
141 NW BARSTOW ST
WAUKESHA, WI 53188
(262) 623-0194
BENTON.STELZEL@WISCONSIN.GOV

SOUTHEAST WISCONSIN REGIONAL PLANNING COMMISSION (SEWRPC)
ROB MERRY
W239 N1812 ROCKWOOD DR
PO BOX 1607
WAUKESHA, WI 53187
(262) 953-4289
RMERRY@SEWRPC.COM

CITY OF RACINE (LIGHTING, TRAFFIC SIGNALS, SANITARY SEWER)
ARA MOLITOR (CITY ENGINEER)
730 WASHINGTON AVE
RACINE, WI 53403
(262) 636-9487
ARA.MOLITOR@CITYOFRACINE.ORG

CITY OF RACINE TRANSIT (RYDE)
WILLIE MCDONALD
1900 KENTUCKY ST
RACINE, WI 53405
(262) 619-2443
WILLIE.MCDONALD@CITYOFRACINE.ORG

VILLAGE OF MT PLEASANT
ANTHONY BEYER (VILLAGE ENGINEER)
8811 CAMPUS DR
RACINE, WI 53406
(262) 664-7849
TBEYER@MTPLEASANTWI.GOV

UTILITIES

AT&T WISCONSIN
MICHAEL VANBOVEN
411 7TH ST
RACINE, WI 53406
(262) 636-0514
MV3658@ATT.COM

CITY OF RACINE - WATER
CHAD REGALIA
100 HUBBARD ST
RACINE, WI 53402
(262) 497-4611
CHAD.REGALIA@CITYOFRACINE.ORG

SPECTRUM
GERALD SCHULTZ
1320 N MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 232-7178
GERALD.SCHULTZ@CHARTER.COM

EVERSTREAM
SHAD GARCIA
324 E WISCONSIN AVE, SUITE 730
MILWAUKEE, WI 53202
(414) 409-1708
SGARCIA@EVERSTREAM.NET

WE ENERGIES - ELECTRIC
JAMES NELSON
7815 NORTHWESTERN AVE
RACINE, WI 53406
(262) 884-6734
JAMES.NELSON@WE-ENERGIES.COM

WE ENERGIES - GAS
WESLEY NUNN
7815 NORTHWESTERN AVE
RACINE, WI 53406
(262) 659-4933
WESLEY.NUNN@WE-ENERGIES.COM

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PLAN DETAILS
CURB RAMP DETAILS
EROSION CONTROL
STORM SEWER
UTILITY DETAILS
PERMANENT SIGNING
LIGHTING REMOVAL
LIGHTING PLAN
TRAFFIC SIGNAL REMOVAL
TRAFFIC SIGNAL PLAN
PAVEMENT MARKING
TRAFFIC CONTROL
DETOURS
ALIGNMENT

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

2

CITY OF RACINE

BEGIN PROJECT 2260-08-70
STA. 141+03
N = 175,068.16
E = 633,772.47

KEARNEY AVE

MADISON ST

STOP-SIGN CONTROL ON SIDE ROAD

DURAND AVE

WELLINGTON DR

STH 11

STH 11 R/L

HAMILTON AVE

S MEMORIAL DR

MEMORIAL DR R/L

TRAFFIC-SIGNAL CONTROL

END CONSTRUCTION
STA. 81+75

END PROJECT
STA. 162+70.00

R-51-32
TO REMAIN

UNION PACIFIC RAILROAD

STH 32 / SHERIDAN RD

VILLAGE OF
MT PLEASANT

145 150 155 160 165

90 89 88 87 86 85 84 83 82 81 80 79 78 77 76 75 74 73 72 71

STOP-SIGN CONTROL ON SIDE ROAD

COOLIDGE AVE

STOP-SIGN CONTROL ON SIDE ROADS

PHILLIPS AVE

STOP-SIGN CONTROL ON SIDE ROAD

PACKARD AVE

STOP-SIGN CONTROL ON SIDE ROADS RIGHT IN/ RIGHT OUT ONLY

HAMILTON AVE

R-51-33
TO REMAIN

B-51-116
TO REMAIN

STOP-SIGN CONTROL ON SIDE ROAD RIGHT IN/RIGHT OUT ONLY

CAPITOL AVE

GLENDALE AVE

END MEDIAN REPLACEMENT
STA. 163+75.00

MUNICIPAL BOUNDARY

STOP-SIGN CONTROL ON SIDE ROAD

VILLAGE OF MT PLEASANT

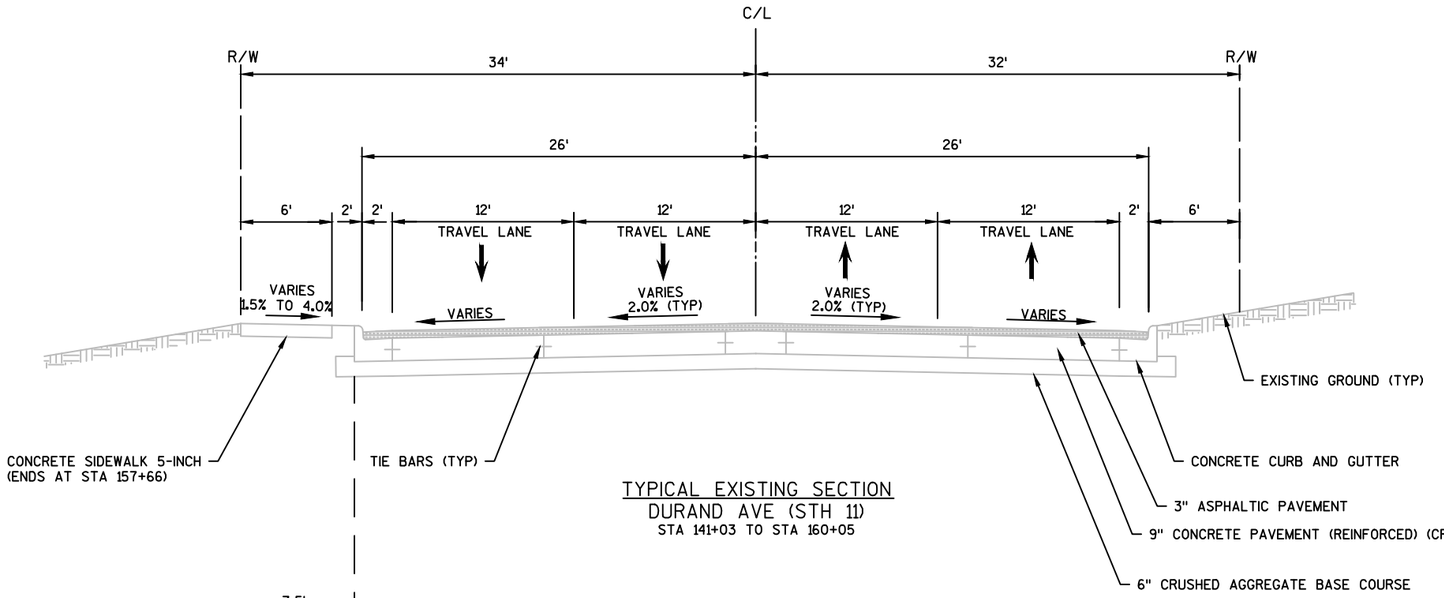
BEGIN CONSTRUCTION
STA. 76+98.00

VILLAGE OF MT PLEASANT

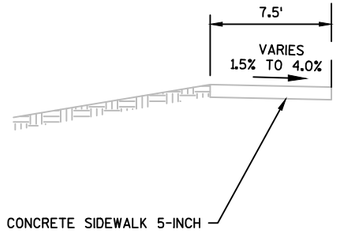
PETROLEUM-CONTAMINATED SOIL

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 3	E

2



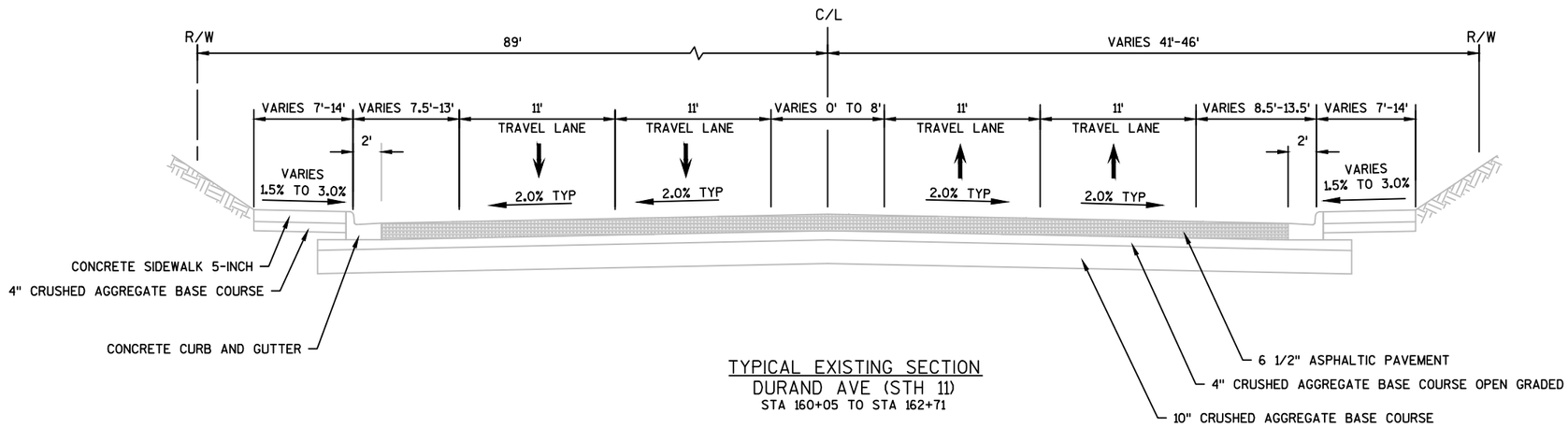
TYPICAL EXISTING SECTION
DURAND AVE (STH 11)
STA 141+03 TO STA 160+05



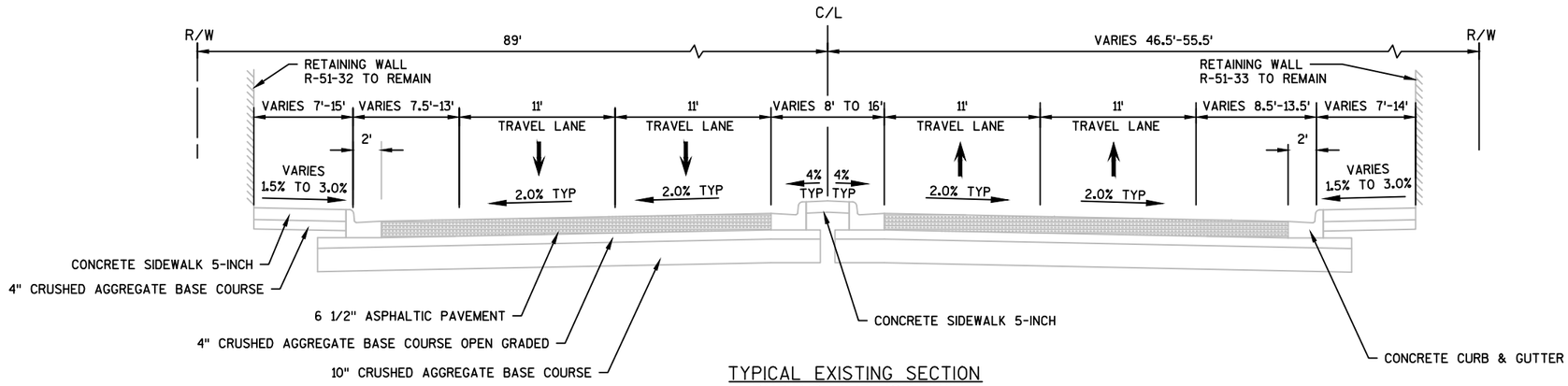
STA 153+62 TO STA 156+92

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 4	E

2



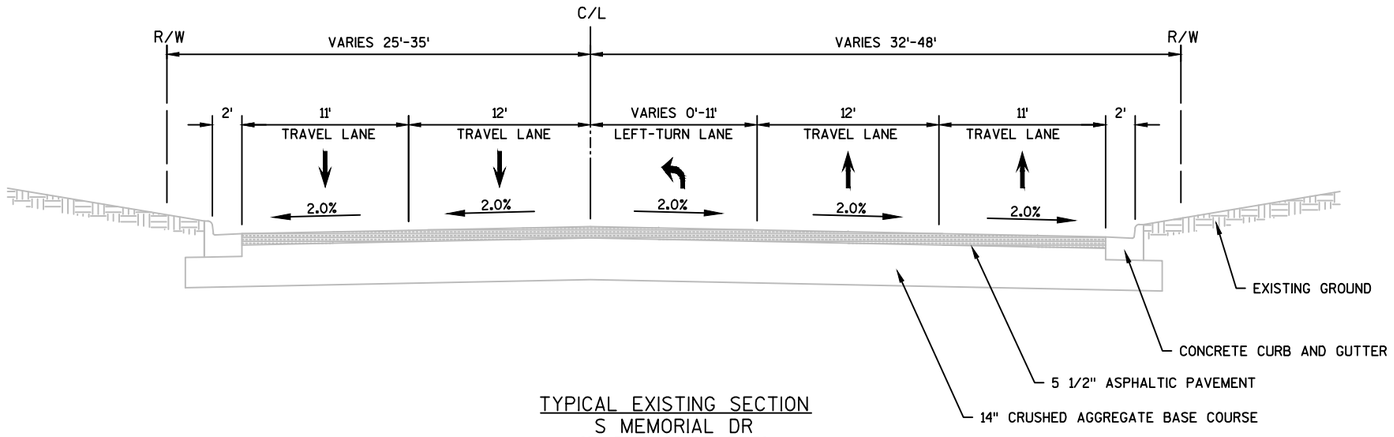
TYPICAL EXISTING SECTION
DURAND AVE (STH 11)
STA 160+05 TO STA 162+71



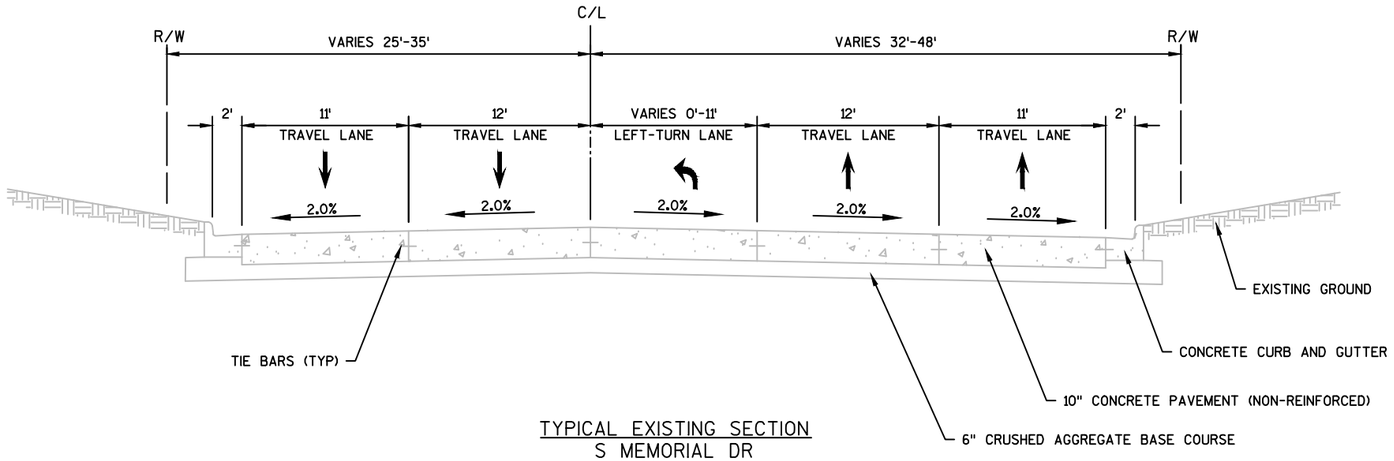
TYPICAL EXISTING SECTION
DURAND AVE (STH 11)
STA 162+71 TO STA 163+75

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 5	E

2



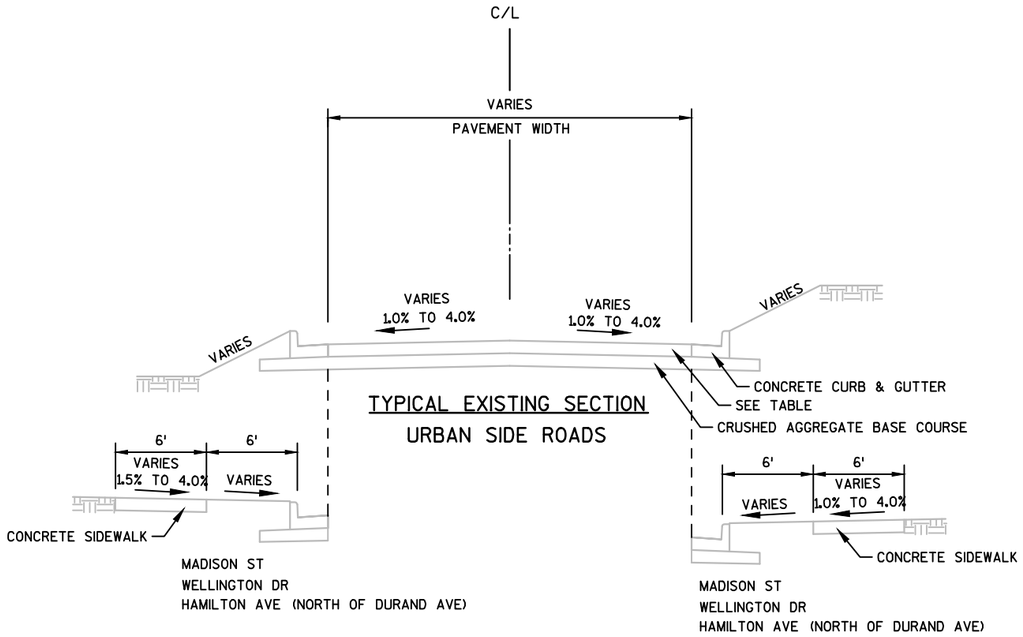
TYPICAL EXISTING SECTION
S MEMORIAL DR
STA 76+98 TO STA 78+39



TYPICAL EXISTING SECTION
S MEMORIAL DR
STA 78+39 TO STA 81+75

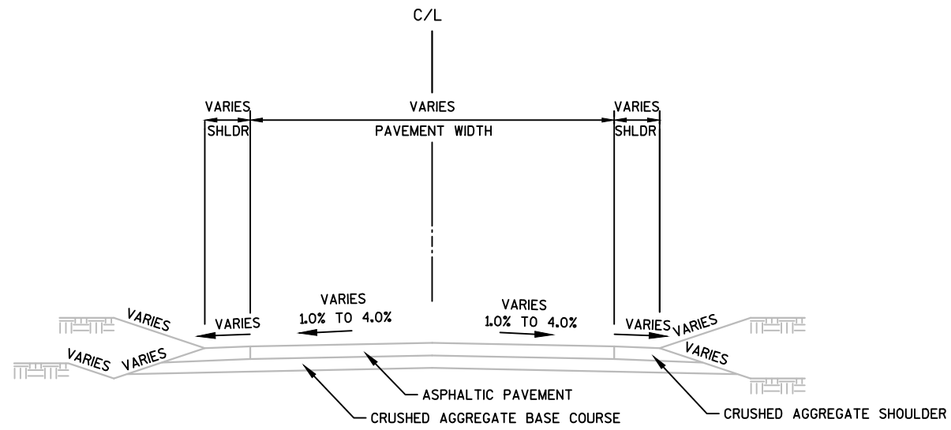
PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 6	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-TS - 03
PLOT DATE : 4/27/2021 11:06 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42



TYPICAL EXISTING SECTION
URBAN SIDE ROADS

SIDE STREET	PAVEMENT WIDTH	PAVEMENT TYPE
MADISON ST	32'	CONCRETE
PHILLIPS AVE	32'	ASPHALT
WELLINGTON DR	32'	CONCRETE
PACKARD AVE	32'	ASPHALT
HAMILTON AVE (NORTH OF DURAND AVE)	42'-46'	CONCRETE

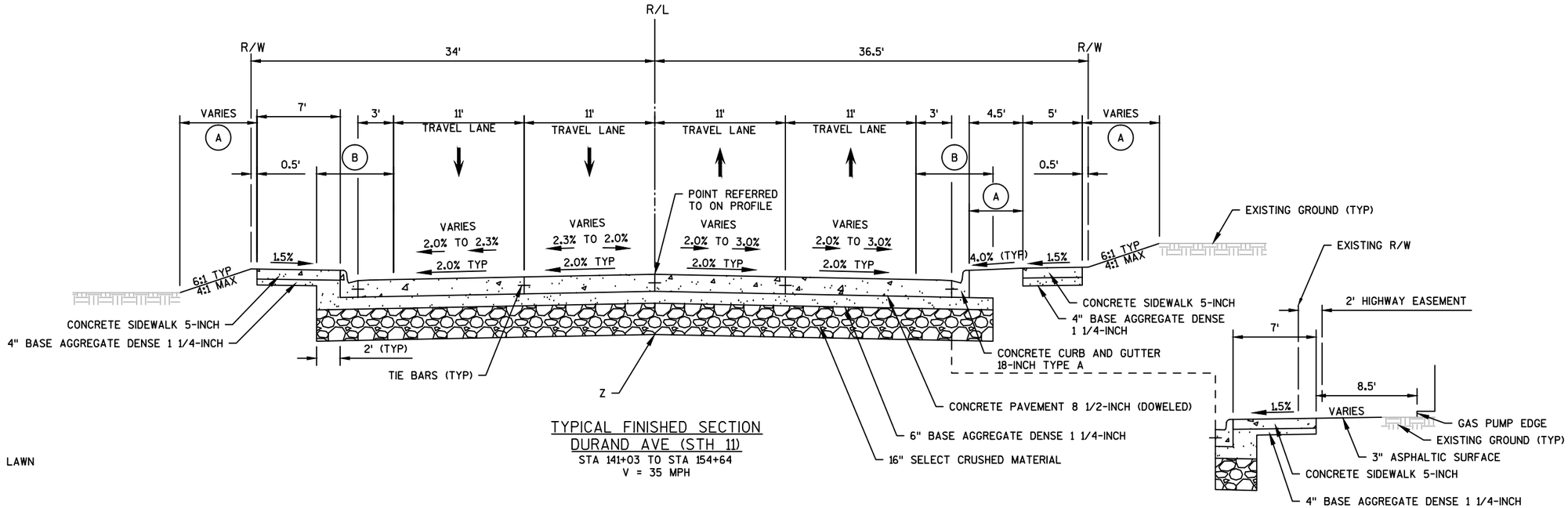


TYPICAL EXISTING SECTION
RURAL SIDE ROADS

SIDE STREET	PAVEMENT WIDTH	SHOULDER WIDTH
COOLIDGE AVE	25'-30'	0'-2'
HAMILTON AVE (SOUTH OF DURAND AVE)	40'-44'	0'

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 7	E

2



TYPICAL FINISHED SECTION
DURAND AVE (STH 11)
STA 141+03 TO STA 154+64
V = 35 MPH

COMMERCIAL WALK
STA 150+93 TO STA 152+15 RT

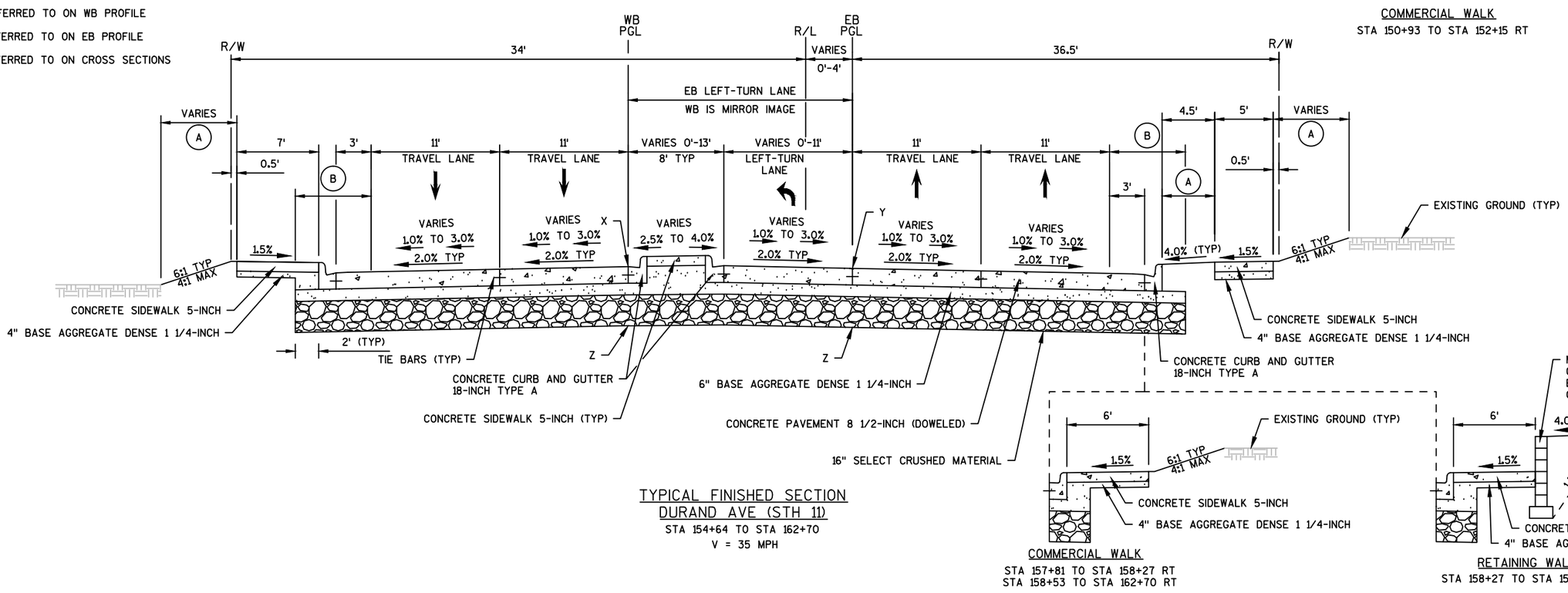
(A) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

(B) LATERAL CLEARANCE 6'

X = POINT REFERRED TO ON WB PROFILE

Y = POINT REFERRED TO ON EB PROFILE

Z = POINT REFERRED TO ON CROSS SECTIONS

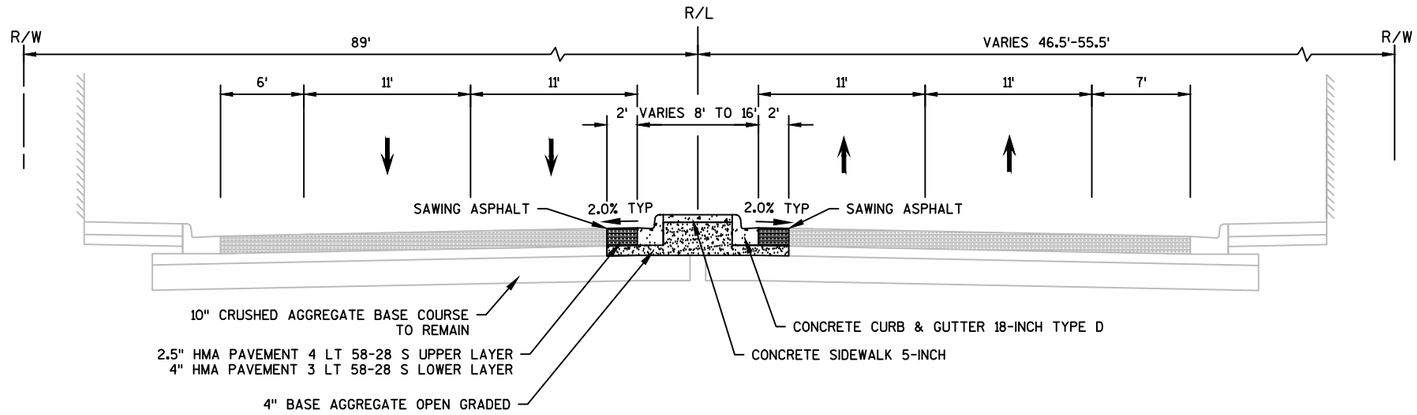


TYPICAL FINISHED SECTION
DURAND AVE (STH 11)
STA 154+64 TO STA 162+70
V = 35 MPH

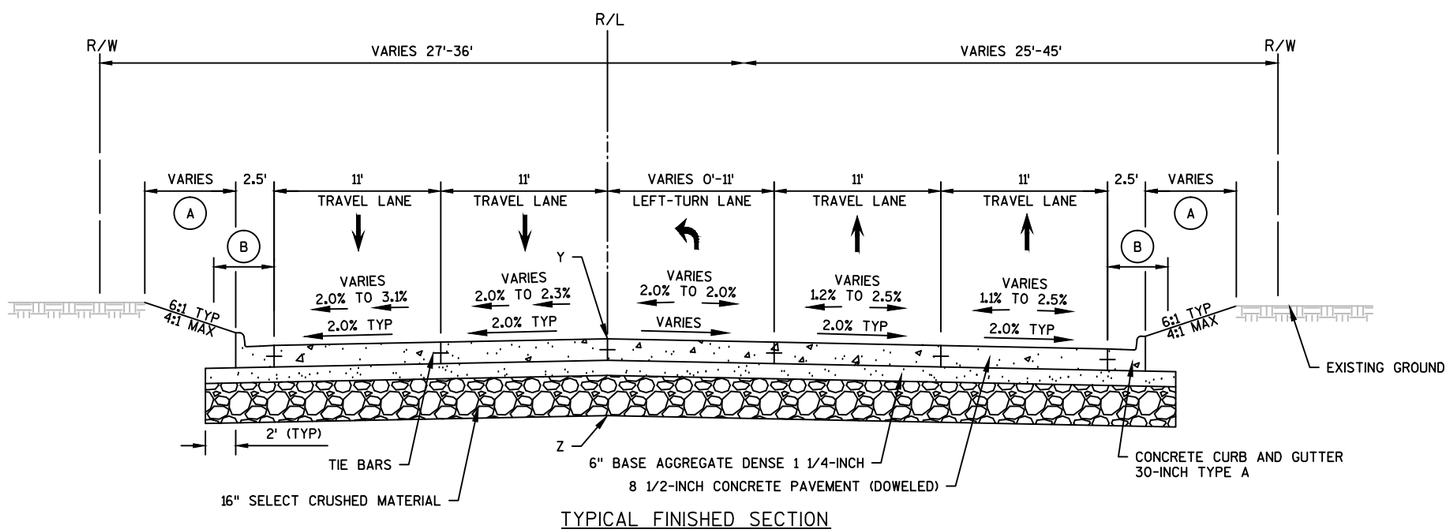
COMMERCIAL WALK
STA 157+81 TO STA 158+27 RT
STA 158+53 TO STA 162+70 RT

RETAINING WALL
STA 158+27 TO STA 158+53 RT

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN: TYPICAL SECTIONS	SHEET 8	E



TYPICAL FINISHED SECTION
DURAND AVE (STH 11)
STA 162+70 TO STA 163+75
V = 35 MPH



TYPICAL FINISHED SECTION
S MEMORIAL DR
STA 76+98 TO STA 81+75
V = 40 MPH (SOUTH OF DURAND AVE)
V = 35 MPH (NORTH OF DURAND AVE)

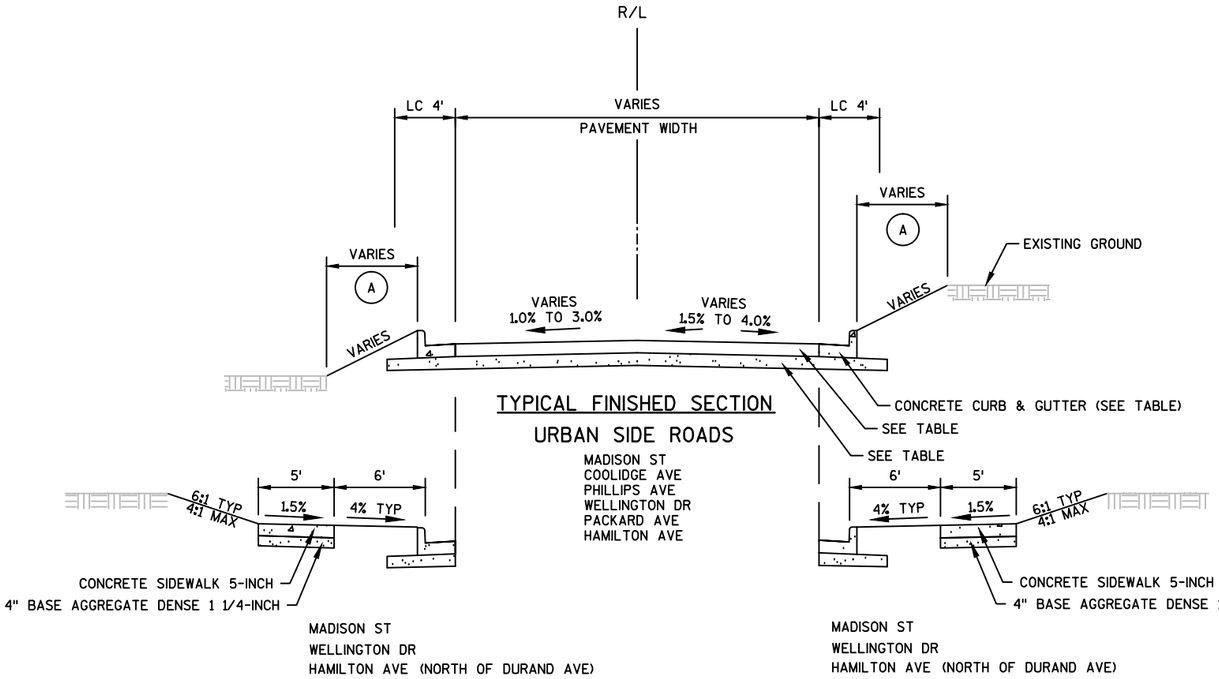
(A) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

(B) LATERAL CLEARANCE 4'

Y = POINT REFERRED TO ON PROFILE

Z = POINT REFERRED TO ON CROSS SECTIONS

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN: TYPICAL SECTIONS	SHEET 9	E

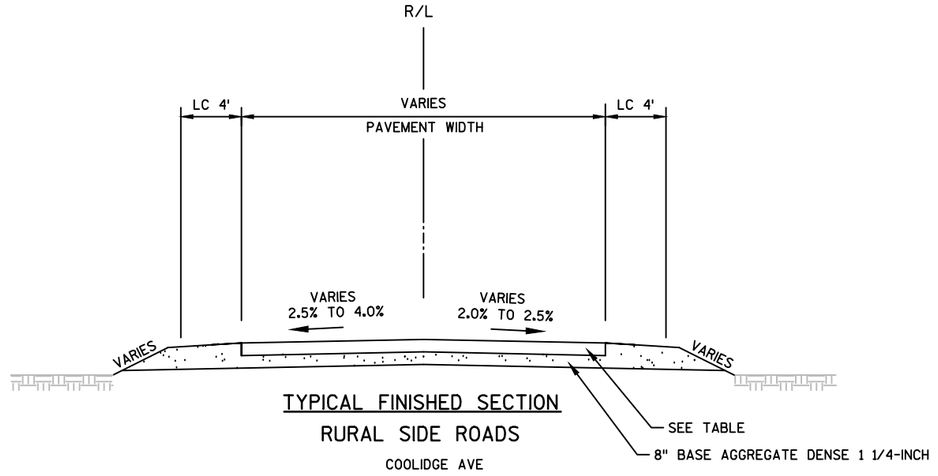


TYPICAL FINISHED SECTION

URBAN SIDE ROADS

MADISON ST
COOLIDGE AVE
PHILLIPS AVE
WELLINGTON DR
PACKARD AVE
HAMILTON AVE

MADISON ST
WELLINGTON DR
HAMILTON AVE (NORTH OF DURAND AVE)



TYPICAL FINISHED SECTION

RURAL SIDE ROADS

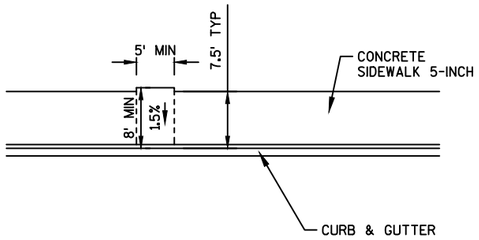
COOLIDGE AVE

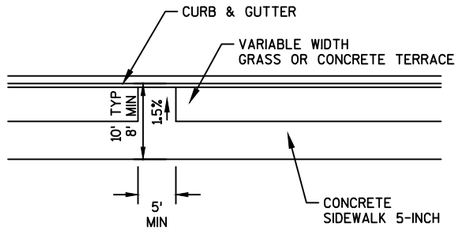
MADISON ST
WELLINGTON DR
HAMILTON AVE (NORTH OF DURAND AVE)

(A) TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN

LC = LATERAL CLEARANCE

SIDE STREET	PAVEMENT WIDTH	PAVEMENT	BASE	CURB TYPE
MADISON ST	32'	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	6" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE A
COOLIDGE AVE	25'-30'	1 3/4" HMA PAVEMENT TYPE 4LT 58-S8 S UPPER LAYER 2 1/4" HMA PAVEMENT TYPE 3LT 58-S8 S LOWER LAYER	8" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE D
PHILLIPS AVE	32'	1 3/4" HMA PAVEMENT TYPE 4LT 58-S8 S UPPER LAYER 2 1/4" HMA PAVEMENT TYPE 3LT 58-S8 S LOWER LAYER	8" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE D
WELLINGTON DR	32'	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	6" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE A
PACKARD AVE	32'	1 3/4" HMA PAVEMENT TYPE 4LT 58-S8 S UPPER LAYER 2 1/4" HMA PAVEMENT TYPE 3LT 58-S8 S LOWER LAYER	8" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE D
HAMILTON AVE (NORTH OF DURAND AVE)	42'-46'	CONCRETE PAVEMENT 8 1/2-INCH (DOWELED)	6" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE A
HAMILTON AVE (SOUTH OF DURAND AVE)	40'-44'	1 3/4" HMA PAVEMENT TYPE 4LT 58-S8 S UPPER LAYER 2 1/4" HMA PAVEMENT TYPE 3LT 58-S8 S LOWER LAYER	8" BASE AGGREGATE DENSE 1 1/4-INCH	18-INCH TYPE D





NOTES:
1. SLOPE OF ADA BUS STOP SHALL BE 1.5% IN ALL DIRECTIONS.
2. NON SLIP SURFACE REQUIRED (BROOM FINISH).

TYPICAL DETAIL OF BUS STOP - LT

STA 143+56 LT
STA 151+23 LT
STA 156+20 LT
STA 162+15 LT

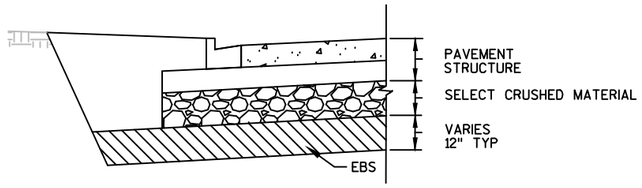
TYPICAL DETAIL OF BUS STOP - RT

STA 143+41 RT
STA 150+07 RT
STA 155+58 RT

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 5.72 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 5.63 ACRES

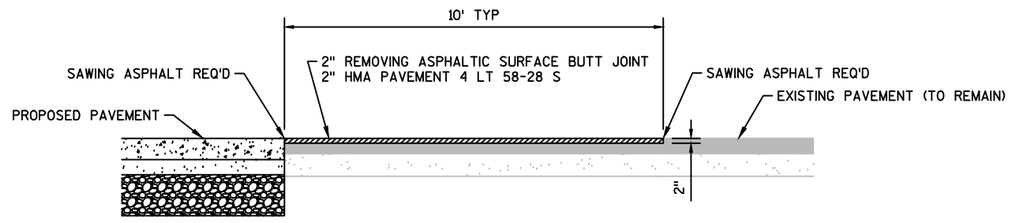


NOTES:
1. USE AS DIRECTED BY ENGINEER FOR AREAS OF UNSTABLE SUBGRADE.
2. NO EBS WILL BE ALLOWED IN THE FIELD WITHOUT A FAILED PROOF ROLL
3. EBS SHALL BE PAID FOR AS COMMON EXCAVATION.
4. EBS BACKFILL SHALL BE SELECT CRUSHED MATERIAL OR AS DIRECTED BY THE ENGINEER.
5. PIPE UNDERDRAIN 6-INCH TO BE USED WITHIN 50 FEET OF ROADWAY LOW POINTS. WRAP UNDERDRAIN TRENCH WITH GEOTEXTILE FABRIC TYPE DF SCHEDULE A. TOTAL FABRIC WIDTH IS 4' FOR PAYMENT.

EXCAVATION BELOW SUBGRADE (EBS)

FINAL LOCATIONS AND DEPTHS TO BE DETERMINED BY THE ENGINEER

STA 154+50 TO STA 157+00 (DURAND AVE)
STA 77+00 TO STA 80+00 (S MEMORIAL DR)

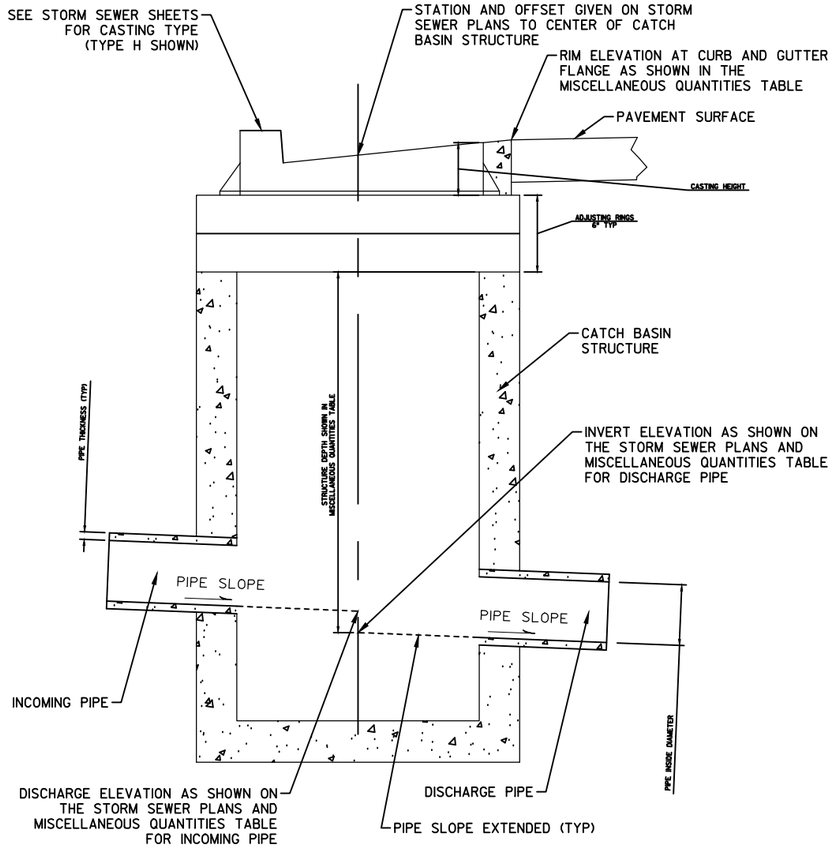


BUTT JOINTS

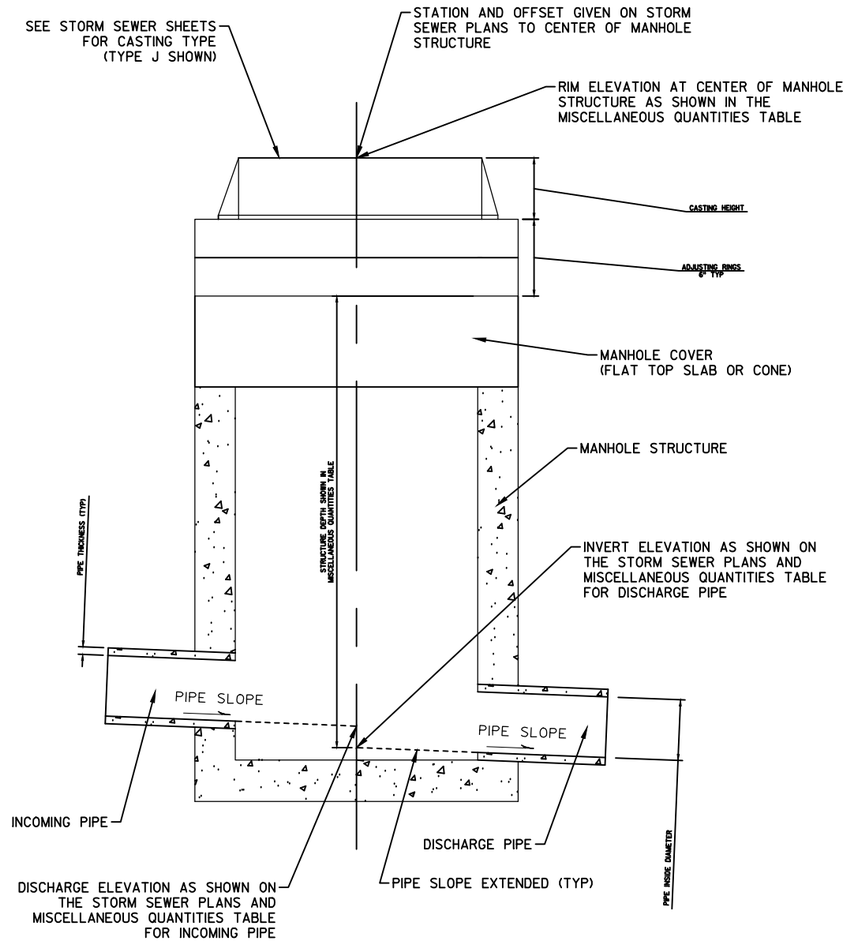
DURAND AVE STA 162+70 RT
DURAND AVE STA 162+78 LT
S MEMORIAL DR STA 76+98

FILE NAME : T:\1142715\Civil3D\22600800\SheetsPlan\021001-cd.dwg
LAYOUT NAME - 021001-CD - 01
PLOT DATE : 9/18/2019 10:29 AM PLOT BY : ---- PLOT NAME : PLOT SCALE : 1 IN:20 FT
WISDOT/CADDS SHEET 42

2



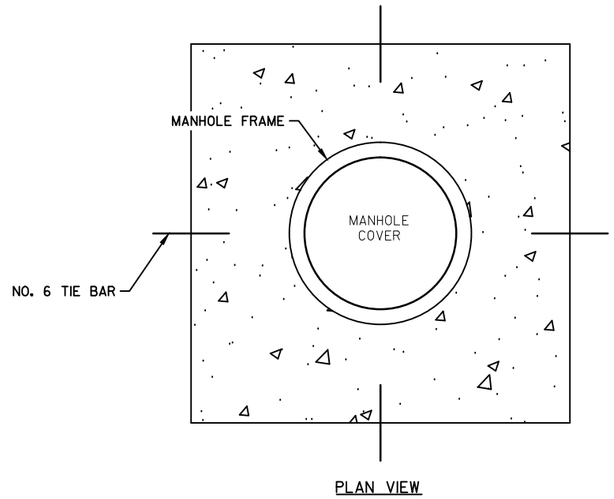
CATCH BASINS



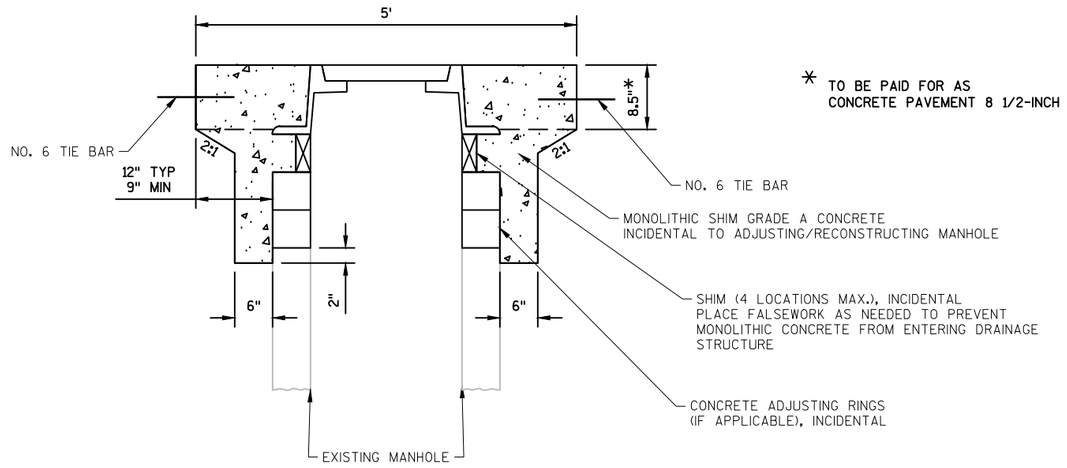
MANHOLES

STRUCTURE DEPTH DEFINITION

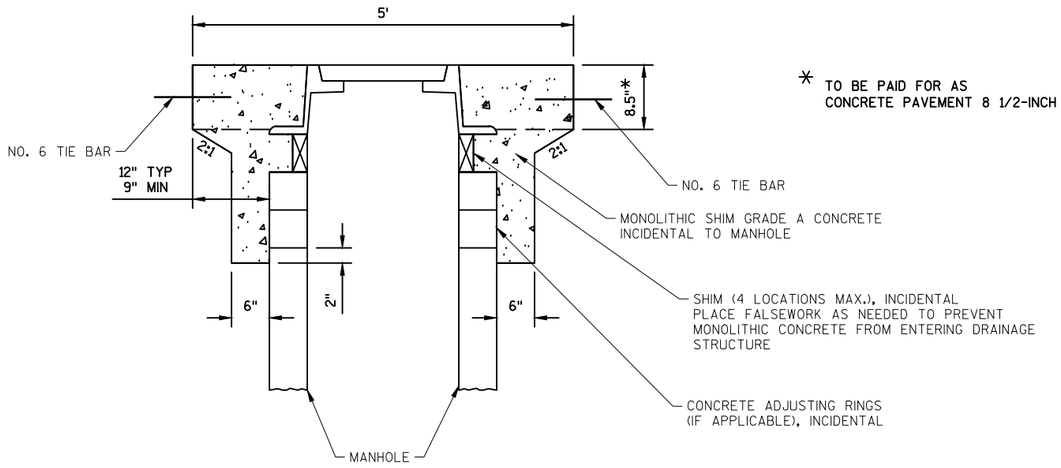
SEE MONOLITHIC SHIM DETAILS FOR ADDITIONAL INFORMATION



PLAN VIEW



ADJUSTING/RECONSTRUCTING MANHOLE MONOLITHIC SHIM

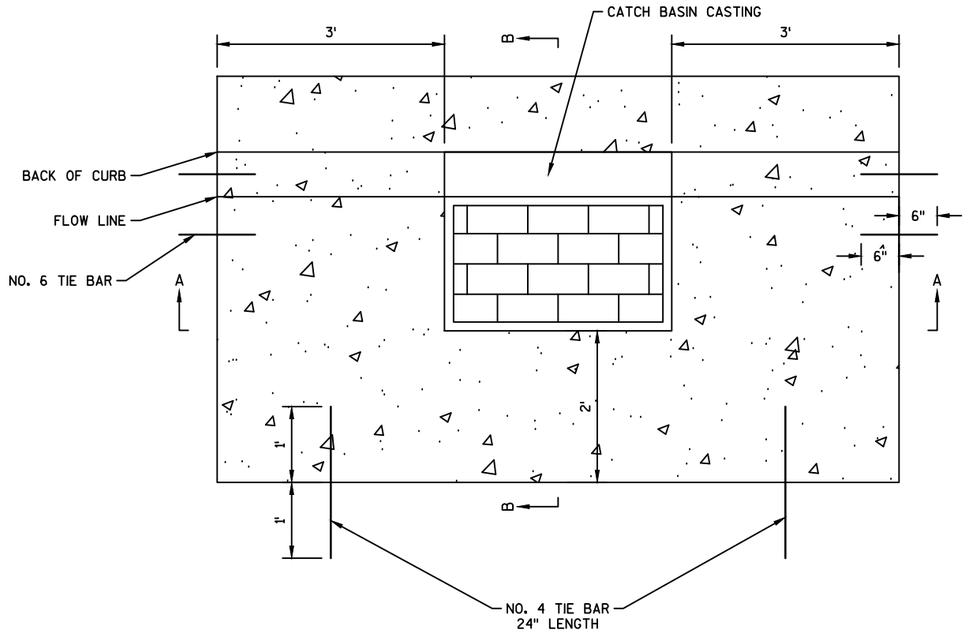


NEW MANHOLE MONOLITHIC SHIM

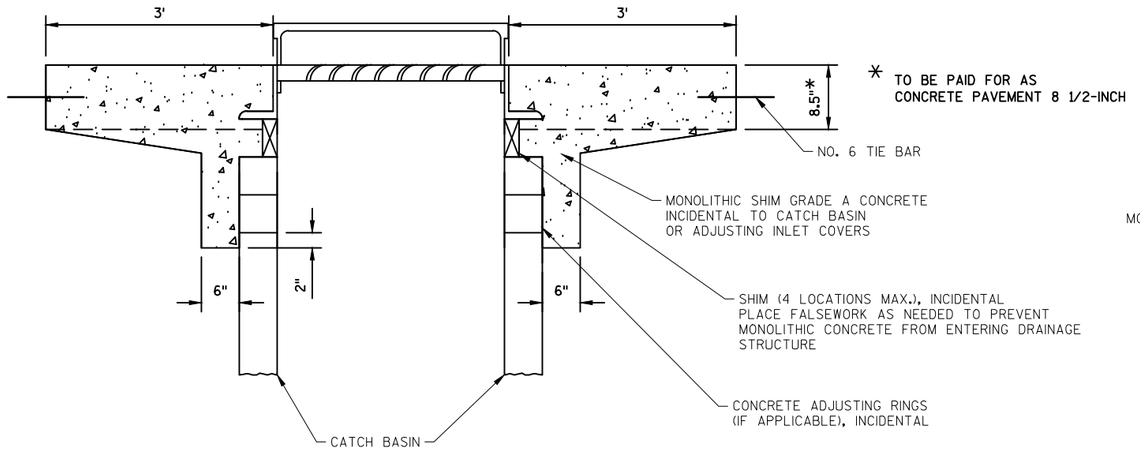
MANHOLE MONOLITHIC SHIM DETAIL

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 13	E

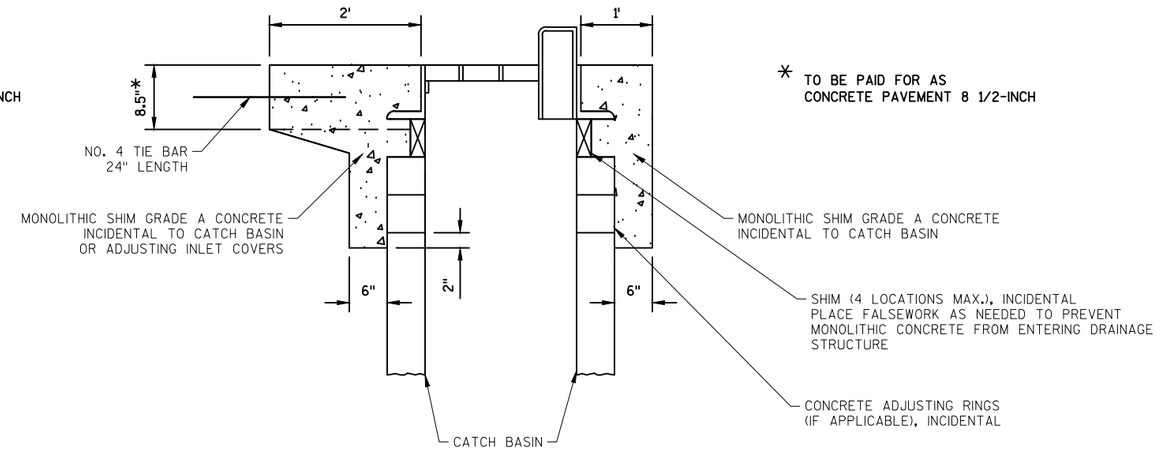
2



PLAN VIEW

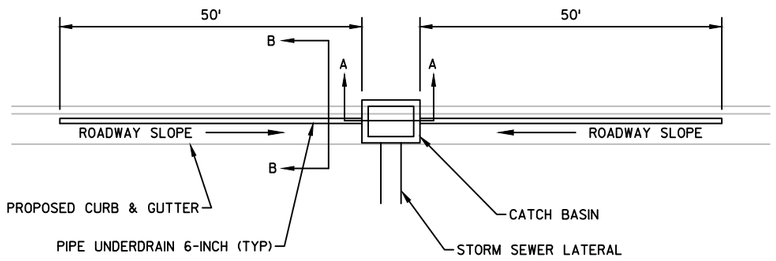


SECTION A-A

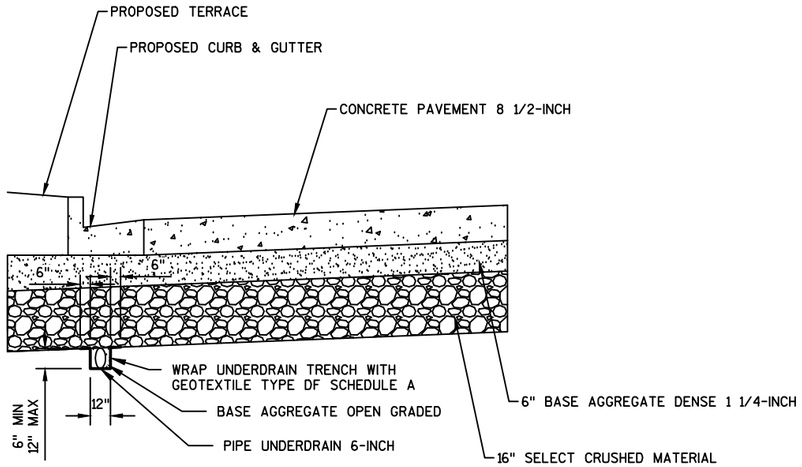


SECTION B-B

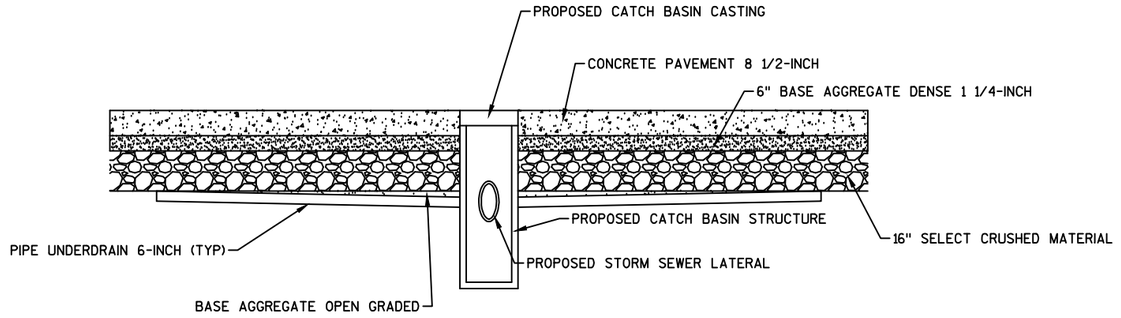
CATCH BASIN MONOLITHIC SHIM DETAIL



PLAN VIEW



SECTION VIEW
SECTION B-B



PROFILE VIEW
SECTION A-A

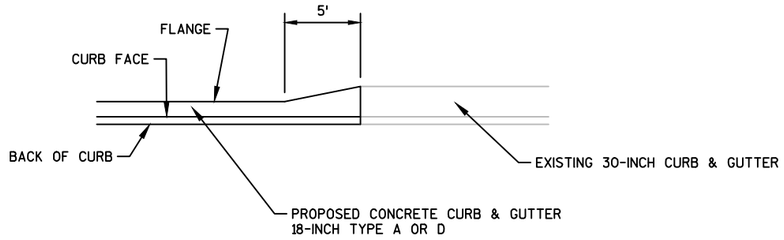
NOTES:

1. WRAP THE UNDERDRAIN TRENCH WITH GEOTEXTILE TYPE DF SCHEDULE A. OVERLAP THE FABRIC BY 6" AT THE TOP OF THE TRENCH. TOTAL FABRIC WIDTH IS 4' FOR PAYMENT.
2. SLOPE THE UNDERDRAIN PIPE AT 0.5% MINIMUM, 1.0% DESIRABLE.
3. CONNECT THE UNDERDRAIN TO THE CATCH BASIN (INCIDENTAL TO PIPE UNDERDRAIN 6-INCH). MORTAR THE UNDERDRAIN TO THE CATCH BASIN STRUCTURE.

UNDERDRAIN PLACEMENT AT LOW POINT CATCH BASINS

DURAND AVE CATCH BASIN CONNECTIONS
STA 156+04 RT
STA 156+13 LT & RT
STA 156+23 LT

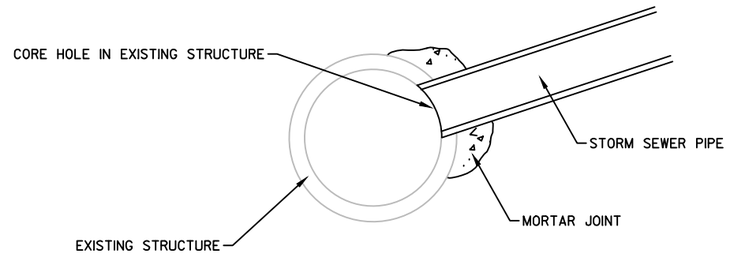
S MEMORIAL DR CATCH BASIN CONNECTIONS
STA 78+69 LT
STA 78+70 RT
STA 78+79 LT
STA 78+80 RT
STA 81+17 RT
STA 81+22 LT
STA 81+29 RT
STA 81+32 LT



CURB & GUTTER TRANSITION AT SIDE ROAD CONSTRUCTION LIMITS

TRANSITION PAID AS CONCRETE CURB & GUTTER 18-INCH TYPE A OR D

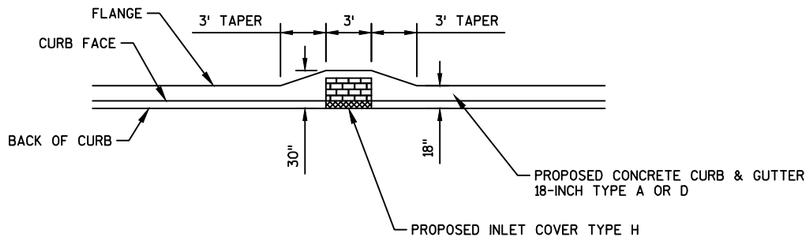
MADISON ST
PHILLIPS AVE
WELLINGTON DR
PACKARD AVE
HAMILTON AVE (NORTH)



CONNECTION OF PROPOSED PIPE TO EXISTING STRUCTURE

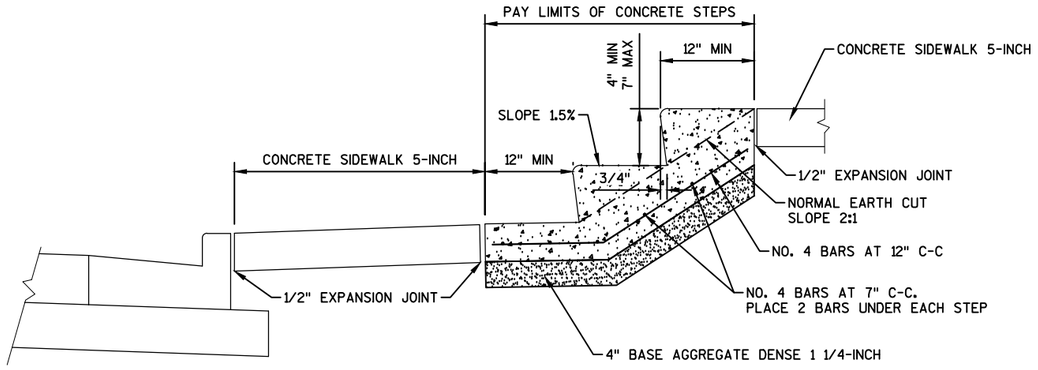
STA 145+54, 17' LT
STA 150+36, 52' RT
STA 156+81, 19' LT
STA 157+14, 1' LT
STA 158+63, 3' LT
STA 160+24, 0'
STA 162+43, 3' LT
STA 162+50, 40' LT

CONNECT STORM SEWER PIPE TO EXISTING STRUCTURE IN ACCORDANCE TO STANDARD SPEC 611.3.2.
CONNECTION OF PROPOSED PIPE TO EXISTING STRUCTURE IS PAID AS RECONSTRUCTING MANHOLES.
CONNECTIONS OF MULTIPLE PROPOSED PIPES TO A MANHOLE IS QUANTIFIED AS ONE RECONSTRUCTING MANHOLE.



CONCRETE CURB & GUTTER 18-INCH AT INLET COVERS TYPE H

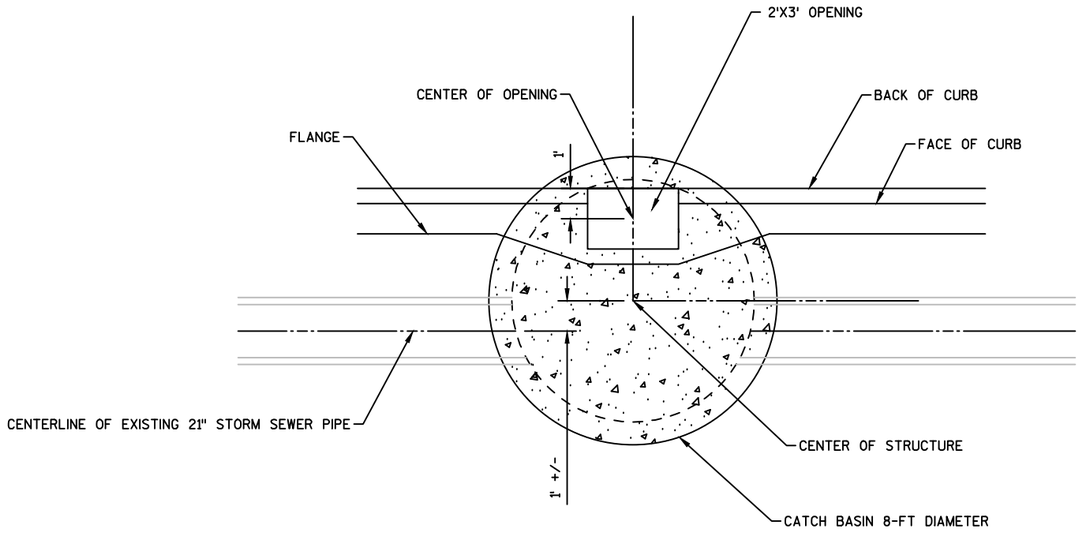
ALL CURB & GUTTER PAID AS CONCRETE CURB & GUTTER 18-INCH TYPE A OR D



CONCRETE STEPS

STA 146+20, LT
STA 147+69, LT
STA 151+90, LT

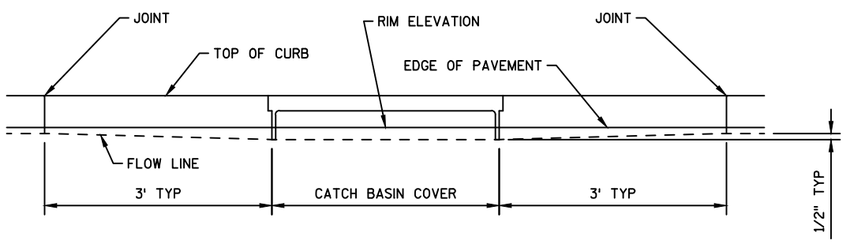
NOTES:
1. THE EXACT LOCATION, WIDTHS, & NUMBER OF STEPS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. MINIMUM WIDTH OF STEP EQUALS THE WIDTH OF THE PRIVATE SIDEWALK.
3. ALL STEPS SHALL HAVE THE SAME RISER HEIGHT.



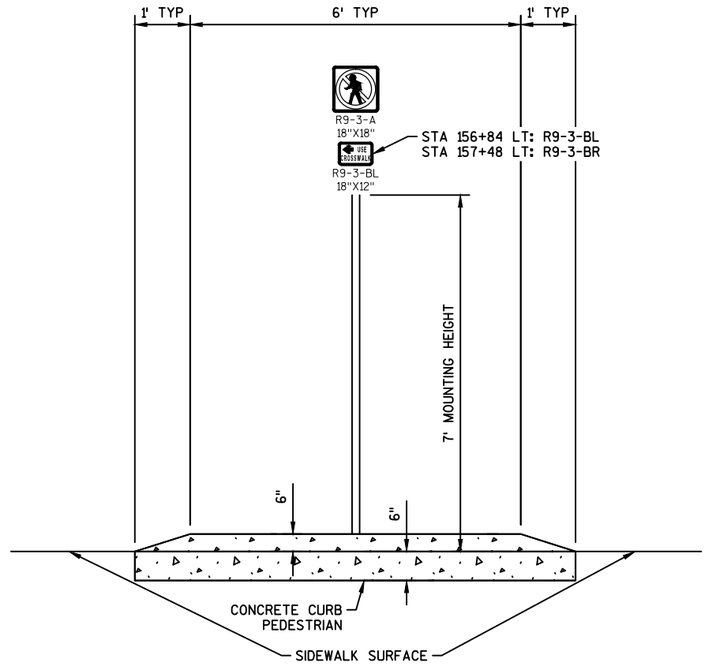
CATCH BASINS 8-FT DIAMETER
STRUCTURES 15B AND 14D

	15B	14D
STATION/OFFSET TO CENTER OF STRUCTURE	STA 152+25, 23.4' LT	STA 153+39.8, 23.4' LT
STATION/OFFSET TO CENTER OF OPENING	STA 152+25, 25.5' LT	STA 153+39.8, 25.5' LT

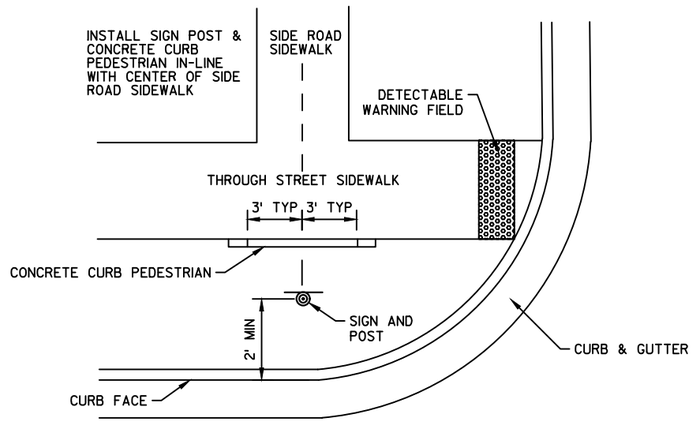
REMOVE AT LEAST 8' OF EXISTING 21" STORM SEWER PIPE AT EACH PROPOSED STRUCTURE



DETAIL OF CURB & GUTTER AT LOW POINT CATCH BASINS



CONCRETE CURB PEDESTRIAN DETAIL
CURB ELEVATION VIEW

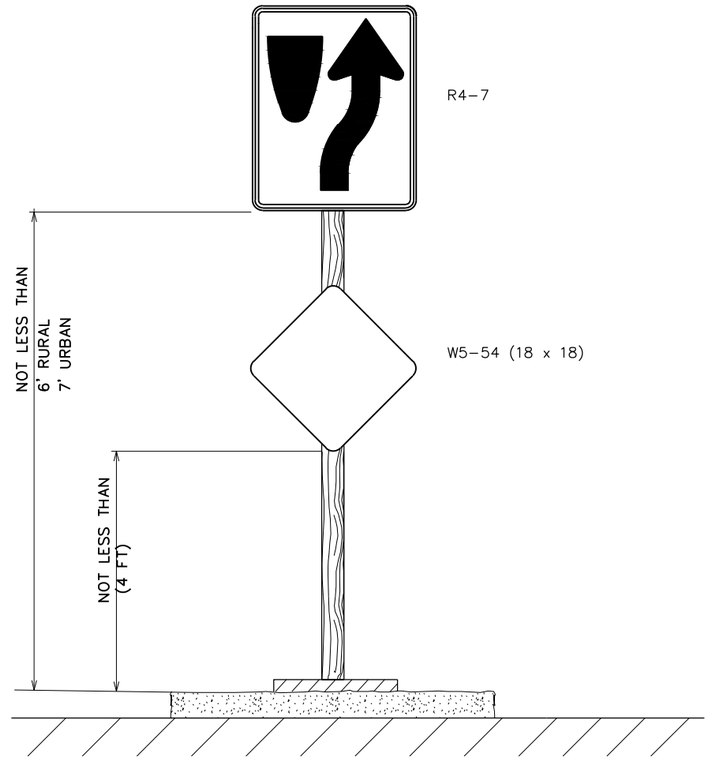


CURB AND SIGN LOCATION DETAIL

PEDESTRIAN BARRIER DETAIL

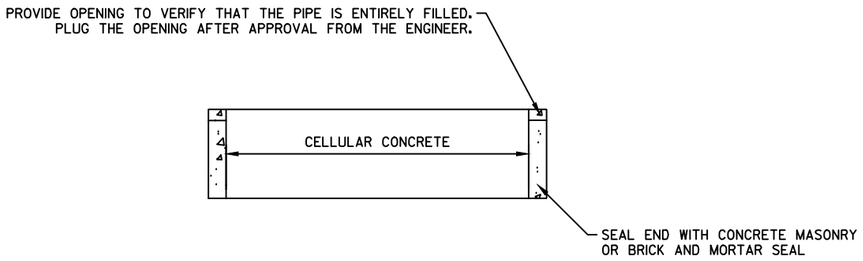
STA 156+84 LT
STA 157+48 LT

2



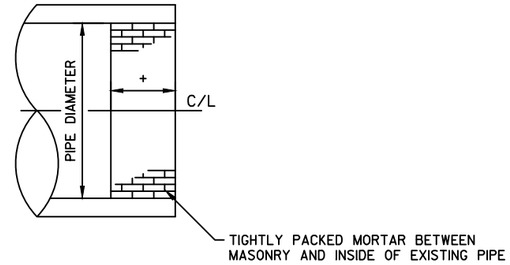
TYPICAL INSTALLATION FOR
TRANSITION TO DIVIDED HIGHWAY
OR OTHER SPECIAL NEEDS AREAS

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TYPICAL DETAIL - SIGN ON MEDIAN NOSE	SHEET 18	E



ABANDONING SEWER DETAIL

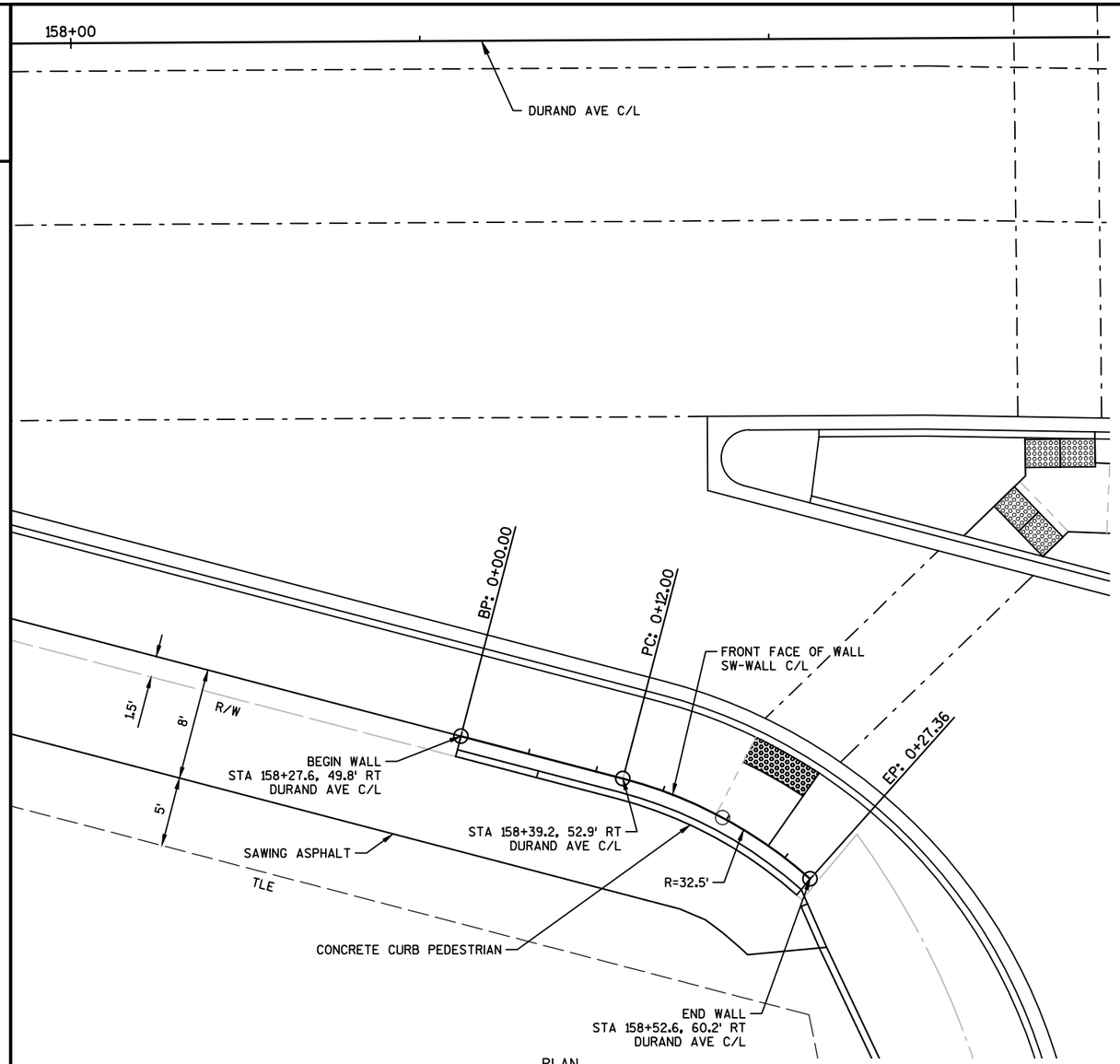
SEE STORM SEWER PLANS FOR LOCATIONS



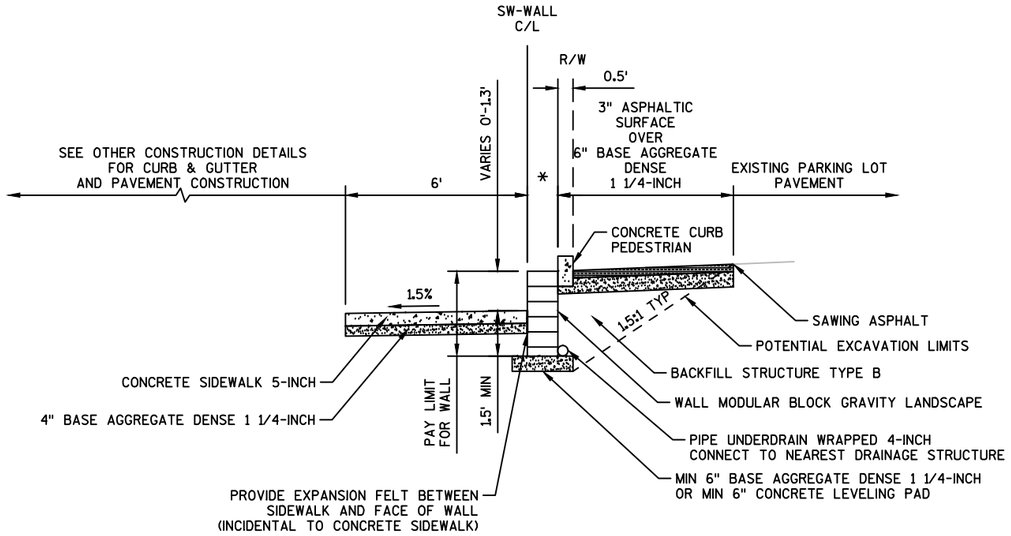
+ MINIMUM BULKHEAD LENGTH TO
EQUAL 1/3 X PIPE DIAMETER

TEMPORARY BULKHEAD PIPE MASONRY

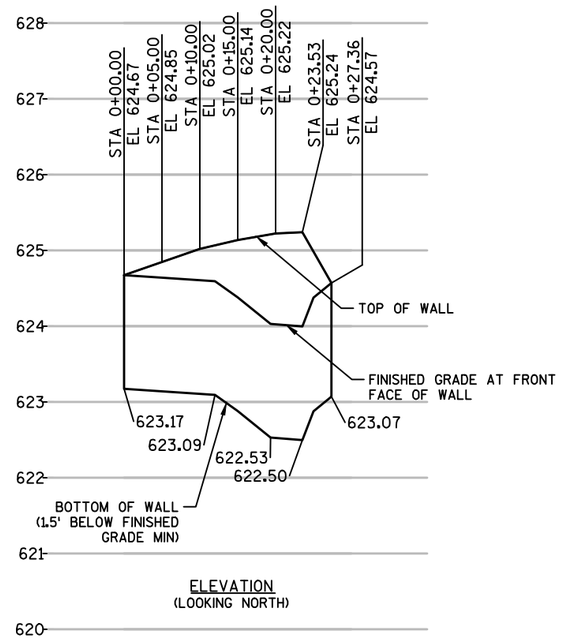
ITEM TO BE PAID FOR UNDER ITEM "SEALING PIPES"
SEE TRAFFIC CONTROL PLANS AND MISCELLANEOUS QUANTITIES FOR LOCATIONS



PLAN



WALL MODULAR BLOCK GRAVITY LANDSCAPE TYPICAL SECTION
(LOOKING EAST)
*CONTRACTOR TO DETERMINE MODULAR BLOCK DIMENSIONS



ELEVATION
(LOOKING NORTH)

WALL MODULAR BLOCK GRAVITY LANDSCAPE DESIGN DATA

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN PLANS, DETAILS, SPECIFICATIONS, AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK GRAVITY".

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENT AND DETAILS.

THE RETAINING WALL IS TO BE DESIGNED TO THE ELEVATIONS GIVEN ON THIS SHEET.

EXACT ELEVATIONS AND LOCATIONS OF HEIGHT TRANSITIONS ALONG THE WALL SHALL BE DETERMINED BY THE CONTRACTOR BASED ON THE WALL SYSTEM CHOSEN.

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE SLOPED BEHIND WALL AS SHOWN.

WALL MODULAR BLOCK GRAVITY LANDSCAPE

STA 158+27.6, 49.8' RT TO STA 158+52.6, 60.2' RT
DURAND AVE

SHEET 1 OF 2

Professional Service Industries, Inc.
821 Corporate Court
Waukesha, WI 53189
Telephone: (262) 521-2125
Fax: (262) 521-2471

LOG OF BORING B-6

Sheet 1 of 1

PSI Job No.: 00521232
Project: Proposed Durand Ave. (STH 11) Reconstruction
Location: Kearney Avenue to STH 32
City of Racine, WI

Drilling Method: Hollow Stem Auger
Sampling Method: 2-in SS
Hammer Type: Automatic
Boring Location: WB Outside Lane

WATER LEVELS
While Drilling 7.5 feet
Upon Completion Not Obvd.
Delay N/A

Station: 158+00
Offset: 24' LT

Elevation (feet)	Depth, (feet)	Graphic Log	Sample Type	Sample No.	Recovery (inches)	MATERIAL DESCRIPTION	USCS Classification	SPT Blows per 6-inch (SS)	Moisture, %	STANDARD PENETRATION TEST DATA N in blows/ft (Moisture, PL, LL; 0 25 50) STRENGTH, tsf (Qu, Qp; 0 2.0 4.0)	Additional Remarks
	0					Concrete (10"± Thick)	CONC				
						Base Course (5"± Thick)	BASE		7		
						Fill, Dark Grayish Brown Clayey Sand, Trace Gravel, Moist (AASHTO Classification: A-2-6)	FILL		11		
				1	15	Yellowish Brown Mottled Gray and Rust Sandy Silt, Very Moist, Loose (AASHTO Classification: A-4)	ML	4-3-6 N=9	18		
	5			2	17	Brown Mottled Gray and Rust Lean Clay, Trace Sand and Gravel, Moist, Very Stiff (AASHTO Classification: A-6)	CL	4-3-4 N=7	21		Q_u = 2.3 tsf
				3	15	Gray Silty Sand, Trace Gravel, Wet, Medium Dense (AASHTO Classification: A-2-4)	SM	5-10-9 N=19	18		
	10			4	18			6-7-7 N=14	19		
						End of Boring at 11.5' Cave In at 8'					

Completion Depth: 11.5 ft
Date Boring Started: 4/16/15
Date Boring Completed: 4/16/15
Logged By: EM
Drilling Contractor: PSI, Inc.

Sample Types: Auger Cutting, Split-Spoon, Rock Core, Shelby Tube, Hand Auger, Calif. Sampler, Texas Cone

Latitude:
Longitude:
Drill Rig: Freightliner
Remarks:

The stratification lines represent approximate boundaries. The transition may be gradual.

WALL MODULAR BLOCK GRAVITY LANDSCAPE
SOIL BORING INFORMATION
BORING B-6 STA 158+00, 24' LT

SHEET 2 OF 2

2

TREE PLANTINGS

MAPLE, FREEMAN 'ARMSTRONG'

ELM, 'FRONTIER'

LINDEN, 'AMERICAN SENTRY'

SEE PLANT DATA CHART AND QUANTITY TABLE FOR ADDITIONAL INFORMATION

LEGEND

SW5	CONCRETE SIDEWALK 5-INCH
	COLORING CONCRETE CUSTOM RED
CP8.5	CONCRETE PAVEMENT 8 1/2-INCH
HES	CONCRETE PAVEMENT HES 8 1/2-INCH
SOD	TOPSOIL, FERTILIZER, & SOD LAWN
CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CM1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CM2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CMB	CONCRETE MEDIAN BLUNT NOSE
PED	CONCRETE CURB PEDESTRIAN
HMA	HMA PAVEMENT 3 LT & 4 LT 58-28 S
BUTT	REMOVING ASPHALTIC SURFACE BUTT JOINT & 2" HMA PAVEMENT 4 LT 58-28 S
DWY	CONCRETE DRIVEWAY 6-INCH
ASPH	3" ASPHALTIC SURFACE

XXXX SAWING CONCRETE

SAWING ASPHALT

TREE REMOVAL

+XX.X / XX.X' LT STATION AND OFFSET

+XX.X(F) / XX.X' LT(F) STATION AND OFFSET TO CURB & GUTTER FLANGE

+XX.X(G) / XX.X' LT(G) STATION AND OFFSET TO CURB & GUTTER FLOWLINE

(X) POINT NUMBER FOR STATION AND OFFSET TABLE

XXX.XX PAVING ELEVATION

XXX.XX(E) EXISTING PAVING ELEVATION

N

BEGIN PROJECT
STA 141+03

KEARNEY AVE

MADISON ST

DURAND AVE/STH 11

DURAND AVE R/L

BUS STOP

MATCHLINE STA 146+00

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS	SHEET 22 E

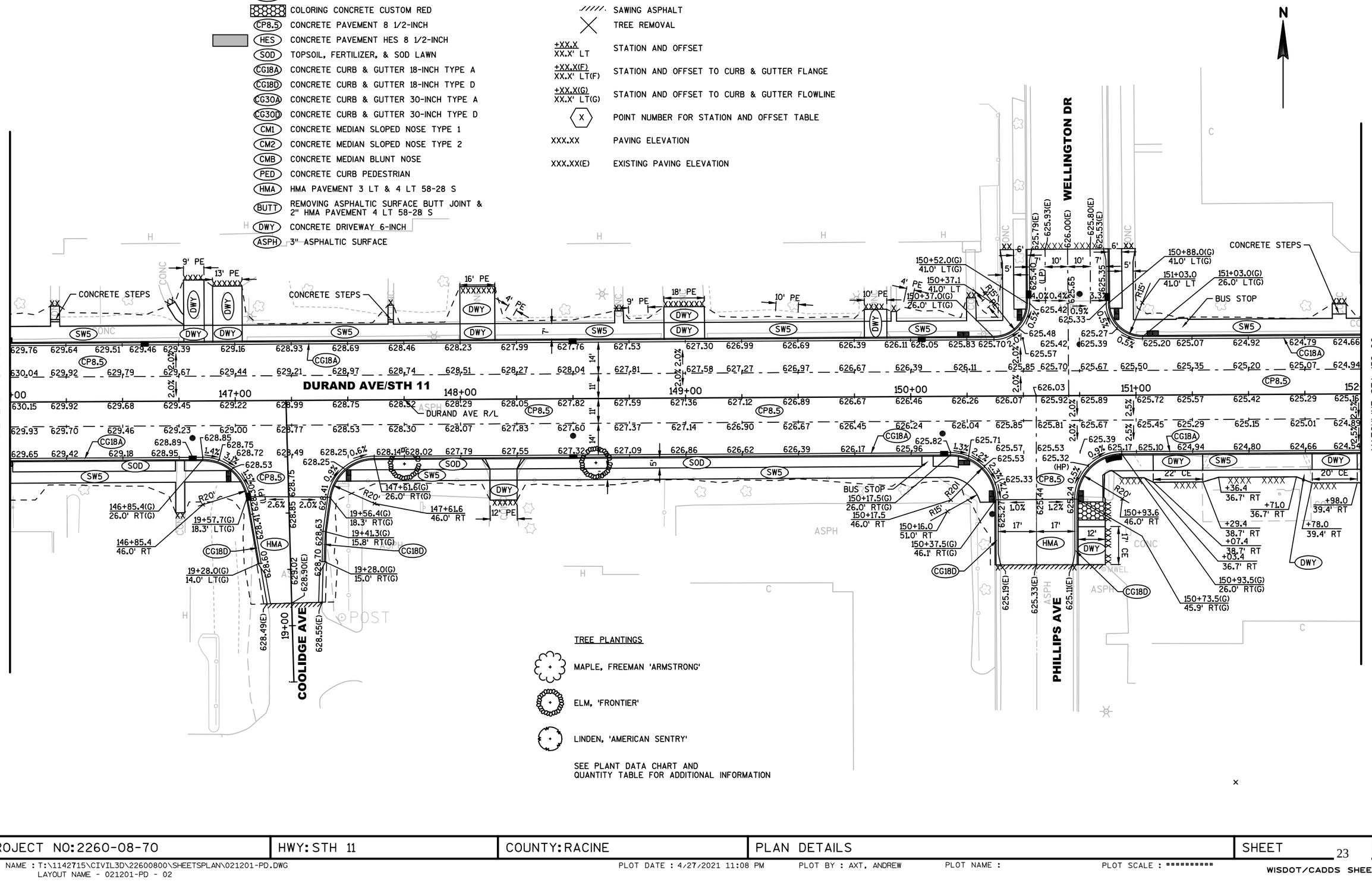
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-PD - 01
PLOT DATE : 4/27/2021 11:08 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2

LEGEND

SW5	CONCRETE SIDEWALK 5-INCH
	COLORING CONCRETE CUSTOM RED
CP8.5	CONCRETE PAVEMENT 8 1/2-INCH
HES	CONCRETE PAVEMENT HES 8 1/2-INCH
SOD	TOPSOIL, FERTILIZER, & SOD LAWN
CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CM1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CM2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CMB	CONCRETE MEDIAN BLUNT NOSE
PED	CONCRETE CURB PEDESTRIAN
HMA	HMA PAVEMENT 3 LT & 4 LT 58-28 S
BUTT	REMOVING ASPHALTIC SURFACE BUTT JOINT & 2" HMA PAVEMENT 4 LT 58-28 S
DWY	CONCRETE DRIVEWAY 6-INCH
ASPH	3" ASPHALTIC SURFACE

XXXX	SAWING CONCRETE
	SAWING ASPHALT
	TREE REMOVAL
+XX.X / XX.X' LT	STATION AND OFFSET
+XX.X(F) / XX.X' LT(F)	STATION AND OFFSET TO CURB & GUTTER FLANGE
+XX.X(G) / XX.X' LT(G)	STATION AND OFFSET TO CURB & GUTTER FLOWLINE
X	POINT NUMBER FOR STATION AND OFFSET TABLE
XXX.XX	PAVING ELEVATION
XXX.XX(E)	EXISTING PAVING ELEVATION



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS	SHEET 23 E

2

TREE PLANTINGS

MAPLE, FREEMAN 'ARMSTRONG'

ELM, 'FRONTIER'

LINDEN, 'AMERICAN SENTRY'

SEE PLANT DATA CHART AND QUANTITY TABLE FOR ADDITIONAL INFORMATION

LEGEND

SW5	CONCRETE SIDEWALK 5-INCH
	COLORING CONCRETE CUSTOM RED
CP8.5	CONCRETE PAVEMENT 8 1/2-INCH
HES	CONCRETE PAVEMENT HES 8 1/2-INCH
SOD	TOPSOIL, FERTILIZER, & SOD LAWN
CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CM1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CM2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CMB	CONCRETE MEDIAN BLUNT NOSE
PED	CONCRETE CURB PEDESTRIAN
HMA	HMA PAVEMENT 3 LT & 4 LT 58-28 S
BUTT	REMOVING ASPHALTIC SURFACE BUTT JOINT & 2" HMA PAVEMENT 4 LT 58-28 S
DWY	CONCRETE DRIVEWAY 6-INCH
ASPH	3" ASPHALTIC SURFACE

XXXX SAWING CONCRETE

SAWING ASPHALT

TREE REMOVAL

+XX.X / XX.X' LT STATION AND OFFSET

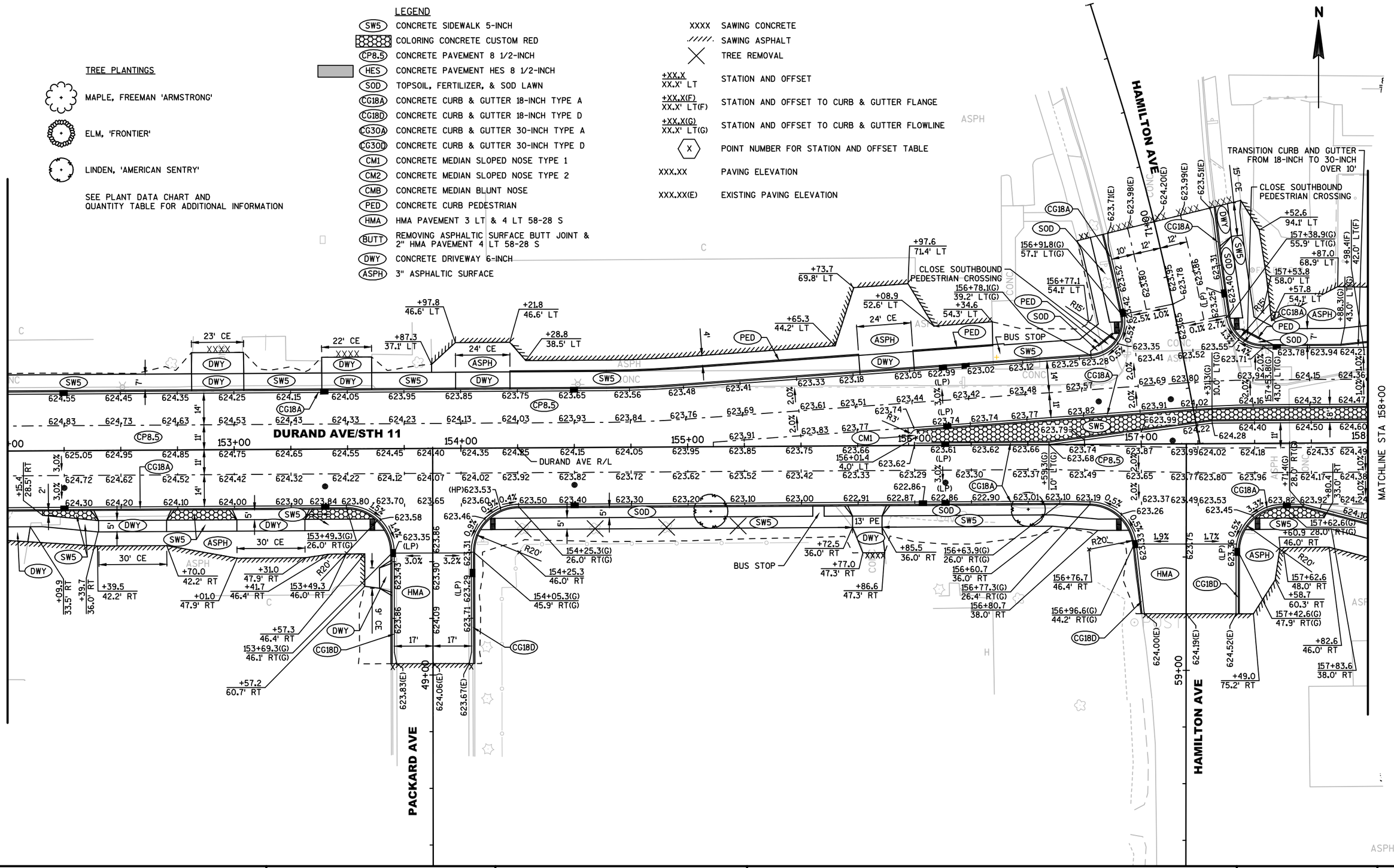
+XX.X(F) / XX.X' LT(F) STATION AND OFFSET TO CURB & GUTTER FLANGE

+XX.X(G) / XX.X' LT(G) STATION AND OFFSET TO CURB & GUTTER FLOWLINE

(X) POINT NUMBER FOR STATION AND OFFSET TABLE

XXX.XX PAVING ELEVATION

XXX.XX(E) EXISTING PAVING ELEVATION



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS	SHEET 24	E

NOTES:
1. SEE CURB RAMP DETAILS FOR PAVING GRADES AND HORIZONTAL LAYOUT INFORMATION.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	158+47.0	38.0' RT	175040.84	635517.13	54'
2	158+42.8	79.0' LT	175157.82	635512.22	69'
3	158+55.8	13.3' LT	175092.16	635525.55	2'
4	159+57.9	1.0' LT	175080.52	635627.77	2'
5	159+72.9	56.0' LT	175135.61	635642.40	59'

TREE PLANTINGS

MAPLE, FREEMAN 'ARMSTRONG'

ELM, 'FRONTIER'

LINDEN, 'AMERICAN SENTRY'

SEE PLANT DATA CHART AND QUANTITY TABLE FOR ADDITIONAL INFORMATION

N

S MEMORIAL DR

DURAND AVE/STH 11

CAPITOL AVE

DURAND AVE R/L

S MEMORIAL DR R/L

TRANSITION CURB AND GUTTER FROM 18-INCH TO 30-INCH OVER 4'

TRANSITION CURB AND GUTTER FROM 18-INCH TO 30-INCH OVER 10'

TRANSITION CURB AND GUTTER FROM 18-INCH TO 30-INCH OVER 20'

TRANSITION CURB AND GUTTER FROM 18-INCH TO 30-INCH OVER 25'

END RECONSTRUCTION STA 162+78'WB'

END PROJECT STA 162+70

END MEDIAN REPLACEMENT STA 163+75

WALL MODULAR BLOCK GRAVITY LANDSCAPE

MATCHLINE STA 158+00

MATCHLINE STA 78+00

LEGEND

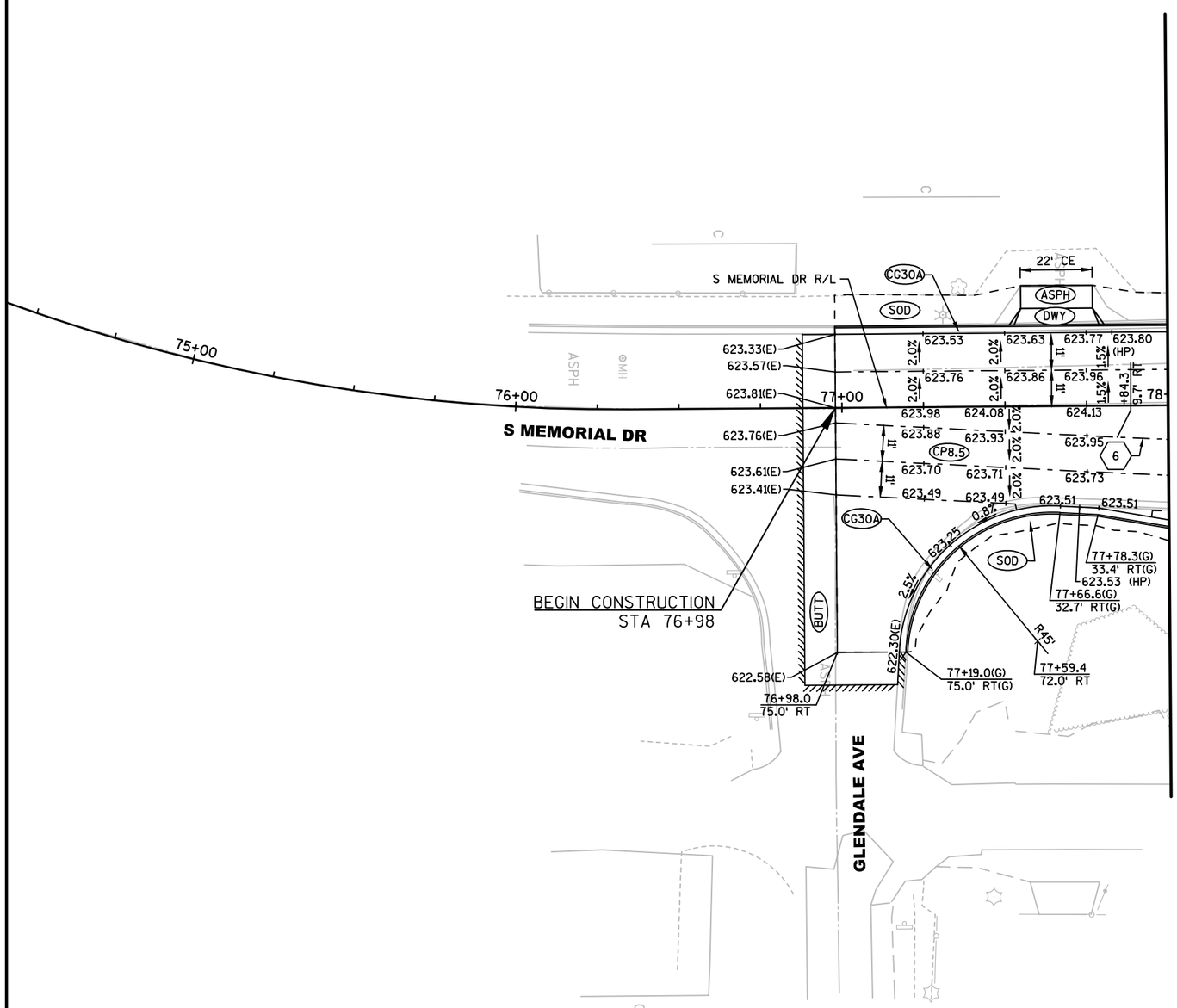
SW5	CONCRETE SIDEWALK 5-INCH
	COLORING CONCRETE CUSTOM RED
CP8.5	CONCRETE PAVEMENT 8 1/2-INCH
HES	CONCRETE PAVEMENT HES 8 1/2-INCH
SOD	TOPSOIL, FERTILIZER, & SOD LAWN
CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CM1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CM2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CMB	CONCRETE MEDIAN BLUNT NOSE
PED	CONCRETE CURB PEDESTRIAN
HMA	HMA PAVEMENT 3 LT & 4 LT 58-28 S
BUTT	REMOVING ASPHALTIC SURFACE BUTT JOINT & 2" HMA PAVEMENT 4 LT 58-28 S
DWY	CONCRETE DRIVEWAY 6-INCH
ASPH	3" ASPHALTIC SURFACE

XXXX	SAWING CONCRETE
//////	SAWING ASPHALT
X	TREE REMOVAL
+XX.X / XX.X' LT	STATION AND OFFSET
+XX.X(F) / XX.X' LT(F)	STATION AND OFFSET TO CURB & GUTTER FLANGE
+XX.X(G) / XX.X' LT(G)	STATION AND OFFSET TO CURB & GUTTER FLOWLINE
(X)	POINT NUMBER FOR STATION AND OFFSET TABLE
XXX.XX	PAVING ELEVATION
XXX.XX(E)	EXISTING PAVING ELEVATION

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS	SHEET 25	E

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
6	78+29.2	759.0' LT	174902.50	634814.17	770'



LEGEND

SW5	CONCRETE SIDEWALK 5-INCH
	COLORING CONCRETE CUSTOM RED
CP8.5	CONCRETE PAVEMENT 8 1/2-INCH
HES	CONCRETE PAVEMENT HES 8 1/2-INCH
SOD	TOPSOIL, FERTILIZER, & SOD LAWN
CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A
CG18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CM1	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CM2	CONCRETE MEDIAN SLOPED NOSE TYPE 2
CMB	CONCRETE MEDIAN BLUNT NOSE
PED	CONCRETE CURB PEDESTRIAN
HMA	HMA PAVEMENT 3 LT & 4 LT 58-28 S
BUTT	REMOVING ASPHALTIC SURFACE BUTT JOINT & 2" HMA PAVEMENT 4 LT 58-28 S
DWY	CONCRETE DRIVEWAY 6-INCH
ASPH	3" ASPHALTIC SURFACE

XXXX	SAWING CONCRETE
	SAWING ASPHALT
	TREE REMOVAL
+XX.X / XX.X' LT	STATION AND OFFSET
+XX.X(F) / XX.X' LT(F)	STATION AND OFFSET TO CURB & GUTTER FLANGE
+XX.X(G) / XX.X' LT(G)	STATION AND OFFSET TO CURB & GUTTER FLOWLINE
X	POINT NUMBER FOR STATION AND OFFSET TABLE
XXX.XX	PAVING ELEVATION
XXX.XX(E)	EXISTING PAVING ELEVATION

TREE PLANTINGS

MAPLE, FREEMAN 'ARMSTRONG'

ELM, 'FRONTIER'

LINDEN, 'AMERICAN SENTRY'

SEE PLANT DATA CHART AND QUANTITY TABLE FOR ADDITIONAL INFORMATION

POINT	STATION	OFFSET	Y COORDS	X COORDS
100	145+13.18	33.50 LT	175104.17	634182.88
101	145+13.18	26.50 LT	175097.17	634182.92
102	145+20.18	33.50 LT	175104.22	634189.88
103	145+20.18	28.50 LT	175099.22	634189.91
104	145+20.18	26.50 LT	175097.22	634189.92
105	145+25.18	33.50 LT	175104.25	634194.88
106	145+25.18	28.50 LT	175099.25	634194.91
107	145+25.18	26.50 LT	175097.25	634194.92
108	145+31.05	33.50 LT	175104.28	634200.75
109	145+31.07	27.07 LT	175097.86	634200.81
110	145+36.05	33.50 LT	175104.31	634205.75
111	145+38.18	31.73 LT	175102.56	634207.89
112	145+31.04	38.50 LT	175109.28	634200.70
113	145+36.04	38.52 LT	175109.33	634205.70
114	145+41.32	38.53 LT	175109.38	634210.99
115	145+31.02	43.50 LT	175114.28	634200.66
116	145+36.02	43.52 LT	175114.33	634205.66
117	145+41.52	43.53 LT	175114.38	634211.16
118	145+30.99	53.50 LT	175124.28	634200.57
119	145+35.99	53.52 LT	175124.33	634205.57

LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING

DETECTABLE WARNING FIELD

(X) CURB RAMP TYPE

(XM) CURB RAMP TYPE MODIFIED

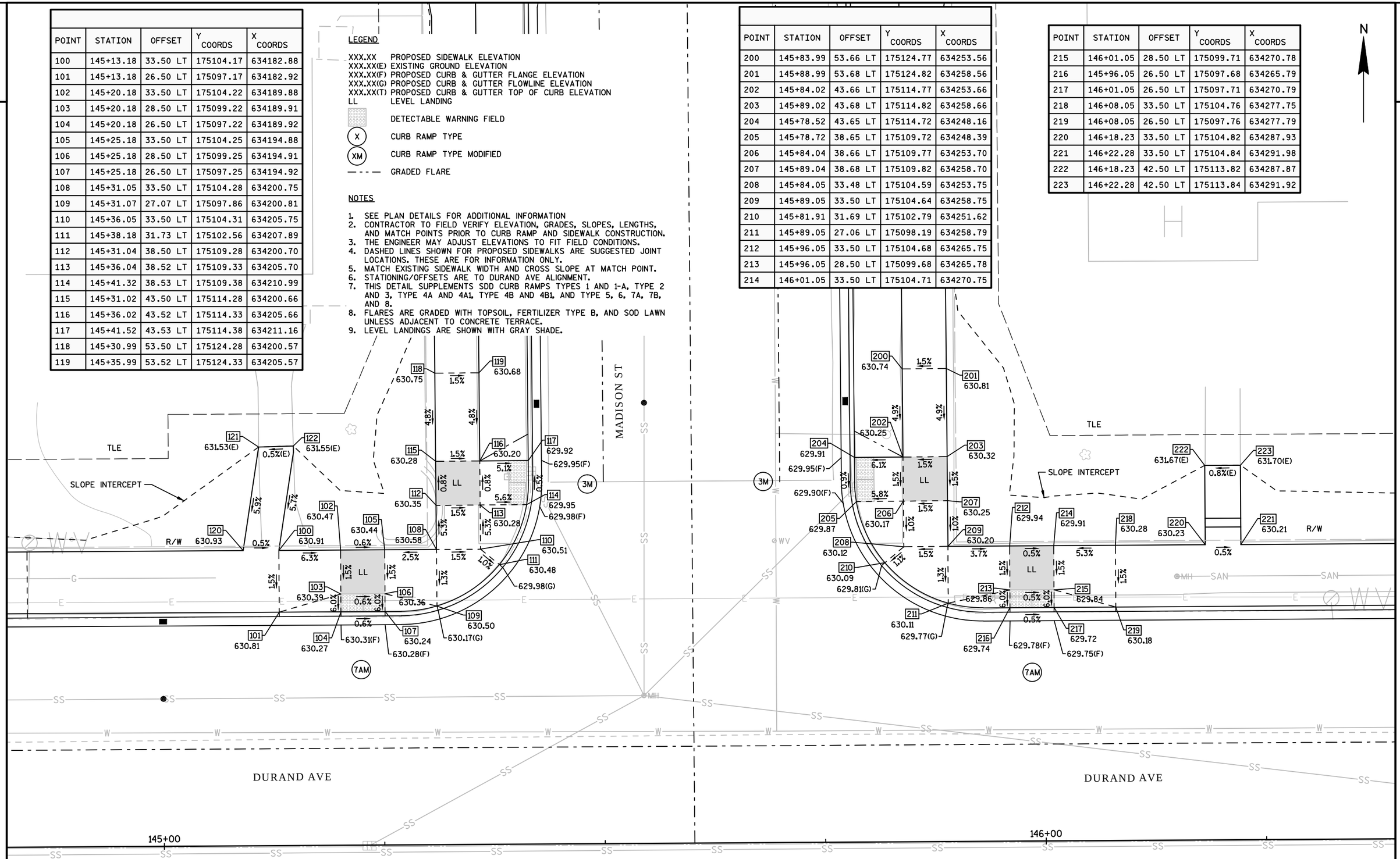
GRADED FLARE

NOTES

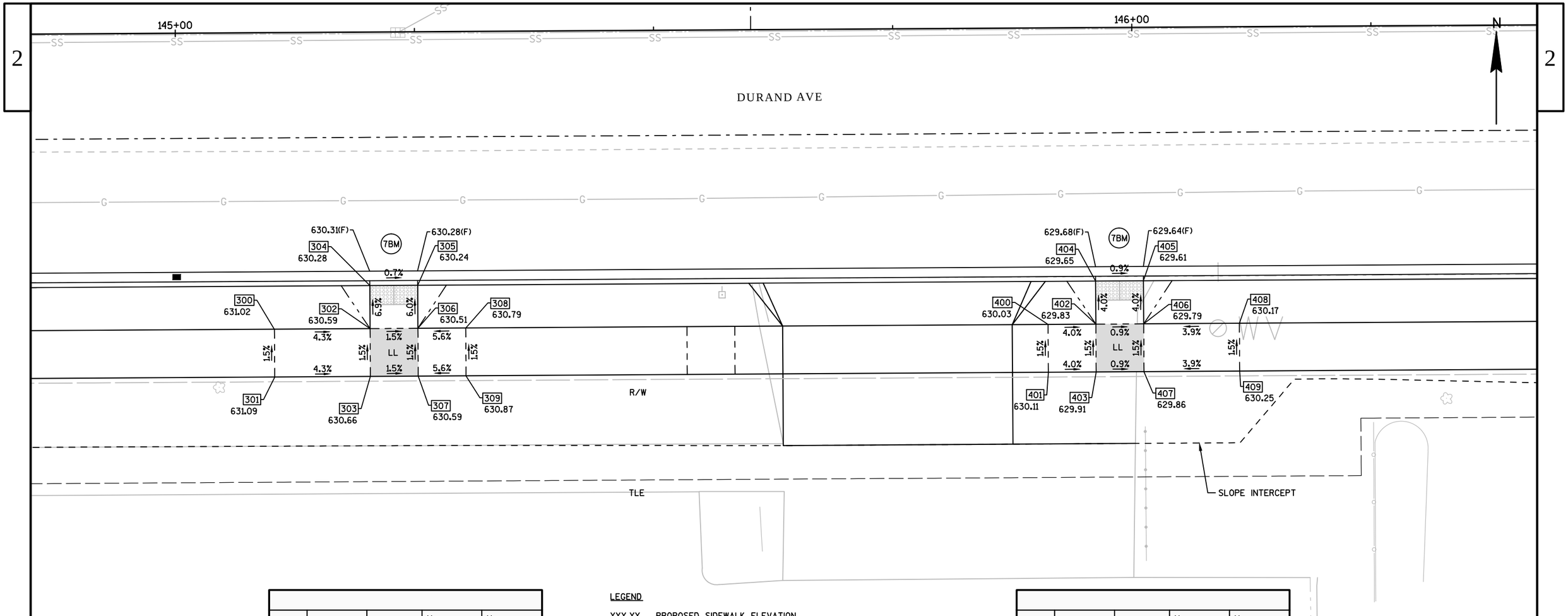
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
200	145+83.99	53.66 LT	175124.77	634253.56
201	145+88.99	53.68 LT	175124.82	634258.56
202	145+84.02	43.66 LT	175114.77	634253.66
203	145+89.02	43.68 LT	175114.82	634258.66
204	145+78.52	43.65 LT	175114.72	634248.16
205	145+78.72	38.65 LT	175109.72	634248.39
206	145+84.04	38.66 LT	175109.77	634253.70
207	145+89.04	38.68 LT	175109.82	634258.70
208	145+84.05	33.48 LT	175104.59	634253.75
209	145+89.05	33.50 LT	175104.64	634258.75
210	145+81.91	31.69 LT	175102.79	634251.62
211	145+89.05	27.06 LT	175098.19	634258.79
212	145+96.05	33.50 LT	175104.68	634265.75
213	145+96.05	28.50 LT	175099.68	634265.78
214	146+01.05	33.50 LT	175104.71	634270.75

POINT	STATION	OFFSET	Y COORDS	X COORDS
215	146+01.05	28.50 LT	175099.71	634270.78
216	145+96.05	26.50 LT	175097.68	634265.79
217	146+01.05	26.50 LT	175097.71	634270.79
218	146+08.05	33.50 LT	175104.76	634277.75
219	146+08.05	26.50 LT	175097.76	634277.79
220	146+18.23	33.50 LT	175104.82	634287.93
221	146+22.28	33.50 LT	175104.84	634291.98
222	146+18.23	42.50 LT	175113.82	634287.87
223	146+22.28	42.50 LT	175113.84	634291.92



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - MADISON ST	SHEET 27	E



POINT	STATION	OFFSET	Y COORDS	X COORDS
300	145+10.18	31.02 RT	175039.64	634180.28
301	145+10.18	36.02 RT	175034.64	634180.31
302	145+20.18	31.00 RT	175039.72	634190.28
303	145+20.18	36.00 RT	175034.72	634190.31
304	145+20.18	26.50 RT	175044.22	634190.25
305	145+25.18	26.50 RT	175044.25	634195.25
306	145+25.18	31.00 RT	175039.75	634195.28
307	145+25.18	36.00 RT	175034.75	634195.31
308	145+30.18	31.00 RT	175039.78	634200.27
309	145+30.18	36.00 RT	175034.78	634200.31

LEGEND

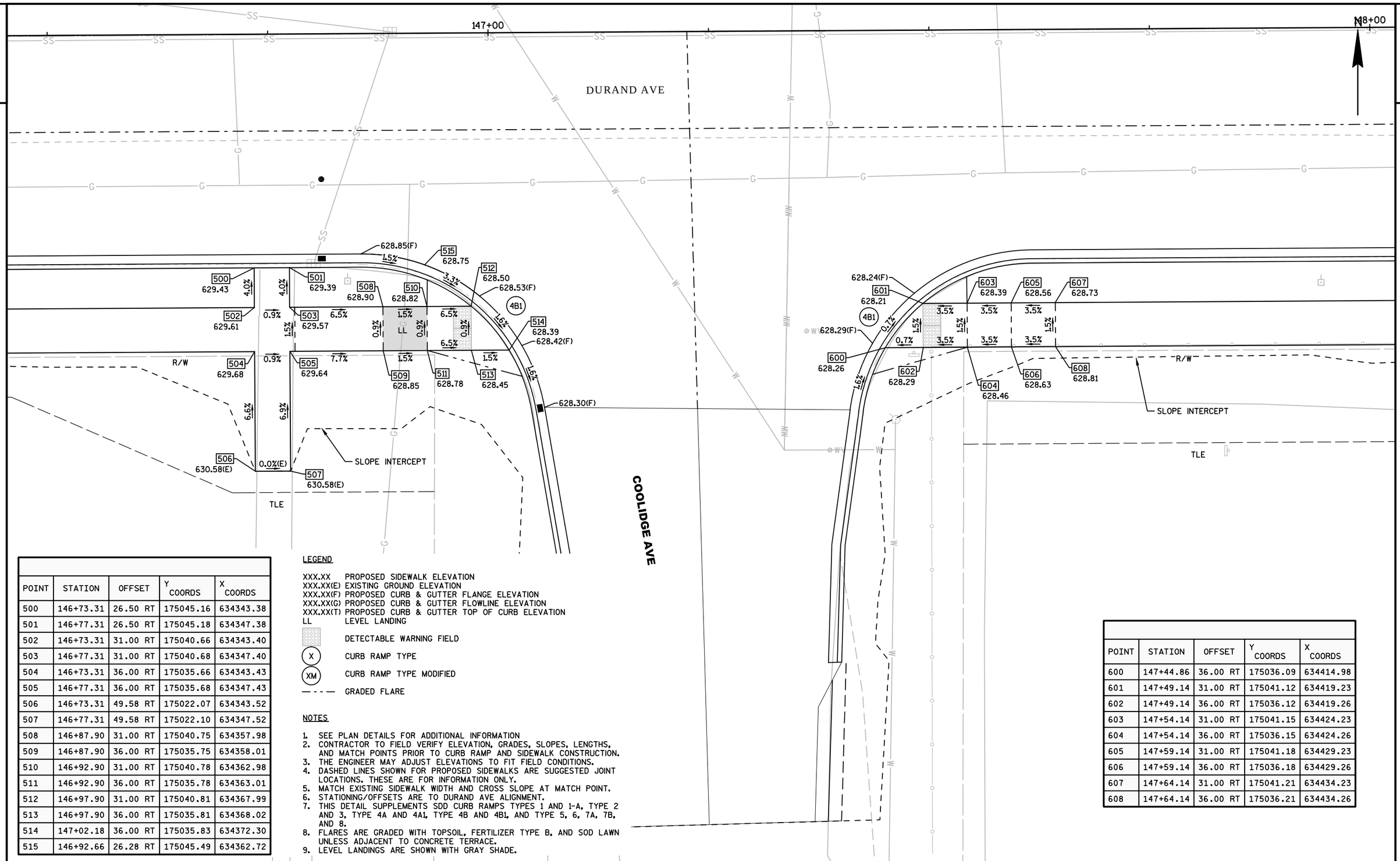
XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
400	145+91.05	31.00 RT	175040.15	634261.14
401	145+91.05	36.00 RT	175035.15	634261.18
402	145+96.05	31.00 RT	175040.18	634266.14
403	145+96.05	36.00 RT	175035.18	634266.18
404	145+96.05	26.50 RT	175044.68	634266.12
405	146+01.05	26.50 RT	175044.71	634271.12
406	146+01.05	31.00 RT	175040.21	634271.14
407	146+01.05	36.02 RT	175035.20	634271.18
408	146+11.05	31.00 RT	175040.27	634281.14
409	146+11.05	36.00 RT	175035.27	634281.18

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - MADISON ST	SHEET 28	E



POINT	STATION	OFFSET	Y COORDS	X COORDS
500	146+73.31	26.50 RT	175045.16	634343.38
501	146+77.31	26.50 RT	175045.18	634347.38
502	146+73.31	31.00 RT	175040.66	634343.40
503	146+77.31	31.00 RT	175040.68	634347.40
504	146+73.31	36.00 RT	175035.66	634343.43
505	146+77.31	36.00 RT	175035.68	634347.43
506	146+73.31	49.58 RT	175022.07	634343.52
507	146+77.31	49.58 RT	175022.10	634347.52
508	146+87.90	31.00 RT	175040.75	634357.98
509	146+87.90	36.00 RT	175035.75	634358.01
510	146+92.90	31.00 RT	175040.78	634362.98
511	146+92.90	36.00 RT	175035.78	634363.01
512	146+97.90	31.00 RT	175040.81	634367.99
513	146+97.90	36.00 RT	175035.81	634368.02
514	147+02.18	36.00 RT	175035.83	634372.30
515	146+92.66	26.28 RT	175045.49	634362.72

LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
600	147+44.86	36.00 RT	175036.09	634414.98
601	147+49.14	31.00 RT	175041.12	634419.23
602	147+49.14	36.00 RT	175036.12	634419.26
603	147+54.14	31.00 RT	175041.15	634424.23
604	147+54.14	36.00 RT	175036.15	634424.26
605	147+59.14	31.00 RT	175041.18	634429.23
606	147+59.14	36.00 RT	175036.18	634429.26
607	147+64.14	31.00 RT	175041.21	634434.23
608	147+64.14	36.00 RT	175036.21	634434.26

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - COOLIDGE AVE	SHEET 29	E

POINT	STATION	OFFSET	Y COORDS	X COORDS
700	150+12.96	33.50 LT	175107.23	634682.64
701	150+12.96	26.50 LT	175100.24	634682.69
702	150+20.96	33.50 LT	175107.28	634690.64
703	150+20.96	28.50 LT	175102.28	634690.67
704	150+24.99	33.50 LT	175107.31	634694.67
705	150+29.23	33.50 LT	175107.33	634698.92
706	150+29.23	28.50 LT	175102.33	634698.95
707	150+36.23	33.50 LT	175107.38	634705.92
708	150+36.23	26.50 LT	175100.38	634705.96
709	150+41.06	33.50 LT	175107.41	634710.75
710	150+43.89	28.22 LT	175102.14	634713.61
711	150+46.06	33.51 LT	175107.45	634715.75
712	150+48.19	31.74 LT	175105.69	634717.88
713	150+41.05	38.50 LT	175112.41	634710.71
714	150+46.05	38.51 LT	175112.45	634715.71
715	150+49.47	33.51 LT	175107.47	634719.15
716	150+49.46	38.51 LT	175112.47	634719.11
717	150+51.33	38.52 LT	175112.49	634720.99
718	150+41.04	48.52 LT	175122.42	634710.63
719	150+46.04	48.53 LT	175122.46	634715.63

POINT	STATION	OFFSET	Y COORDS	X COORDS
720	150+24.98	43.63 LT	175117.44	634694.61
721	150+29.07	43.64 LT	175117.47	634698.70
722	150+20.96	26.50 LT	175100.28	634690.69
723	150+25.96	26.50 LT	175100.31	634695.69

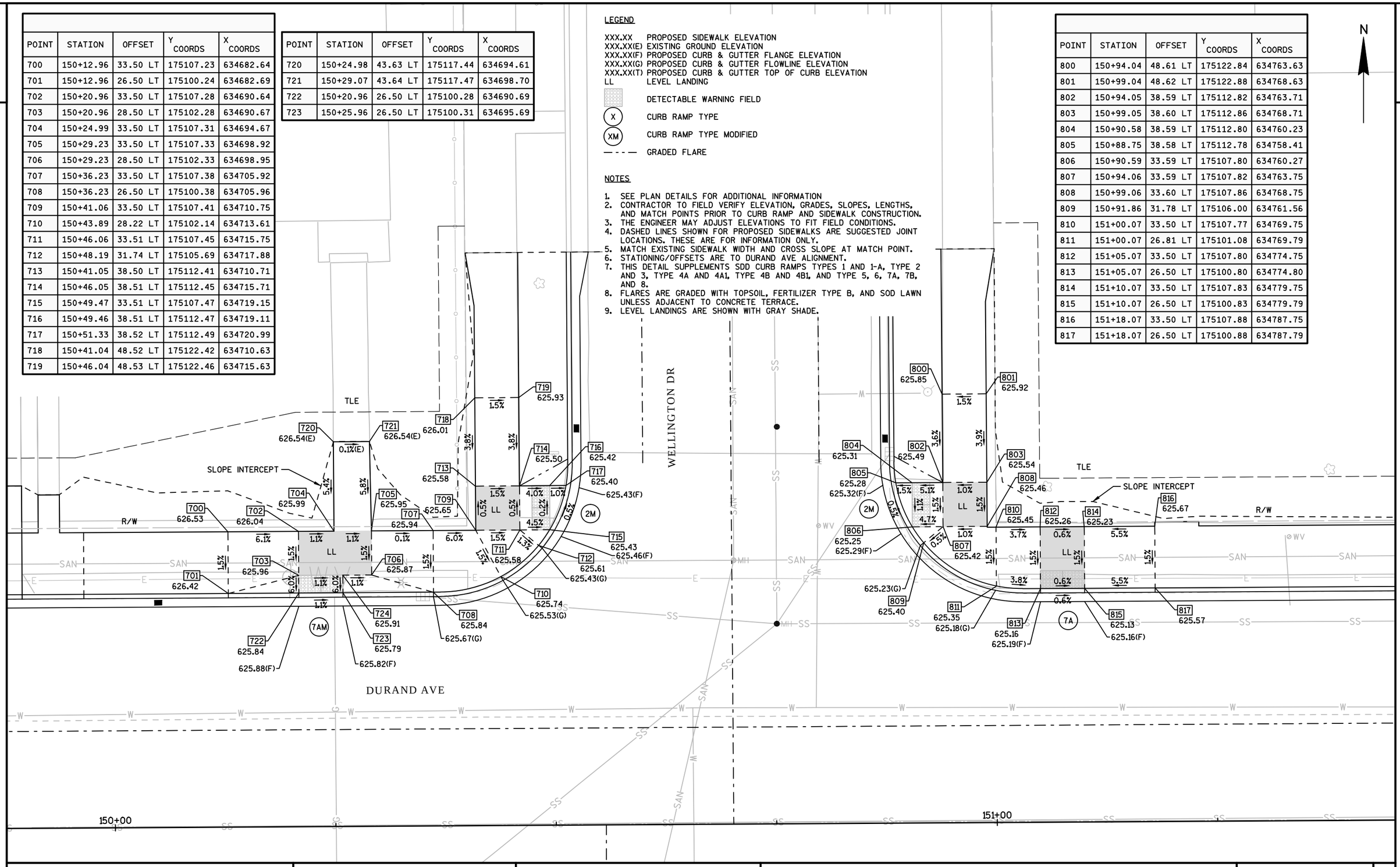
LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

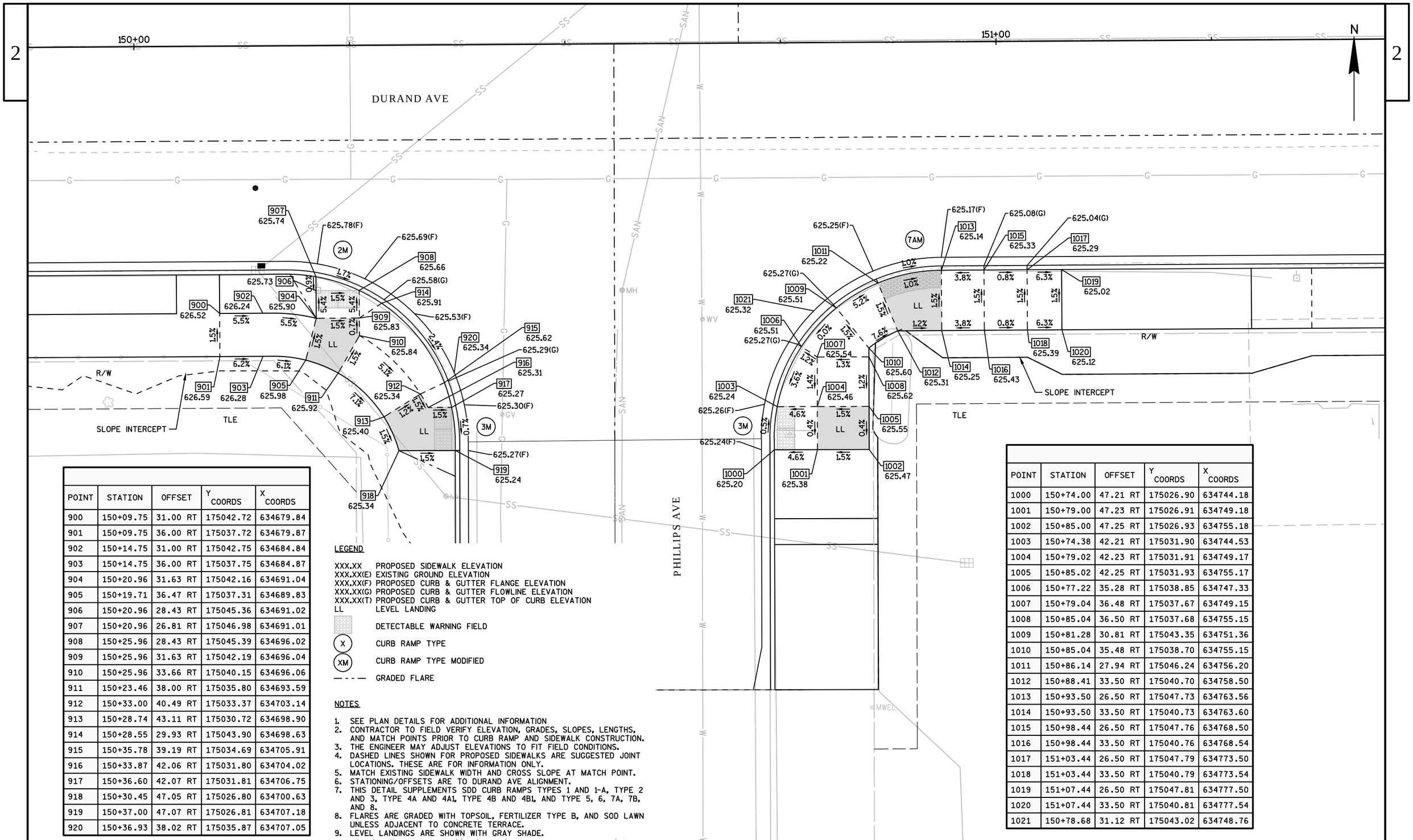
NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
800	150+94.04	48.61 LT	175122.84	634763.63
801	150+99.04	48.62 LT	175122.88	634768.63
802	150+94.05	38.59 LT	175112.82	634763.71
803	150+99.05	38.60 LT	175112.86	634768.71
804	150+90.58	38.59 LT	175112.80	634760.23
805	150+88.75	38.58 LT	175112.78	634758.41
806	150+90.59	33.59 LT	175107.80	634760.27
807	150+94.06	33.59 LT	175107.82	634763.75
808	150+99.06	33.60 LT	175107.86	634768.75
809	150+91.86	31.78 LT	175106.00	634761.56
810	151+00.07	33.50 LT	175107.77	634769.75
811	151+00.07	26.81 LT	175101.08	634769.79
812	151+05.07	33.50 LT	175107.80	634774.75
813	151+05.07	26.50 LT	175100.80	634774.80
814	151+10.07	33.50 LT	175107.83	634779.75
815	151+10.07	26.50 LT	175100.83	634779.79
816	151+18.07	33.50 LT	175107.88	634787.75
817	151+18.07	26.50 LT	175100.88	634787.79



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - WELLINGTON DR	SHEET 30	E



POINT	STATION	OFFSET	Y COORDS	X COORDS
900	150+09.75	31.00 RT	175042.72	634679.84
901	150+09.75	36.00 RT	175037.72	634679.87
902	150+14.75	31.00 RT	175042.75	634684.84
903	150+14.75	36.00 RT	175037.75	634684.87
904	150+20.96	31.63 RT	175042.16	634691.04
905	150+19.71	36.47 RT	175037.31	634689.83
906	150+20.96	28.43 RT	175045.36	634691.02
907	150+20.96	26.81 RT	175046.98	634691.01
908	150+25.96	28.43 RT	175045.39	634696.02
909	150+25.96	31.63 RT	175042.19	634696.04
910	150+25.96	33.66 RT	175040.15	634696.06
911	150+23.46	38.00 RT	175035.80	634693.59
912	150+33.00	40.49 RT	175033.37	634703.14
913	150+28.74	43.11 RT	175030.72	634698.90
914	150+28.55	29.93 RT	175043.90	634698.63
915	150+35.78	39.19 RT	175034.69	634705.91
916	150+33.87	42.06 RT	175031.80	634704.02
917	150+36.60	42.07 RT	175031.81	634706.75
918	150+30.45	47.05 RT	175026.80	634700.63
919	150+37.00	47.07 RT	175026.81	634707.18
920	150+36.93	38.02 RT	175035.87	634707.05

LEGEND

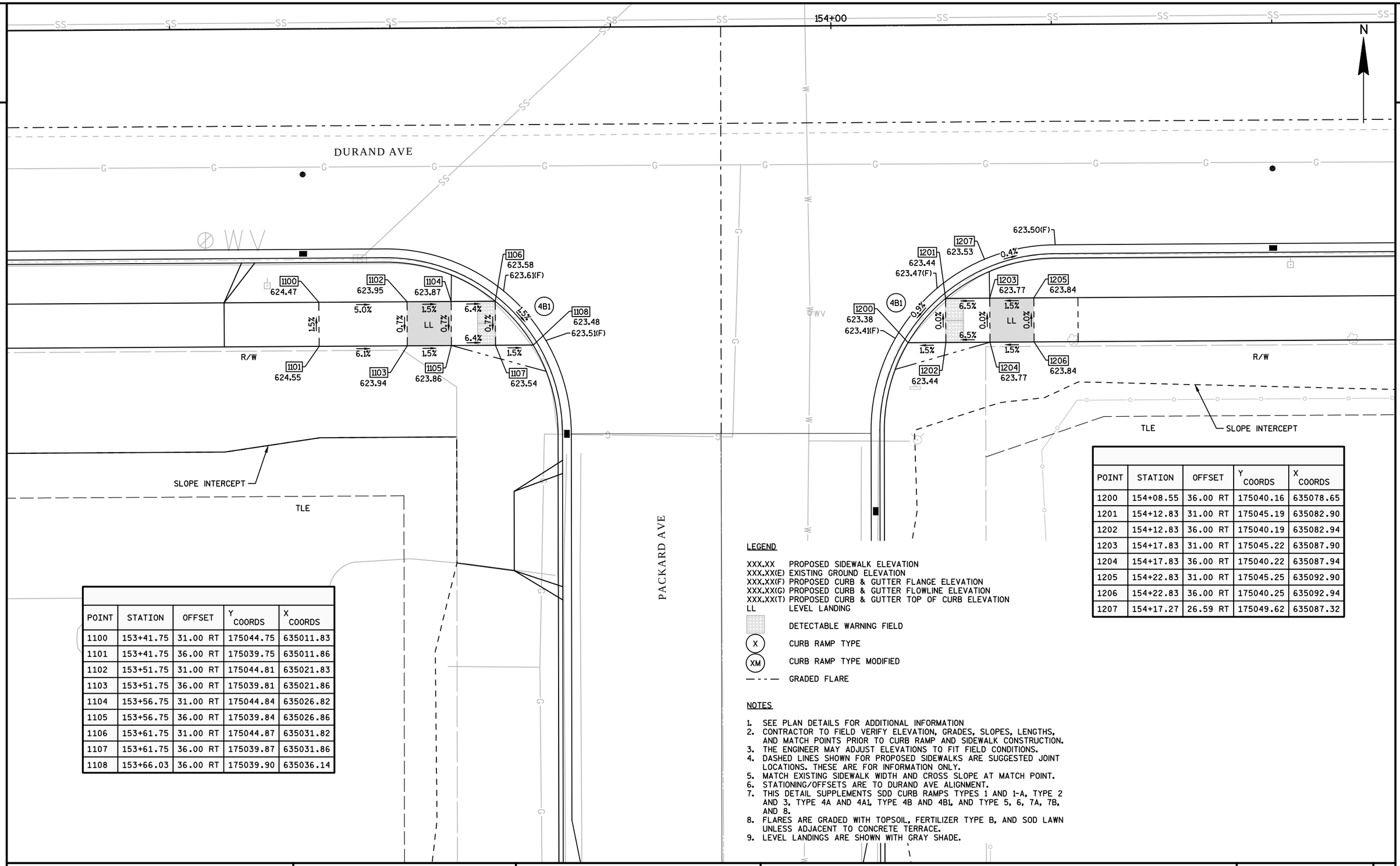
XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
1000	150+74.00	47.21 RT	175026.90	634744.18
1001	150+79.00	47.23 RT	175026.91	634749.18
1002	150+85.00	47.25 RT	175026.93	634755.18
1003	150+74.38	42.21 RT	175031.90	634744.53
1004	150+79.02	42.23 RT	175031.91	634749.17
1005	150+85.02	42.25 RT	175031.93	634755.17
1006	150+77.22	35.28 RT	175038.85	634747.33
1007	150+79.04	36.48 RT	175037.67	634749.15
1008	150+85.04	36.50 RT	175037.68	634755.15
1009	150+81.28	30.81 RT	175043.35	634751.36
1010	150+85.04	35.48 RT	175038.70	634755.15
1011	150+86.14	27.94 RT	175046.24	634756.20
1012	150+88.41	33.50 RT	175040.70	634758.50
1013	150+93.50	26.50 RT	175047.73	634763.56
1014	150+93.50	33.50 RT	175040.73	634763.60
1015	150+98.44	26.50 RT	175047.76	634768.50
1016	150+98.44	33.50 RT	175040.76	634768.54
1017	151+03.44	26.50 RT	175047.79	634773.50
1018	151+03.44	33.50 RT	175040.79	634773.54
1019	151+07.44	26.50 RT	175047.81	634777.50
1020	151+07.44	33.50 RT	175040.81	634777.54
1021	150+78.68	31.12 RT	175043.02	634748.76

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - PHILLIPS AVE	SHEET 31	E



POINT	STATION	OFFSET	Y COORDS	X COORDS
1100	153+41.75	31.00 RT	175044.75	635011.83
1101	153+41.75	36.00 RT	175039.75	635011.86
1102	153+51.75	31.00 RT	175044.81	635021.83
1103	153+51.75	36.00 RT	175039.81	635021.86
1104	153+56.75	31.00 RT	175044.84	635026.82
1105	153+56.75	36.00 RT	175039.84	635026.86
1106	153+61.75	31.00 RT	175044.87	635031.82
1107	153+61.75	36.00 RT	175039.87	635031.86
1108	153+66.03	36.00 RT	175039.90	635036.14

POINT	STATION	OFFSET	Y COORDS	X COORDS
1200	154+08.55	36.00 RT	175040.16	635078.65
1201	154+12.83	31.00 RT	175045.19	635082.90
1202	154+12.83	36.00 RT	175040.19	635082.94
1203	154+17.83	31.00 RT	175045.22	635087.90
1204	154+17.83	36.00 RT	175040.22	635087.94
1205	154+22.83	31.00 RT	175045.25	635092.90
1206	154+22.83	36.00 RT	175040.25	635092.94
1207	154+17.27	26.59 RT	175049.62	635087.32

LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - PACKARD AVE	SHEET 32	E

POINT	STATION	OFFSET	Y COORDS	X COORDS
1300	156+73.52	46.59 LT	175124.37	635343.11
1301	156+77.95	41.17 LT	175118.98	635347.58
1302	156+79.78	51.72 LT	175129.53	635349.34
1303	156+84.21	46.30 LT	175124.14	635353.81
1304	156+81.26	53.68 LT	175131.50	635350.81
1305	156+86.16	54.66 LT	175132.52	635355.71
1306	156+87.18	53.84 LT	175131.70	635356.73
1307	156+87.31	48.84 LT	175126.70	635356.89
1308	156+90.48	53.92 LT	175131.81	635360.03
1309	156+90.61	48.93 LT	175126.81	635360.19
1310	156+91.58	53.95 LT	175131.84	635361.13
1311	156+79.24	63.47 LT	175141.29	635348.73
1312	156+84.13	64.50 LT	175142.35	635353.62
1313	156+82.24	44.69 LT	175122.52	635351.85
1314	156+86.15	47.89 LT	175125.74	635355.74

POINT	STATION	OFFSET	Y COORDS	X COORDS
1400	157+43.66	65.33 LT	175143.54	635413.14
1401	157+48.61	66.01 LT	175144.25	635418.09
1402	157+45.07	55.39 LT	175133.61	635414.61
1403	157+50.02	56.11 LT	175134.36	635419.56
1404	157+39.55	55.24 LT	175133.43	635409.09
1405	157+41.37	55.29 LT	175133.49	635410.91
1406	157+41.50	50.29 LT	175128.49	635411.08
1407	157+45.21	50.39 LT	175128.61	635414.78
1408	157+49.07	48.37 LT	175126.61	635418.66
1409	157+52.32	54.57 LT	175132.83	635421.87
1410	157+56.84	44.30 LT	175122.59	635426.45
1411	157+60.09	50.50 LT	175128.81	635429.66
1412	157+46.53	49.70 LT	175127.92	635416.11
1413	157+51.63	47.03 LT	175125.29	635421.22

HAMILTON AVE

DURAND AVE

TLE

SLOPE INTERCEPT

R/W

LL

2M

1300 623.82
1301 623.72
1302 623.64
1303 623.53
1304 623.65
1305 623.57
1306 623.55
1307 623.47
1308 623.38
1309 623.34
623.37(F)
1310 623.37
623.40(F)
1311 624.26
1312 624.19
1313 623.59
624.09(T)
1314 623.50
624.00(T)

1400 623.94
1401 624.02
1402 623.62
1403 623.69
1404 623.38
1405 623.40
1406 623.45
623.49(F)
1407 623.56
1408 623.63
1409 623.74
1410 624.24
1411 624.35
1412 623.59
624.19(T)
1413 623.83
624.40(T)

LEGEND

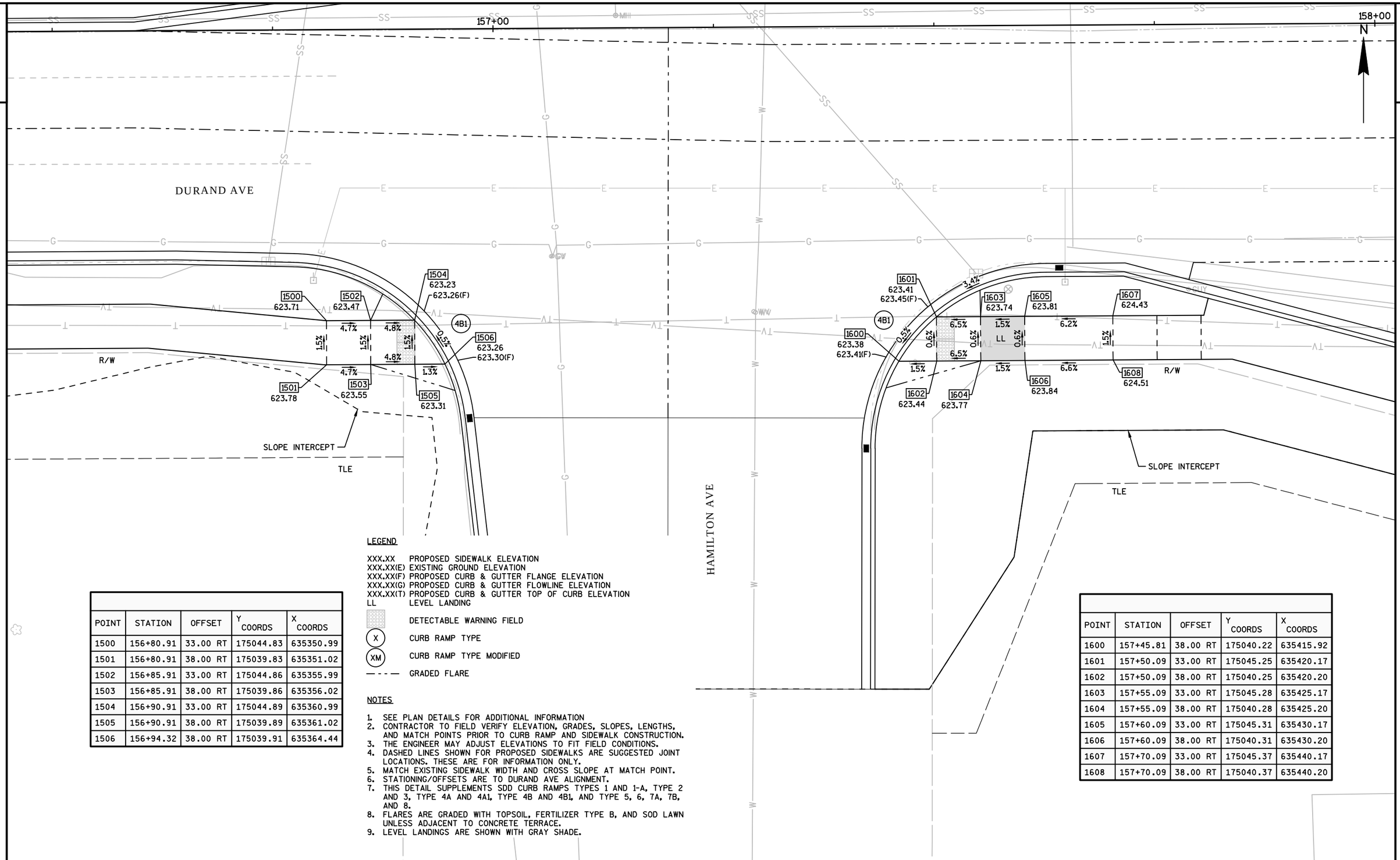
XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

157+00

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - HAMILTON AVE	SHEET 33	E



LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

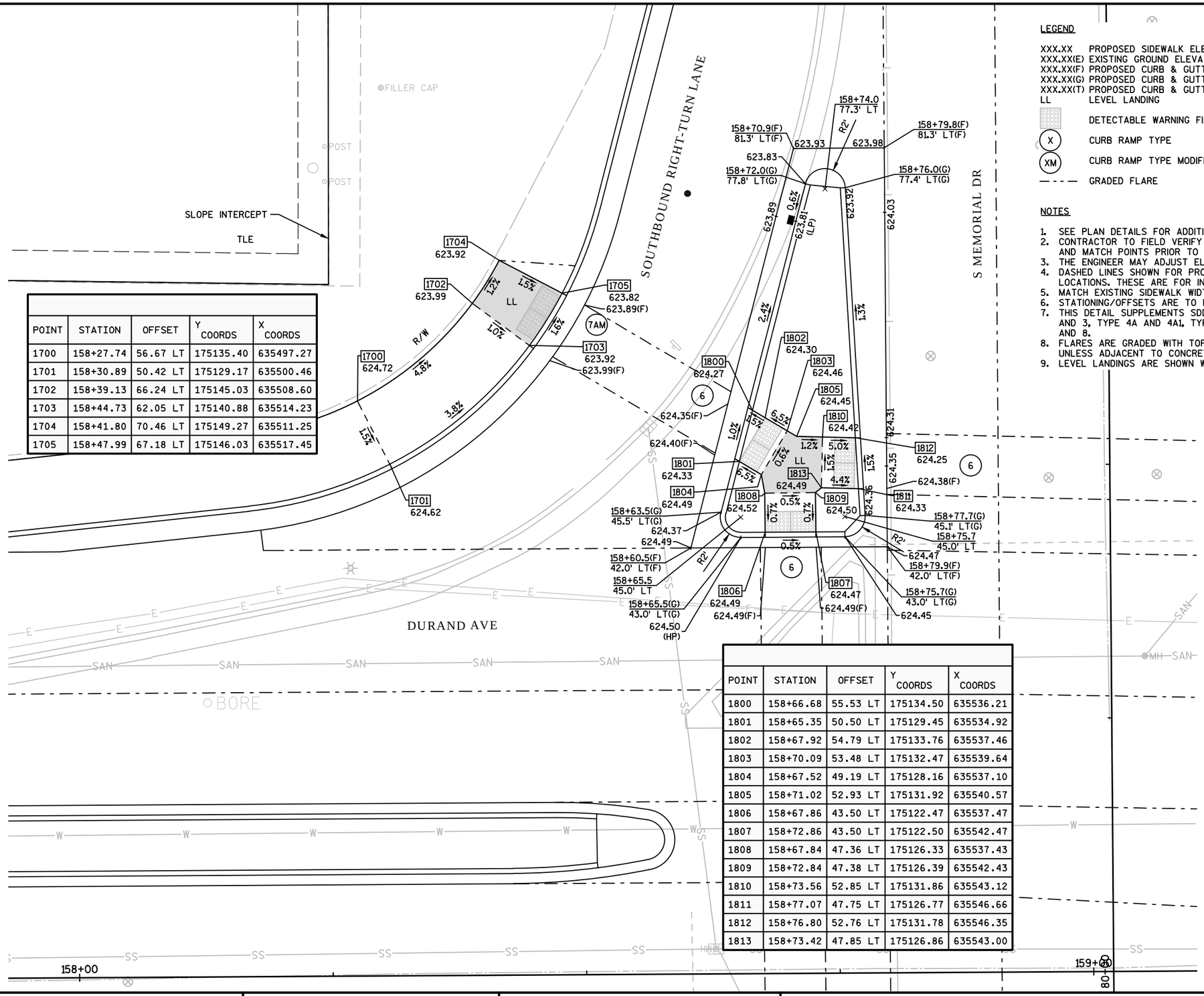
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
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4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
1500	156+80.91	33.00 RT	175044.83	635350.99
1501	156+80.91	38.00 RT	175039.83	635351.02
1502	156+85.91	33.00 RT	175044.86	635355.99
1503	156+85.91	38.00 RT	175039.86	635356.02
1504	156+90.91	33.00 RT	175044.89	635360.99
1505	156+90.91	38.00 RT	175039.89	635361.02
1506	156+94.32	38.00 RT	175039.91	635364.44

POINT	STATION	OFFSET	Y COORDS	X COORDS
1600	157+45.81	38.00 RT	175040.22	635415.92
1601	157+50.09	33.00 RT	175045.25	635420.17
1602	157+50.09	38.00 RT	175040.25	635420.20
1603	157+55.09	33.00 RT	175045.28	635425.17
1604	157+55.09	38.00 RT	175040.28	635425.20
1605	157+60.09	33.00 RT	175045.31	635430.17
1606	157+60.09	38.00 RT	175040.31	635430.20
1607	157+70.09	33.00 RT	175045.37	635440.17
1608	157+70.09	38.00 RT	175040.37	635440.20

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - HAMILTON AVE	SHEET 34	E

2



POINT	STATION	OFFSET	Y COORDS	X COORDS
1700	158+27.74	56.67 LT	175135.40	635497.27
1701	158+30.89	50.42 LT	175129.17	635500.46
1702	158+39.13	66.24 LT	175145.03	635508.60
1703	158+44.73	62.05 LT	175140.88	635514.23
1704	158+41.80	70.46 LT	175149.27	635511.25
1705	158+47.99	67.18 LT	175146.03	635517.45

POINT	STATION	OFFSET	Y COORDS	X COORDS
1800	158+66.68	55.53 LT	175134.50	635536.21
1801	158+65.35	50.50 LT	175129.45	635534.92
1802	158+67.92	54.79 LT	175133.76	635537.46
1803	158+70.09	53.48 LT	175132.47	635539.64
1804	158+67.52	49.19 LT	175128.16	635537.10
1805	158+71.02	52.93 LT	175131.92	635540.57
1806	158+67.86	43.50 LT	175122.47	635537.47
1807	158+72.86	43.50 LT	175122.50	635542.47
1808	158+67.84	47.36 LT	175126.33	635537.43
1809	158+72.84	47.38 LT	175126.39	635542.43
1810	158+73.56	52.85 LT	175131.86	635543.12
1811	158+77.07	47.75 LT	175126.77	635546.66
1812	158+76.80	52.76 LT	175131.78	635546.35
1813	158+73.42	47.85 LT	175126.86	635543.00

LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

N

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - S MEMORIAL DR	SHEET 35	E

FILE NAME : T:\1142715\Civil3D\22600800\SheetsPlan\021301-cr.dwg
LAYOUT NAME - 021301-CR - 09
PLOT DATE : 9/18/2019 10:29 AM PLOT BY : ---- PLOT NAME : PLOT SCALE : 1 IN:10 FT_1
WISDOT/CADDS SHEET 42

2

POINT	STATION	OFFSET	Y COORDS	X COORDS
2000	159+56.65	72.74 LT	175152.25	635626.08
2001	159+60.98	78.24 LT	175157.78	635630.37
2002	159+61.70	69.36 LT	175148.91	635631.15
2003	159+65.13	75.46 LT	175155.03	635634.55
2004	159+70.86	65.63 LT	175145.23	635640.33
2005	159+72.67	72.39 LT	175152.00	635642.10

POINT	STATION	OFFSET	Y COORDS	X COORDS
1900	159+37.37	50.98 LT	175130.37	635606.94
1901	159+37.38	45.97 LT	175125.37	635606.97
1902	159+41.76	50.85 LT	175130.27	635611.33
1903	159+41.62	45.85 LT	175125.27	635611.21
1904	159+42.33	42.02 LT	175121.45	635611.95
1905	159+47.33	42.27 LT	175121.73	635616.95
1906	159+47.33	45.32 LT	175124.78	635616.93
1907	159+47.33	47.57 LT	175127.02	635616.91
1908	159+43.83	51.38 LT	175130.82	635613.39
1909	159+48.05	48.69 LT	175128.15	635617.62
1910	159+45.28	53.65 LT	175133.10	635614.83
1911	159+49.50	50.96 LT	175130.43	635619.06
1912	159+50.07	51.86 LT	175131.33	635619.63
1913	159+42.33	45.32 LT	175124.75	635611.93

S MEMORIAL DR

DURAND AVE

WESTBOUND RIGHT-TURN LANE

SLOPE INTERCEPT

TLE

R/W

160+00

N

LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING

DETECTABLE WARNING FIELD

(X) CURB RAMP TYPE

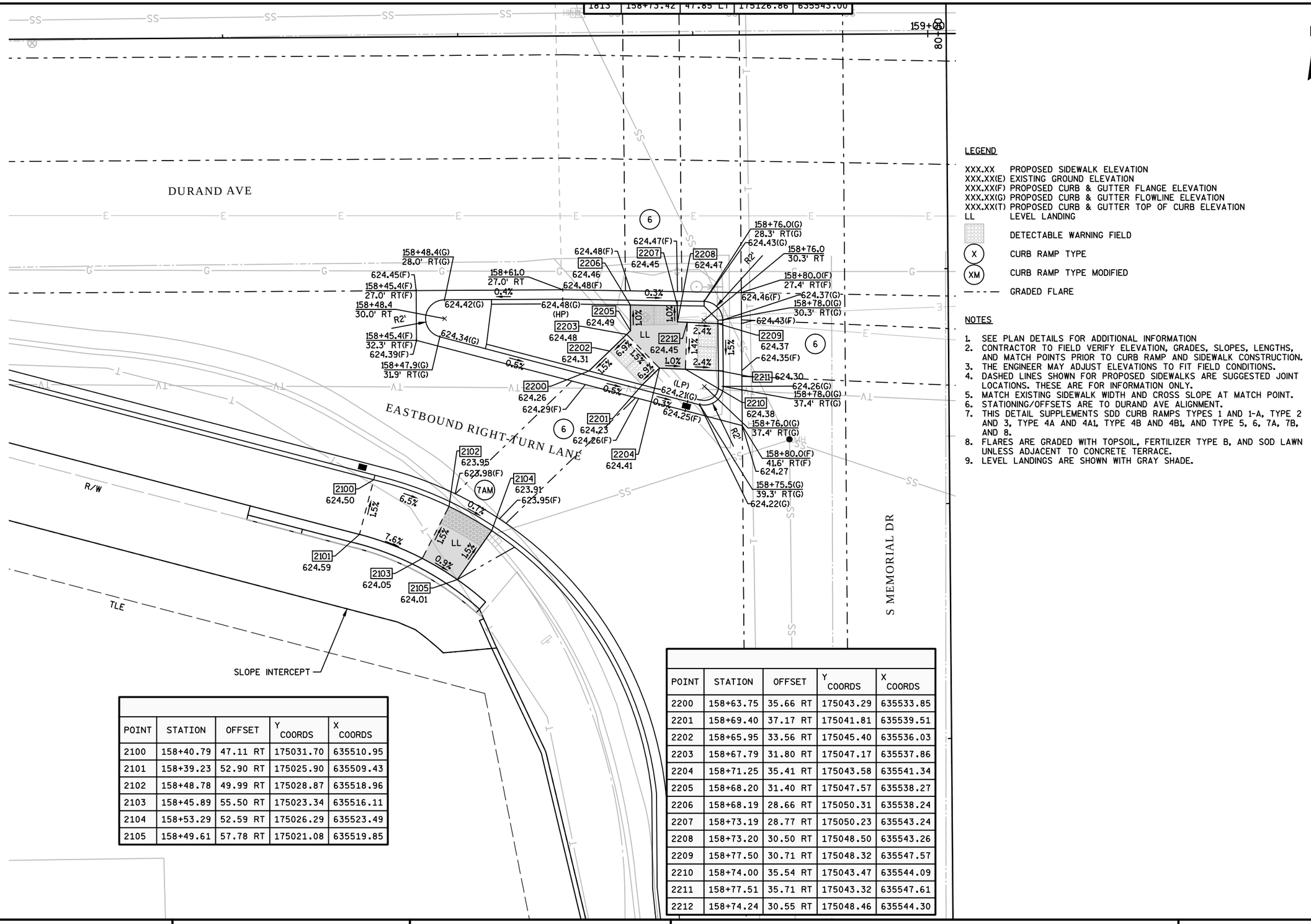
(XM) CURB RAMP TYPE MODIFIED

GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - S MEMORIAL DR	SHEET 36	E



POINT	STATION	OFFSET	Y COORDS	X COORDS
2100	158+40.79	47.11 RT	175031.70	635510.95
2101	158+39.23	52.90 RT	175025.90	635509.43
2102	158+48.78	49.99 RT	175028.87	635518.96
2103	158+45.89	55.50 RT	175023.34	635516.11
2104	158+53.29	52.59 RT	175026.29	635523.49
2105	158+49.61	57.78 RT	175021.08	635519.85

POINT	STATION	OFFSET	Y COORDS	X COORDS
2200	158+63.75	35.66 RT	175043.29	635533.85
2201	158+69.40	37.17 RT	175041.81	635539.51
2202	158+65.95	33.56 RT	175045.40	635536.03
2203	158+67.79	31.80 RT	175047.17	635537.86
2204	158+71.25	35.41 RT	175043.58	635541.34
2205	158+68.20	31.40 RT	175047.57	635538.27
2206	158+68.19	28.66 RT	175050.31	635538.24
2207	158+73.19	28.77 RT	175050.23	635543.24
2208	158+73.20	30.50 RT	175048.50	635543.26
2209	158+77.50	30.71 RT	175048.32	635547.57
2210	158+74.00	35.54 RT	175043.47	635544.09
2211	158+77.51	35.71 RT	175043.32	635547.61
2212	158+74.24	30.55 RT	175048.46	635544.30

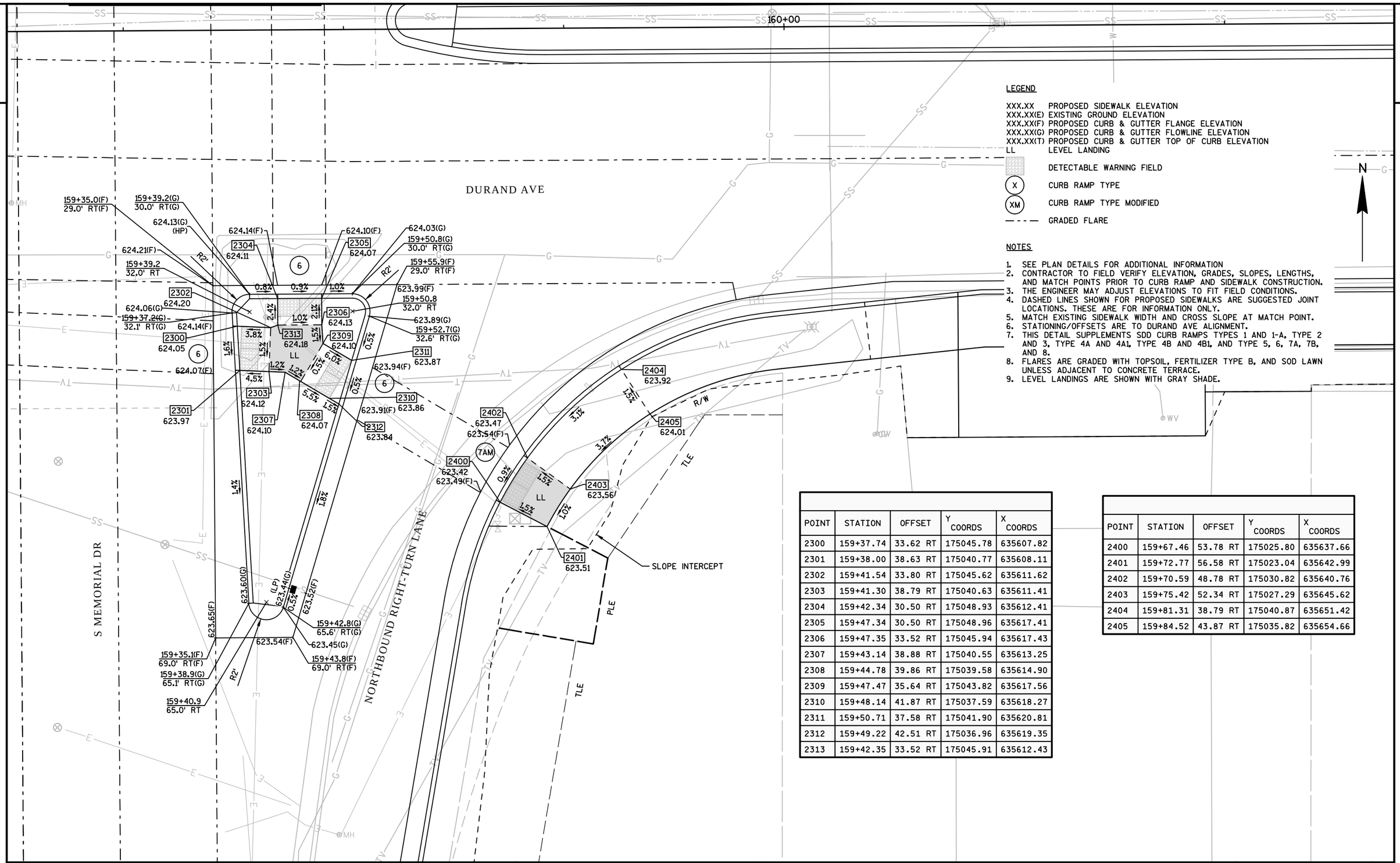
LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL LEVEL LANDING
DETECTABLE WARNING FIELD
(X) CURB RAMP TYPE
(XM) CURB RAMP TYPE MODIFIED
GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - S MEMORIAL DR	SHEET 37	E



LEGEND

XXX.XX	PROPOSED SIDEWALK ELEVATION
XXX.XX(E)	EXISTING GROUND ELEVATION
XXX.XX(F)	PROPOSED CURB & GUTTER FLANGE ELEVATION
XXX.XX(G)	PROPOSED CURB & GUTTER FLOWLINE ELEVATION
XXX.XX(T)	PROPOSED CURB & GUTTER TOP OF CURB ELEVATION
LL	LEVEL LANDING
	DETECTABLE WARNING FIELD
X	CURB RAMP TYPE
XM	CURB RAMP TYPE MODIFIED
- - - -	GRADED FLARE

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE SUGGESTED JOINT LOCATIONS. THESE ARE FOR INFORMATION ONLY.
5. MATCH EXISTING SIDEWALK WIDTH AND CROSS SLOPE AT MATCH POINT.
6. STATIONING/OFFSETS ARE TO DURAND AVE ALIGNMENT.
7. THIS DETAIL SUPPLEMENTS SDD CURB RAMPS TYPES 1 AND 1-A, TYPE 2 AND 3, TYPE 4A AND 4A1, TYPE 4B AND 4B1, AND TYPE 5, 6, 7A, 7B, AND 8.
8. FLARES ARE GRADED WITH TOPSOIL, FERTILIZER TYPE B, AND SOD LAWN UNLESS ADJACENT TO CONCRETE TERRACE.
9. LEVEL LANDINGS ARE SHOWN WITH GRAY SHADE.

POINT	STATION	OFFSET	Y COORDS	X COORDS
2300	159+37.74	33.62 RT	175045.78	635607.82
2301	159+38.00	38.63 RT	175040.77	635608.11
2302	159+41.54	33.80 RT	175045.62	635611.62
2303	159+41.30	38.79 RT	175040.63	635611.41
2304	159+42.34	30.50 RT	175048.93	635612.41
2305	159+47.34	30.50 RT	175048.96	635617.41
2306	159+47.35	33.52 RT	175045.94	635617.43
2307	159+43.14	38.88 RT	175040.55	635613.25
2308	159+44.78	39.86 RT	175039.58	635614.90
2309	159+47.47	35.64 RT	175043.82	635617.56
2310	159+48.14	41.87 RT	175037.59	635618.27
2311	159+50.71	37.58 RT	175041.90	635620.81
2312	159+49.22	42.51 RT	175036.96	635619.35
2313	159+42.35	33.52 RT	175045.91	635612.43

POINT	STATION	OFFSET	Y COORDS	X COORDS
2400	159+67.46	53.78 RT	175025.80	635637.66
2401	159+72.77	56.58 RT	175023.04	635642.99
2402	159+70.59	48.78 RT	175030.82	635640.76
2403	159+75.42	52.34 RT	175027.29	635645.62
2404	159+81.31	38.79 RT	175040.87	635651.42
2405	159+84.52	43.87 RT	175035.82	635654.66

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS - S MEMORIAL DR	SHEET 38	E

2

LEGEND

SLOPE INTERCEPT

X-X INLET PROTECTION

CONSTRUCTION STAGE INSTALLED
INLET PROTECTION TYPE

N

KEARNEY AVE

MADISON ST

DURAND AVE/STH 11

141+00 142+00 143+00 144+00 145+00 146

BEGIN PROJECT
STA. 141+03

MATCHLINE STA 146+00

C-1 A-2 C-2 A-1

CONC ASPH A/C MH SAN SS W WV G GV H OH C

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL	SHEET 39	E

2

LEGEND

SLOPE INTERCEPT

X-X INLET PROTECTION

CONSTRUCTION STAGE INSTALLED
INLET PROTECTION TYPE

N

MATCHLINE STA 146+00

MATCHLINE STA 152+00

DURAND AVE/STH 11

WELLINGTON DR

COOLIDGE AVE

PHILLIPS AVE

147+00 148+00 149+00 150+00 151+00

A-2 C-2 A-1 C-1

ASPH CONC H C G W SS SAN WV OH MH GV GUY MWEL POST

2

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL	SHEET 40	E

2

LEGEND

SLOPE INTERCEPT

X-X INLET PROTECTION
- CONSTRUCTION STAGE INSTALLED
- INLET PROTECTION TYPE

N

MATCHLINE STA 152+00

MATCHLINE STA 158+00

DURAND AVE/STH 11

PACKARD AVE

HAMILTON AVE

HAMILTON AVE

153+00 154+00 155+00 156+00 157+00

A-2 C-2 A-1 C-1 B-1

(C) PLACE AT NEXT INLETS ON PACKARD AVE

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL	SHEET 41	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022001-EC - 03

PLOT DATE : 4/27/2021 11:11 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

SLOPE INTERCEPT

INLET PROTECTION

CONSTRUCTION STAGE INSTALLED
INLET PROTECTION TYPE

N

MATCHLINE STA 158+00

MATCHLINE STA 164+00

MATCHLINE STA 78+25

S MEMORIAL DR

DURAND AVE/STH 11

CAPITOL AVE

81+00

80+00

79+00

158+00

160+00

161+00

162+00

163+00

A-2 C-2

C-1

B-1

A-3 C-3

A-1 C-1

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL	SHEET 42	E

2

LEGEND

SLOPE INTERCEPT

INLET PROTECTION

CONSTRUCTION STAGE INSTALLED
INLET PROTECTION TYPE

N

MATCHLINE STA 164+00

STH 32 / SHERIDAN RD

DURAND AVE/STH 11

C-1

C-1

C-1

C-1

MH
RIM=607.73
BOLTED SHUT

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL	SHEET 43	E

2

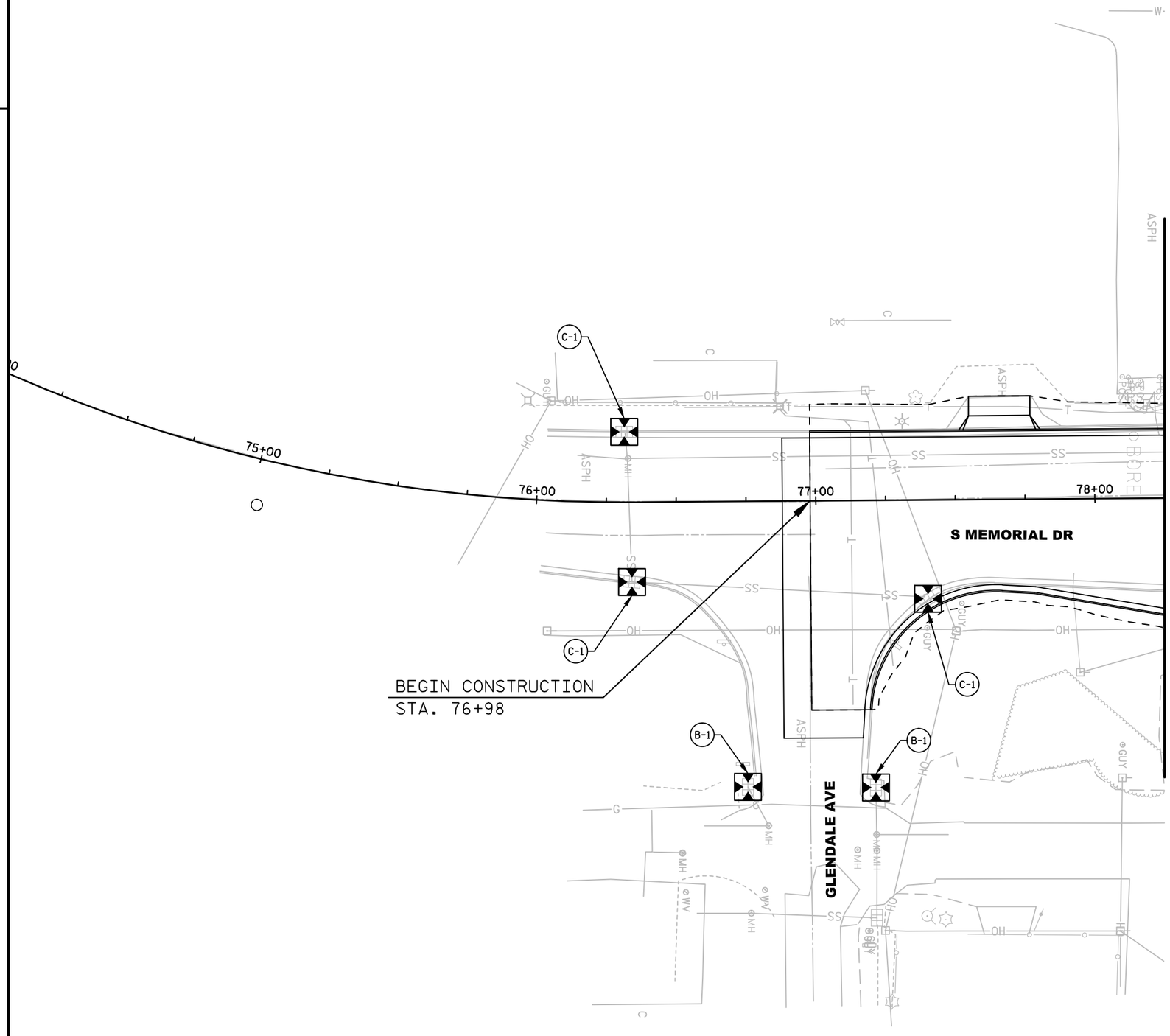
LEGEND

SLOPE INTERCEPT

INLET PROTECTION

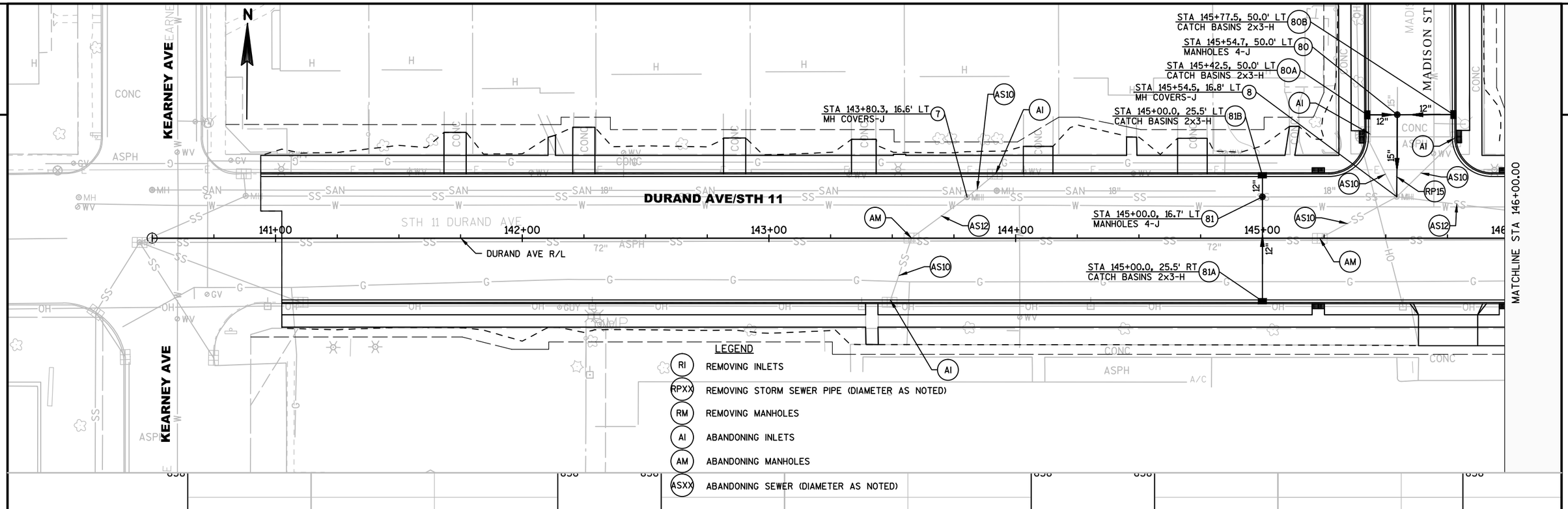
CONSTRUCTION STAGE INSTALLED
INLET PROTECTION TYPE

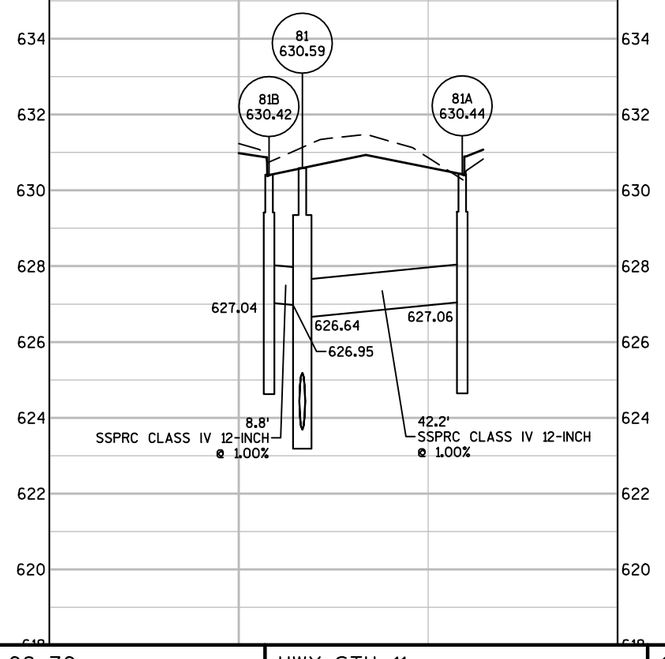
N

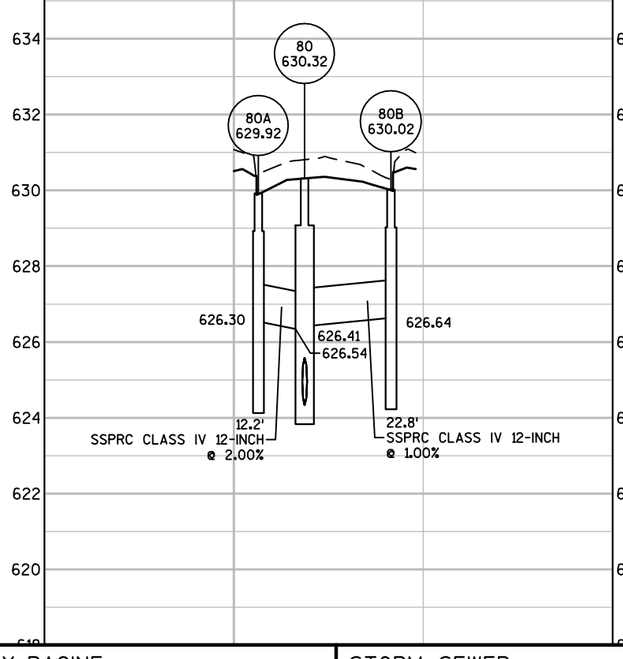


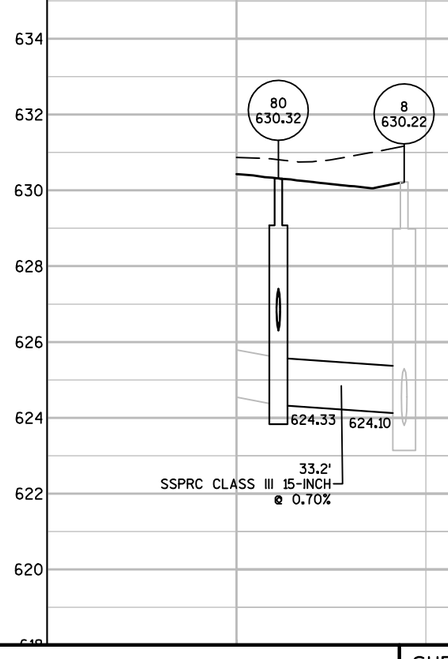
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL	SHEET 44	E

2


N
KEARNEY AVE
KEARNEY AVE
MADISON ST
DURAND AVE/STH 11
STH 11 DURAND AVE
DURAND AVE R/L
141+00
142+00
143+00
144+00
145+00
MATCHLINE STA 146+00.00
STA 145+77.5, 50.0' LT
CATCH BASINS 2x3-H
80B
STA 145+54.7, 50.0' LT
MANHOLES 4-J
80
STA 145+42.5, 50.0' LT
CATCH BASINS 2x3-H
80A
STA 145+54.5, 16.8' LT
MH COVERS-J
8
STA 145+00.0, 25.5' LT
CATCH BASINS 2x3-H
81B
STA 143+80.3, 16.6' LT
MH COVERS-J
7
STA 145+00.0, 16.7' LT
MANHOLES 4-J
81
STA 145+00.0, 25.5' RT
CATCH BASINS 2x3-H
81A
AI
AS10
AS12
AM
RP15
12"
15"
72" ASPH
CONC
ASPH
A/C
LEGEND
RI REMOVING INLETS
RPXX REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM REMOVING MANHOLES
AI ABANDONING INLETS
AM ABANDONING MANHOLES
ASXX ABANDONING SEWER (DIAMETER AS NOTED)


81
630.59
81B
630.42
81A
630.44
627.04
626.64
626.95
627.06
8.8'
SSPRC CLASS IV 12-INCH
@ 1.00%
42.2'
SSPRC CLASS IV 12-INCH
@ 1.00%


80
630.32
80A
629.92
80B
630.02
626.30
626.41
626.54
626.64
12.2'
SSPRC CLASS IV 12-INCH
@ 2.00%
22.8'
SSPRC CLASS IV 12-INCH
@ 1.00%


80
630.32
8
630.22
624.33
624.10
33.2'
SSPRC CLASS III 15-INCH
@ 0.70%

2

MATCHLINE STA 146+00.00

MATCHLINE STA 152+00.00

N

DURAND AVE/STH 11

STH 11 DURAND AVE

DURAND AVE R/L

WELLINGTON DR

COOLIDGE AVE

PHILLIPS AVE

STA 146+60.0, 25.5' LT
CATCH BASINS 4-H
9C

STA 146+81.0, 16.5' RT
MANHOLES 4-J
9

STA 146+81.0, 25.5' RT
CATCH BASINS 4-H
9A

STA 147+05.7, 42.6' RT
CATCH BASINS 4-H
9B

STA 148+50.0, 25.5' LT
CATCH BASINS 2x3-H
18B

STA 148+50.0, 16.5' RT
MANHOLES 4-J
18

STA 148+50.0, 25.5' RT
CATCH BASINS 2x3-H
18A

STA 150+05.0, 25.5' LT
CATCH BASINS 2x3-H
17D

STA 150+14.0, 16.5' RT
MANHOLES 4-J
17

STA 150+14.6, 25.5' RT
CATCH BASINS 4-H
17A

STA 150+35.9, 52.4' RT
MH COVERS-J
17B

STA 150+96.2, 60.5' RT
EXISTING INLET TO REMAIN
17C

STA 150+52.5, 45.0' LT
CATCH BASINS 2x3-H
60A

STA 150+75.3, 45.0' LT
MANHOLES 4-J
60

STA 150+87.5, 43.6' LT
CATCH BASINS 2x3-H
60B

STA 150+75.1, 22.7' LT
MANHOLES 4-J
16

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)

9
629.06

18
627.49

17
626.02

624.29

623.45

623.35

620.98

620.73

169.0' SSPRC CLASS IV 15-INCH @ 0.50%

164.0' SSPRC CLASS IV 15-INCH @ 1.44%

211.0'
SSP CLASS III-A 18-INCH
@ 1.88%

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 46	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 02

PLOT DATE : 4/27/2021 11:13 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

MATCHLINE STA 146+00.00

MATCHLINE STA 152+00.00

N

DURAND AVE/STH 11

STH 11 DURAND AVE

DURAND AVE R/L

WELLINGTON DR

COOLIDGE AVE

PHILLIPS AVE

STA 146+60.0, 25.5' LT
CATCH BASINS 4-H
9C

STA 146+81.0, 16.5' RT
MANHOLES 4-J
9

STA 146+81.0, 25.5' RT
CATCH BASINS 4-H
9A

STA 147+05.7, 42.6' RT
CATCH BASINS 4-H
9B

STA 148+50.0, 25.5' LT
CATCH BASINS 2x3-H
18B

STA 148+50.0, 16.5' RT
MANHOLES 4-J
18

STA 148+50.0, 25.5' RT
CATCH BASINS 2x3-H
18A

STA 150+05.0, 25.5' LT
CATCH BASINS 2x3-H
17D

STA 150+52.5, 45.0' LT
CATCH BASINS 2x3-H
60A

STA 150+14.0, 16.5' RT
MANHOLES 4-J
17

STA 150+14.6, 25.5' RT
CATCH BASINS 4-H
17A

STA 150+35.9, 52.4' RT
MH COVERS-J
17B

STA 150+96.2, 60.5' RT
EXISTING INLET TO REMAIN
17C

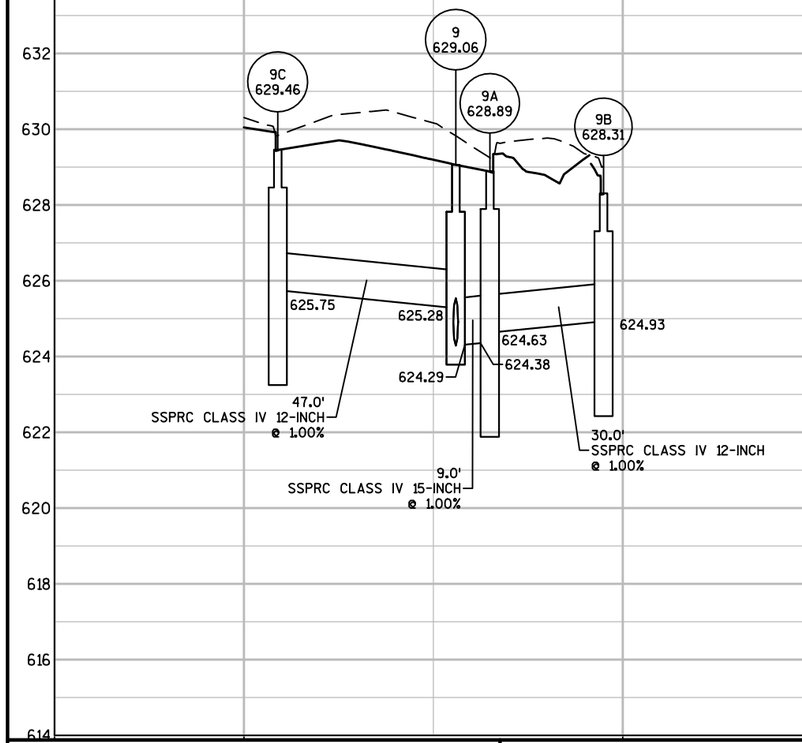
STA 150+75.3, 45.0' LT
MANHOLES 4-J
60

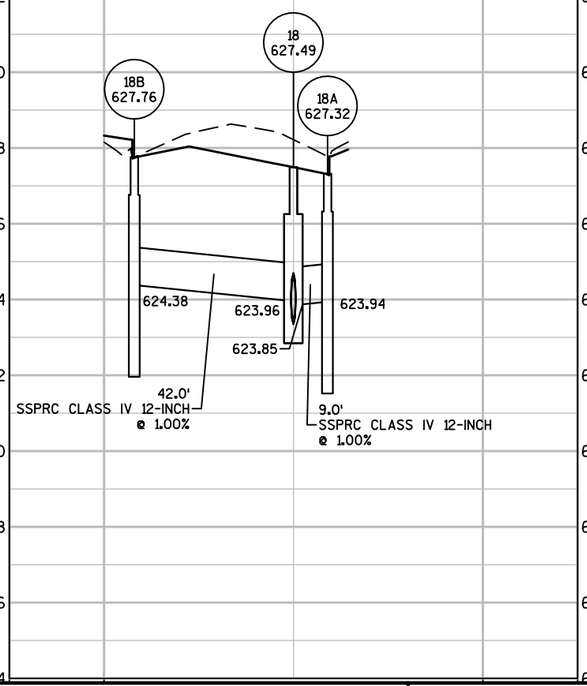
STA 150+87.5, 43.6' LT
CATCH BASINS 2x3-H
60B

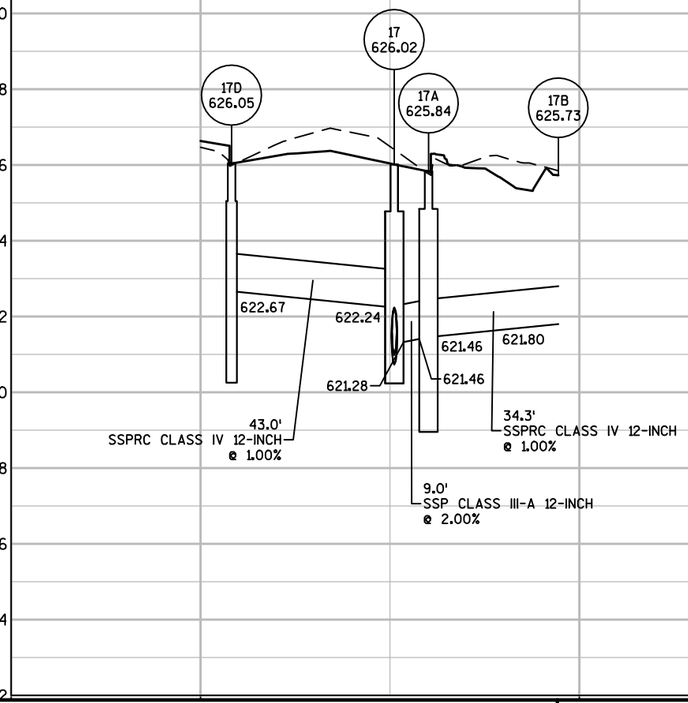
STA 150+75.1, 22.7' LT
MANHOLES 4-J
16

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)







PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 47	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 02A

PLOT DATE : 4/27/2021 11:13 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 146+00.00

MATCHLINE STA 152+00.00

N

DURAND AVE/STH 11

STH 11 DURAND AVE

DURAND AVE R/L

WELLINGTON DR

COOLIDGE AVE

PHILLIPS AVE

STA 146+60.0, 25.5' LT
CATCH BASINS 4-H
9C

STA 146+81.0, 16.5' RT
MANHOLES 4-J
9

STA 146+81.0, 25.5' RT
CATCH BASINS 4-H
9A

STA 147+05.7, 42.6' RT
CATCH BASINS 4-H
9B

STA 148+50.0, 25.5' LT
CATCH BASINS 2x3-H
18B

STA 148+50.0, 16.5' RT
MANHOLES 4-J
18

STA 148+50.0, 25.5' RT
CATCH BASINS 2x3-H
18A

STA 150+05.0, 25.5' LT
CATCH BASINS 2x3-H
17D

STA 150+14.0, 16.5' RT
MANHOLES 4-J
17

STA 150+14.6, 25.5' RT
CATCH BASINS 4-H
17A

STA 150+35.9, 52.4' RT
MH COVERS-J
17B

STA 150+52.5, 45.0' LT
CATCH BASINS 2x3-H
60A

STA 150+75.3, 45.0' LT
MANHOLES 4-J
60

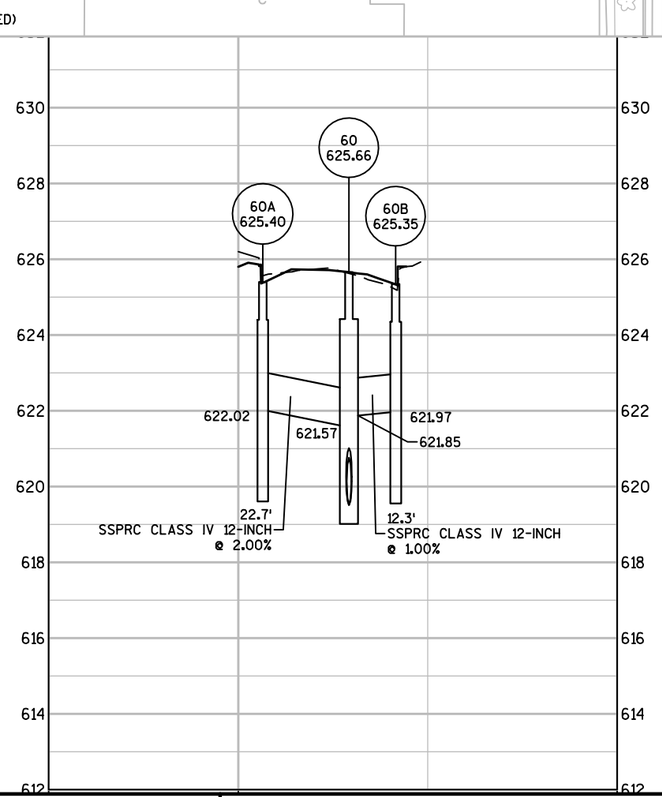
STA 150+87.5, 43.6' LT
CATCH BASINS 2x3-H
60B

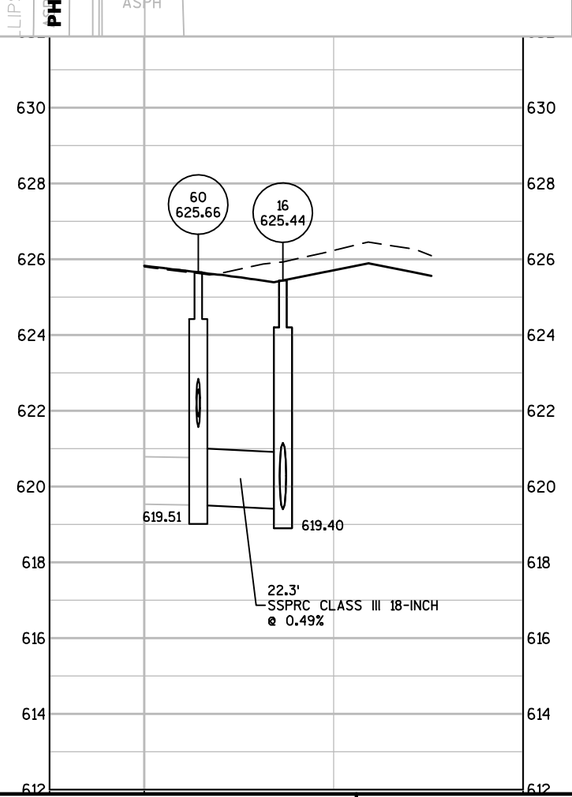
STA 150+75.1, 22.7' LT
MANHOLES 4-J
16

STA 150+96.2, 60.5' RT
EXISTING INLET TO REMAIN
17C

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 48	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 02B

PLOT DATE : 4/27/2021 11:13 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA 152+00.00

MATCHLINE STA 158+00.00

STA 153+39.6, 92.4' LT
EXISTING INLET TO REMAIN (14E)

STA 153+39.8, 23.4' LT
CATCH BASIN 8-H OFFSET (USE FLAT CURB PLATE WITHIN DRIVEWAY LIMITS)
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (14D)

STA 152+25.0, 23.4' LT
CATCH BASIN 8-H OFFSET
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (15B)

STA 154+50.0, 25.5' LT
CATCH BASINS 2x3-H (13B)

STA 156+12.8, 34.3' LT
CATCH BASINS 2x3-H (12C)

STA 156+92.1, 57.9' LT
CATCH BASINS 4-H (11A)

STA 156+22.8, 35.0' LT
CATCH BASINS 2x3-H (12D)

STA 157+37.0, 66.3' LT
CATCH BASINS 4-H (11B)

STA 156+81.4, 18.9' LT
MH COVERS-J (11)

STA 157+60.0, 42.5' LT
CATCH BASINS 4-H (11C)

STA 157+13.2, 19.7' LT
MH COVERS-J (10)

STA 156+14.5, 8.4' LT
CATCH BASINS 2x3-H (12B)

STA 156+13.6, 0.5' LT
CATCH BASINS 2x3-H (12A)

RP21 8' REMOVING STORM SEWER PIPE

RP24 8' REMOVING STORM SEWER PIPE

RM

AS10

AS21

AS24

AI

AM

DURAND AVE/STH 11

STH 11 DURAND AVE

DURAND AVE R/L

153+00

154+00

155+00

156+00

157+00

STA 152+25.0, 16.5' RT
MANHOLES 4-J (15)

STA 153+40.0, 16.5' RT
MANHOLES 4-J (14)

STA 154+50.0, 16.5' RT
MANHOLES 4-J (13)

STA 157+13.9, 1.4' LT
MH COVERS-J (4)

RI

STA 154+50.0, 25.5' RT
CATCH BASINS 2x3-H (13A)

STA 153+40.0, 25.5' RT
CATCH BASINS 4-H (14A)

STA 152+25.0, 25.5' RT
CATCH BASINS 2x3-H (15A)

STA 153+69.8, 46.1' RT
CATCH BASINS 4-H (14B)

STA 154+04.7, 55.1' RT
CATCH BASINS 2x3-H (14C)

STA 156+03.6, 25.5' RT
CATCH BASINS 2x3-H (12F)

STA 156+13.6, 25.5' RT
CATCH BASINS 2x3-H (12E)

STA 156+97.1, 44.2' RT
CATCH BASINS 2x3-H (4B)

STA 157+42.1, 47.9' RT
CATCH BASINS 5-H (4A)

STA 157+64.1, 27.5' RT
CATCH BASINS 4-H (4C)

PACKARD AVE

HAMILTON AVE

HAMILTON AVE

12"

18"

24"

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)

15
624.56

14
624.09

13
623.65

12
623.12

4
624.01

626
624
622
620
618
616
614
612
610

211.0' SSP CLASS III-A 18-INCH @ 1.88%

616.77

616.67

115.0' SSP CLASS III-A 18-INCH @ 1.88%

614.51

614.01

110.0' SSP CLASS III-A 24-INCH @ 1.00%

612.91

612.81

163.6' SSP CLASS III-A 24-INCH @ 1.00%

611.17

611.07

101.9' SSP CLASS III-A 24-INCH @ 1.30%

609.74

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 49	E

2

N

MATCHLINE STA 152+00.00

MATCHLINE STA 158+00.00

STA 153+39.6, 92.4' LT
EXISTING INLET TO REMAIN (14E)

STA 153+39.8, 23.4' LT
CATCH BASIN 8-H OFFSET (USE FLAT CURB PLATE WITHIN DRIVEWAY LIMITS)
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (14D)

STA 152+25.0, 23.4' LT
CATCH BASIN 8-H OFFSET
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (15B)

AS21

AS24

AI

AM

13B STA 154+50.0, 25.5' LT
CATCH BASINS 2x3-H

RP21 8' REMOVING STORM SEWER PIPE

RM

AS10

RP24 8' REMOVING STORM SEWER PIPE

DURAND AVE/STH 11

DURAND AVE R/L

STH 11 DURAND AVE

152+00

153+00

154+00

155+00

156+00

157+00

15 STA 152+25.0, 16.5' RT
MANHOLES 4-J

STA 153+40.0, 16.5' RT
MANHOLES 4-J (14)

13 STA 154+50.0, 16.5' RT
MANHOLES 4-J

RI

13A STA 154+50.0, 25.5' RT
CATCH BASINS 2x3-H

STA 156+12.8, 34.3' LT
CATCH BASINS 2x3-H (12C)

STA 156+92.1, 57.9' LT
CATCH BASINS 4-H (11A)

12D STA 156+22.8, 35.0' LT
CATCH BASINS 2x3-H

HAMILTON AVE

11B STA 157+37.0, 66.3' LT
CATCH BASINS 4-H

STA 156+81.4, 18.9' LT
MH COVERS-J (11)

STA 156+14.5, 8.4' LT
CATCH BASINS 2x3-H (12B)

11C STA 157+60.0, 42.5' LT
CATCH BASINS 4-H

10 STA 157+13.2, 19.7' LT
MH COVERS-J

STA 156+13.6, 0.5' LT
CATCH BASINS 2x3-H (12A)

STA 157+13.9, 1.4' LT
MH COVERS-J (4)

STA 153+40.0, 25.5' RT
CATCH BASINS 4-H (14A)

15A STA 152+25.0, 25.5' RT
CATCH BASINS 2x3-H

STA 153+69.8, 46.1' RT
CATCH BASINS 4-H (14B)

PACKARD AVE

14C STA 154+04.7, 55.1' RT
CATCH BASINS 2x3-H

STA 156+03.6, 25.5' RT
CATCH BASINS 2x3-H (12F)

STA 156+13.6, 25.5' RT
CATCH BASINS 2x3-H (12E)

STA 156+97.1, 44.2' RT
CATCH BASINS 2x3-H (4B)

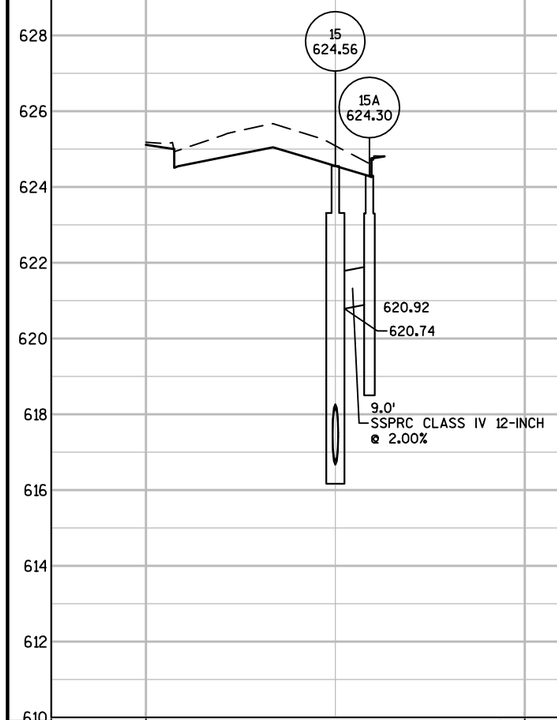
STA 157+42.1, 47.9' RT
CATCH BASINS 5-H (4A)

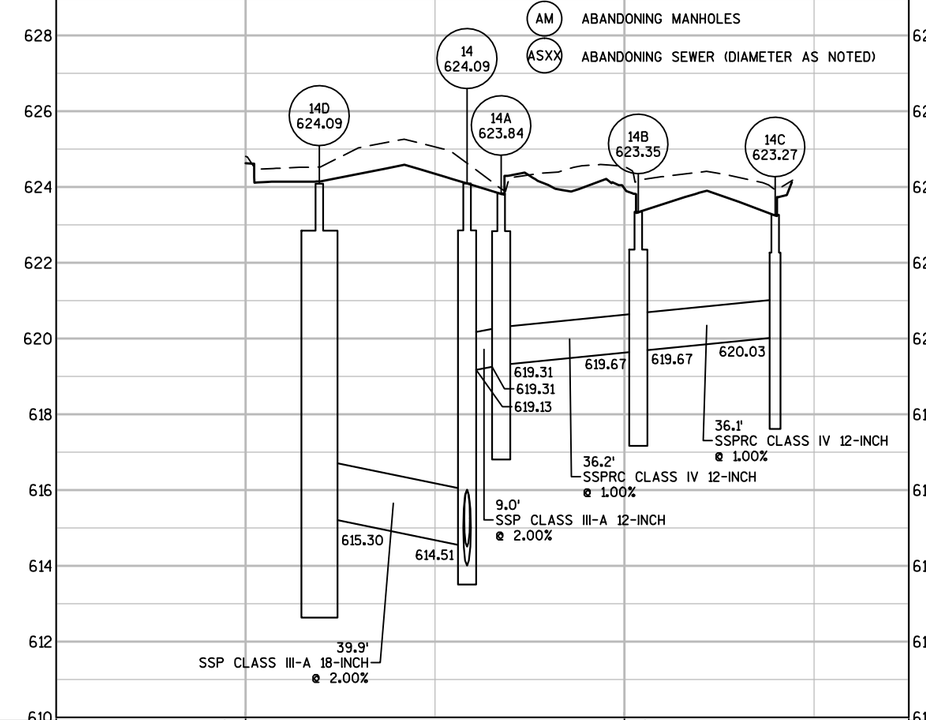
STA 157+64.1, 27.5' RT
CATCH BASINS 4-H (4C)

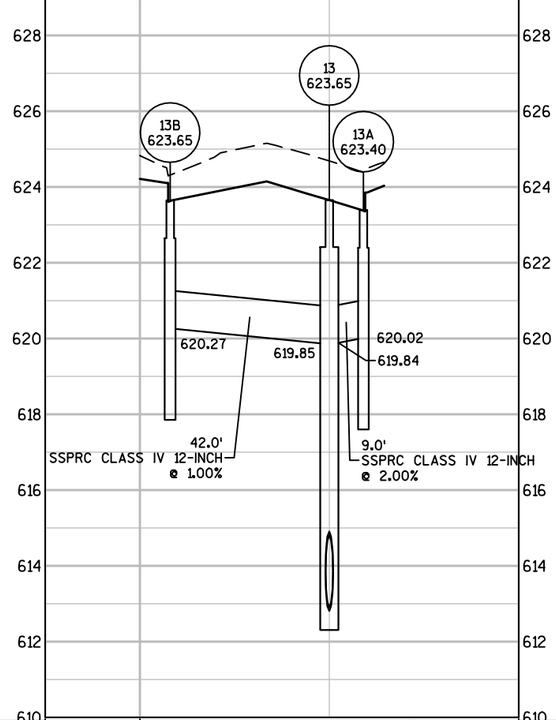
HAMILTON AVE

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)







PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 50	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 03A

PLOT DATE : 4/27/2021 11:14 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 41

2

STA 153+39.6, 92.4' LT
EXISTING INLET TO REMAIN (14E)

STA 153+39.8, 23.4' LT
CATCH BASIN 8-H OFFSET (USE FLAT CURB PLATE WITHIN DRIVEWAY LIMITS)
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (14D)

STA 152+25.0, 23.4' LT
CATCH BASIN 8-H OFFSET
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (15B)

AS21

AS24

AI

AM

13B STA 154+50.0, 25.5' LT
CATCH BASINS 2x3-H

RP21 8' REMOVING STORM SEWER PIPE

RM

AS10

RP24 8' REMOVING STORM SEWER PIPE

DURAND AVE/STH 11

STH 11 DURAND AVE

DURAND AVE R/L

+00 153+00 154+00 155+00 156+00 157+00 158+00

MATCHLINE STA 152+00.00

MATCHLINE STA 158+00.00

15 STA 152+25.0, 16.5' RT
MANHOLES 4-J

STA 153+40.0, 16.5' RT
MANHOLES 4-J (14)

13 STA 154+50.0, 16.5' RT
MANHOLES 4-J

RI

13A STA 154+50.0, 25.5' RT
CATCH BASINS 2x3-H

STA 153+40.0, 25.5' RT
CATCH BASINS 4-H (14A)

15A STA 152+25.0, 25.5' RT
CATCH BASINS 2x3-H

STA 153+69.8, 46.1' RT
CATCH BASINS 4-H (14B)

PACKARD AVE

14C STA 154+04.7, 55.1' RT
CATCH BASINS 2x3-H

STA 156+12.8, 34.3' LT
CATCH BASINS 2x3-H (12C)

STA 156+92.1, 57.9' LT
CATCH BASINS 4-H (11A)

12D STA 156+22.8, 35.0' LT
CATCH BASINS 2x3-H

HAMILTON AVE

11B STA 157+37.0, 66.3' LT
CATCH BASINS 4-H

STA 156+81.4, 18.9' LT
MH COVERS-J (11)

11C STA 157+60.0, 42.5' LT
CATCH BASINS 4-H

10 STA 157+13.2, 19.7' LT
MH COVERS-J

STA 156+14.5, 8.4' LT
CATCH BASINS 2x3-H (12B)

STA 156+13.6, 0.5' LT
CATCH BASINS 2x3-H (12A)

STA 157+13.9, 1.4' LT
MH COVERS-J (4)

STA 156+03.6, 25.5' RT
CATCH BASINS 2x3-H (12F)

STA 156+13.6, 25.5' RT
CATCH BASINS 2x3-H (12E)

STA 156+97.1, 44.2' RT
CATCH BASINS 2x3-H (4B)

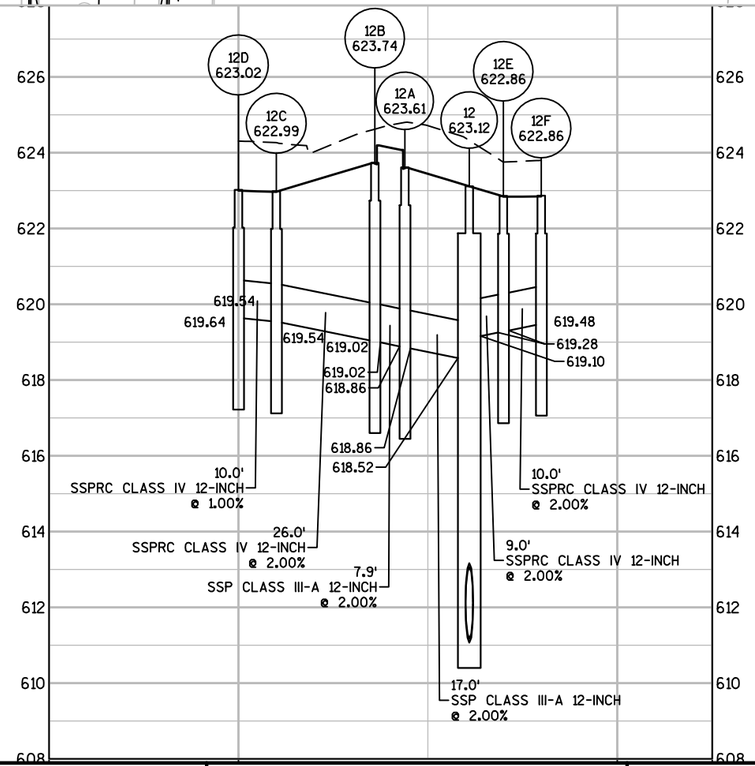
STA 157+42.1, 47.9' RT
CATCH BASINS 5-H (4A)

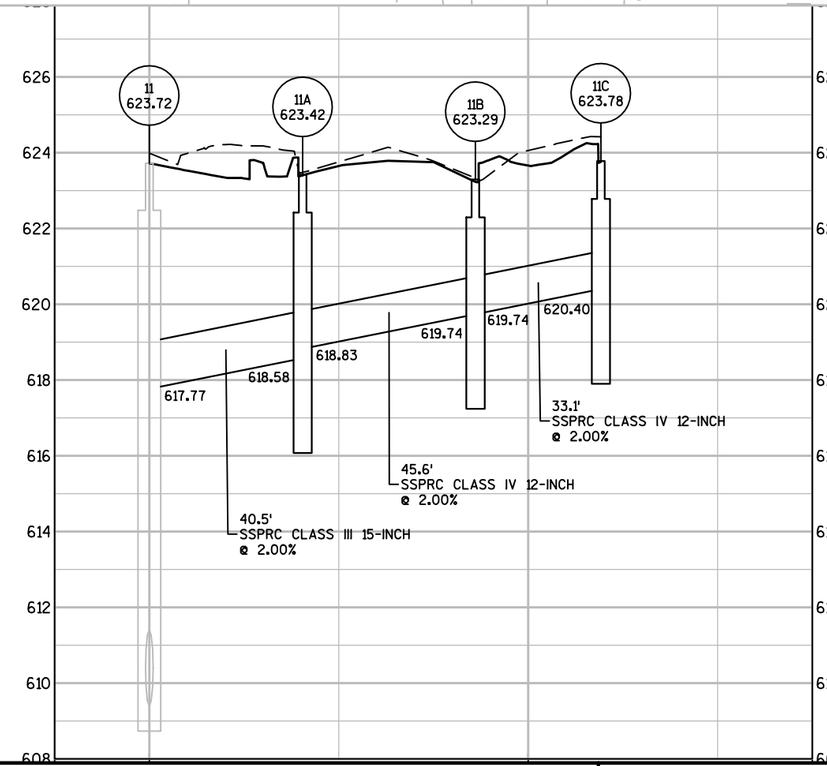
STA 157+64.1, 27.5' RT
CATCH BASINS 4-H (4C)

N

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 51	E

2

STA 153+39.6, 92.4' LT
EXISTING INLET TO REMAIN (14E)

STA 153+39.8, 23.4' LT
CATCH BASIN 8-H OFFSET (USE FLAT CURB PLATE WITHIN DRIVEWAY LIMITS)
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (14D)

STA 152+25.0, 23.4' LT
CATCH BASIN 8-H OFFSET
FLAT TOP SLAB, 2'X3' OPENING
SEE CONSTRUCTION DETAILS (15B)

AS21 AS24 AI AM AS10 RM RP21 RP24

13B STA 154+50.0, 25.5' LT
CATCH BASINS 2x3-H

8' REMOVING STORM SEWER PIPE

DURAND AVE/STH 11

STH 11 DURAND AVE

DURAND AVE R/L

MATCHLINE STA 152+00.00

MATCHLINE STA 158+00.00

+00 153+00 154+00 155+00 156+00 157+00 158

15 STA 152+25.0, 16.5' RT
MANHOLES 4-J

14 STA 153+40.0, 16.5' RT
MANHOLES 4-J

13 STA 154+50.0, 16.5' RT
MANHOLES 4-J

13A STA 154+50.0, 25.5' RT
CATCH BASINS 2x3-H

RI

15A STA 152+25.0, 25.5' RT
CATCH BASINS 2x3-H

14A STA 153+40.0, 25.5' RT
CATCH BASINS 4-H

14B STA 153+69.8, 46.1' RT
CATCH BASINS 4-H

PACKARD AVE

14C STA 154+04.7, 55.1' RT
CATCH BASINS 2x3-H

12C STA 156+12.8, 34.3' LT
CATCH BASINS 2x3-H

12B STA 156+14.5, 8.4' LT
CATCH BASINS 2x3-H

12A STA 156+13.6, 0.5' LT
CATCH BASINS 2x3-H

12F STA 156+03.6, 25.5' RT
CATCH BASINS 2x3-H

12E STA 156+13.6, 25.5' RT
CATCH BASINS 2x3-H

11A STA 156+92.1, 57.9' LT
CATCH BASINS 4-H

12D STA 156+22.8, 35.0' LT
CATCH BASINS 2x3-H

11 STA 156+81.4, 18.9' LT
MH COVERS-J

4 STA 157+13.9, 1.4' LT
MH COVERS-J

4B STA 156+97.1, 44.2' RT
CATCH BASINS 2x3-H

4A STA 157+42.1, 47.9' RT
CATCH BASINS 5-H

4C STA 157+64.1, 27.5' RT
CATCH BASINS 4-H

HAMILTON AVE

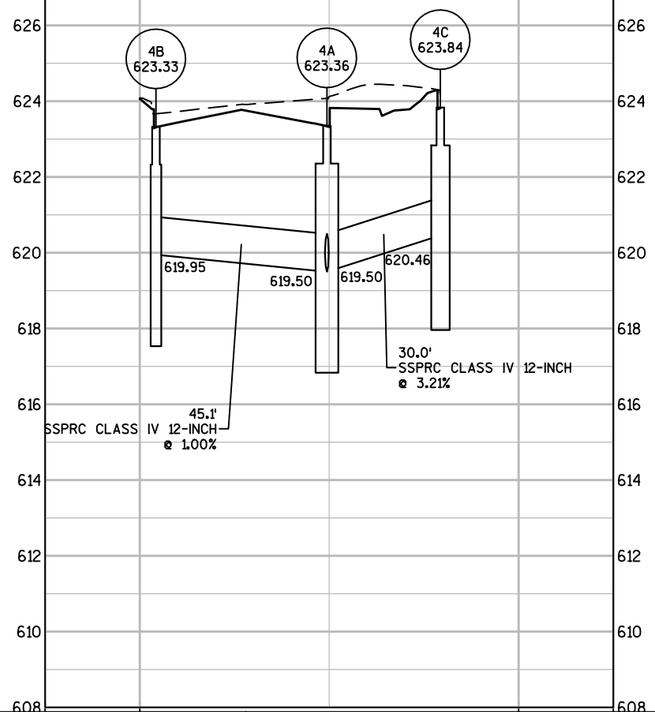
11B STA 157+37.0, 66.3' LT
CATCH BASINS 4-H

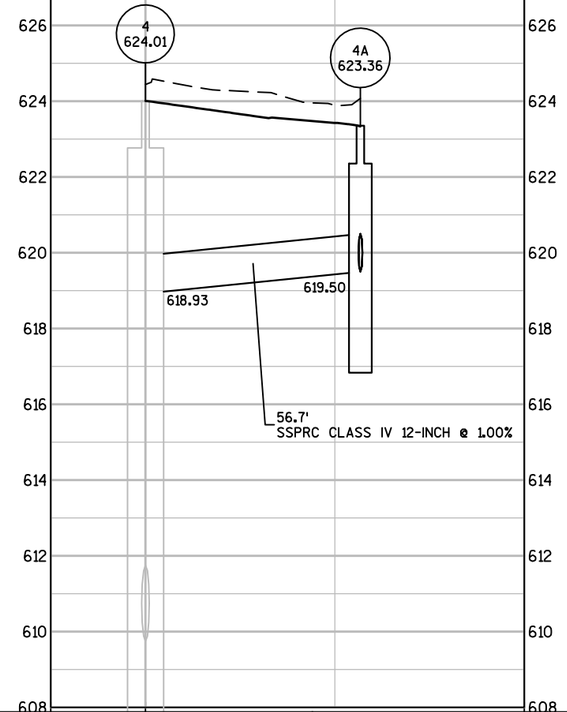
11C STA 157+60.0, 42.5' LT
CATCH BASINS 4-H

10 STA 157+13.2, 19.7' LT
MH COVERS-J

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 52	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-SS - 03C
PLOT DATE : 4/27/2021 11:14 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

2

MATCHLINE STA 158+00.00

MATCHLINE STA 164+00.00

N

DURAND AVE/STH 11

DURAND AVE R/L

S MEMORIAL DR

CAPITOL AVE

STA 158+62.8, 2.5' LT
3 MH COVERS-J

STA 158+39.6, 45.8' RT
19C CATCH BASINS 4-H

STA 79+57.0, 17.0' LT
19 MANHOLES 5-J

STA 79+60.6, 27.9' LT
19B CATCH BASINS 4-H

STA 79+36.4, 41.8' RT
19D CATCH BASINS 2x3-H

STA 159+63.4, 47.9' LT
23A CATCH BASINS 4-H

STA 160+08.0, 54.7' LT
23E CATCH BASINS 4-H

STA 159+98.8, 49.4' LT
23 MANHOLES 4-J

STA 160+24.2, 0.3' LT
2 MH COVERS-J

STA 162+40.0, 34.5' LT
1B CATCH BASINS 4-H

STA 162+50.2, 39.9' LT
1C ADJUST MH COVER

STA 162+25.0, 8.5' LT
1G CATCH BASINS 4-H

STA 162+25.0, 3.5' RT
1H CATCH BASINS 2x3-H

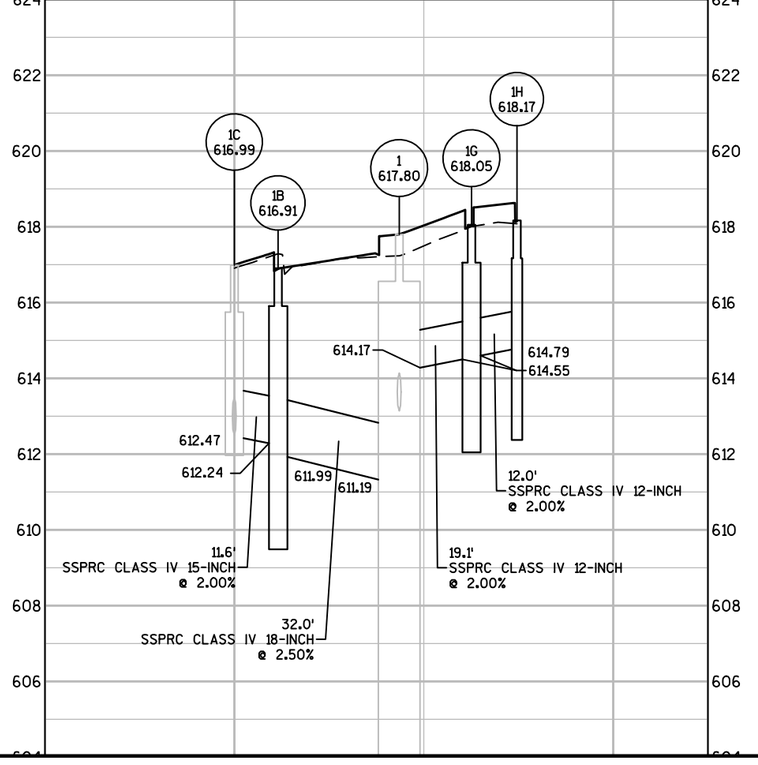
STA 162+43.2, 2.7' LT
1 MH COVERS-J

STA 162+38.8, 32.0' RT
1A ADJUST INLET COVER

20 CABLE BOX

LEGEND

- RI REMOVING INLETS
- RPXX REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
- RM REMOVING MANHOLES
- AI ABANDONING INLETS
- AM ABANDONING MANHOLES
- ASXX ABANDONING SEWER (DIAMETER AS NOTED)



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 53	E

STA 78+78.8, 27.9' LT
CATCH BASINS 2x3-H (20A)

STA 78+68.9, 26.9' LT
CATCH BASINS 2x3-H (20B)

STA 158+39.6, 45.8' RT
CATCH BASINS 4-H (19C)

STA 79+60.6, 27.9' LT
CATCH BASINS 4-H (19B)

STA 81+21.8, 37.3' LT
CATCH BASINS 4-H (24B)

STA 81+31.5, 34.7' LT
CATCH BASINS 2x3-H (24C)

STA 80+77.0, 41.4' LT
MANHOLES 4-J (24)

STA 80+74.3, 31.3' LT
CATCH BASINS 2x3-H (24A)

STA 158+62.8, 2.5' LT
MH COVERS-J (3)

STA 78+78.9, 16.7' LT
MANHOLES 4-J (20)

STA 79+57.0, 17.0' LT
MANHOLES 5-J (19)

STA 79+36.4, 41.8' RT
CATCH BASINS 2x3-H (19D)

STA 81+29.0, 37.4' RT
CATCH BASINS 2x3-H (23C)

STA 81+16.5, 38.0' RT
CATCH BASINS 4-H (23B)

STA 159+63.4, 47.9' LT
CATCH BASINS 4-H (23A)

STA 159+88.4, 96.4' LT
EXISTING INLET TO REMAIN (23D)

STA 78+70.0, 49.0' RT
CATCH BASINS 2x3-H (20D)

STA 159+98.8, 49.4' LT
MANHOLES 4-J (23)

STA 160+08.0, 54.7' LT
CATCH BASINS 4-H (23E)

STA 160+24.2, 0.3' LT
MH COVERS-J (2)

STA 78+79.9, 50.8' RT
CATCH BASINS 2x3-H (20C)

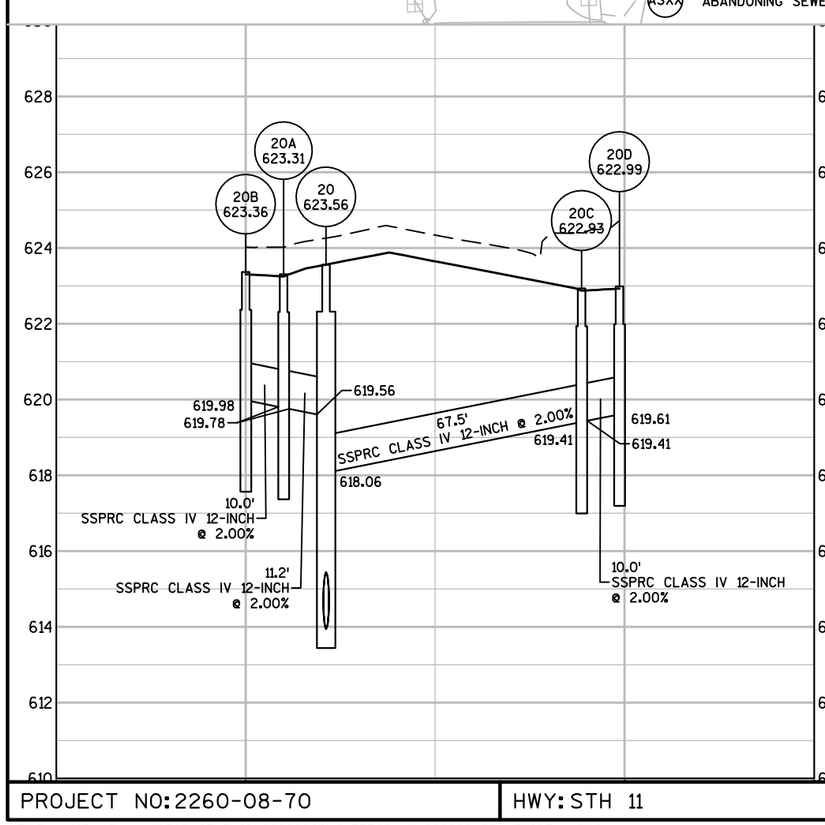
S MEMORIAL DR

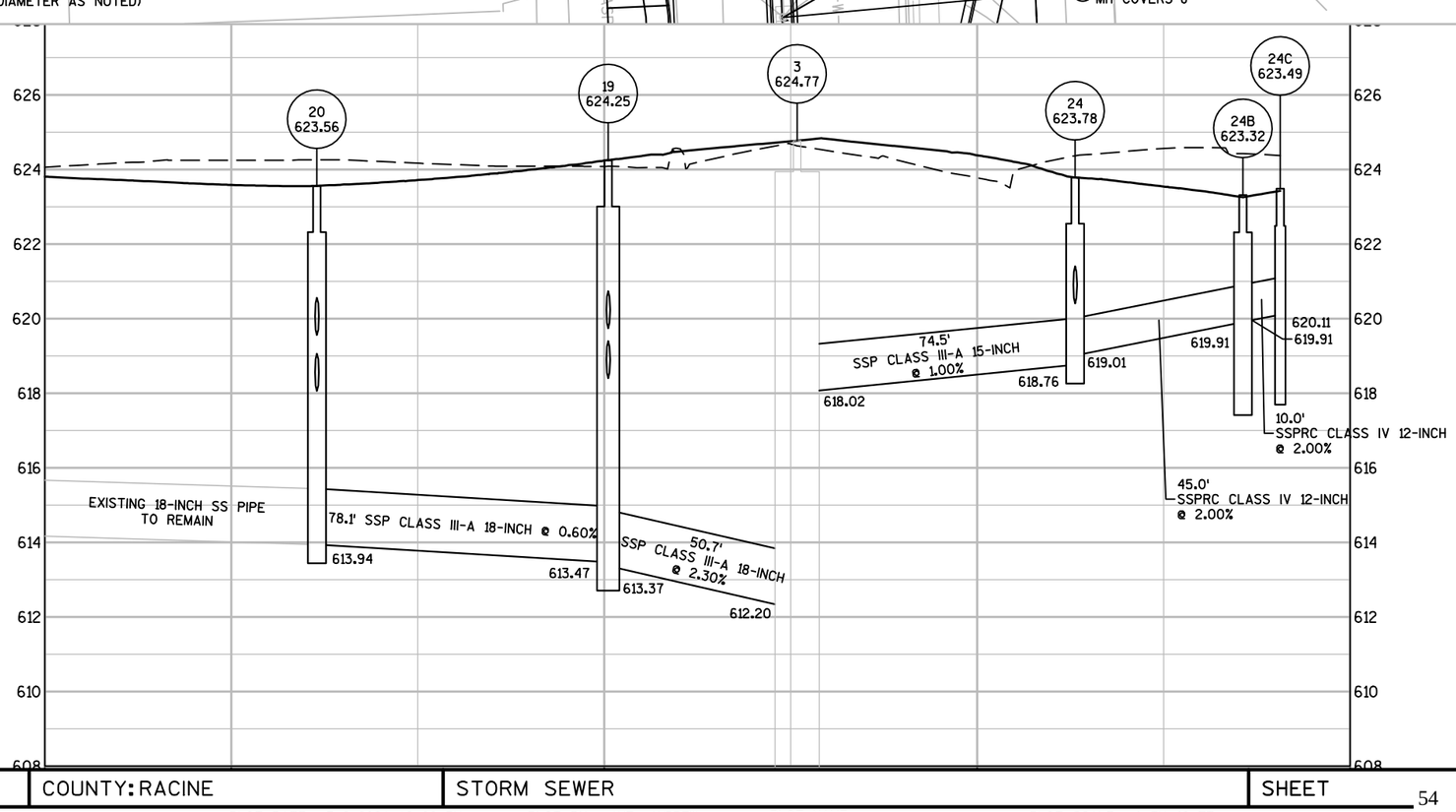
MEMORIAL DR R/L

76+00 77+00 78+00 79+00 80+00 81+00 82+00

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 54	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022502-SS-MEMORIAL.DWG
LAYOUT NAME - 022502-SS-MEMORIAL - 01
PLOT DATE : 7/9/2021 12:06 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

STA 78+78.8, 27.9' LT
CATCH BASINS 2x3-H (20A)

STA 78+68.9, 26.9' LT
CATCH BASINS 2x3-H (20B)

STA 158+39.6, 45.8' RT
CATCH BASINS 4-H (19C)

STA 79+60.6, 27.9' LT
CATCH BASINS 4-H (19B)

STA 78+78.9, 16.7' LT
MANHOLES 4-J (20)

STA 79+57.0, 17.0' LT
MANHOLES 5-J (19)

STA 79+36.4, 41.8' RT
CATCH BASINS 2x3-H (19D)

STA 78+70.0, 49.0' RT
CATCH BASINS 2x3-H (20D)

STA 78+79.9, 50.8' RT
CATCH BASINS 2x3-H (20C)

STA 158+62.8, 2.5' LT
MH COVERS-J (3)

STA 80+77.0, 41.4' LT
MANHOLES 4-J (24)

STA 81+21.8, 37.3' LT
CATCH BASINS 4-H (24B)

STA 81+31.5, 34.7' LT
CATCH BASINS 2x3-H (24C)

STA 80+74.3, 31.3' LT
CATCH BASINS 2x3-H (24A)

STA 81+29.0, 37.4' RT
CATCH BASINS 2x3-H (23C)

STA 81+16.5, 38.0' RT
CATCH BASINS 4-H (23B)

STA 159+63.4, 47.9' LT
CATCH BASINS 4-H (23A)

STA 159+88.4, 96.4' LT
EXISTING INLET TO REMAIN (23D)

STA 159+98.8, 49.4' LT
MANHOLES 4-J (23)

STA 160+08.0, 54.7' LT
CATCH BASINS 4-H (23E)

STA 160+24.2, 0.3' LT
MH COVERS-J (2)

S MEMORIAL DR

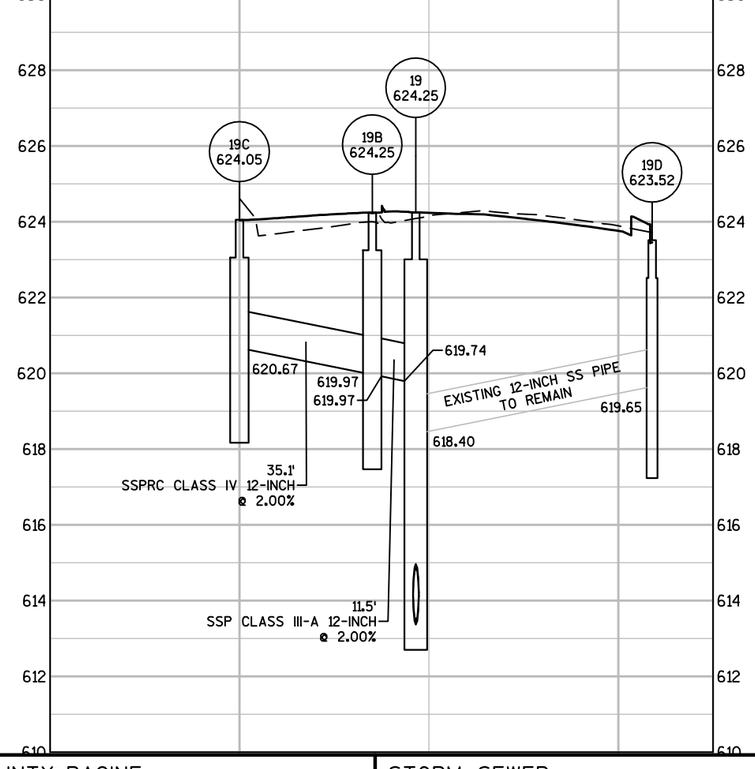
MEMORIAL DR R/L

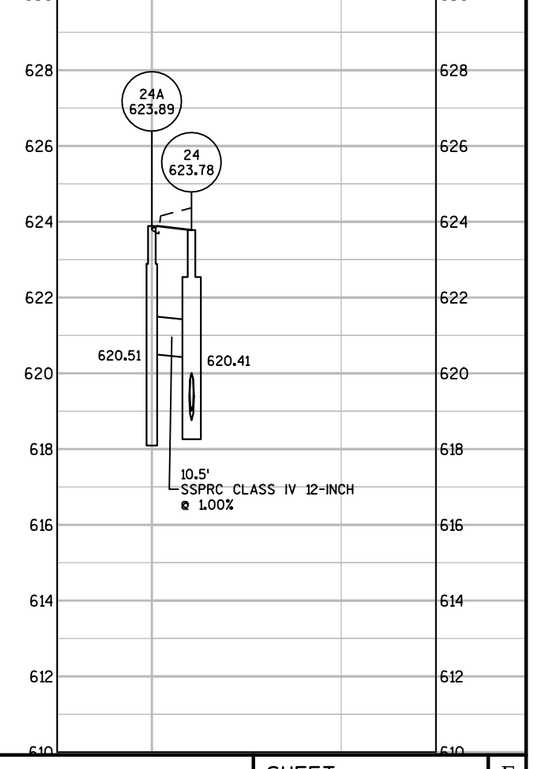
76+00 77+00 78+00 79+00 80+00 81+00 82+00

160+00

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 55	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\022502-SS-MEMORIAL.DWG
LAYOUT NAME - 022502-SS-MEMORIAL - 01A
PLOT DATE : 7/9/2021 12:07 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 41

STA 78+78.8, 27.9' LT
CATCH BASINS 2x3-H (20A)

STA 78+68.9, 26.9' LT
CATCH BASINS 2x3-H (20B)

STA 158+39.6, 45.8' RT
CATCH BASINS 4-H (19C)

STA 79+60.6, 27.9' LT
CATCH BASINS 4-H (19B)

STA 81+21.8, 37.3' LT
CATCH BASINS 4-H (24B)

STA 81+31.5, 34.7' LT
CATCH BASINS 2x3-H (24C)

STA 80+77.0, 41.4' LT
MANHOLES 4-J (24)

STA 80+74.3, 31.3' LT
CATCH BASINS 2x3-H (24A)

STA 158+62.8, 2.5' LT
MH COVERS-J (3)

STA 78+78.9, 16.7' LT
MANHOLES 4-J (20)

STA 79+57.0, 17.0' LT
MANHOLES 5-J (19)

RP18

76+00 77+00 78+00 79+00 80+00 81+00 82+00

S MEMORIAL DR

MEMORIAL DR R/L

AS12

AI

STA 79+36.4, 41.8' RT
CATCH BASINS 2x3-H (19D)

STA 81+29.0, 37.4' RT
CATCH BASINS 2x3-H (23C)

STA 81+16.5, 38.0' RT
CATCH BASINS 4-H (23B)

STA 159+63.4, 47.9' LT
CATCH BASINS 4-H (23A)

STA 159+88.4, 96.4' LT
EXISTING INLET TO REMAIN (23D)

STA 159+98.8, 49.4' LT
MANHOLES 4-J (23)

STA 160+08.0, 54.7' LT
CATCH BASINS 4-H (23E)

STA 160+24.2, 0.3' LT
MH COVERS-J (2)

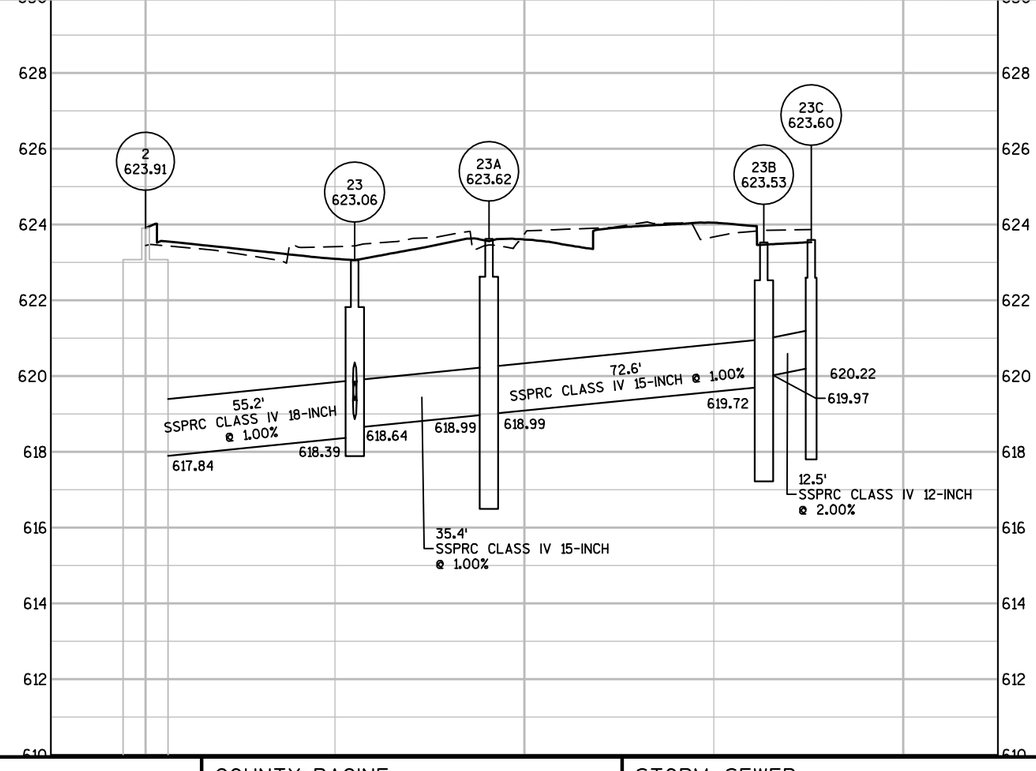
STA 78+70.0, 49.0' RT
CATCH BASINS 2x3-H (20D)

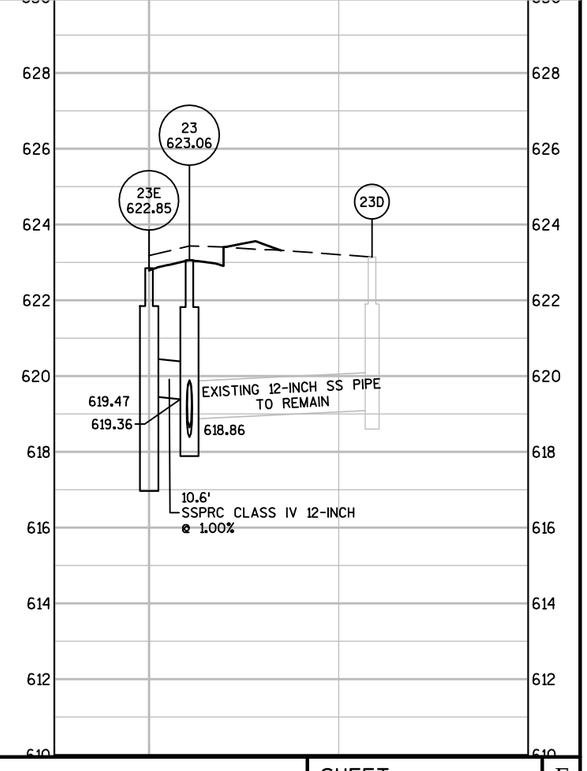
STA 78+79.9, 50.8' RT
CATCH BASINS 2x3-H (20C)

LEGEND

RI	REMOVING INLETS
RPXX	REMOVING STORM SEWER PIPE (DIAMETER AS NOTED)
RM	REMOVING MANHOLES
AI	ABANDONING INLETS
AM	ABANDONING MANHOLES
ASXX	ABANDONING SEWER (DIAMETER AS NOTED)

N





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	STORM SEWER	SHEET 56	E

UTILITY (FACILITY)	SYMBOL/COLOR CODE	ID
AT&T (COMMUNICATIONS)	T	A
CHARTER (COMMUNICATIONS)	TV	C
EVERSTREAM (COMMUNICATIONS)	FO	
WE ENERGIES (GAS)	G	G
WE ENERGIES (UG ELECTRIC)	E	E
WE ENERGIES (OH ELECTRIC)	OH	E
CITY OF RACINE (WATER)	W	W
CITY OF RACINE (SANITARY)	SAN	
NOT FIELD VERIFIED		

N

KEARNEY AVE

MADISON ST

DURAND AVE/STH 11

141+00 142+00 143+00 144+00 145+00 146

MATCHLINE STA 146+00

BEGIN PROJECT
STA. 141+03

W1 W2 W4 W5 W6 W21 W35 W44 W46 W47

E5 E7 E8 E9 E10

A5

G1 G2

SHEET 1 OF 5

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	UTILITY DETAILS	SHEET 57	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023001-UP - 01

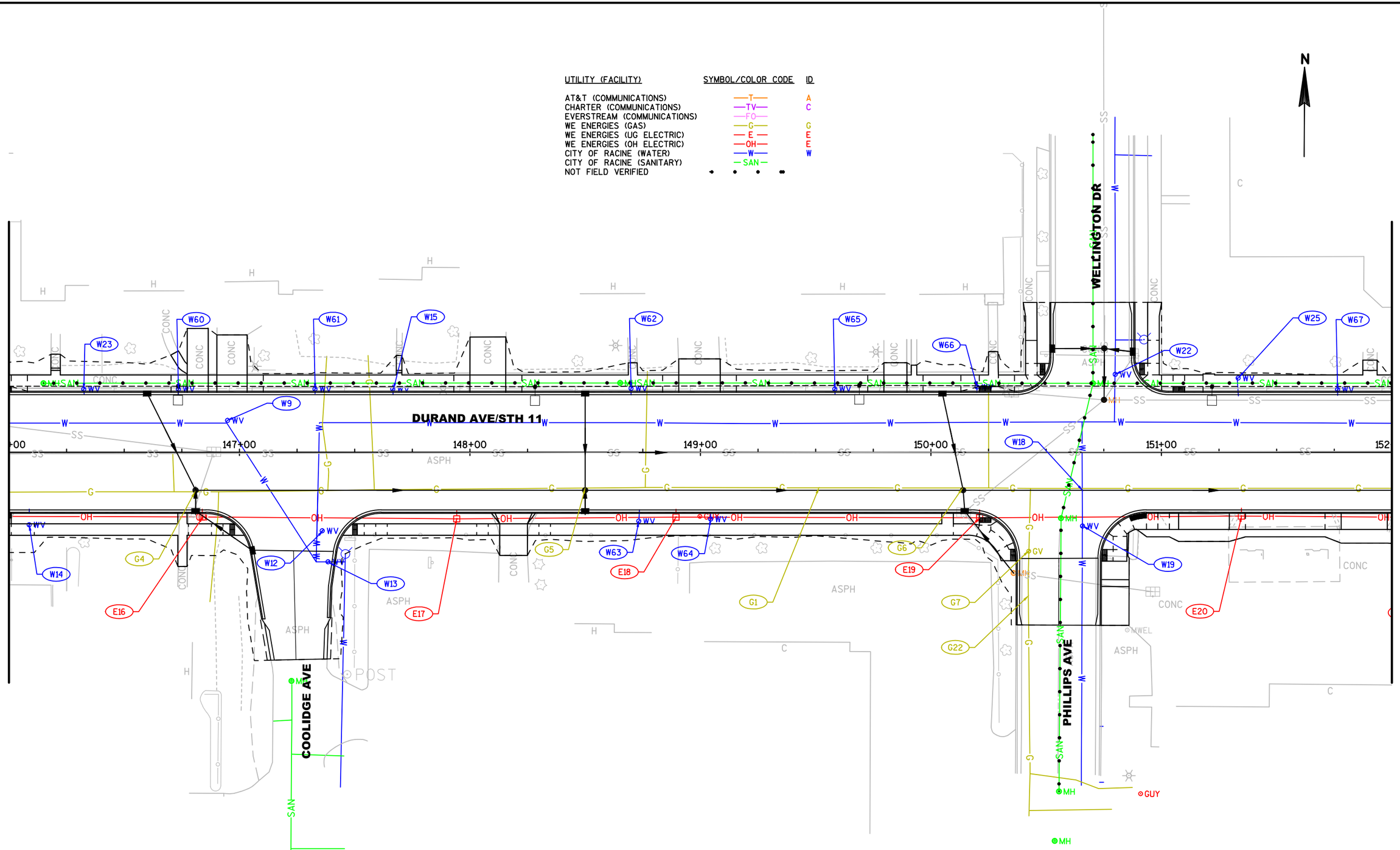
PLOT DATE : 4/27/2021 8:11 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
1	A5	VAULT	UG	142+29	31' RT	GRADING	142+29 RT BETWEEN CURB AND SIDEWALK	--	--	--	WORK AROUND RELOCATED VAULT
1	G1	GAS MAIN (10" ST)	UG	141+03 - 162+80	20' RT - 27' RT	GRADING / STORM SEWER	141+31 - 163+75, 9' RT	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
1	G2	GAS MAIN (10" ST)	UG	145+00	17' RT	STORM SEWER	145+00, 9' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
1	E5	POWER POLE	OH	145+39	42' LT	PEDESTRIAN CURB RAMP	145+37, 37' LT	--	--	--	WORK AROUND RELOCATED POWER POLE
1	E7	POWER POLE	OH	142+28	27' RT	LATERAL CLEARANCE	142+24, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
1	E8	POWER POLE	OH	143+38	28' RT	LATERAL CLEARANCE	143+33, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
1	E9	POWER POLE	OH	144+30	27' RT	LATERAL CLEARANCE	144+35, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
1	E10	POWER POLE	OH	145+57	28' RT	LATERAL CLEARANCE	145+53, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
1	W1	WATER VALVE	UG	142+03	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W2	WATER VALVE	UG	143+33	26' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W4	WATER VALVE	UG	141+06	34' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W5	WATER VALVE	UG	145+69	34' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W6	WATER HYDRANT	UG	145+82	46' LT	GRADING (7" CUT)	--	--	--	--	WORK AROUND HYDRANT
1	W21	WATER VALVE	UG	141+54	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W35	WATER VALVE	UG	142+41	35' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W44	WATER VALVE	UG	144+03	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W46	WATER VALVE	UG	144+02	32' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
1	W47	WATER VALVE	UG	144+48	26' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--

2

UTILITY (FACILITY)	SYMBOL/COLOR CODE	ID
AT&T (COMMUNICATIONS)	T	A
CHARTER (COMMUNICATIONS)	TV	C
EVERSTREAM (COMMUNICATIONS)	FO	
WE ENERGIES (GAS)	G	G
WE ENERGIES (UG ELECTRIC)	E	E
WE ENERGIES (OH ELECTRIC)	OH	E
CITY OF RACINE (WATER)	W	W
CITY OF RACINE (SANITARY)	SAN	
NOT FIELD VERIFIED		



SHEET 2 OF 5

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	UTILITY DETAILS	SHEET 59	E

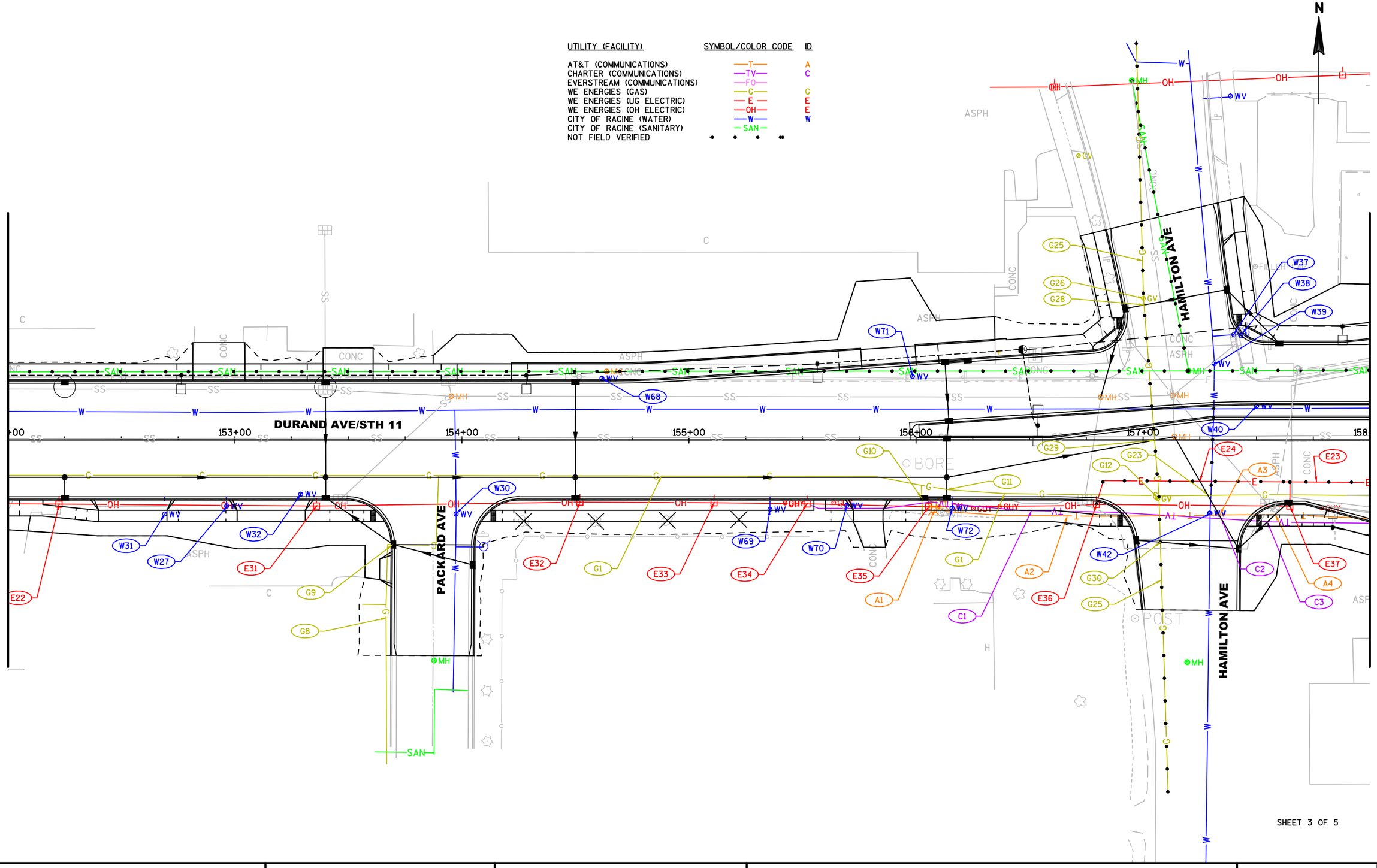
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\023001-UP.DWG
LAYOUT NAME - 023001-UP - 02

PLOT DATE : 4/27/2021 8:11 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
2	G1	GAS MAIN (10" ST)	UG	141+03 - 162+80	20' RT - 27' RT	GRADING / STORM SEWER	141+31 - 163+7S, 9' RT	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
2	G4	GAS MAIN (10" ST)	UG	146+81	17' RT	STORM SEWER	146+81, 9' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
2	GS	GAS MAIN (10" ST)	UG	148+S0	16' RT	STORM SEWER	148+S0, 9' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
2	G6	GAS MAIN (10" ST)	UG	1S0+14	1S' RT	STORM SEWER	1S0+14, 9' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
2	G7	GAS VALVE	UG	1S0+43	43' RT	GRADING	1S0+29, RT (OUTSIDE OF GRADING LIMITS)	--	YES	--	EXISTING TO BE DISCONTINUED.
2	G22	GAS MAIN (4" ST)	UG	1S0+43	16' RT - 7S' RT	GRADING	1S0+29, 9' RT - 82' RT	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
2	E16	POWER POLE	OH	146+84	28' RT	LATERAL CLEARANCE / STORM SEWER	146+79, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
2	E17	POWER POLE	OH	147+94	29' RT	GRADING (S" CUT)	--	--	--	--	WORK AROUND POWER POLE
2	E18	POWER POLE	OH	148+89	28' RT	GRADING (NO GRADE CHANGE)	148+8S, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
2	E19	POWER POLE	OH	1S0+21	28' RT	PEDESTRIAN CURB RAMP	1S0+12, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
2	E20	POWER POLE	OH	1S1+3S	28' RT	LATERAL CLEARANCE	1S1+39, 29' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
2	W9	WATER VALVE	UG	146+9S	14' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W12	WATER VALVE	UG	147+36	34' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W13	WATER VALVE	UG	147+39	47' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W14	WATER VALVE	UG	146+09	31' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W1S	WATER VALVE	UG	147+67	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W18	WATER MAIN (6")	UG	1S0+66	16' RT	STORM SEWER	--	ADJUSTED IN PLACE	--	--	CONTACT CITY OF RACINE WATER UTILITY AT LEAST 3 WORKING DAYS PRIOR TO STORM SEWER WORK AT THIS LOCATION.
2	W19	WATER VALVE	UG	1S0+66	32' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W22	WATER VALVE	UG	1S0+80	34' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W23	WATER VALVE	UG	146+33	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W2S	WATER VALVE	UG	1S1+33	32' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W60	WATER VALVE	UG	146+74	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W61	WATER VALVE	UG	147+33	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W62	WATER VALVE	UG	148+70	28' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W63	WATER VALVE	UG	148+73	30' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W64	WATER VALVE	UG	149+04	29' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W6S	WATER VALVE	UG	149+S8	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W66	WATER VALVE	UG	1S0+20	28' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
2	W67	WATER VALVE	UG	1S1+76	27' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--

UTILITY (FACILITY)	SYMBOL/COLOR CODE	ID
AT&T (COMMUNICATIONS)	T	A
CHARTER (COMMUNICATIONS)	TV	C
EVERSTREAM (COMMUNICATIONS)	FO	
WE ENERGIES (GAS)	G	G
WE ENERGIES (UG ELECTRIC)	E	E
WE ENERGIES (OH ELECTRIC)	OH	E
CITY OF RACINE (WATER)	W	W
CITY OF RACINE (SANITARY)	SAN	
NOT FIELD VERIFIED		



PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	UTILITY DETAILS	SHEET 61	E

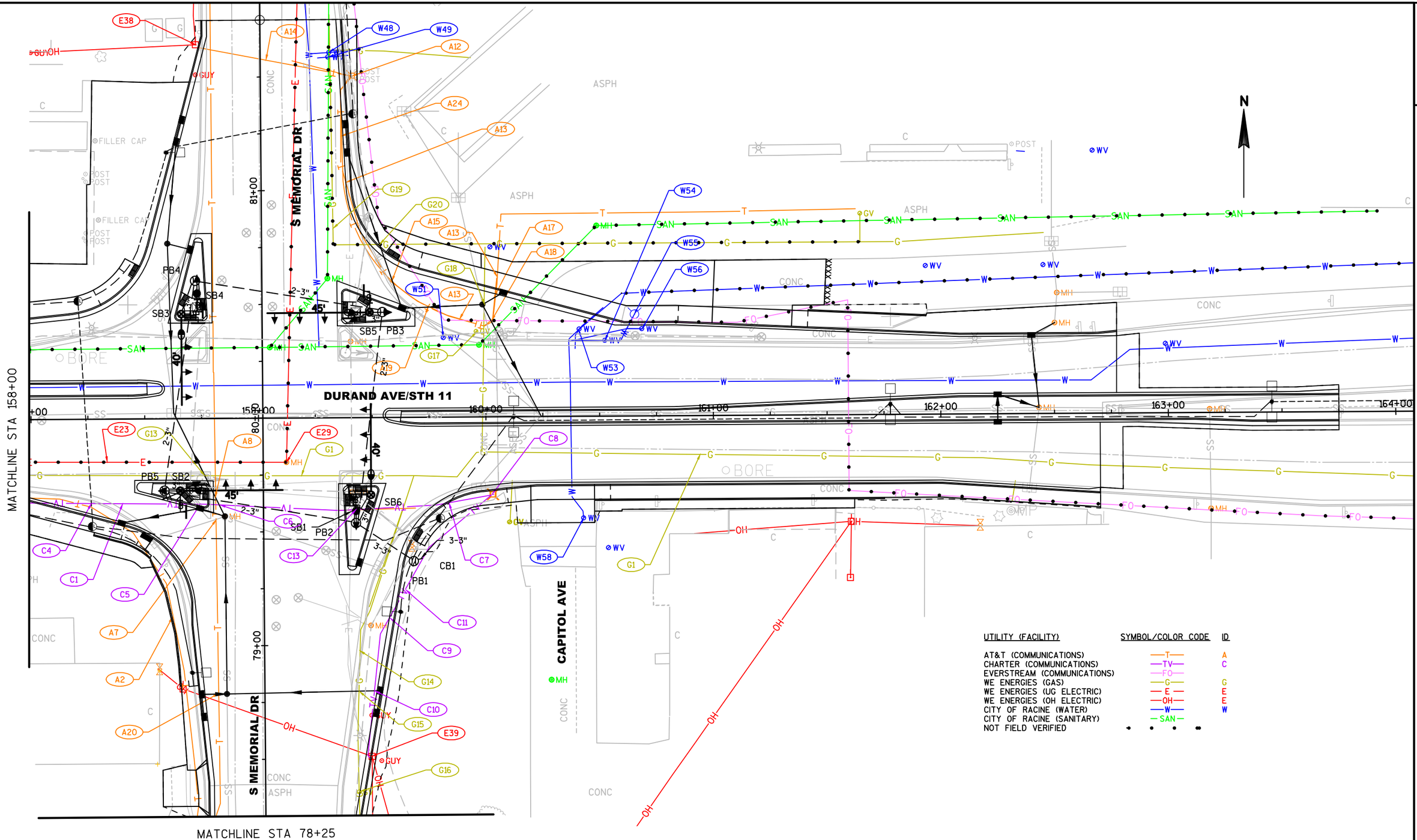
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LAYOUT NAME - 023001-UP - 03

PLOT DATE : 4/27/2021 8:11 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
3	A1	VAULT	UG	156+10	30' RT	GRADING (9" CUT)	156+10 RT BETWEEN CURB AND SIDEWALK	--	--	--	WORK AROUND RELOCATED VAULT
3	A2	COMMUNICATIONS LINE	UG	156+10 - 158+68	20' RT - 207' RT	GRADING	156+10 - 156+90 RT THEN SOUTH ALONG HAMILTON AVE	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	A3	COMMUNICATIONS LINE	UG	157+34	33' RT	STORM SEWER	156+10 - 156+90 RT THEN SOUTH ALONG HAMILTON AVE	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	A4	COMMUNICATIONS LINE	UG	157+58	32' RT	STORM SEWER	156+10 - 156+90 RT THEN SOUTH ALONG HAMILTON AVE	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	C1	COMMUNICATIONS LINE	UG	155+54 - 160+03	29' RT - 34' RT	GRADING	155+54 - 159+60, 35' RT - 75' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	C2	COMMUNICATIONS LINE	UG	157+35	34' RT	STORM SEWER	157+35, 35' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	C3	COMMUNICATIONS LINE	UG	157+55	36' RT	STORM SEWER	157+55, 35' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	G1	GAS MAIN (10" ST)	UG	141+03 - 162+80	20' RT - 27' RT	GRADING / STORM SEWER	141+31 - 163+75, 9' RT	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G8	GAS MAIN (2" ST)	UG	153+66 - 153+90	16' RT - 95' RT	GRADING	153+63, 9' RT - 93' RT	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G9	GAS MAIN (2" ST)	UG	153+69	46' RT	STORM SEWER	153+63, 46' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G10	GAS LATERAL	UG	156+02	25' RT	STORM SEWER	SEE ADDITIONAL INFORMATION	--	YES	--	NEW 1" PE GAS SERVICE TO BE INSTALLED. NEW SERVICE WILL BE INSTALLED TO AVOID CATCH BASIN. CONTACT DIGGER'S HOTLINE TO VERIFY SERVICE LOCATION. EXISTING TO BE DISCONTINUED.
3	G11	GAS MAIN (10" ST)	UG	156+13	21' RT	STORM SEWER	156+13, 9' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G12	GAS VALVE	UG	157+06	26' RT	GRADING	156+18, RT (OUTSIDE OF GRADING LIMITS)	--	YES	--	EXISTING TO BE DISCONTINUED.
3	G23	GAS MAIN (10" ST)	UG	157+29	24' RT	STORM SEWER	157+29, 9' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G25	GAS MAIN (2" ST)	UG	156+99 - 157+09	96' LT - 75' RT	GRADING	156+88, 89' RT - 90' LT	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G26	GAS VALVE	UG	157+00	62' LT	GRADING	156+83, 73' LT	--	YES	--	EXISTING TO BE DISCONTINUED.
3	G28	GAS MAIN (2" ST)	UG	157+00	59' LT	STORM SEWER	156+88, 40' LT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G29	GAS MAIN (2" ST)	UG	157+05	0'	STORM SEWER	156+83, 5' RT (ABOVE PROPOSED STORM SEWER)	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
3	G30	GAS MAIN (2" ST)	UG	157+08	45' RT	STORM SEWER	156+88, 4' RT - 88' RT	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
3	E22	POWER POLE	OH	152+22	28'RT	LATERAL CLEARANCE / STORM SEWER	152+31, 29'RT	--	--	--	WORK AROUND RELOCATED POWER POLE
3	E23	ELECTRIC CONDUIT	UG	156+79 - 159+12	18'RT	GRADING	156+50 - 159+12, 16' - 19'RT	--	YES	--	NEW CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	E24	ELECTRIC CONDUIT	UG	157+25	18'RT	STORM SEWER	157+25, 17'RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
3	E31	POWER POLE	OH	153+36	29'RT	GRADING (NO GRADE CHANGE)	--	--	--	--	WORK AROUND POWER POLE
3	E32	POWER POLE	OH	154+52	27'RT	LATERAL CLEARANCE	154+56, 29'RT	--	--	--	WORK AROUND RELOCATED POWER POLE
3	E33	POWER POLE	OH	155+11	28'RT	GRADING (8" CUT)	REMOVED	--	--	--	--
3	E34	POWER POLE	OH	155+52	28'RT	GRADING (7" CUT)	155+48, 29'RT	--	--	--	WORK AROUND RELOCATED POWER POLE
3	E35	POWER POLE	OH	156+06	29'RT	GRADING (11" CUT)	--	--	--	--	WORK AROUND POWER POLE
3	E36	POWER POLE	OH	156+79	28'RT	LATERAL CLEARANCE	156+34, 29.5'RT	--	--	--	WORK AROUND RELOCATED POWER POLE
3	E37	POWER POLE	OH	157+65	29'RT	LATERAL CLEARANCE / STORM SEWER	156+71, 30.5'RT	--	--	--	WORK AROUND RELOCATED POWER POLE
3	W27	WATER VALVE	UG	152+96	29'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W30	WATER VALVE	UG	153+97	33'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W31	WATER VALVE	UG	152+69	33'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W32	WATER VALVE	UG	153+29	24'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W37	WATER VALVE	UG	157+40	46'LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W38	WATER HYDRANT	UG	157+44	47'LT	CURB & GUTTER	30' NORTH OF EXISTING LOCATION	--	--	--	--
3	W39	WATER VALVE	UG	157+31	33'LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W40	WATER VALVE	UG	157+50	15'LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W42	WATER VALVE	UG	157+30	32'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W68	WATER VALVE	UG	154+62	27'LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W69	WATER VALVE	UG	155+36	31'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W70	WATER VALVE	UG	155+70	29'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W71	WATER VALVE	UG	155+98	28'LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
3	W72	WATER VALVE	UG	156+16	30'RT	GRADING	--	ADJUSTED IN PLACE	--	--	--

2



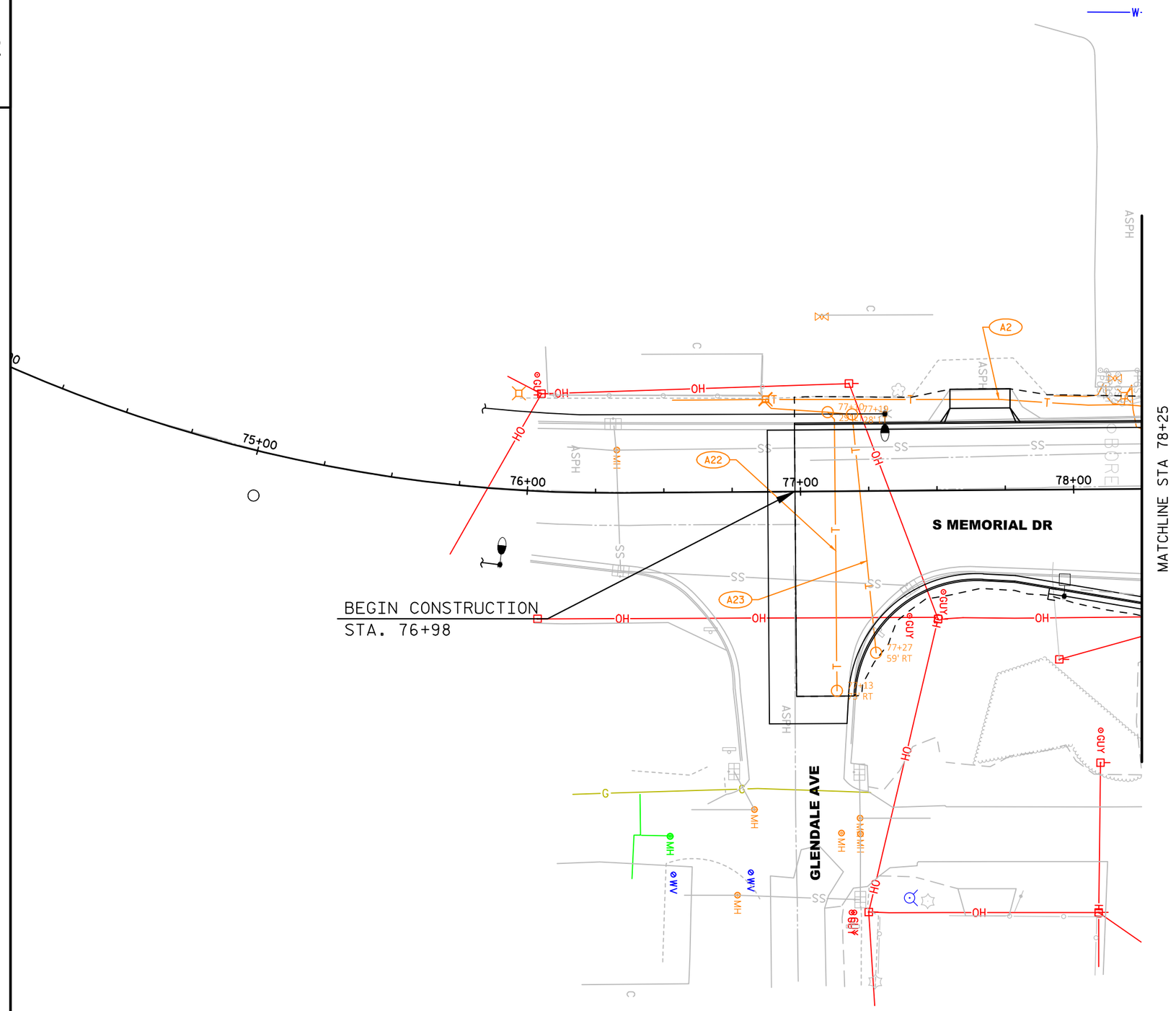
SHEET 4 OF 5

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	UTILITY DETAILS	SHEET 64	E

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
4	A2	COMMUNICATIONS LINE	UG	1S6+10 - 1S8+68	20' RT - 302' RT	GRADING	1S6+10 - 1S6+90 RT THEN SOUTH ALONG HAMILTON AVE	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	A7	COMMUNICATIONS LINE	UG	1S8+81	44' RT	STORM SEWER	ADJUSTED IN PLACE	--	--	--	--
4	A8	COMMUNICATIONS LINE	UG	1S8+80	3S' RT	STORM SEWER	ADJUSTED IN PLACE	--	--	--	--
4	A12	PEDESTAL	UG	81+S0	40' RT	GRADING (1" CUT)	REMOVED	--	--	--	--
	A13	COMMUNICATIONS LINE	UG	80+40 - 81+S0 160+00 - 160+0S	40' RT - 90' RT 40' LT - 70' LT	GRADING	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	A14	COMMUNICATIONS LINE	UG	81+S0 - 81+63	26' LT - 40' RT	GRADING	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	A1S	COMMUNICATIONS LINE	UG	1S9+S9	60' LT	STORM SEWER	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	A17	COMMUNICATIONS LINE	UG	160+04	S3' LT	STORM SEWER	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	A18	COMMUNICATIONS LINE	UG	160+03	42' LT	STORM SEWER	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	A19	COMMUNICATIONS LINE	UG	1S9+7S	48' LT	STORM SEWER	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	A20	COMMUNICATIONS LINE	UG	78+79	20' LT	STORM SEWER	ADJUSTED IN PLACE	--	--	--	--
4	A24	COMMUNICATIONS LINE	UG	81+23	36' RT	LIGHTING CONDUIT / STORM SEWER	OVERHEAD	--	YES	--	NEW OVERHEAD FACILITIES INSTALLED NORTH OF THE PROJECT LIMITS. EXISTING TO BE DISCONTINUED.
4	C1	COMMUNICATIONS LINE	UG	1SS+S4 - 160+03	29' RT - 34' RT	GRADING	1SS+S4 - 1S9+60, 3S' RT - 7S' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C4	COMMUNICATIONS LINE	UG	1S8+26	37' RT	LIGHTING CONDUIT	1S8+26, 49' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	CS	COMMUNICATIONS LINE	UG	1S8+74	38' RT	STORM SEWER	1S8+74, S8' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C6	COMMUNICATIONS LINE	UG	1S8+83	38' RT	STORM SEWER	1S8+83, 60' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C7	COMMUNICATIONS LINE	UG	1S9+84	38' RT	LIGHTING CONDUIT	78+S1 - 79+2S, 47' RT - 60' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C8	PEDESTAL	UG	160+03	34' RT	SIDEWALK	REMOVED	--	--	--	--
4	C9	COMMUNICATIONS LINE	UG	78+S1 - 79+6S	47' RT - 100' RT	GRADING	78+S1 - 79+2S, 47' RT - 60' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C10	COMMUNICATIONS LINE	UG	78+80	48' RT	STORM SEWER	78+S1 - 79+2S, 47' RT - 60' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C11	COMMUNICATIONS LINE	UG	79+24	62' RT	LIGHTING CONDUIT	78+S1 - 79+2S, 47' RT - 60' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	C13	COMMUNICATIONS LINE	UG	1S9+43	40' RT	TRAFFIC SIGNAL BASE	1S9+43, 72' RT	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
4	G1	GAS MAIN (10" ST)	UG	141+03 - 162+80	20' RT - 27' RT	GRADING / STORM SEWER	141+31 - 163+75, 9' RT	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
4	G13	GAS MAIN (10" ST)	UG	158+76	25' RT	STORM SEWER	158+76, 9' RT (ABOVE PROPOSED STORM SEWER)	--	YES	--	NEW 12" ST GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
4	G14	GAS MAIN (4" PE)	UG	78+25 - 79+74	41' RT - 66' RT	GRADING	--	--	YES	--	EXISTING TO BE DISCONTINUED.
4	G15	GAS MAIN (4" PE)	UG	78+80	41' RT	STORM SEWER	--	--	YES	--	EXISTING TO BE DISCONTINUED.
4	G16	GAS VALVE	UG	78+35	41' RT	GRADING	--	--	YES	--	EXISTING TO BE DISCONTINUED.
4	G17	GAS VALVE	UG	159+96	38' LT	GRADING	160+40, 54' LT	--	YES	--	EXISTING TO BE DISCONTINUED.
4	G18	GAS MAIN	UG	160+00	49' LT	STORM SEWER	160+40, 49' LT	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
4	G19	GAS MAIN (2" ST)	UG	80+76 - 81+75	30' RT - 80' RT	GRADING	80+85 - 81+75, 34' RT	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
4	G20	GAS MAIN (2" ST)	UG	80+76	52' RT	STORM SEWER	80+85, 50' RT (BELOW PROPOSED STORM SEWER)	--	YES	--	NEW 2" PE GAS MAIN TO BE INSTALLED. EXISTING TO BE DISCONTINUED.
4	E23	ELECTRIC CONDUIT	UG	156+79 - 159+12	18' RT	GRADING	156+50 - 159+12, 16' - 19' RT	--	YES	--	NEW CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
4	E29	VAULT	UG	159+12	19' RT	GRADING (2" FILL)	--	ADJUSTED IN PLACE	--	--	CONTACT WE ENERGIES ELECTRIC AT LEAST 14 CALENDAR DAYS PRIOR TO FINAL PAVING AT THIS LOCATION
4	E38	POWER POLE	OH	81+64	28' LT	LATERAL CLEARANCE	81+64, 33' LT	--	--	--	--
4	E39	POWER POLE	OH	78+51	47' RT	CURB & GUTTER	78+51, 52' RT	--	--	--	WORK AROUND RELOCATED POWER POLE
4	W48	WATER VALVE	UG	81+61	30' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
4	W49	WATER VALVE	UG	81+59	30' RT	GRADING	--	ADJUSTED IN PLACE	--	--	--
4	W51	WATER VALVE	UG	159+81	35' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
4	W53	WATER VALVE	UG	160+41	38' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
4	W54	WATER VALVE	UG	160+52	33' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
4	W55	WATER HYDRANT	UG	160+65	45' LT	SIDEWALK	REMOVED	--	--	--	--
4	W56	WATER VALVE	UG	160+69	38' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--
4	W58	WATER VALVE	UG	160+43	45' LT	GRADING	--	ADJUSTED IN PLACE	--	--	--

2



UTILITY (FACILITY)	SYMBOL/COLOR CODE	ID
AT&T (COMMUNICATIONS)	T	A
CHARTER (COMMUNICATIONS)	TV	C
EVERSTREAM (COMMUNICATIONS)	FO	
WE ENERGIES (GAS)	G	G
WE ENERGIES (UG ELECTRIC)	E	E
WE ENERGIES (OH ELECTRIC)	OH	E
CITY OF RACINE (WATER)	W	W
CITY OF RACINE (SANITARY)	SAN	
NOT FIELD VERIFIED		

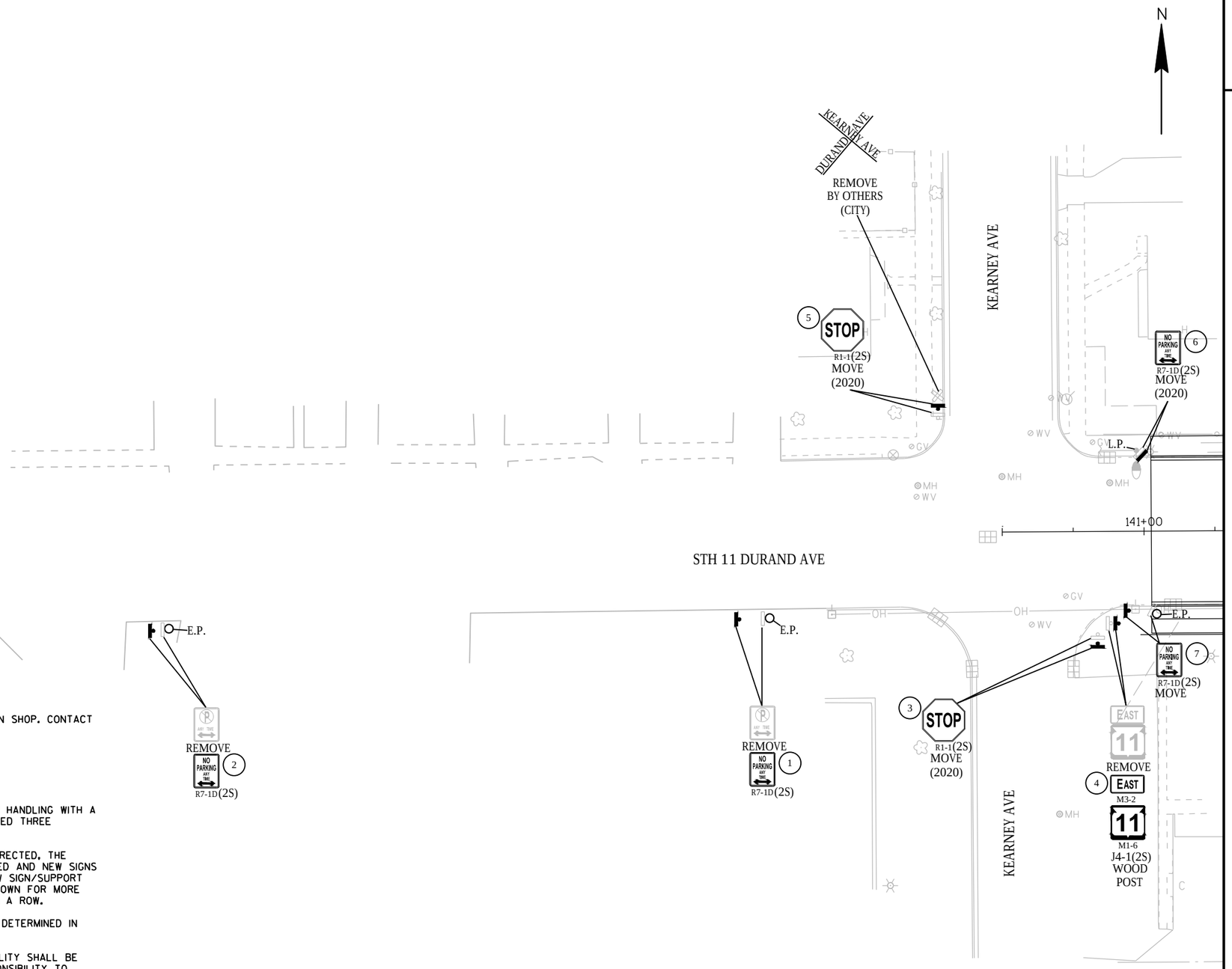
SHEET 5 OF 5

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	UTILITY DETAILS	SHEET 67	E

EXISTING UTILITY FACILITIES							RESOLUTION				
UTILITY DETAIL SHEET	POTENTIAL UTILITY CONFLICTS						RELOCATION		DISCONTINUED		ADDITIONAL INFORMATION
	CONFLICT ID	FACILITY TYPE	LOCATION	EXISTING FACILITIES (STA)	OFFSET (LT/RT)	IN CONFLICT WITH:	PRIOR TO CONSTRUCTION (STA/OFFSET/LOCATION)	DURING CONSTRUCTION (STA/OFFSET)	IN-PLACE (YES/NO)	HAZ MAT (YES/NO)	
5	A2	COMMUNICATIONS LINE	UG	156+10 - 158+68	20' RT - 302' RT	GRADING	156+10 - 1S6+90 RT THEN SOUTH ALONG HAMILTON AVE	--	YES	--	NEW FIBER CONDUIT INSTALLED. EXISTING TO BE DISCONTINUED.
5	A22	COMMUNICATIONS LINE	UG	77+12	29' LT - 73' RT	GRADING	ADJUSTED IN PLACE	--	--	--	--
S	A23	COMMUNICATIONS LINE	UG	77+23	28' LT - 59' RT	GRADING	ADJUSTED IN PLACE	--	--	--	--

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
- EXISTING LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- S.P. SIGNAL POLE
- L.P. LIGHT POLE
- E.P. ELECTRICAL WOOD POLE
- ( ) YEAR OF SIGN (DATE STICKER)



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.

BOX OUT OR CORING OF CONCRETE FOR SIGN POSTS IS INCIDENTAL TO THE POST.

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 69	E

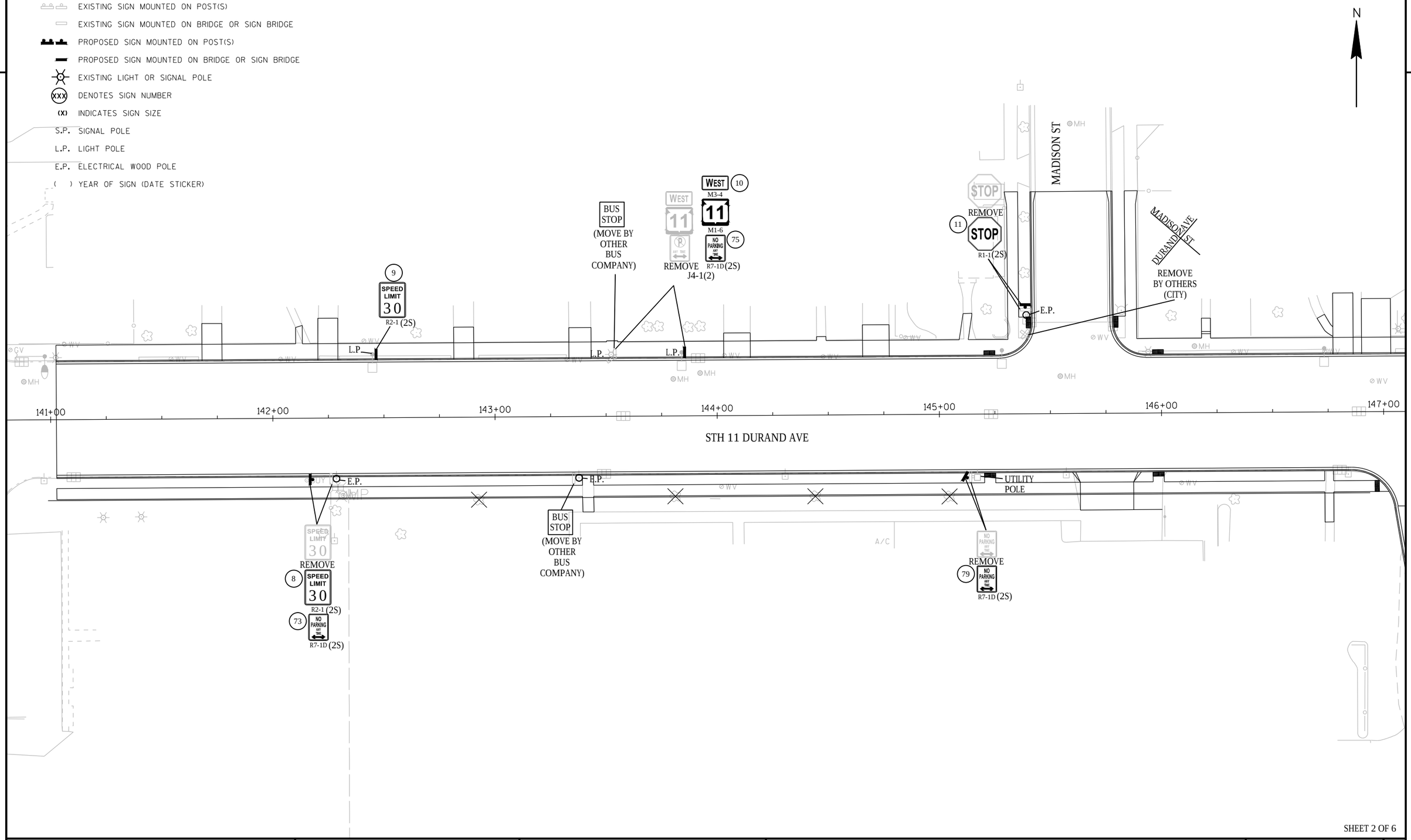
FILE NAME : N:\PDS\C3D\CAD\22600800\SIGN\023201_16_PS.DWG
LAYOUT NAME - 023201_PS

PLOT DATE : 3/15/2021 8:19 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 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
- EXISTING LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- S.P. SIGNAL POLE
- L.P. LIGHT POLE
- E.P. ELECTRICAL WOOD POLE
- ( ) YEAR OF SIGN (DATE STICKER)



SHEET 2 OF 6

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 70	E

FILE NAME : N:\PDS\C3D\CAD\22600800\SIGN\023201_16_PS.DWG
LAYOUT NAME - 023202_PS

PLOT DATE : 3/15/2021 8:19 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

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
- EXISTING LIGHT OR SIGNAL POLE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- S.P. SIGNAL POLE
- L.P. LIGHT POLE
- E.P. ELECTRICAL WOOD POLE
- ( ) YEAR OF SIGN (DATE STICKER)

N

REMOVE
NO PARKING ANY TIME
R7-1D (2S)
16

L.P.

L.P.

REMOVE
NO PARKING ANY TIME
R7-1D (2S)
77
L.P.

WELLINGTON AVE
DURAND AVE
WELLINGTON DR
REMOVE BY OTHERS (CITY)

REMOVE
STOP
R1-1 (2S)
17

WELLINGTON DR

BUS STOP
(MOVE BY OTHER BUS COMPANY)

147+00 148+00 149+00 150+00 151+00 152+00 153+

STH 11 DURAND AVE

STOP
REMOVE
STOP
R1-1 (2S)
12

COOLIDGE AVE
DURAND AVE
REMOVE BY OTHERS (CITY)

LITTER
CITY SIGN MOVE BY OTHERS (CITY)

E.P.

SPEED LIMIT 30
REMOVE

SPEED LIMIT 30
R2-1 (2S)
13

REMOVE
NO PARKING ANY TIME
R7-1D (2S)
76

BUS STOP
(MOVE BY OTHER BUS COMPANY)

PHILLIPS AVE
DURAND AVE
MOVE BY OTHERS (CITY)

E.P.

STOP
REMOVE
STOP
R1-1 (2S)
14

PHILLIPS AVE

E.P.

REMOVE
NO PARKING ANY TIME
R7-1D (2S)
15

COOLIDGE AVE

SHEET 3 OF 6

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 71	E

FILE NAME : N:\PDS\C3D\CAD\22600800\SIGN\023201_16_PS.DWG
LAYOUT NAME - 023203_PS

PLOT DATE : 3/15/2021 8:19 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

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
- EXISTING LIGHT OR SIGNAL POLE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- S.P. SIGNAL POLE
- L.P. LIGHT POLE
- E.P. ELECTRICAL WOOD POLE
- ( ) YEAR OF SIGN (DATE STICKER)

N

STH 11 DURAND AVE

153+00 154+00 155+00 156+00 157+00 158+00 159+0

HAMILTON AVE

PACKARD AVE

S MEMORIAL DR

43 WEST M3-4 / 11 M1-6 J4-1(2S)

42 REMOVE NO PARKING ANY TIME R7-1D(2S)

39 SPEED LIMIT 30 R2-1(2S)

41 W5-54(2S)

40 R4-7(2S)

BUS STOP (MOVE BY OTHER BUS COMPANY)

80 W6-2(2S) BOX OUT CONCRETE

HAMILTON AVE / DURAND AVE

REMOVE BY OTHERS (CITY)

38 REMOVE STOP R1-1(2S)

36 S MEMORIAL DR REMOVE

S MEMORIAL DR M1-94H MOUNT ON SIGNAL ARM

37 DO NOT ENTER R5-1(2S)

35 REMOVE STOP R1-1(2S)

30 W12-1D(2S) 2' MOUNTING HEIGHT

34 STOP R1-1F(2S) MOUNT ON SIGNAL POLE

84 DIVIDED HIGHWAY R6-3(2S)

83 ONE WAY R6-2L(2S)

28 ONE WAY R6-2R(2S)

85 86 R9-3A(2S) 85A 86A R9-3BL(2S)

29 W12-1D(2S) 2' MOUNTING HEIGHT

31 32 STOP R1-1F(2S)

33 R4-7(2S)

82 DO NOT ENTER R5-1(2S)

45'

40'

74 W6-1(2S)

BUS STOP (MOVE BY OTHER BUS COMPANY)

REMOVE NO PARKING ANY TIME R7-1D(2S) 20

END 11 JCT 32 REMOVE

PACKARD AVE / DURAND AVE

18 REMOVE STOP R1-1(2S)

REMOVE BY OTHERS (CITY)

STEEL POST E.P. E.P.

22 DO NOT ENTER R5-1(2S)

21 BEGIN LEFT TURN LANE R3-20L(2S) L.P.

23 W6-2(2S) L.P.

24 ONE WAY R6-2R(2S)

25 REMOVE STOP R1-1(2S)

HAMILTON AVE / DURAND AVE

REMOVE BY OTHERS (CITY)

26 REMOVE STOP R1-1(2S)

27 DURAND AVE REMOVE

11 DURAND AVE M1-94S

SHEET 4 OF 6

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 72	E

FILE NAME : N:\PDS\C3D\CAD\22600800\SIGN\023201_16_PS.DWG
LAYOUT NAME - 023204_PS

PLOT DATE : 3/16/2021 8:48 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 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
- EXISTING LIGHT OR SIGNAL POLE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- S.P. SIGNAL POLE
- L.P. LIGHT POLE
- E.P. ELECTRICAL WOOD POLE
- ( ) YEAR OF SIGN (DATE STICKER)

N

S MEMORIAL DR

64 DURAND AVE REMOVE
11 DURAND AVE M1-94S
MOUNT ON SIGNAL ARM

63 STOP REMOVE
STOP R1-1(2S)

STOP R1-1 ESTR PRIVATE PROPERTY SIGN

DO NOT ENTER 56 R5-1

BUS STOP (MOVE BY OTHER BUS COMPANY)

57 58 59 NO PARKING ANY TIME REMOVE
R7-1D(2S)

DO NOT ENTER REMOVE PART OF # 56

ONLY ONLY REMOVE 55
ONLY ONLY ONLY R3-8LLR (2S)

CORE CONCRETE FOR POST BOX OUT

BOX OUT CONCRETE INCIDENTAL

70 R4-7(2S)

STOP 71 72 R1-1F (2S)

ONE WAY 60 61 R6-2R(2S)

159+00 160+00 161+00 162+00 163+00 164+00

81 BOX OUT CONCRETE
ONE WAY R6-2L (2S) S.P.

BOX OUT CONCRETE

STH 11 DURAND AVE

NORTH M3-1
32 M1-6B
M5-1L ESTR

44 STOP R1-1F (2S)
MOUNT ON SIGNAL POLE

87 DIVIDED HIGHWAY R6-3 (2S) S.P.

45 46 W12-1D (2S) 2' HEIGHT

STOP REMOVE
47 STOP R1-1(2S)

48 S MEMORIAL DR REMOVE
S MEMORIAL DR M1-94H
MOUNT ON SIGNAL ARM

19 END M4-6
11 M1-6
JCT M2-1
32 M1-6B
JV1-1(2) WOOD POST

STOP REMOVE
49 STOP R1-1(2S)

STREET NAME SIGN BY OTHERS (CITY)

NORTH 32 USE LEFT LANE
SOUTH 32 USE RIGHT LANE
REMOVE

50 NORTH M3-1 32 M1-6B USE LEFT LANE M4-20L (2)
SOUTH M3-3 32 M1-6B USE RIGHT LANE M4-20R (2)
WOOD POST J2-2(2S)

51 DO NOT ENTER R5-1 (2S) L.P.

78 BEGIN LEFT TURN LANE R3-20L(2S) ON L.P.

52 WRONG WAY REMOVE

54 53 REMOVE

RIGHT TURN LANE ESTR

SOUTH M3-3 32 M1-6B M5-1R ESTR

SHEET 5 OF 6

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 73	E

FILE NAME : N:\PDS\C3D\CAD\22600800\SIGN\023201_16_PS.DWG
LAYOUT NAME - 023205_PS

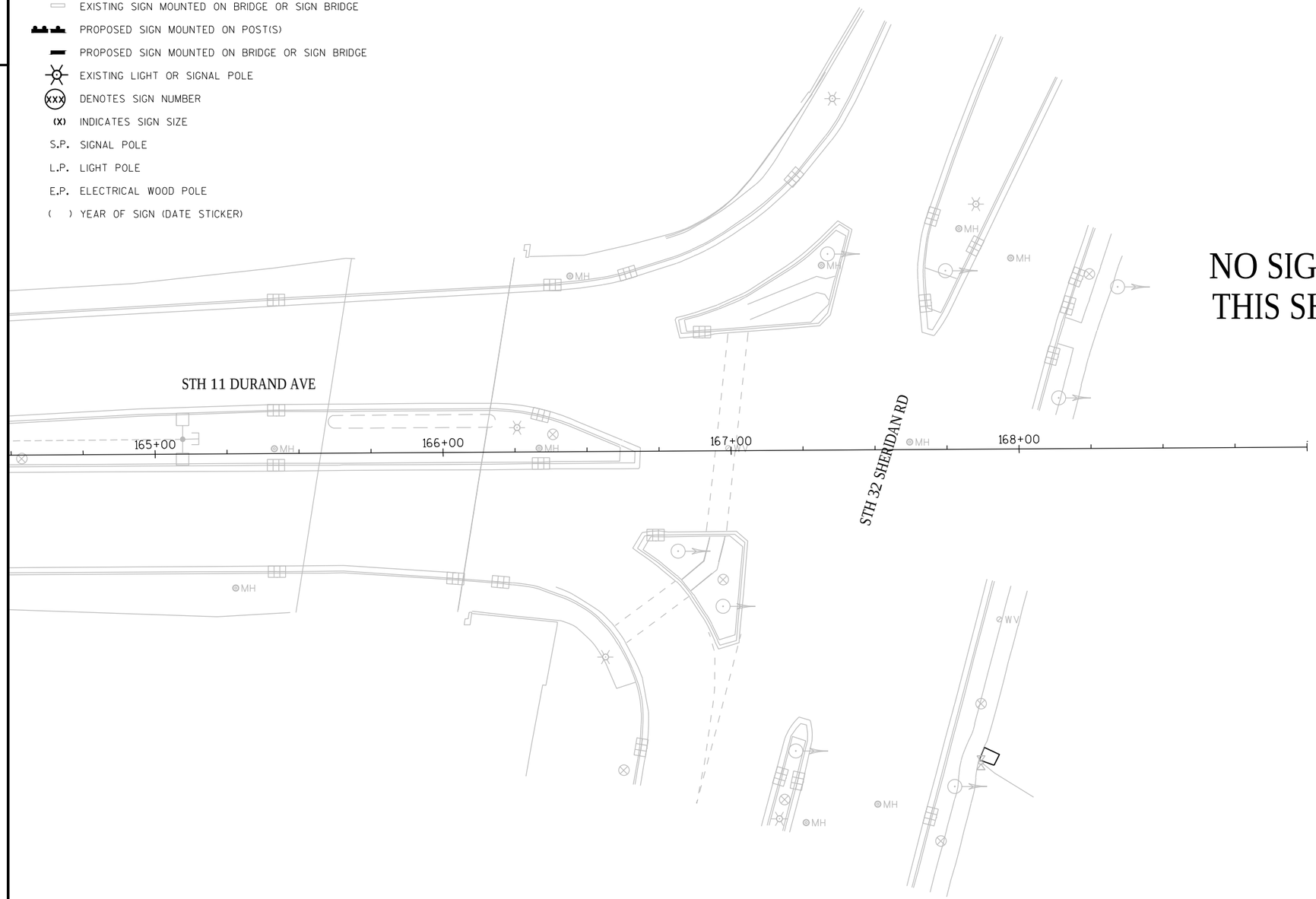
PLOT DATE : 3/15/2021 8:19 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

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
- EXISTING LIGHT OR SIGNAL POLE
- XXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- S.P. SIGNAL POLE
- L.P. LIGHT POLE
- E.P. ELECTRICAL WOOD POLE
- ( ) YEAR OF SIGN (DATE STICKER)



2

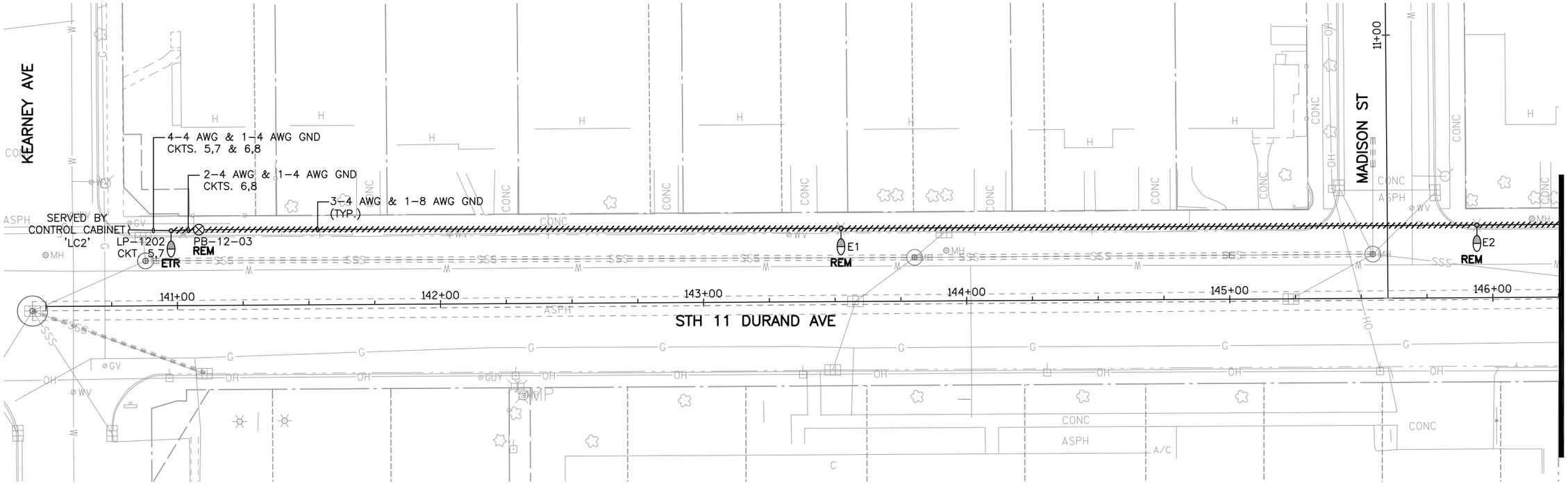
SHEET 6 OF 6

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING PLAN	SHEET 74	E

FILE NAME : N:\PDS\C3D\CAD\22600800\SIGN\023201_16_PS.DWG
LAYOUT NAME - 023206_PS

PLOT DATE : 3/15/2021 8:19 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

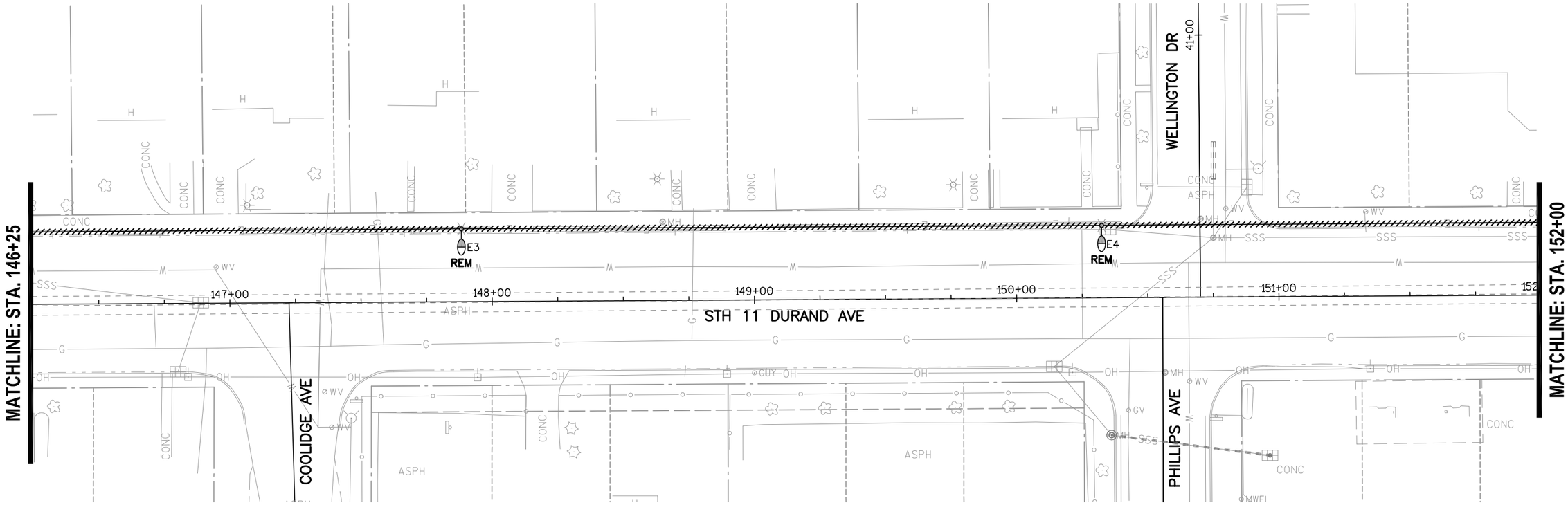


LEGEND:

⊙—○	EXISTING STANDARD LIGHTING UNIT
⊗	EXISTING METAL PULL BOX
———	EXISTING UNDERGROUND CONDUCTORS
//////////	EXISTING UNDERGROUND CONDUCTORS TO BE REMOVED
ETR	EXISTING TO REMAIN
REM	EXISTING TO BE REMOVED

GENERAL NOTES:

1. EXISTING STREET LIGHTING IN PROJECT LIMITS TO BE REMOVED UNLESS NOTED. ALUMINUM LIGHT POLE SHAFTS, LUMINAIRE MAST ARMS, ALUMINUM TRANSFORMER BASES AND LED LUMINARIES TO BE SALVAGED AND TRANSPORTED TO CITY'S DPW YARD.
2. EXISTING CONDITIONS SHOWN ARE BASED ON ORIGINAL PLANS. EXACT CONDITIONS SHALL BE CONFIRMED PRIOR TO STARTING WORK.
3. REMOVE AS MUCH ABANDONED UNDERGROUND WIRING AS POSSIBLE, INCIDENTAL TO POLE REMOVALS.
2. CONTROL CABINET 'LC2' (120/240V) IS LOCATED AT NW CORNER OF DURAND AVE./ASHLAND AVE.
   CONTROL CABINET '240' (120/240V) IS LOCATED ON S. MEMORIAL DR; APPROX. 350-FT NORTHEAST OF BRENTWOOD CT.

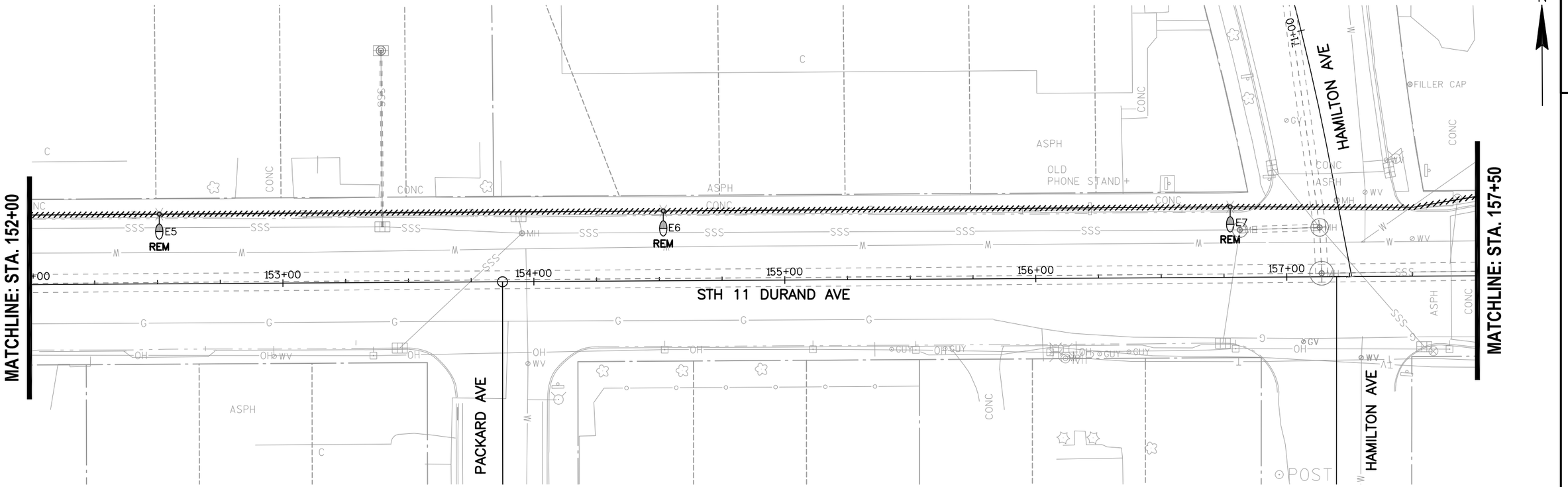


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2

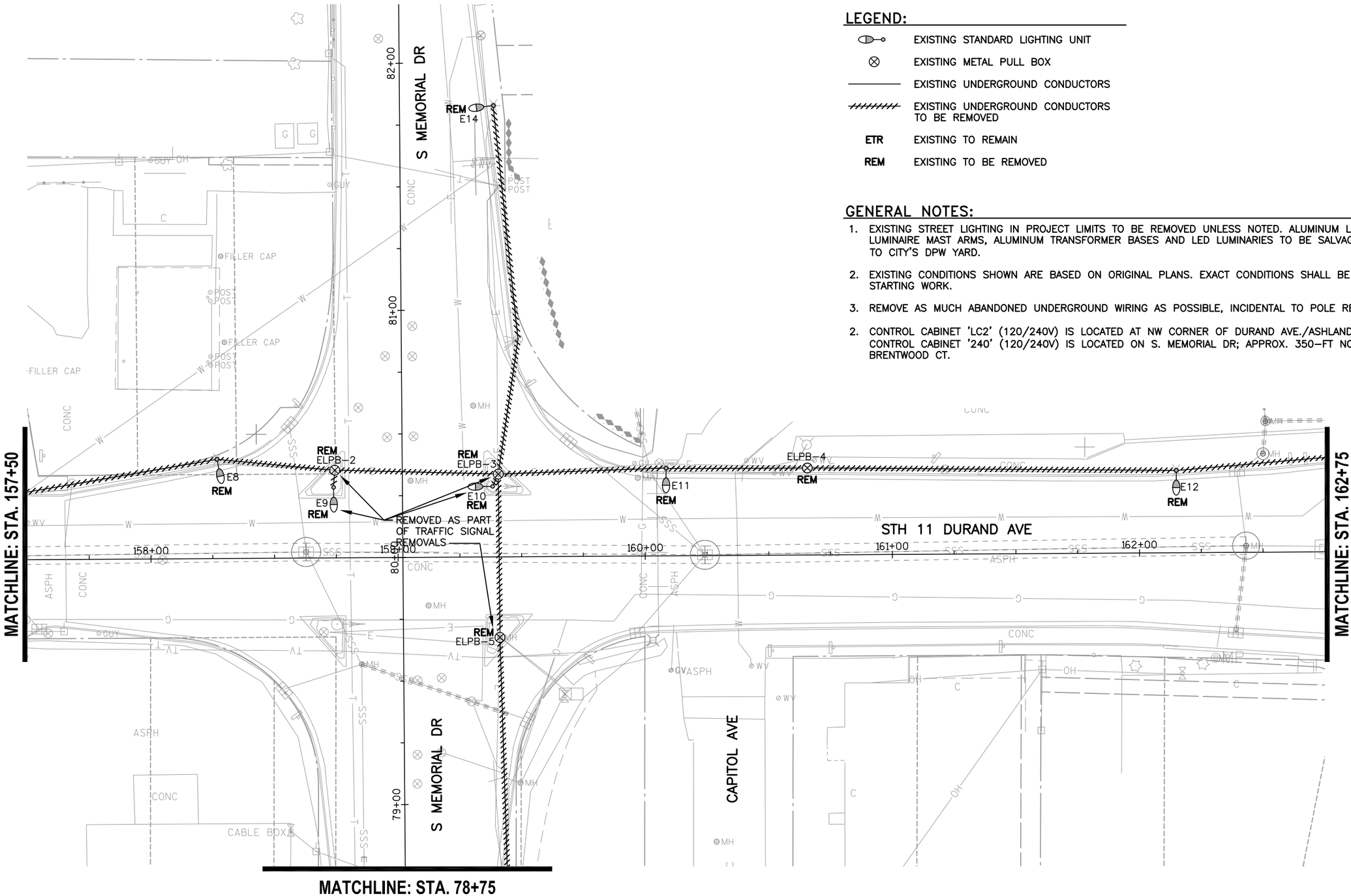
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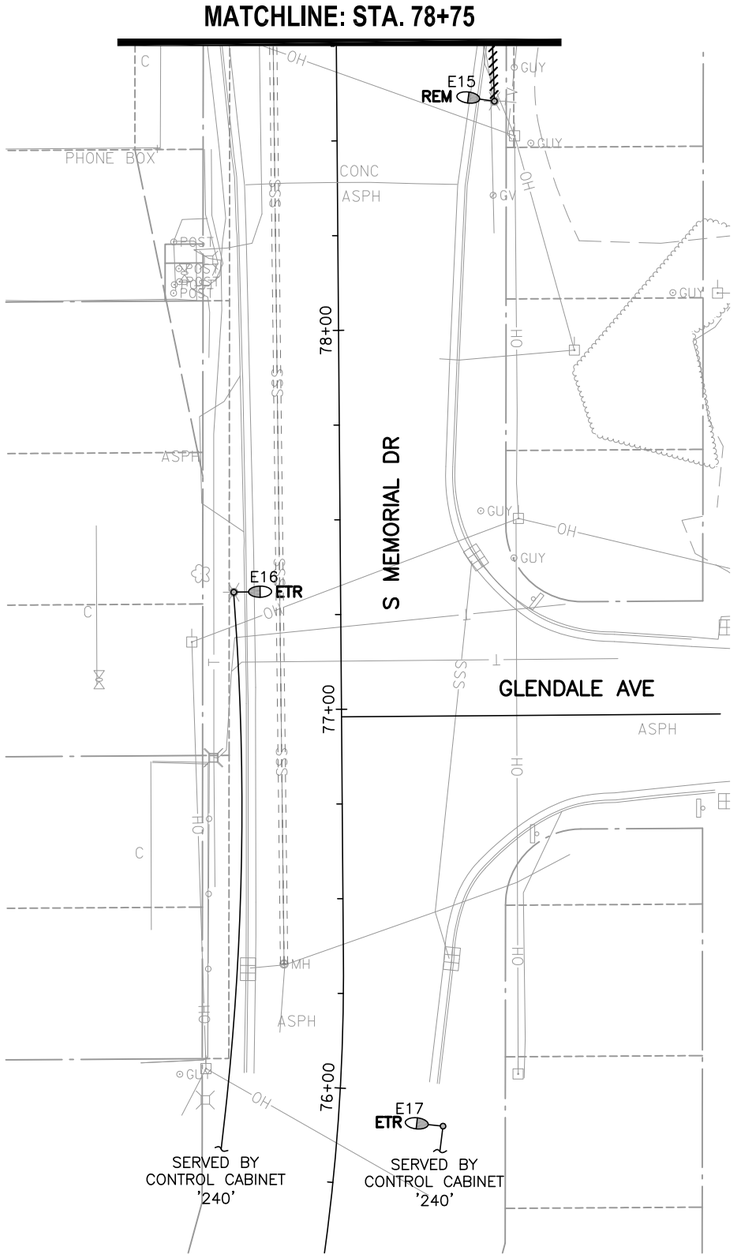
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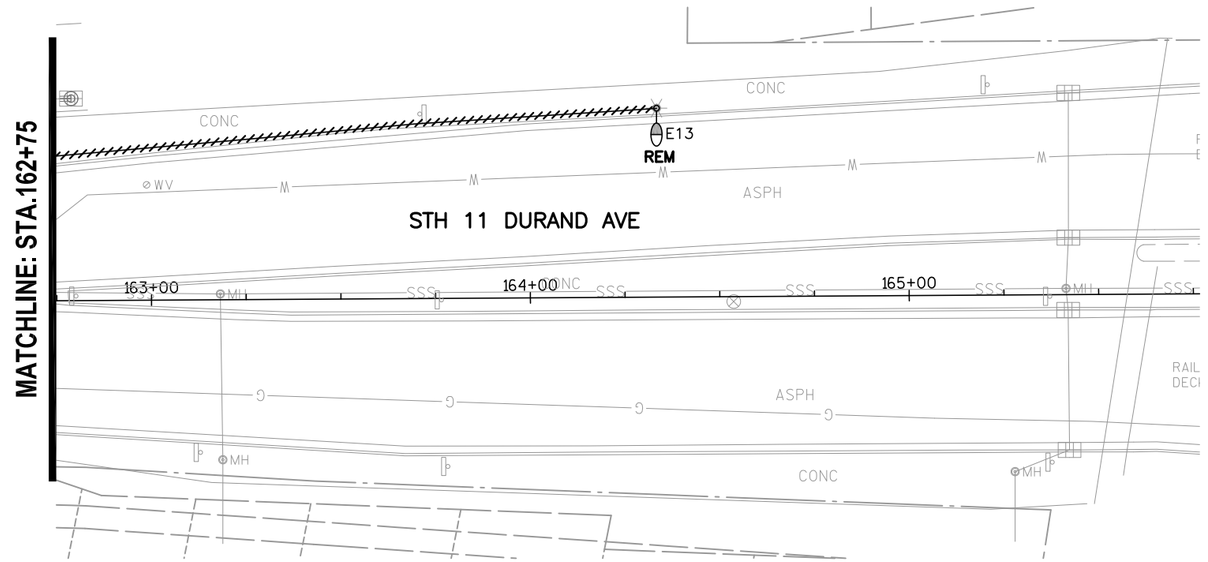
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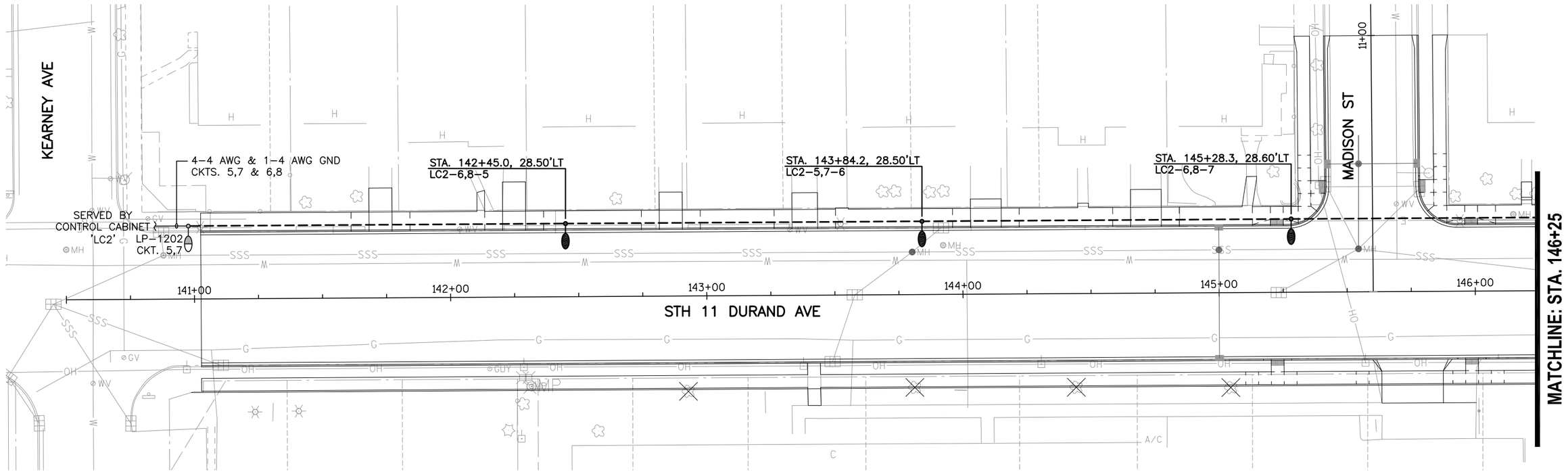
N

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LEGEND:

- STANDARD LIGHTING UNIT, SINGLE MAST ARM, LED LUMINAIRE
- STANDARD LIGHTING UNIT, TWIN MAST ARMS, LED LUMINAIRES
- LED LUMINAIRE ON TRAFFIC SIGNAL POLE – REFER TO TRAFFIC SIGNAL PLANS
- EXISTING STANDARD LIGHTING UNIT
- PULL BOX STEEL 24 X 42–INCH STEEL
- PROPOSED CONDUCTORS IN CONDUIT: 4–2 AWG & 1–2 AWG GND IN 2–INCH SCHEDULE 40 NONMETALLIC CONDUIT
- PROPOSED CONDUCTORS IN CONDUIT: 2–2 AWG & 1–2 AWG GND IN 2–INCH SCHEDULE 40 NONMETALLIC CONDUIT
- 2–INCH CONDUIT STUB–OUT CAPPED
- EXISTING CONDUCTORS

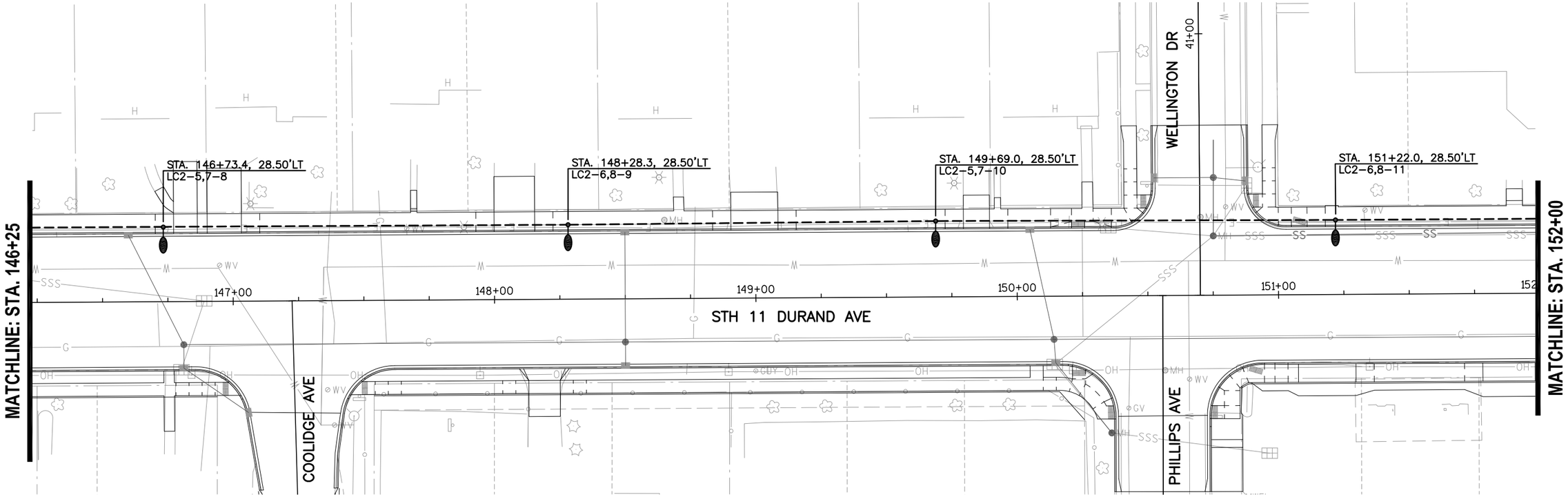
STA. 201+00.0, 20.00'RT ← STATION/OFFSET (LOCATION TO CENTER OF BASE/PULL BOX)
LC2–1,3–1 OR LPB–1
- NUMBER
- LIGHTING PULL BOX
- POLE NUMBER
- LUMINAIRE CIRCUIT NUMBER(S)
- CONTROL CABINET (SOURCE)

KEYED NOTES:

1. DIRECTIONAL BORE CONDUIT BELOW PAVEMENT.
2. NO SPLICES ALLOWED IN PULL BOX, EXCEPT FOR GROUNDING CONNECTION.

GENERAL NOTES:

1. LUMINAIRES CONNECTED AT 240V.
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3. INSTALL CONDUIT WITHIN 2–FT OF BACK OF CURB.



LEGEND:

- STANDARD LIGHTING UNIT, SINGLE MAST ARM, LED LUMINAIRE
- STANDARD LIGHTING UNIT, TWIN MAST ARMS, LED LUMINAIRES
- LED LUMINAIRE ON TRAFFIC SIGNAL POLE – REFER TO TRAFFIC SIGNAL PLANS
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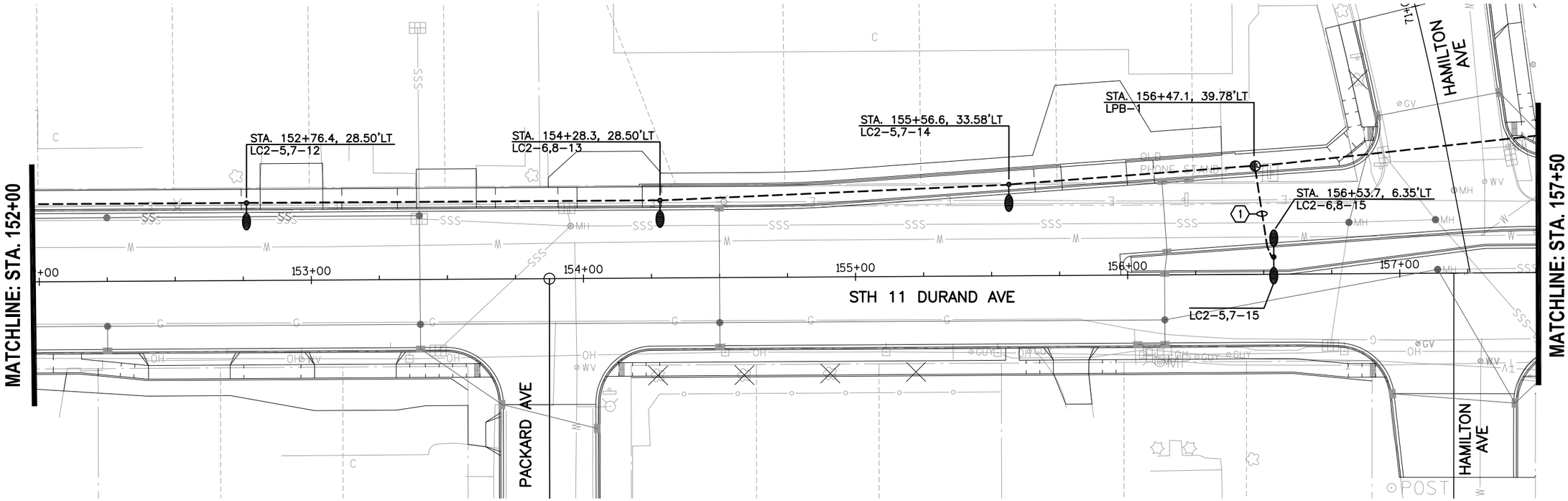
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LEGEND:

- STANDARD LIGHTING UNIT, SINGLE MAST ARM, LED LUMINAIRE
- STANDARD LIGHTING UNIT, TWIN MAST ARMS, LED LUMINAIRES
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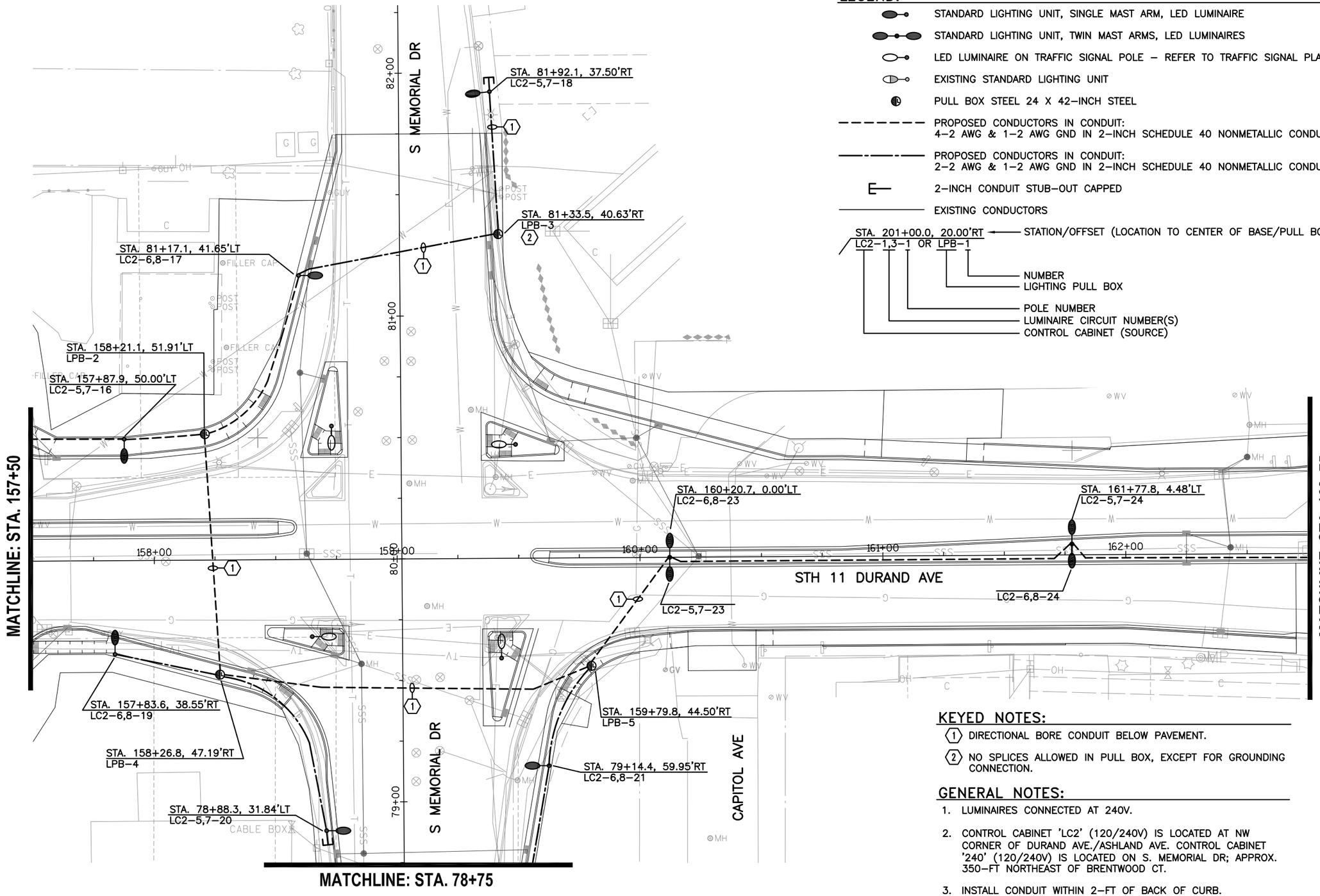
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LEGEND:

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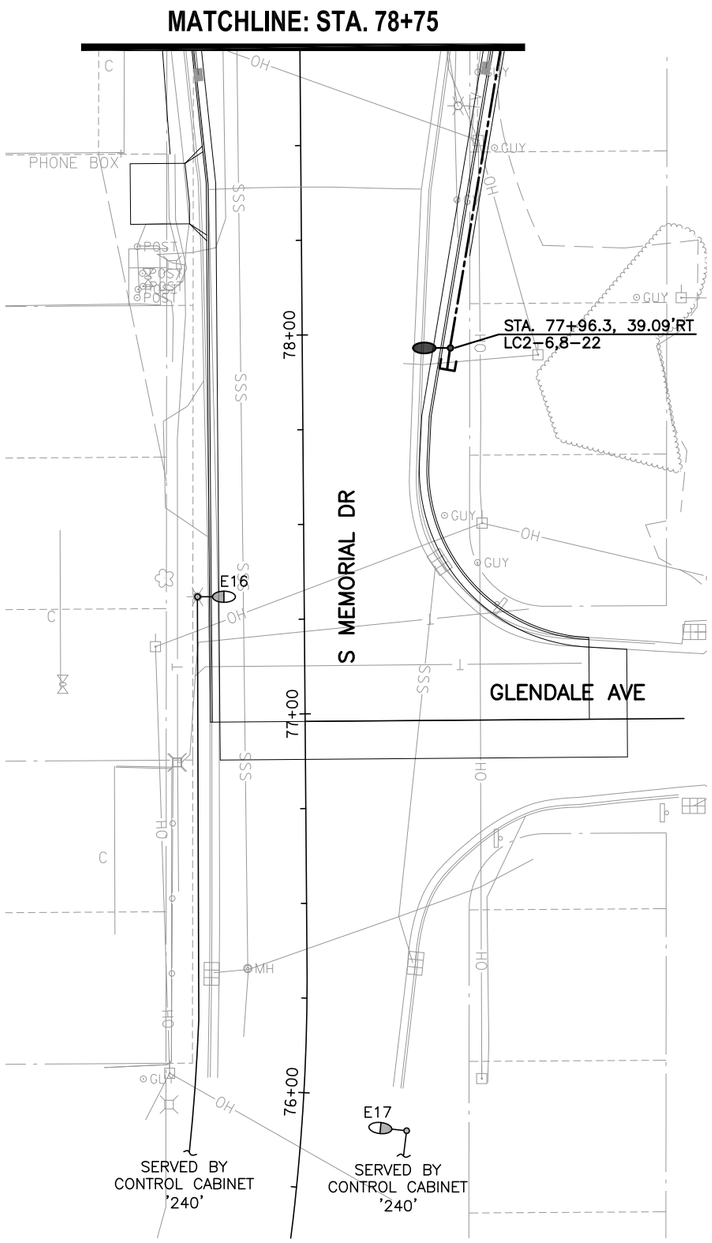
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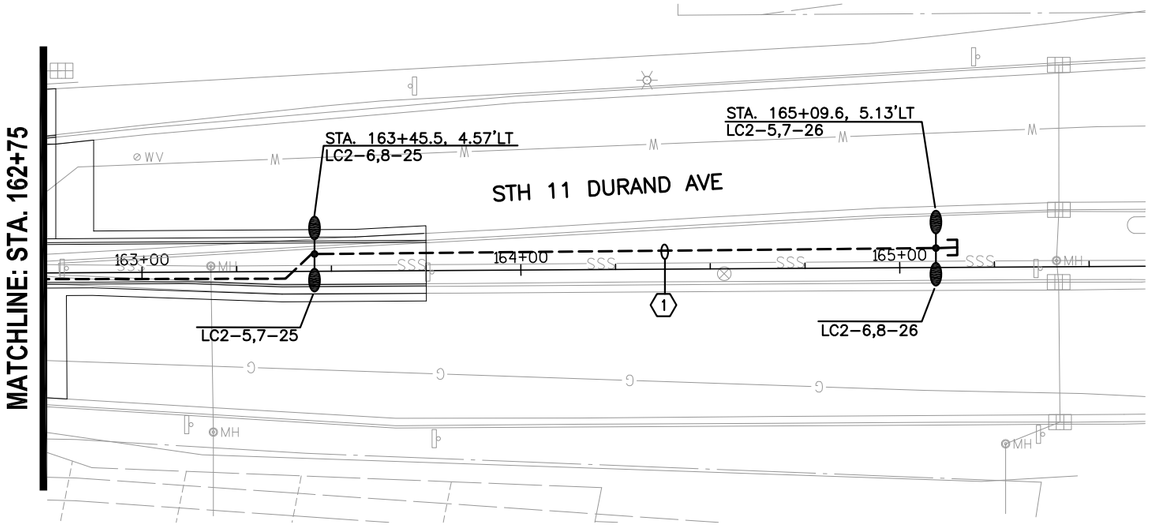
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DESIGNED BY: POWRTEK ENGINEERING, INC. SHEET 9 OF 11





N

LEGEND:

- STANDARD LIGHTING UNIT, SINGLE MAST ARM, LED LUMINAIRE
- STANDARD LIGHTING UNIT, TWIN MAST ARMS, LED LUMINAIRES
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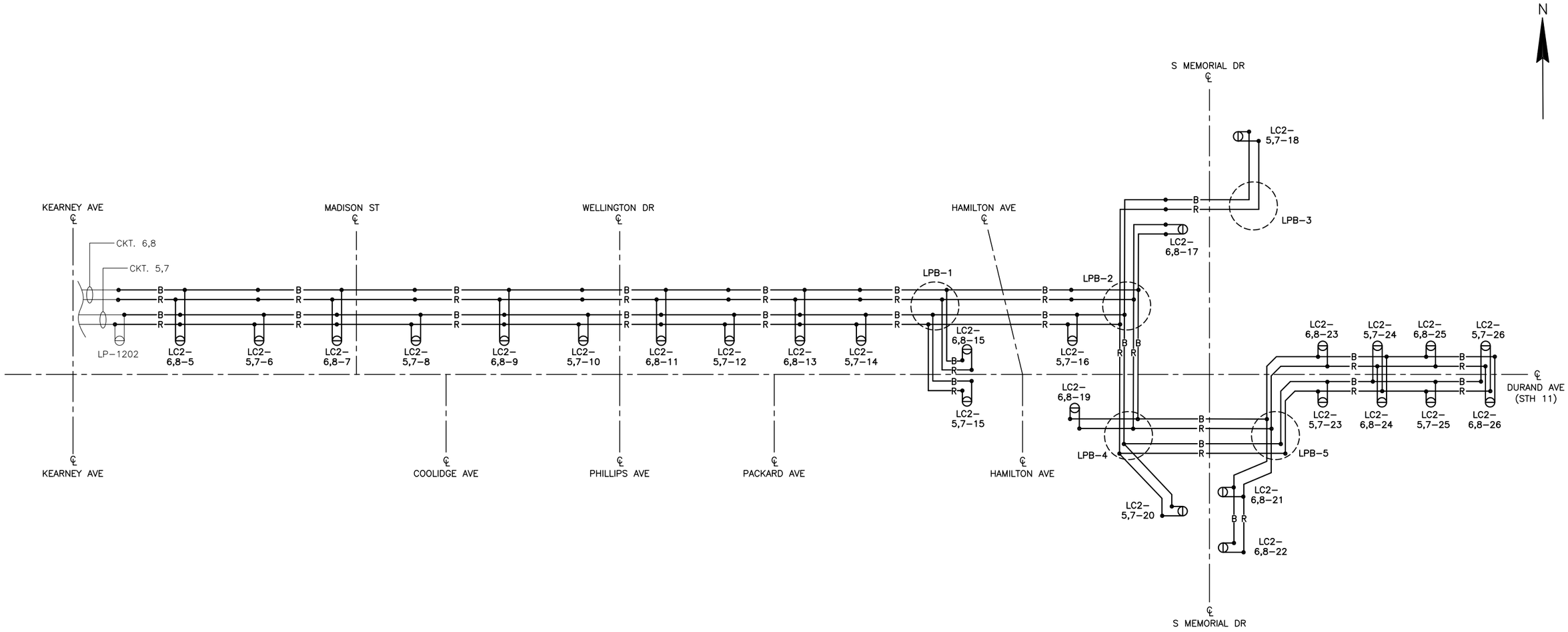
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3. INSTALL CONDUIT WITHIN 2–FT OF BACK OF CURB.



LEGEND:

- ⊖ 139W STANDARD LED LUMINAIRE
- • SPLICE

COLOR CODE:

B – BLACK
R – RED

NOTES:

1. GROUNDING CONDUCTOR NOT SHOWN, BUT REQUIRED.
2. LIGHT LINES DENOTE EXISTING, DARK LINES DENOTE NEW.
3. VERIFY COLOR CODING TO MATCH EXISTING CIRCUIT CONDUCTORS.

PARTIAL FIELD WIRING DIAGRAM – CABINET 'LC2' (120/240V)

NO SCALE

DESIGNED BY: POWRTEK ENGINEERING, INC. SHEET 11 OF 11

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PARTIAL FIELD WIRING DIAGRAM	SHEET NO: 85	E

2

SEE INSET

SECTION A-A

S MEMORIAL DR

DURAND AVE/STH 11

OLD PHONE STAND

CABLE BOX

PHONE BOX

PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB9 PB10 PB11 PB12 PB13 PB14 PB15 PB16 PB17 PB18 PB19 PB20 PB21 PB22 PB23 PB24 PB25 PB26 PB27 PB28 PB29 PB30 PB31 PB32

SB1 SB2 SB3 SB4

CB1

156+00 157+00 158+00 159+00 160+00 161+00 162+00

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
  LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- DW DON'T WALK INDICATOR
  W WALK INDICATOR
- B PEDESTRIAN HEAD WITH PUSH BUTTON

NOTE: BOLD REPRESENT ITEMS TO BE REMOVED
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATION WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. CABINET AND CONTROLLER TO BE REMOVED BY CITY ELECTRICAL PERSONNEL.
3. ABANDON LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP WIRE AND LOOP DETECTOR LEAD-IN CABLE TO BE REMOVED BY CONTRACTOR.
4. EXISTING CONDUIT RUNS TO REMAIN IN PLACE. CONTRACTOR TO REMOVE CONDUCTORS REMAINING IN CONDUIT.

TRAFFIC CONTROL SIGNAL
DURAND AVE & S MEMORIAL DRIVE
CITY OF RACINE
RACINE COUNTY

CITY CONTACT: ARA MOLITOR

PAGE 1 OF 1

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 86	E

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM.
2. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. PROPOSED PAVEMENT MARKINGS & DETECTABLE WARNING FIELDS GRAYSHADED FOR PLAN CLARITY.

SEE INSET

SECTION A-A

250' TO NEAR RIGHT SIGNAL

SPEED LIMIT = 30 MPH

S MEMORIAL DR

DURAND AVE/STH 11

TLE

R/W

CONC

ASPH

SB1 SB2 SB3 SB4 SB5 SB6

PB1 PB2 PB3 PB4 PB5

CB1

V1 V2 V3 V4

45'

2-3"

40'

60

156+00 157+00 158+00 159+00 160+00 161+00 162+00

PI: 166+85.33

290' TO NEAR RIGHT SIGNAL

SPEED LIMIT = 35 MPH

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- FY YELLOW ARROW
- G GREEN ARROW
- R RED ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- PEDESTRIAN HEAD WITH PUSH BUTTON
- VX VIDEO DETECTION CAMERA
- VIDEO DETECTION AREA
- Y YIELD SIGN
- RADIO INTERCONNECT ANTENNA, 5.8 GHZ

NOTE: GRAYSHADE REPRESENTS EXISTING ALL LENSES ARE 12-INCH

TRAFFIC CONTROL SIGNAL

DURAND AVE & S MEMORIAL DR

CITY OF RACINE

RACINE COUNTY

SIGNAL NO.

CITY CONTACT: ARA MOLITOR

DESIGNED BY: raSmith

REVISED BY:

PAGE 1 OF 2

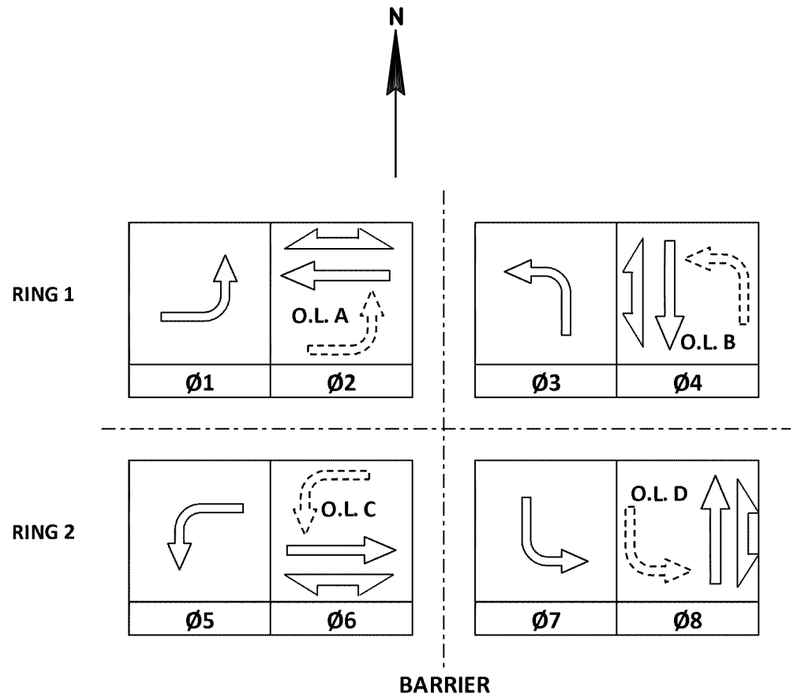
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 87	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\024201-SP.DWG
LAYOUT NAME - 024201-SP - S-PLAN 1 IN 40 FT

PLOT DATE : 4/27/2021 7:54 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

	HEAD NUMBER5	FLASH
Ø1	9,10	-
Ø2	16,17,18	R
Ø3	4,5	-
Ø4	11,12,13	R
Ø5	19,20	-
Ø6	6,7,8	R
Ø7	14,15	-
Ø8	1,2,3	R
Ø2P	25,26	
Ø4P	23,24	
Ø6P	21,22	
Ø8P	27,28	
OLA	9,10	R ←
OLB	4,5	R ←
OLC	19,20	R ←
OLD	14,15	R ←



CONTROLLER LOGIC

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

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

TYPE OF COORDINATION	
NONE	
TBC	X
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	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	S	11	9	1S	13
PLAN LOOP DETECTOR*(S)	11	21	31	41	42	S1	61	71
ASSIGNED PHASE	1	2	3	4	4	S	6	7
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH	2		4			6		8
EXTEND				X				
DELAY								

DETECTOR INPUT	19	17	23	21	27	2S	31	29
PLAN LOOP DETECTOR*(S)	81	82						
ASSIGNED PHASE	8	8						
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND	X							
DELAY								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)					43			
ASSIGNED PHASE					4			
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND								
DELAY								

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)		83						
ASSIGNED PHASE		8						
OPERATION MODE	VEH	VEH	VEH	VEH	VEH	VEH	VEH	VEH
SWITCH								
EXTEND								
DELAY								

STH 11 (DURAND AVE) & S. MEMORIAL DRIVE
CITY OF RACINE
RACINE COUNTY

SIGNAL NO: CABINET TYPE: TS2
CONTROLLER TYPE: EPAC
DATE: PAGE NO. 2 OF 2

PROJECT ID:	2260-08-70
INTERSECTION:	STH 11 (Durand Ave) & S Memorial Dr

Signal Wire Color Coding	BLK - black	RED - red	GRN - green
	WHT - white	BLU - blue	ORG - orange

DATE 4/27/21

CB1 TO	JUMPER	# OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR								PED BUTTON	APS
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK	
SB1		12	1	RED	ORG	GRN							
			14				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK			
			21								BLK	BLU	
			BUTTON										WHT/BLK
SB2		21	6	RED/WHT	ORG/RED	GRN/WHT							
			12	RED	ORG	GRN							
			13	RED	ORG	GRN							
			15				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
			19				RED/GRN	ORG/GRN	BLU/RED	BLK/RED			
			22								BLK	BLU	
			23								BLU/WHT	BLU/BLK	
			BUTTON										WHT/BLK
			BUTTON										WHT/RED
SB3		12	17	RED	ORG	GRN							
			18	RED	ORG	GRN							
			20				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK			
			24								BLK	BLU	
			BUTTON										WHT/BLK
SB4		12	4				RED	ORG	GRN	BLU/BLK			
			11	RED/BLK	ORG/BLK	GRN/BLK							
			25								BLK	BLU	
			BUTTON										WHT/BLK
SB5		21	2	RED	ORG	GREEN							
			3	RED	ORG	GREEN							
			5				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT			
			9				RED/WHT	ORG/RED	GRN/WHT	BLK/RED			
			16	RED/GRN	ORG/GRN	BLU/RED							
			26								BLK	BLU	
			27								BLU/WHT	BLU/BLK	
			BUTTON										WHT/BLK
			BUTTON										WHT/RED
SB6		12	7	RED	ORG	GRN							
			8	RED	ORG	GRN							
			10				RED/BLK	ORG/BLK	GRN/BLK	BLU/BLK			
			28								BLK	BLU	
			BUTTON										WHT/BLK

EQUIPMENT GROUNDING	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	CB1

PULL BOX BONDING	
FROM	TO
PB1	CB1
PB2	SB1
PB3	SB5
PB4	SB4
PB5	SB2

LIGHTING UF 10 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB3
CB1	SB6
SB6	SB5

VIDEO DETECTION CABLE	
FROM	TO
CB1	V1 (SB2)
CB1	V2 (SB3)
CB1	V3 (SB5)
CB1	V4 (SB6)

NOTES:

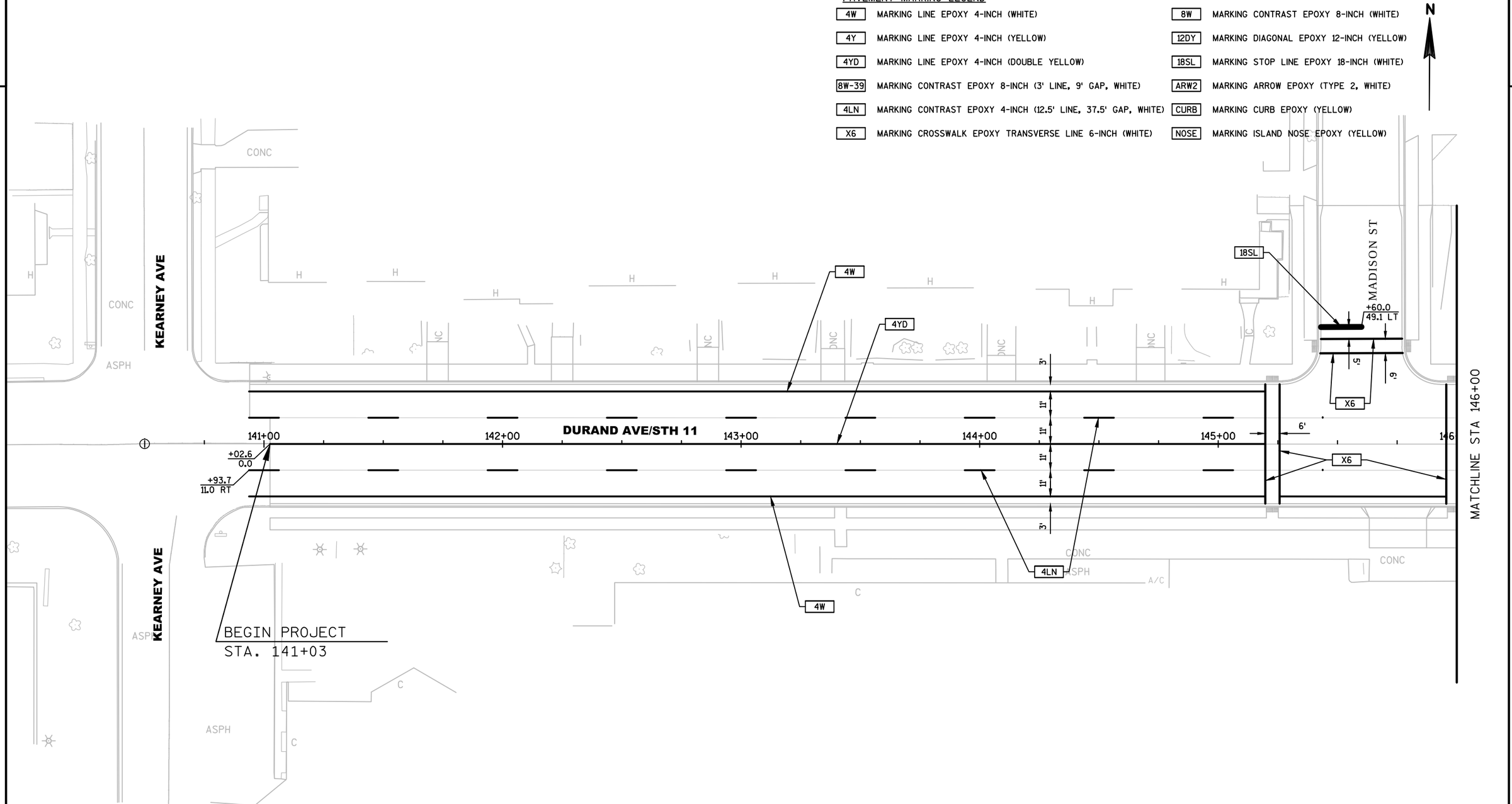
1. Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications.
2. Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.
3. At the signal bases, connect one terminal from the pedestrian push buttons to the color indicated in the chart. Connect the other terminal to the grounded conductor.
4. Reconnect the grounding conductors wherever the circuit has been interrupted to ensure the grounding circuit is complete.

2

2

PAVEMENT MARKING LEGEND

4W	MARKING LINE EPOXY 4-INCH (WHITE)	8W	MARKING CONTRAST EPOXY 8-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	12DY	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
4YD	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	18SL	MARKING STOP LINE EPOXY 18-INCH (WHITE)
8W-39	MARKING CONTRAST EPOXY 8-INCH (3' LINE, 9' GAP, WHITE)	ARW2	MARKING ARROW EPOXY (TYPE 2, WHITE)
4LN	MARKING CONTRAST EPOXY 4-INCH (12.5' LINE, 37.5' GAP, WHITE)	CURB	MARKING CURB EPOXY (YELLOW)
X6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)	NOSE	MARKING ISLAND NOSE EPOXY (YELLOW)

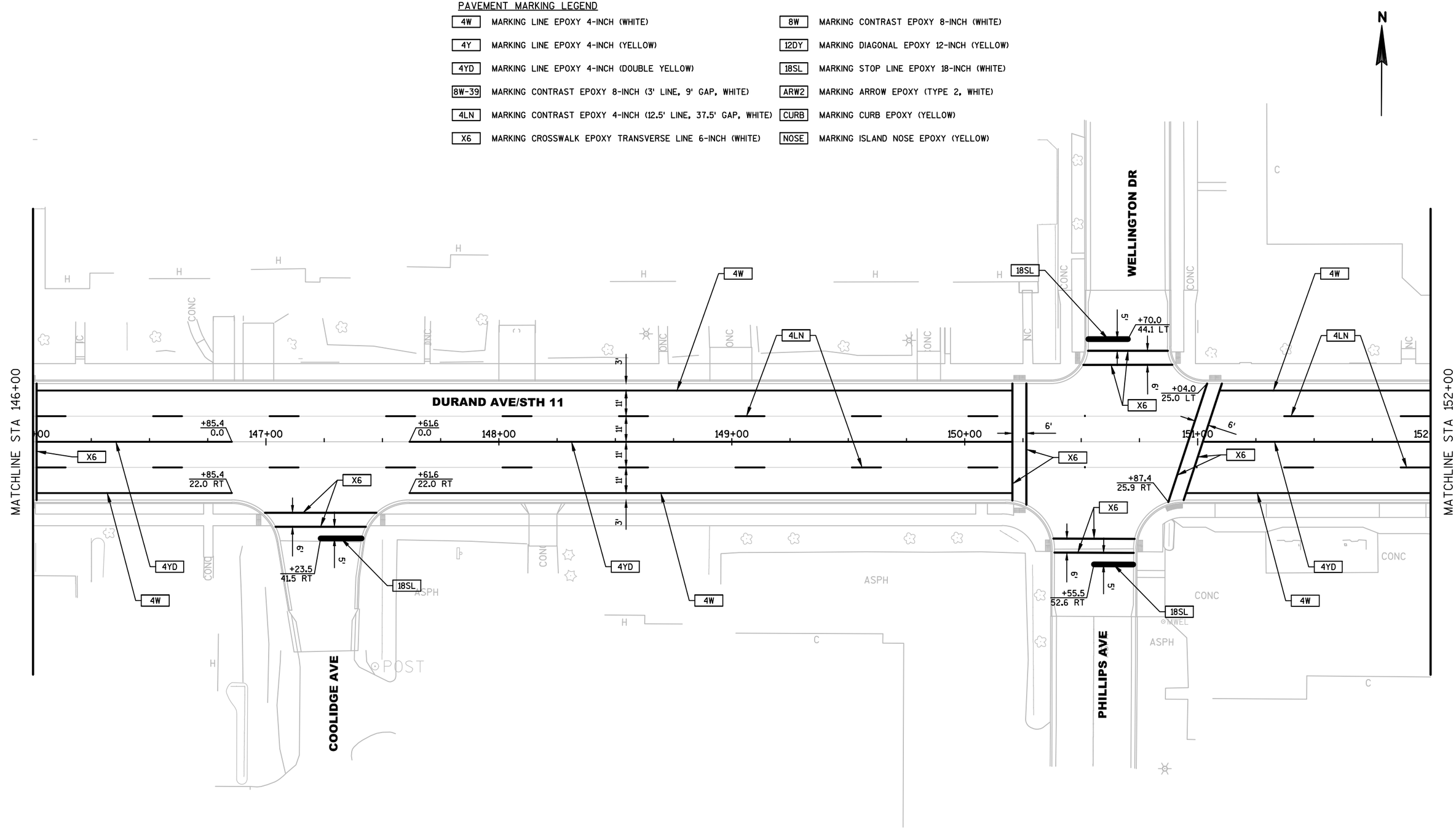


PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKING	SHEET 90	E

2

PAVEMENT MARKING LEGEND

4W	MARKING LINE EPOXY 4-INCH (WHITE)	8W	MARKING CONTRAST EPOXY 8-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	12DY	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
4YD	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	18SL	MARKING STOP LINE EPOXY 18-INCH (WHITE)
8W-39	MARKING CONTRAST EPOXY 8-INCH (3' LINE, 9' GAP, WHITE)	ARW2	MARKING ARROW EPOXY (TYPE 2, WHITE)
4LN	MARKING CONTRAST EPOXY 4-INCH (12.5' LINE, 37.5' GAP, WHITE)	CURB	MARKING CURB EPOXY (YELLOW)
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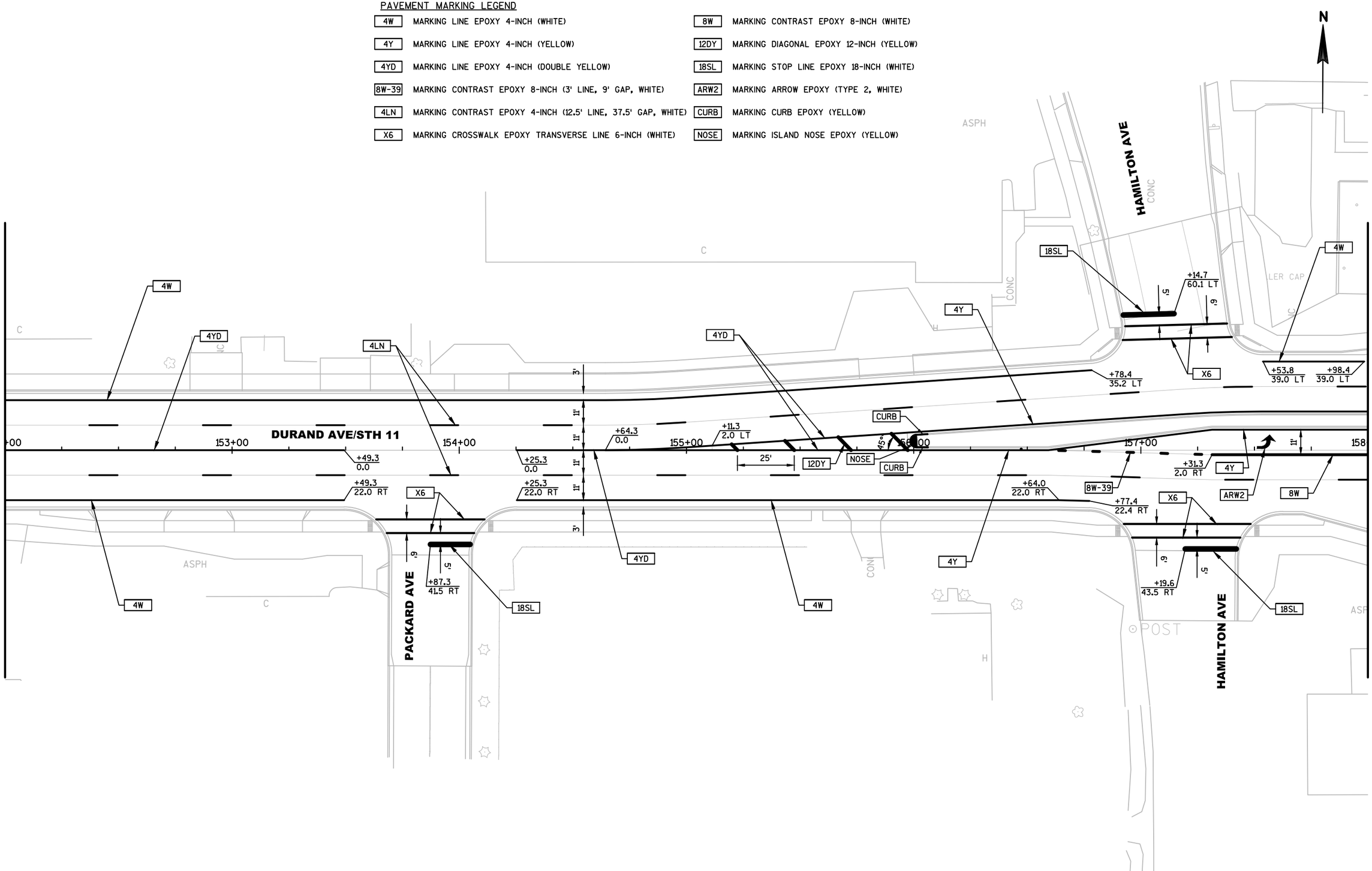


PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKING	SHEET 91	E

2

PAVEMENT MARKING LEGEND

4W	MARKING LINE EPOXY 4-INCH (WHITE)	8W	MARKING CONTRAST EPOXY 8-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	12DY	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
4YD	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	18SL	MARKING STOP LINE EPOXY 18-INCH (WHITE)
8W-39	MARKING CONTRAST EPOXY 8-INCH (3' LINE, 9' GAP, WHITE)	ARW2	MARKING ARROW EPOXY (TYPE 2, WHITE)
4LN	MARKING CONTRAST EPOXY 4-INCH (12.5' LINE, 37.5' GAP, WHITE)	CURB	MARKING CURB EPOXY (YELLOW)
X6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)	NOSE	MARKING ISLAND NOSE EPOXY (YELLOW)



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKING	SHEET 92 E

PAVEMENT MARKING LEGEND

4W	MARKING LINE EPOXY 4-INCH (WHITE)	8W	MARKING CONTRAST EPOXY 8-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	12DY	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
4YD	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	18SL	MARKING STOP LINE EPOXY 18-INCH (WHITE)
8W-39	MARKING CONTRAST EPOXY 8-INCH (3' LINE, 9' GAP, WHITE)	ARW2	MARKING ARROW EPOXY (TYPE 2, WHITE)
4LN	MARKING CONTRAST EPOXY 4-INCH (12.5' LINE, 37.5' GAP, WHITE)	CURB	MARKING CURB EPOXY (YELLOW)
X6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)	NOSE	MARKING ISLAND NOSE EPOXY (YELLOW)

N

S MEMORIAL/DR

DURAND AVE/STH 11

CAPITOL AVE

MATCHLINE STA 158+00

MATCHLINE STA 78+25

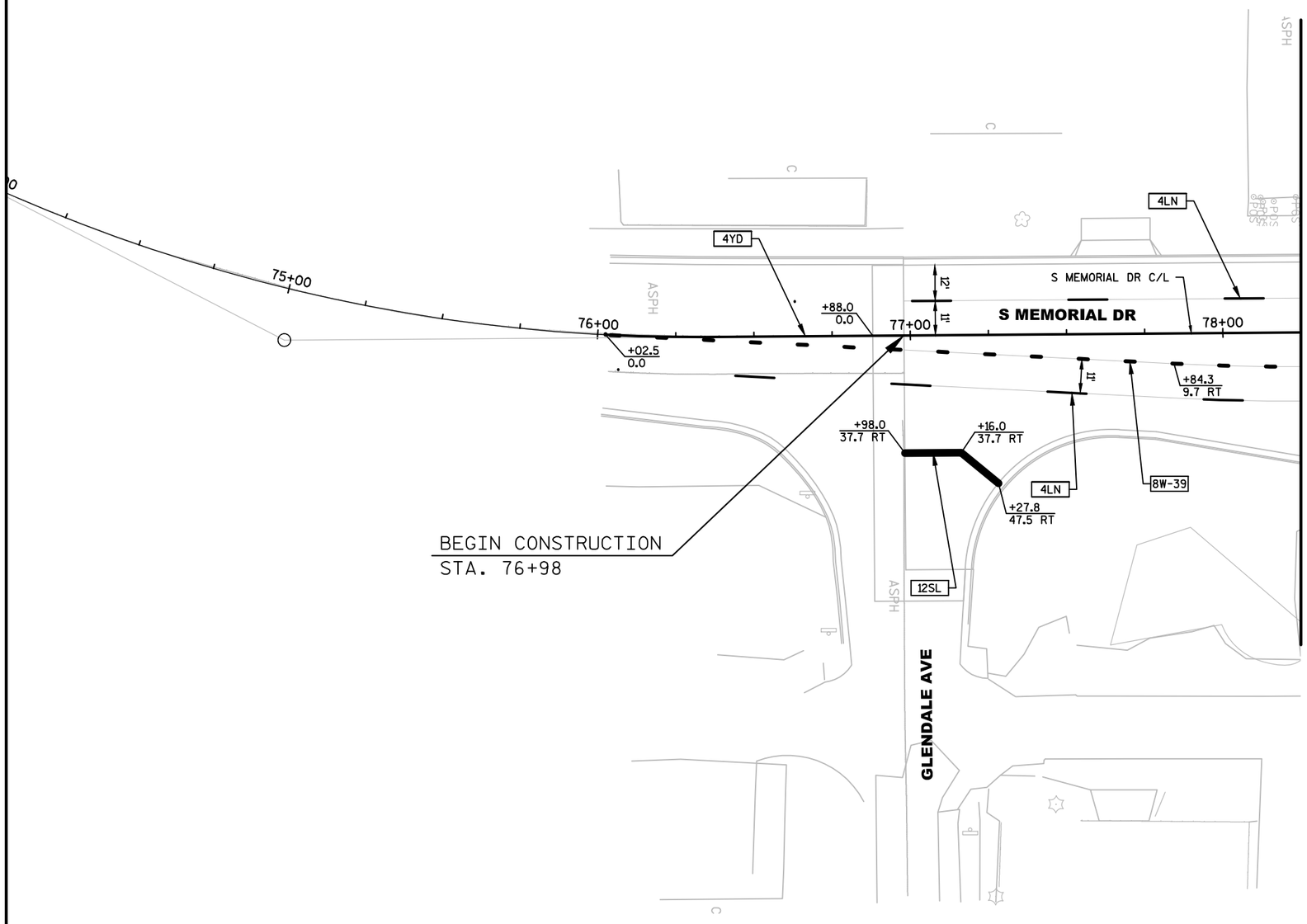
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKING	SHEET 93	E

2

PAVEMENT MARKING LEGEND

4W	MARKING LINE EPOXY 4-INCH (WHITE)	8W	MARKING CONTRAST EPOXY 8-INCH (WHITE)
4Y	MARKING LINE EPOXY 4-INCH (YELLOW)	12DY	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
4YD	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)	18SL	MARKING STOP LINE EPOXY 18-INCH (WHITE)
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X6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)	NOSE	MARKING ISLAND NOSE EPOXY (YELLOW)

N



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKING	SHEET 94	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 024501-PM - 05

PLOT DATE : 4/27/2021 11:16 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

TRAFFIC CONTROL LEGEND

- TRAFFIC CONTROL BARRICADE TYPE II WITH ONE TYPE A WARNING LIGHT WITH ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE TYPE III WITH TWO TYPE A WARNING LIGHTS
- TRAFFIC CONTROL BARRICADE TYPE III WITH TWO TYPE A WARNING LIGHTS WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM (25' SPACING)
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT (25' SPACING)
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POST AND BASE (25' SPACING)
- TRAFFIC CONTROL CONES 42-INCH (12.5' SPACING)
- DIRECTION OF TRAFFIC
- MB — TRAFFIC CONTROL SIGN PCMS
- WORK ZONE
- 4" ASPHALTIC SURFACE TEMPORARY AND 8" BASE AGGREGATE DENSE 1 1/4-INCH
- PREVIOUSLY-PLACED ASPHALTIC SURFACE
- ASPHALT WEDGING (PAID AS ASPHALTIC SURFACE TEMPORARY)
- PREVIOUSLY-PLACED ASPHALT WEDGING
- CONCRETE PAVEMENT HES 8 1/2-INCH

TEMPORARY MARKING LEGEND

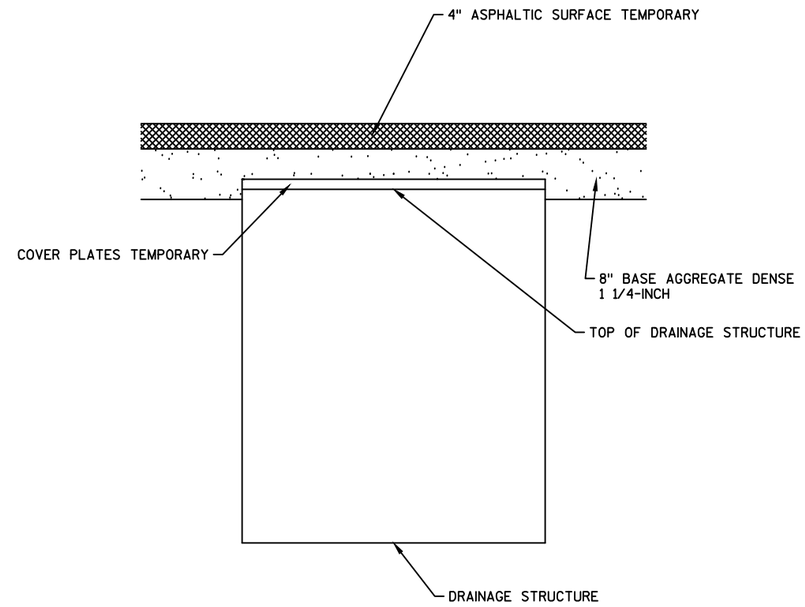
- PM — PERMANENT PAVEMENT MARKINGS (SEE PAVEMENT MARKING PLAN)
- T4W — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- T4Y — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- T4Y-D — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DOUBLE YELLOW)
- P4W — TEMPORARY MARKING LINE PAINT 4-INCH (WHITE)
- P4Y — TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW)
- P4Y-D — TEMPORARY MARKING LINE PAINT 4-INCH (DOUBLE YELLOW)
- TSL — TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- TARROW — TEMPORARY MARKING ARROW REMOVABLE TAPE (WHITE)
- ////////. (X") — TEMPORARY MARKING REMOVABLE MASK-OUT TAPE (WIDTH AS NOTED)
- XXXXXXX (X") — MARKING REMOVAL LINE (WIDTH AS NOTED)

MISCELLANEOUS WORK LEGEND

- BH — TEMPORARILY BULKHEAD STORM SEWER PIPE (PAID AS SEALING PIPES)
- CPT — COVER PLATES TEMPORARY
- TSS — TEMPORARY CONNECTION BETWEEN EXISTING AND PROPOSED STORM SEWER PIPE WITH CONCRETE COLLAR

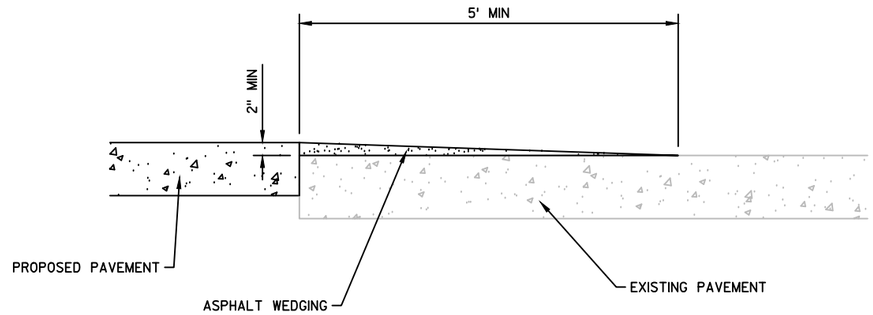
NOTES:

1. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. ALL TRAFFIC CONTROL SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED.
4. PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING SHALL BE INSTALLED WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
5. ADEQUATE TURNING PROVISIONS SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING WB-67 TRUCKS.
6. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED OR MASKED.
7. BARRICADE STRIPES SHALL POINT DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.



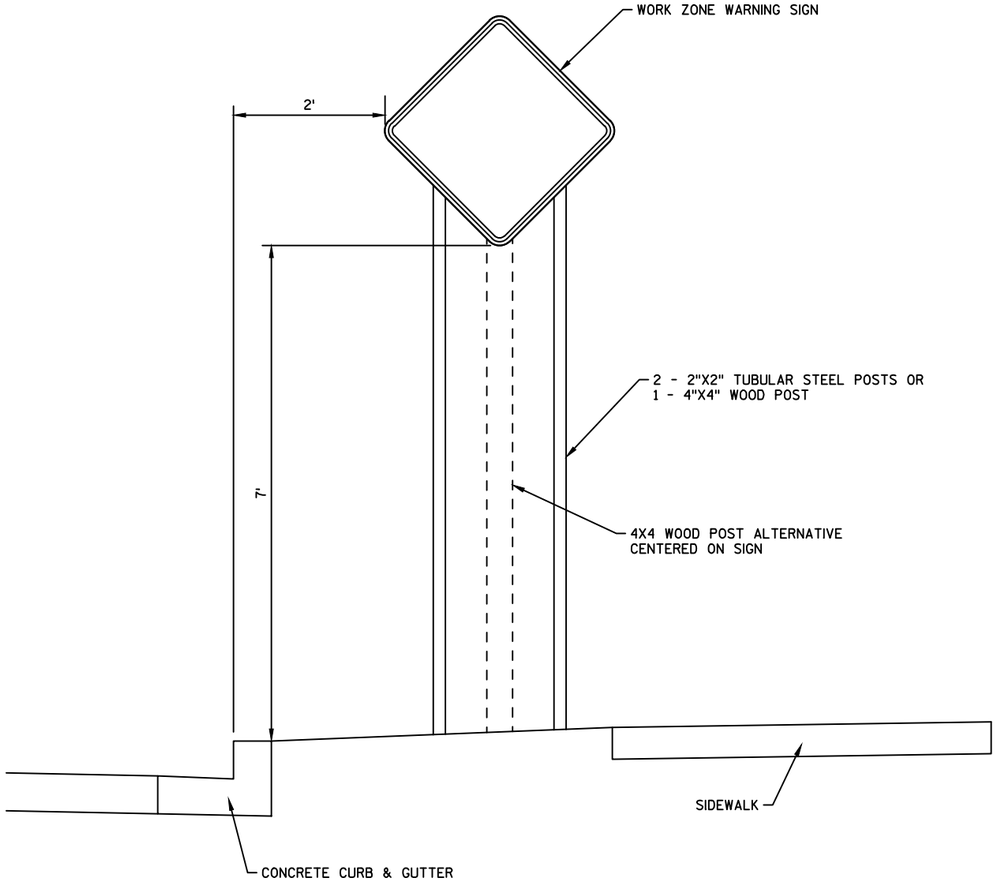
COVER PLATES TEMPORARY

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS



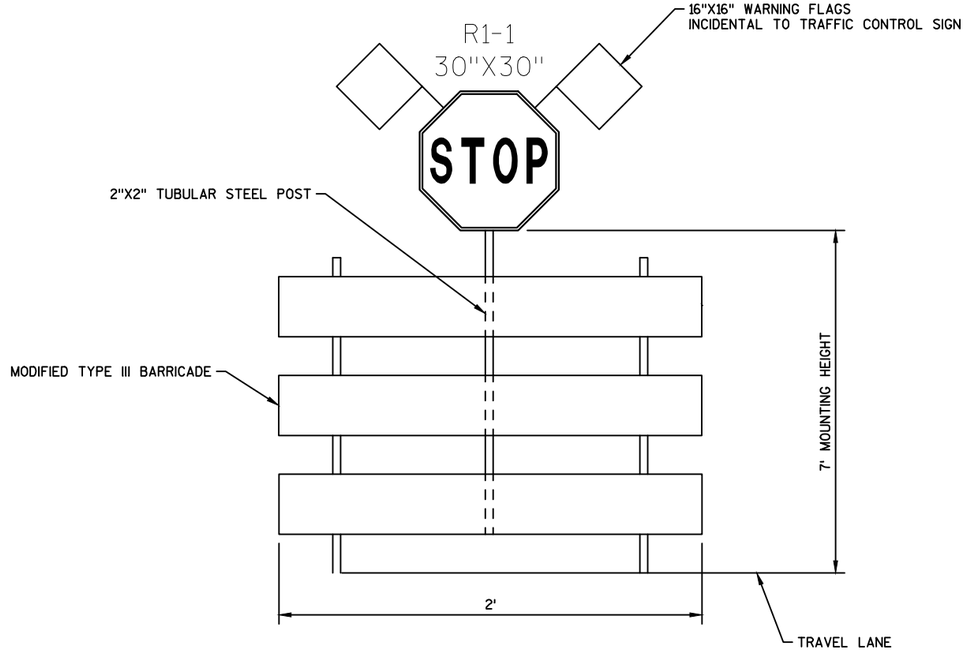
ASPHALT WEDGING

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS



TYPICAL TEMPORARY TRAFFIC CONTROL DETAIL - MOUNTING ON FIXED SUPPORT

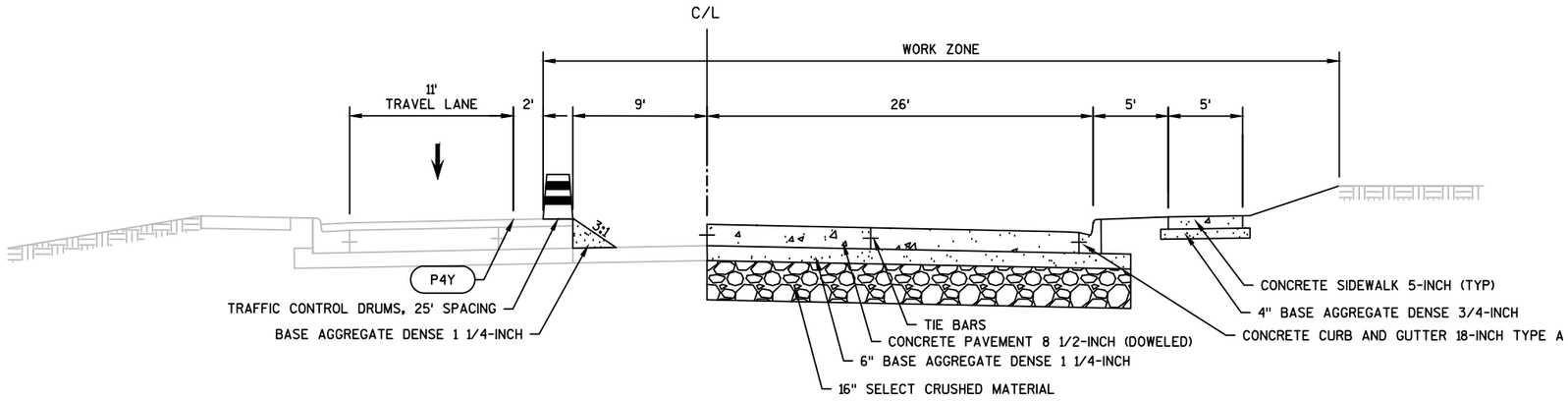
LONG TERM
7 DAYS OR MORE



TEMPORARY STOP SIGN

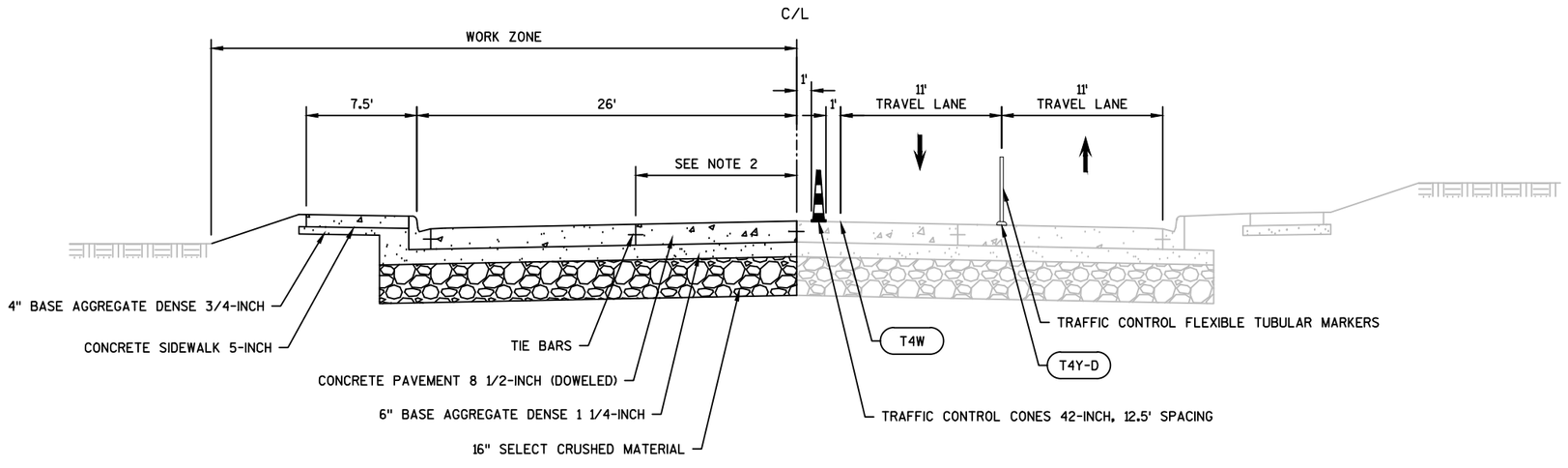
PAID FOR AS:
1 - TRAFFIC CONTROL BARRICADES TYPE III
1 - TRAFFIC CONTROL SIGNS

2



STAGING TYPICAL SECTION
DURAND AVE (STH 11)
STAGE 1

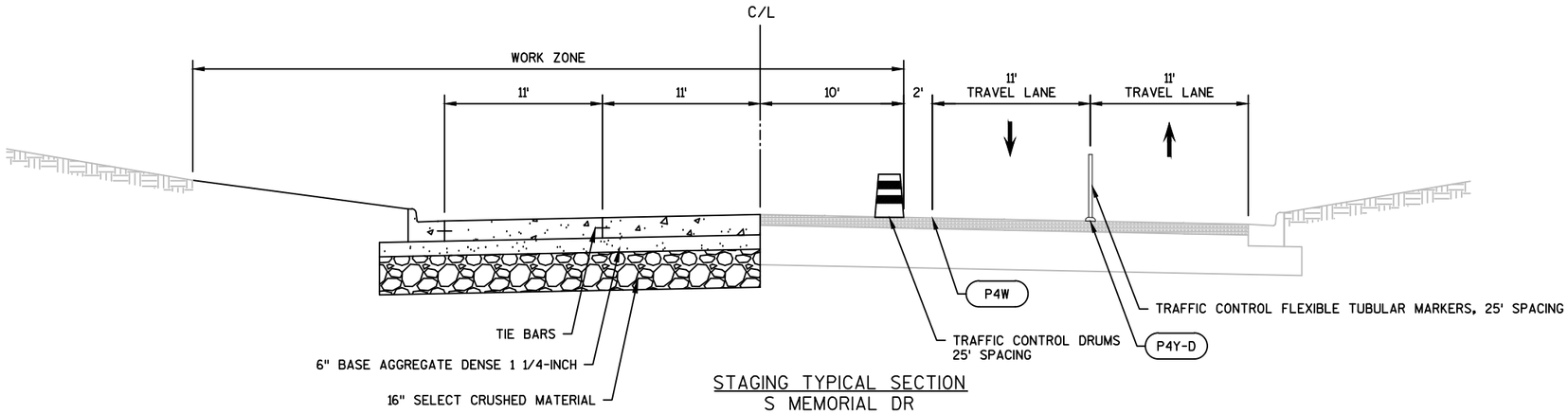
NOTES:
1. SEE TRAFFIC CONTROL PLANS FOR STAGE 3 LAYOUT ON DURAND AVE
2. WHEN PAVING THIS AREA, CLOSE THE ADJACENT TRAVEL LANE USING SDD TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION.



STAGING TYPICAL SECTION
DURAND AVE (STH 11)

STAGE 2

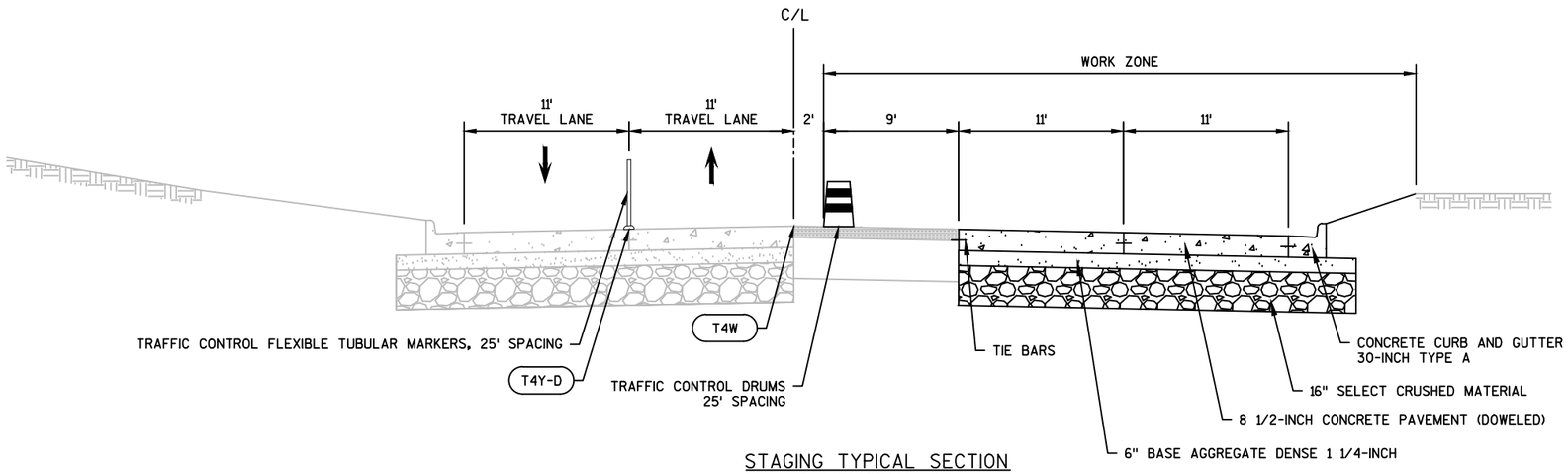
2



STAGING TYPICAL SECTION
S MEMORIAL DR

STAGE 1A

NOTES:
1. TYPICAL SECTIONS FOR STAGE 2B ON S MEMORIAL DR ARE NOT SHOWN. WORK CONSISTS OF RECONSTRUCTING THE NORTHWEST CORNER OF THE DURAND AVE/S MEMORIAL DR INTERSECTION. SEE TRAFFIC CONTROL PLANS.

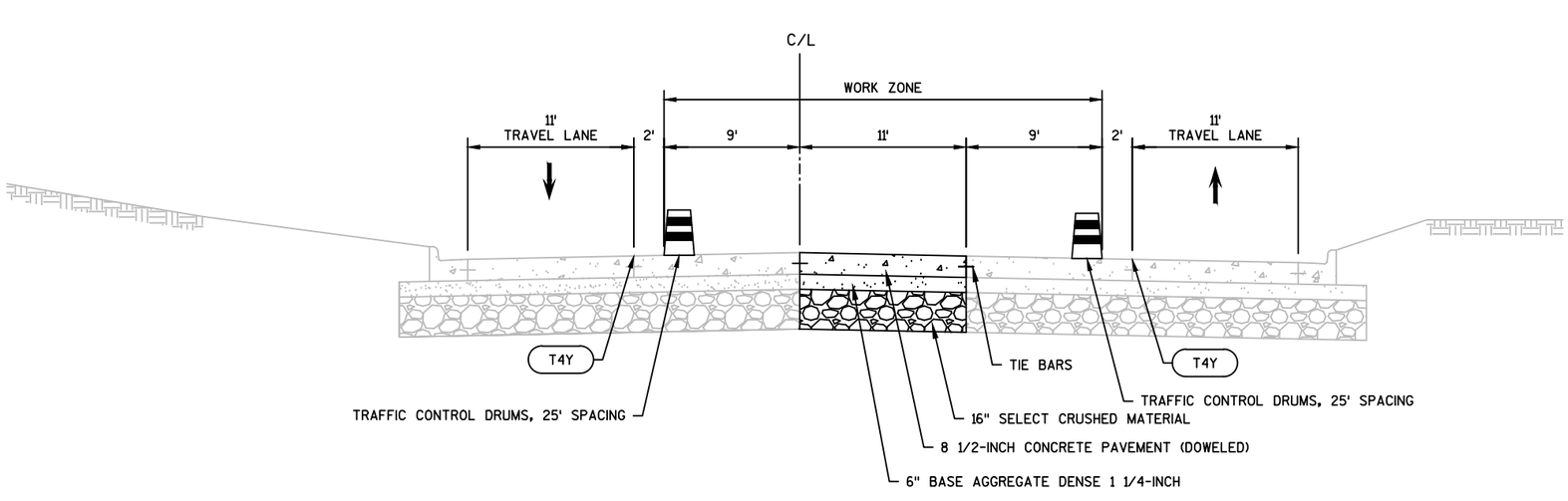


STAGING TYPICAL SECTION
S MEMORIAL DR

STAGES 1B & 2A

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - TYPICAL SECTIONS	SHEET 98	E

2

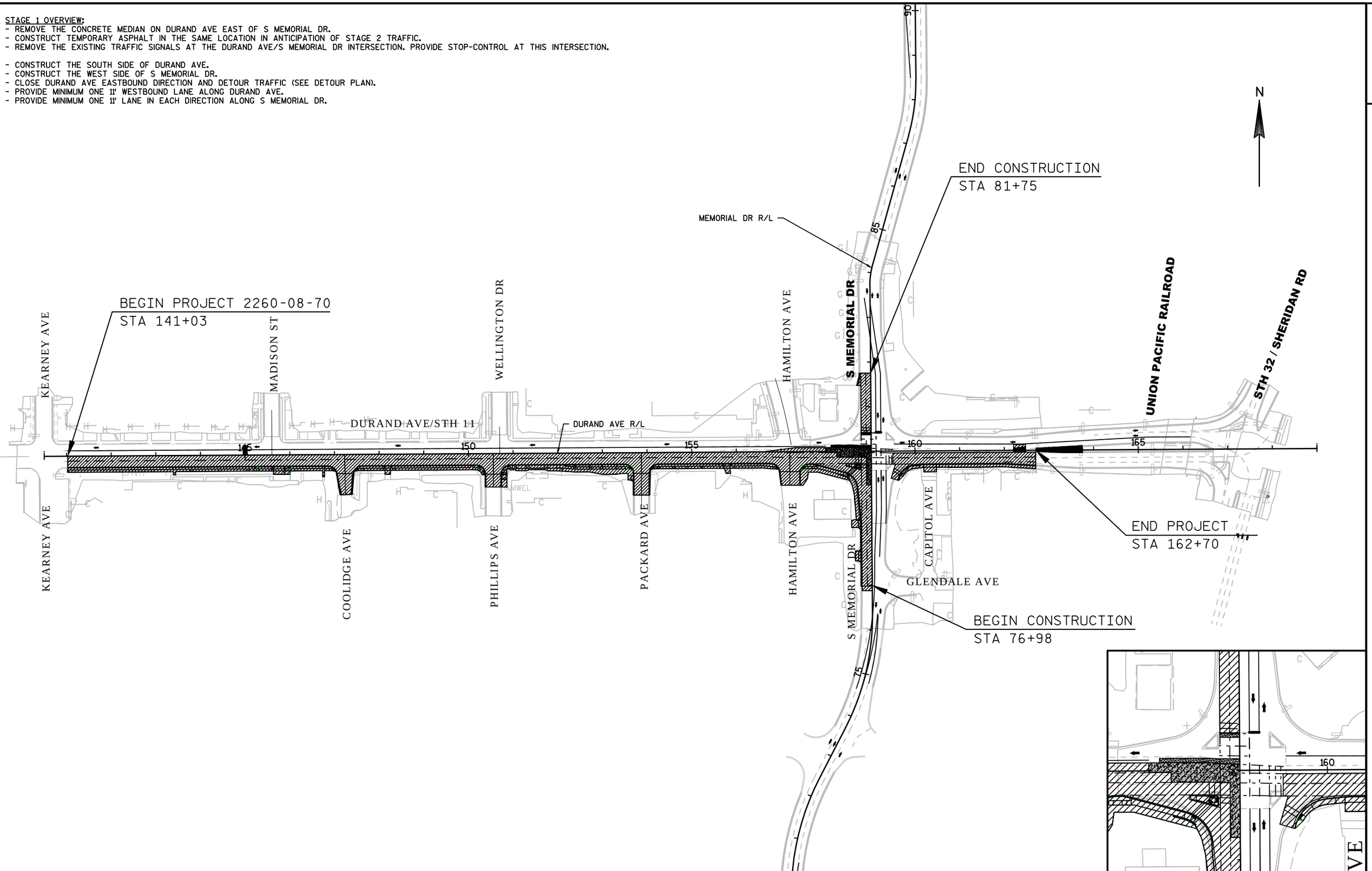


STAGING TYPICAL SECTION
S MEMORIAL DR

STAGE 3

STAGE 1 OVERVIEW:
- REMOVE THE CONCRETE MEDIAN ON DURAND AVE EAST OF S MEMORIAL DR.
- CONSTRUCT TEMPORARY ASPHALT IN THE SAME LOCATION IN ANTICIPATION OF STAGE 2 TRAFFIC.
- REMOVE THE EXISTING TRAFFIC SIGNALS AT THE DURAND AVE/S MEMORIAL DR INTERSECTION. PROVIDE STOP-CONTROL AT THIS INTERSECTION.

- CONSTRUCT THE SOUTH SIDE OF DURAND AVE.
- CONSTRUCT THE WEST SIDE OF S MEMORIAL DR.
- CLOSE DURAND AVE EASTBOUND DIRECTION AND DETOUR TRAFFIC (SEE DETOUR PLAN).
- PROVIDE MINIMUM ONE 11' WESTBOUND LANE ALONG DURAND AVE.
- PROVIDE MINIMUM ONE 11' LANE IN EACH DIRECTION ALONG S MEMORIAL DR.



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL OVERVIEW - STAGE 1	SHEET 100	E

2

N

ROAD WORK AHEAD
W20-1-A
PLACE AT DWIGHT ST INTERSECTION

ONE WAY
R6-1-R
36"X12"

R3-2
24"X24"

INSTALL STORM SEWER PIPE AND MANHOLE DURING OFF-PEAK HOURS. TEMPORARILY BULKHEAD STORM SEWER PIPE TO THE NORTH AND PLACE COVER PLATES TEMPORARY ON MANHOLE.

END ROAD WORK
G20-2A
48"X24"

200'

KEARNEY AVE

DO NOT ENTER
R5-1
30"X30"

P4Y

LANE CLOSED
R11-2-L
48"X30"

CPT

BH

MADISON ST

DURAND AVE/STH 11

141+00

+02.6
12.0 LT

142+00

143+00

144+00

146

MATCHLINE STA 146+00

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
CROSS HERE
R9-11-A
48"X24"

R3-1
24"X24"

KEARNEY AVE

ONE WAY
R6-2-R
24"X30"

R3-2
24"X24"

SEE DETOUR PLAN FOR EASTBOUND STH 11 ADVANCED SIGNING

CONC
ASPH
A/C
C
H
G
E
W
SS
SAN
MH
WV
GV
CV
OH

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 101	E

2

ROAD CLOSED AHEAD
W20-3-A
PLACE AT DWIGHT ST INTERSECTION

N

ONE WAY
R6-1-R
36"X12"

R3-2
24"X24"

WELLINGTON DR

ONE WAY
R6-2-R
24"X30"

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

LANE CLOSED
R11-2-L
48"X30"

P4Y

BH

MATCHLINE STA 146+00

147+00

DURAND AVE/STH 11

148+00

149+00

150+00

151+00

152

MATCHLINE STA 152+00

ROAD CLOSED
R11-2
48"X30"

COOLIDGE AVE

ROAD CLOSED
R11-2
48"X30"

PHILLIPS AVE

PLACE AT WINTHROP AVE INTERSECTION

ROAD CLOSED AHEAD
W20-3-A

PLACE AT WINTHROP AVE INTERSECTION

ROAD CLOSED AHEAD
W20-3-A

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 102	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025001-TC-1.DWG
LAYOUT NAME - 025001-TC-1 - 02

PLOT DATE : 4/27/2021 11:18 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

N

MATCHLINE STA 152+00

MATCHLINE STA 158+00

153+00

154+00

155+00

156+00

157+00

+00.0

12.0 LT

158

DURAND AVE/STH 11

ROAD CLOSED AHEAD
W20-3-A
PLACE AT WELLINGTON DR INTERSECTION

ROAD CLOSED AHEAD
W20-3-A
PLACE AT LYDIAN DR INTERSECTION

HAMILTON AVE

ONE WAY
R6-1-R
36"X12"

R3-2
24"X24"

ONE WAY
R6-2-R
24"X30"

LANE CLOSED
R11-2-L
48"X30"

ROAD CLOSED
R11-2
48"X30"

R3-2
24"X24"

R3-2
24"X24"

P4Y

BH

XXXXX (4")

ROAD CLOSED
R11-2
48"X30"

PACKARD AVE

PLACE AT WINTHROP AVE INTERSECTION

ROAD CLOSED AHEAD
W20-3-A

ROAD CLOSED
R11-2
48"X30"

HAMILTON AVE

PLACE AT WINTHROP AVE INTERSECTION

ROAD CLOSED AHEAD
W20-3-A

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 103	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025001-TC-1.DWG
LAYOUT NAME - 025001-TC-1 - 03

PLOT DATE : 4/27/2021 11:18 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

STOP
R1-1
30"X30"

S MEMORIAL DR

SEE S MEMORIAL DR STAGES 1A AND 1B TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

INSTALL STORM SEWER PIPE AND CATCH BASIN DURING OFF-PEAK HOURS.

STA 162+88
END TEMPORARY PAINT

STA 162+88
BEGIN TEMPORARY TAPE

N

SIDEWALK CLOSED
R9-9
24"X12"

ONE WAY
R6-2-L
24"X30"

W01-6
48"X24"

LANE CLOSED
R11-2-L
48"X30"

P4Y

T4Y

TSS

DURAND AVE/STH 11

+38.6
14.1 LT

+53.7
16.0 LT

+20.5
4.7 LT

+47.7
8.1 LT

+71.1
4.7 LT

+75.0
9.8 LT

+71.0
2.7 RT

+36.7
5.8 RT

+75.0
5.9 RT

MATCHLINE STA 158+00

MATCHLINE STA 164+00

158+00

160+00

161+00

162+00

164

80+00

81+00

79+00

78+00

ROAD CLOSED
R11-2
48"X30"

DO NOT ENTER
R5-1
30"X30"

SIDEWALK CLOSED
R9-9
24"X12"

LANE CLOSED
R11-2-L
48"X30"

ROAD CLOSED
R11-2
48"X30"

CPT

SIDEWALK CLOSED
R9-9
24"X12"

S MEMORIAL DR

CAPITOL AVE

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 104	E

MATCHLINE STA 164+00

LANE CLOSED
R11-2-L
48"X30"

W01-6
48"X24"

T4Y

+19.4
28.0 LT

+16.4
27.9 LT

165+00

166+00

167+00

168+00

STH 11/DURAND AVE

STH 32 / SHERIDAN RD

ROAD WORK AHEAD
W20-1-A

PLACE ALONG SOUTHBOUND STH 32
200' IN ADVANCE OF STH 11/STH 32 INTERSECTION

N

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

2

N

ROAD WORK AHEAD
W20-1-A

PLACE ALONG NORTHBOUND STH 32 IN THE
MEDIAN AND ON THE OUTSIDE
200' IN ADVANCE OF LEFT-TURN LANE TAPER

BEGIN LEFT TURN LANE
R3-20-L
24"X36"

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

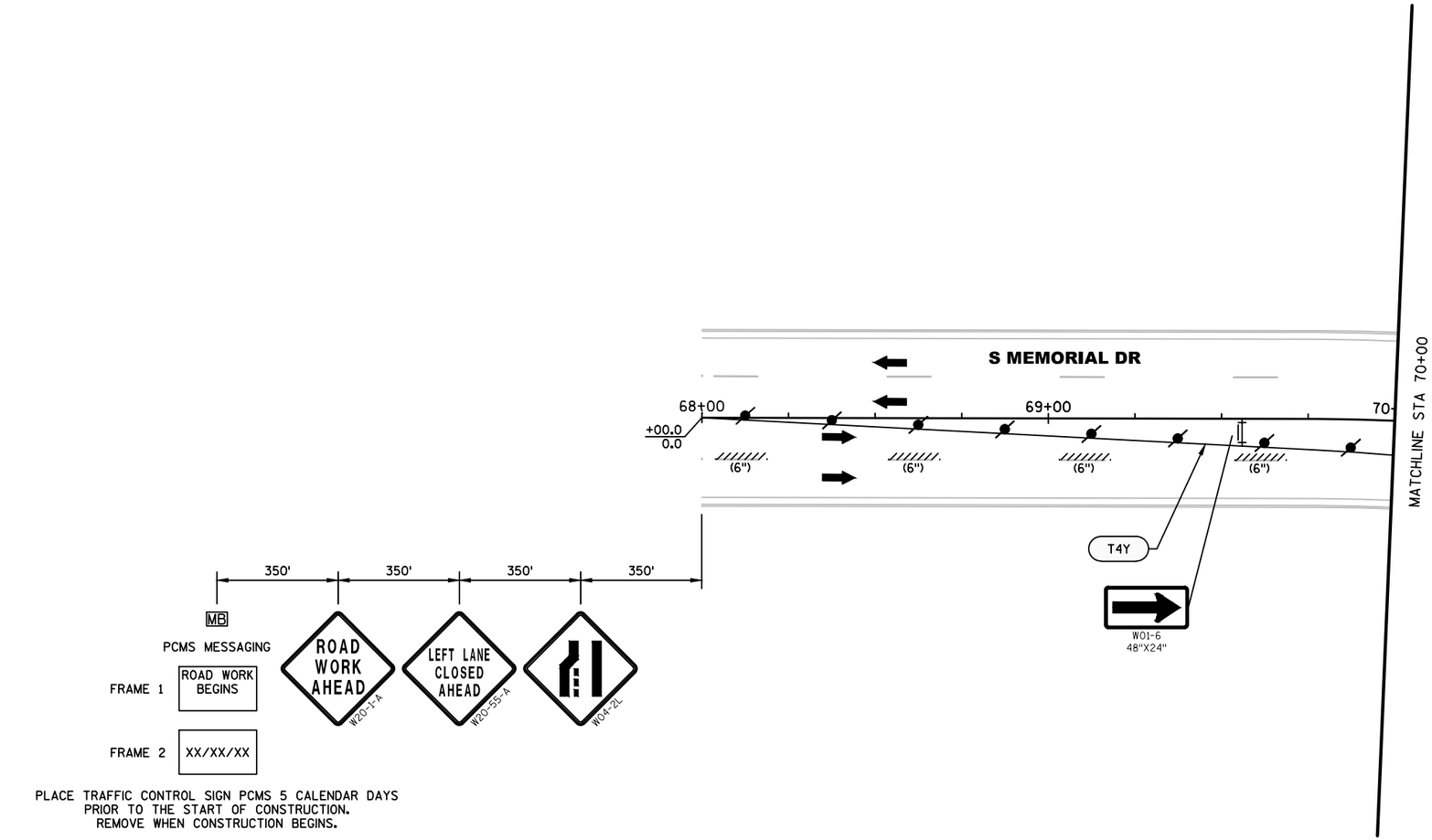
183'

STH 32 / SHERIDAN RD

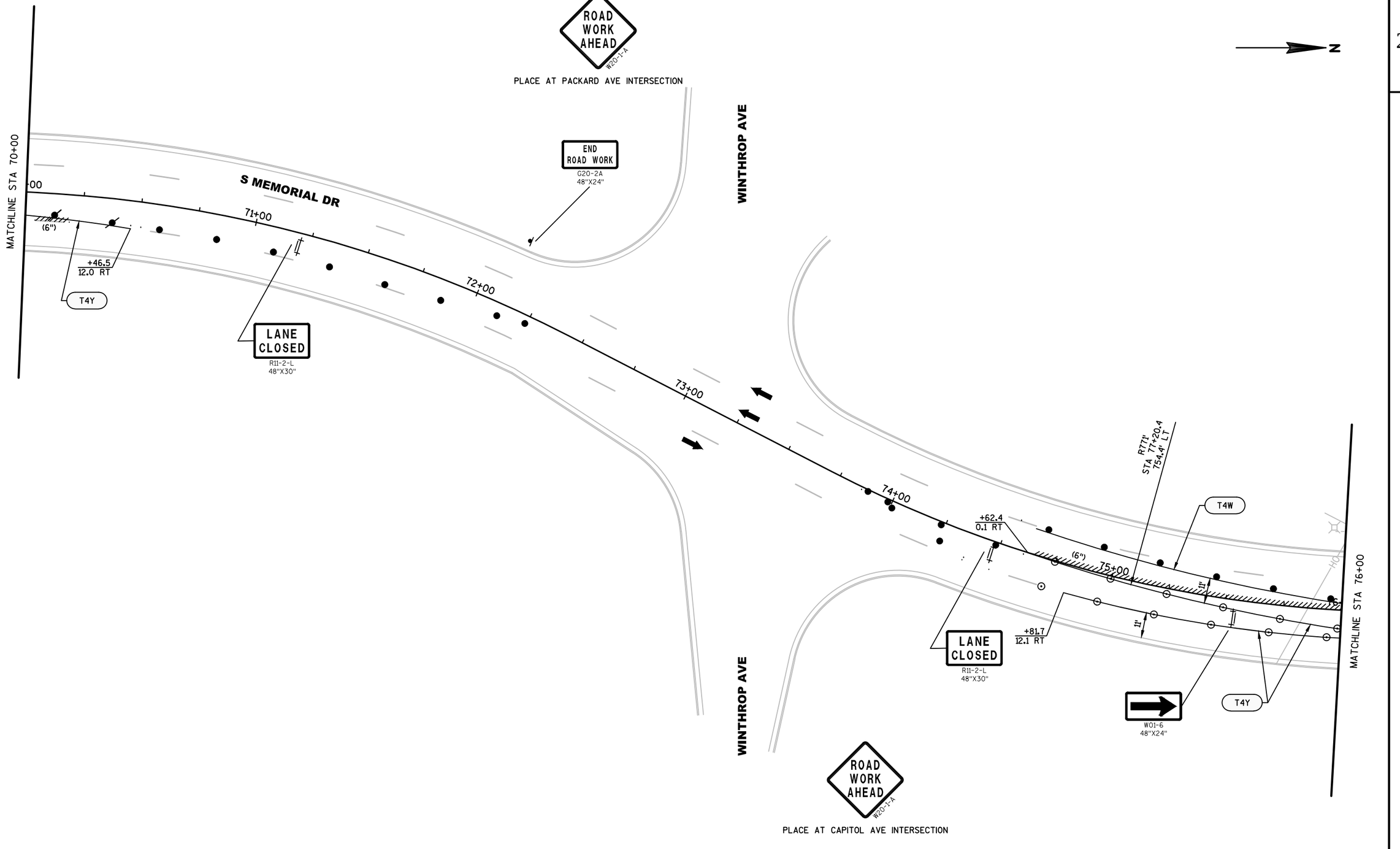
STH 11 / DURAND AVE

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 105	E

2


N
S MEMORIAL DR
68+00
69+00
70+00
+00.0
0.0
(6")
(6")
(6")
(6")
MATCHLINE STA 70+00
T4Y
W01-6
48"X24"
350'
350'
350'
350'
MB
PCMS MESSAGING
FRAME 1
ROAD WORK BEGINS
FRAME 2
XX/XX/XX
ROAD WORK AHEAD
W20-1-A
LEFT LANE CLOSED AHEAD
W20-5S-A
W04-2L
PLACE TRAFFIC CONTROL SIGN PCMS 5 CALENDAR DAYS
PRIOR TO THE START OF CONSTRUCTION.
REMOVE WHEN CONSTRUCTION BEGINS.

2



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1A	SHEET 107	E

2

HAMILTON AVE

S MEMORIAL DR

MATCHLINE STA 76+00

MATCHLINE STA 82+00

GLENDALE AVE

CAPITOL AVE

DURAND AVE/STH 11

SEE DURAND AVE STAGE 1 TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

PLACE TRAFFIC CONTROL SIGN PCMS 5 CALENDAR DAYS PRIOR TO THE START OF CONSTRUCTION. REMOVE WHEN CONSTRUCTION BEGINS.

PCMS MESSAGING

ROAD WORK BEGINS — FRAME 1

XX/XX/XX — FRAME 2

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

W01-4R

W01-6 48"X24"

R3-2 24"X24"

R1-1 30"X30"

STA 76+88 END TEMPORARY TAPE

STA 76+88 BEGIN TEMPORARY PAINT

W6-4 12"X18" MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

TRUCK M4-4 24"X12"

NO TURNS R3-3 24"X24"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

STOP R1-1 30"X30" 16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

R3-1 24"X24"

ROAD WORK AHEAD W20-1-A

STA 76+88 END TEMPORARY PAINT BEGIN TEMPORARY TAPE

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1A	SHEET 108	E

2

N

ROAD CLOSED
R11-2
48"X30"

W01-6
48"X24"

T4W

+43.2
12.8 LT

+37.6
0.9 LT

T4Y-D

W01-4L

LANE CLOSED
R11-2-L
48"X30"

S MEMORIAL DR

MATCHLINE STA 82+00

MATCHLINE STA 88+00

82+00

83+00

84+00

85+00

86+00

87+00

88+00

12"

(6")

OH

G

W

E

SAN

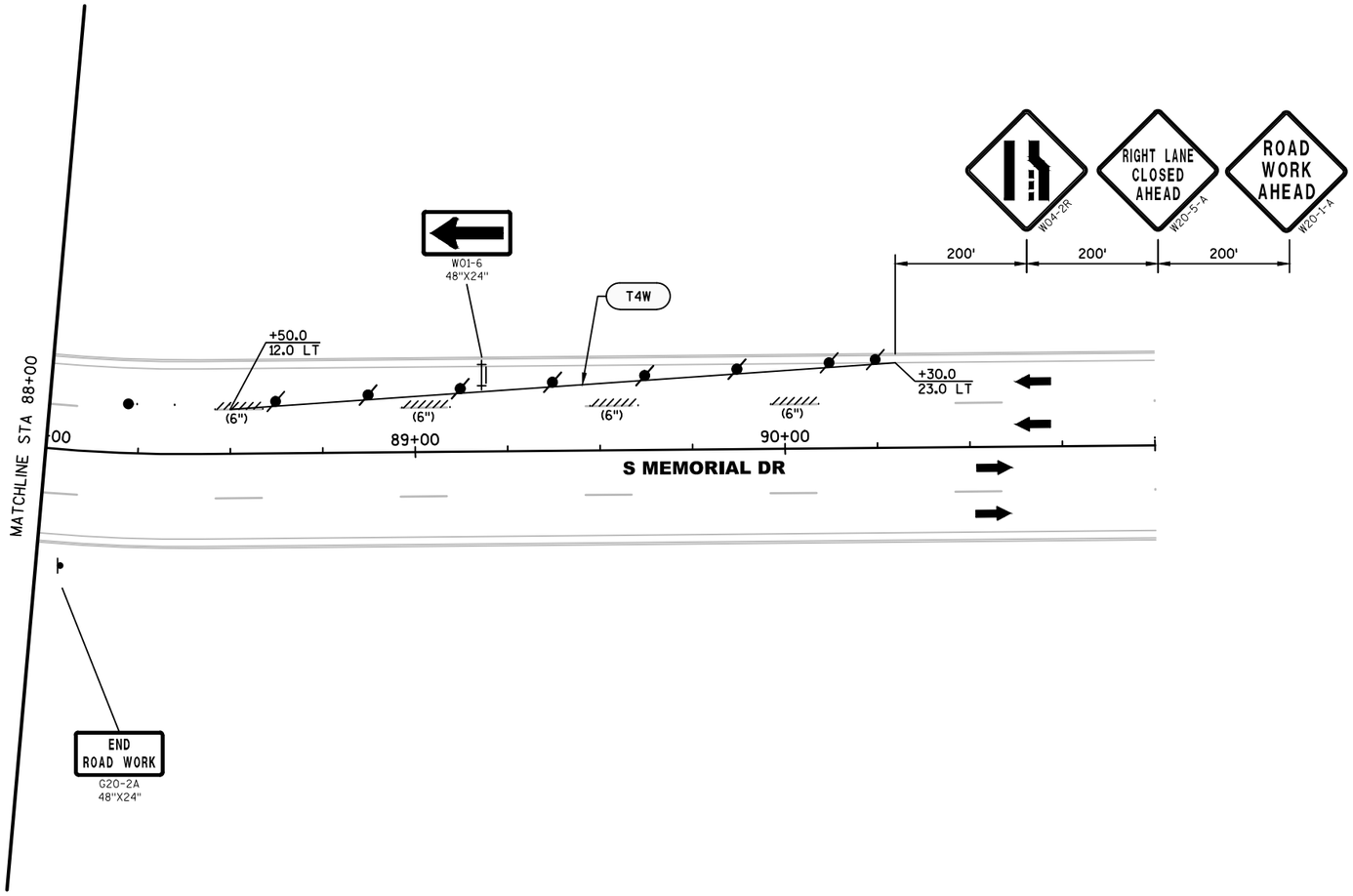
CONC

ASPH

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1A	SHEET 109	E

2

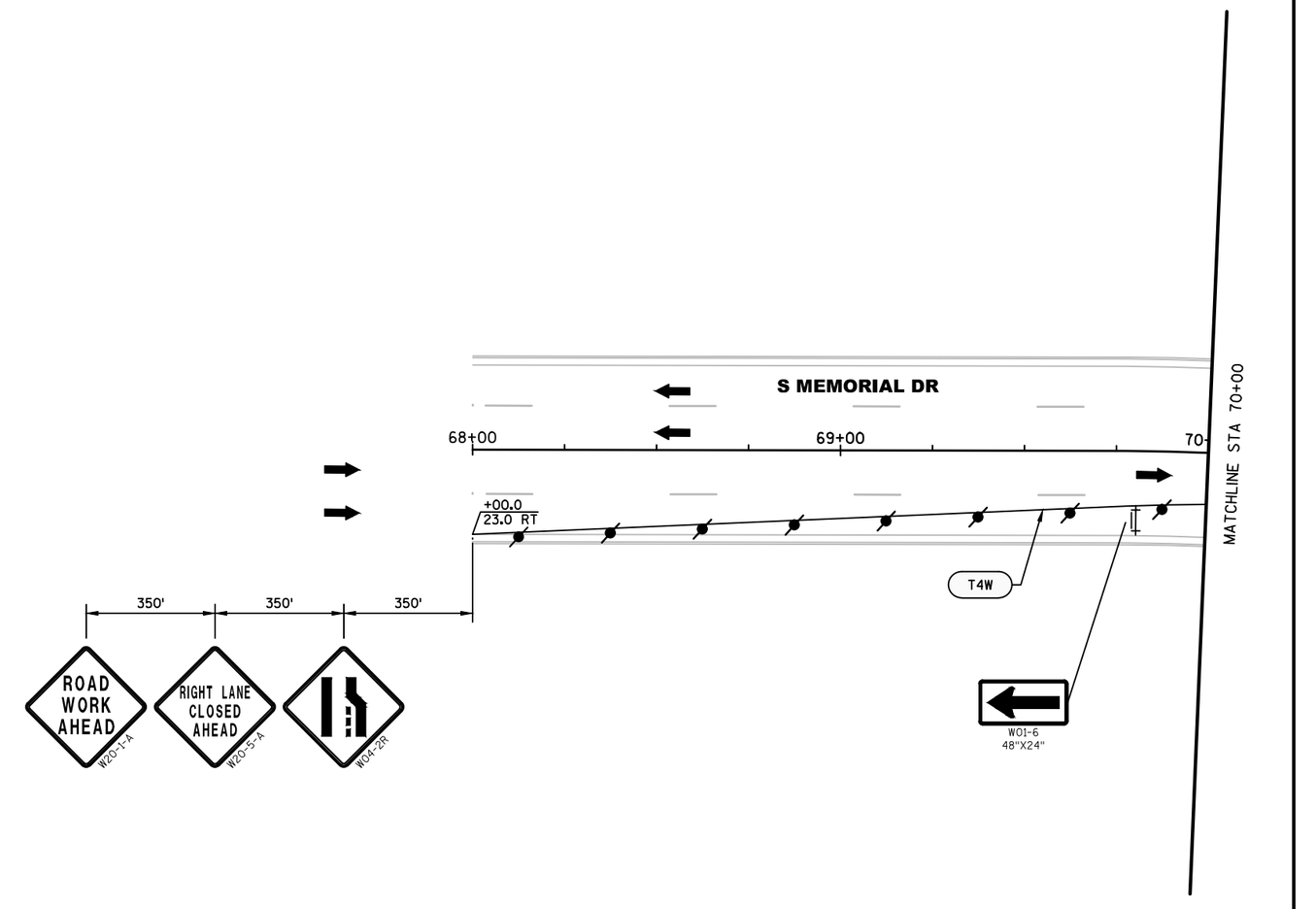
N



PROJECT NO:2260-08-70	HWY:STH 11	COUNTY:RACINE	TRAFFIC CONTROL - STAGE 1A	SHEET 110	E

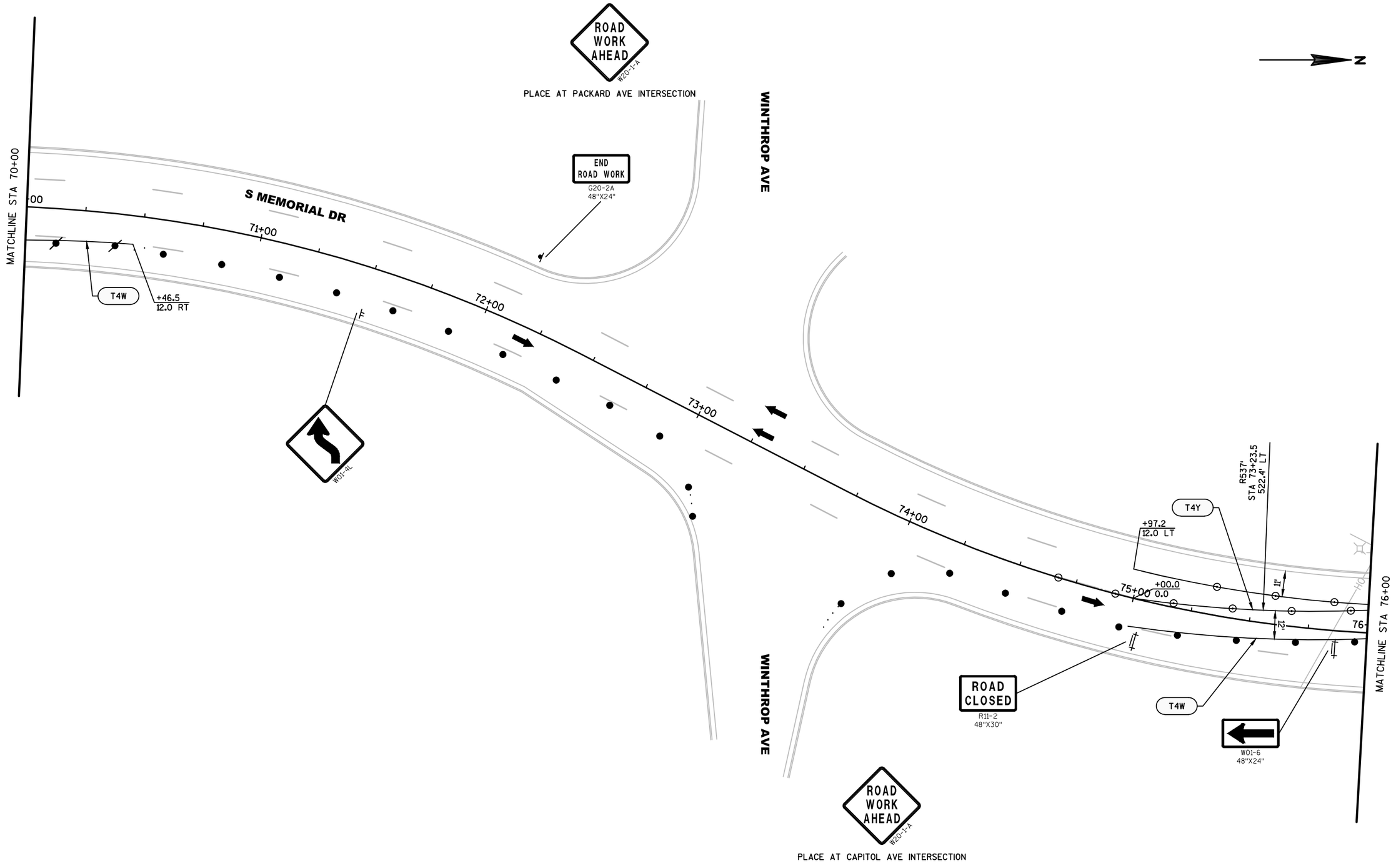
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025002-TC-1A.DWG
LAYOUT NAME - 025002-TC-1A - 05
PLOT DATE : 4/27/2021 11:19 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B	SHEET 111	E

2



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B	SHEET 112	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025003-TC-1B.DWG
LAYOUT NAME - 025003-TC-1B - 02
PLOT DATE : 4/27/2021 11:20 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

HAMILTON AVE

S MEMORIAL DR

GLENDALE AVE

CAPITOL AVE

DURAND AVE/STH 11

MATCHLINE STA 76+00

MATCHLINE STA 82+00

TEMPORARY PEDESTRIAN BARRICADE

SIDEWALK CLOSED
R9-9
24"X12"

MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.
W6-4
12"X18"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

STOP
R1-1
30"X30"

W01-6
48"X24"

R3-2
24"X24"

T4Y-D

T4W

+25.0
12.0 LT

+57.2
11.5 LT

+57.2
11.0 LT

+42.0
11.0 LT

TSL

12'

11'

158+00

160+00

161+00

76+00

77+00

78+00

79+00

80+00

81+00

82+00

LANE CLOSED
R11-2-L
48"X30"

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"

R3-1
24"X24"

ROAD CLOSED
R11-2
48"X30"

ROAD WORK AHEAD
W20-1-A

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B	SHEET 113	E

2

N

MATCHLINE STA 82+00

T4Y-D

+50.7
11.0 LT

T4Y

W01-6
48"X24"

+50.0
12.0 LT

(6")

11'

83+00

+37.6
0.0

+85.0
0.0

84+00

S MEMORIAL DR

85+00

86+00

87+00

88+

LANE CLOSED
R11-2-L
48"X30"

T4W

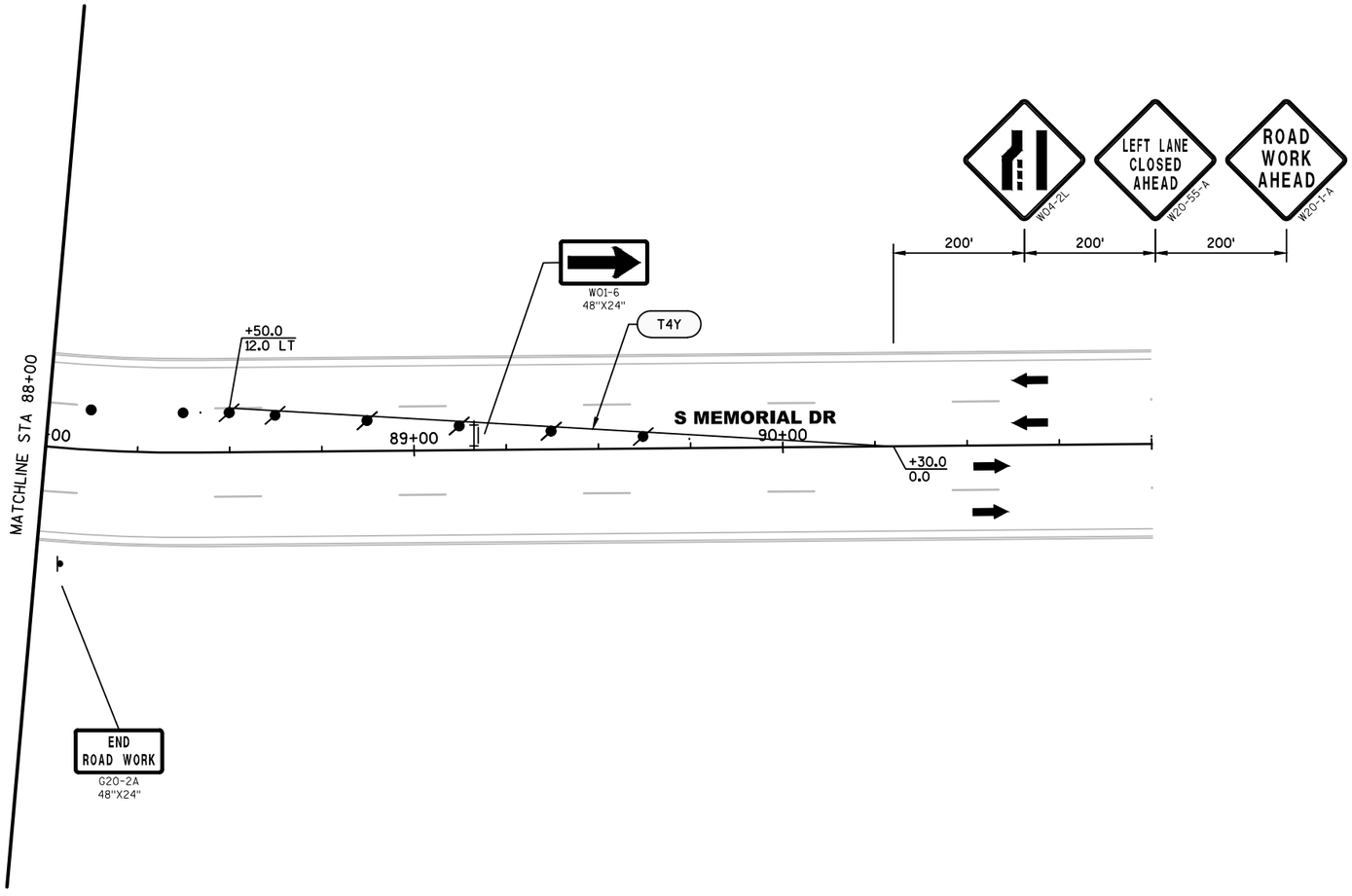
MATCHLINE STA 88+00

OH
G
W
E
SAN
CONC
ASPH
MH

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B	SHEET 114	E

2

N

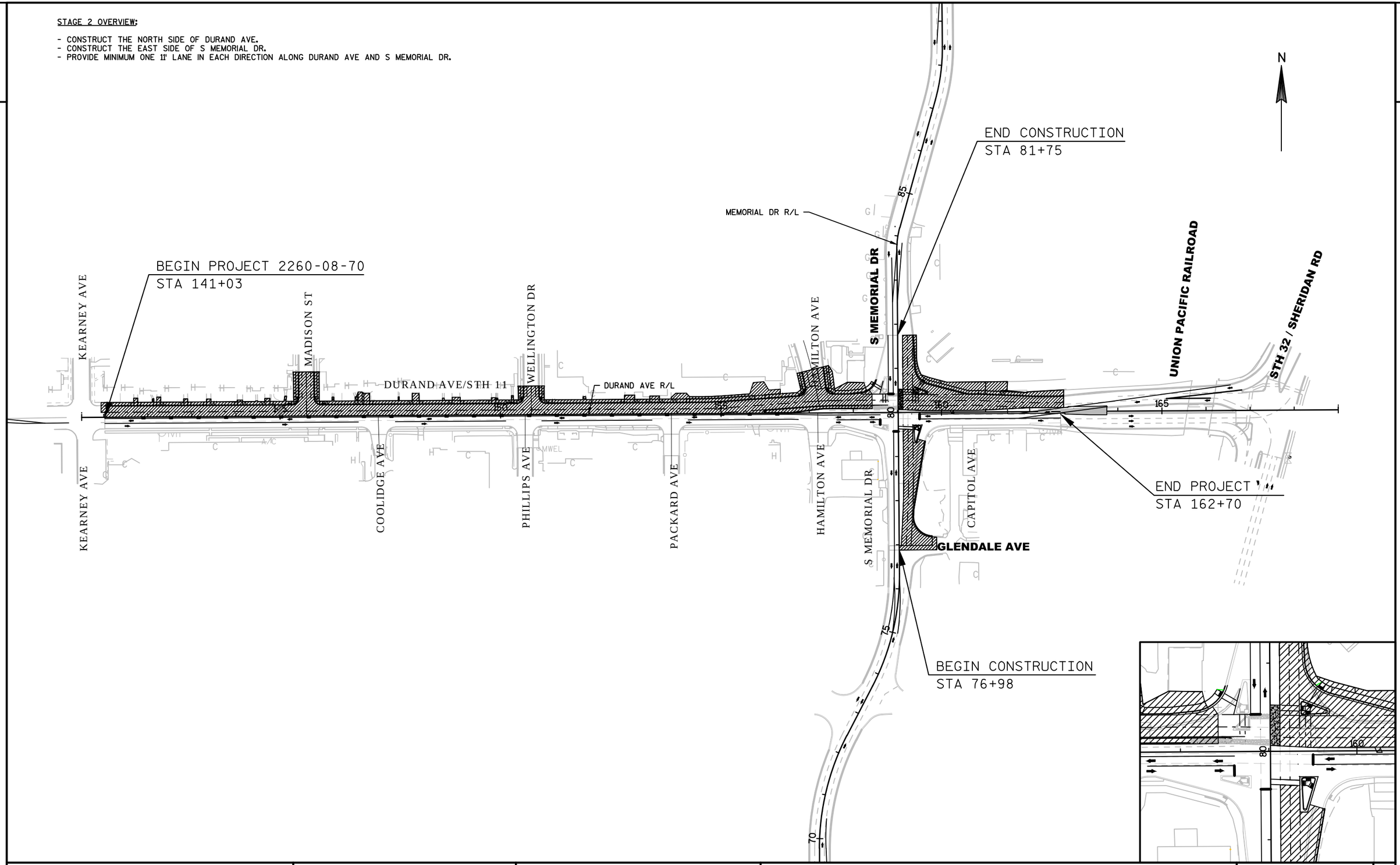


PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1B	SHEET 115	E

2

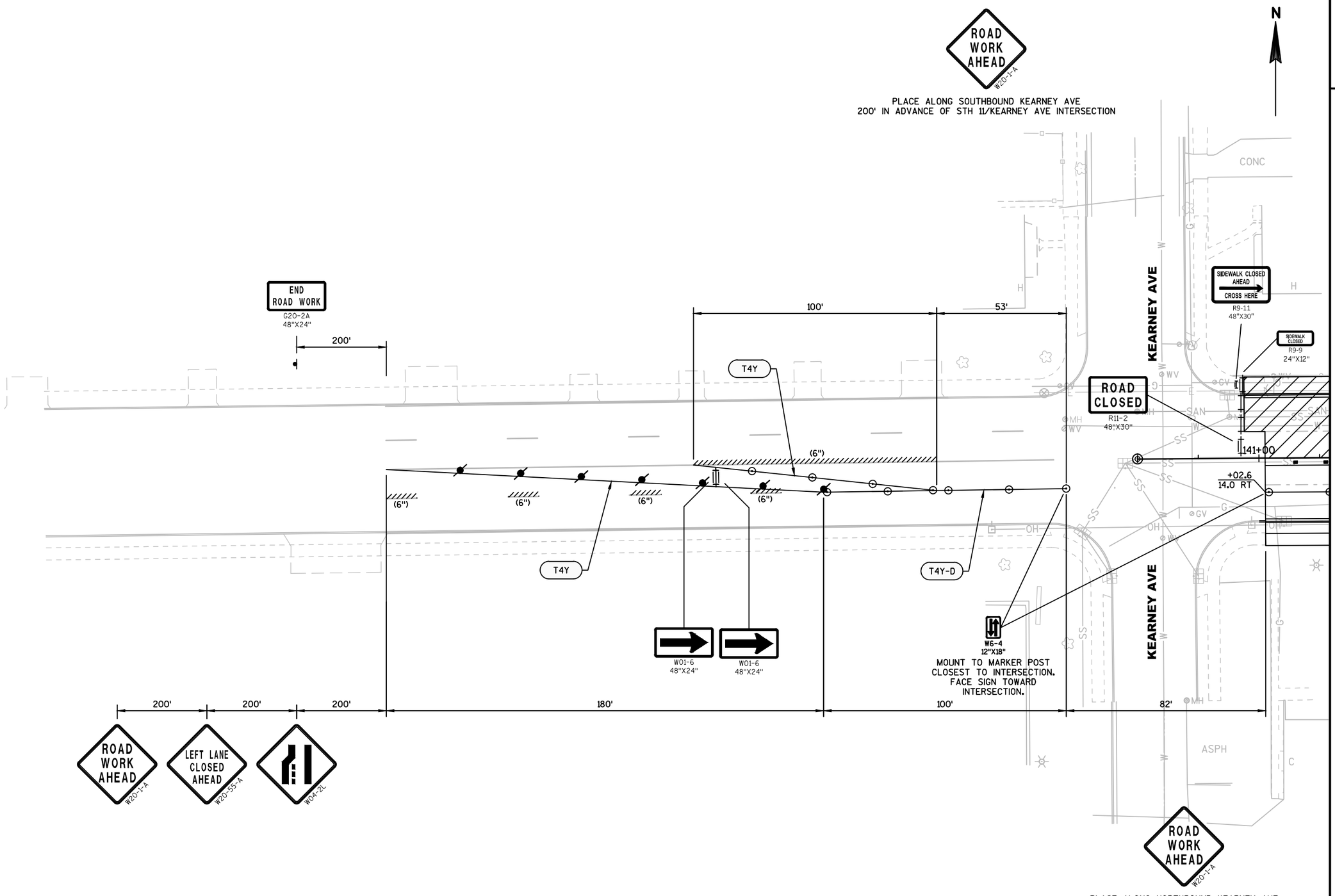
STAGE 2 OVERVIEW:

- CONSTRUCT THE NORTH SIDE OF DURAND AVE.
- CONSTRUCT THE EAST SIDE OF S MEMORIAL DR.
- PROVIDE MINIMUM ONE 11' LANE IN EACH DIRECTION ALONG DURAND AVE AND S MEMORIAL DR.



PROJECT NO:2260-08-70	HWY:STH 11	COUNTY:RACINE	TRAFFIC CONTROL OVERVIEW - STAGE 2	SHEET 116	E

2



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 117	E

SEE THE FOLLOWING DETAILS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS:
- SIDEROAD PEDESTRIAN DETOUR
- TEMPORARY PEDESTRIAN ACCOMMODATIONS CROSSING DURAND AVE

ROAD CLOSED AHEAD W20-3-A

PLACE AT DWIGHT ST INTERSECTION

ROAD CLOSED R11-2 48"X30"

MADISON ST

N

KEARNEY AVE

SIDEWALK CLOSED AHEAD CROSS HERE R9-11 48"X30"

SIDEWALK CLOSED R9-9 24"X12"

W01-4R

ROAD CLOSED R11-2 48"X30"

53'

141+00 142+00 143+00 144+00 145+00 146

DURAND AVE/STH 11

+02.6
14.0 RT

11' 11'

MATCHLINE STA 146+00

T4W

T4Y-D

W6-4
12"X18"
MARKER POST
TO INTERSECTION.
SIGN TOWARD
ERSECTION.

KEARNEY AVE

82'

W06-3

R3-2
24"X24"

SIDEWALK CLOSED R9-9 24"X12"

REMOVE WHEN CURB RAMP IS USED AS PART OF PEDESTRIAN DETOUR ROUTE.

ROAD WORK AHEAD W20-1-A

PLACE ALONG NORTHBOUND KEARNEY AVE
200' IN ADVANCE OF STH 11/KEARNEY AVE INTERSECTION

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 118	E

SEE THE FOLLOWING DETAILS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS:
- SIDEROAD PEDESTRIAN DETOUR
- TEMPORARY PEDESTRIAN ACCOMMODATIONS CROSSING DURAND AVE

N

ROAD CLOSED AHEAD
W20-3-A
PLACE AT DWIGHT ST INTERSECTION

WELLINGTON DR

ROAD CLOSED
R11-2
48"X30"

R3-1
24"X24"

DO NOT PASS
R4-1
24"X30"

W6-3

R3-1
24"X24"

MATCHLINE STA 146+00

MATCHLINE STA 152+00

DURAND AVE/STH 11

146+00 147+00 148+00 149+00 150+00 151+00 152

11' 11'

T4W

T4Y-D

+77.6
14.0 RT

+61.6
14.0 RT

+11.6
14.0 RT

+93.5
14.0 RT

DO NOT PASS
R4-1
24"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

SIDEWALK CLOSED
R9-9
24"X12"

W6-3

W6-4
12"X18"
MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

COOLIDGE AVE

PLACE AT WINTHROP AVE INTERSECTION

ROAD WORK AHEAD
W20-1-A

PHILLIPS AVE

REMOVE WHEN CURB RAMP IS USED AS PART OF PEDESTRIAN DETOUR ROUTE.

PLACE AT WINTHROP AVE INTERSECTION

ROAD CLOSED AHEAD
W20-3-A

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 119	E

SEE THE FOLLOWING DETAILS FOR TEMPORARY PEDESTRIAN ACCOMMODATIONS:
- SIDEROAD PEDESTRIAN DETOUR
- TEMPORARY PEDESTRIAN ACCOMMODATIONS CROSSING DURAND AVE

MATCHLINE STA 152+00

MATCHLINE STA 158+00

DURAND AVE/STH 11

153+00 154+00 155+00 156+00 157+00 158

DO NOT PASS
R4-1
24"X30"

W6-3

ROAD CLOSED AHEAD
W20-3-A
PLACE AT LYDIAN DR INTERSECTION

ROAD CLOSED AHEAD
W20-3-A
PLACE AT WELLINGTON DR INTERSECTION

ROAD CLOSED
R11-2
48"X30"

HAMILTON AVE

+25.3
14.0 RT

+62.6
16.0 RT

+43.5
14.0 RT

+75.3
14.4 RT

T4W

T4Y-D

DO NOT PASS
R4-1
24"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

W6-4
12"X18"
MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

PACKARD AVE

PLACE AT WINTHROP AVE INTERSECTION

ROAD WORK AHEAD
W20-1-A

HAMILTON AVE

PLACE AT WINTHROP AVE INTERSECTION

ROAD CLOSED AHEAD
W20-3-A

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 120	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025004-TC-2.DWG
LAYOUT NAME - 025004-TC-2 - 04

PLOT DATE : 4/27/2021 11:22 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

SEE S MEMORIAL DR STAGES 2A AND 2B TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

N

MATCHLINE STA 158+00

MATCHLINE STA 164+00

S MEMORIAL DR

DURAND AVE/STH 11

CAPITOL AVE

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

STOP
R1-1
30"X30"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

W6-4
12"X18"

MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

W6-3

SIDEWALK CLOSED
R9-9
24"X12"

W01-6
48"X24"

T4W

T4Y-D

T4Y

TSL

TEMPORARY PEDESTRIAN BARRICADE

+61.0
16.0 RT

+50.3
15.0 RT

+70.0
15.0 RT

+75.7
15.0 RT

+75.0
20.9 LT

+76.4
10.0 LT

XXXXXXXXXX
(4")

81+00

80+00

79+00

78+00

158+00

160+00

161+00

162+00

163+00

164

11'

14'

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 121	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025004-TC-2.DWG
LAYOUT NAME - 025004-TC-2 - 05

PLOT DATE : 4/27/2021 11:22 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

MATCHLINE STA 164+00

LANE CLOSED
R11-2-L
48"X30"

W01-4L

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

YIELD
R1-2
36"X31"

W04-1R

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11
48"X30"

+55.8
57.8 LT

+81.3
46.4 LT

+10.2
27.6 LT

(10")
(6")

165+00
166+00
167+00
168+00

STH 11/DURAND AVE

STH 32 / SHERIDAN RD

END ROAD WORK
G20-2A
48"X24"

LANE CLOSED
R11-2-L
48"X30"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

W03-2

ROAD WORK AHEAD
W20-1-A

PLACE ALONG SOUTHBOUND STH 32
200' IN ADVANCE OF STH 11/STH 32 INTERSECTION

N

ROAD WORK AHEAD
W20-1-A

PLACE ALONG NORTHBOUND STH 32 IN THE MEDIAN AND ON THE OUTSIDE
200' IN ADVANCE OF LEFT-TURN LANE TAPER

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

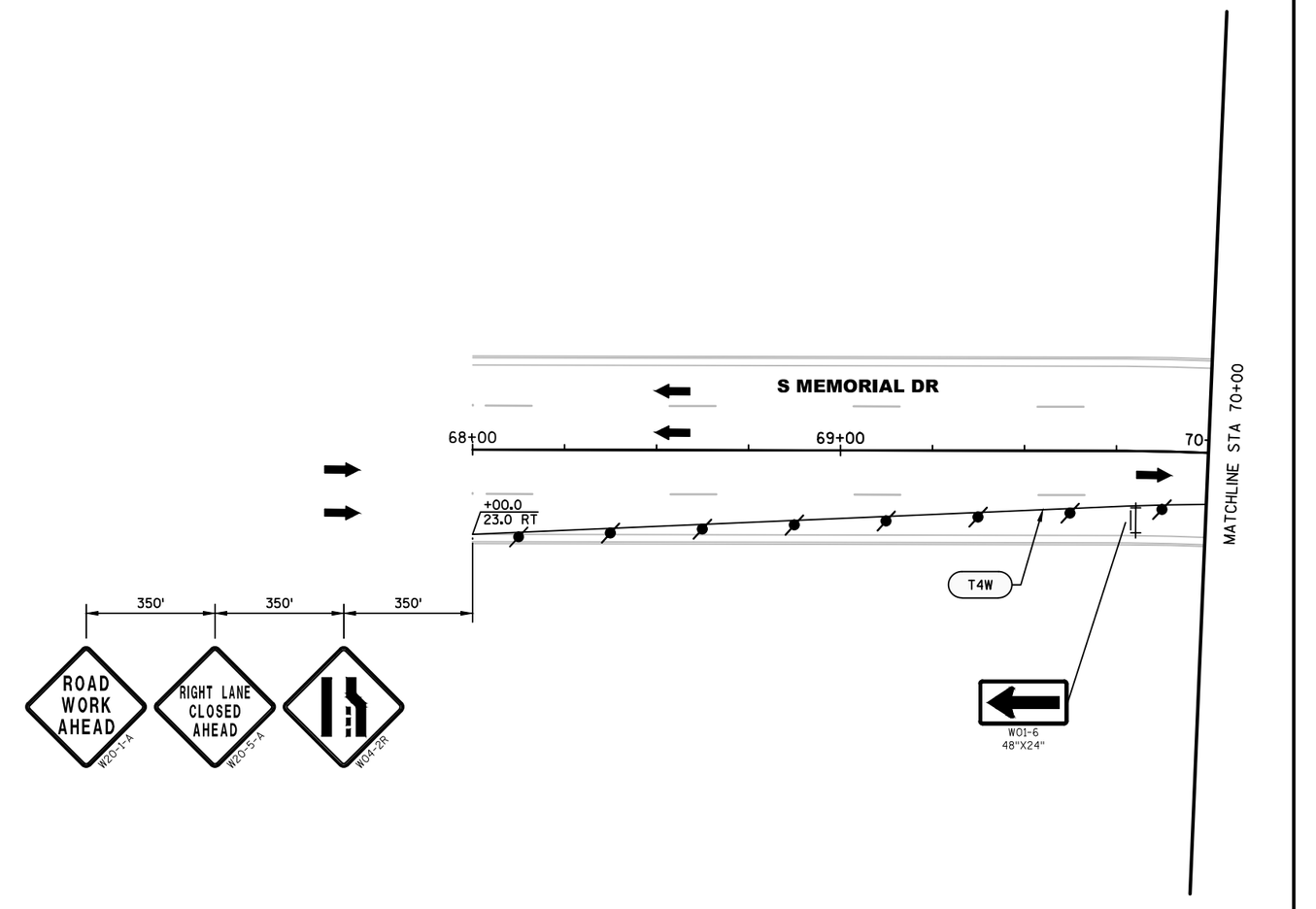
STH 11 / DURAND AVE

STH 32 / SHERIDAN RD

125'

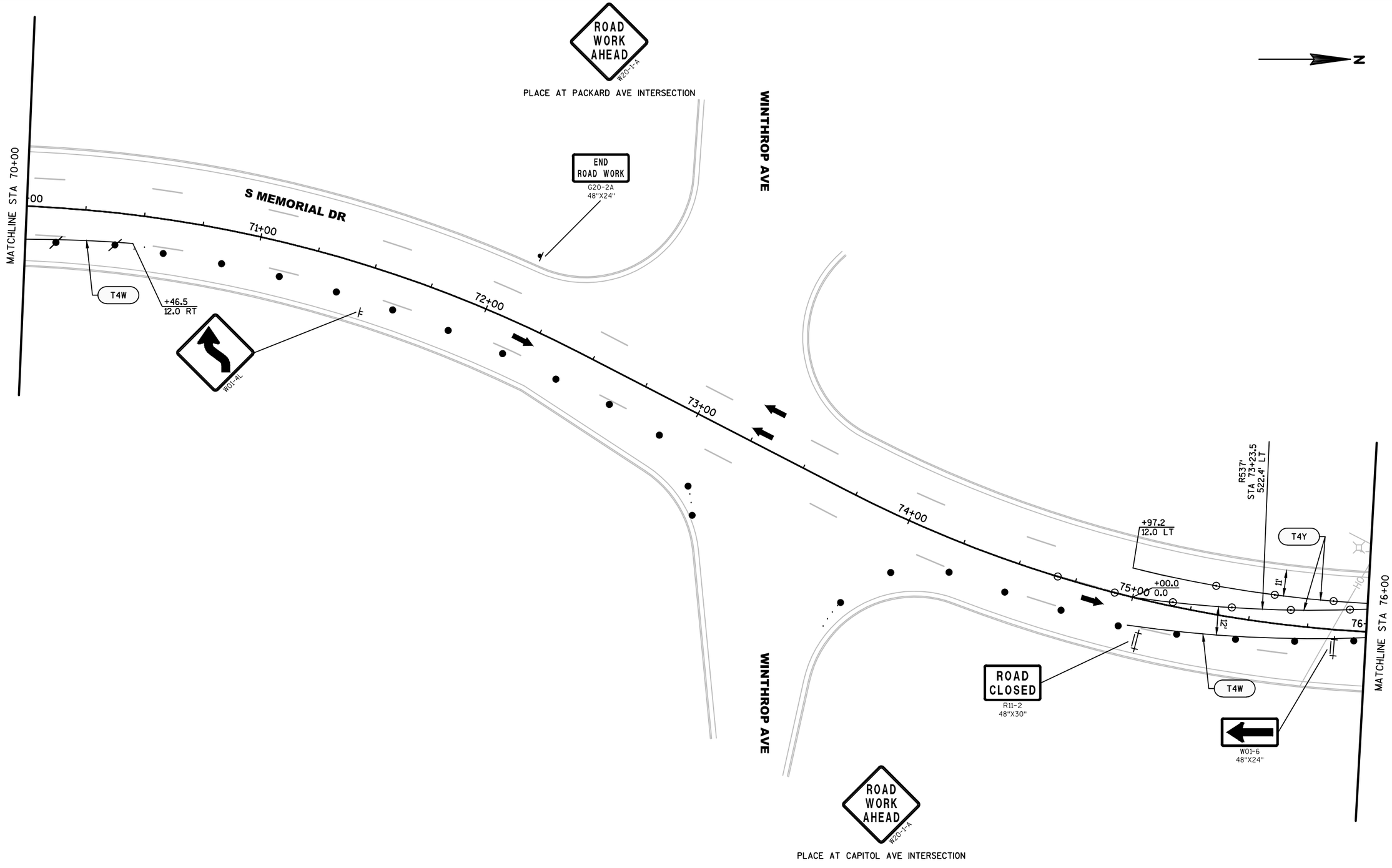
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 122	E

2



PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A	SHEET 123	E

2



PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A	SHEET 124	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025005-TC-2A.DWG
LAYOUT NAME - 025005-TC-2A - 02
PLOT DATE : 4/27/2021 11:23 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

59+00

HAMILTON AVE

N

SEE DURAND AVE STAGE 2 TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

STOP
R1-1
30"X30"

W6-4
12"X18"

ROAD CLOSED
R11-2
48"X30"

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"

MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

W6-4
12"X18"

R3-2
24"X24"

MATCHLINE STA 76+00

MATCHLINE STA 82+00

T4Y-D

T4W

+25.0
12.0 LT

+88.0
11.0 LT

+57.2
11.0 LT

TSL

+42.0
11.0 LT

12'

11'

S MEMORIAL DR

77+00

78+00

79+00

80+00

81+00

82+00

158+00

160+00

162+00

ASPH

CONC

SS

OH

ROAD CLOSED
R11-2
48"X30"

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

STOP
R1-1
30"X30"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

W20-1-4R

GLENDALE AVE

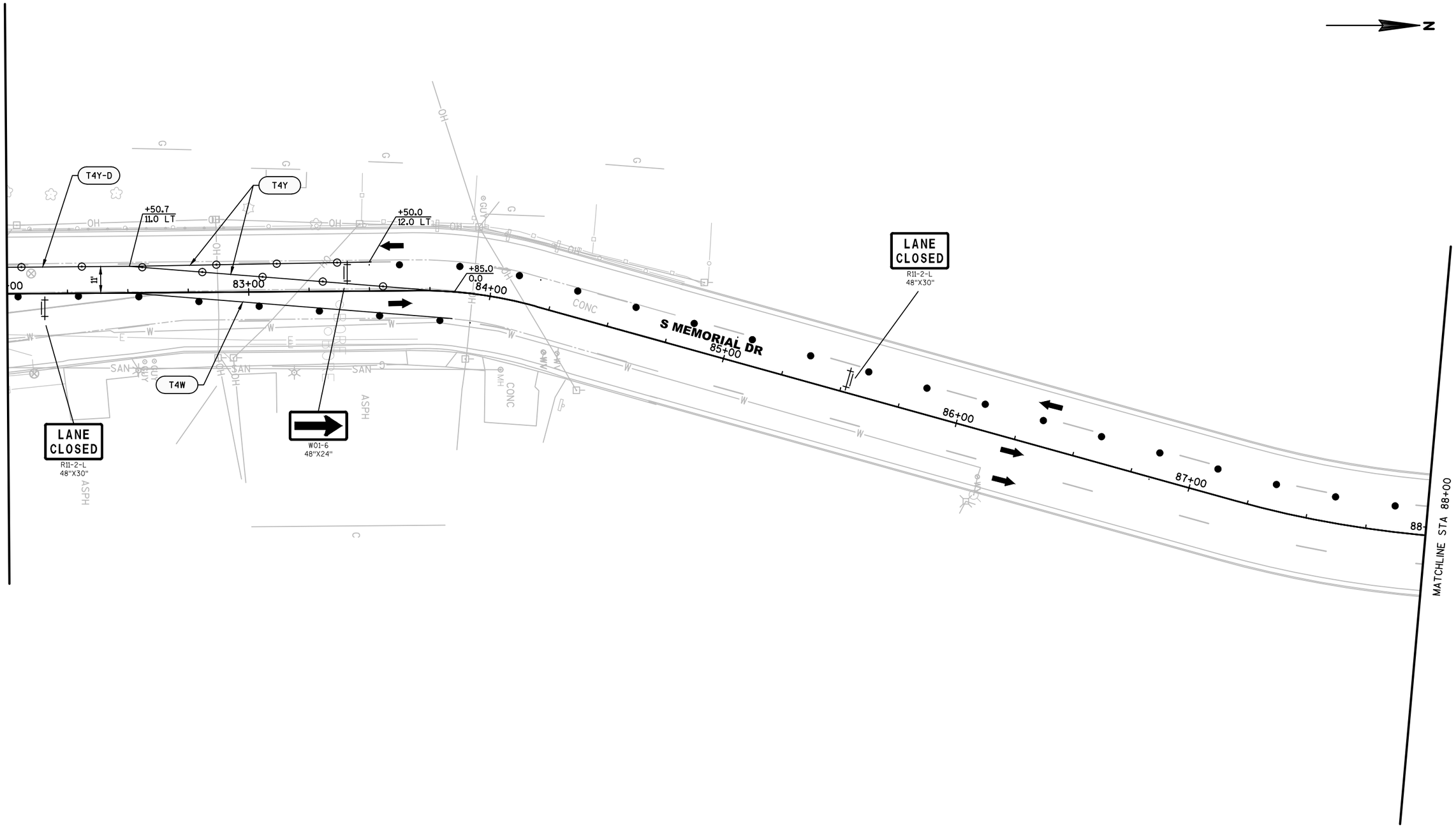
CAPITOL AVE

DURAND AVE/STH 11

ROAD WORK AHEAD
W20-1-4

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A	SHEET 125	E

2



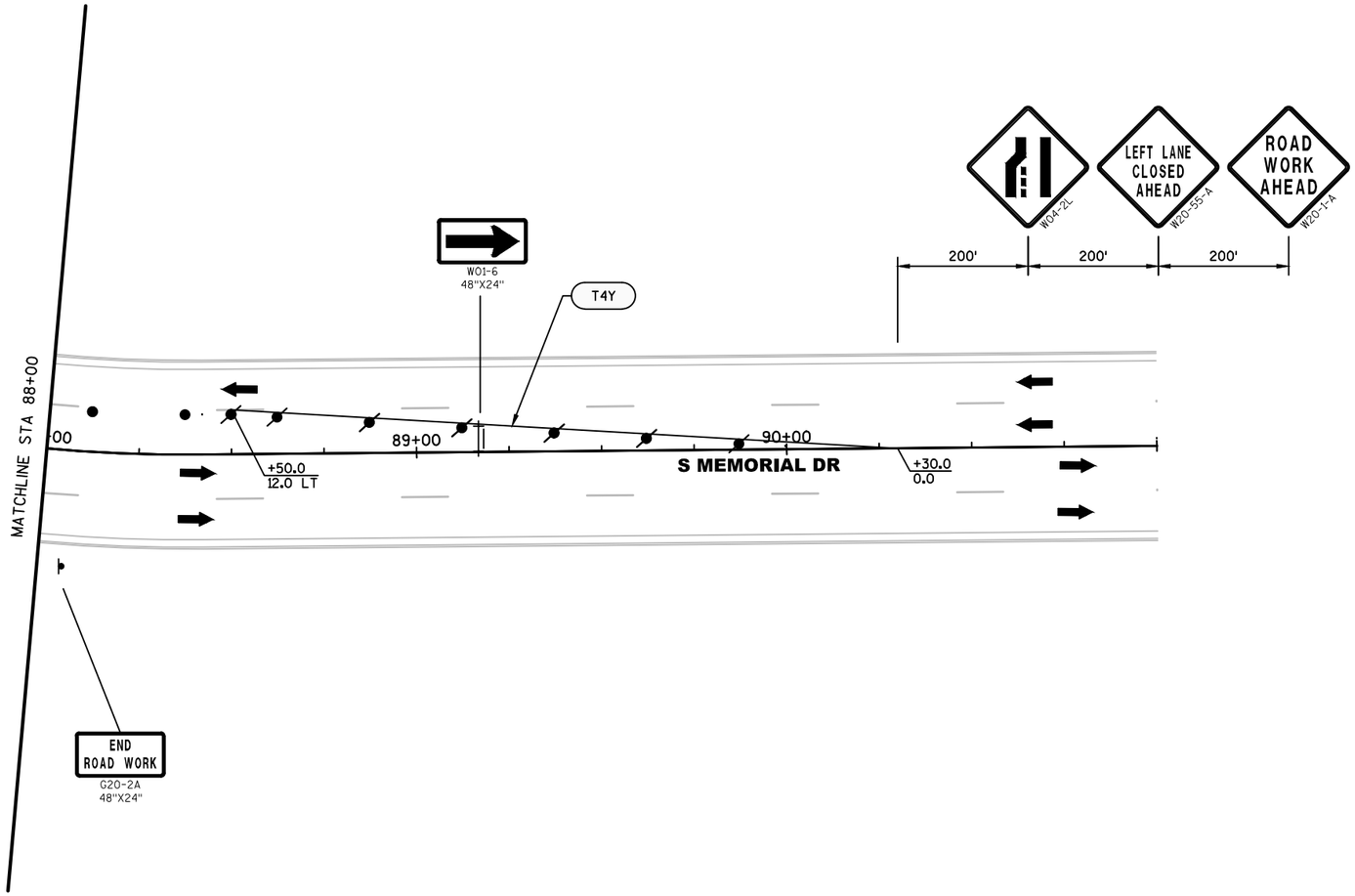
PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A	SHEET 126	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025005-TC-2A.DWG
LAYOUT NAME - 025005-TC-2A - 04

PLOT DATE : 4/27/2021 11:23 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

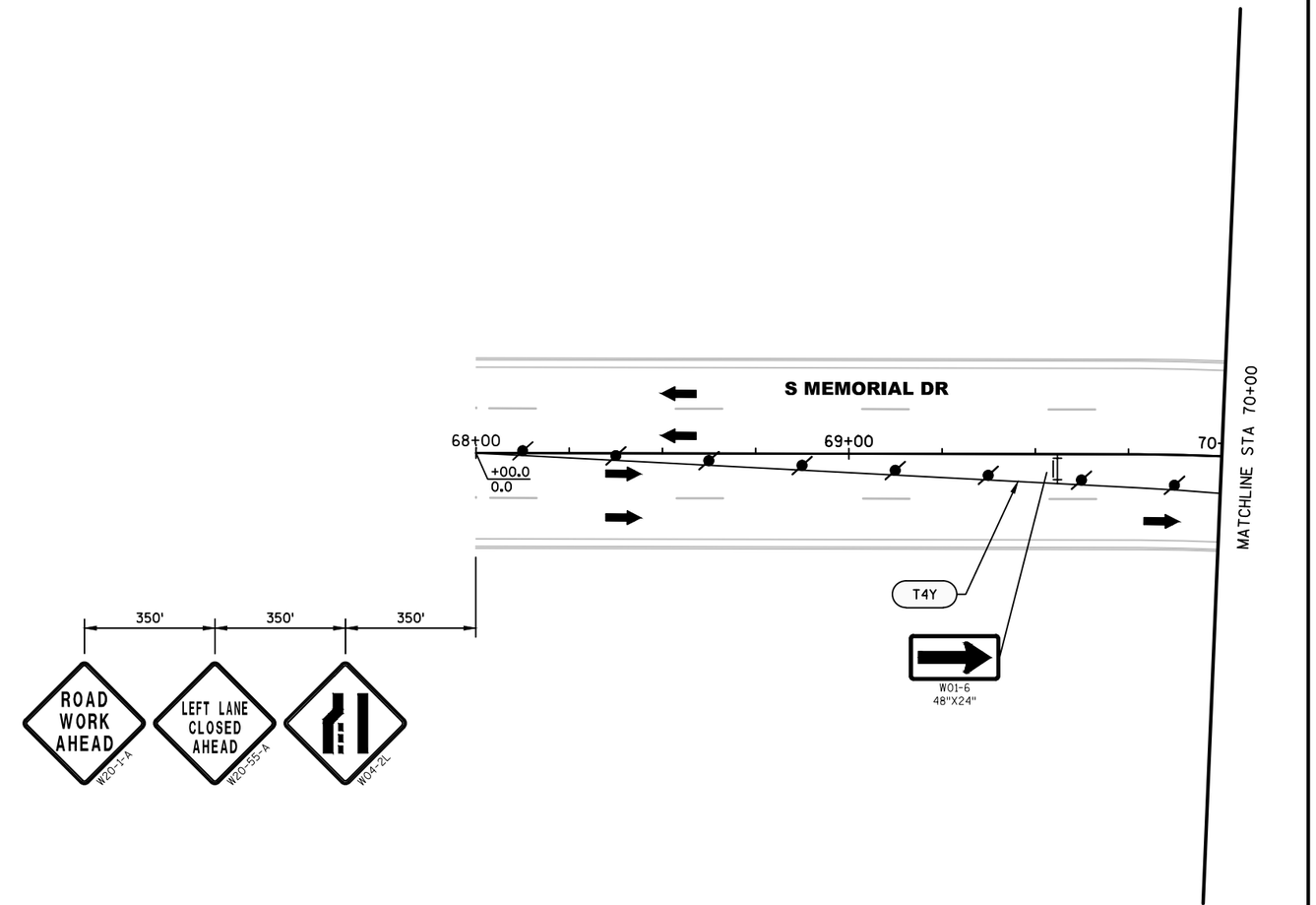
N



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2A	SHEET 127	E

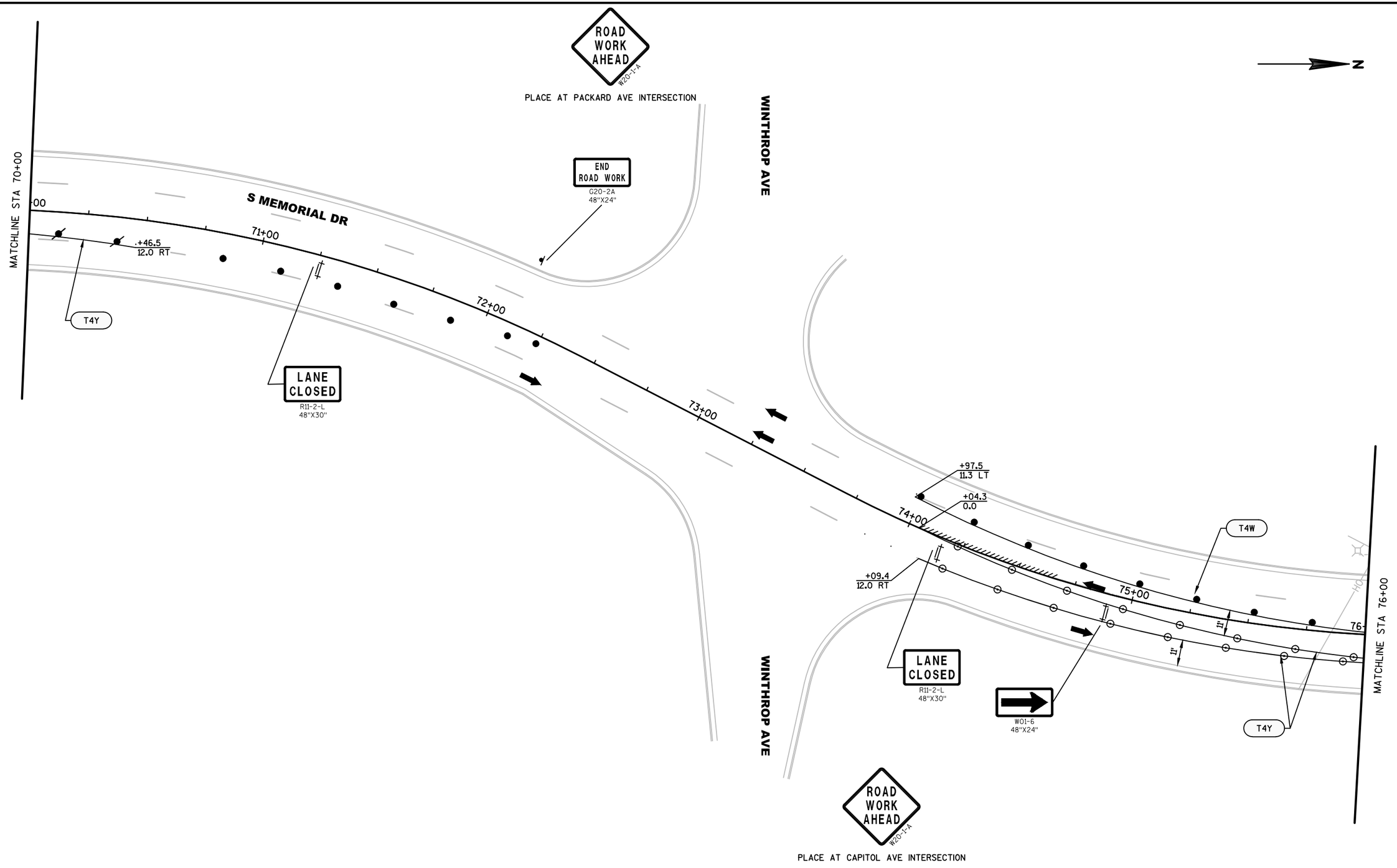
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025005-TC-2A.DWG
LAYOUT NAME - 025005-TC-2A - 05
PLOT DATE : 4/27/2021 11:23 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO:2260-08-70	HWY:STH 11	COUNTY:RACINE	TRAFFIC CONTROL - STAGE 2B	SHEET 128	E

2



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2B	SHEET 129	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025006-TC-2B.DWG
LAYOUT NAME - 025006-TC-2B - 02
PLOT DATE : 4/27/2021 11:24 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2

59+00

HAMILTON AVE

N

SEE DURAND AVE STAGE 2 TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

STOP
R1-1
30"X30"

MATCHLINE STA 76+00

MATCHLINE STA 82+00

S MEMORIAL DR

77+00

78+00

79+00

80+00

81+00

82+00

158+00

160+00

162+00

T4W

T4Y-D

+31.0
11.8 RT

+54.4
13.1 RT

+67.3
19.7 RT

+29.2
22.0 RT

+54.2
22.0 RT

+58.1
22.0 RT

+75.7
22.0 RT

TSL

W6-4
12"X18"

MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

STOP
R1-1
30"X30"
16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

GLENDALE AVE

CAPITOL AVE

DURAND AVE/STH 11

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"
16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

ROAD WORK AHEAD
W20-1-A

SIDEWALK CLOSED
R9-9
24"X12"

W6-4
12"X18"

MOUNT TO MARKER POST CLOSEST TO INTERSECTION. FACE SIGN TOWARD INTERSECTION.

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2B	SHEET 130	E

2

N

W01-6
48"X24"

T4W

T4Y-D

MATCHLINE STA 82+00

83+00

84+00

85+00

86+00

87+00

88+00

S MEMORIAL DR

W01-4L

LANE CLOSED
R11-2-L
48"X30"

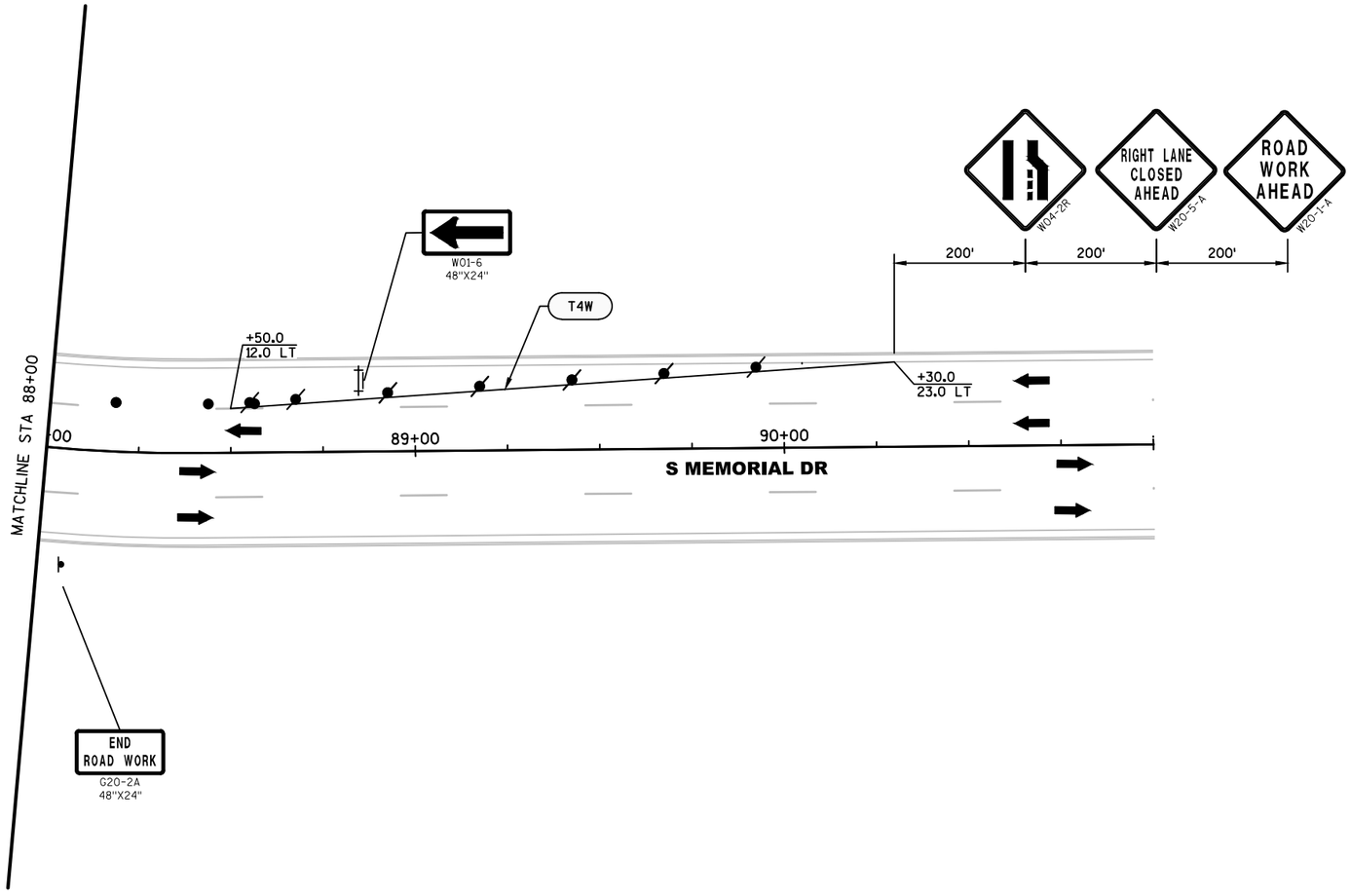
MATCHLINE STA 88+00

+40.7
0.0

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2B	SHEET 131	E

2

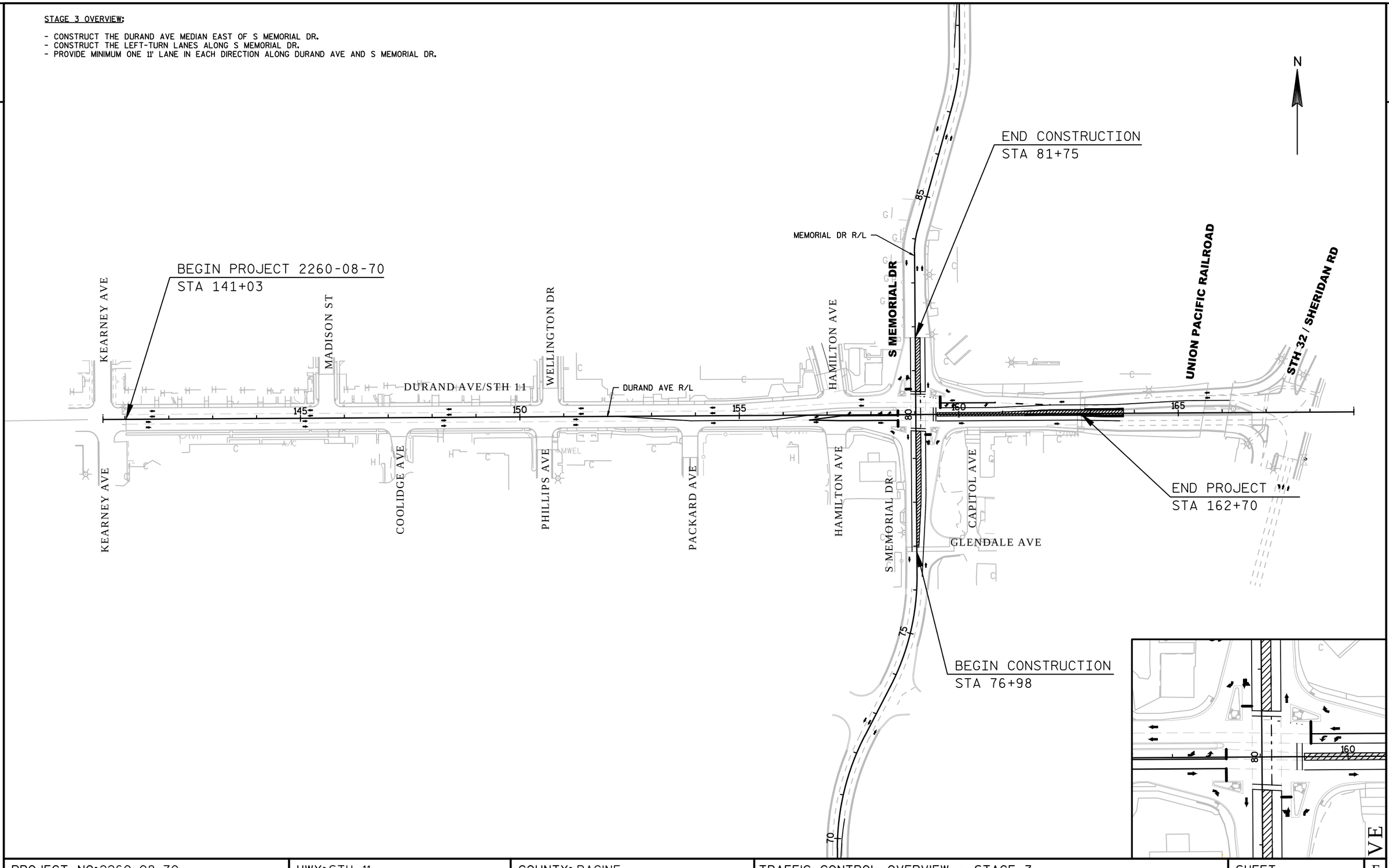
N



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2B	SHEET 132	E

STAGE 3 OVERVIEW:

- CONSTRUCT THE DURAND AVE MEDIAN EAST OF S MEMORIAL DR.
- CONSTRUCT THE LEFT-TURN LANES ALONG S MEMORIAL DR.
- PROVIDE MINIMUM ONE 11' LANE IN EACH DIRECTION ALONG DURAND AVE AND S MEMORIAL DR.



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL OVERVIEW - STAGE 3	SHEET 133	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\026103-S3.DWG
LAYOUT NAME - 026103-S3
PLOT DATE : 4/27/2021 11:24 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2

NO TRAFFIC CONTROL DEVICES WEST OF STA 152+00 EXCEPT FOR ADVANCED WARNING SIGNS

MATCHLINE STA 158+00

DURAND AVE/STH 11

HAMILTON AVE

PACKARD AVE

HAMILTON AVE

153+00 154+00 155+00 156+00 157+00

+25.0 0.0

+90.0 11.0 RT

+71.3 11.0 RT

+59.9 11.0 RT

+32.0 2.0 RT

+31.2 13.0 RT

T4Y

T8W

TARROW

END ROAD WORK
G20-2A
48"X24"

W01-6
48"X24"

R3-2
24"X24"

ONE WAY
R6-2-R
24"X30"

ONE WAY
R6-1-R
36"X12"

R3-2
24"X24"

LANE CLOSED
R11-2-L
48"X30"

TRUCK
M4-4
24"X12"

NO TURNS
R3-3
24"X24"

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

BEGIN LEFT TURN LANE
R3-20-L
24"X36"

BEGIN RIGHT TURN LANE
R3-20-R
24"X36"

LANE CLOSED
R11-2-L
48"X30"

200' 200' 200'

ROAD WORK AHEAD
W20-1-A

RIGHT LANE CLOSED AHEAD
W20-5-A

W04-2R

N

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 134	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025007-TC-3.DWG
LAYOUT NAME - 025007-TC-3 - 03

PLOT DATE : 4/27/2021 11:25 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

SEE S MEMORIAL DR STAGE 3 TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

TRUCK M4-4 24"X12"
NO TURNS R3-3 24"X24"
16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS
TEMPORARY PEDESTRIAN BARRICADE (TYP)
W01-6 48"X24"
STOP R1-1 30"X30"
BEGIN RIGHT TURN LANE R3-20-R 24"X36"
BEGIN LEFT TURN LANE R3-20-L 24"X36"
LANE CLOSED R11-2-L 48"X30"
3' LINE 9' GAP
T8W
TARROW
T4Y
TSL
S MEMORIAL DR
DURAND AVE/STH 11
CAPITOL AVE
MATCHLINE STA 158+00
MATCHLINE STA 164+00
81+00
80+00
79+00
78+00
158+00
159+00
160+00
161+00
162+00
163+00
164
+61.2 2.0 RT
+61.2 13.0 RT
+57.9 15.0 LT
+83.2 26.0 LT
+82.9 15.0 LT
+08.1 20.0 LT
+57.0 20.0 LT
+70.0 15.0 RT
+66.8 17.0 RT
+50.3 15.0 RT
14'
11'
N

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 135	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025007-TC-3.DWG
LAYOUT NAME - 025007-TC-3 - 04
PLOT DATE : 4/29/2021 4:49 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

MATCHLINE STA 164+00

LANE CLOSED
R11-2-L
48"X30"

W01-6
48"X24"

T4Y

+19.4
28.0 LT

+16.4
27.9 LT

165+00

166+00

167+00

168+00

STH 32 / SHERIDAN RD

ROAD WORK AHEAD
W20-1-A

PLACE ALONG SOUTHBOUND STH 32
200' IN ADVANCE OF STH 11/STH 32 INTERSECTION

N

STH 11/DURAND AVE

END ROAD WORK
G20-2A
48"X24"

ASPH

CONC

SS

MH

W

G

F

FO

WV

N

ROAD WORK AHEAD
W20-1-A

PLACE ALONG NORTHBOUND STH 32 IN THE
MEDIAN AND ON THE OUTSIDE
200' IN ADVANCE OF LEFT-TURN LANE TAPER

BEGIN LEFT TURN LANE
R3-20-L
24"X36"

LANE CLOSED
R11-2-L
48"X30"

LANE CLOSED
R11-2-L
48"X30"

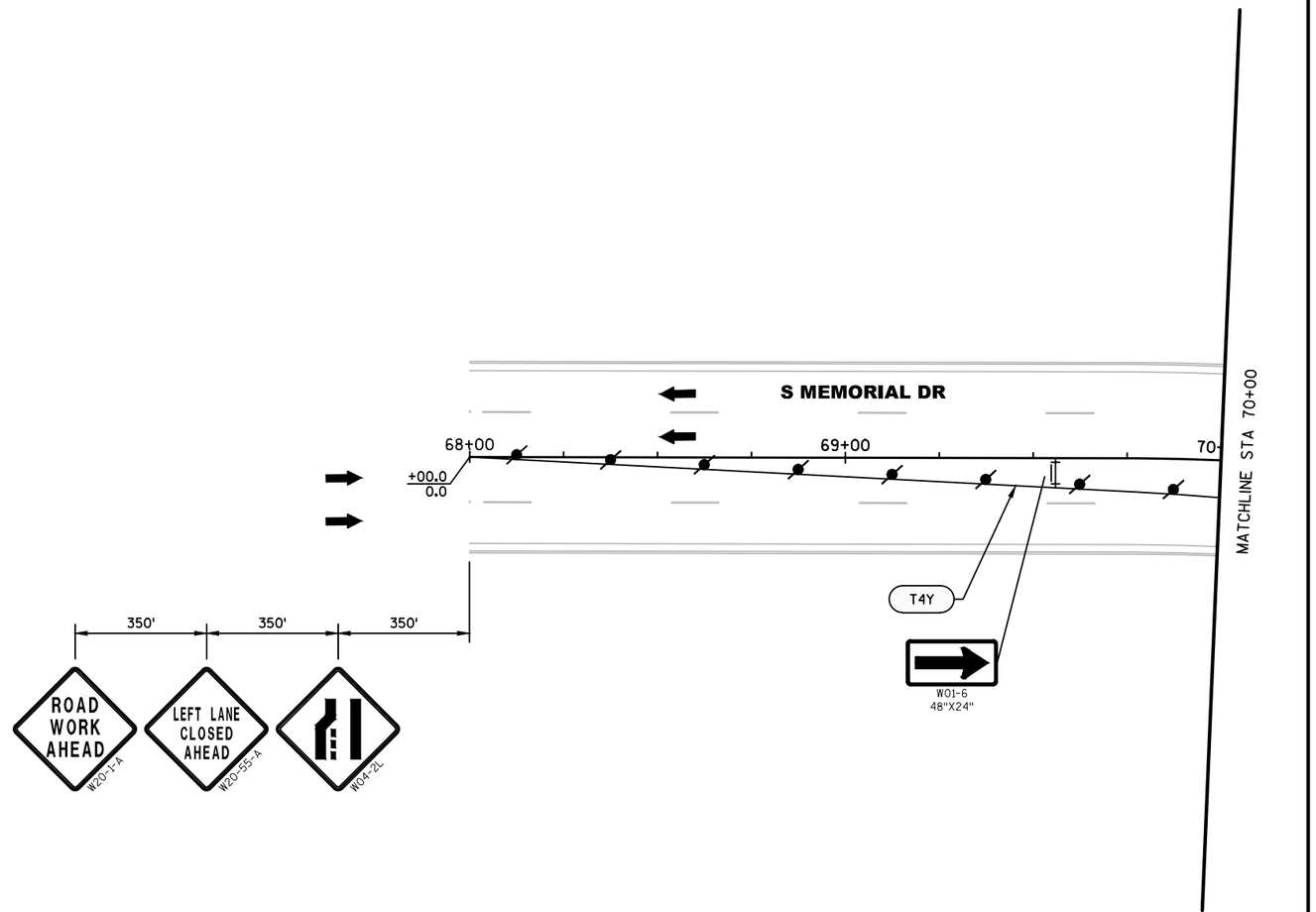
STH 11 / DURAND AVE

STH 32 / SHERIDAN RD

182'

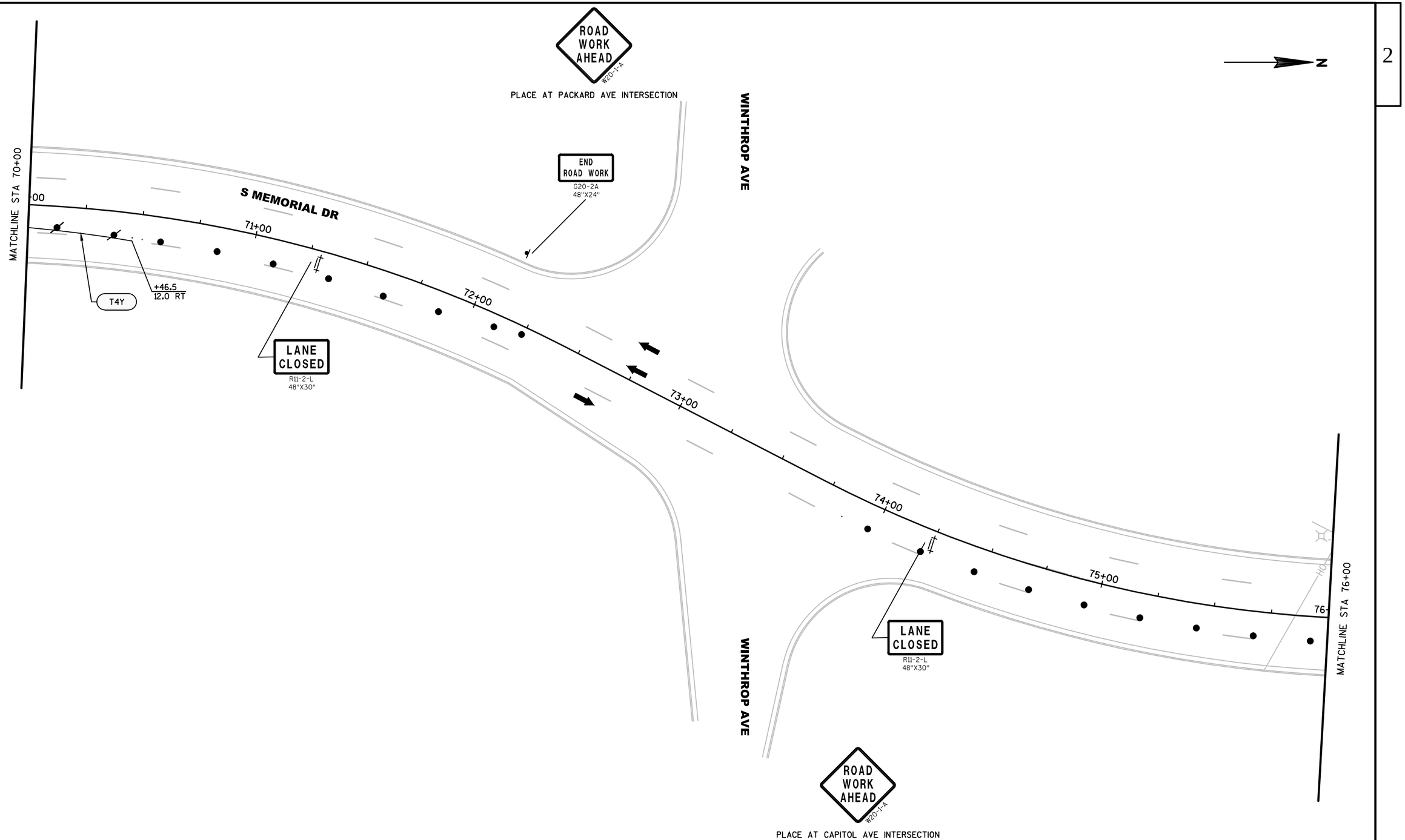
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 136	E

2



PROJECT NO:2260-08-70	HWY:STH 11	COUNTY:RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 137	E

2



PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 138	E

2

HAMILTON AVE

S MEMORIAL DR

GLENDALE AVE

CAPITOL AVE

DURAND AVE/STH 11

MATCHLINE STA 76+00

MATCHLINE STA 82+00

77+00 78+00 79+00 80+00 81+00

158+00 159+00

+88.0 11.0 LT

+63.2 11.0 LT

+54.2 22.0 RT

+58.0 11.0 LT

+75.0 11.0 LT

+75.0 22.0 RT

+51.8 22.0 RT

11'

TEMPORARY PEDESTRIAN BARRICADE

TSL

T4Y

SEE DURAND AVE STAGE 3 TRAFFIC CONTROL PLANS FOR ADDITIONAL SIGNS AND BARRICADES AT DURAND AVE/S MEMORIAL DR INTERSECTION

16"X16" FLAGS ARE INCIDENTAL TO TRAFFIC CONTROL SIGNS

LANE CLOSED
R11-2-L
48"X30"

R3-2
24"X24"

ROAD CLOSED
R11-2
48"X30"

ONE WAY
R6-2-R
24"X30"

ONE WAY
R6-1-R
36"X12"

BEGIN RIGHT TURN LANE
R3-20-R
24"X36"

TRUCK
M4-4
24"X12"

R3-1
24"X24"

STOP
R1-1
30"X30"

ROAD WORK AHEAD
W20-1-A

2

N

MATCHLINE STA 82+00

83+00

84+00

LANE CLOSED
R11-2-L
48"X30"

S MEMORIAL DR

85+00

11'

86+00

87+00

88+

MATCHLINE STA 88+00

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 140	E

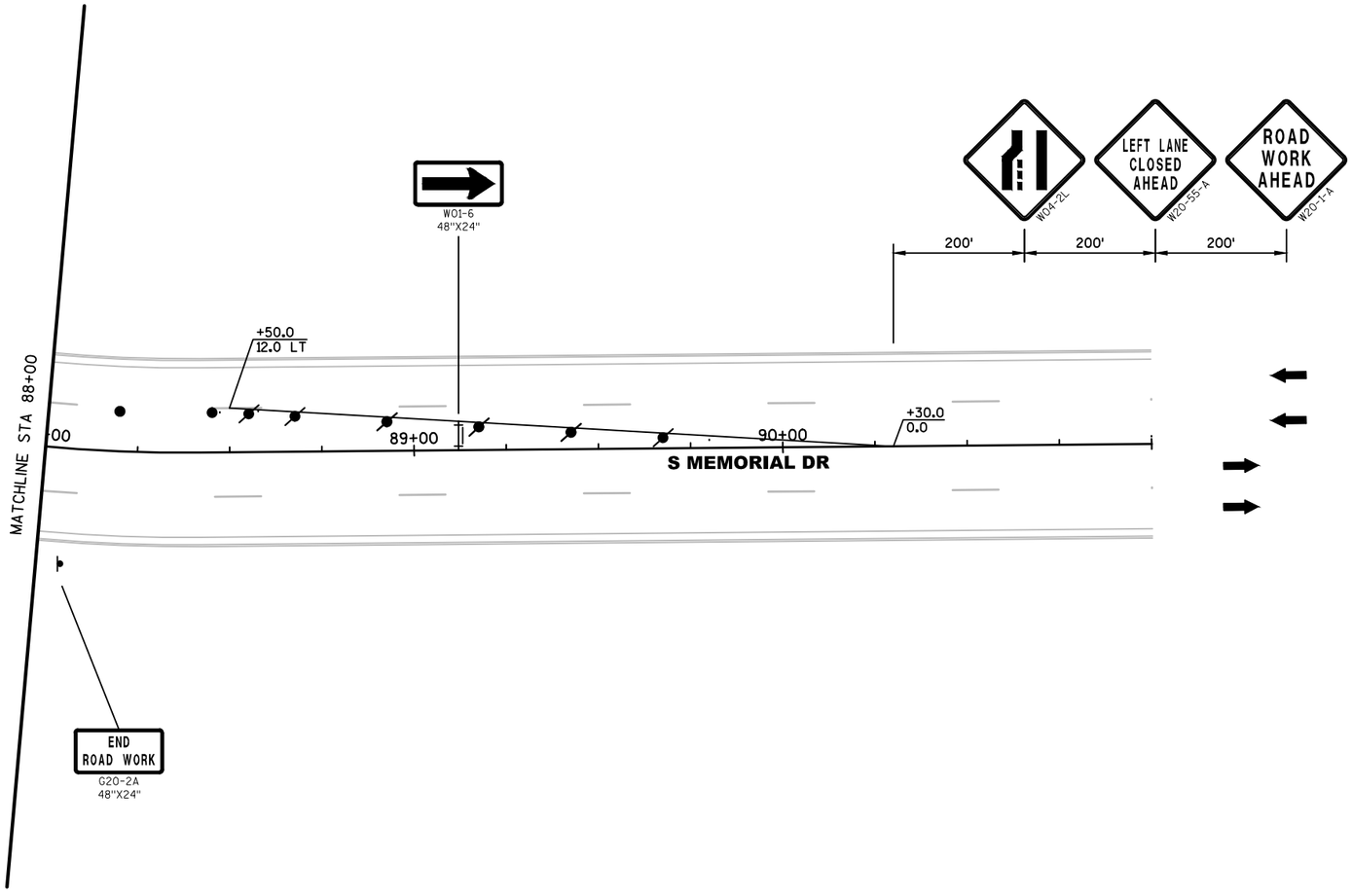
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\025008-TC-3.DWG
LAYOUT NAME - 025008-TC-3 - 04

PLOT DATE : 4/27/2021 11:26 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

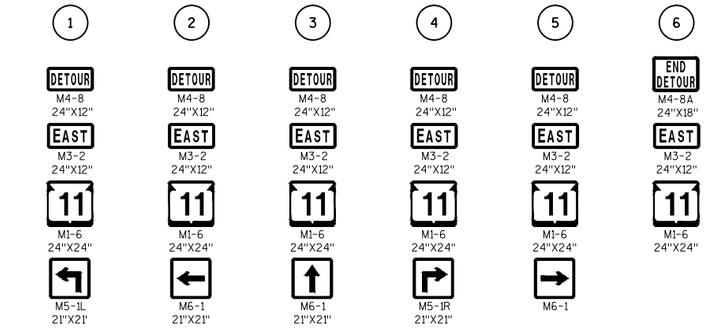
2

N



PROJECT NO:2260-08-70	HWY:STH 11	COUNTY:RACINE	TRAFFIC CONTROL - STAGE 3	SHEET 141	E

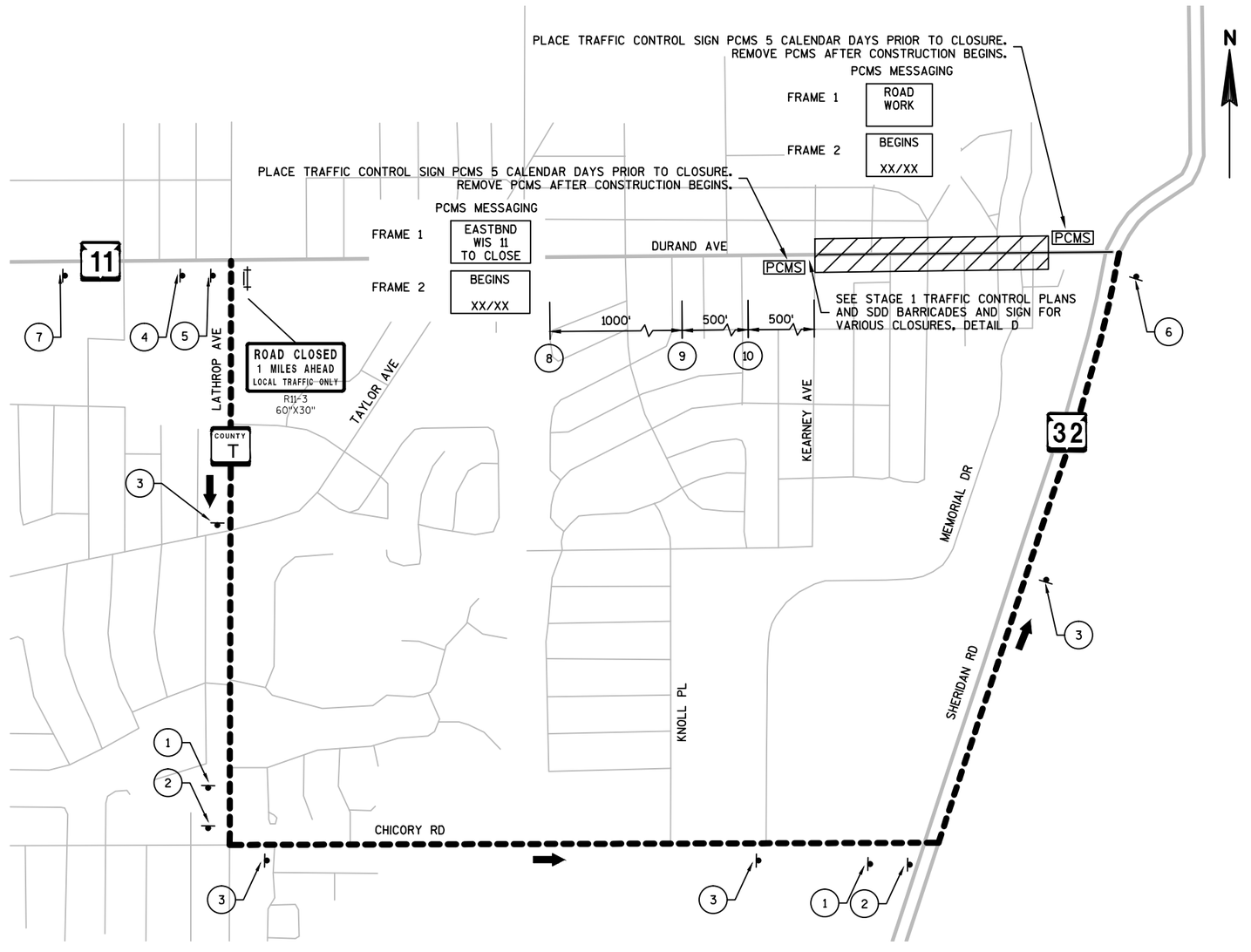
2



LEGEND

- TYPE III BARRICADE WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DIRECTION OF TRAFFIC
- PCMS — TRAFFIC CONTROL SIGN PCMS
- DETOUR ROUTE

NOTES:
1. CONTRACTOR SHALL PROVIDE ACCESS WITHIN WORK AREA TO LOCAL TRAFFIC AND EMERGENCY VEHICLES AT ALL TIMES.
2. REFERENCE THE FOLLOWING STANDARD DETAIL DRAWINGS (SDD):
   - BARRICADES AND SIGNS FOR MAINLINE CLOSURES, DETAIL A
   - BARRICADES AND SIGN FOR VARIOUS CLOSURES, DETAIL D
   - DETOUR SIGNING FOR MAINLINE CLOSURES



PROJECT NO:2260-08-70	HWY:STH 11	COUNTY:RACINE	DETOUR - STAGE 1	SHEET 142	E

2

1 — SIDEWALK CLOSED — R9-9 — 24"X12"

2 — SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 — 48"X30"

3 — SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 — 48"X30"

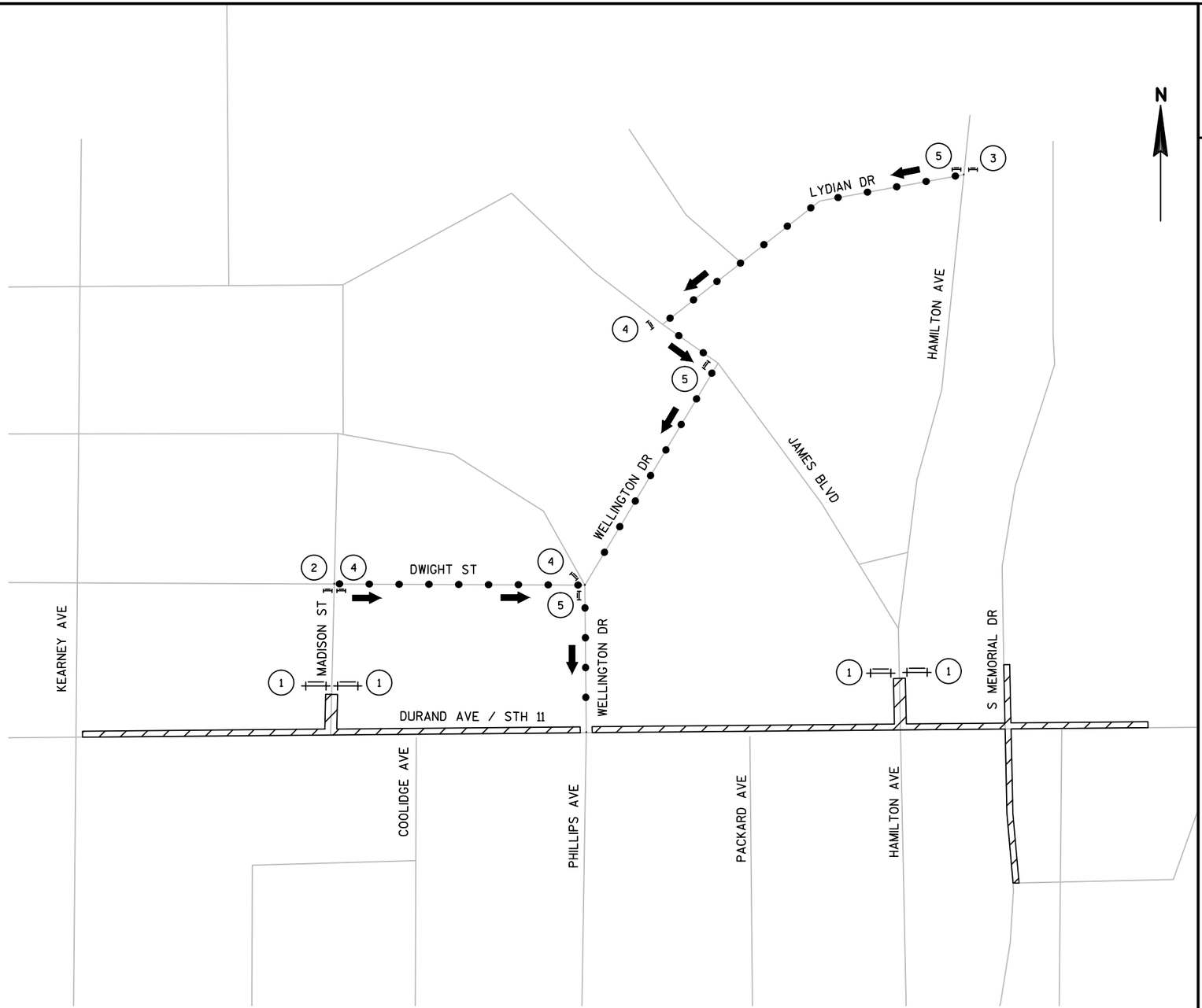
4 — DETOUR — M4-9BL — **30"X24"**

5 — DETOUR — M4-9BR — **30"X24"**

LEGEND

- WORK ZONE
- PEDESTRIAN DETOUR ROUTE AND DIRECTION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ONE WARNING LIGHT TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE TYPE III WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN

NOTES:
1. SEE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS FOR ADDITIONAL INFORMATION.



SIDEROAD PEDESTRIAN DETOURS

STAGE 2
MADISON ST AND HAMILTON AVE SIDEWALK CLOSURES
(WHEN CROSSING AT WELLINGTON DR/PHILLIPS AVE IS OPEN)

2

1 — SIDEWALK CLOSED — R9-9 — 24"X12"

2 — SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 — 48"X30"

3 — SIDEWALK CLOSED AHEAD / CROSS HERE — R9-11 — 48"X30"

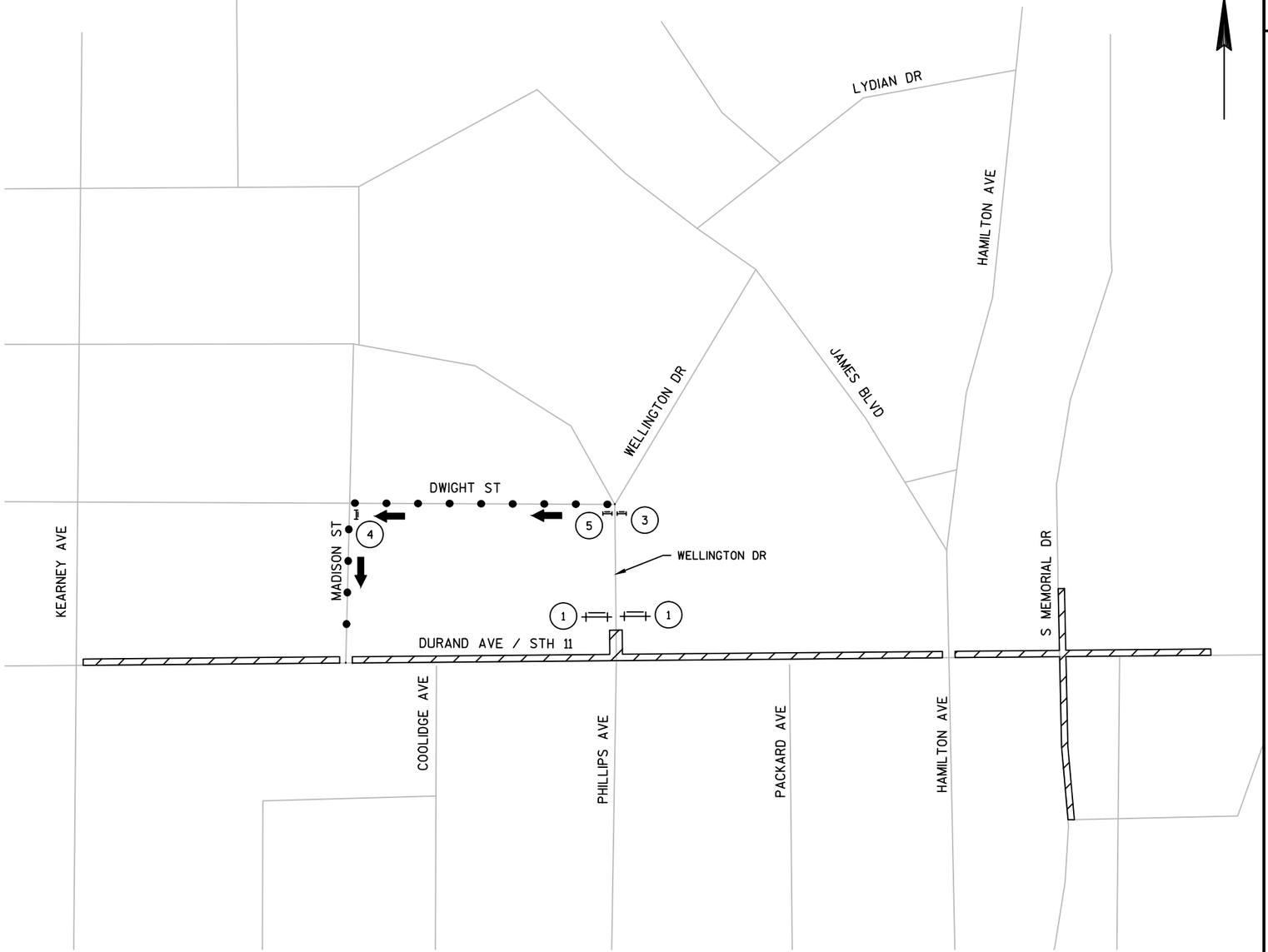
4 — DETOUR — M4-9BL — **30"X24"**

5 — DETOUR — M4-9BR — **30"X24"**

LEGEND

- WORK ZONE
- PEDESTRIAN DETOUR ROUTE AND DIRECTION
- TRAFFIC CONTROL BARRICADE TYPE II WITH ONE WARNING LIGHT TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE TYPE III WITH TWO WARNING LIGHTS TYPE A AND ATTACHED SIGN

NOTES:
1. SEE SDD TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS FOR ADDITIONAL INFORMATION.



SIDEROAD PEDESTRIAN DETOURS

STAGE 2
WELLINGTON DR SIDEWALK CLOSURES
(WHEN CROSSING AT MADISON ST IS OPEN)

2

EXISTING CURB RAMP

STAGE 2 WORK ZONE

SIDE ROAD OPEN FOR PEDESTRIAN DETOUR
(MADISON ST OR WELLINGTON DR)

TEMPORARY PEDESTRIAN BARRICADE

TEMPORARY PEDESTRIAN CURB RAMP

PEDESTRIAN CROSSWALK
R9-8
36"X18"

PEDESTRIAN CROSSWALK
R9-8
36"X18"

W011-2
48"X48"

W016-7L
48"X24"

TRAFFIC CONTROL CONES 42-INCH

W011-2
48"X48"

AHEAD
W016-9P
48"X24"

PLACE ALONG EASTBOUND AND WESTBOUND STH 11
ONE INTERSECTION IN ADVANCE OF TEMPORARY CROSSWALK.
MOUNT ON TRAFFIC CONTROL BARRICADE TYPE II.

N

STAGE 2 WORK ZONE

DURAND AVE / STH 11

TRAFFIC CONTROL
FLEXIBLE TUBULAR MARKER POST/BASE

TRAFFIC CONTROL DIRECTION OF TRAFFIC

TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH

W011-2
48"X48"

W016-7L
48"X24"

PEDESTRIAN CROSSWALK
R9-8
36"X18"

PEDESTRIAN CROSSWALK
R9-8
36"X18"

CURB RAMP CONSTRUCTED IN STAGE 1

TEMPORARY PEDESTRIAN ACCOMMODATIONS CROSSING DURAND AVE - STAGE 2

SEE SDD TRAFFIC CONTROL, TEMPORARY PEDESTRIAN ACCOMMODATION FOR ADDITIONAL INFORMATION

PROJECT NO:2260-08-70	HWY: STH 11	COUNTY: RACINE	PEDESTRIAN DETOUR	SHEET 145	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\027004-DT.DWG
LAYOUT NAME - 027004-DT - 01

PLOT DATE : 4/27/2021 11:27 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 42

NOTE:
THE STH 11/DURAND AVENUE PLAT REFERENCE LINE
FOLLOWS THE SECTION LINE.
THE CONSTRUCTION REFERENCE LINE IS PARALLEL
TO AND OFFSET 1-FT FROM THE SECTION LINE

N

CONCRETE MONUMENT
W/BRASS CAP
N = 175310.591
E = 633706.335

BEGIN PROJECT
STA. 141+03
N = 175,068.16
E = 633.772.47

KEARNEY AVE

DURAND AVE/STH 11

142 144 146 148 150 152 154

BP: 10+00.00

EP: 11+50.00

L41 11+00 MADISON ST

EP: 20+00.00

SECTION LINE

DURAND AVE R/L

EP: 50+00.00

L32 L29 C = 26

MATCHLINE STA 155+50.00

L42 19+00 COOLIDGE AVE

BP: 18+75.00

L43 49+00 PACKARD AVE

BP: 48+00.00

CAST IRON MONUMENT
W/BRASS CAP
N = 175068.838
E = 633719.905

CAST IRON MONUMENT
W/BRASS CAP
N = 172662.411
E = 633730.591

HAMILTON AVE

S MEMORIAL DR

EP: 72+00.00

PT: 71+68.43

L45 C = 30 71+00

PC: 70+45.70

BP: 70+00.00

L44 C = 27

156'WB' L33 158'WB' L30 L31 160'WB' L34 L35 162'WB' L36 L37 164

156 158 160 162

EP: 60+00.00 L46 L47 158'EB' L48 160'EB' L49 162'EB' L50 L51

DURAND WB R/L

DURAND WB R/L

SECTION LINE

DURAND AVE R/L

DURAND AVE R/L

DURAND AVE/STH 11

DURAND AVE/STH 11

166 168

STH 32 / SHERIDAN RD

MATCHLINE STA 155+50.00

82 80 78

L39

L52 59+00 HAMILTON AVE

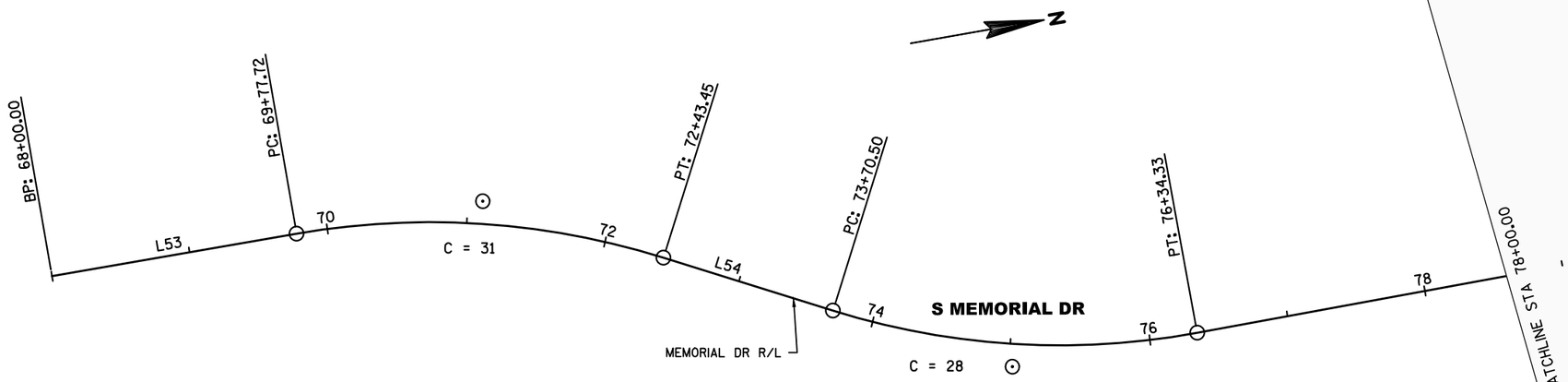
BP: 58+00.00

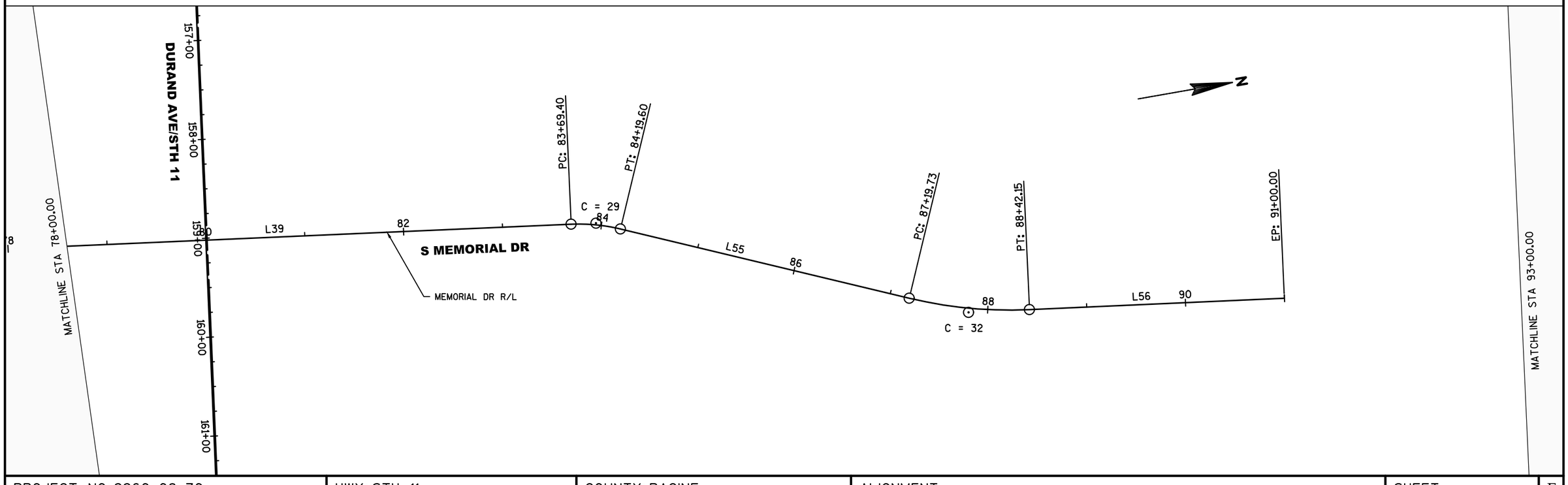
CONCRETE MONUMENT
W/BRASS CAP
N = 175085.062
E = 636368.924

CONCRETE MONUMENT
W/BRASS CAP
N = 172700.283
E = 636384.436

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	ALIGNMENT	SHEET 146	E

2





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	ALIGNMENT	SHEET 147	E

2

Durand																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L29	140+50.00	169+00.00	175067.84 633719.91	175085.29 636569.86						2850.00'						N89°38'56.7"E

Durand-WB PGL																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L32	154+00.00	154+64.32	175076.11 635069.89	175076.50 635134.20						64.32'						N89°38'56.7"E
C = 26					154+81.30	175076.60 635151.18	3°48'51"	11°14'04"	16.98'	33.95'	0.28'	510.00'	154+64.32	154+98.27	N89°38'56.7"E	N85°50'06.1"E
L33	154+98.27	157+19.87	175077.84 635168.12	175093.93 635389.14						221.60'						N85°50'06.1"E
C = 27					157+36.85	175095.17 635406.07	3°48'51"	11°14'04"	16.98'	33.95'	0.28'	510.00'	157+19.87	157+53.82	N85°50'06.1"E	N89°38'56.7"E
L30	157+53.82	158+64.84	175095.27 635423.05	175095.95 635534.07						111.02'						N89°38'56.7"E
L31	158+64.84	159+54.02	175095.95 635534.07	175094.50 635623.24						89.18'						S89°03'57.1"E
L34	159+54.02	160+83.46	175094.50 635623.24	175095.29 635752.68						129.44'						N89°38'56.7"E
L35	160+83.46	162+08.52	175095.29 635752.68	175090.05 635877.63						125.06'						S87°36'03.2"E
L36	162+08.52	163+57.00	175090.05 635877.63	175090.96 636026.11						148.49'						N89°38'56.7"E
L37	163+57.00	164+00.00	175090.96 636026.11	175093.16 636069.05						43.00'						N87°03'59.5"E

Durand-EB PGL																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L46	156+59.34	157+31.37	175077.69 635329.22	175076.14 635401.23						72.03'						S88°45'35.2"E
L47	157+31.37	158+61.33	175076.14 635401.23	175076.93 635531.19						129.96'						N89°38'56.7"E
L48	158+61.33	159+50.51	175076.93 635531.19	175075.48 635620.36						89.18'						S89°03'57.1"E
L49	159+50.51	162+87.02	175075.48 635620.36	175077.54 635956.86						336.51'						N89°38'56.7"E
L50	162+87.02	163+37.06	175077.54 635956.86	175075.84 636006.87						50.04'						S88°03'37.1"E
L51	163+37.06	164+00.00	175075.84 636006.87	175076.23 636069.81						62.94'						N89°38'56.7"E

Madison																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L41	10+00.00	11+50.00	175070.96 634230.06	175220.96 634228.68						150.00'						N0°31'33.6"W

Coolidge																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L42	18+75.00	20+00.00	174947.01 634396.00	175071.96 634392.44						125.00'						N1°37'42.5"W

Packard																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L43	48+00.00	50+00.00	174876.03 635057.71	175076.03 635057.38						200.00'						N0°05'35.9"W

2

Hamilton South																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L52	58+00.00	60+00.00	174878.07 635389.59	175078.07 635389.77						200.00'						N0°03'05.7"E

Hamilton North																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L44	70+00.00	70+45.70	175078.10 635395.76	175122.98 635387.18						45.70'						N10°49'50.9"W
C = 30					71+07.13	175183.33 635375.63	6°49'38"	5°33'46"	61.44'	122.73'	1.83'	1030.00'	70+45.70	71+68.43	N10°49'50.9"W	N17°39'29.1"W
L45	71+68.43	72+00.00	175241.87 635356.99	175271.96 635347.42						31.57'						N17°39'29.1"W

Memorial																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L53	68+00.00	69+77.72	173913.02 635393.07	174090.73 635393.40						177.72'						N0°06'19.0"E
C = 31					71+13.13	174226.15 635393.65	27°11'16"	10°13'53"	135.42'	265.73'	16.14'	560.00'	69+77.72	72+43.45	N0°06'19.0"E	N27°17'35.0"E
L54	72+43.45	73+70.50	174346.49 635455.74	174459.40 635514.00						127.05'						N27°17'35.0"E
C = 28					75+05.05	174578.97 635575.70	27°44'10"	10°30'47"	134.55'	263.83'	16.36'	545.00'	73+70.50	76+34.33	N27°17'35.0"E	N0°26'34.7"W
L39	76+34.33	83+69.40	174713.52 635574.66	175448.57 635568.97						735.08'						N0°26'34.7"W
C = 29					83+94.66	175473.83 635568.78	15°58'37"	31°49'52"	25.26'	50.19'	1.76'	180.00'	83+69.40	84+19.60	N0°26'34.7"W	N15°32'01.8"E
L55	84+19.60	87+19.73	175498.17 635575.54	175787.34 635655.92						300.14'						N15°32'01.8"E
C = 32					87+81.34	175846.70 635672.42	16°02'59"	13°06'40"	61.61'	122.41'	4.32'	437.00'	87+19.73	88+42.15	N15°32'01.8"E	N0°30'57.6"W
L56	88+42.15	91+00.00	175908.31 635671.87	176166.15 635669.55						257.85'						N0°30'57.6"W

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Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	4.000	4.000
0004	201.0205	Grubbing	STA	6.000	6.000
0006	204.0100	Removing Concrete Pavement	SY	16,147.000	16,147.000
0008	204.0110	Removing Asphaltic Surface	SY	1,200.000	1,200.000
0010	204.0115	Removing Asphaltic Surface Butt Joints	SY	198.000	198.000
0012	204.0150	Removing Curb & Gutter	LF	1,191.000	1,191.000
0014	204.0155	Removing Concrete Sidewalk	SY	1,782.000	1,782.000
0016	204.0170	Removing Fence	LF	339.000	339.000
0018	204.0195	Removing Concrete Bases	EACH	19.000	19.000
0020	204.0210	Removing Manholes	EACH	2.000	2.000
0022	204.0220	Removing Inlets	EACH	8.000	8.000
0024	204.0245	Removing Storm Sewer (size) 10. 10-Inch	LF	78.000	78.000
0026	204.0245	Removing Storm Sewer (size) 12. 12-Inch	LF	152.000	152.000
0028	204.0245	Removing Storm Sewer (size) 15. 15-Inch	LF	57.000	57.000
0030	204.0245	Removing Storm Sewer (size) 18. 18-Inch	LF	122.000	122.000
0032	204.0245	Removing Storm Sewer (size) 21. 21-Inch	LF	15.000	15.000
0034	204.0245	Removing Storm Sewer (size) 24. 24-Inch	LF	16.000	16.000
0036	204.0250	Abandoning Manholes	EACH	4.000	4.000
0038	204.0260	Abandoning Inlets	EACH	14.000	14.000
0040	204.0280	Sealing Pipes	EACH	8.000	8.000
0042	204.0291.S	Abandoning Sewer	CY	55.000	55.000
0044	204.9060.S	Removing (item description) 01. Removing Lighting Units	EACH	13.000	13.000
0046	204.9105.S	Removing (item description) 01. Traffic Signals STH 11 (Durand Ave) & S Memorial Dr	LS	1.000	1.000
0048	204.9105.S	Removing (item description) 02. Loop Detector Wire & Lead-In Cable STH 11 (Durand Ave) & S Memorial Dr	LS	1.000	1.000
0050	204.9165.S	Removing (item description) 02. Landscaping Stone STA 160+48 to STA 161+62 RT	SF	467.000	467.000
0052	205.0100	Excavation Common	CY	21,337.000	21,337.000
0054	205.0501.S	Excavation, Hauling, and Disposal of Petroleum Contaminated Soil	TON	2,653.000	2,653.000
0056	210.2500	Backfill Structure Type B	TON	18.000	18.000
0058	213.0100	Finishing Roadway (project) 01. 2260-08-70	EACH	1.000	1.000
0060	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	9,525.000	9,525.000
0062	310.0110	Base Aggregate Open-Graded	TON	131.000	131.000
0064	312.0110	Select Crushed Material	TON	21,605.000	21,605.000
0066	415.0085	Concrete Pavement 8 1/2-Inch	SY	16,957.000	16,957.000
0068	415.0210	Concrete Pavement Gaps	EACH	12.000	12.000
0070	415.1085	Concrete Pavement HES 8 1/2-Inch	SY	648.000	648.000
0072	415.4100	Concrete Pavement Joint Filling	SY	21,263.000	21,263.000
0074	415.5110.S	Concrete Pavement Joint Layout	LS	1.000	1.000
0076	416.0160	Concrete Driveway 6-Inch	SY	907.000	907.000
0078	416.0610	Drilled Tie Bars	EACH	44.000	44.000
0080	416.0620	Drilled Dowel Bars	EACH	163.000	163.000
0082	455.0605	Tack Coat	GAL	78.000	78.000
0084	460.2000	Incentive Density HMA Pavement	DOL	120.000	120.000
0086	460.5223	HMA Pavement 3 LT 58-28 S	TON	92.000	92.000
0088	460.5224	HMA Pavement 4 LT 58-28 S	TON	94.000	94.000
0090	465.0105	Asphaltic Surface	TON	196.000	196.000
0092	465.0125	Asphaltic Surface Temporary	TON	68.000	68.000
0094	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000
0096	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	5,203.000	5,203.000
0098	601.0407	Concrete Curb & Gutter 18-Inch Type D	LF	417.000	417.000
0100	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	1,115.000	1,115.000
0102	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	64.000	64.000

2260-08-70

Line	Item	Item Description	Unit	Total	Qty
0104	601.0600	Concrete Curb Pedestrian	LF	474.000	474.000
0106	602.0410	Concrete Sidewalk 5-Inch	SF	30,043.000	30,043.000
0108	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	360.000	360.000
0110	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	26.000	26.000
0112	602.1500	Concrete Steps	SF	44.000	44.000
0114	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	73.700	73.700
0116	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	54.300	54.300
0118	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	977.600	977.600
0120	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	461.600	461.600
0122	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	55.200	55.200
0124	608.3012	Storm Sewer Pipe Class III-A 12-Inch	LF	54.400	54.400
0126	608.3015	Storm Sewer Pipe Class III-A 15-Inch	LF	74.500	74.500
0128	608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	494.700	494.700
0130	608.3024	Storm Sewer Pipe Class III-A 24-Inch	LF	375.500	375.500
0132	611.0420	Reconstructing Manholes	EACH	8.000	8.000
0134	611.0530	Manhole Covers Type J	EACH	25.000	25.000
0136	611.0535	Manhole Covers Type J-Special	EACH	9.000	9.000
0138	611.0624	Inlet Covers Type H	EACH	50.000	50.000
0140	611.1004	Catch Basins 4-FT Diameter	EACH	18.000	18.000
0142	611.1005	Catch Basins 5-FT Diameter	EACH	1.000	1.000
0144	611.1230	Catch Basins 2x3-FT	EACH	29.000	29.000
0146	611.2004	Manholes 4-FT Diameter	EACH	13.000	13.000
0148	611.2005	Manholes 5-FT Diameter	EACH	2.000	2.000
0150	611.8110	Adjusting Manhole Covers	EACH	1.000	1.000
0152	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0154	611.8120.S	Cover Plates Temporary	EACH	2.000	2.000
0156	612.0106	Pipe Underdrain 6-Inch	LF	600.000	600.000
0158	612.0404	Pipe Underdrain Wrapped 4-Inch	LF	60.000	60.000
0160	619.1000	Mobilization	EACH	1.000	1.000
0162	620.0200	Concrete Median Blunt Nose	SF	64.000	64.000
0164	620.0300	Concrete Median Sloped Nose	SF	286.000	286.000
0166	624.0100	Water	MGAL	670.000	670.000
0168	625.0100	Topsoil	SY	2,536.000	2,536.000
0170	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0172	628.1910	Mobilizations Emergency Erosion Control	EACH	5.000	5.000
0174	628.7005	Inlet Protection Type A	EACH	53.000	53.000
0176	628.7010	Inlet Protection Type B	EACH	6.000	6.000
0178	628.7015	Inlet Protection Type C	EACH	81.000	81.000
0180	628.7560	Tracking Pads	EACH	9.000	9.000
0182	629.0210	Fertilizer Type B	CWT	1.670	1.670
0184	631.0300	Sod Water	MGAL	57.150	57.150
0186	631.1000	Sod Lawn	SY	2,536.000	2,536.000
0188	632.0101	Trees (species) (size) (root) 01. Armstrong Freeman Maple, 2.5" Cal., B&B	EACH	6.000	6.000
0190	632.0101	Trees (species) (size) (root) 02. Frontier Hybrid Elm, 2.5" Cal., B&B	EACH	2.000	2.000
0192	632.0101	Trees (species) (size) (root) 03. American Sentry Linden, 2.5" Cal., B&B	EACH	2.000	2.000
0194	632.9101	Landscape Planting Surveillance and Care Cycles	EACH	10.000	10.000
0196	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	6.000	6.000
0198	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	45.000	45.000
0200	637.2210	Signs Type II Reflective H	SF	344.940	344.940

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Line	Item	Item Description	Unit	Total	Qty
0202	637.2215	Signs Type II Reflective H Folding	SF	31.080	31.080
0204	637.2230	Signs Type II Reflective F	SF	45.250	45.250
0206	638.2102	Moving Signs Type II	EACH	6.000	6.000
0208	638.2602	Removing Signs Type II	EACH	38.000	38.000
0210	638.3000	Removing Small Sign Supports	EACH	23.000	23.000
0212	643.0300	Traffic Control Drums	DAY	35,725.000	35,725.000
0214	643.0410	Traffic Control Barricades Type II	DAY	950.000	950.000
0216	643.0420	Traffic Control Barricades Type III	DAY	9,966.000	9,966.000
0218	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	277.000	277.000
0220	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	277.000	277.000
0222	643.0705	Traffic Control Warning Lights Type A	DAY	20,920.000	20,920.000
0224	643.0715	Traffic Control Warning Lights Type C	DAY	4,113.000	4,113.000
0226	643.0900	Traffic Control Signs	DAY	20,175.000	20,175.000
0228	643.1050	Traffic Control Signs PCMS	DAY	30.000	30.000
0230	643.1070	Traffic Control Cones 42-Inch	DAY	7,840.000	7,840.000
0232	643.5000	Traffic Control	EACH	1.000	1.000
0234	644.1601	Temporary Pedestrian Curb Ramp	DAY	28.000	28.000
0236	644.1810	Temporary Pedestrian Barricade	LF	484.000	484.000
0238	645.0111	Geotextile Type DF Schedule A	SY	269.000	269.000
0240	646.1020	Marking Line Epoxy 4-Inch	LF	8,090.000	8,090.000
0242	646.5020	Marking Arrow Epoxy	EACH	13.000	13.000
0244	646.6120	Marking Stop Line Epoxy 18-Inch	LF	307.000	307.000
0246	646.7120	Marking Diagonal Epoxy 12-Inch	LF	28.000	28.000
0248	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,636.000	1,636.000
0250	646.8120	Marking Curb Epoxy	LF	54.000	54.000
0252	646.8220	Marking Island Nose Epoxy	EACH	3.000	3.000
0254	646.9000	Marking Removal Line 4-Inch	LF	137.000	137.000
0256	646.9100	Marking Removal Line 8-Inch	LF	36.000	36.000
0258	646.9200	Marking Removal Line Wide	LF	19.000	19.000
0260	649.0105	Temporary Marking Line Paint 4-Inch	LF	3,204.000	3,204.000
0262	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	16,191.000	16,191.000
0264	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	835.000	835.000
0266	649.0550	Temporary Marking Arrow Removable Tape	EACH	4.000	4.000
0268	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	88.000	88.000
0270	649.0960	Temporary Marking Removable Mask Out Tape 6-Inch	LF	762.000	762.000
0272	649.0970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	130.000	130.000
0274	650.4000	Construction Staking Storm Sewer	EACH	63.000	63.000
0276	650.4500	Construction Staking Subgrade	LF	2,502.000	2,502.000
0278	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	6,799.000	6,799.000
0280	650.7000	Construction Staking Concrete Pavement	LF	2,587.000	2,587.000
0282	650.8500	Construction Staking Electrical Installations (project) 01. 2260-08-70	LS	1.000	1.000
0284	650.9000	Construction Staking Curb Ramps	EACH	38.000	38.000
0286	650.9910	Construction Staking Supplemental Control (project) 01. 2260-08-70	LS	1.000	1.000
0288	650.9920	Construction Staking Slope Stakes	LF	2,794.000	2,794.000
0290	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,524.000	2,524.000
0292	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	895.000	895.000
0294	652.0605	Conduit Special 2-Inch	LF	595.000	595.000
0296	653.0140	Pull Boxes Steel 24x42-Inch	EACH	10.000	10.000
0298	653.0905	Removing Pull Boxes	EACH	34.000	34.000
0300	654.0101	Concrete Bases Type 1	EACH	2.000	2.000
0302	654.0105	Concrete Bases Type 5	EACH	22.000	22.000
0304	654.0120	Concrete Bases Type 10-Special	EACH	4.000	4.000
0306	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000	1.000
0308	655.0230	Cable Traffic Signal 5-14 AWG	LF	745.000	745.000

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Line	Item	Item Description	Unit	Total	Qty
0310	655.0240	Cable Traffic Signal 7-14 AWG	LF	362.000	362.000
0312	655.0260	Cable Traffic Signal 12-14 AWG	LF	773.000	773.000
0314	655.0290	Cable Traffic Signal 21-14 AWG	LF	380.000	380.000
0316	655.0320	Cable Type UF 2-10 AWG Grounded	LF	571.000	571.000
0318	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	861.000	861.000
0320	655.0610	Electrical Wire Lighting 12 AWG	LF	3,816.000	3,816.000
0322	655.0635	Electrical Wire Lighting 2 AWG	LF	16,151.000	16,151.000
0324	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. STH 11 (Durand Ave) & S Memorial Dr	LS	1.000	1.000
0326	657.0100	Pedestal Bases	EACH	2.000	2.000
0328	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	22.000	22.000
0330	657.0322	Poles Type 5-Aluminum	EACH	22.000	22.000
0332	657.0352	Poles Type 10-Special	EACH	4.000	4.000
0334	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	2.000	2.000
0336	657.0541	Monotube Arms 40-FT-Special	EACH	2.000	2.000
0338	657.0546	Monotube Arms 45-FT-Special	EACH	2.000	2.000
0340	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	27.000	27.000
0342	657.0815	Luminaire Arms Steel 15-FT	EACH	4.000	4.000
0344	658.0173	Traffic Signal Face 3S 12-Inch	EACH	12.000	12.000
0346	658.0174	Traffic Signal Face 4S 12-Inch	EACH	8.000	8.000
0348	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000	8.000
0350	658.0500	Pedestrian Push Buttons	EACH	8.000	8.000
0352	658.5069	Signal Mounting Hardware (location) 01. STH 11 (Durand Ave) & S Memorial Dr	LS	1.000	1.000
0354	659.1125	Luminaires Utility LED C	EACH	4.000	4.000
0356	690.0150	Sawing Asphalt	LF	1,850.000	1,850.000
0358	690.0250	Sawing Concrete	LF	863.000	863.000
0360	715.0415	Incentive Strength Concrete Pavement	DOL	5,282.000	5,282.000
0362	715.0710	Optimized Aggregate Gradation Incentive	DOL	16,520.000	16,520.000
0364	740.0440	Incentive IRI Ride	DOL	11,290.000	11,290.000
0366	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
0368	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,280.000	2,280.000
0370	SPV.0035	Special 01. Coloring Concrete Custom Red	CY	145.000	145.000
0372	SPV.0060	Special 01. Standard LED Luminaires	EACH	27.000	27.000
0374	SPV.0060	Special 02. Traffic Signal Controller & Cabinet STH 11 (Durand Ave) & S Memorial Dr	EACH	1.000	1.000
0376	SPV.0060	Special 03. Furnish and Install Ethernet Radio STH 11 (Durand Ave) & S Memorial Dr	EACH	1.000	1.000
0378	SPV.0060	Special 04. Catch Basins 8-FT Diameter	EACH	2.000	2.000
0380	SPV.0060	Special 05. Field Facilities Office Space	EACH	1.000	1.000
0382	SPV.0060	Special 06. Utility Line Opening	EACH	10.000	10.000
0384	SPV.0090	Special 01. Marking Contrast Epoxy 4-Inch	LF	1,250.000	1,250.000
0386	SPV.0090	Special 02. Marking Contrast Epoxy 8-Inch	LF	1,186.000	1,186.000
0388	SPV.0105	Special 01. Video Vehicle Detection System STH 11 (Durand Ave) & S Memorial Dr	LS	1.000	1.000
0390	SPV.0165	Special 01. Wall Modular Block Gravity Landscape	SF	58.000	58.000
0392	SPV.0170	Special 01. Proof Rolling	STA	30.000	30.000
0394	SPV.0180	Special 01. Shredded Hardwood Bark Mulch	SY	20.000	20.000
0396	SPV.0195	Special 01. Management of Solid Waste	TON	104.000	104.000

CLEARING & GRUBBING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	1	DURAND AVE	142+00	-	146+00	RT	2	4
			154+00	-	156+00	RT	2	2
						TOTAL 0010	4	6

REMOVALS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	204.0100 REMOVING CONCRETE PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0170 REMOVING FENCE LF	# 204.0195 REMOVING CONCRETE BASES EACH	204.9165.S.01 REMOVING LANDSCAPING STONE STA 160+48 TO STA 161+62 RT SF
0010	1	DURAND AVE	141+03	-	146+00	RT	1,532	-	-	-	-	5	-	-
			146+00	-	152+00	RT	2,032	-	-	60	-	292	-	-
			152+00	-	158+00	RT	2,136	256	-	-	-	-	1	-
			158+00	-	162+70	RT	1,304	56	30	266	155	-	-	467
		PACKARD AVE	49+05	-	49+50		-	13	-	99	-	-	-	-
		S MEMORIAL DR	76+98	-	79+25	LT	306	81	30	141	-	-	-	-
			80+75	-	81+75	LT	259	-	-	-	-	-	-	-
	STAGE 1 SUBTOTAL						7,569	406	60	566	155	297	1	467
0010	2	DURAND AVE	141+03	-	146+00	LT	1,629	-	-	-	378	37	-	-
			146+00	-	152+00	LT	2,021	-	-	-	408	5	-	-
			152+00	-	158+00	LT	1,958	355	-	-	422	-	-	-
			158+00	-	162+78	LT	1,535	123	27	273	222	-	-	-
		MADISON ST	10+50	-	11+00		206	-	-	-	67	-	-	-
		HAMILTON AVE	70+65	-	71+00	NORTH	215	-	-	-	48	-	-	-
		S MEMORIAL DR	76+98	-	79+25	RT	290	-	111	146	-	-	-	-
			80+75	-	81+75	LT & RT	396	316	-	-	-	-	-	-
	STAGE 2 SUBTOTAL						8,250	794	138	419	1,545	42	-	-
0010	3	DURAND AVE	158+00	-	163+75	LT & RT	99	-	-	-	82	-	-	-
		S MEMORIAL DR	76+98	-	79+25	RT	106	-	-	206	-	-	-	-
			80+75	-	81+75	RT	123	-	-	-	-	-	-	-
	STAGE 3 SUBTOTAL						328	-	-	206	82	-	-	-
						TOTAL 0010	16,147	1,200	198	1,191	1,782	339	1	467

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING UNIT REMOVAL QUANTITIES" TABLE AND "TRAFFIC SIGNAL REMOVALS" TABLE.

REMOVING & ABANDONING DRAINAGE STRUCTURES

CATEGORY	STAGE	ROADWAY	STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	204.0250 ABANDONING MANHOLES EACH	204.0260 ABANDONING INLETS EACH
0010	1	DURAND AVE	143+49	26' RT	-	-	-	1
			143+58	0'	-	-	1	-
			145+23	0'	-	-	1	-
			146+80	26' RT	-	1	-	-
			146+89	0'	-	-	1	-
			150+14	26' RT	-	1	-	-
			153+47	26' RT	-	1	-	-
			156+75	26' RT	-	-	-	1
			157+54	28' RT	-	-	-	1
			158+54	54' RT	-	-	-	1
			159+97	31' RT	-	-	-	1
	STAGE 1 SUBTOTAL				-	3	3	5
0010	2	DURAND AVE	143+92	26' LT	-	-	-	1
			145+42	42' LT	-	-	-	1
			145+78	40' LT	-	-	-	1
			150+35	26' LT	-	-	-	1
			150+75	23' LT	1	-	-	-
			150+88	42' LT	-	1	-	-
			153+40	22' LT	1	-	-	-
			153+94	26' LT	-	-	-	1
			153+95	19' LT	-	-	1	-
			156+94	44' LT	-	-	-	1
			157+41	42' LT	-	-	-	1
			159+69	47' LT	-	1	-	-
			160+02	34' LT	-	1	-	-
			162+40	33' LT	-	1	-	-
		MEMORIAL DR	77+40	36' RT	-	-	-	1
			79+34	50' RT	-	-	-	1
			80+54	46' LT	-	1	-	-
	STAGE 2 SUBTOTAL				2	5	1	9
				TOTAL 0010	2	8	4	14

SEALING PIPES

CATEGORY	STAGE	ROADWAY	STATION	LOCATION	204.0280 SEALING PIPES EACH
0010	1	DURAND AVE	145+00	20' LT	1
			146+73	R/L	1
			148+50	R/L	1
			150+10	R/L	1
			153+40	R/L	1
			154+50	R/L	1
			156+14	1' RT	1
		S MEMORIAL DR	78+79	R/L	1
				TOTAL 0010	8

HAZARDOUS MATERIALS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	205.0501.S EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL TON	SPV.0195.01 MANAGEMENT OF SOLID WASTE TON
0010	1	DURAND AVE	151+25	-	153+00	RT	944	-
			153+00	-	154+00	RT	159	-
			154+00	-	155+00	RT	897	-
		S MEMORIAL DR	78+35	-	79+05	LT	-	104
	STAGE 1 SUBTOTAL						2,000	104
0010	2	DURAND AVE	154+25	-	154+75	LT	466	-
			160+50	-	161+00	LT	187	-
	STAGE 2 SUBTOTAL						653	-
						TOTAL 0010	2,653	104

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REMOVING & ABANDONING SEWER

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	204.0245.10 REMOVING STORM SEWER 10-INCH LF	204.0245.12 REMOVING STORM SEWER 12-INCH LF	204.0245.15 REMOVING STORM SEWER 15-INCH LF	204.0245.18 REMOVING STORM SEWER 18-INCH LF	204.0245.21 REMOVING STORM SEWER 21-INCH LF	204.0245.24 REMOVING STORM SEWER 24-INCH LF	204.0291.S ABANDONING SEWER CY
0010	1	DURAND AVE	141+03	-	146+00	RT	-	-	-	-	-	-	1
			146+00	-	152+00	RT	62	-	-	-	-	-	1
			152+00	-	158+00	RT	16	-	-	-	-	-	2
			158+00	-	162+70	RT	-	3	-	77	-	-	2
		S MEMORIAL DR	76+98	-	79+25	LT	-	-	-	45	-	-	-
	STAGE 1 SUBTOTAL						78	3	-	122	-	-	6
0010	2	DURAND AVE	141+03	-	146+00	LT	-	-	34	-	-	-	4
			146+00	-	152+00	LT	-	8	23	-	-	-	5
			152+00	-	158+00	LT	-	-	-	-	15	16	38
			158+00	-	162+78	LT	-	141	-	-	-	-	2
	STAGE 2 SUBTOTAL						-	149	57	-	15	16	49
						TOTAL 0010	**78**	**152**	**57**	**122**	**15**	**16**	**55**

3

EARTHWORK

STAGE	FROM/TO STATION	LOCATION	205.0100 EXCAVATION COMMON (1) CY			CY SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	CY AVAILABLE MATERIAL (5)	CY UNEXPANDED FILL	CY EXPANDED FILL FACTOR 1.11	CY MASS ORDINATE +/- (6)	CY WASTE (7)	# 312.0110 SELECT CRUSHED MATERIAL TON
			CUT EXCAVATION (2)	CONTAMINATED SOIL	EBS EXCAVATION (3)							
STAGE 1												
DURAND AVE	141+03 - 162+70	RT	8,922	756	309	3,897	5,025	17	19	5,006	5,315	649
COOLIDGE AVE	19+10 - 19+50		59	-	-	48	11	-	-	11	11	-
PACKARD AVE	49+05 - 49+50		94	-	-	62	32	2	2	30	30	-
HAMILTON AVE	59+25 - 59+50	SOUTH	57	-	-	41	16	-	-	16	16	-
S MEMORIAL DR	76+98 - 81+75	LT	965	12	200	490	475	5	6	469	669	420
STAGE 1 SUBTOTAL			10,097	768	509	4,538	5,559	24	27	5,532	6,041	1,069
STAGE 2												
DURAND AVE	141+03 - 162+77	LT	8,929	375	359	3,720	5,209	3	3	5,206	5,565	754
MADISON ST	10+50 - 11+00		138	-	-	75	63	-	-	63	63	-
HAMILTON AVE	70+65 - 71+00	NORTH	113	-	-	70	43	-	-	43	43	-
S MEMORIAL DR	76+98 - 81+75	RT	1,483	-	229	551	932	2	2	930	1,159	481
STAGE 2 SUBTOTAL			10,663	375	588	4,416	6,247	5	5	6,242	6,830	1,235
STAGE 3												
DURAND AVE	161+50 - 163+75	MEDIAN	209	-	-	209	-	-	-	-	-	-
S MEMORIAL DR	76+98 - 81+75	RT	340	-	74	198	142	-	-	142	216	156
STAGE 3 SUBTOTAL			549	-	74	407	142	0	0	142	216	1,391
SUBTOTAL			21,309	1,143	1,171	9,361	11,948	29	32	11,916	13,087	
TOTAL 0010			**21,337**									**3,695**

Notes:

(1) Excavation Common = Cut Excavation + EBS Excavation - Contaminated Soil. Item number 205.0100

(2) Salvaged/Unsuable Pavement Material is included in Cut.

(3) EBS Excavation to be backfilled with Select Crushed Material or as directed by the engineer.

(4) Salvaged/Unusable Pavement Material includes asphalt pavement, concrete pavement, curb & gutter, concrete sidewalk, and crushed aggregate base course.

(5) Available Material = Cut Excavation - Salvaged/Unusuable Pavement Material

(6) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the stage. Minus indicates a shortage of material within the stage.

(7) Waste = EBS Excavation + Mass Ordinate. Factors used to compute anticipated waste and the computed waste volume identified are for general information only.

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "AGGREGATE" TABLE.

3

AGGREGATE

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	210.2500 BACKFILL STRUCTURE TYPE B TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	310.0110 BASE AGGREGATE OPEN-GRADED TON	# 312.0110 SELECT CRUSHED MATERIAL TON	## 624.0100 WATER MGAL
0010	1	DURAND AVE	141+03	-	146+00	RT	-	690	-	1,471	44
			146+00	-	152+00	RT	-	995	-	1,774	56
			152+00	-	158+00	RT	-	1,042	8	1,904	59
			158+00	-	163+75	RT	18	1,007	-	2,173	64
		COOLIDGE AVE	19+10	-	19+50		-	90	-	-	2
		PACKARD AVE	49+05	-	49+50		-	120	-	-	3
		HAMILTON AVE	59+25	-	59+50	SOUTH	-	91	-	-	2
		S MEMORIAL DR	76+98	-	79+25	LT	-	327	8	673	20
			80+75	-	81+75	LT	-	104	-	252	8
	STAGE 1 SUBTOTAL						18	4,466	16	8,247	258
0010	2	DURAND AVE	141+03	-	146+00	LT	-	778	-	1,471	45
			146+00	-	152+00	LT	-	965	-	1,774	55
			152+00	-	158+00	LT	-	1,223	8	2,016	65
			158+00	-	163+75	LT	-	1,164	-	2,388	72
		MADISON ST	10+50	-	11+00		-	103	-	-	3
		HAMILTON AVE	70+65	-	71+00	NORTH	-	105	-	-	3
		S MEMORIAL DR	76+98	-	79+25	LT	-	42	8	951	20
			80+75	-	81+75	LT	-	308	15	477	16
	STAGE 2 SUBTOTAL						-	4,688	31	9,077	279
0010	3	DURAND AVE	158+00	-	163+75		-	232	84	248	10
		S MEMORIAL DR	76+98	-	79+25	RT	-	92	-	223	7
			80+75	-	81+75	RT	-	47	-	115	4
	STAGE 3 SUBTOTAL						-	371	84	586	21
						TOTAL 0010	**18**	**9,525**	**131**	**17,910**	**558**

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "EARTHWORK" TABLE.

QUANTITY ESTIMATED AT 20 GAL/TON OF BASE AGGREGATE DENSE 1 1/4-INCH AND BREAKER RUN. ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "EROSION CONTROL" TABLE.

3

CONCRETE PAVEMENT

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	415.0085 CONCRETE PAVEMENT 8 1/2-INCH SY	415.0210 CONCRETE PAVEMENT GAPS EACH	415.1085 CONCRETE PAVEMENT HES 8 1/2-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	415.5110.S CONCRETE PAVEMENT JOINT LAYOUT LS	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWEL BARS EACH
0010	1	DURAND AVE	141+03	-	146+00	RT	1,383	1	-	1,466	-	2	18
			146+00	-	152+00	RT	1,856	2	-	1,951	-	4	-
			152+00	-	158+00	RT	2,014	2	-	2,108	-	-	-
			158+00	-	163+75	RT	1,506	2	510	2,456	-	2	-
		PACKARD AVE	49+05	-	49+50		-	-	-	-	-	4	-
		S MEMORIAL DR	76+98	-	79+25	LT	608	-	-	1,163	-	2	-
			80+75	-	81+75	LT	256	-	-	326	-	2	16
	STAGE 1 SUBTOTAL						7,623	7	510	9,470	-	16	34
0010	2	DURAND AVE	141+03	-	146+00	LT	1,502	-	-	1,587	-	6	18
			146+00	-	152+00	LT	1,830	1	-	1,935	-	4	28
			152+00	-	158+00	LT	1,844	2	-	2,007	-	-	-
			158+00	-	163+75	LT	2,035	2	138	2,978	-	2	-
		MADISON ST	10+50	-	11+00		189	-	-	206	-	4	28
		HAMILTON AVE	70+65	-	71+00	NORTH	180	-	-	192	-	4	31
		S MEMORIAL DR	76+98	-	79+25	RT	904	-	-	1,484	-	2	-
			80+75	-	81+75	RT	414	-	-	864	-	2	16
	STAGE 2 SUBTOTAL						8,898	5	138	11,253	-	24	121
0010	3	DURAND AVE	158+00	-	163+75	LT	74	-	-	178	-	4	-
		S MEMORIAL DR	76+98	-	79+25		239	-	-	239	-	-	-
			80+75	-	81+75		123	-	-	123	-	-	8
	STAGE 3 SUBTOTAL						436	-	-	540	-	4	8
						TOTAL 0010	**16,957**	**12**	**648**	**21,263**	**1**	**44**	**163**

ASPHALT

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON
0010	1	DURAND AVE	146+00	-	152+00	RT	11	15	12	-	-
			152+00	-	158+00	RT	-	-	-	39	-
			158+00	-	162+70	RT	2	-	4	8	61
		COOLIDGE AVE	19+10	-	19+50		16	21	16	-	-
		PACKARD AVE	49+05	-	49+50		19	25	19	2	-
		HAMILTON AVE	59+25	-	59+50	SOUTH	15	20	15	7	-
		S MEMORIAL DR	76+98	-	79+25	LT	2	-	4	9	-
	STAGE 1 SUBTOTAL						65	81	70	65	61
0010	2	DURAND AVE	141+03	-	146+00	LT	-	-	-	-	7
			152+00	-	158+00	LT	-	-	-	62	-
			158+00	-	162+77	LT	2	-	4	17	-
		S MEMORIAL DR	76+98	-	79+25	RT	6	-	13	-	-
			80+75	-	81+75	LT & RT	-	-	-	52	-
	STAGE 2 SUBTOTAL						8	-	17	131	7
0010	3	DURAND AVE	162+70	-	163+75	LT & RT	5	11	7	-	-
	STAGE 3 SUBTOTAL						5	11	7	-	-
						TOTAL 0010	78	92	94	196	68

CONCRETE COLLARS FOR PIPE

CATEGORY	STAGE	ROADWAY	STATION	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH
0010	1	DURAND AVE	158+62	LT	1
			162+43	LT	1
				TOTAL 0010	2

3

CONCRETE ANCILLARY

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	416.0160 CONCRETE DRIVEWAY 6-INCH SY	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	602.1500 CONCRETE STEPS SF	620.0200 CONCRETE MEDIAN BLUNT NOSE SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF
0010	1	DURAND AVE	141+03	-	146+00	RT	48	498	-	-	-	-	2,466	20	-	-	-	-	-
			146+00	-	152+00	RT	155	568	59	-	-	-	2,843	50	15	-	-	-	-
			152+00	-	158+00	RT	97	563	-	-	-	-	2,636	40	-	-	-	-	-
			158+00	-	163+75	RT	51	307	-	155	-	170	2,951	70	11	-	29	49	58
		COOLIDGE AVE	19+10	-	19+50		-	-	59	-	-	-	-	-	-	-	-	-	-
		PACKARD AVE	49+05	-	49+50		7	-	99	-	-	-	-	-	-	-	-	-	-
		HAMILTON AVE	59+25	-	59+50	SOUTH	-	-	59	-	-	-	-	-	-	-	-	-	-
		S MEMORIAL DR	76+98	-	79+25	LT	26	-	-	222	-	44	-	-	-	-	-	-	-
			80+75	-	81+75	LT	-	-	-	28	-	-	-	-	-	-	-	-	-
	STAGE 1 SUBTOTAL						384	1,936	276	405	-	214	10,896	180	26	-	29	49	58
0010	2	DURAND AVE	141+03	-	146+00	LT	98	506	-	-	-	-	3,149	40	-	-	-	-	-
			146+00	-	152+00	LT	149	630	-	-	-	-	3,913	40	-	44	-	-	-
			152+00	-	158+00	LT	114	976	-	-	-	208	4,544	20	-	-	-	-	-
			158+00	-	163+75	LT	143	359	-	298	-	52	3,496	80	-	-	35	46	87
		MADISON ST	10+50	-	11+00		-	100	-	-	-	-	508	-	-	-	-	-	-
		HAMILTON AVE	70+65	-	71+00	NORTH	19	72	-	-	-	-	278	-	-	-	-	-	-
		S MEMORIAL DR	76+98	-	79+25	RT	-	-	-	232	-	-	-	-	-	-	-	-	-
			80+75	-	81+75	RT	-	-	-	180	-	-	-	-	-	-	-	-	-
	STAGE 2 SUBTOTAL						523	2,643	-	710	-	260	15,888	180	-	44	35	46	87
0010	3	DURAND AVE	158+00	-	163+75	RT	-	624	141	-	64	-	3,259	-	-	-	-	46	-
	STAGE 3 SUBTOTAL						-	624	141	-	64	-	3,259	-	-	-	-	46	-
						SUBTOTAL												141	145
						TOTAL 0010	907	5,203	417	1,115	64	474	30,043	360	26	44	64	286	

STORM SEWER PIPES (1 OF 2)

					608.0315	608.0318	608.0412	608.0415	608.0418	608.3012	608.3015	608.3018	608.3024
					STORM SEWER PIPE								
					REINFORCED CONCRETE								
					CLASS III		CLASS IV			CLASS III-A			
FROM	TO	INLET	DISCH	SLOPE	15-INCH	18-INCH	12-INCH	15-INCH	18-INCH	12-INCH	15-INCH	18-INCH	24-INCH
STR	STR	ELEV	ELEV	%	LF	LF	LF	LF	LF	LF	LF	LF	LF
80B	80	626.64	626.41	1.00%	-	-	22.8	-	-	-	-	-	-
80A	80	626.54	626.30	2.00%	-	-	12.2	-	-	-	-	-	-
80	8	624.33	624.10	0.70%	33.2	-	-	-	-	-	-	-	-
8	81	-	-	-	-	-	-	-	-	-	-	-	-
81B	81	627.04	626.95	1.00%	-	-	8.8	-	-	-	-	-	-
81A	81	627.06	626.64	1.00%	-	-	42.2	-	-	-	-	-	-
81	7	-	-	-	-	-	-	-	-	-	-	-	-
7	6	-	-	-	-	-	-	-	-	-	-	-	-
9C	9	625.75	625.28	1.00%	-	-	47.0	-	-	-	-	-	-
9B	9A	624.93	624.63	1.00%	-	-	30.0	-	-	-	-	-	-
9A	9	624.38	624.29	1.00%	-	-	-	9.0	-	-	-	-	-
9	18	624.29	623.45	0.50%	-	-	-	169.0	-	-	-	-	-
18B	18	624.38	623.96	1.00%	-	-	42.0	-	-	-	-	-	-
18A	18	623.94	623.85	1.00%	-	-	9.0	-	-	-	-	-	-
18	17	623.35	620.98	1.44%	-	-	-	164.0	-	-	-	-	-
17D	17	622.67	622.24	1.00%	-	-	43.0	-	-	-	-	-	-
17B	17A	621.80	621.46	1.00%	-	-	34.3	-	-	-	-	-	-
17A	17	621.46	621.28	2.00%	-	-	-	-	-	9.0	-	-	-
17	15	620.73	616.77	1.88%	-	-	-	-	-	-	-	211.0	-
60A	60	622.02	621.57	2.00%	-	-	22.7	-	-	-	-	-	-
60B	60	621.97	621.85	1.00%	-	-	12.3	-	-	-	-	-	-
60	16	619.51	619.40	0.49%	-	22.3	-	-	-	-	-	-	-
16	15B	619.40	619.06	0.23%	-	-	-	-	-	-	-	-	-
15B	14D	619.06	618.80	0.22%	-	-	-	-	-	-	-	-	-
15A	15	620.92	620.74	2.00%	-	-	9.0	-	-	-	-	-	-
15	14	616.67	614.51	1.88%	-	-	-	-	-	-	-	115.0	-
14D	14	615.31	614.51	2.00%	-	-	-	-	-	-	-	39.9	-
14C	14B	619.89	619.53	1.00%	-	-	36.1	-	-	-	-	-	-
14B	14A	619.53	619.17	1.00%	-	-	36.2	-	-	-	-	-	-
14A	14	619.17	618.99	2.00%	-	-	-	-	-	9.0	-	-	-
14	13	614.01	612.91	1.00%	-	-	-	-	-	-	-	-	110.0
13B	13	620.27	619.85	1.00%	-	-	42.0	-	-	-	-	-	-
13A	13	620.02	619.84	2.00%	-	-	9.0	-	-	-	-	-	-
13	12	612.81	611.17	1.00%	-	-	-	-	-	-	-	-	163.6
12F	12E	619.48	619.28	2.00%	-	-	10.0	-	-	-	-	-	-
12E	12	619.28	619.10	2.00%	-	-	9.0	-	-	-	-	-	-
12D	12C	619.64	619.54	1.00%	-	-	10.0	-	-	-	-	-	-
12C	12B	619.54	619.02	2.00%	-	-	26.0	-	-	-	-	-	-
12B	12A	619.02	618.86	2.00%	-	-	-	-	-	7.9	-	-	-
12A	12	618.86	618.52	2.00%	-	-	-	-	-	17.0	-	-	-
SUBTOTALS					33.2	22.3	513.6	342.0	0.0	42.9	0.0	365.9	273.6

NOTES:
1. PIPE LENGTHS ARE FROM CENTER TO CENTER OF STRUCTURES.

STORM SEWER PIPES (2 OF 2)

					608.0315	608.0318	608.0412	608.0415	608.0418	608.3012	608.3015	608.3018	608.3024
					STORM SEWER PIPE								
					REINFORCED CONCRETE								
					CLASS III		CLASS IV			CLASS III-A			
FROM	TO	INLET	DISCH	SLOPE	15-INCH	18-INCH	12-INCH	15-INCH	18-INCH	12-INCH	15-INCH	18-INCH	24-INCH
STR	STR	ELEV	ELEV	%	LF	LF	LF	LF	LF	LF	LF	LF	LF
12	4	611.07	609.74	1.30%	-	-	-	-	-	-	-	-	101.9
11C	11B	620.40	619.74	2.00%	-	-	33.1	-	-	-	-	-	-
11B	11A	619.74	618.83	2.00%	-	-	45.6	-	-	-	-	-	-
11A	11	618.58	617.77	2.00%	40.5	-	-	-	-	-	-	-	-
11	10	-	-	-	-	-	-	-	-	-	-	-	-
4C	4A	620.46	619.86	2.00%	-	-	30.0	-	-	-	-	-	-
4B	4A	619.95	619.50	1.00%	-	-	45.1	-	-	-	-	-	-
4A	4	619.50	618.93	1.00%	-	-	56.7	-	-	-	-	-	-
10	4	-	-	-	-	-	-	-	-	-	-	-	-
4	3	-	-	-	-	-	-	-	-	-	-	-	-
3	2	-	-	-	-	-	-	-	-	-	-	-	-
2	1	-	-	-	-	-	-	-	-	-	-	-	-
1H	1G	614.79	614.55	2.00%	-	-	12.0	-	-	-	-	-	-
1G	1	614.55	614.17	2.00%	-	-	19.1	-	-	-	-	-	-
1C	1B	612.47	612.24	2.00%	-	-	-	11.6	-	-	-	-	-
1B	1	611.99	611.19	2.50%	-	32.0	-	-	-	-	-	-	-
1A	1	-	-	-	-	-	-	-	-	-	-	-	-
1	EXIST	-	-	-	-	-	-	-	-	-	-	-	-
24C	24B	620.11	619.91	2.00%	-	-	10.0	-	-	-	-	-	-
24B	24	619.91	619.01	2.00%	-	-	45.0	-	-	-	-	-	-
24A	24	620.51	620.41	1.00%	-	-	10.5	-	-	-	-	-	-
24	3	618.76	618.02	1.00%	-	-	-	-	-	-	74.5	-	-
23E	23	619.47	619.36	1.00%	-	-	10.6	-	-	-	-	-	-
23C	23B	620.22	619.97	2.00%	-	-	12.5	-	-	-	-	-	-
23B	23A	619.72	618.99	1.00%	-	-	-	72.6	-	-	-	-	-
23A	23	618.99	618.64	1.00%	-	-	-	35.4	-	-	-	-	-
23	2	618.39	617.84	1.00%	-	-	-	-	55.2	-	-	-	-
20D	20C	619.61	619.41	2.00%	-	-	10.0	-	-	-	-	-	-
20C	20	619.41	618.06	2.00%	-	-	67.5	-	-	-	-	-	-
20B	20A	619.98	619.78	2.00%	-	-	10.0	-	-	-	-	-	-
20A	20	619.78	619.56	2.00%	-	-	11.2	-	-	-	-	-	-
20	19	613.94	613.47	0.60%	-	-	-	-	-	-	-	78.1	-
19D	19	-	-	-	-	-	-	-	-	-	-	-	-
19C	19B	620.67	619.97	2.00%	-	-	35.1	-	-	-	-	-	-
19B	19	619.97	619.74	2.00%	-	-	-	-	-	11.5	-	-	-
19	3	613.37	612.20	2.30%	-	-	-	-	-	-	-	50.7	-
SUBTOTALS					40.5	32.0	464.0	119.6	55.2	11.5	74.5	128.8	101.9
TOTAL 0010					73.7	54.3	977.6	461.6	55.2	54.4	74.5	494.7	375.5

NOTES:
1. PIPE LENGTHS ARE FROM CENTER TO CENTER OF STRUCTURES.

STORM SEWER STRUCTURES (1 OF 2)

STR NUMBER	STATION	OFFSET	RIM ELEV	INVERT ELEV	STR DEPTH FEET	611.0420 RECONSTRUCTING MANHOLES EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.04 CATCH BASINS 8-FT DIAMETER EACH	COMMENTS
80B	145+77.5	50.0' LT	630.02	626.64	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
80A	145+42.5	50.0' LT	629.92	626.54	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
80	145+54.7	50.0' LT	630.32	624.33	4.74	-	1	-	-	-	-	1	-	-	-	-	1	-	-
8	145+54.5	16.8' LT	630.22	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE
81B	145+00.0	25.5' LT	630.42	627.04	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
81A	145+00.0	25.5' RT	630.44	627.06	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
81	145+00.0	16.7' LT	630.59	-	-	-	1	-	-	-	-	1	-	-	-	1	1	-	-
7	143+80.3	16.6' LT	630.97	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
9C	146+60.0	25.5' LT	629.46	625.75	4.71	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
9B	147+05.7	42.6' RT	628.31	624.93	4.38	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
9A	146+81.0	25.5' RT	628.89	624.38	5.51	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
9	146+81.0	16.5' RT	629.06	624.29	3.52	-	1	-	-	-	-	1	-	-	-	-	1	-	-
18B	148+50.0	25.5' LT	627.76	624.38	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
18A	148+50.0	25.5' RT	627.32	623.94	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
18	145+50.0	16.5' RT	627.49	623.35	2.89	-	1	-	-	-	-	1	-	-	-	-	1	-	-
17D	150+10.0	25.5' LT	626.05	622.67	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
17B	150+35.9	52.4' RT	625.72	621.80	2.67	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE
17A	150+14.6	25.5' RT	625.84	621.46	5.38	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
17	150+14.0	16.5' RT	626.02	620.73	4.04	-	1	-	-	-	-	1	-	-	-	-	1	-	-
60A	150+52.5	45.0' LT	625.40	622.02	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
60B	150+87.5	43.6' LT	625.35	621.97	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
60	150+75.3	45.0' LT	625.65	619.51	4.89	-	1	-	-	-	-	1	-	-	-	-	1	-	-
16	150+75.1	22.7' LT	625.44	619.40	4.79	-	1	-	-	-	-	1	-	-	-	-	1	-	-
15B	152+25.0	23.4' LT	624.55	619.06	4.49	-	-	1	-	-	-	-	-	-	-	-	-	1	FLAT TOP SLAB, 2'X3' OPENING
15A	152+25.0	25.5' RT	624.30	620.92	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
15	152+25.0	16.5' RT	624.56	616.67	6.64	-	1	-	-	-	-	1	-	-	-	-	1	-	-
14D	153+39.8	23.4' LT	624.09	615.31	7.78	-	-	1	-	-	-	-	-	-	-	-	-	1	FLAT TOP SLAB, 2'X3' OPENING. USE FLAT CURB PLATE CASTING WITHIN DRIVEWAY LIMITS.
14C	154+04.8	45.9' RT	623.27	619.89	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
14B	153+69.8	46.1' RT	623.35	619.53	4.82	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
14A	153+40.0	25.5' RT	623.84	619.17	5.67	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
14	153+40.0	16.5' RT	624.09	614.01	8.83	-	1	-	-	-	-	1	-	-	-	-	1	-	-
13B	154+50.0	25.5' LT	623.65	620.27	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
13A	154+50.0	25.5' RT	623.40	620.02	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
13	154+50.0	16.5' RT	623.65	612.81	9.59	-	1	-	-	-	-	1	-	-	-	-	1	-	-
12F	156+03.6	25.5' RT	622.86	619.48	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO WEST SIDE OF STRUCTURE. INVERT ELEV = 619.67
12E	156+13.6	25.5' RT	622.86	619.28	4.58	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO EAST SIDE OF STRUCTURE. INVERT ELEV = 619.78
12D	156+22.8	35.0' LT	623.02	619.64	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO EAST SIDE OF STRUCTURE. INVERT ELEV = 619.93
12C	156+12.8	34.3' LT	622.99	619.54	4.45	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO WEST SIDE OF STRUCTURE. INVERT ELEV = 619.93
12B	156+14.5	8.4' LT	623.74	619.02	5.72	-	-	1	-	-	1	-	-	-	-	-	1	-	-
12A	156+13.6	0.5' LT	623.61	618.86	5.75	-	-	1	-	-	1	-	-	-	-	-	1	-	-
SUBTOTALS						**2**	**13**	**27**	**6**	**0**	**19**	**10**	**0**	**0**	**0**	**1**	**35**	**2**	

NOTES:

1. RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE OF STRUCTURES WITHIN CURB LINES. RIM ELEVATIONS ARE GIVEN AT THE CENTER OF ALL OTHER STRUCTURES.
2. STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES.
3. STRUCTURE DEPTH: RIM ELEV - INVERT ELEV - CASTING HEIGHT - 6" ADJUSTMENT (+24" FOR CATCH BASINS)
4. CASTING HEIGHT = 6" FOR TYPES H COVERS AND 9" FOR TYPE J COVERS.

STORM SEWER STRUCTURES (2 OF 2)

STR NUMBER	STATION	OFFSET	RIM ELEV	INVERT ELEV	STR DEPTH FEET	611.0420 RECONSTRUCTING MANHOLES EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0624 INLET COVERS TYPE H EACH	611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1005 CATCH BASINS 5-FT DIAMETER EACH	611.1230 CATCH BASINS 2X3-FT EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	SPV.0060.04 CATCH BASINS 8-FT DIAMETER EACH	COMMENTS
12	156+13.6	16.5' RT	623.12	611.07	10.80	-	1	-	-	-	-	-	1	-	-	-	1	-	-
11C	157+60.0	42.5' LT	623.78	620.40	4.38	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
11B	157+37.0	66.3' LT	623.30	619.74	4.56	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
11A	156+92.1	57.9' LT	623.42	618.58	5.84	-	-	1	1	-	-	-	-	-	-	-	1	-	-
11	156+81.4	18.9' LT	623.72	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE
4C	157+64.1	27.5' RT	623.84	620.46	4.38	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
4B	156+97.1	44.2' RT	623.33	619.95	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
4A	157+42.1	47.9' RT	623.36	619.50	4.86	-	-	1	-	1	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
10	157+13.2	19.7' LT	623.88	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
4	157+13.9	1.4' LT	624.01	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE
3	158+62.8	2.5' LT	624.77	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE. REPLACE TOP 4 STEPS.
2	160+24.2	0.3' LT	623.91	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE. REPLACE TOP 3 STEPS.
1H	162+25.0	3.5' RT	618.17	614.79	4.38	-	-	1	-	-	1	-	-	-	-	1	1	-	-
1G	162+25.0	8.5' LT	618.05	614.55	4.50	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
1C	162+50.2	39.9' LT	616.99	612.47	4.02	1	-	-	-	-	-	-	-	1	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE
1B	162+40.0	34.5' LT	616.91	611.99	5.92	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
1A	162+38.8	32.0' RT	616.98	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
1	162+43.2	2.7' LT	617.80	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	CONNECT PROPOSED STORM SEWER PIPE. REPLACE TOP 3 STEPS.
24C	81+31.8	34.6' LT	623.49	620.11	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO NORTH SIDE OF STRUCTURE. INVERT ELEV = 620.76
24B	81+22.2	37.2' LT	623.32	619.91	4.41	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING. CONNECT PIPE UNDERDRAIN 6-INCH TO SOUTH SIDE OF STRUCTURE. INVERT ELEV = 620.27
24A	80+74.3	31.3' LT	623.89	620.51	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	-
24	80+77.0	41.4' LT	623.78	618.76	3.77	-	1	-	-	-	-	1	-	-	-	-	1	-	-
23E	160+08.0	54.7' LT	622.85	619.47	4.38	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
23C	81+29.0	36.0' RT	623.60	620.22	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO NORTH SIDE OF STRUCTURE. INVERT ELEV = 620.72
23B	81+19.0	37.0' RT	623.53	619.72	4.81	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING. CONNECT PIPE UNDERDRAIN 6-INCH TO SOUTH SIDE OF STRUCTURE. INVERT ELEV = 620.09
23A	159+63.4	47.9' LT	623.62	618.99	5.63	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
23	160+02.2	33.6' LT	623.06	618.39	3.42	-	1	-	-	-	-	1	-	-	-	-	1	-	-
20D	78+70.0	49.0' RT	622.99	619.61	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO SOUTH SIDE OF STRUCTURE. INVERT ELEV = 619.95
20C	78+79.9	50.8' RT	622.93	619.41	3.77	-	1	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO NORTH SIDE OF STRUCTURE. INVERT ELEV = 619.79
20B	78+68.9	26.9' LT	623.36	619.98	4.38	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO SOUTH SIDE OF STRUCTURE. INVERT ELEV = 620.35
20A	78+78.8	27.9' LT	623.31	619.78	4.53	-	-	1	-	-	1	-	-	-	-	-	1	-	CONNECT PIPE UNDERDRAIN 6-INCH TO NORTH SIDE OF STRUCTURE. INVERT ELEV = 620.48
20	78+78.9	16.7' LT	623.56	613.94	8.37	-	1	-	-	-	-	1	-	-	-	-	1	-	-
19D	79+36.4	41.8' RT	623.52	-	-	-	-	1	-	-	1	-	-	-	-	-	1	-	-
19C	158+39.6	45.8' RT	624.05	620.67	4.38	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
19B	79+60.6	27.9' LT	624.25	619.97	5.28	-	-	1	1	-	-	-	-	-	-	-	1	-	FLAT TOP SLAB, 2'X3' OPENING
19	79+57.0	17.0' LT	624.25	613.37	9.63	-	1	-	-	-	-	-	1	-	-	-	1	-	-
SUBTOTALS						**6**	**12**	**23**	**12**	**1**	**10**	**3**	**2**	**1**	**1**	**1**	**28**	**0**	
TOTAL 0010						**8**	**25**	**50**	**18**	**1**	**29**	**13**	**2**	**1**	**1**	**2**	**63**	**2**	

NOTES:

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3. STRUCTURE DEPTH: RIM ELEV - INVERT ELEV - CASTING HEIGHT - 6" ADJUSTMENT (+24" FOR CATCH BASINS)
4. CASTING HEIGHT = 6" FOR TYPES H COVERS AND 9" FOR TYPE J COVERS.

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SANITARY SEWER MANHOLE COVERS

CATEGORY	STAGE	ROADWAY	STATION	LOCATION	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH
0050	1	DURAND AVE	150+56	29' RT	1
	STAGE 1 SUBTOTAL				1
0050	2	DURAND AVE	143+92	19' LT	1
			146+15	30' LT	1
			150+70	30' LT	1
			154+64	30' LT	1
			157+20	30' LT	1
			159+05	31' LT	1
			159+31	61' LT	1
			159+97	32' LT	1
	STAGE 2 SUBTOTAL				8
				TOTAL 0050	9

EROSION CONTROL

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	# 624.0100 WATER MGAL	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7560 TRACKING PADS EACH
0010	1	DURAND AVE	141+03	-	146+00		-	-	-	1	-	7	1
			146+00	-	152+00		-	-	-	4	-	6	-
			152+00	-	158+00		-	-	-	10	1	14	-
			158+00	-	164+00		-	-	-	3	2	8	1
			164+00	-	168+00		-	-	-	-	-	4	-
		S MEMORIAL DR	76+98	-	79+25		-	-	-	-	2	5	1
			80+75	-	81+75		-	-	-	-	-	-	1
	STAGE 1 SUBTOTAL						48	-	-	18	5	44	4
0010	2	DURAND AVE	141+03	-	146+00		-	-	-	3	-	3	1
			146+00	-	152+00		-	-	-	5	-	5	-
			152+00	-	158+00		-	-	-	9	-	9	-
			158+00	-	164+00		-	-	-	5	-	5	1
		S MEMORIAL DR	76+98	-	79+25		-	-	-	2	-	2	1
			80+75	-	81+75		-	-	-	5	-	5	1
	STAGE 2 SUBTOTAL						50	-	-	29	-	29	4
0010	3	DURAND AVE	158+00	-	164+00		-	-	-	1	-	1	-
	STAGE 3 SUBTOTAL						4	-	-	1	-	1	-
						UNDISTRIBUTED	10	5	5	5	1	7	1
						TOTAL 0010	112	5	5	53	6	81	9

UNDERDRAIN

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	612.0106 PIPE UNDERDRAIN 6-INCH LF	612.0404 PIPE UNDERDRAIN WRAPPED 4-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	1	DURAND AVE	152+00	-	158+00	RT	100	-	45
			158+00	-	163+75	RT	-	60	-
		S MEMORIAL DR	76+98	-	79+25	LT	100	-	45
	STAGE 1 SUBTOTAL						200	60	90
0010	2	DURAND AVE	152+00	-	158+00	LT	100	-	45
		S MEMORIAL DR	76+98	-	79+25	RT	100	-	45
			80+75	-	81+75	LT & RT	200	-	89
	STAGE 2 SUBTOTAL						400	-	179
						TOTAL 0010	600	60	269

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RESTORATION

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	625.0100 TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
0010	1	DURAND AVE	141+03	-	146+00		461	0.30	10.38	461
			146+00	-	152+00		298	0.19	6.71	298
			152+00	-	158+00		296	0.19	6.66	296
			158+00	-	163+75		29	0.02	0.66	29
		COOLIDGE AVE	19+10	-	19+50		44	0.03	0.99	44
		PACKARD AVE	49+05	-	49+50		64	0.04	1.44	64
		HAMILTON AVE	59+25	-	59+50	SOUTH	13	0.01	0.30	13
		S MEMORIAL DR	76+98	-	79+25		119	0.08	2.68	119
			80+75	-	81+75		16	0.01	0.36	16
	STAGE 1 SUBTOTAL						1,340	0.87	30.18	1,340
0010	2	DURAND AVE	141+03	-	146+00		198	0.13	4.46	198
			146+00	-	152+00		196	0.13	4.41	196
			152+00	-	158+00		85	0.06	1.92	85
			158+00	-	163+75		188	0.12	4.23	188
		MADISON ST	10+50	-	11+00		78	0.05	1.76	78
		HAMILTON AVE	70+65	-	71+00	NORTH	37	0.03	0.84	37
		S MEMORIAL DR	76+98	-	79+25		118	0.08	2.66	118
			80+75	-	81+75		66	0.05	1.49	66
	STAGE 2 SUBTOTAL						966	0.65	21.77	966
						UNDISTRIBUTED	230	0.15	5.20	230
						TOTAL 0010	**2,536**	**1.67**	**57.15**	**2,536**

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TREE PLANTINGS

CATEGORY	ROADWAY	STATION & OFFSET LOCATION TO CENTER OF TREE	632.0101.01 TREES ARMSTRONG FREEMAN MAPLE, 2.5" CAL., B&B EACH	632.0101.02 TREES FRONTIER HYBRID ELM, 2.5" CAL., B&B) EACH	632.0101.03 TREES AMERICAN SENTRY LINDEN, 2.5" CAL., B&B EACH	632.9101 LANDSCAPE PLANTING SURVEILLANCE AND CARE CYCLES EACH	SPV.0180.01 SHREDDED HARDWOOD BARK MULCH SY
0020	DURAND AVE	141+30, 28.5' RT	1	-	-	-	2
		141+80, 28.5' RT	1	-	-	-	2
		142+50, 28.5' RT	1	-	-	-	2
		143+00, 28.5' RT	1	-	-	-	2
		143+85, 28.5' RT	1	-	-	-	2
		144+75, 28.5' RT	1	-	-	-	2
		147+75, 28.5' RT	-	1	-	-	2
		148+60, 28.5' RT	-	1	-	-	2
		155+10, 28.5' RT	-	-	1	-	2
		156+50, 28.5' RT	-	-	1	-	2
		TOTAL 0020	**6**	**2**	**2**	**10**	**20**

PLANT DATA CHART

COMMON NAME	SCIENTIFIC NAME	AVERAGE MATURE HEIGHT AND WIDTH	PLANTING SIZE	ROOT ZONE MODE	MINIMUM SIZE BALL/POT DIAMETER	MINIMUM SIZE BALL/POT DEPTH	MINIMUM SIZE PLANT HOLE DIAMETER	MINIMUM SIZE PLANT HOLE DEPTH	BRACE OR GUY	FERTILIZER UNITS REQUIRED	RODENT PROTECTION REQUIRED	MULCH RING DIMENSIONS
ARMSTRONG FREEMAN MAPLE	ACER X FREEMANII 'ARMSTRONG'	55' H, 20' W	2.5" CAL.	B&B	VARIES	VARIES	2X BALL DIAMETER	SAME AS BALL DEPTH	NONE	3	NO	4' X 4'
FRONTIER HYBRID ELM	ULMUS AMERICANA 'FRONTIER'	45' H, 30' W	2.5" CAL.	B&B	VARIES	VARIES	2X BALL DIAMETER	SAME AS BALL DEPTH	NONE	3	NO	4' X 4'
AMERICAN SENTRY LINDEN	TILIA AMERICANA 'SENTRY'	50' H, 30' W	2.5" CAL.	B&B	VARIES	VARIES	2X BALL DIAMETER	SAME AS BALL DEPTH	NONE	3	NO	4' X 4'

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [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"X 6"x18' [EA]	634.0814 POSTS TUBULAR STEEL 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	R7-1D (2S)	--	18	x	24	3.000	--	--	1	--		1	--	--	--
2	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	1	--	--	--
3	-- R1-1(2S)	--		x						1	--	1	1	--	--
4	J4-1 (2S)	--	24	x	36	6.000		--	1	1	1	--	--	--	--
--	-- M3-2	--	24	x	12			--	--	--	--	--	--	--	--
--	-- M1-6	STH 11	24	x	24			--	--	--	--	--	--	--	--
5	R1-1(2S)	--		x						1	--	1	1	--	--
6	-- R7-1D (2S)			x				--		--	--	1	1	--	REMOVE FROM UTILITY POLE
7	-- R7-1D (2S)	--		x				--		--		1	1	--	--
8	-- R2-1(2S)	SPEED LIMIT 30	24	x	30	5.000		--	1	--	--	1	--	--	--
9	-- R2-1(2S)	SPEED LIMIT 30	24	x	30	5.000		--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
10	J4-1 (2S)	--	24	x	36	6.000		--	1	--	--	--	--	--	--
--	-- M3-4	--	24	x	12			--	--	--	--	--	--	--	--
--	-- M1-6	STH 11	24	x	24			--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
11	-- R1-1(2S)	--	30	x	30	5.180		--	1	--	--	1	--	--	
12	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
13	-- R2-1(2S)	SPEED LIMIT 30	24	x	30	5.000		--	1	--	--	1	--	--	--
14	R1-1(2S)	--	30	x	30	5.180			1	1	--	1	--	--	--
15	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	1	--	--	--
16	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--		--	--	MOUNT ON LIGHT POLE
17	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
18	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
19	JV1-1(2)	--	24	x	75	12.500		--	1	--	1	--	--	--	--
--	-- M4-6	--	24	x	12			--	--	--	--	--	--	--	--
--	-- M1-6	STH 11	24	x	24			--	--	--	--	--	--	--	--
--	-- M2-1	--	21	x	15			--	--	--	--	--	--	--	--
--	-- M1-6B	STH 32	24	x	24			--	--	--	--	--	--	--	--
20	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	1	--	--	--
21	-- R3-20L(2S)	--	24	x	36	6.000		--	--	--	--		--	--	LIGHT POLE
22	-- R5-1(2S)	--	30	x	30	6.250		--	--	--	--	1	--	--	BOX OUT CONCRETE
23	-- W6-2(2S)	--	36	x	36		9.000	--	--	--	--	--	--	21	LIGHT POLE
24	-- R6-2R (2S)	--	24	x	30	5.000		--	--	--	--	1	--	--	--
25	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
26	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
27	-- M1-94S	DURAND AVE	102	x	18	12.750		--	1	--	--	--	--	--	MOUNT ON SIGNAL ARM
28	-- R6-2R (2S)	--	24	x	30	5.000		--	--	--	--		--	24	--
29	-- W12-1D(2S)	--	24	x	24		4.000	--	--	--	--	1	--	--	2' MOUNTING HEIGHT / (BOX OUT CONC.)
30	-- W12-1D(2S)	--	24	x	24		4.000	--	--	--	--	1	--	--	2' MOUNTING HEIGHT / (BOX OUT CONC.)

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [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"X 6"x18' [EA]	634.0814 POSTS TUBULAR STEEL 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
31	-- R1-1F(2S)	--	30	x	30			5.180	--	--	--	1	--	--	BOX OUT CONCRETE
32	-- R1-1F(2S)	--	30	x	30			5.180	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
33	-- R4-7(2S)	--	24	x	30	5.000		--	--	--	--	--	--	31	--
34	-- R1-1F(2S)	--	30	x	30			5.180	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
35	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
36	-- M1-94H	S. MEMORIAL DR.	102	x	18	12.750		--	1	--	--	--	--	--	MOUNT ON SIGNAL ARM
37	-- R5-1(2S)	--	30	x	30	6.250		--	--	--	--	1	--	--	BOX OUT CONCRETE
38	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
39	-- R2-1(2S)	SPEED LIMIT 30	24	x	30	5.000		--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
40	-- R4-7(2S)	--	24	x	30	5.000		--	--	--	--	--	--	22	--
41	-- W5-54(2S)	--	18	x	18		2.250	--	--	--	--	--	--	40	--
42	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	--	--	--	MOUNT ON LIGHT POLE
43	J4-1 (2S)	--	24	x	36	6.000		--		--	--	--	--	--	--
--	-- M3-4	--	24	x	12			--	--	--	--	--	--	--	--
--	-- M1-6	STH 11	24	x	24			--	--	--	--	--	--	42	
44	-- R1-1F(2S)	--	30	x	30			5.180	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
45	-- W12-1D(2S)	--	24	x	24		4.000	--	--	--	--	1	--	--	2 FOOT MOUNTING HEIGHT (BOX OUT CONC)
46	W12-1D92S)		24	X	24		4.000	--				1			2 FOOT MOUNTING HEIGHT (BOX OUT CONC)
47	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
48	-- M1-94H	S. MEMORIAL DR.	102	x	18	12.750		--	1	--	--	--	--	--	MOUNT ON SIGNAL ARM
49	-- R1-1(2S)	--	36	x	36	7.460		--	1	1	--	1	--	--	--
50	J2-2(2S)	--	24	x	120	20.000		--	1	1	2	--	--	--	--
--	-- M3-1	--	24	x	12			--	--	--	--	--	--	--	--
--	-- M1-6B	--	24	x	24			--	--	--	--	--	--	--	--
--	-- M4-20L	--	24	x	24			--	--	--	--	--	--	--	--
--	-- M3-3	--	24	x	12			--	--	--	--	--	--	--	--
--	-- M1-6B	--	24	x	24			--	--	--	--	--	--	--	--
--	-- M4-20R	--	24	x	24			--	--	--	--	--	--	--	--
51	-- R5-1(2S)	--	30	x	30	6.250		--	--	--	--	--	--	--	MOUNT ON LIGHT POLE
52	-- R5-1A(2S)	--						--	1	1	--		--	--	
53	-- W5-54(2S)	--						--	1	1	--	--	--	--	--
54	-- R4-7(2S)	--						--		--	--	--	--	--	REMOVAL AS PART OF SIGN #53
55	-- R3-8LLR(2S)	--	54	x	30	11.250		--	1	2	--	2	--	--	CORE CONC. FOR POST BOX OUT
56	-- R5-1(2S)	--	30	x	30	6.250		--	1	1	--	1	--	--	
57	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	1	--	--	--
58	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	1	--	--	BOX OUT CONCRETE
59	-- R7-1D (2S)	--	18	x	24	3.000		--	1	--	--	1	--	--	BOX OUT CONCRETE
60	-- R6-2R(2S)	--	24	x	30	5.000		--	--	--	--	1	--	--	BOX OUT CONCRETE
61	-- R6-2R(2S)	--	24	x	30	5.000		--	--	--	--	1	--	--	BOX OUT CONCRETE

3

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [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"X 6"x18' [EA]	634.0814 POSTS TUBULAR STEEL 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
62	NOT USED							--							
63	-- R1-1(2S)	--	30	x	30	5.180		--	1	1	--	1	--	--	--
64	-- M1-94S	DURAND AVE	102	x	18	12.750		--	1	--	--	--	--	--	MOUNT ON SIGNAL ARM
65	NOT USED							--							
66	NOT USED							--							
67	NOT USED							--							
68	NOT USED							--							
69	NOT USED							--							
70	-- R4-7(2S)	--	24	x	30	5.000		--	--	--	--	1	--	--	BOX OUT CONCRETE
71	-- R1-1F(2S)	--	30	x	30			5.180	--	--	--	--	--	70	--
72	-- R1-1F(2S)	--	30	x	30			5.180	--	--	--	--	--	--	MOUNT ON SIGNAL POLE
73	-- R7-1D (2S)	--	18	x	24	3.000		--	--	--	--	--	--	8	SEE SHEET 2
74	-- W6-1(2S)	--	36	x	36		9.000	--	--	--		1	--		SEE SHEET 4 OF 6
75	R7-1D(2S)		18	X	24	3.000								10	SHEET 2 OF 6
76	-- R7-1D (2S)	--	18	x	24	3.000		--	--	--	--	--	--	13	SEE SHEET 3 OF 6
77	-- R7-1D (2S)	--	18	x	24	3.000		--	--	--	--		--	--	SEE SHEET 3 OF 6, light Pole
78	-- R3-20L(2S)		24	x	36	6.000		--	--	--	--	--	--	51	SEE SHEET 5 OF6
79	-- R7-1D (2S)	--	18	x	24	3.000		--	1	1	--	1	--	--	SEE SHEET 2 OF 6
80	-- W6-2(2S)	--	36	x	36		9.000	--	--	--	--	--	--	--	SEE SHT 4 OF 6/ BOX OUT CONCRETE
81	-- R6-2L(2S)	--	24	x	30	5.000		--	--	--	--		--	--	SHEET 4 , SIGNAL POLE
82	-- R5-1(2S)	--	30	x	30	6.250		--	--	--	--	--	--	--	SHEET 4, SIGNAL POLE
83	R6-2L(2S)		24	x	30	5.000	--	--	--	--	--	--	--		SHEET 4, SIGNAL POLE
84	R6-3(2S)		30	x	24	5.000	--	--	--	--	--	--	--	34	SHEET 4
85	R9-3A(1)		18	x	18	2.250	--	--	--	--	--	1	--		SHEET 4
85a	R9-3BL(2S)		18	x	12	1.500	--		--	--	--	--	--	85	SHEET 4
86	R9-3A(1)		18	x	18	2.250	--	--	--	--	--	1	--		SHEET 4
86a	R9-3BL(2S)		18	x	12	1.500	--	--	--	--	--	--	--	86	SHEET 4
87	R6-3(2S)		30	x	24	5.000	--	--	--	--	--	--	--		SHEET5, SIGNAL POLE
--	--	Undistributed Quantities	--	x	--	--	--	--	2	2	2	2	2	--	--
TOTALS						344.940	45.250	31.080	38	23	6	45	6		

3

SHEET 3 OF 3

3

DETOUR

CATEGORY	STAGE	ROADWAY CLOSURE	## 643.0420 TRAFFIC CONTROL BARRICADES TYPE III + EACH	DAY	## 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A + EACH	DAY	## 643.0900 TRAFFIC CONTROL SIGNS DAY	### 643.1050 TRAFFIC CONTROL SIGNS PCMS + EACH	DAY	+ CLOSURE DURATION (CALENDAR DAYS)
0010	1	DURAND AVE	1	70	2	140	3,360	2	10	70
		TOTAL 0010		**70**		**140**	**3,360**		**10**	

+ FOR INFORMATION ONLY.

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TRAFFIC CONTROL" AND "PEDESTRIAN DETOUR" TABLES.
ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TRAFFIC CONTROL" TABLE.

PEDESTRIAN DETOUR

CATEGORY	STAGE	ROADWAY CLOSURE	LOCATION	# 643.0410 TRAFFIC CONTROL BARRICADES TYPE II + EACH	DAY	## 643.0420 TRAFFIC CONTROL BARRICADES TYPE III + EACH	DAY	## 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A + EACH	DAY	## 643.0900 TRAFFIC CONTROL SIGNS + EACH	DAY	644.1601 TEMPORARY PEDESTRIAN CURB RAMP + EACH	DAY	#### 644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	+ CLOSURE DURATION (CALENDAR DAYS)
0010	2	MADISON ST		11	154	2	28	15	210	17	238	1	14	78	14
		HAMILTON AVE	NORTH	5	70	2	28	9	126	7	98	-	-	-	14
		WELLINGTON DR		11	154	2	28	15	210	17	238	1	14	78	14
		TOTAL 0010		**378**		**84**		**546**		**574**		**28**		**156**	

+ FOR INFORMATION ONLY.
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ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TRAFFIC CONTROL" AND "DETOUR" TABLES.
ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TEMPORARY PEDESTRIAN ACCOMMODATIONS" TABLE.

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TEMPORARY PEDESTRIAN ACCOMMODATIONS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	#### 644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
0010	1B	DURAND AVE	158+00	-	164+00	LT & RT	72
	2	DURAND AVE	158+00	-	164+00	RT	64
	3	DURAND AVE	158+00	-	164+00	LT & RT	192
						TOTAL 0010	**328**

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "PEDESTRIAN DETOUR" TABLE.

TRAFFIC CONTROL (1 OF 3)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS + EACH	DAY	# 643.0410 TRAFFIC CONTROL BARRICADES TYPE II + EACH	DAY	# 643.0420 TRAFFIC CONTROL BARRICADES TYPE III + EACH	DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	# 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A + EACH	DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C + EACH	DAY	## 643.0900 TRAFFIC CONTROL SIGNS + EACH	DAY	### 643.1050 TRAFFIC CONTROL SIGNS PCMS + EACH	DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH + EACH	DAY	643.5000 TRAFFIC CONTROL EACH	+ STAGE DURATION (CALENDAR DAYS)
0010	1	DURAND AVE	141+03	-	146+00	LT	20		1		9		-	-	19		-		12		1		-		-	
			146+00	-	152+00	LT	24		-		15		-	-	30		-		13		-		-		-	
			152+00	-	158+00	LT	24		-		14		-	-	28		-		14		-		-		-	
			158+00	-	164+00	LT	30		2		14		-	-	30		-		11		-		-		-	
			164+00	-	167+00	LT	11		1		2		-	-	5		-		3		1		-		-	
		STH 32	-	-	-	-	26		-		2		-	-	4		-		5		-		-		-	
	STAGE 1 SUBTOTAL						135	9,450	4	280	56	3,920	-	-	116	8,120	-	-	58	4,060	2	10	-	-	-	70
0010	1A	S MEMORIAL DR	68+00	-	70+00	RT	8		-		1		-	-	2		8		4		1		-		-	
			70+00	-	76+00	LT & RT	22		-		3		12	12	6		2		6		-		-		-	
			76+00	-	82+00	RT	26		-		1		19	19	2		2		17		-		-		-	
			82+00	-	88+00	RT	24		-		3		11	11	6		5		4		-		-		-	
			88+00	-	91+00	RT	9		-		1		-	-	2		8		5		1		-		-	
	STAGE 1A SUBTOTAL						89	4,984	-	-	9	504	42	42	18	1,008	25	1,400	36	2,016	2	10	-	-	-	56
0010	1B	S MEMORIAL DR	68+00	-	70+00	RT	8		-		1		-	-	2		8		4		-		-		-	
			70+00	-	76+00	RT & LT	24		-		2		9	9	4		2		6		-		-		-	
			76+00	-	82+00	LT	33		2		14		20	20	30		-		19		-		-		-	
			82+00	-	88+00	LT & RT	26		-		2		10	10	4		-		2		-		-		-	
			88+00	-	91+00	LT	8		-		1		-	-	2		6		5		-		-		-	
	STAGE 1B SUBTOTAL						99	1,386	2	0	20	280	39	39	42	588	16	224	36	504	-	-	-	-	-	14
						SUBTOTAL		15,820		280		4,704	81	81		9,716		1,624		6,580		20		-	-	

+ FOR INFORMATION ONLY
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ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "DETOUR" TABLE.

TRAFFIC CONTROL (2 OF 3)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS + EACH	DAY	# 643.0410 TRAFFIC CONTROL BARRICADES TYPE II + EACH	DAY	# 643.0420 TRAFFIC CONTROL BARRICADES TYPE III + EACH	DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	# 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A + EACH	DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C + EACH	DAY	## 643.0900 TRAFFIC CONTROL SIGNS + EACH	DAY	### 643.1050 TRAFFIC CONTROL SIGNS PCMS + EACH	DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH + EACH	DAY	643.5000 TRAFFIC CONTROL EACH	+ STAGE DURATION (CALENDAR DAYS)
0010	2	DURAND AVE	141+03	-	146+00	RT	7		1		14		30	30	29		7		20		-		40			
			146+00	-	152+00	RT	-		-		9		19	19	18		-		18		-		48			
			152+00	-	158+00	RT	5		-		8		19	19	16		-		14		-		37			
			158+00	-	164+00	RT & LT	34		2		4		17	17	10		-		13		-		-			
			164+00	-	167+00	LT	27		1		5		-	-	11		-		8		-		-			
		STH 32	-	-	-	-	35		-		2		-	-	4		-		5		-		-			
	STAGE 2 SUBTOTAL						108	6,156	4	228	42	2,394	85	85	88	5,016	7	399	78	4,446	-	-	125	7,125		57
0010	2A	S MEMORIAL DR	68+00	-	70+00	RT	8		-		1		-	-	2		8		4		-		-			
			70+00	-	76+00	RT	24		-		2		9	9	4		2		6		-		-			
			76+00	-	82+00	RT	26		-		9		23	23	18		-		14		-		-			
			82+00	-	88+00	RT & LT	26		-		3		10	10	6		-		3		-		-			
			88+00	-	91+00	LT	9		-		1		-	-	2		7		5		-		-			
	STAGE 2A SUBTOTAL						93	3,999	-	-	16	688	42	42	32	1,376	17	731	32	1,376	-	-	-	-		43
0010	2B	S MEMORIAL DR	68+00	-	70+00	RT	8		-		1		-	-	2		8		4		-		-			
			70+00	-	76+00	RT	17		-		3		16	16	6		2		6		-		-			
			76+00	-	82+00	RT	24		1		8		19	19	17		2		12		-		-			
			82+00	-	88+00	RT & LT	24		-		3		9	9	6		5		3		-		-			
			88+00	-	91+00	LT	9		-		1		-	-	2		7		5		-		-			
	STAGE 2B SUBTOTAL						82	1,148	1	14	16	224	44	44	33	462	24	336	30	420	-	-	-	-		14
						SUBTOTAL		11,303		242		3,306	171	171		6,854		1,466		6,242	-		7,125	-		

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ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "DETOUR" TABLE.

TRAFFIC CONTROL (3 OF 3)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS + EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	# 643.0410 TRAFFIC CONTROL BARRICADES TYPE II + EACH	643.0410 DAY	# 643.0420 TRAFFIC CONTROL BARRICADES TYPE III + EACH	643.0420 DAY	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	# 643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A + EACH	643.0705 DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C + EACH	643.0715 DAY	## 643.0900 TRAFFIC CONTROL SIGNS + EACH	643.0900 DAY	### 643.1050 TRAFFIC CONTROL SIGNS PCMS + EACH	643.1050 DAY	643.1070 TRAFFIC CONTROL CONES 42-INCH + EACH	643.1070 DAY	643.5000 TRAFFIC CONTROL EACH	+ STAGE DURATION (CALENDAR DAYS)
0010	3	DURAND AVE	152+00	-	158+00	RT	28		-		7		-	-	14		7		15		-		-		-	
			158+00	-	164+00	LT & RT	46		-		9		-	-	18		4		20		-		-		-	
			164+00	-	167+00	LT	14		-		2		-	-	4		-		4		-		-		-	
		STH 32	-	-	-	-	25		-		2		-	-	4		-		5		-		-		-	
		S MEMORIAL DR	68+00	-	70+00	RT	8		-		1		-	-	2		8		4		-		-		-	
			70+00	-	76+00	RT	19		-		2		-	-	4		2		5		-		-		-	
			76+00	-	82+00	LT & RT	47		-		13		-	-	26		-		22		-		-		-	
			82+00	-	88+00	LT	27		-		1		-	-	2		-		1		-		-		-	
			88+00	-	91+00	LT	9		-		1		-	-	2		6		5		-		-		-	
	STAGE 3 SUBTOTAL						223	5,352	-	-	38	912	-	-	76	1,824	27	648	81	1,944	-	-	-	-	-	24
						SUBTOTAL		5,352		-		912	-	-		1,824		648		1,944		-		-	-	
						UNDISTRIBUTED		3,250		50		890	25	25		1,840		375		1,475		-	-	715		-
						TOTAL 0010		**35,725**		**572**		**9,812**	**277**	**277**		**20,234**		**4,113**		**16,241**		**20**		**7,840**		**1**

\+ FOR INFORMATION ONLY
# ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "PEDESTRIAN DETOUR" TABLE.
ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "PEDESTRIAN DETOUR" AND "DETOUR" TABLES.
ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "DETOUR" TABLE.

PAVEMENT MARKING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY (WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.8120 MARKING CURB EPOXY (YELLOW) LF	646.8220 MARKING ISLAND NOSE EPOXY (YELLOW) EACH	SPV.0090.01 MARKING CONTRAST EPOXY 4-INCH (WHITE) LF	SPV.0090.02 MARKING CONTRAST EPOXY 8-INCH (WHITE) LF
0010	DURAND AVE	141+03	-	146+00		836	922	-	17	-	219	-	-	225	-
		146+00	-	152+00		884	958	-	52	-	489	-	-	275	-
		152+00	-	158+00		1285	927	1	64	28	285	10	1	300	69
		158+00	-	163+75		1012	420	7	140	-	643	44	2	262.5	619
	MEMORIAL DRIVE	76+00	-	79+25		646	-	2	34	-	-	-	-	137.5	290
		80+75	-	81+75		200	-	3	-	-	-	-	-	50	208
					SUBTOTAL	4,863	3,227								
					TOTAL 0010	**8,090**		**13**	**307**	**28**	**1,636**	**54**	**3**	**1,250**	**1,186**

3

TEMPORARY PAVEMENT MARKING (1 OF 3)

CATEGORY	STAGE	ROADWAY	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	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	649.0970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	1	DURAND AVE	141+03	-	146+00	LT	-	-	-	497	-	-	-	-	-	-	-	-
			146+00	-	152+00	LT	-	-	-	600	-	-	-	-	-	-	-	-
			152+00	-	158+00	LT	50	-	-	600	-	-	-	-	-	-	-	-
			158+00	-	164+00	LT	13	36	19	334	-	113	-	-	-	-	-	-
			164+00	-	167+00	LT	-	-	-	-	-	217	-	-	-	-	-	-
	STAGE 1 SUBTOTAL						63	36	19	2,031	-	330	-	-	-	-	-	-
0010	1A	S MEMORIAL DR	68+00	-	70+00	RT	-	-	-	-	-	200	-	-	-	-	50	-
			70+00	-	76+00	LT & RT	-	-	-	-	-	306	136	-	-	-	151	-
			76+00	-	82+00	RT	50	-	-	652	521	123	115	-	-	-	50	-
			82+00	-	88+00	RT	-	-	-	-	-	278	145	-	-	-	137	-
			88+00	-	91+00	RT	-	-	-	-	-	-	180	-	-	-	50	-
	STAGE 1A SUBTOTAL						50	-	-	652	521	907	576	-	-	-	438	-
0010	1B	S MEMORIAL DR	68+00	-	70+00	RT	-	-	-	-	-	-	200	-	-	-	-	-
			70+00	-	76+00	RT & LT	-	-	-	-	-	201	148	-	-	-	-	-
			76+00	-	82+00	LT	-	-	-	-	-	830	416	-	-	22	-	-
			82+00	-	88+00	LT & RT	-	-	-	-	-	337	185	-	-	-	86	-
			88+00	-	91+00	LT	-	-	-	-	-	180	-	-	-	-	-	-
	STAGE 1B SUBTOTAL						-	-	-	-	-	1,548	949	-	-	22	86	-
						SUBTOTAL	113	36	19	2,683	521	2,785	1,525	-	-	22	524	-

3

TEMPORARY PAVEMENT MARKING (2 OF 3)

CATEGORY	STAGE	ROADWAY	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	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	649.0970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	2	DURAND AVE	141+03	-	146+00	RT	-	-	-	-	-	1,431	497	-	-	-	150	-
			146+00	-	152+00	RT	-	-	-	-	-	870	600	-	-	-	-	-
			152+00	-	158+00	RT	-	-	-	-	-	864	600	-	-	-	-	-
			158+00	-	164+00	RT & LT	24	-	-	-	-	874	513	-	-	22	-	-
			164+00	-	167+00	LT	-	-	-	-	-	-	258	273	-	-	25	130
	STAGE 2 SUBTOTAL						24	-	-	-	-	4,039	2,468	273	-	22	175	130
0010	2B	S MEMORIAL DR	68+00	-	70+00	RT	-	-	-	-	-	200	-	-	-	-	-	-
			70+00	-	76+00	RT	-	-	-	-	-	439	201	-	-	-	63	-
			76+00	-	82+00	RT	-	-	-	-	-	772	498	-	-	22	-	-
			82+00	-	88+00	RT & LT	-	-	-	-	-	142	149	-	-	-	-	-
			88+00	-	91+00	LT	-	-	-	-	-	-	180	-	-	-	-	-
	STAGE 2B SUBTOTAL						-	-	-	-	-	1,553	1,028	-	-	22	63	-
						SUBTOTAL	24	-	-	-	-	5,592	3,496	273	-	44	238	130

TEMPORARY PAVEMENT MARKING (3 OF 3)

CATEGORY	STAGE	ROADWAY	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	649.0105 TEMPORARY MARKING LINE PAINT 4-INCH (YELLOW) LF	649.0105 (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0150 (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH LF	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE EACH	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH LF	649.0960 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 6-INCH LF	649.0970 TEMPORARY MARKING REMOVABLE MASK OUT TAPE 10-INCH LF
0010	3	DURAND AVE	152+00	-	158+00	RT	-	-	-	-	-	436	-	281	1	-	-	-
			158+00	-	164+00	LT & RT	-	-	-	-	-	860	-	281	3	-	-	-
			164+00	-	167+00	LT	-	-	-	-	-	217	-	-	-	-	-	-
		S MEMORIAL DR	68+00	-	70+00	RT	-	-	-	-	-	200	-	-	-	-	-	-
			70+00	-	76+00	RT	-	-	-	-	-	46	-	-	-	-	-	-
			76+00	-	82+00	LT & RT	-	-	-	-	-	854	-	-	-	22	-	-
			82+00	-	88+00	LT	-	-	-	-	-	-	-	-	-	-	-	-
			88+00	-	91+00	LT	-	-	-	-	-	180	-	-	-	-	-	-
	STAGE 3 SUBTOTAL						-	-	-	-	-	2,793	-	562	4	22	-	-
						SUBTOTAL	-	-	-	-	-	2,793	-	562	4	22	-	-
						SUBTOTAL 0010	-	-	-	2,683	521	11,170	5,021	-	-	-	-	-
						TOTAL 0010	**137**	**36**	**19**	**3,204**		**16,191**		**835**	**4**	**88**	**762**	**130**

CONSTRUCTION STAKING

CATEGORY	ROADWAY	STATION	TO	STATION	LOCATION	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS 2260-08-70 LS	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL 2260-08-70 LS	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	DURAND AVE	141+03	-	146+00		497	1,004	497	-	6	-	497
		146+00	-	152+00		600	1,257	600	-	10	-	600
		152+00	-	158+00		600	1,539	600	-	6	-	600
		158+00	-	163+75		478	1,948	478	-	16	-	575
	MADISON ST	10+50	-	11+00		-	100	50	-	-	-	50
	COOLIDGE AVE	19+10	-	19+50		-	59	-	-	-	-	40
	PACKARD AVE	49+05	-	49+50		-	99	-	-	-	-	45
	HAMILTON AVE	59+25	-	59+50	SOUTH	-	59	-	-	-	-	25
		70+65	-	71+00	NORTH	-	72	35	-	-	-	35
	S MEMORIAL DR	76+98	-	79+25		227	454	227	-	-	-	227
		80+75	-	81+75		100	208	100	-	-	-	100
					TOTAL 0010	**2,502**	**6,799**	**2,587**	**1**	**38**	**1**	**2,794**

TRAFFIC SIGNAL REMOVALS

CATEGORY	LOCATION	ITEM NO.	# 204.0195 REMOVING CONCRETE BASES EACH	## 653.0905 REMOVING PULL BOXES EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	SB1	1	---
		SB2	1	---
		SB3	1	---
		SB4	1	---
		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
		PB14	---	1
		PB15	---	1
		PB16	---	1
		PB17	---	1
		PB18	---	1
		PB19	---	1
		PB20	---	1
		PB21	---	1
		PB22	---	1
		PB23	---	1
		PB24	---	1
		PB25	---	1
		PB26	---	1
		PB27	---	1
		PB28	---	1
		PB29	---	1
		PB30	---	1
		PB31	---	1
		PB32	---	1
		CB1	1	---
TOTAL 0030			**5**	**32**

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING UNIT REMOVAL QUANTITIES" TABLE AND "REMOVALS" TABLE.
ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING PULL BOX REMOVAL QUANTITIES" TABLE.

REMOVING TRAFFIC SIGNALS

CATEGORY	LOCATION	204.9105.S.01 REMOVING TRAFFIC SIGNALS STH 11 (DURAND AVE) & S MEMORIAL DR LS
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
TOTAL 0030		**1**

REMOVING LOOP DETECTOR WIRE AND LEAD IN CABLE

CATEGORY	LOCATION	204.9105.S.02 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE STH 11 (DURAND AVE) & S MEMORIAL DR LS
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
TOTAL 0030		**1**

TRAFFIC SIGNAL CONDUIT

CATEGORY	LOCATION	FROM	TO	# 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	CONSTRUCTION METHOD
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	CB1	PB1	--	50	TRENCH
		PB1	PB2	--	91	TRENCH
		PB2	SB1	5	--	TRENCH
		PB2	SB6	--	14	TRENCH
		PB2	PB3	--	187	TRENCH
		PB3	SB5	--	6	TRENCH
		PB3	PB4	--	167	TRENCH
		PB4	SB4	6	--	TRENCH
		PB4	SB3	--	16	TRENCH
		PB4	PB5	--	186	TRENCH
		PB5	SB2	--	7	TRENCH
		PB5	PB2	--	171	TRENCH
TOTAL 0030				**11**	**895**	

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING BRANCH CIRCUIT WIRE AND CONDUIT QUANTITIES" TABLE.

TRAFFIC SIGNAL PULL BOXES

CATEGORY	LOCATION	PULL BOX NO.	ALIGNMENT	STATION	OFFSET	# 653.0140 PULL BOXES STEEL 24" x 42" EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	PB1	STH 11/DURAND AVE	159+67.9	63.3' RT	1
		PB2	STH 11/DURAND AVE	159+42.7	46.4' RT	1
		PB3	STH 11/DURAND AVE	159+54.7	46.3' LT	1
		PB4	STH 11/DURAND AVE	158+72.5	60.6' LT	1
		PB5	STH 11/DURAND AVE	158+58.6	31.6' RT	1
TOTAL 0030						**5**

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING PULL BOX QUANTITIES" TABLE.

CONCRETE BASES

CATEGORY	LOCATION	SIGNAL BASE NO.	ALIGNMENT	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0120 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	SB1	STH 11/DURAND AVE	159+42.7	41.1' RT	1	--	--
		SB2	STH 11/DURAND AVE	158+65.6	31.7' RT	--	1	--
		SB3	STH 11/DURAND AVE	158+66.4	46.0' LT	--	1	--
		SB4	STH 11/DURAND AVE	158+73.3	54.9' LT	1	--	--
		SB5	STH 11/DURAND AVE	159+49.1	46.2' LT	--	1	--
		SB6	STH 11/DURAND AVE	159+49.3	34.0' RT	--	1	--
		CB1	STH 11/DURAND AVE	159+73.9	63.3' RT	--	--	1
			TOTAL 0030			**2**	**4**	**1**

3

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (1 OF 2)

CATEGORY	LOCATION	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0290 CABLE TRAFFIC SIGNAL 21-14 AWG LF	655.0320 CABLE TYPE TYPE UF 2-10 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	# 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	(INCIDENTAL) VIDEO DETECTION CABLE LF	(INCIDENTAL) LOOP DETECTOR LEAD IN CABLE LF
0030	STH 11 (DURAND AVE) & MEMORIAL DRIVE	CB1	SB1	--	--	80	--	--	80	--	--	--
		CB1	SB2	--	--	--	186	186	--	--	--	--
		CB1	SB3	--	--	308	--	--	--	--	--	--
		CB1	SB4	--	--	296	--	--	--	--	--	--
		CB1	SB5	--	--	--	194	--	--	--	--	--
		CB1	SB6	--	--	89	--	89	89	--	--	--
		SB1	SB2	--	--	--	--	--	129	--	--	--
		SB2	SB3	--	--	--	--	150	150	--	--	--
		SB3	SB4	--	--	--	--	--	35	--	--	--
		SB4	SB5	--	--	--	--	--	126	--	--	--
		SB5	SB6	--	--	--	--	146	146	--	--	--
		PB1	CB1	--	--	--	--	--	30	--	--	--
		PB2	SB1	--	--	--	--	--	18	--	--	--
		PB3	SB5	--	--	--	--	--	19	--	--	--
		PB4	SB4	--	--	--	--	--	19	--	--	--
		PB5	SB2	--	--	--	--	--	20	--	--	--
		CB1	V1 (SB2)	--	--	--	--	--	--	--	256	--
		CB1	V2 (SB3)	--	--	--	--	--	--	--	373	--
		CB1	V3 (SB5)	--	--	--	--	--	--	--	264	--
		CB1	V4 (SB6)	--	--	--	--	--	--	--	154	--
SUBTOTAL				-	-	773	380	571	861	-	1047	-

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING UNIT QUANTITIES" TABLE.

3

TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE (2 OF 2)

CATEGORY	LOCATION	FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF	655.0290 CABLE TRAFFIC SIGNAL 21-14 AWG LF	655.0320 CABLE TYPE TYPE UF 2-10 AWG GROUNDED LF	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF	# 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	(INCIDENTAL) VIDEO DETECTION CABLE LF	(INCIDENTAL) LOOP DETECTOR LEAD IN CABLE LF
0030	STH 11 (DURAND AVE) & MEMORIAL DRIVE	SB1	HEAD 1	22	--	--	--	--	--	--	--	--
		SB1	HEAD 14	--	22	--	--	--	--	--	--	--
		SB1	HEAD 21	15	--	--	--	--	--	--	--	--
		SB1	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB2	HEAD 6	19	--	--	--	--	--	--	--	--
		SB2	HEAD 12	70	--	--	--	--	--	--	--	--
		SB2	HEAD 13	70	--	--	--	--	--	--	--	--
		SB2	HEAD 15	--	71	--	--	--	--	--	--	--
		SB2	HEAD 19	--	22	--	--	--	--	--	--	--
		SB2	HEAD 22	15	--	--	--	--	--	--	--	--
		SB2	HEAD 23	15	--	--	--	--	--	--	--	--
		SB2	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB2	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB2	LUMINAIRE	--	--	--	--	--	--	144	--	--
		SB3	HEAD 17	65	--	--	--	--	--	--	--	--
		SB3	HEAD 18	65	--	--	--	--	--	--	--	--
		SB3	HEAD 20	--	66	--	--	--	--	--	--	--
		SB3	HEAD 24	15	--	--	--	--	--	--	--	--
		SB3	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB3	LUMINAIRE	--	--	--	--	--	--	144	--	--
		SB4	HEAD 4	--	22	--	--	--	--	--	--	--
		SB4	HEAD 11	22	--	--	--	--	--	--	--	--
		SB4	HEAD 25	15	--	--	--	--	--	--	--	--
		SB4	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB5	HEAD 2	70	--	--	--	--	--	--	--	--
		SB5	HEAD 3	70	--	--	--	--	--	--	--	--
		SB5	HEAD 5	--	71	--	--	--	--	--	--	--
		SB5	HEAD 9	--	22	--	--	--	--	--	--	--
		SB5	HEAD 16	22	--	--	--	--	--	--	--	--
		SB5	HEAD 26	15	--	--	--	--	--	--	--	--
		SB5	HEAD 27	15	--	--	--	--	--	--	--	--
		SB5	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB5	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB5	LUMINAIRE	--	--	--	--	--	--	144	--	--
		SB6	HEAD 7	65	--	--	--	--	--	--	--	--
		SB6	HEAD 8	65	--	--	--	--	--	--	--	--
		SB6	HEAD 10	--	66	--	--	--	--	--	--	--
		SB6	HEAD 28	15	--	--	--	--	--	--	--	--
		SB6	PUSH BUTTON	--	--	--	--	--	--	--	--	6
		SB6	LUMINAIRE	--	--	--	--	--	--	144	--	--
	SUBTOTAL			745	362	-	-	-	-	576	-	48
	TOTAL 0030			**745**	**362**	**773**	**380**	**571**	**861**	**576**	**1047**	**48**

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "LIGHTING UNIT QUANTITIES" TABLE.

3

TRAFFIC SIGNAL BASES, POLES, AND MAST ARMS

CATEGORY	LOCATION	SIGNAL BASE NO	657.0100 PEDESTAL BASE EACH	657.0352 POLES TYPE 10 SPECIAL EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0541 MONOTUBE ARMS 40-FT SPECIAL EACH	657.0546 MONOTUBE ARMS 45-FT SPECIAL EACH	657.0815 LUMINAIRE ARMS STEEL 15-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	SB1	1	--	1	--	--	--	1	--
		SB2	--	1	--	--	1	1	2	1
		SB3	--	1	--	1	--	1	1	1
		SB4	1	--	1	--	--	--	1	--
		SB5	--	1	--	--	1	1	2	1
		SB6	--	1	--	1	--	1	1	1
TOTAL 0030			**2**	**4**	**2**	**2**	**2**	**4**	**8**	**4**

ELECTRICAL SERVICE METER BREAKER PEDESTAL

CATEGORY	LOCATION	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL STH 11 (DURAND AVE) & S MEMORIAL DR LS
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
TOTAL 0030		**1**

3

TRAFFIC SIGNAL FACES

CATEGORY	LOCATION	SIG. BASE NO	SIG. HEAD NO	TYPE OF MOUNT	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFIC SIGNAL FACE 4S 12-INCH EACH	+ BACKPLATE 3-SEC EACH	+ BACKPLATE 4-SEC EACH	+ LED RED BALL EACH	+ LED YELLOW BALL EACH	+ LED GREEN BALL EACH	+ LED RED ARROW EACH	+ LED YELLOW ARROW EACH	+ LED GREEN ARROW EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	++ LED MODULES COUNTDOWN TIMER 16" 16-INCH EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	SB1	1	POST MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB1	14	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		SB1	21	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB2	6	MONOTUBE POLE UPRIGHT	1	--	1	--	1	1	1	--	--	--	--	--
		SB2	12	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB2	13	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB2	15	MONOTUBE ARM MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		SB2	19	MONOTUBE POLE UPRIGHT	--	1	--	1	--	--	--	1	2	1	--	--
		SB2	22	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB2	23	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB3	17	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB3	18	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB3	20	MONOTUBE ARM MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		SB3	24	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB4	4	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		SB4	11	POST MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB4	25	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB5	2	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB5	3	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB5	5	MONOTUBE ARM MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		SB5	9	MONOTUBE POLE UPRIGHT	--	1	--	1	--	--	--	1	2	1	--	--
		SB5	16	MONOTUBE POLE UPRIGHT	1	--	1	--	1	1	1	--	--	--	--	--
		SB5	26	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB5	27	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		SB6	7	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB6	8	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		SB6	10	MONOTUBE ARM MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		SB6	28	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
TOTAL 0030					**12**	**8**	**12**	**8**	**12**	**12**	**12**	**8**	**16**	**8**	**8**	**8**

+ INCIDENTAL TO 658.0173 OR 658.0174

++ INCIDENTAL TO 658.0416

SIGNAL MOUNTING HARDWARE

CATEGORY	LOCATION	658.5069.01 SIGNAL MOUNTING HARDWARE STH 11 (DURAND AVE) & S MEMORIAL DR LS
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
TOTAL 0030		**1**

3

LIGHTING PULL BOX REMOVAL QUANTITIES

NO.	## 653.0905 REMOVING PULL BOXES EACH
PB-12-03	1
ELPB-4	1
TOTAL	2

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TRAFFIC SIGNAL REMOVALS" TABLE.

LIGHTING PULL BOX QUANTITIES

NO.	# 653.0140 PULL BOXES STEEL 24X42-INCH EACH
LPB-1	1
LPB-2	1
LPB-3	1
LPB-4	1
LPB-5	1
TOTAL	5

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TRAFFIC SIGNAL PULL BOXES" TABLE.

LIGHTING UNIT REMOVAL QUANTITIES

NO	# 204.0195 REMOVING CONCRETE BASES EACH	204.9060.S.01 REMOVING LIGHTING UNITS EACH
E1	1	1
E2	1	1
E3	1	1
E4	1	1
E5	1	1
E6	1	1
E7	1	1
E8	1	1
E11	1	1
E12	1	1
E13	1	1
E14	1	1
E15	1	1
TOTALS	13	13

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "REMOVALS" AND "TRAFFIC SIGNAL REMOVALS" TABLES.

LIGHTING UNIT QUANTITIES

NO.	654.0105 CONCRETE BASES TYPE 5 EACH	# 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0322 POLES TYPE 5 - ALUMINUM EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4-1/2-INCH CLAMP 6-FT EACH	SPV.0060.01 STANDARD LED LUMINAIRES EACH
LC2-6,8-5	1	120	1	1	1	1
LC2-5,7-6	1	120	1	1	1	1
LC2-6,8-7	1	120	1	1	1	1
LC2-5,7-8	1	120	1	1	1	1
LC2-6,8-9	1	120	1	1	1	1
LC2-5,7-10	1	120	1	1	1	1
LC2-6,8-11	1	120	1	1	1	1
LC2-5,7-12	1	120	1	1	1	1
LC2-6,8-13	1	120	1	1	1	1
LC2-5,7-14	1	120	1	1	1	1
LC2-5,7-15/LC2-6,8-15	1	240	1	1	2	2
LC2-5,7-16	1	120	1	1	1	1
LC2-6,8-17	1	120	1	1	1	1
LC2-5,7-18	1	120	1	1	1	1
LC2-6,8-19	1	120	1	1	1	1
LC2-5,7-20	1	120	1	1	1	1
LC2-6,8-21	1	120	1	1	1	1
LC2-6,8-22	1	120	1	1	1	1
LC2-5,7-23/LC2-6,8-23	1	240	1	1	2	2
LC2-5,7-24/LC2-6,8-24	1	240	1	1	2	2
LC2-5,7-25/LC2-6,8-25	1	240	1	1	2	2
LC2-5,7-26/LC2-6,8-26	1	240	1	1	2	2
TOTALS	22	3240	22	22	27	27

SEE ADDITIONAL QUANTITIES ELSEWHERE. SEE "TRAFFIC SIGNAL CABLE AND ELECTRICAL WIRE" TABLE.

ALL LIGHTING ITEMS ARE CATEGORY 0040

3

LIGHTING BRANCH CIRCUIT WIRE AND CONDUIT QUANTITIES

FROM	TO	# 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0605 CONDUIT SPECIAL 2-INCH * LF	655.0635 ELECTRICAL WIRE LIGHTING 2 AWG LF
LP-1202	LC2-6,8-5	147		785
LC2-6,8-5	LC2-5,7-6	139		745
LC2-5,7-6	LC2-6,8-7	144		770
LC2-6,8-7	LC2-5,7-8	145		775
LC2-5,7-8	LC2-6,8-9	155		825
LC2-6,8-9	LC2-5,7-10	141		755
LC2-5,7-10	LC2-6,8-11	153		815
LC2-6,8-11	LC2-5,7-12	154		820
LC2-5,7-12	LC2-6,8-13	152		810
LC2-6,8-13	LC2-5,7-14	129		695
LC2-5,7-14	LPB-1	91		510
LPB-1	LC2-5,7-15/LC2-6,8-15		34	225
LPB-1	LC2-5,7-16	140		755
LC2-5,7-16	LPB-2	33		220
LPB-2	LC2-6,8-17	87		490
LC2-6,8-17	LPB-3		84	475
LPB-3	LC2-5,7-18	59		210
LPB-2	LPB-4		99	555
LPB-4	LC2-6,8-19	44		165
LPB-4	LC2-5,7-20	82		279
LPB-4	LPB-5		158	850
LPB-5	LC2-6,8-21	48		177
LC2-6,8-21	LCS-6,8-22	120		390
LPB-5	LC2-5,7-23/LC2-6,8-23		55	330
LC2-5,7-23/LC2-6,8-23	LC2-5,7-24/LC2-6,8-24	173		915
LC2-5,7-24/LC2-6,8-24	LC2-5,7-25/LC2-6,8-25	177		935
LC2-5,7-25/LC2-6,8-25	LC2-5,7-26/LC2-6,8-26		165	875
	TOTALS	2513	595	16151

ADDITIONAL QUANTITIES SHOWN ELSEWHERE. SEE "TRAFFIC SIGNAL CONDUIT" TABLE.
* CONDUIT NONMETALLIC SCHEDULE 40

ALL LIGHTING ITEMS ARE CATEGORY 0040

690-SAWING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	1	DURAND AVE	141+03	-	146+00	RT	-	74
			146+00	-	152+00	RT	44	178
			152+00	-	158+00	RT	242	19
			158+00	-	164+00	RT	95	43
		COOLIDGE AVE	19+10	-	19+50		25	-
		PACKARD AVE	49+05	-	49+50		32	5
		HAMILTON AVE	59+25	-	59+50	SOUTH	44	-
		S MEMORIAL DR	76+00	-	79+25	LT	151	3
			80+75	-	81+75	LT	75	26
	SUBTOTAL STAGE 1						708	348
0010	2	DURAND AVE	141+03	-	146+00	LT	-	116
			146+00	-	152+00	LT	-	146
			152+00	-	158+00	LT	331	45
			158+00	-	164+00	LT	254	30
		MADISON ST	10+50	-	11+00		-	49
		HAMILTON AVE	70+65	-	71+00	NORTH	52	74
		S MEMORIAL DR	76+00	-	79+25	RT	219	3
			80+75	-	81+75	RT	99	36
	SUBTOTAL STAGE 2						955	499
0010	3	DURAND AVE	158+00	-	164+00	LT & RT	187	16
	SUBTOTAL STAGE 3						187	16
						TOTAL 0010	1,850	863

COLORING CONCRETE

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	SPV.0035.01 COLORING CONCRETE CUSTOM RED CY
0020	1	DURAND AVE	146+00	-	152+00	RT	2
			152+00	-	158+00	RT	7
			158+00	-	162+70	RT	31
	STAGE 1 SUBTOTAL						40
0020	2	DURAND AVE	152+00	-	158+00	LT	19
			158+00	-	162+77	LT	33
	STAGE 2 SUBTOTAL						52
0020	3	DURAND AVE	158+00	-	163+75	LT	53
	STAGE 3 SUBTOTAL						53
						TOTAL 0020	145

FURNISH AND INSTALL ETHERNET RADIO

CATEGORY	LOCATION	SPV.0060.03 FURNISH AND INSTALL ETHERNET RADIO STH 11 (DURAND AVE) & S MEMORIAL DR EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
	TOTAL 0030	1

TRAFFIC SIGNAL CONTROLLER & CABINET

CATEGORY	LOCATION	SPV.0060.02 TRAFFIC SIGNAL CONTROLLER & CABINET STH 11 (DURAND AVE) & S MEMORIAL DR EACH
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
	TOTAL 0030	1

FIELD FACILITIES OFFICE SPACE

CATEGORY	LOCATION	SPV.0060.05 FIELD FACILITIES OFFICE SPACE EACH
0010	ID 2260-08-70	1
	TOTAL 0010	1

UTILITY LINE OPENING

CATEGORY	LOCATION	SPV.0060.06 UTILITY LINE OPENING EACH
0010	UNDISTRIBUTED	10
	TOTAL 0010	10

VIDEO VEHICLE DETECTION SYSTEM

CATEGORY	LOCATION	SPV.0105.01 VIDEO VEHICLE DETECTION SYSTEM STH 11 (DURAND AVE) & S MEMORIAL DR LS
0030	STH 11 (DURAND AVE) & S MEMORIAL DR	1
TOTAL 0030		**1**

WALL MODULAR BLOCK GRAVITY LANDSCAPE

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	SPV.0165.01 SPECIAL (01. WALL MODULAR BLOCK GRAVITY LANDSCAPE) SF
0010	1	DURAND AVE	158+27	-	158+53	RT	58
						TOTAL 0010	**58**

PROOF ROLLING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	LOCATION	SPV.0170.01 PROOF ROLLING STA
0010	1	DURAND AVE	154+50	-	157+00	RT	3
		S MEMORIAL DR	77+00	-	80+00	LT	3
		STAGE 1 SUBTOTAL					6
0010	2	DURAND AVE	154+50	-	157+00	LT	3
		S MEMORIAL DR	77+00	-	80+00	RT	3
		STAGE 2 SUBTOTAL					6
0010	3	S MEMORIAL DR	77+00	-	80+00	RT	3
		STAGE 3 SUBTOTAL					3
						TOTAL 0010	**30**

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.01

THAT PART OF LOTS 10, 11, 12, 13, 14, 15, 16, 17 AND 18, BLOCK 9, AND LOTS 10, 11, 12, 13, 14, 15, 16, 17 AND 18, BLOCK 10, ALL IN JEROME PARK SUBDIVISION, BEING PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 20, IN THE CITY OF RACINE, ALSO THAT PART OF LOTS 1, 2, 3, 4, 5 AND 6, BLOCK 1, VACATED HICKORY GROVE AVENUE, LOTS 1, 2, 3, 4, 5 AND 6, BLOCK 2, AND LOTS 1, 2, 3, 4, 5 AND 6, BLOCK 3, ALL IN SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 29, IN THE VILLAGE OF MT. PLEASANT, ALL IN TOWN 3 NORTH, RANGE 23 EAST, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF RACINE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF RACINE, PURSUANT TO THE PROVISIONS OF SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES.

NOTES:

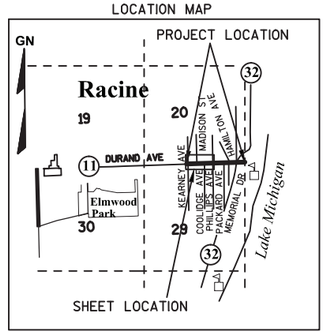
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (2011) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED UPON COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 3 OF THIS DOCUMENT.

LOCATION MAP



NOT TO SCALE

raSmith
CREATIVITY BEYOND ENGINEERING

I, SHANE M. ZODROW, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 2260-08-20 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN SHANE M. ZODROW S-2869 GREENDALE WI LAND SURVEYOR

06/11/19
SHANE M. ZODROW — DATE
AGENT FOR R.A. SMITH, INC.
P.L.S. NUMBER 2869

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF RACINE.

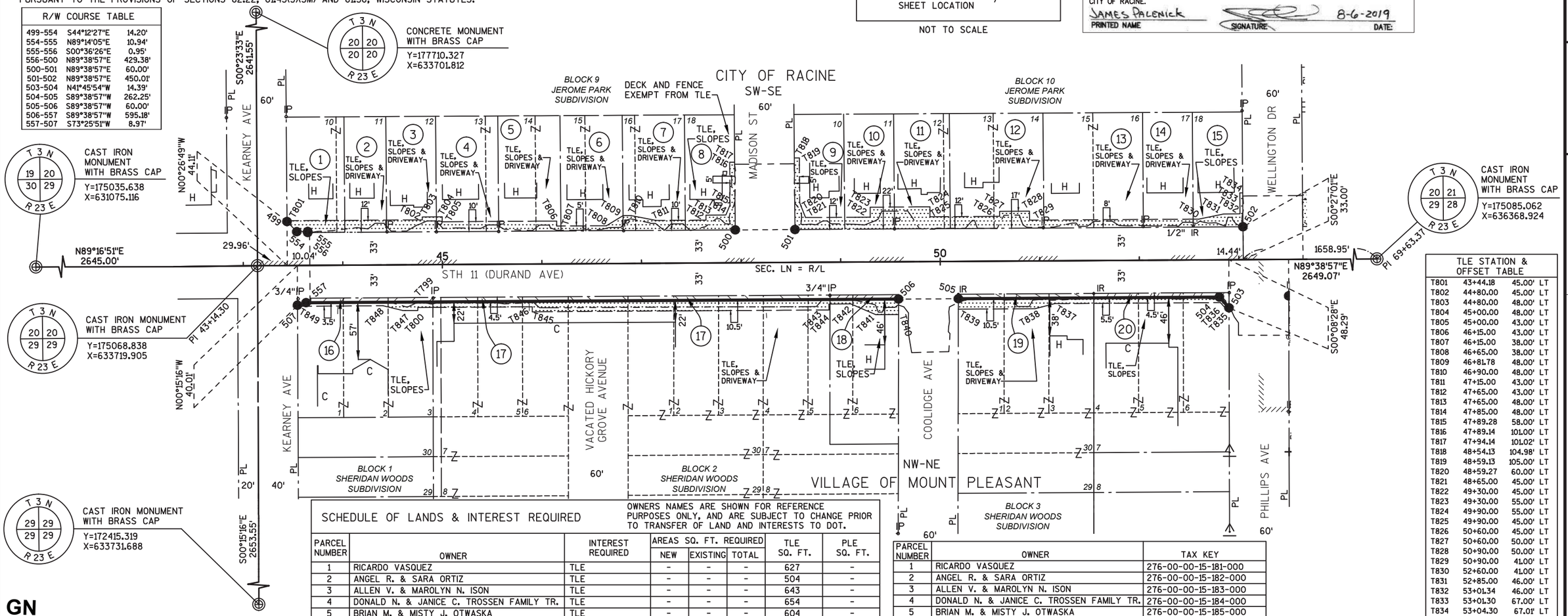
JAMES PALENICK — PRINTED NAME
SIGNATURE — 8-6-2019 DATE:

Document # 2527209
RACINE COUNTY REGISTER OF DEEDS
August 07, 2019 10:13 AM
Connie C. Madsen
CONNIE COBB MADSEN
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1

Vol 1 Pg 331

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2260-08-20 - 4.01
AMENDMENT NO:___
SHEET 1 OF 3

R/W COURSE TABLE		
499-554	S44°12'27"E	14.20'
554-555	N89°14'05"E	10.94'
555-556	S00°36'26"E	0.95'
556-500	N89°38'57"E	429.38'
500-501	N89°38'57"E	60.00'
501-502	N89°38'57"E	450.01'
503-504	N41°45'54"W	14.39'
504-505	S89°38'57"W	262.25'
505-506	S89°38'57"W	60.00'
506-557	S89°38'57"W	595.18'
557-507	S73°25'51"W	8.97'



GN

SCALE, FEET
0 50 100

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 11	JEROME PARK SUBDIVISION	66'	1961
STH 11	SHERIDAN WOODS SUBDIVISION	66'	1928
KEARNEY AVE	JEROME PARK SUBDIVISION	60'	1961
KEARNEY AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
MADISON ST	JEROME PARK SUBDIVISION	60'	1961
COOLIDGE AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
PHILLIPS AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
WELLINGTON DR	JEROME PARK SUBDIVISION	60'	1961

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ. FT.	PLE SQ. FT.
1	RICARDO VASQUEZ	TLE	-	-	-	627	-
2	ANGEL R. & SARA ORTIZ	TLE	-	-	-	504	-
3	ALLEN V. & MAROLYN N. ISON	TLE	-	-	-	643	-
4	DONALD N. & JANICE C. TROSSEN FAMILY TR.	TLE	-	-	-	654	-
5	BRIAN M. & MISTY J. OTWASKA	TLE	-	-	-	604	-
6	KARIN R. JONSSON	TLE	-	-	-	397	-
7	ERNEST P. & LAURA F. DESOTELL	TLE	-	-	-	729	-
8	JOANN H. WAHL	TLE	-	-	-	933	-
9	JONATHAN & SARA PASCHKE	TLE	-	-	-	943	-
10	BRIAN GENEVICH	TLE	-	-	-	843	-
11	THOMAS L. BABICKY FAMILY TRUST	TLE	-	-	-	1,029	-
12	SAMI A. ALI	TLE	-	-	-	1,221	-
13	DIANA M. RITT	TLE	-	-	-	800	-
14	CHRISTOPHER DAVIS	TLE	-	-	-	400	-
15	MIGUEL & JESSICA SOSA	TLE	-	-	-	622	-
16	PHU T. & WENDY M. NGUYEN	FEE, TLE	553	-	553	620	-
17	ROBIN CASE, LLC.	FEE, TLE	1,795	-	1,795	3,683	-
18	RICHARD GEYER TRUST	FEE, TLE	310	-	310	700	-
19	NED SORENSON AND PEGGY LASHLEY	FEE, TLE	612	-	612	1,183	-
20	WY STOLLER HOLDINGS LIMITED	FEE, TLE	663	-	663	738	-

PARCEL NUMBER	OWNER	TAX KEY
1	RICARDO VASQUEZ	276-00-00-15-181-000
2	ANGEL R. & SARA ORTIZ	276-00-00-15-182-000
3	ALLEN V. & MAROLYN N. ISON	276-00-00-15-183-000
4	DONALD N. & JANICE C. TROSSEN FAMILY TR.	276-00-00-15-184-000
5	BRIAN M. & MISTY J. OTWASKA	276-00-00-15-185-000
6	KARIN R. JONSSON	276-00-00-15-187-000
7	ERNEST P. & LAURA F. DESOTELL	276-00-00-15-188-000
8	JOANN H. WAHL	276-00-00-15-189-000
9	JONATHAN & SARAH PASCHKE	276-00-00-15-329-000
10	BRIAN GENEVICH	276-00-00-15-330-000
11	THOMAS L. BABICKY FAMILY TRUST	276-00-00-15-331-000
12	SAMI A. ALI	276-00-00-15-332-000
13	DIANA M. RITT	276-00-00-15-334-000
14	CHRISTOPHER DAVIS	276-00-00-15-336-000
15	MIGUEL & JESSICA SOSA	276-00-00-15-337-000
16	PHU T. & WENDY M. NGUYEN	151-03-23-29-411-000
17	ROBIN CASE, LLC.	151-03-23-29-412-000
18	RICHARD GEYER TRUST	151-03-23-29-437-000
19	NED SORENSON AND PEGGY LASHLEY	151-03-23-29-461-000
20	WY STOLLER HOLDINGS LIMITED	151-03-23-29-464-000

R/W STATION & OFFSET TABLE		
499	43+44.19	44.11' LT
554	43+54.02	33.87' LT
555	43+64.96	33.95' LT
556	43+64.97	33.00' LT
500	47+94.35	33.00' LT
501	48+54.35	33.00' LT
502	53+04.36	33.00' LT
503	52+89.80	48.29' RT
504	52+80.28	37.50' RT
505	50+18.03	37.50' RT
506	49+58.03	37.50' RT
557	43+62.85	37.50' RT
507	43+54.23	40.01' RT

TLE STATION & OFFSET TABLE		
T801	43+44.18	45.00' LT
T802	44+80.00	45.00' LT
T803	44+80.00	48.00' LT
T804	45+00.00	48.00' LT
T805	45+00.00	43.00' LT
T806	46+15.00	43.00' LT
T807	46+15.00	38.00' LT
T808	46+65.00	38.00' LT
T809	46+81.78	48.00' LT
T810	46+90.00	48.00' LT
T811	47+15.00	43.00' LT
T812	47+65.00	43.00' LT
T813	47+65.00	48.00' LT
T814	47+85.00	48.00' LT
T815	47+89.28	58.00' LT
T816	47+89.14	101.00' LT
T817	47+94.14	101.02' LT
T818	48+54.13	104.98' LT
T819	48+59.13	105.00' LT
T820	48+59.27	60.00' LT
T821	48+65.00	45.00' LT
T822	49+30.00	45.00' LT
T823	49+30.00	55.00' LT
T824	49+90.00	55.00' LT
T825	49+90.00	45.00' LT
T826	50+60.00	45.00' LT
T827	50+60.00	50.00' LT
T828	50+90.00	50.00' LT
T829	50+90.00	41.00' LT
T830	52+60.00	41.00' LT
T831	52+85.00	46.00' LT
T832	53+01.34	46.00' LT
T833	53+01.30	67.00' LT
T834	53+04.30	67.01' LT
T835	52+89.78	52.81' RT
T836	52+81.13	43.00' RT
T837	51+15.00	43.00' RT
T838	50+95.00	48.00' RT
T839	50+17.95	48.00' RT
T840	49+57.91	53.00' RT
T841	49+35.00	53.00' RT
T842	49+10.00	42.00' RT
T843	48+88.00	42.00' RT
T844	48+88.00	48.00' RT
T845	45+90.00	48.00' RT
T846	45+90.00	43.00' RT
T799	44+75.00	43.00' RT
T800	44+75.00	46.00' RT
T847	44+60.00	46.00' RT
T848	44+40.00	41.00' RT
T849	43+54.23	RT

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

2260-08-20 - 4.01

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 2260-08-20

ROAD NAME: DURAND AVENUE

PROJECT LIMITS: KEARNEY AVENUE TO STH 32

RACINE COUNTY

Vol 1 Pg 332



A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE'S ARE TO EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

CONVENTIONAL ABBREVIATIONS

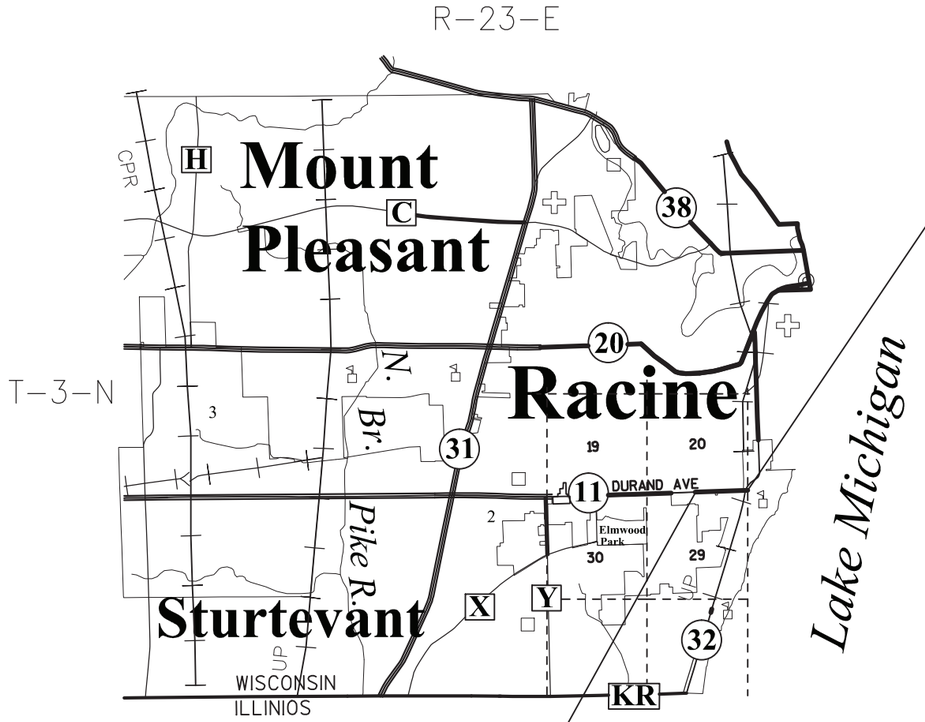
ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	SOUTHEAST	SE
CERTIFIED SURVEY MAP	CSM	SOUTHWEST	SW
CORNER	COR.	STATION	STA.
DOCUMENT	DOC.	TEMPORARY LIMITED EASEMENT	TLE
EASEMENT	EASE.	VOLUME	V.
HIGHWAY EASEMENT	H.E.	**CURVE DATA**	
LAND CONTRACT	LC	LONG CHORD	LCH
LIFE ESTATE	LE	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
NORTHEAST	NE	DEGREE OF CURVE	D
NORTHWEST	NW	CENTRAL ANGLE OR DELTA	DELTA
PAGE	P.	LENGTH OF CURVE	L
PERMANENT LIMITED EASEMENT	PLE	TANGENT	TAN
PROPERTY LINE	PL	POINT OF CURVATURE	PC
RECORDED AS	(100')	POINT OF INTERSECTION	PI
REFERENCE LINE	R/L	POINT OF TANGENCY	PT

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	● (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	● (SET)	PROPERTY LINE	
R/W STANDARD	▲ (SET)	LOT & TIE LINES	
SIGN	SIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT	⊕	CORPORATE LIMITS	
SECTION CORNER SYMBOL	⊕	ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	
		NO ACCESS (BY ACQUISITION)	
FEE (HATCH VARIES)			
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
HIGHWAY EASEMENT		QUARTER LINE	
R/W BOUNDARY POINT	RWB2C	SIXTEENTH LINE	
PARCEL NUMBER	102	EXISTING CENTERLINE	
UTILITY NUMBER	92	PROPOSED REFERENCE LINE	
SIGN NUMBER (OFF PREMISE)	21-1	PARALLEL OFFSET	
BUILDING			
TLE POINT NUMBER	TXXX		

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES	OH	
ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
GUY ANCHOR		
ELECTRIC TOWER		
GAS VALVE	GV	



END PROJECT
STA 69+63.37
X = 636,368.924
Y = 175,085.062

BEGIN PROJECT
STA 43+14.30
X = 633,719.905
Y = 175,068.838

GN

LAYOUT
NO SCALE

NOTES:

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

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED UPON COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

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

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

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE:
EXISTING HIGHWAY RIGHT-OF-WAY FOR STH-11 ESTABLISHED FROM PREVIOUS PROJECTS 2704-02-20, 3240-05-21, 076-1(1), AND EXISTING SUBDIVISIONS AND CERTIFIED SURVEY MAPS.
EXISTING HIGHWAY RIGHT-OF-WAY FOR KEARNEY AVENUE ESTABLISHED FROM JEROME PARK SUBDIVISION AND SHERIDAN WOODS SUBDIVISION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MADISON STREET ESTABLISHED FROM JEROME PARK SUBDIVISION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR COOLIDGE AVENUE ESTABLISHED FROM SHERIDAN WOODS SUBDIVISION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR WELLINGTON DRIVE ESTABLISHED FROM JEROME PARK SUBDIVISION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR PHILLIPS AVENUE ESTABLISHED FROM SHERIDAN WOODS SUBDIVISION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR HAMILTON AVENUE ESTABLISHED FROM PROJECT 2704-02-20 AND JEROME PARK SUBDIVISION.
EXISTING HIGHWAY RIGHT-OF-WAY FOR MEMORIAL DRIVE ESTABLISHED FROM PROJECT 2704-02-20 AND CERTIFIED SURVEY MAP 2647.
EXISTING HIGHWAY RIGHT-OF-WAY FOR CAPITOL AVENUE ESTABLISHED FROM PROJECT 2704-02-20 AND 3240-05-21.

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

ORIGINAL PLAT PREPARED BY
raSmith
CREATIVITY BEYOND ENGINEERING
16745 W. Bluemound Road, Brookfield WI 53005
262-781-1000 Fax 262-781-8466
www.rasmithnational.com

TPP PROJECT NUMBER 2260-08-20 - 4.01
SHEET 2 OF 3

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

2260-08-20 - 4.00

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.01

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET
RECORDED AS SHEET 2 OF 3 OF THIS DOCUMENT.

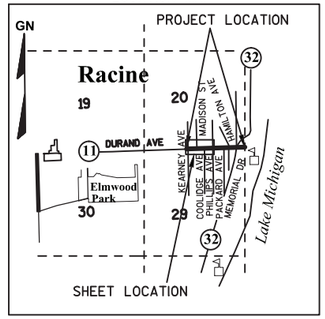
raSmith
CREATIVITY BEYOND ENGINEERING

TPP PROJECT NUMBER 2260-08-20 - 4.01
SHEET 3 OF 3

Vol 1 Pg 333

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
100	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
101	AT&T WISCONSIN	RELEASE OF RIGHTS
103	VILLAGE OF MOUNT PLEASANT - WATERMAIN	RELEASE OF RIGHTS

LOCATION MAP



NOT TO SCALE

GN

SCALE, FEET
0 50 100

CONCRETE MONUMENT WITH BRASS CAP
Y=177710.327
X=633701.812

CAST IRON MONUMENT WITH BRASS CAP
Y=175035.638
X=631075.116

CAST IRON MONUMENT WITH BRASS CAP
Y=175085.062
X=636368.924

CAST IRON MONUMENT WITH BRASS CAP
Y=175068.838
X=633719.905

CAST IRON MONUMENT WITH BRASS CAP
Y=172415.319
X=633731.688

CITY OF RACINE
SW-SE
NW-NE
VILLAGE OF MOUNT PLEASANT

KEARNEY AVE
MADISON ST
WELLINGTON DR
COOLIDGE AVE
PHILLIPS AVE
VACATED HICKORY GROVE AVENUE
STH 11 (DURAND AVE)
SEC. LN = R/L

BLOCK 9 JEROME PARK SUBDIVISION
BLOCK 10 JEROME PARK SUBDIVISION
BLOCK 1 SHERIDAN WOODS SUBDIVISION
BLOCK 2 SHERIDAN WOODS SUBDIVISION
BLOCK 3 SHERIDAN WOODS SUBDIVISION

N89°16'51"E 2645.00'
N89°38'57"E 2649.07'
S00°15'16"E 2653.55'
PI 43+14.30
PI 69+63.37
29.96'
10.04'
1658.95'
60'
40'
20'
45
50

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED			TLE SQ. FT.	PLE SQ. FT.
			NEW	EXISTING	TOTAL		
1	RICARDO VASQUEZ	TLE	-	-	-	627	-
2	ANGEL R. & SARA ORTIZ	TLE	-	-	-	504	-
3	ALLEN V. & MAROLYN N. ISON	TLE	-	-	-	643	-
4	DONALD N. & JANICE C. TROSSEN FAMILY TR.	TLE	-	-	-	654	-
5	BRIAN M. & MISTY J. OTWASKA	TLE	-	-	-	604	-
6	KARIN R. JONSSON	TLE	-	-	-	397	-
7	ERNEST P. & LAURA F. DESOTELL	TLE	-	-	-	729	-
8	JOANN H. WAHL	TLE	-	-	-	933	-
9	JONATHAN & SARA PASCHKE	TLE	-	-	-	943	-
10	BRIAN GENEVICH	TLE	-	-	-	843	-
11	THOMAS L. BABICKY FAMILY TRUST	TLE	-	-	-	1,029	-
12	SAMI A. ALI	TLE	-	-	-	1,221	-
13	DIANA M. RITT	TLE	-	-	-	800	-
14	CHRISTOPHER DAVIS	TLE	-	-	-	400	-
15	MIGUEL & JESSICA SOSA	TLE	-	-	-	622	-
16	PHU T. & WENDY M. NGUYEN	FEE, TLE	553	-	553	620	-
17	ROBIN CASE, LLC.	FEE, TLE	1,795	-	1,795	3,683	-
18	RICHARD GEYER TRUST	FEE, TLE	310	-	310	700	-
19	NED SORENSON AND PEGGY LASHLEY	FEE, TLE	612	-	612	1,183	-
20	WY STOLLER HOLDINGS LIMITED	FEE, TLE	663	-	663	738	-

PARCEL NUMBER	OWNER	TAX KEY
1	RICARDO VASQUEZ	276-00-00-15-181-000
2	ANGEL R. & SARA ORTIZ	276-00-00-15-182-000
3	ALLEN V. & MAROLYN N. ISON	276-00-00-15-183-000
4	DONALD N. & JANICE C. TROSSEN FAMILY TR.	276-00-00-15-184-000
5	BRIAN M. & MISTY J. OTWASKA	276-00-00-15-185-000
6	KARIN R. JONSSON	276-00-00-15-187-000
7	ERNEST P. & LAURA F. DESOTELL	276-00-00-15-188-000
8	JOANN H. WAHL	276-00-00-15-189-000
9	JONATHAN & SARAH PASCHKE	276-00-00-15-329-000
10	BRIAN GENEVICH	276-00-00-15-330-000
11	THOMAS L. BABICKY FAMILY TRUST	276-00-00-15-331-000
12	SAMI A. ALI	276-00-00-15-332-000
13	DIANA M. RITT	276-00-00-15-334-000
14	CHRISTOPHER DAVIS	276-00-00-15-336-000
15	MIGUEL & JESSICA SOSA	276-00-00-15-337-000
16	PHU T. & WENDY M. NGUYEN	151-03-23-29-411-000
17	ROBIN CASE, LLC.	151-03-23-29-412-000
18	RICHARD GEYER TRUST	151-03-23-29-437-000
19	NED SORENSON AND PEGGY LASHLEY	151-03-23-29-461-000
20	WY STOLLER HOLDINGS LIMITED	151-03-23-29-464-000

100 WE ENERGIES - ELECTRIC
NON DESCRIPT EASEMENT DOC.350910 V.250, P.597 PARCELS 16, 17, 18, 19 & 20
NON DESCRIPT EASEMENT DOC.349126 V.248, P.484 PARCELS 16, 17, 18, 19 & 20
8' EASEMENT DOC.939977 V.1225, P.76 PARCEL 17

101 AT&T WISCONSIN
NON DESCRIPT EASEMENT DOC.350910 V.250, P.597 PARCELS 16, 17, 18, 19 & 20
NON DESCRIPT EASEMENT DOC.349126 V.248, P.484 PARCELS 16, 17, 18, 19 & 20

UTILITY PARCEL 103 VACATED PER DOC. 2576125

~~103~~ VILLAGE OF MOUNT PLEASANT - WATERMAIN
NO RECORD OF EASEMENT PARCEL 17

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

2260-08-20 - 4.01

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.02 AMENDMENT NO. 1

AMENDS PARCEL 29 OF TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.02 RECORDED AS DOCUMENT NUMBER 2527976.

THAT PART OF LOTS 19, 20, 21, 22, 23 AND 24, BLOCK 13 OF JEROME PARK SUBDIVISION, BEING PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 20, AND LOTS 14, 15, 16, 17, 18 AND 19, BLOCK 13, LOTS 21, 22, 23 AND 24, BLOCK 27, ALL IN JEROME PARK SUBDIVISION, BEING PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 20, AND LOTS 1, 2 AND 3, BLOCK 4, SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 29, ALL IN THE CITY OF RACINE, ALSO THAT PART OF LOTS 4, 5 AND 6, BLOCK 4 OF SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 29, AND LOTS 1, 2, 3, 4, 5 AND 6, BLOCK 5, AND LOTS 1, 2, 3, 27, 28 AND 29, BLOCK 6, ALL IN SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 29, ALL IN THE VILLAGE OF MT. PLEASANT, ALL IN TOWN 3 NORTH, RANGE 23 EAST, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF RACINE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF RACINE, PURSUANT TO THE PROVISIONS OF SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES.

NOTES:

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

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED UPON COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 3 OF DOCUMENT 2527209, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 11	PROJECT 2704-02-20	66'	1989
STH 11	JEROME PARK SUBDIVISION	66'	1961
STH 11	SHERIDAN WOODS SUBDIVISION	66'	1928
WELLINGTON DRIVE	JEROME PARK SUBDIVISION	60'	1961
PHILLIPS AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
PACKARD AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
HAMILTON AVE	JEROME PARK SUBDIVISION	VARIES	1961
HAMILTON AVE	PROJECT 2704-02-20	60'	1989
S MEMORIAL DR	PROJECT 2704-02-20	80'	1989
S MEMORIAL DR	CSM 2647	VARIES	2004

raSmith
CREATIVITY BEYOND ENGINEERING

I, SHANE M. ZODROW, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 2260-08-20 – 4.02 AMENDMENT NO. 1 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN SHANE M. ZODROW S-2869 GREENDALE WI LAND SURVEYOR

10/17/19
SHANE M. ZODROW DATE
AGENT FOR R.A. SMITH, INC.
P.L.S. NUMBER 2869

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF RACINE.

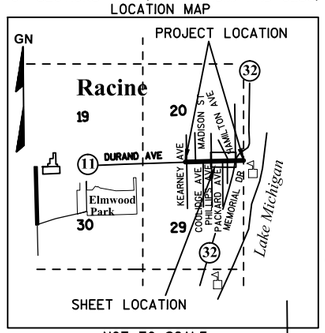
JAMES PACENICK 8-15-2019
PRINTED NAME SIGNATURE DATE:

Vol 1 Pg 338

Document # 2534965
RACINE COUNTY REGISTER OF DEEDS
October 31, 2019 08:36 AM
CONNIE COBB MADSEN
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2260-08-20 - 4.02
AMENDMENT NO:1
SHEET 1 OF 2

LOCATION MAP



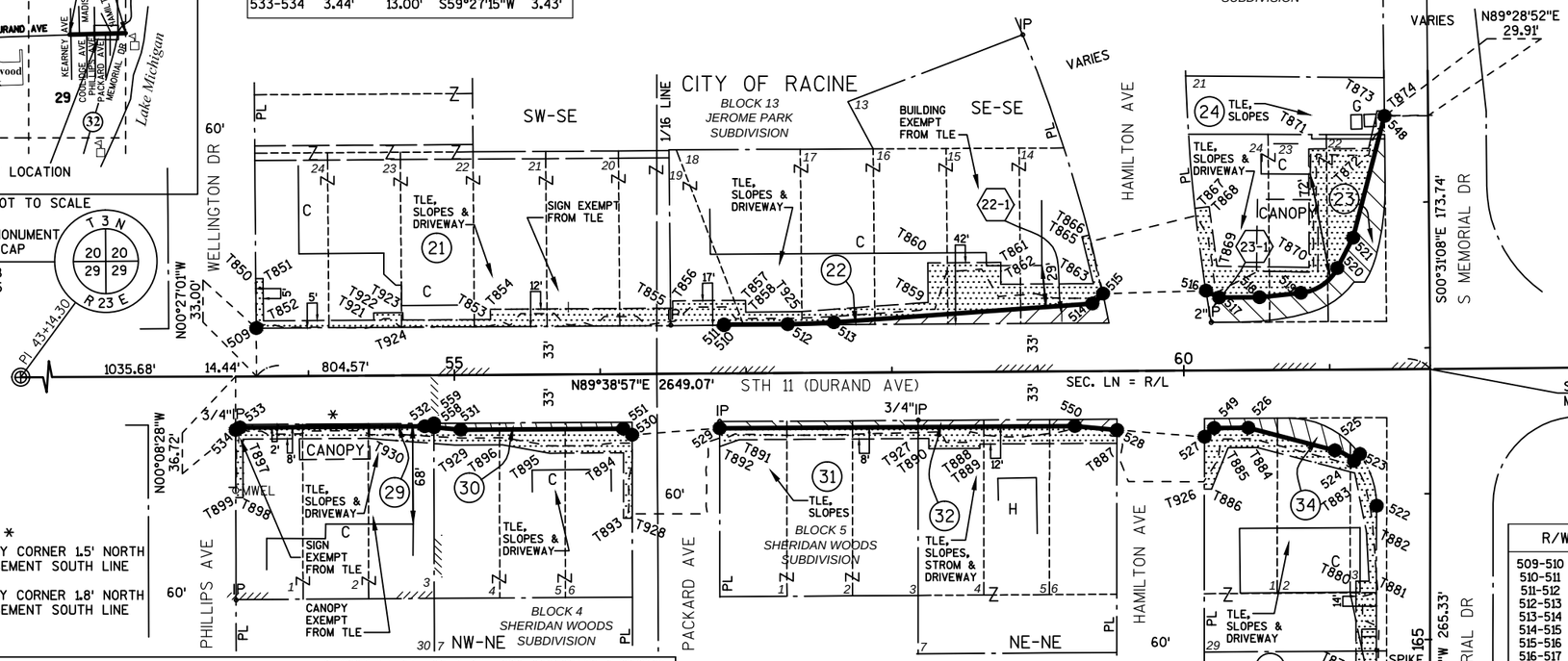
NOT TO SCALE

CAST IRON MONUMENT WITH BRASS CAP
Y=175068.838
X=633719.905



PI 43+14.30

R/W CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
512-513	31.65'	475.50'	N87°44'31"E	31.65'
519-520	31.48'	32.00'	N55°45'18"E	30.22'
522-523	37.81'	60.00'	N18°00'04"W	37.19'
524-525	15.20'	31.00'	N61°18'36"W	15.04'
533-534	3.44'	13.00'	S59°27'15"W	3.43'



* NORTHWEST CANOPY CORNER 1.5' NORTH OF HIGHWAY EASEMENT SOUTH LINE

NORTHEAST CANOPY CORNER 1.8' NORTH OF HIGHWAY EASEMENT SOUTH LINE

GN

SCALE, FEET
0 50 100

PI	Y	X
166+85.33	175,080.20	635,574.56

SIGN	
NO.	OWNER
22-1	NAROTTAMBHAI V. & DAHRBEN N. PATEL
23-1	RACINE BUDGET AUTO SALES

TLE STATION & OFFSET TABLE		
T850	53+64.30	67.00' LT
T851	53+69.30	67.00' LT
T852	53+69.35	38.00' LT
T921	54+45.00	38.00' LT
T922	54+45.00	43.00' LT
T923	54+65.00	43.00' LT
T924	54+65.00	38.00' LT
T853	55+25.00	38.00' LT
T854	55+25.00	45.00' LT
T855	56+50.00	45.00' LT
T856	56+50.00	50.00' LT
T857	57+00.00	50.00' LT
T858	57+00.00	42.00' LT
T925	57+36.65	42.00' LT
T859	58+25.00	47.89' LT
T860	58+25.00	75.00' LT
T861	58+75.00	75.00' LT
T862	58+75.00	60.00' LT
T863	59+38.37	60.00' LT
T865	59+30.83	92.15' LT
T866	59+35.68	93.36' LT
T867	60+08.31	111.28' LT
T868	60+18.09	112.30' LT
T869	60+23.25	71.41' LT
T870	60+86.27	70.24' LT
T871	168+37.00(MEM)	81.88' LT
T872	168+37.00(MEM)	40.99' LT
T873	168+62.68(MEM)	34.92' LT
T874	168+62.68(MEM)	29.92' LT
T876	164+20.00(MEM)	36.79' LT
T877	164+20.00(MEM)	53.79' LT
T878	164+80.00(MEM)	53.79' LT
T879	164+80.00(MEM)	50.79' LT
T880	165+40.00(MEM)	50.79' LT
T881	165+40.00(MEM)	41.79' LT
T882	165+73.96(MEM)	43.78' LT
T883	61+16.76	70.90' RT
T884	60+50.00	53.00' RT
T885	60+30.00	53.00' RT
T886	60+18.62	81.24' RT
T926	60+13.62	81.21' RT
T887	59+53.85	49.50' RT
T888	58+60.00	49.50' RT
T889	58+60.00	52.50' RT
T890	58+25.00	52.50' RT
T927	58+25.00	45.50' RT
T891	56+95.00	45.50' RT
T892	56+81.58	50.00' RT
T928	56+21.36	98.86' RT
T893	56+15.36	98.86' RT
T894	56+15.56	54.00' RT
T895	55+65.27	54.00' RT
T896	55+32.76	48.00' RT
T929	55+00.00	48.00' RT
T930	54+40.00	43.00' RT
T897	53+54.82	43.00' RT
T898	53+54.67	83.00' RT
T899	53+49.67	36.72' RT

R/W COURSE TABLE		
509-510	N89°38'57"E	320.64'
510-511	N00°21'03"W	0.50'
511-512	N89°38'57"E	43.62'
512-513	SEE CURVE DATA	
513-514	N85°50'06"E	177.72'
514-515	N47°07'21"E	10.00'
515-516	N88°21'12"E	70.55'
516-517	S62°41'58"E	10.19'
517-518	N89°38'57"E	27.66'
518-519	N83°56'11"E	28.54'
519-520	SEE CURVE DATA	
520-521	N27°34'26"E	23.45'
521-548	N14°24'22"E	86.08'
T876-522	N00°03'06"E	171.65'
522-523	SEE CURVE DATA	
523-524	S40°01'18"W	6.13'
524-525	SEE CURVE DATA	
525-526	N75°21'11"W	61.25'
526-549	S89°38'57"W	23.59'
549-527	S46°52'17"W	8.87'
527-528	N85°27'40"W	60.18'
528-550	N84°38'25"W	29.12'
550-529	S89°38'57"W	243.30'
529-530	S85°38'14"W	60.17'
530-551	N55°41'44"W	7.40'
551-531	S89°38'57"W	111.50'
531-558	N84°33'21"W	18.37'
558-559	N00°06'58"W	2.65'
558-532	N84°33'21"W	6.39'
531-532	N84°33'21"W	24.76'
532-533	S89°38'57"W	126.58'
533-534	SEE CURVE DATA	

R/W STATION & OFFSET TABLE		
509	53+64.36	33.00' LT
510	56+85.00	33.00' LT
511	56+85.00	33.50' LT
512	57+28.62	33.50' LT
513	57+60.25	34.55' LT
514	59+37.58	46.38' LT
515	59+44.95	53.13' LT
516	60+15.48	54.73' LT
517	60+24.51	50.00' LT
518	60+52.17	50.00' LT
519	60+80.57	52.84' LT
520	61+05.66	69.70' LT
521	167+75.90(MEM)	52.08' LT
548	168+59.07(MEM)	29.91' LT
522	165+91.65(MEM)	36.79' LT
523	61+20.27	57.99' RT
524	61+16.30	62.65' RT
525	61+03.14	55.35' RT
526	60+43.98	39.50' RT
549	60+20.39	39.50' RT
527	60+13.87	45.53' RT
528	59+53.91	40.40' RT
550	59+24.93	37.50' RT
529	56+81.63	37.50' RT
530	56+21.61	41.71' RT
551	56+15.52	37.50' RT
531	55+04.02	37.50' RT
558	54+85.75	35.65' RT
559	54+85.76	33.00' RT
532	54+79.39	35.00' RT
533	53+52.80	35.00' RT
534	53+49.84	36.72' RT

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ. FT.	PLE SQ. FT.
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	TLE	-	-	-	2,530	-
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	FEE, TLE	1,537	-	1,537	4,910	-
23	RACINE BUDGET AUTO SALES, LLC.	FEE, TLE	3,059	-	3,059	4,920	-
24	SAUL R. SANCHEZ	FEE, TLE	21	-	21	91	-
25	ELIMINATED	-	-	-	-	-	-
26	ELIMINATED	-	-	-	-	-	-
27	ELIMINATED	-	-	-	-	-	-
28	ELIMINATED	-	-	-	-	-	-
29	NARENDRA SHAH	HE, TLE	276(HE)	-	276(HE)	1,370	-
30	J.P. AUTOBODY, LLC.	FEE, TLE	607	-	607	2,127	-
31	RECYCLED AUTO PARKS, LLC.	TLE	612	-	612	1119	-
32	ESTEVAN & KAREN GARCIA	FEE, TLE	655	-	655	1668	-
33	ELIMINATED	-	-	-	-	-	-
34	MT. PLEASANT - DURAND, LLC.	FEE, TLE	1145	-	1145	2,911	-
35	DAVID M. & DONNA J. DIXON	TLE	-	-	-	1,188	-

PARCEL NUMBER	OWNER	TAX KEY
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	276-00-00-15-634-000
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	276-00-00-15-626-000
23	RACINE BUDGET AUTO SALES, LLC.	276-00-00-16-618-000
24	SAUL R. SANCHEZ	276-00-00-16-616-000
25	ELIMINATED	-
26	ELIMINATED	-
27	ELIMINATED	-
28	ELIMINATED	-
29	NARENDRA SHAH	276-00-00-16-875-003
30	J.P. AUTOBODY, LLC.	151-03-23-29-487-000
31	RECYCLED AUTO PARKS, LLC.	151-03-23-29-515-000
32	ESTEVAN & KAREN GARCIA	151-03-23-29-518-000
33	ELIMINATED	-
34	MT. PLEASANT - DURAND, LLC.	151-03-23-29-544-000
35	DAVID M. & DONNA J. DIXON	151-03-23-29-572-000

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.02 AMENDMENT NO. 1

AMENDS PARCEL 29 OF TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.02 RECORDED AS DOCUMENT NUMBER 2527976.

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 3 OF DOCUMENT 2527209, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

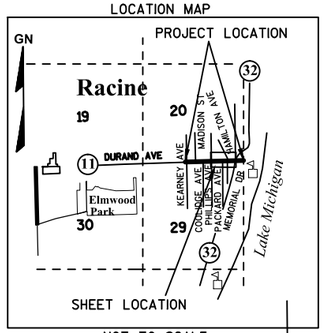
raSmith
CREATIVITY BEYOND ENGINEERING

Vol 1 PG 339

TPP PROJECT NUMBER 2260-08-20 - 4.02 AMENDMENT NO. 1
SHEET 2 OF 2

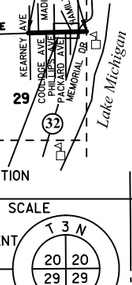
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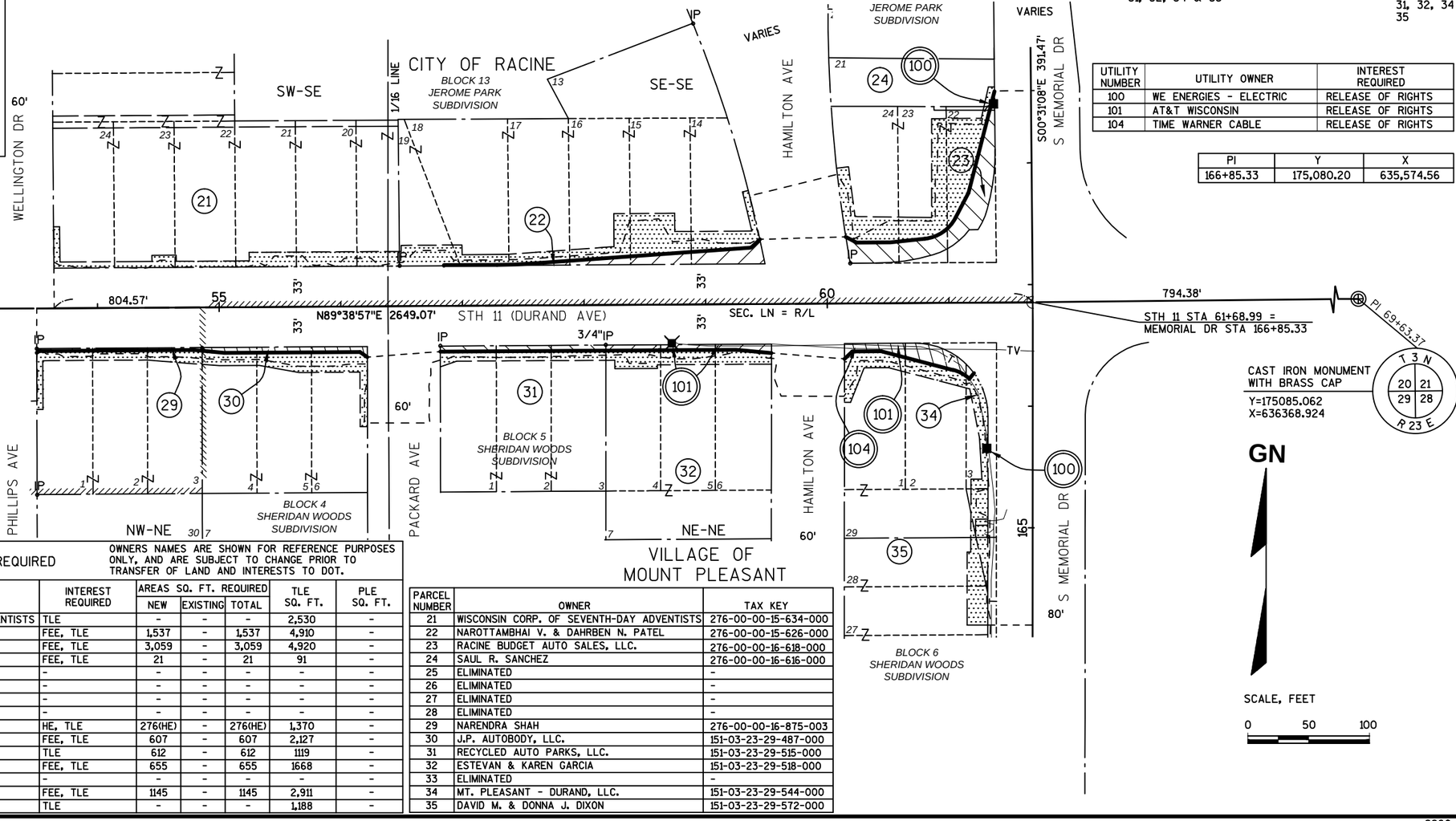
LOCATION MAP



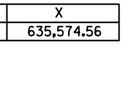
NOT TO SCALE

CAST IRON MONUMENT WITH BRASS CAP
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X=633719.905





CAST IRON MONUMENT WITH BRASS CAP
Y=175085.062
X=636368.924



GN

SCALE, FEET
0 50 100

101 AT&T WISCONSIN

NON DESCRIPT EASEMENT
DOC.350910
V.250, P.597
PARCELS 29, 30, 31, 32, 34 & 35

NON DESCRIPT EASEMENT
DOC.349126
V.248, P.484
PARCELS 29, 30, 31, 32, 34 & 35

10'X10' EASEMENT
DOC.1249270
V.1900, P.421
PARCEL 34

10'X15' EASEMENT
DOC.2182067
V.1900, P.421
PARCEL 34

100 WE ENERGIES - ELECTRIC

3' EASEMENT
DOC.536664
V.857, P.563
DOC.889813
V.1105, P.500
PARCEL 23

NON DESCRIPT EASEMENT
DOC.350910
V.250, P.597
PARCELS 29, 31, 32, 34 & 35

NO RECORD OF EASEMENT
PARCEL 24

NON DESCRIPT EASEMENT
DOC.349126
V.248, P.484
PARCELS 29, 31, 32, 34 & 35

104 TIME WARNER CABLE

NO RECORD OF EASEMENT
PARCEL 34

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
100	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
101	AT&T WISCONSIN	RELEASE OF RIGHTS
104	TIME WARNER CABLE	RELEASE OF RIGHTS

PI	Y	X
166+85.33	175,080.20	635,574.56

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED			TLE SQ. FT.	PLE SQ. FT.
			NEW	EXISTING	TOTAL		
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	TLE	-	-	-	2,530	-
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	FEE, TLE	1,537	-	1,537	4,910	-
23	RACINE BUDGET AUTO SALES, LLC.	FEE, TLE	3,059	-	3,059	4,920	-
24	SAUL R. SANCHEZ	FEE, TLE	21	-	21	91	-
25	ELIMINATED	-	-	-	-	-	-
26	ELIMINATED	-	-	-	-	-	-
27	ELIMINATED	-	-	-	-	-	-
28	ELIMINATED	-	-	-	-	-	-
29	NARENDRA SHAH	HE, TLE	276(HE)	-	276(HE)	1,370	-
30	J.P. AUTOBODY, LLC.	FEE, TLE	607	-	607	2,127	-
31	RECYCLED AUTO PARKS, LLC.	TLE	612	-	612	1119	-
32	ESTEVAN & KAREN GARCIA	FEE, TLE	655	-	655	1668	-
33	ELIMINATED	-	-	-	-	-	-
34	MT. PLEASANT - DURAND, LLC.	FEE, TLE	1145	-	1145	2,911	-
35	DAVID M. & DONNA J. DIXON	TLE	-	-	-	1,188	-

PARCEL NUMBER	OWNER	TAX KEY
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	276-00-00-15-634-000
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	276-00-00-15-626-000
23	RACINE BUDGET AUTO SALES, LLC.	276-00-00-16-618-000
24	SAUL R. SANCHEZ	276-00-00-16-616-000
25	ELIMINATED	-
26	ELIMINATED	-
27	ELIMINATED	-
28	ELIMINATED	-
29	NARENDRA SHAH	276-00-00-16-875-003
30	J.P. AUTOBODY, LLC.	151-03-23-29-487-000
31	RECYCLED AUTO PARKS, LLC.	151-03-23-29-515-000
32	ESTEVAN & KAREN GARCIA	151-03-23-29-518-000
33	ELIMINATED	-
34	MT. PLEASANT - DURAND, LLC.	151-03-23-29-544-000
35	DAVID M. & DONNA J. DIXON	151-03-23-29-572-000

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.02

THAT PART OF LOTS 19, 20, 21, 22, 23 AND 24, BLOCK 13 OF JEROME PARK SUBDIVISION, BEING PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 20, AND LOTS 14, 15, 16, 17, 18 AND 19, BLOCK 13, LOTS 21, 22, 23 AND 24, BLOCK 27, ALL IN JEROME PARK SUBDIVISION, BEING PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 20, AND LOTS 1, 2 AND 3, BLOCK 4, SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 29, ALL IN THE CITY OF RACINE, ALSO THAT PART OF LOTS 4, 5 AND 6, BLOCK 4 OF SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, SECTION 29, AND LOTS 1, 2, 3, 4, 5 AND 6, BLOCK 5, AND LOTS 1, 2, 3, 27, 28 AND 29, BLOCK 6, ALL IN SHERIDAN WOODS SUBDIVISION, BEING PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 29, ALL IN THE VILLAGE OF MT. PLEASANT, ALL IN TOWN 3 NORTH, RANGE 23 EAST, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF RACINE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF RACINE, PURSUANT TO THE PROVISIONS OF SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES.

NOTES:

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

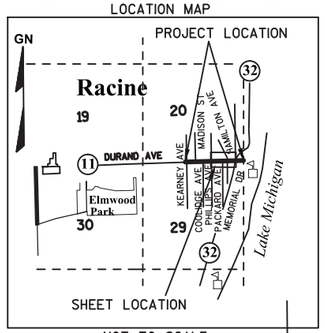
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED UPON COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 3 OF DOCUMENT 2527209, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 11	PROJECT 2704-02-20	66'	1989
STH 11	JEROME PARK SUBDIVISION	66'	1961
STH 11	SHERIDAN WOODS SUBDIVISION	66'	1928
WELLINGTON DRIVE	JEROME PARK SUBDIVISION	60'	1961
PHILLIPS AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
PACKARD AVE	SHERIDAN WOODS SUBDIVISION	60'	1928
HAMILTON AVE	JEROME PARK SUBDIVISION	VARIES	1961
HAMILTON AVE	PROJECT 2704-02-20	60'	1989
S MEMORIAL DR	PROJECT 2704-02-20	80'	1989
S MEMORIAL DR	CSM 2647	VARIES	2004

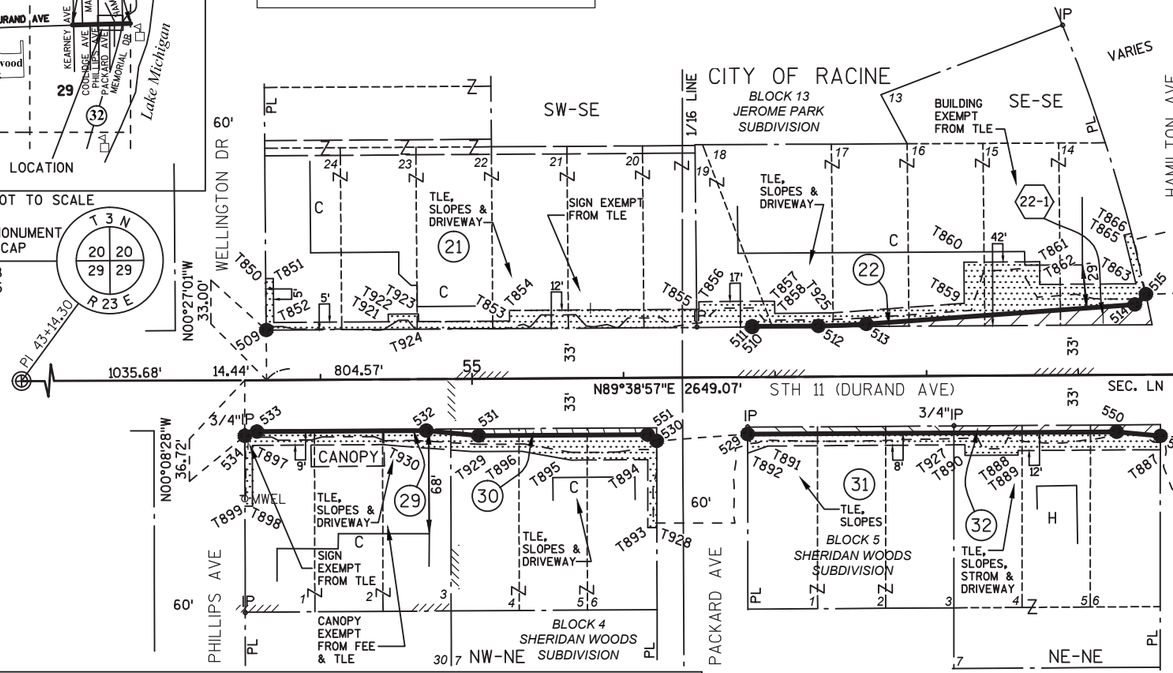
LOCATION MAP



NOT TO SCALE

CAST IRON MONUMENT WITH BRASS CAP
Y=175068.838
X=633719.905

R/W CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
512-513	31.65'	475.50'	N87°44'31"E	31.65'
519-520	31.48'	32.00'	N55°45'18"E	30.22'
522-523	37.81'	60.00'	N18°00'04"W	37.19'
524-525	15.20'	31.00'	N61°18'36"W	15.04'
533-534	8.57'	13.00'	S70°45'50"W	8.42'



SCHEDULE OF LANDS & INTEREST REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.					
PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ. FT.	PLE SQ. FT.
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	TLE	-	-	-	2,530	-
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	FEE, TLE	1,537	-	1,537	4,910	-
23	RACINE BUDGET AUTO SALES, LLC.	FEE, TLE	3,059	-	3,059	4,920	-
24	SAUL R. SANCHEZ	FEE, TLE	21	-	21	91	-
25	ELIMINATED	-	-	-	-	-	-
26	ELIMINATED	-	-	-	-	-	-
27	ELIMINATED	-	-	-	-	-	-
28	ELIMINATED	-	-	-	-	-	-
29	NARENDRA SHAH	FEE, TLE	156	-	156	1,490	-
30	J.P. AUTOBODY, LLC.	FEE, TLE	607	-	607	2,127	-
31	RECYCLED AUTO PARKS, LLC.	TLE	612	-	612	1119	-
32	ESTEVAN & KAREN GARCIA	FEE, TLE	655	-	655	1668	-
33	ELIMINATED	-	-	-	-	-	-
34	MT. PLEASANT - DURAND, LLC.	FEE, TLE	1145	-	1145	2,911	-
35	DAVID M. & DONNA J. DIXON	TLE	-	-	-	1,188	-

PARCEL NUMBER	OWNER	TAX KEY
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	276-00-00-15-634-000
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	276-00-00-15-626-000
23	RACINE BUDGET AUTO SALES, LLC.	276-00-00-16-618-000
24	SAUL R. SANCHEZ	276-00-00-16-616-000
25	ELIMINATED	-
26	ELIMINATED	-
27	ELIMINATED	-
28	ELIMINATED	-
29	NARENDRA SHAH	276-00-00-16-875-003
30	J.P. AUTOBODY, LLC.	151-03-23-29-487-000
31	RECYCLED AUTO PARKS, LLC.	151-03-23-29-515-000
32	ESTEVAN & KAREN GARCIA	151-03-23-29-518-000
33	ELIMINATED	-
34	MT. PLEASANT - DURAND, LLC.	151-03-23-29-544-000
35	DAVID M. & DONNA J. DIXON	151-03-23-29-572-000

raSmith
CREATIVITY BEYOND ENGINEERING

I, SHANE M. ZODROW, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 2260-08-20 – 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN SHANE M. ZODROW S-2869 GREENDALE WI LAND SURVEYOR

08/08/19
DATE

SHANE M. ZODROW
AGENT FOR R.A. SMITH, INC.
P.L.S. NUMBER 2869

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE

JAMES PALENICH
PRINTED NAME

SIGNATURE

8-15-2019
DATE:

Vol 1 Pg 334

Document # 2527976
RACINE COUNTY REGISTER OF DEEDS
August 15, 2019 10:46 AM
Connie C. Madsen
CONNIE COBB MADSEN
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2260-08-20 - 4.02
AMENDMENT NO:___
SHEET 1 OF 2

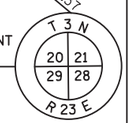
GN

SCALE, FEET
0 50 100

PI	Y	X
166+85.33	175,080.20	635,574.56

SIGN	
NO.	OWNER
22-1	NAROTTAMBHAI V. & DAHRBEN N. PATEL
23-1	RACINE BUDGET AUTO SALES

CAST IRON MONUMENT WITH BRASS CAP
Y=175085.062
X=636368.924



R/W COURSE TABLE		
509-510	N89°38'57"E	320.64'
510-511	N00°21'03"W	0.50'
511-512	N89°38'57"E	43.62'
512-513	SEE CURVE DATA	
513-514	N85°50'06"E	177.72'
514-515	N47°07'21"E	10.00'
515-516	N88°21'12"E	70.55'
516-517	S62°41'58"E	10.19'
517-518	N89°38'57"E	27.66'
518-519	N83°56'11"E	28.54'
519-520	SEE CURVE DATA	
520-521	N27°34'26"E	23.45'
521-548	N14°24'22"E	86.08'
T876-522	N00°03'06"E	171.65'
522-523	SEE CURVE DATA	
523-524	S40°01'18"W	6.13'
524-525	SEE CURVE DATA	
525-526	N75°21'11"W	61.25'
526-549	S89°38'57"W	23.59'
549-527	S46°52'17"W	8.87'
527-528	N85°27'40"W	60.18'
528-550	N84°38'25"W	29.12'
550-529	S89°38'57"W	243.30'
529-530	S85°38'14"W	60.17'
530-551	N55°41'44"W	7.40'
551-531	S89°38'57"W	111.50'
531-532	N84°33'21"W	34.66'
532-533	S89°38'57"W	111.73'
533-534	SEE CURVE DATA	

R/W STATION & OFFSET TABLE		
509	53+64.36	33.00' LT
510	56+85.00	33.00' LT
511	56+85.00	33.50' LT
512	57+28.62	33.50' LT
513	57+60.25	34.55' LT
514	59+37.58	46.38' LT
515	59+44.95	53.13' LT
516	60+15.48	54.73' LT
517	60+24.51	50.00' LT
518	60+52.17	50.00' LT
519	60+80.57	52.84' LT
520	61+05.66	69.70' LT
521	167+75.90(MEM)	52.08' LT
548	168+59.07(MEM)	29.91' LT
522	165+91.65(MEM)	36.79' LT
523	61+20.27	57.99' RT
524	61+16.30	62.65' RT
525	61+03.14	55.35' RT
526	60+43.98	39.50' RT
549	60+20.39	39.50' RT
527	60+13.87	45.53' RT
528	59+53.91	40.40' RT
550	59+24.93	37.50' RT
529	56+81.63	37.50' RT
530	56+21.61	41.71' RT
551	56+15.52	37.50' RT
531	55+04.02	37.50' RT
532	54+69.54	34.00' RT
533	53+57.80	34.00' RT
534	53+49.84	36.72' RT

TLE STATION & OFFSET TABLE		
T850	53+64.30	67.00' LT
T851	53+69.30	67.00' LT
T852	53+69.35	38.00' LT
T921	54+45.00	38.00' LT
T922	54+45.00	43.00' LT
T923	54+65.00	43.00' LT
T924	54+65.00	38.00' LT
T853	55+25.00	38.00' LT
T854	55+25.00	45.00' LT
T855	56+50.00	45.00' LT
T856	56+50.00	50.00' LT
T857	57+00.00	50.00' LT
T858	57+00.00	42.00' LT
T925	57+36.65	42.00' LT
T859	58+25.00	47.89' LT
T860	58+25.00	75.00' LT
T861	58+75.00	75.00' LT
T862	58+75.00	60.00' LT
T863	59+38.37	60.00' LT
T865	59+30.83	92.15' LT
T866	59+35.68	93.36' LT
T867	60+08.31	111.28' LT
T868	60+18.09	112.30' LT
T869	60+23.25	71.41' LT
T870	60+86.27	70.24' LT
T871	168+37.00(MEM)	81.88' LT
T872	168+37.00(MEM)	40.99' LT
T873	168+62.68(MEM)	34.92' LT
T874	168+62.68(MEM)	29.92' LT
T876	164+20.00(MEM)	36.79' LT
T877	164+20.00(MEM)	53.79' LT
T878	164+80.00(MEM)	53.79' LT
T879	164+80.00(MEM)	50.79' LT
T880	165+40.00(MEM)	50.79' LT
T881	165+40.00(MEM)	41.79' LT
T882	165+73.96(MEM)	43.78' LT
T883	61+16.76	70.90' RT
T884	60+50.00	53.00' RT
T885	60+30.00	53.00' RT
T886	60+18.62	81.24' RT
T926	60+13.62	81.21' RT
T887	59+53.85	49.50' RT
T888	58+60.00	49.50' RT
T889	58+60.00	52.50' RT
T890	58+25.00	52.50' RT
T927	58+25.00	45.50' RT
T891	56+95.00	45.50' RT
T892	56+81.58	50.00' RT
T928	56+21.36	98.86' RT
T893	56+15.36	98.86' RT
T894	56+15.56	54.00' RT
T895	55+65.27	54.00' RT
T896	55+32.76	48.00' RT
T929	55+00.00	48.00' RT
T930	54+40.00	43.00' RT
T897	53+54.82	43.00' RT
T898	53+54.67	83.00' RT
T899	53+49.67	191' RT

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.02

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

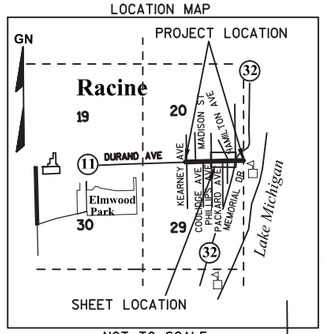
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 3 OF DOCUMENT 2527209, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

raSmith
CREATIVITY BEYOND ENGINEERING

TPP PROJECT NUMBER 2260-08-20 - 4.02
SHEET 2 OF 2

Vol 1 Pg 335

LOCATION MAP

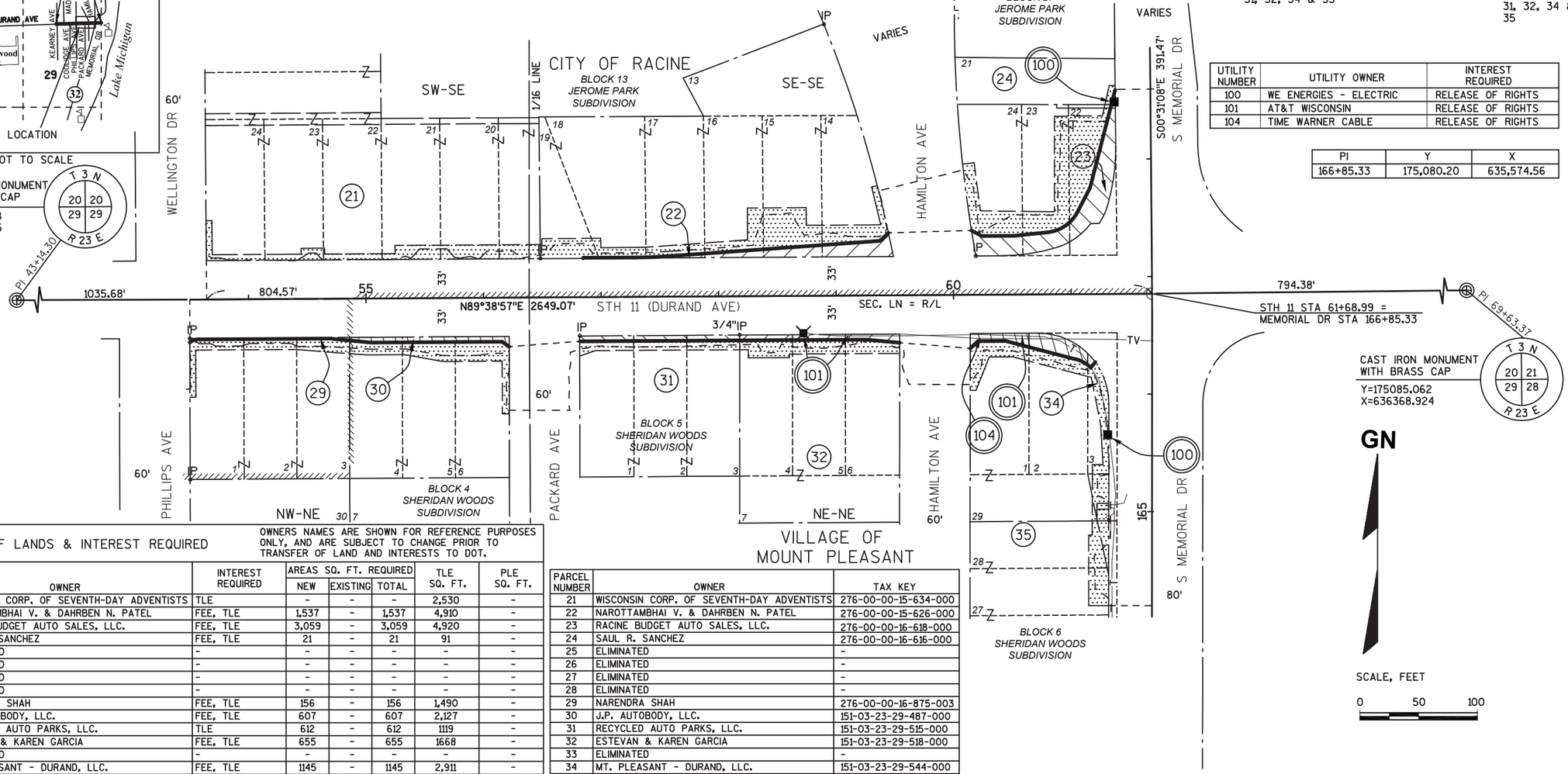


NOT TO SCALE

CAST IRON MONUMENT WITH BRASS CAP
Y=175068.838
X=633719.905

T 3 N
20 20
29 29
R 23 E

PI 43+14.30



CAST IRON MONUMENT WITH BRASS CAP
Y=175085.062
X=636368.924

T 3 N
20 21
29 28
R 23 E

GN

SCALE, FEET
0 50 100

(101) AT&T WISCONSIN

NON DESCRIPT EASEMENT
DOC.350910
V.250, P.597
PARCELS 29, 30, 31, 32, 34 & 35

NON DESCRIPT EASEMENT
DOC.349126
V.248, P.484
PARCELS 29, 30, 31, 32, 34 & 35

10'X10' EASEMENT
DOC.1249270
V.1900, P.421
PARCEL 34

10'X15' EASEMENT
DOC.2182067
V.1900, P.421
PARCEL 34

(100) WE ENERGIES - ELECTRIC

3' EASEMENT
DOC.536664
V.857, P.563
DOC.889813
V.1105, P.500
PARCEL 23

NON DESCRIPT EASEMENT
DOC.350910
V.250, P.597
PARCELS 29, 31, 32, 34 & 35

NO RECORD OF EASEMENT
PARCEL 24

NON DESCRIPT EASEMENT
DOC.349126
V.248, P.484
PARCELS 29, 31, 32, 34 & 35

(104) TIME WARNER CABLE

NO RECORD OF EASEMENT
PARCEL 34

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
100	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
101	AT&T WISCONSIN	RELEASE OF RIGHTS
104	TIME WARNER CABLE	RELEASE OF RIGHTS

PI	Y	X
166+85.33	175,080.20	635,574.56

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ. FT.	PLE SQ. FT.
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	TLE	-	-	-	2,530	-
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	FEE, TLE	1,537	-	1,537	4,910	-
23	RACINE BUDGET AUTO SALES, LLC.	FEE, TLE	3,059	-	3,059	4,920	-
24	SAUL R. SANCHEZ	FEE, TLE	21	-	21	91	-
25	ELIMINATED	-	-	-	-	-	-
26	ELIMINATED	-	-	-	-	-	-
27	ELIMINATED	-	-	-	-	-	-
28	ELIMINATED	-	-	-	-	-	-
29	NARENDRA SHAH	FEE, TLE	156	-	156	1,490	-
30	J.P. AUTOBODY, LLC.	FEE, TLE	607	-	607	2,127	-
31	RECYCLED AUTO PARKS, LLC.	TLE	612	-	612	1119	-
32	ESTEVAN & KAREN GARCIA	FEE, TLE	655	-	655	1668	-
33	ELIMINATED	-	-	-	-	-	-
34	MT. PLEASANT - DURAND, LLC.	FEE, TLE	1145	-	1145	2,911	-
35	DAVID M. & DONNA J. DIXON	TLE	-	-	-	1,188	-

PARCEL NUMBER	OWNER	TAX KEY
21	WISCONSIN CORP. OF SEVENTH-DAY ADVENTISTS	276-00-00-15-634-000
22	NAROTTAMBHAI V. & DAHRBEN N. PATEL	276-00-00-15-626-000
23	RACINE BUDGET AUTO SALES, LLC.	276-00-00-16-618-000
24	SAUL R. SANCHEZ	276-00-00-16-616-000
25	ELIMINATED	-
26	ELIMINATED	-
27	ELIMINATED	-
28	ELIMINATED	-
29	NARENDRA SHAH	276-00-00-16-875-003
30	J.P. AUTOBODY, LLC.	151-03-23-29-487-000
31	RECYCLED AUTO PARKS, LLC.	151-03-23-29-515-000
32	ESTEVAN & KAREN GARCIA	151-03-23-29-518-000
33	ELIMINATED	-
34	MT. PLEASANT - DURAND, LLC.	151-03-23-29-544-000
35	DAVID M. & DONNA J. DIXON	151-03-23-29-572-000

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.03

THAT PART OF PARCEL 2, CSM 2647, BEING A PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 20, IN THE CITY OF RACINE, ALSO THAT PART OF LOTS 5, 6, 7 AND 8, BLOCK 6, AND LOTS 1 AND 2, BLOCK 7, ALL IN SHERIDAN WOODS SUBDIVISION, BEING A PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 29, IN THE VILLAGE OF MT. PLEASANT, ALL IN TOWN 3 NORTH, RANGE 23 EAST, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF RACINE DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF RACINE, PURSUANT TO THE PROVISIONS OF SECTIONS 62.22, 61.43(3)(3M) AND 61.36, WISCONSIN STATUTES.

NOTES:

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

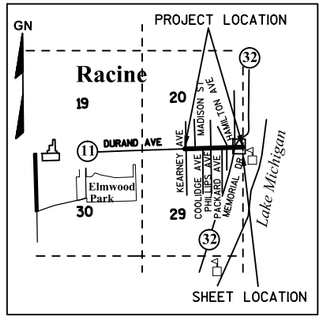
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED UPON COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET RECORDED AS SHEET 2 OF 3 OF DOCUMENT 2527209, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 11	PROJECT 2704-02-20	VARIES	1989
STH 11	PROJECT 3240-05-21	VARIES	2008
STH 11	076-(1)	VARIES	1951
CAPITOL AVE	PROJECT 2704-02-20	60'	1989
S MEMORIAL DR	PROJECT 2704-02-20	80'	1989
S MEMORIAL DR	CSM 2647	VARIES	2004

LOCATION MAP



NOT TO SCALE

raSmith
CREATIVITY BEYOND ENGINEERING

I, SHANE M. ZODROW, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 2260-08-20 – 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN SHANE M. ZODROW S-2869 GREENDALE WI LAND SURVEYOR

08/08/19
DATE

SHANE M. ZODROW
AGENT FOR R.A. SMITH, INC.
P.L.S. NUMBER 2869

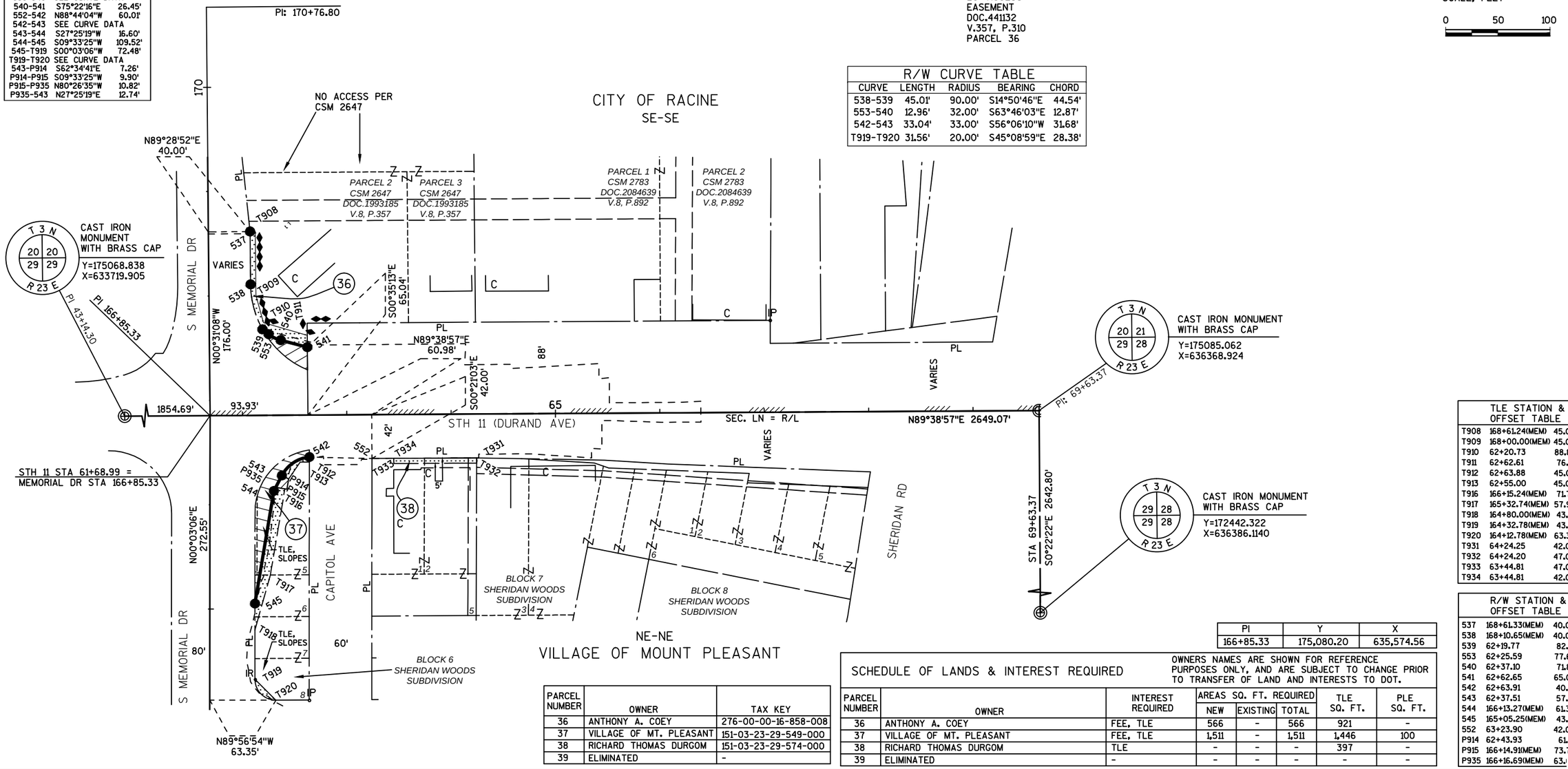
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF RACINE.

JAMES PALENICH — 8-15-2019
PRINTED NAME — SIGNATURE — DATE:

Vol 1 Pg 336
Document # 2527977
RACINE COUNTY REGISTER OF DEEDS
August 13, 2019 10:46 AM
Connie C. Madsen
CONNIE COBB MADSEN
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 2

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 2260-08-20 - 4.03
AMENDMENT NO: ___
SHEET 1 OF 2

R/W COURSE TABLE		
537-538	S00°31'08"E	50.68'
538-539	SEE CURVE DATA	
539-553	S51°33'38"E	7.46'
553-540	SEE CURVE DATA	
540-541	S75°22'16"E	26.45'
552-542	N88°44'04"W	60.01'
542-543	SEE CURVE DATA	
543-544	S27°25'19"W	16.60'
544-545	S09°33'25"W	109.52'
545-T919	S00°03'06"W	72.48'
T919-T920	SEE CURVE DATA	
543-P914	S62°34'41"E	7.26'
P914-P915	S09°33'25"W	9.90'
P915-P935	N80°26'35"W	10.82'
P935-543	N27°25'19"E	12.74'



20' ACCESS EASEMENT DOC.441132 V.357, P.310 PARCEL 36

R/W CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
538-539	45.01'	90.00'	S14°50'46"E	44.54'
553-540	12.96'	32.00'	S63°46'03"E	12.87'
542-543	33.04'	33.00'	S56°06'10"W	31.68'
T919-T920	31.56'	20.00'	S45°08'59"E	28.38'

PI	Y	X
166+85.33	175,080.20	635,574.56

TLE STATION & OFFSET TABLE		
T908	168+61.24(MEM)	45.00' RT
T909	168+00.00(MEM)	45.00' RT
T910	62+20.73	88.82' LT
T911	62+62.61	76.31' LT
T912	62+63.88	45.06' RT
T913	62+55.00	45.00' RT
T916	166+15.24(MEM)	71.76' RT
T917	165+32.74(MEM)	57.95' RT
T918	164+80.00(MEM)	43.21' RT
T919	164+32.78(MEM)	43.21' RT
T920	164+12.78(MEM)	63.35' RT
T931	64+24.25	42.00' RT
T932	64+24.20	47.00' RT
T933	63+44.81	47.00' RT
T934	63+44.81	42.00' RT

R/W STATION & OFFSET TABLE		
537	168+61.33(MEM)	40.00' RT
538	168+10.65(MEM)	40.00' RT
539	62+19.77	82.31' LT
553	62+25.59	77.63' LT
540	62+37.10	71.87' LT
541	62+62.65	65.03' LT
542	62+63.91	40.31' RT
543	62+37.51	57.81' RT
544	166+13.27(MEM)	61.30' RT
545	165+05.25(MEM)	43.21' RT
552	63+23.90	42.00' RT
P914	62+43.93	61.19' RT
P915	166+14.91(MEM)	73.74' RT
P935	166+16.69(MEM)	63.[illegible] RT

PARCEL NUMBER	OWNER	TAX KEY
36	ANTHONY A. COEY	276-00-00-16-858-008
37	VILLAGE OF MT. PLEASANT	151-03-23-29-549-000
38	RICHARD THOMAS DURGOM	151-03-23-29-574-000
39	ELIMINATED	-

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED			TLE SQ. FT.	PLE SQ. FT.
			NEW	EXISTING	TOTAL		
36	ANTHONY A. COEY	FEE, TLE	566	-	566	921	-
37	VILLAGE OF MT. PLEASANT	FEE, TLE	1,511	-	1,511	1,446	100
38	RICHARD THOMAS DURGOM	TLE	-	-	-	397	-
39	ELIMINATED	-	-	-	-	-	-

SCALE, FEET
0 50 100

GN

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 2260-08-20 - 4.03

RELOCATION ORDER DURAND AVENUE, KEARNEY AVENUE - STH 32

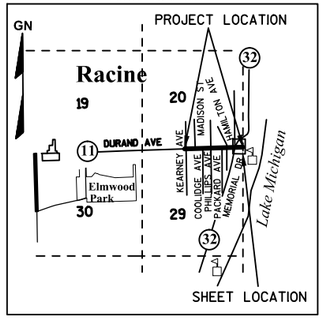
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raSmith
CREATIVITY BEYOND ENGINEERING

TPP PROJECT NUMBER 2260-08-20 - 4.03
SHEET 2 OF 2

Vol 1 PG 337

LOCATION MAP



NOT TO SCALE

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 11	PROJECT 2704-02-20	VARIES	1989
STH 11	PROJECT 3240-05-21	VARIES	2008
STH 11	076-(1)	VARIES	1951
CAPITOL AVE	PROJECT 2704-02-20	60'	1989
S MEMORIAL DR	PROJECT 2704-02-20	80'	1989
S MEMORIAL DR	CSM 2647	VARIES	2004

CITY OF RACINE
SE-SE

NE-NE
VILLAGE OF MOUNT PLEASANT

CAST IRON MONUMENT WITH BRASS CAP
T 3 N, R 23 E, 20 20 29 29
Y=175068.838
X=633719.905

CAST IRON MONUMENT WITH BRASS CAP
T 3 N, R 23 E, 20 21 29 28
Y=175085.062
X=636368.924

CAST IRON MONUMENT WITH BRASS CAP
T 3 N, R 23 E, 29 28 29 28
Y=172442.322
X=636386.1140

PI 43+14.30
PI 166+85.33
PI 69+63.37
1854.69'
STA 69+63.37
S0°22'22"E 2642.80'
N89°38'57"E 2649.07'
SEC. LN = R/L
65
42' STH 11 (DURAND AVE)
88'
60'
170
S MEMORIAL DR
CAPITOL AVE
SHERIDAN RD
STH 11 STA 61+68.99 =
MEMORIAL DR STA 166+85.33

PARCEL 2 CSM 2647 DOC.1993185 V.8, P.357
PARCEL 3 CSM 2647 DOC.1993185 V.8, P.357
PARCEL 1 CSM 2783 DOC.2084639 V.8, P.892
PARCEL 2 CSM 2783 DOC.2084639 V.8, P.892
BLOCK 6 SHERIDAN WOODS SUBDIVISION
BLOCK 7 SHERIDAN WOODS SUBDIVISION
BLOCK 8 SHERIDAN WOODS SUBDIVISION

100 WE ENERGIES - ELECTRIC
NON DESCRIPT EASEMENT DOC.350910 V.250, P.597 PARCELS 37 & 38
NON DESCRIPT EASEMENT DOC.349126 V.248, P.484 PARCELS 37 & 38
8' EASEMENT DOC.2136586 PARCEL 38

101 AT&T WISCONSIN
NON DESCRIPT EASEMENT DOC.350910 V.250, P.597 PARCELS 37 & 38
NON DESCRIPT EASEMENT DOC.349126 V.248, P.484 PARCELS 37 & 38

104 TIME WARNER CABLE
NO RECORD OF EASEMENT PARCEL 37

105 WE ENERGIES - GAS
NO RECORD OF EASEMENT PARCEL 37

SCALE, FEET
0 50 100

GN

PI	Y	X
166+85.33	175,080.20	635,574.56

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
100	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
101	AT&T WISCONSIN	RELEASE OF RIGHTS
104	TIME WARNER CABLE	RELEASE OF RIGHTS
105	WE ENERGIES - GAS	RELEASE OF RIGHTS

PARCEL NUMBER	OWNER	TAX KEY
36	ANTHONY A. COEY	276-00-00-16-858-008
37	VILLAGE OF MT. PLEASANT	151-03-23-29-549-000
38	RICHARD THOMAS DURGOM	151-03-23-29-574-000
39	ELIMINATED	-

SCHEDULE OF LANDS & INTEREST REQUIRED

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO DOT.

PARCEL NUMBER	OWNER	INTEREST REQUIRED	AREAS SQ. FT. REQUIRED NEW	EXISTING	TOTAL	TLE SQ. FT.	PLE SQ. FT.
36	ANTHONY A. COEY	FEE, TLE	566	-	566	921	-
37	VILLAGE OF MT. PLEASANT	FEE, TLE	1,511	-	1,511	1,446	100
38	RICHARD THOMAS DURGOM	TLE	-	-	-	397	-
39	ELIMINATED	-	-	-	-	-	-

FILE NAME:S/5166243/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

2919 CREUZIGER
2216 ORTIZ
2210 ISON
2204 TROSSEN
2200 OTWASKA
2112 JONSSON
2106 DESOTELL
2100 WAHL

KEARNEY AVE

BP: 140+50.00

TREE TRIMMING
SAVE TREES
TLE
SAVE TREE
TREE TRIMMING
SLOPE INTERCEPT
SAVE FENCE
RETAINING WALL REMOVED BY OTHERS
SAVE TREES
SAVE TREE

MADISON ST 11+0

DURAND AVE/STH 11

141+00 142+00 143+00 144+00 145+00 146+00

BP: 10+00.00

DURAND AVE R/L

R/W

7' 14' 11' 11' 14' 5' 5'

12" 12" 12" 15" 18" 72"

CONC ASPH SAN SS W WV G GV OH MH

BEGIN PROJECT
STA. 141+03
N = 175,068.14
E = 633,722.47

SAVE TREE

SLOPE INTERCEPT

REMOVE TREE (TYP)

CAUTION

CP5

CONCRETE PAVEMENT GAP

BENCHMARK TABLE

BM#	DESCRIPTION	ELEVATION	STA/OFF
CP5	34" BERNTSEN FENO MONUMENT W/ALUMINUM CAP	631.060	145+60.31, 51.64' RT

2221 NGUYEN

2205 OBRENSKI TRUST

KEARNEY AVE
STA 141+02.56
EL 630.39
STA 141+25.00
EL 630.50
VPC STA 142+80.00
VPC EL 631.13
HP STA 143+70.68
HP EL 631.31
VPI STA 144+30.00
VPI EL 631.730
MADISON ST
VPT STA 145+80.00
VPT EL 630.33

EXISTING PROFILE
FINISHED PROFILE

0.49%
0.40%

MATCH PROJECT ID 2260-07-70
FINISHED ELEV. = 630.41'

VCL = 300.00
K = 225.01

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

640 638 636 634 632 630 628 626 624

140 141 142 143 144 145 146

630.68 631.03 631.34 630.60 631.52 630.80 631.63 631.00 631.63 631.20 631.63 631.30 631.57 631.29 631.56 631.17 631.48 630.94 631.32 630.59 631.07 630.15

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: DURAND AVE	SHEET 195	E

2018 JOHNSON
2016 GENEVICH
2010 BABICKY
2004 ALI
1916 RITT
1906 DAVIS
1900 SOSA
1810 WIS CORP OF SEVENTH DAY ADVENT
WELLINGTON DR
N
SAVE TREE
TLE
SAVE FENCE AND LANDSCAPING
TREE TRIMMING
SLOPE INTERCEPT
SAVE FENCE
R/W
CONC
ASPH
PETROLEUM-CONTAMINATED SOIL 1' TO 8' BELOW GROUND SURFACE STA 151+25 TO STA 153+00 RT
CONCRETE PAV
DURAND AVE/STH 11
DURAND AVE R/L
146+00
147+00
EP; 20+00.00
148+00
149+00
150+00
151+00
152+00
12"
15"
18"
14'
11'
5'
72"
LANDSCAPING REMOVED BY OTHERS
2209 GEYER
COOLIDGE AVE
1919 SORENSON
1901 IVANS
FENCE REMOVED BY OTHERS
CONCRETE PAVEMENT GAP
PHILLIPS AVE
HIGHWAY EASEMENT
CAUTION
1819 SHAH
5

VCL = 300.00
K = 566.06
EXISTING PROFILE
FINISHED PROFILE
-0.93%
VPC STA 149+40.00
VPC EL 626.99
VPI STA 150+90.00
VPI EL 625.59
EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

146	147	148	149	150	151	152
631.07	630.71	630.25	629.80	629.24	628.63	628.08	627.56	627.07	626.63	626.31	626.05	625.80
630.15	629.68	629.22	628.75	628.29	627.82	627.36	626.89	626.46	626.07	625.72	625.42	625.16

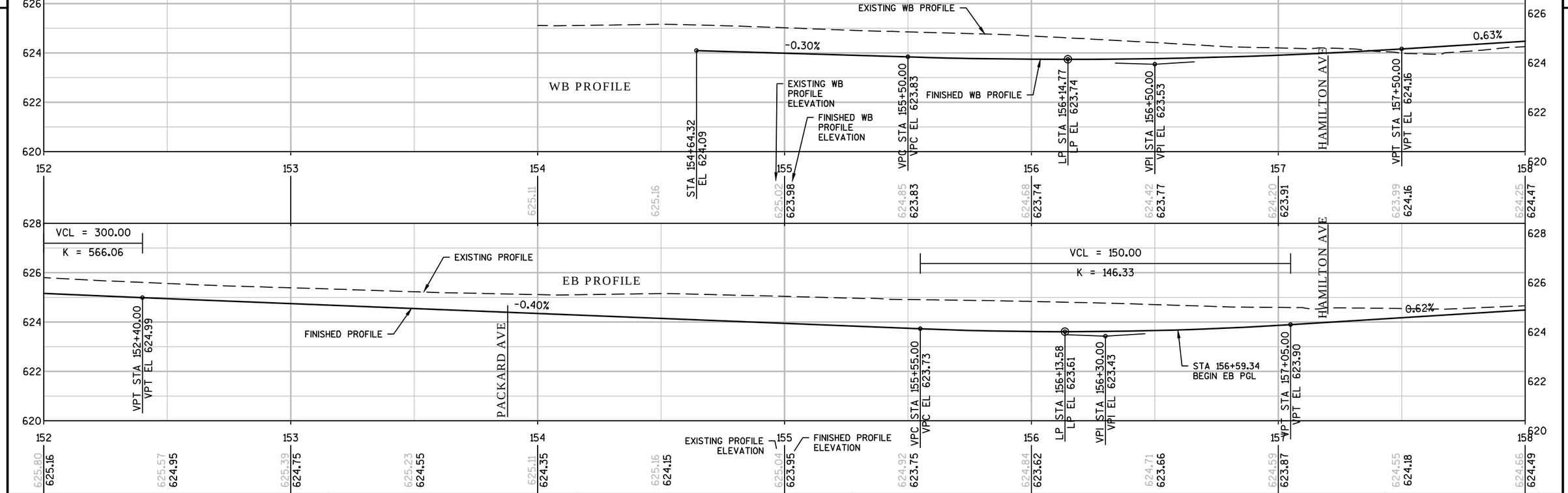
636 634 632 630 628 626 624 622 620

PROJECT NO: 2260-08-70 | HWY: STH 11 | COUNTY: RACINE | PLAN AND PROFILE: DURAND AVE | SHEET 196 | E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-PP - 02
PLOT DATE : 4/27/2021 11:28 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

BENCHMARK TABLE			
BM*	DESCRIPTION	ELEVATION	STA/OFF
CP3	BERNTSEN FENO MONUMENT W/ALUMINUM CAP	625.140	156+80.05, 283.90' LT
CP4	BERNTSEN FENO MONUMENT W/ALUMINUM CAP	625.540	153+16.04, 38.89' LT

1810 WIS CORP OF SEVENTH DAY ADVENT
TREE TRIMMING
CONCRETE PAVEMENT GAP
CP4
SLOPE INTERCEPT
TLE
PETROLEUM-CONTAMINATED SOIL 1' TO 8' BELOW GROUND SURFACE STA 154+25 TO STA 154+75 LT
1700 PATEL
SIGN AND LANDSCAPING REMOVED BY OTHERS
SAVE TREE
REMOVE DRIVEWAY
1616 PETROLEUM REALTY IV, LLC
HAMILTON AVE
DURAND AVE/STH 11
CONCRETE PAVEMENT GAP
152+00
153+00
EB: 50+00.00
154+00
155+00'WB'
155+00
STA 154+64.32 BEGIN WB PGL
WB PGL
156+00'WB'
156+00
157+00'WB'
158+00'WB'
STA 156+59.34 BEGIN EB PGL
EB PGL
DURAND AVE R/L
158+00
158+00'EB'
PETROLEUM-CONTAMINATED SOIL 1' TO 7' BELOW GROUND SURFACE STA 154+00 TO STA 155+00 RT
PETROLEUM-CONTAMINATED SOIL 1' TO 8' BELOW GROUND SURFACE STA 151+25 TO STA 153+00 RT
PETROLEUM-CONTAMINATED SOIL 6' BELOW GROUND SURFACE STA 153+00 TO STA 154+00 RT
1819 SHAH
1803 AAA AUTOBODY LLC
PACKARD AVE
ASPH
REMOVE DRIVEWAY
CAUTION
1727 RECYCLED AUTO PARKS LLC
REMOVE CONCRETE BASE
EXISTING FENCE TO REMAIN
SLOPE INTERCEPT
1707 GARCIA
CONCRETE PAVEMENT GAP
1623 MT. PLEASANT DURAND LLC
R/W
TLE
PC: 70+13.70
BP: 70+89.00 EB
EP: 70+89.00 EB
5



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: DURAND AVE	SHEET 197 E

1616 PETROLEUM REALTY IV, LLC

TLE

REMOVE DRIVEWAY

CONCRETE PAVEMENT GAP

WB PGL

158+00'WB'

159+00'WB'

160+00'WB'

161+00'WB'

162+00'WB'

163+00'WB'

DURAND AVE/STH 11

158+00

159+00

160+00

161+00

162+00

163+00

164+00

158+00'EB'

159+00'EB'

160+00'EB'

161+00'EB'

162+00'EB'

163+00'EB'

EB PGL

REMOVE DRIVEWAY

CONCRETE PAVEMENT GAP

WALL MODULAR BLOCK GRAVITY LANDSCAPE

1623 MT. PLEASANT DURAND LLC

S MEMORIAL DR

VILLAGE OF MT. PLEASANT

CAPITOL AVE

REMOVE CONCRETE SAWCUT REQ'D

2819 S. MEMORIAL DR. COEY

REMOVE CONCRETE SAWCUT REQ'D

PETROLEUM-CONTAMINATED SOIL 1' TO 6' BELOW GROUND SURFACE STA 160+50 TO STA 161+00 LT

2819 S. MEMORIAL DR. COEY

1500 RACINE DURAND LLC

1404 HOARSMA

BENCHMARK TABLE

BM*	DESCRIPTION	ELEVATION	STA/OFF
CP1	39" BERNTSEN FENO MONUMENT W/ALUMINUM CAP	621.210	162+03.69, 49.64' LT

SLOPE INTERCEPT

CP1

EXISTING RETAINING WALL R-51-32 TO REMAIN

CONCRETE PAVEMENT GAP

DURAND AVE WB R/L

END MEDIAN REPLACEMENT STA 163+75

ASPH

DURAND AVE R/L

EB PGL

CONCRETE PAVEMENT GAP

ASPH

1537 DURGOM

1525 FLOYD & SONS INC.

CAUTION EXISTING RETAINING WALL

REMOVING LANDSCAPING STONE STA 160+48 TO STA 161+62 RT

SLOPE INTERCEPT

R-51-33 TO REMAIN

END PROJECT STA. 162+70.00

N

5

5

S MEMORIAL DR

-1.62%

-4.16%

EXISTING EB PROFILE

FINISHED EB PROFILE

EB PROFILE

VPC STA 158+10.00
VPC EL 624.55

HP STA 158+65.64
HP EL 624.73

VPI STA 159+10.00
VPI EL 625.178

VPT STA 160+10.00
VPT EL 623.56

VPC STA 160+80.00
VPC EL 622.42

VPI STA 161+50.00
VPI EL 621.287

VPT STA 162+20.00
VPT EL 618.38

STA 162+70.00
EL 616.30

VCL = 200.00
K = 89.06

VCL = 140.00
K = 55.15

EXISTING EB PROFILE ELEVATION

FINISHED EB PROFILE ELEVATION

158	159	160	161	162	163	164				
624.66 624.49	624.72 624.71	624.67 624.66	624.22 624.33	623.76 623.71	623.07 622.91	622.14 622.06	620.80 620.84	619.07 619.17	616.99 617.13	615.16	612.81	610.79

628 626 624 622 620 618 616 614 612

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: DURAND AVE - EASTBOUND	SHEET 198	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-PP - 04

PLOT DATE : 4/27/2021 11:28 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

1616 PETROLEUM REALTY IV, LLC
TLE
REMOVE DRIVEWAY
CONCRETE PAVEMENT GAP
WB PGL
EB PGL
REMOVE DRIVEWAY
1623 MT. PLEASANT DURAND LLC
ASPH
S MEMORIAL DR
REMOVE CONCRETE SAWCUT REQ'D
2819 S. MEMORIAL DR. COEY
REMOVE CONCRETE SAWCUT REQ'D
PETROLEUM-CONTAMINATED SOIL 1' TO 6' BELOW GROUND SURFACE STA 160+50 TO STA 161+00 LT
2819 S. MEMORIAL DR. COEY
1500 RACINE DURAND LLC
1404 HOARSMA
SLOPE INTERCEPT
CP1
EXISTING RETAINING WALL R-51-32 TO REMAIN
CONCRETE PAVEMENT GAP
DURAND AVE WB R/L
WB PGL
DURAND AVE/STH 11
DURAND AVE R/L
EB PGL
CONCRETE PAVEMENT GAP
CONCRETE PAVEMENT GAP
ASPH
ASPH
1537 DURGOM
1525 FLOYD & SONS INC.
CAUTION
EXISTING RETAINING WALL R-51-33 TO REMAIN
REMOVING LANDSCAPING STONE STA 160+48 TO STA 161+62 RT
SLOPE INTERCEPT
VILLAGE OF MT. PLEASANT
CAPITOL AVE
END RECONSTRUCTION
STA. 162+78.00'WB'
158+00'WB' 159+00'WB' 160+00'WB' 161+00'WB' 162+00'WB' 163+00'WB'
158+00 159+00 160+00 161+00 162+00 163+00 164+00
158+00'EB' 159+00'EB' 160+00'EB' 161+00'EB' 162+00'EB' 163+00'EB'
5
5

WB PROFILE

S MEMORIAL DR

FINISHED WB PROFILE
EXISTING WB PROFILE
-0.84%
-1.84%
-4.32%

VPC STA 158+20.00
VPC EL 624.60
HP STA 158+66.91
HP EL 624.75
VPI STA 158+75.00
VPI EL 624.943
VPT STA 159+30.00
VPT EL 624.48
VPC STA 159+35.00
VPC EL 624.44
VPI STA 159+90.00
VPI EL 623.975
VPT STA 160+45.00
VPT EL 622.96
VPC STA 160+91.79
VPC EL 622.11
VPI STA 161+61.79
VPI EL 620.820
VPT STA 162+31.79
VPT EL 617.79
STA 162+78.00
EL 615.80

VCL = 110.00
K = 74.90
VCL = 110.00
K = 110.67
VCL = 140.00
K = 56.32

EXISTING WB PROFILE ELEVATION
FINISHED WB PROFILE ELEVATION

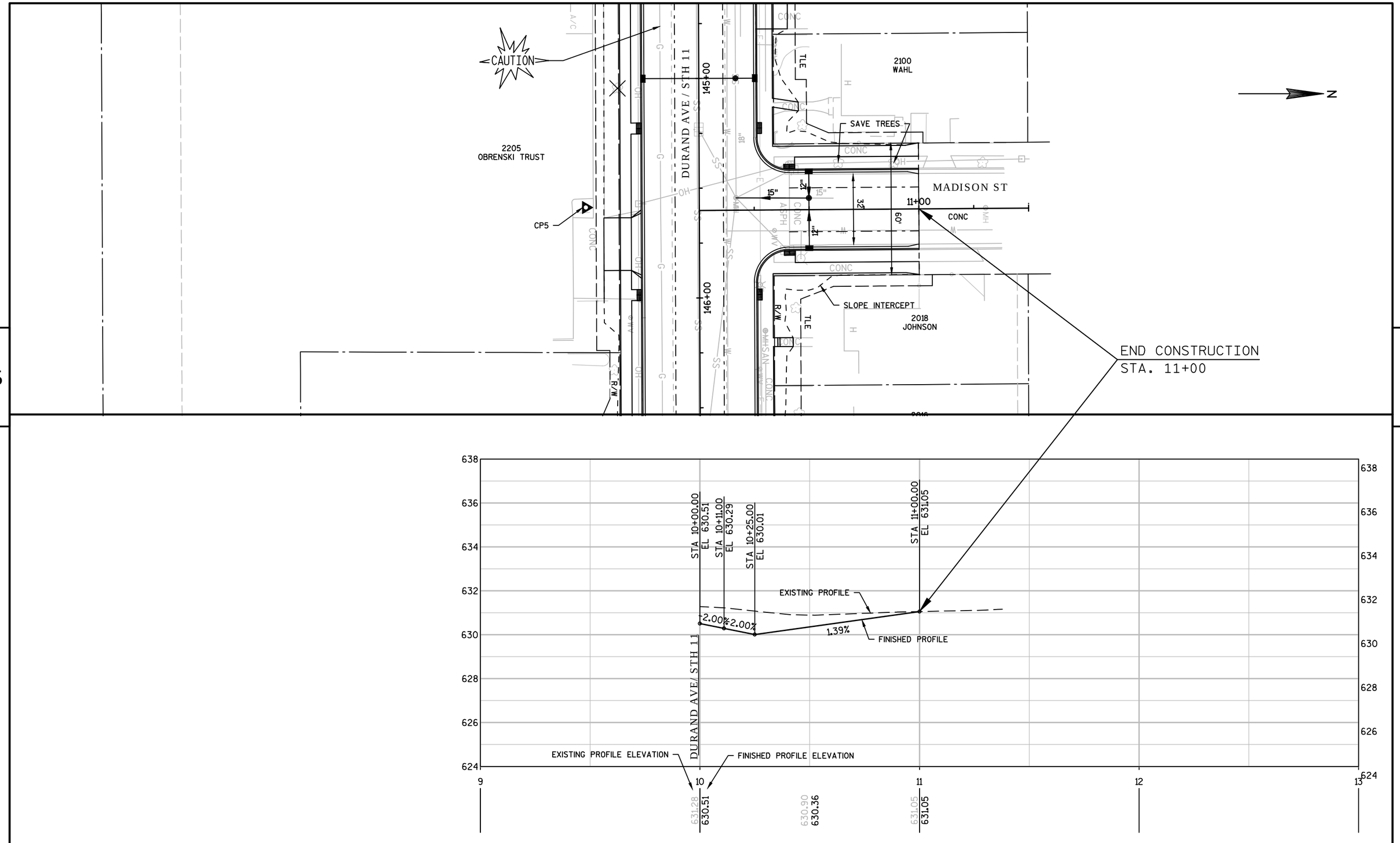
630 628 626 624 622 620 618 616 614

158 159 160 161 162 163 164

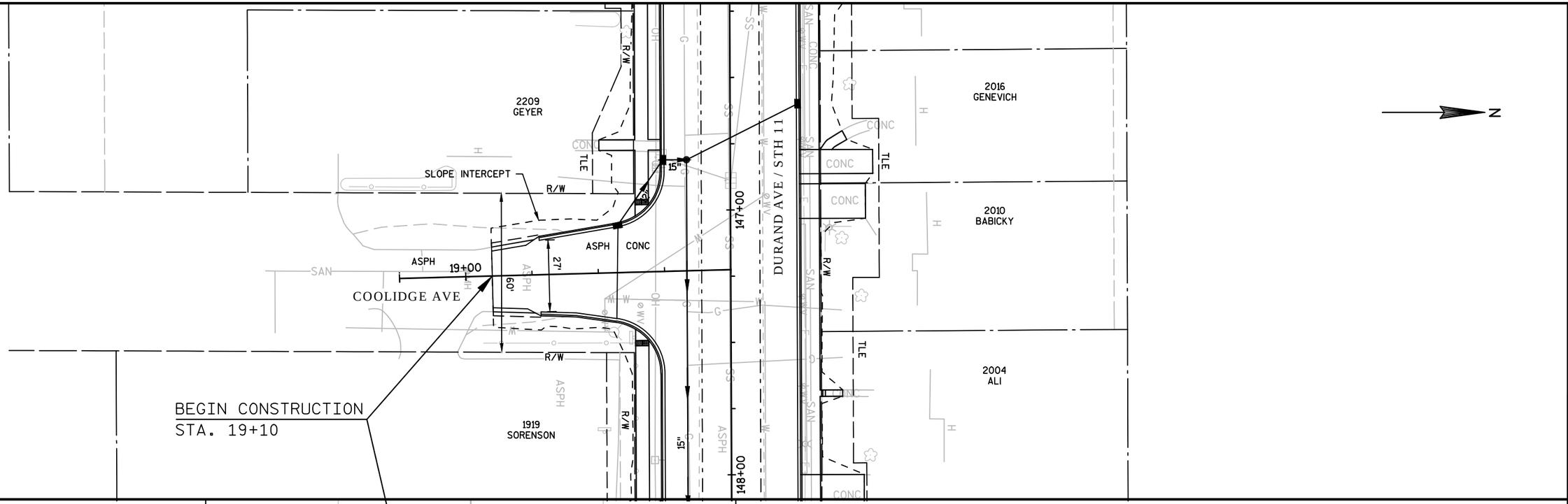
624.25 624.47 | 624.41 624.73 | 624.39 624.67 | 624.08 624.30 | 623.58 623.70 | 622.85 622.87 | 622.00 621.95 | 620.69 620.74 | 619.00 619.08 | 616.95 617.01 | 614.81 | 612.44 | 610.42

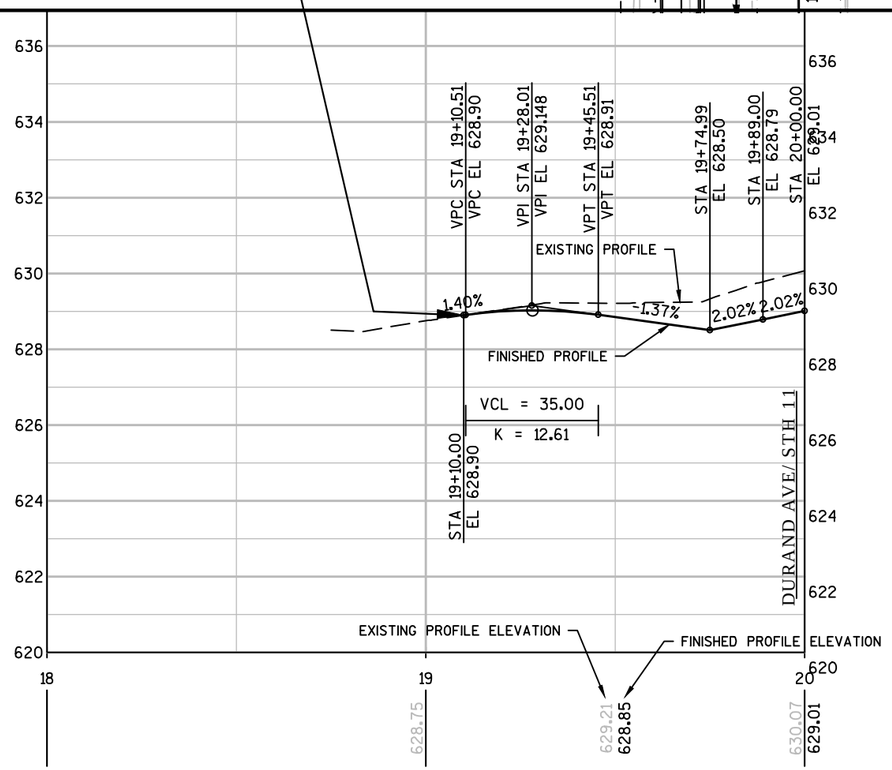
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: DURAND AVE - WESTBOUND	SHEET 199	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\050101-PP.DWG
LAYOUT NAME - 050101-PP - 04 (WB PGL)
PLOT DATE : 4/27/2021 11:29 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: MADISON ST	SHEET 200	E





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: COOLIDGE AVE	SHEET 201	E

BENCHMARK TABLE

BM#	DESCRIPTION	ELEVATION	STA/OFF
CP4	BERNTSEN FENO MONUMENT W/ALUMINUM CAP	625.540	153+161.04, 38.89' LT

1803
AAA AUTOBODY
LLC

1810
WIS CORP OF
SEVENTH DAY
ADVENT

1727
RECYCLED AUTO
PARKS LLC

1700
PATEL

PACKARD AVE

DURAND AVE / STH 11

CP4

SLOPE INTERCEPT

REMOVE
DRIVEWAY

SLOPE
INTERCEPT

R/W

TLE

ASPH

CONC

49+00

153+00

154+00

60'

32'

12"

18"

24"

N

BEGIN CONSTRUCTION
STA. 49+05

STA 49+05.00
EL 624.05

HP STA 49+19.67
HP EL 624.10

VPT STA 49+40.00
VPT EL 624.00

STA 49+75.00
EL 623.65

STA 49+89.00
EL 624.07

STA 50+00.00
EL 624.40

EXISTING PROFILE

0.48%

-1.00%

3.00%

3.00%

FINISHED PROFILE

VPC STA 49+10.00
VPC EL 624.08

VPI STA 49+25.00
VPI EL 624.149

VCL = 30.00

K = 20.33

EXISTING PROFILE
ELEVATION

FINISHED PROFILE
ELEVATION

624.00

624.42

623.90

625.14

624.40

630
628
626
624
622
620
618
616
614

46
47
48
49
50
51
52

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: PACKARD AVE	SHEET 202	E

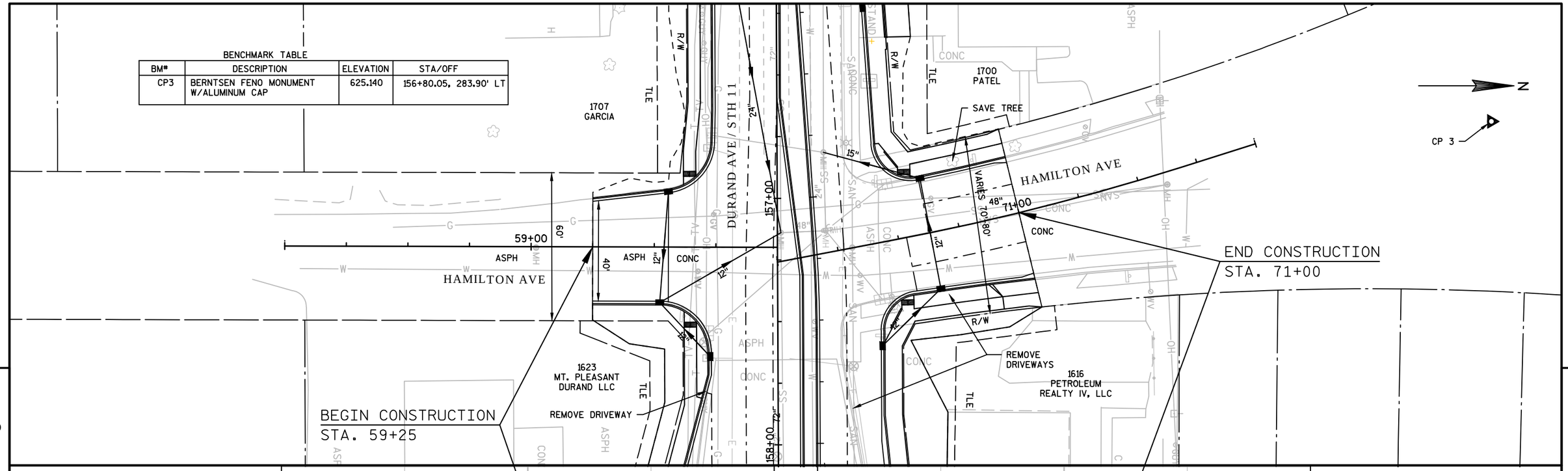
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\050103-PP-SIDEROADS.DWG
LAYOUT NAME - 050103-PP-SIDEROADS - PACKARD

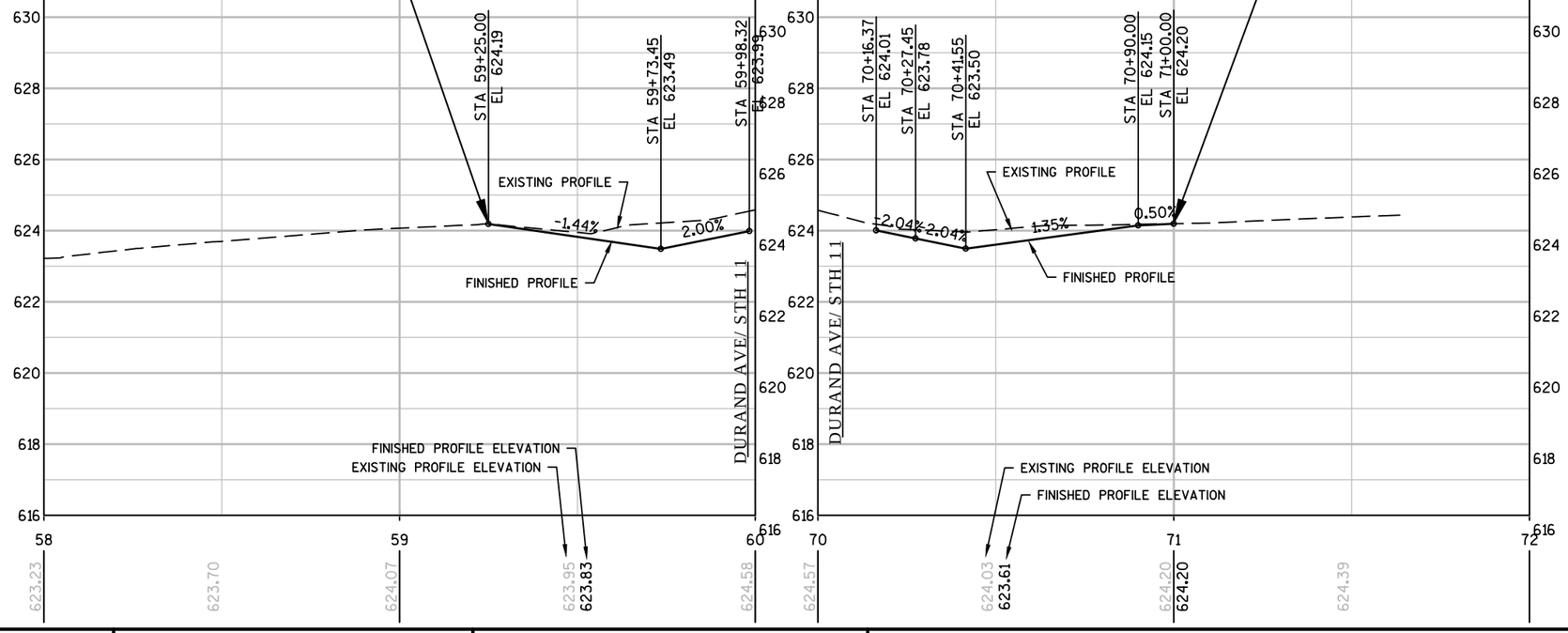
PLOT DATE : 4/27/2021 11:30 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCHMARK TABLE

BM#	DESCRIPTION	ELEVATION	STA/OFF
CP3	BERNTSEN FENO MONUMENT W/ALUMINUM CAP	625.140	156+80.05, 283.90' LT





PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: HAMILTON AVE	SHEET 203	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\050103-PP-SIDEROADS.DWG
LAYOUT NAME - 050103-PP-SIDEROADS - HAMILTON

PLOT DATE : 4/27/2021 11:30 PM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

BENCHMARK TABLE			
BM#	DESCRIPTION	ELEVATION	STA/OFF
CP2	39" BERNTSEN FENO MONUMENT W/ALUMINUM CAP	624.130	75+85.72, 34.77' RT

3025 HAMILTON GARCIA

3025 HAMILTON DIXON

1623 MT. PLEASANT DURAND LLC

1616 PETROLEUM REALTY IV, LLC

2909 HAMILTON GREELEY

3037 CAPITOL S&D REALTY

2819 S. MEMORIAL DR. COEY

VILLAGE OF MT. PLEASANT

DURAND AVE/STH 11

GLENDALE AVE

S MEMORIAL DR

TREE TRIMMING
SAVE TREE

SLOPE INTERCEPT

MEMORIAL DR R/L

SOLID WASTE CONTAMINATED SOIL
4' TO 6' BELOW GROUND SURFACE
STA 78+35 TO STA 79+05 LT & RT

CAUTION

REMOVE DRIVEWAY

REMOVE ASPHALT TO R/W LINE SAWCUT REQ'D

BEGIN CONSTRUCTION
STA. 76+98.00

END CONSTRUCTION
STA. 81+75.00

VCL = 120.00
K = 79.97

VCL = 110.00
K = 51.23

VCL = 120.00
K = 104.30

EXISTING PROFILE

FINISHED PROFILE

GLENDALE AVE
STA 76+98.00
EL 623.81

VPC STA 77+15.00
VPC EL 623.92

VPI STA 77+75.00
VPI EL 624.306

HP STA 77+82.85
HP EL 624.14

VPT STA 78+35.00
VPT EL 624.01

LP STA 78+79.98
LP EL 623.88

VPC STA 78+40.00
VPC EL 623.98

VPI STA 79+00.00
VPI EL 623.68

STA 79+71.94
EL 624.40

VPT STA 79+60.00
VPT EL 624.28

STA 79+97.09
EL 624.65

STA 80+06.82
EL 624.75

DURAND AVE/STH 11

STA 80+16.16
EL 624.66

STA 80+41.37
EL 624.41

VPC STA 80+45.00
VPC EL 624.38

LP STA 80+95.77
LP EL 624.12

VPI STA 81+00.00
VPI EL 623.83

STA 81+75.00
EL 624.70

VPT STA 81+55.00
VPT EL 624.47

0.65% -0.50% 1.00% 1.00% 1.00% 0.95% -0.99% -0.99% 1.16%

EXISTING PROFILE ELEVATION

FINISHED PROFILE ELEVATION

	76	77	78	79	80	81	82
EXISTING PROFILE ELEVATION	623.61	623.81	624.03	624.56	624.67	624.36	624.56
FINISHED PROFILE ELEVATION		623.82	624.08	623.94	624.68	624.13	624.41
			624.34	624.51	624.29	624.32	624.83
			624.12	623.91	624.19	624.33	

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: S MEMORIAL DR	SHEET 204	E

Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08A09-02	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-22A	CONCRETE CURB & GUTTER
08D01-22B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
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
09C15-01	CONCRETE BASE TYPE 10 SPECIAL
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E08-09G	TYPE 10 SPECIAL POLE 40' MONOTUBE ARM
09E08-09H	TYPE 10 SPECIAL POLE 45' MONOTUBE ARM
09E08-09K	GENERAL NOTES,HARDWARE DETAILS FOR TYPE 9/10,9/10 SPECIAL,12 & 13 POLES W/MONOTUBE ARMS
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C19-03	HMA LONGITUDINAL JOINTS
14A02-01	TREE PLANTING DETAIL
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-15C	PAVEMENT MARKING ARROWS
15C08-20A	LONGITUDINAL MARKING (MAINLINE)
15C08-20C	PAVEMENT MARKING (TURN LANES)
15C11-08A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C11-08B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-05A	PAVEMENT MARKINGS, MEDIAN ISLANDS
15C18-05B	PAVEMENT MARKINGS, MEDIAN ISLAND NOSE
15C18-05C	PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D06-04	TRAFFIC CONTROL, TWO LANE TWO WAY OPERATION
15D20-05A	TRAFFIC CONTROL, SINGLE LANE CLOSURE, NON-FREEWAY/EXPRESSWAY
15D20-05B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D20-05C	TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D21-07A	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D21-07B	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D30-06A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-06B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-06C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-02A	TRAFFIC CONTROL, FULL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER
15D40-02C	TRAFFIC CONTROL, PARTIAL LANE SHIFT NON-FREEWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

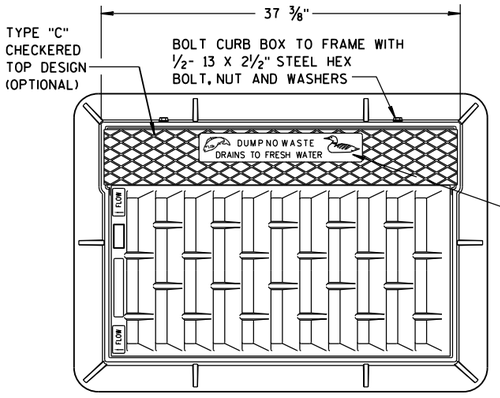
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Standard Detail Drawing List

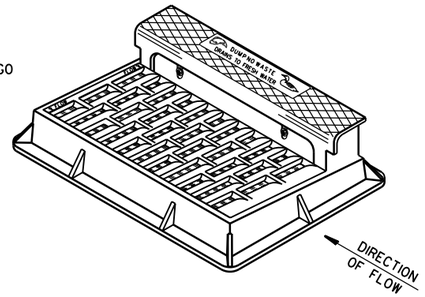
15D46-01 TRAFFIC CONTROL, ONE - WAY SIGNING

6

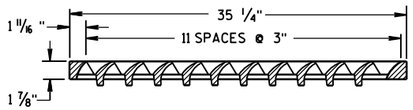
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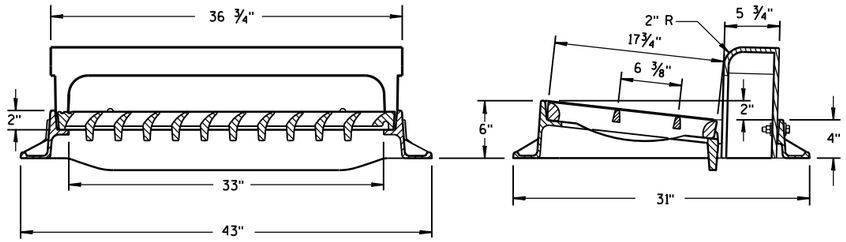


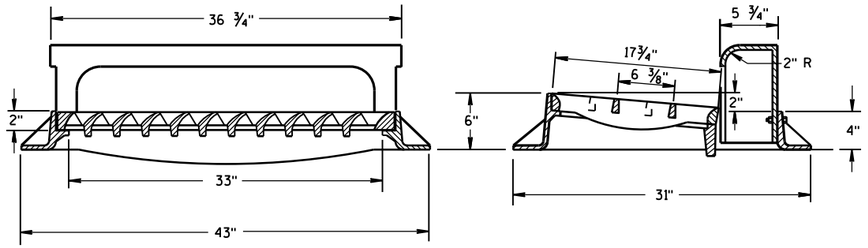
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

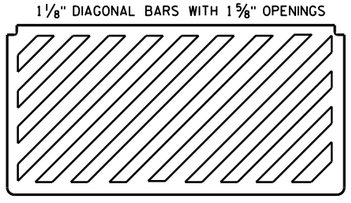






TYPE "H"

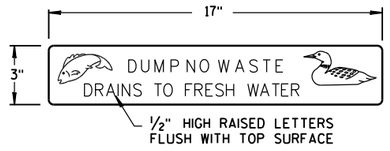
NOTE: EITHER CASTING IS ACCEPTABLE



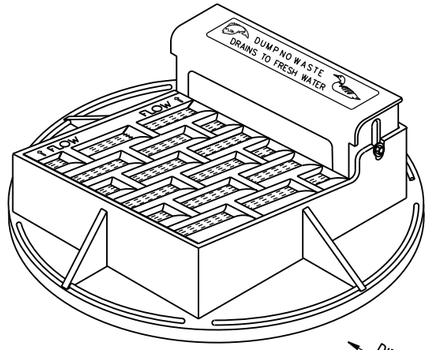
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

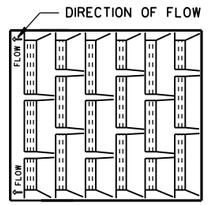
NOTE:
GRATE IS REVERSIBLE.

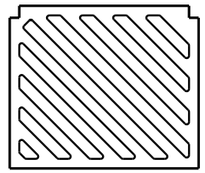
GENERAL NOTES

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

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

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

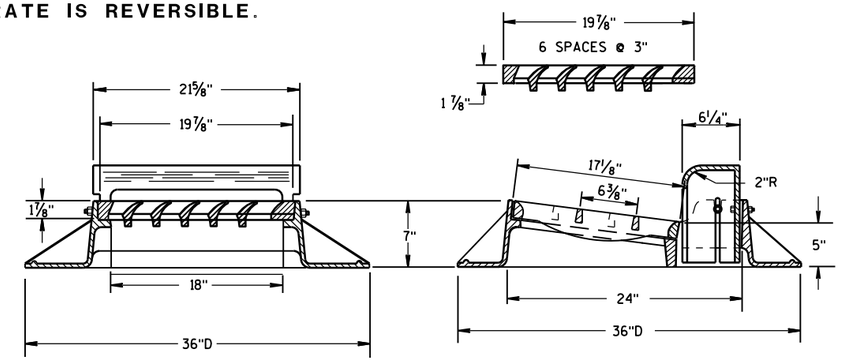




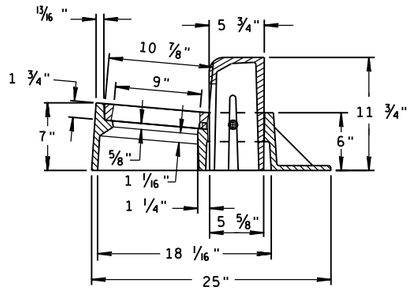
SPECIAL GRATE FOR TYPE "A" COVER

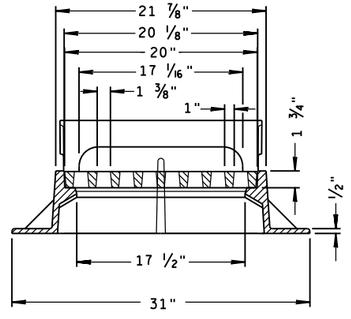
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

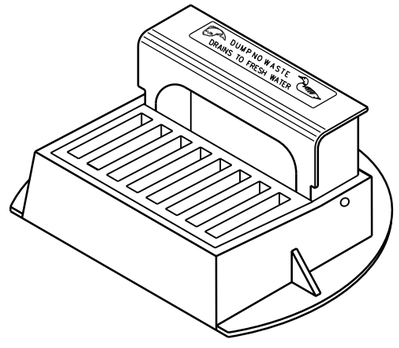


TYPE "A"





TYPE "Z"



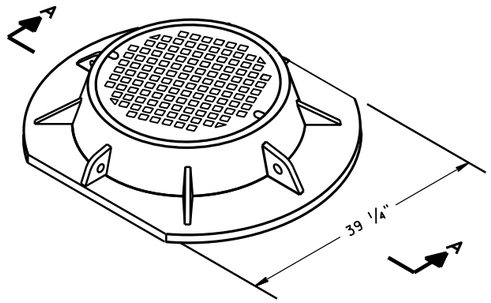
INLET COVERS
TYPE A, H, A-S, H-S & Z

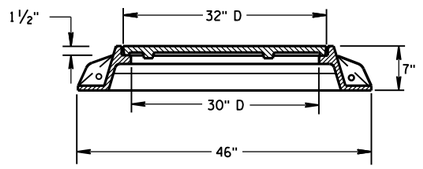
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

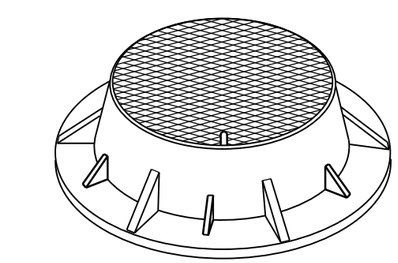
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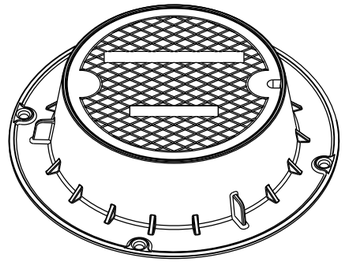
S.D.D. 8 A 5-19a

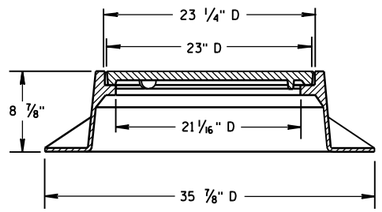


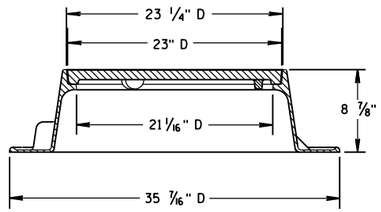


SECTION A-A
TYPE "K"









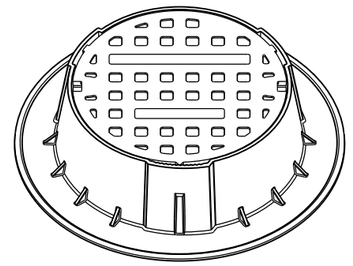
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

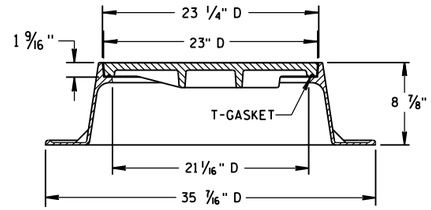
GENERAL NOTES

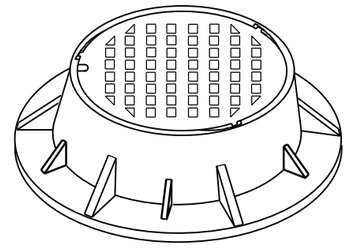
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

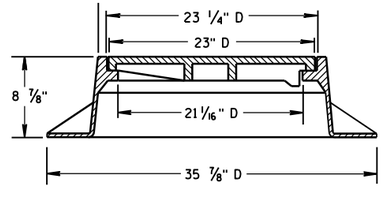
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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

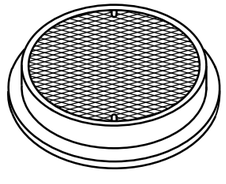


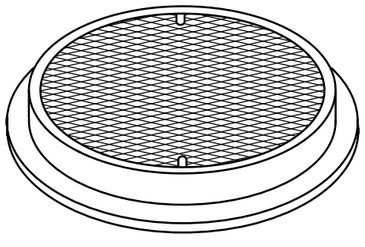


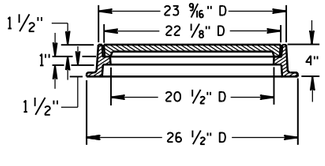




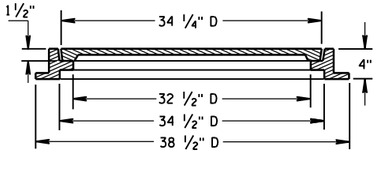
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



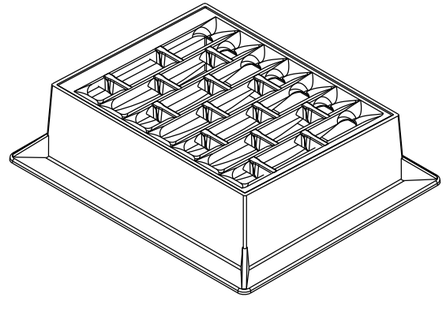


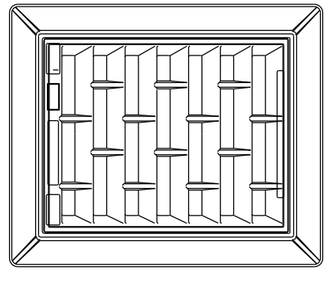


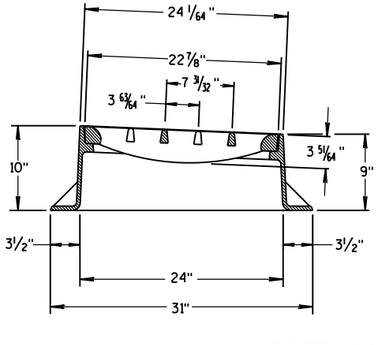
TYPE "L"

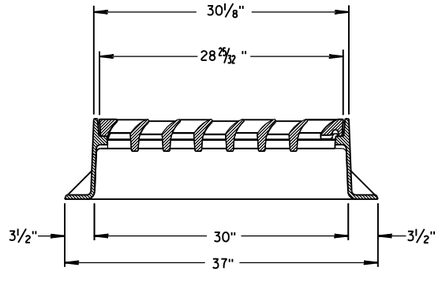


TYPE "M"









INLET COVER TYPE "BW"

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

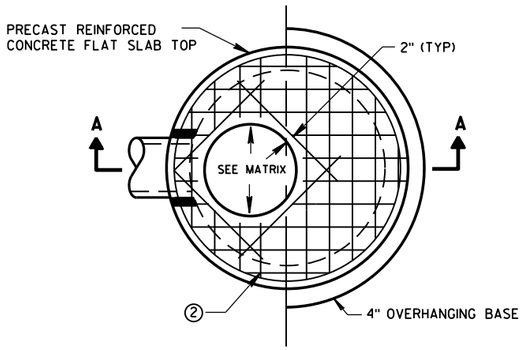
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

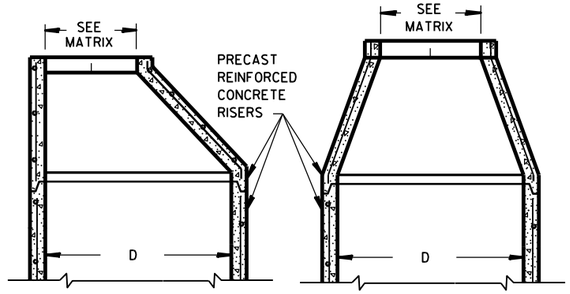
S.D.D. 8 A 5-19d

6

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

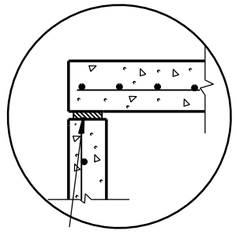


PLAN VIEW CIRCULAR OPENING

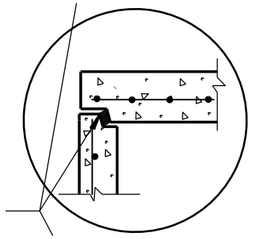


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

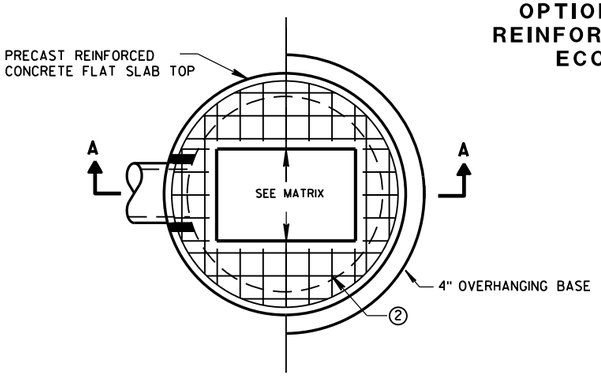
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



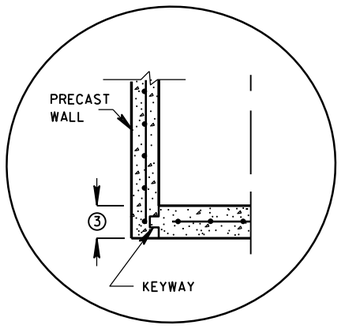
TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

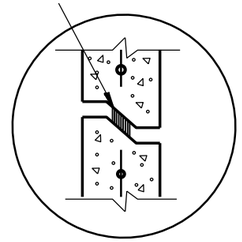


PLAN VIEW RECTANGULAR OPENING



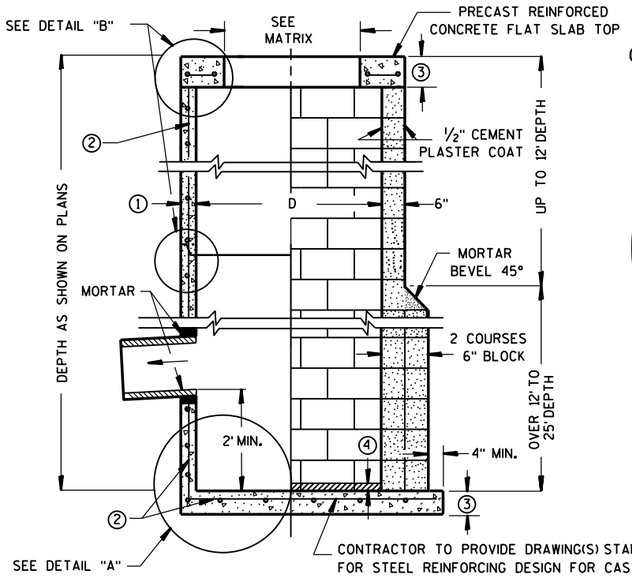
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

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



RISER WITH TONGUE AND GROOVE JOINT

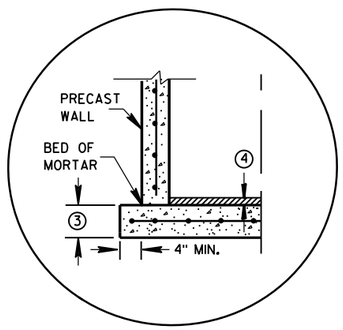
DETAIL "B"



SECTION A-A

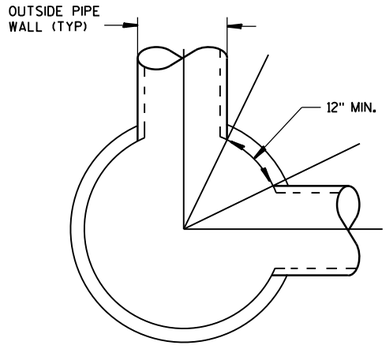
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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

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

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

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

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

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

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

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

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

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

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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

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

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

CATCH BASIN COVER OPENING MATRIX

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

PIPE MATRIX

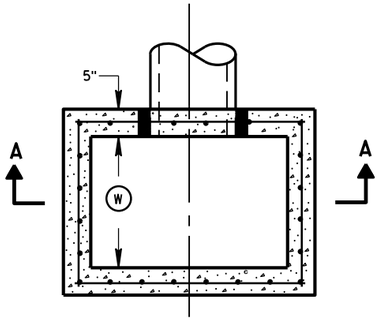
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

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

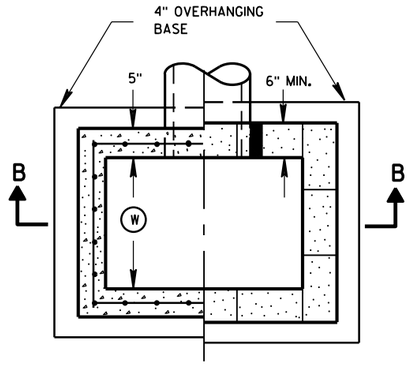
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

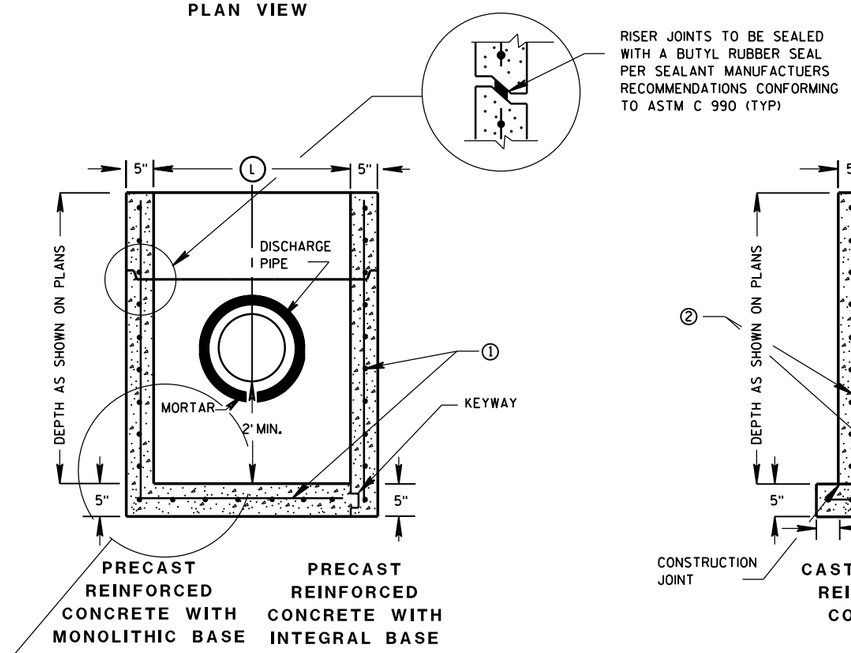
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6



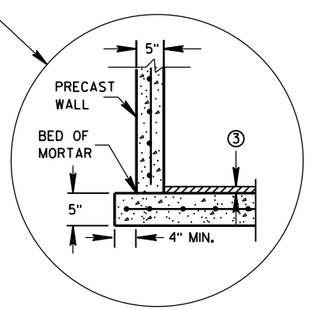
PLAN VIEW



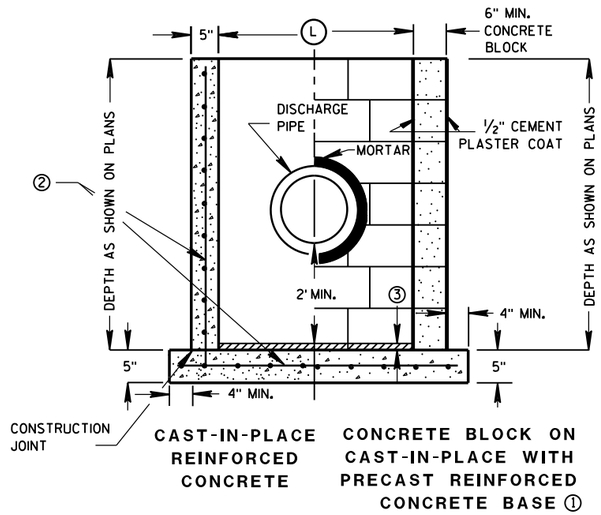
PLAN VIEW



SECTION A-A



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

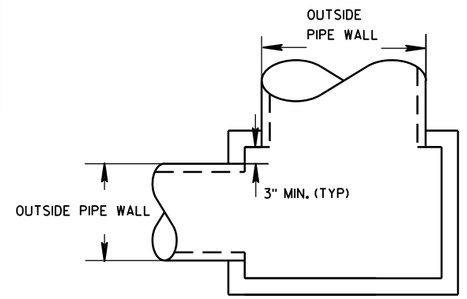
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

CATCH BASINS 2X3-FT AND 2.5X3-FT

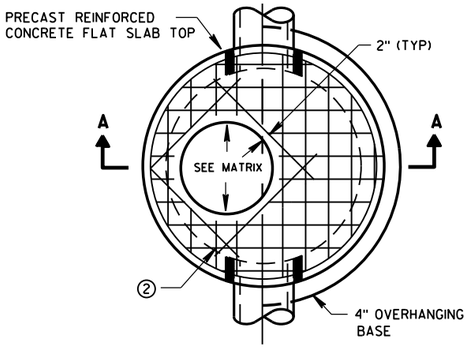
CATCH BASINS 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

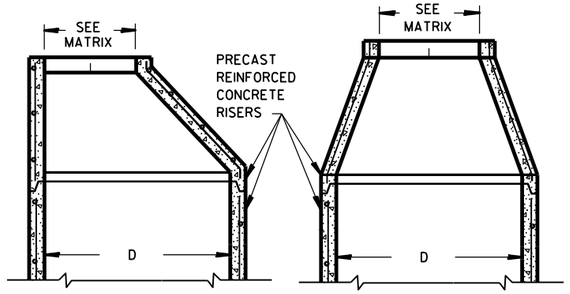
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS UNIT SUPERVISOR
FHWA

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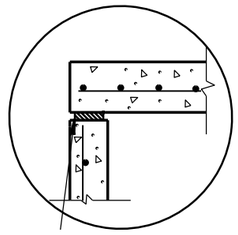


PLAN VIEW CIRCULAR OPENING

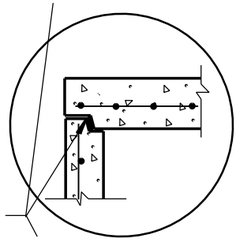


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

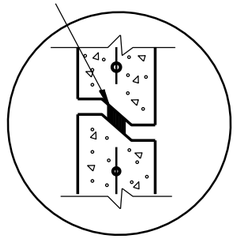


TOP WITH PLAIN END JOINT



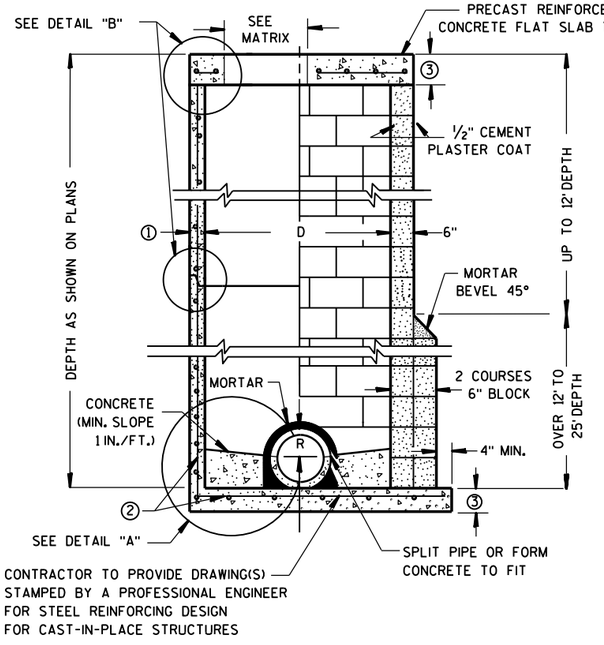
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



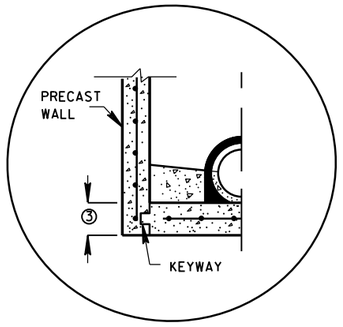
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

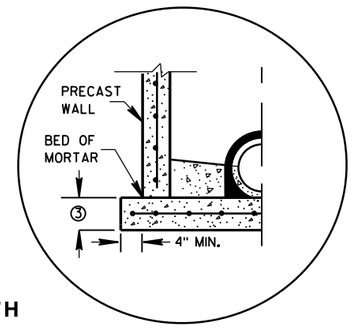


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

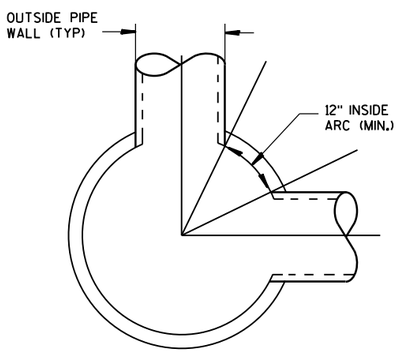


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

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

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

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ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

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

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

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

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

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

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FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

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

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

STATE OF WISCONSIN
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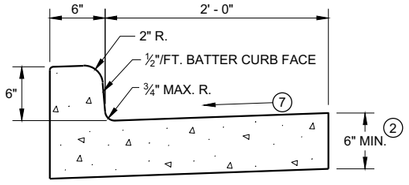
APPROVED

Sept., 2016
DATE

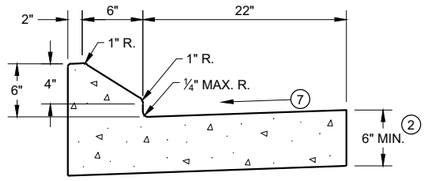
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

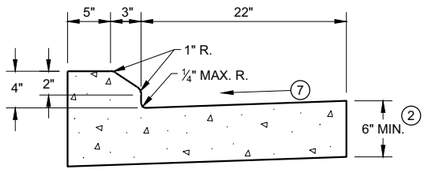
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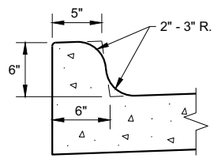
TYPES A (1) & D



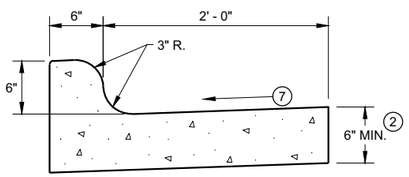
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

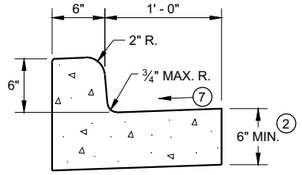


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



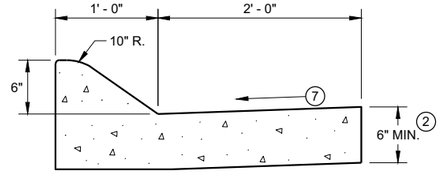
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"



TYPES A (1) & D

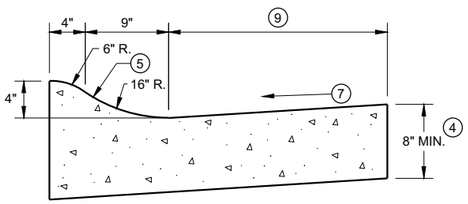
CONCRETE CURB AND GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

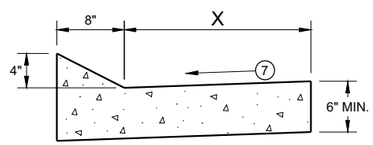
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

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

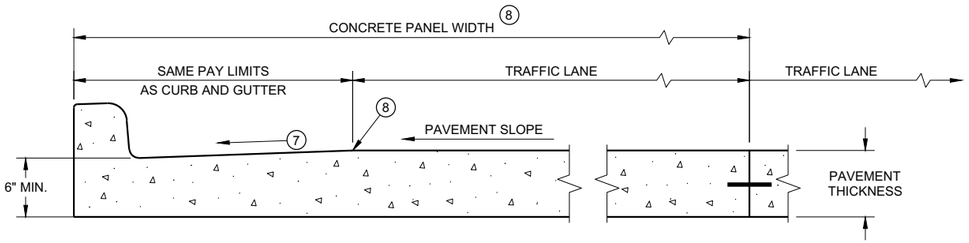


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

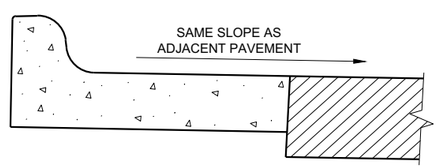
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

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



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



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

GENERAL NOTES

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

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

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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

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

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

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

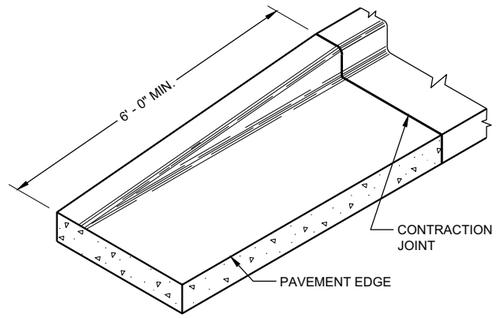
(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

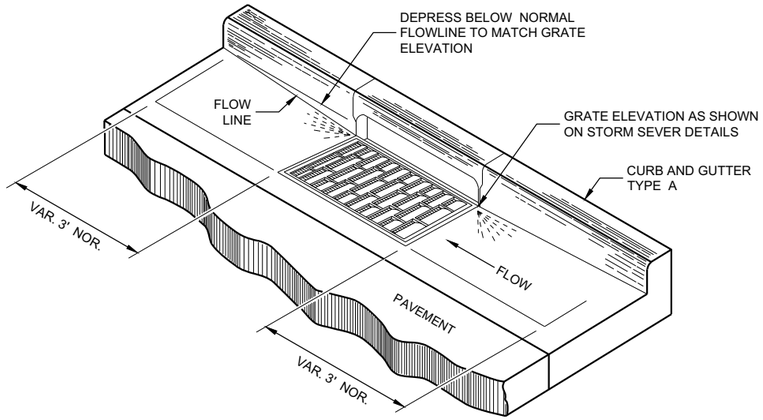
STATE OF WISCONSIN
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SDD 08D01 - 22a



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.

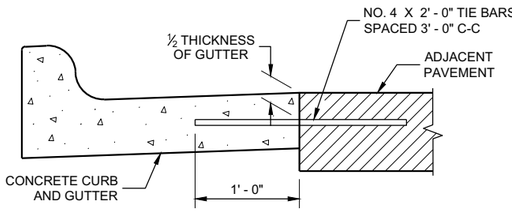
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

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

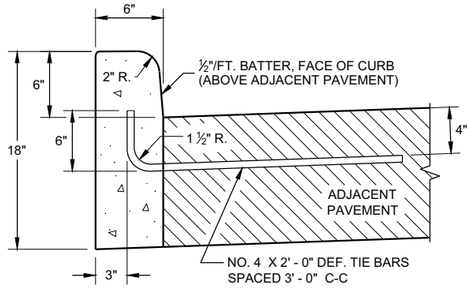
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(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.

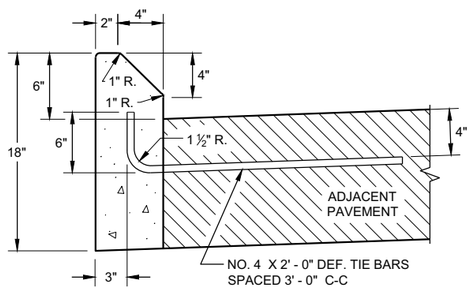
(9) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.



TYPICAL TIE BAR LOCATION (1)

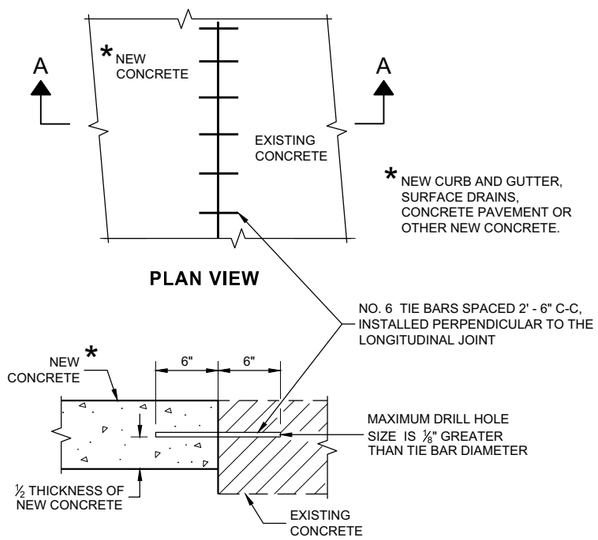


TYPES A (1) & D



TYPES G (1) & J

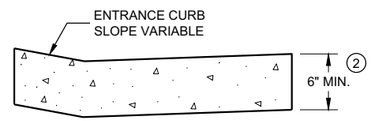
CONCRETE CURB



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

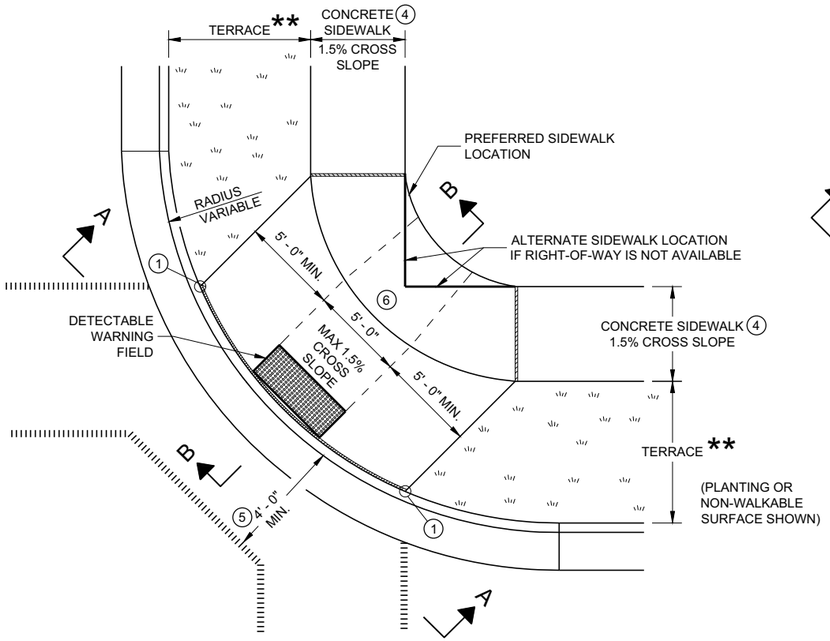
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

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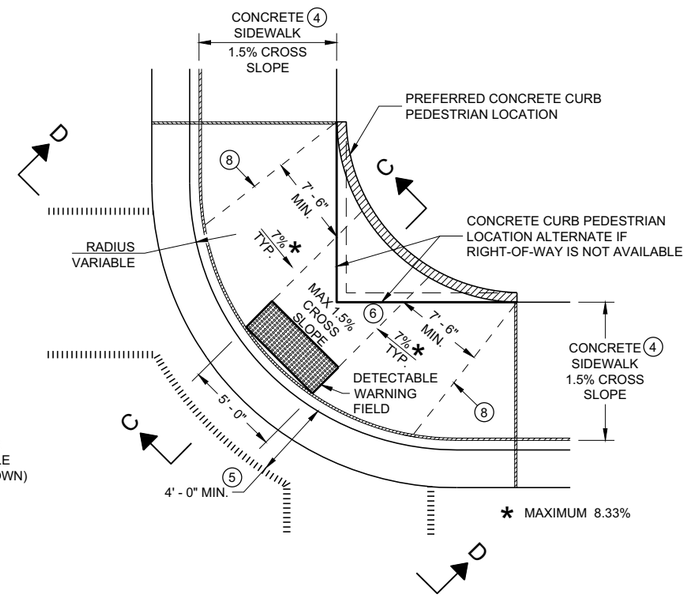
SDD08D01 - 22b



PLAN VIEW

CURB RAMP TYPE 1

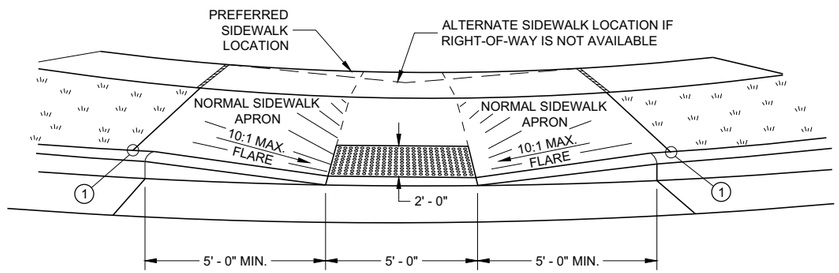
(CENTER OF CORNER RADIUS)



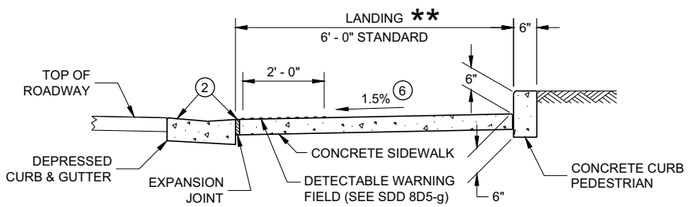
PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

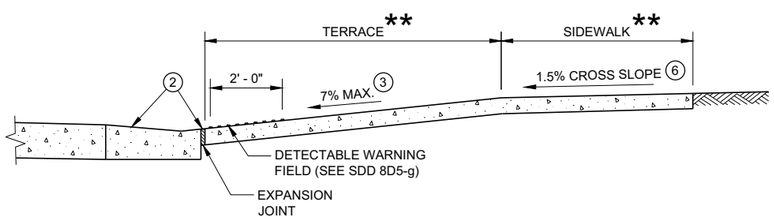


VIEW A - A FOR TYPE 1

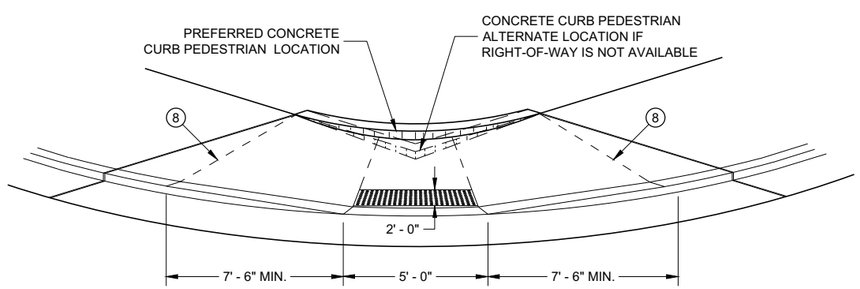


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

LEGEND

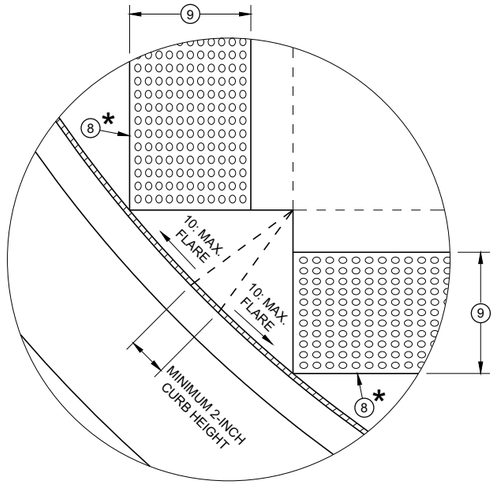
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

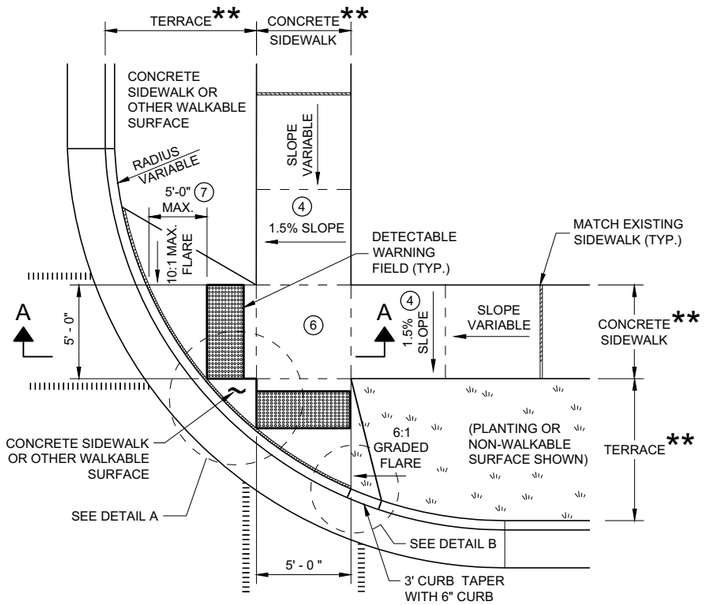
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

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

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

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

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

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

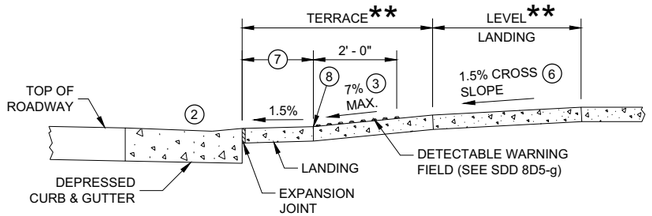
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

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

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

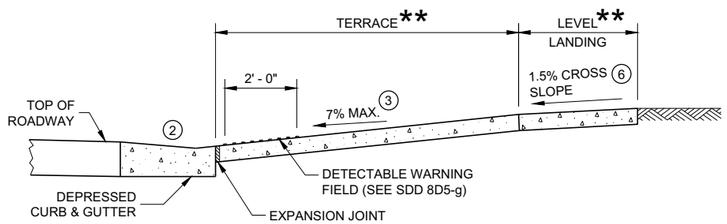
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

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

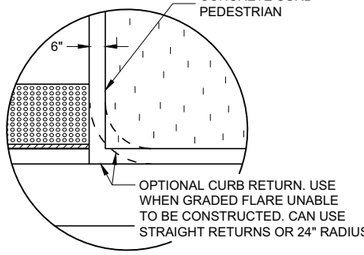
** WIDTH SHOWN ELSEWHERE IN THE PLANS



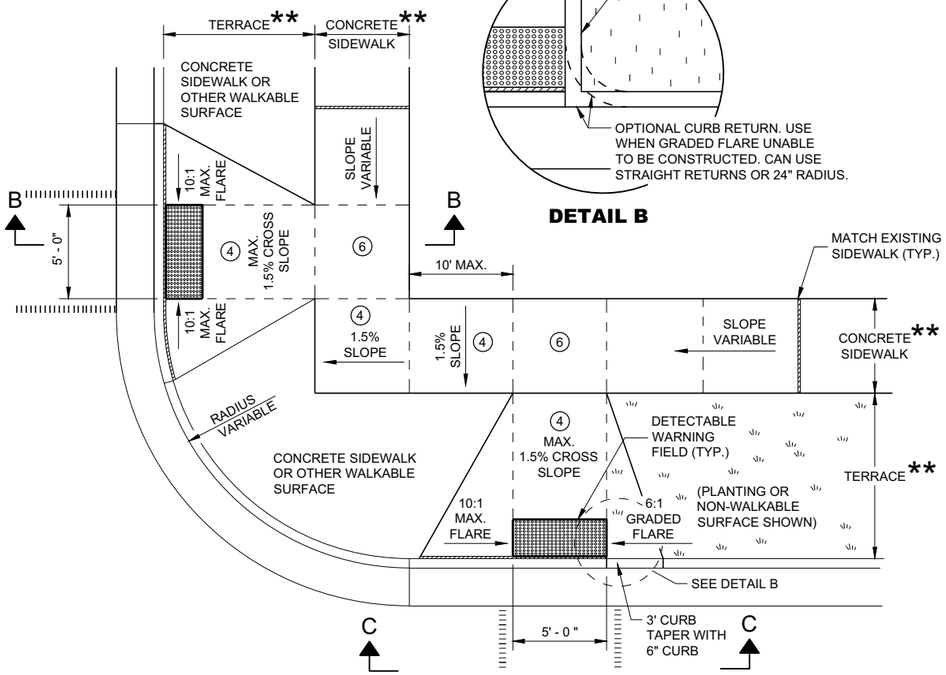
SECTION B - B FOR TYPE 3

LEGEND

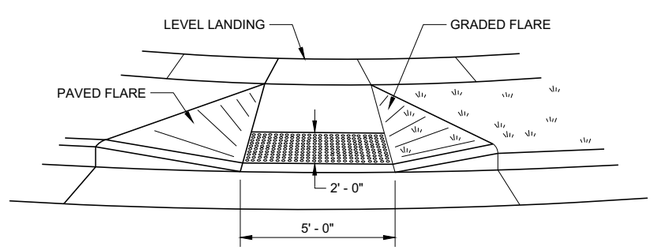
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



DETAIL B



PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

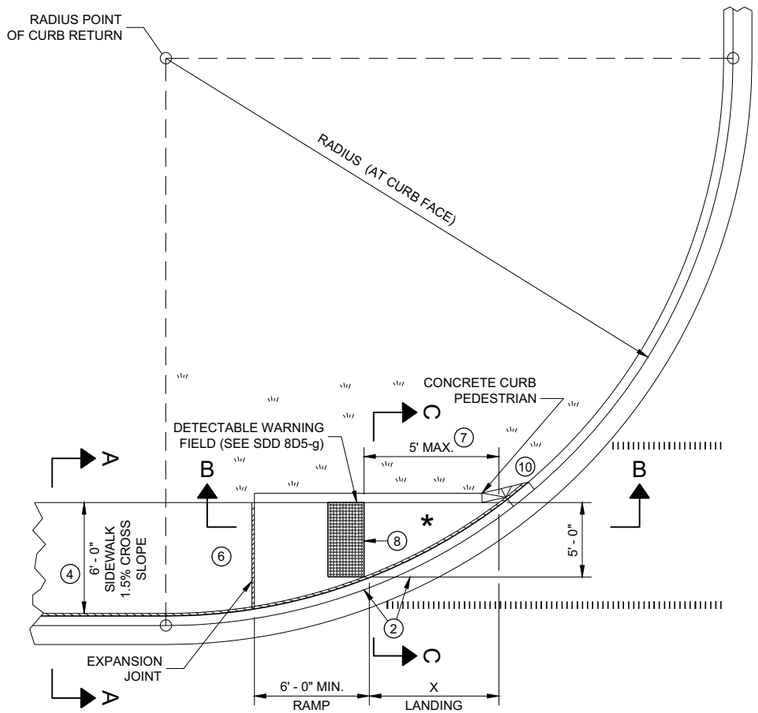
STATE OF WISCONSIN
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SDD 08D05 - 20b

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SDD 08D05 - 20b

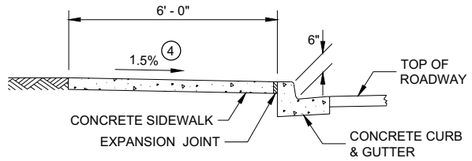


PLAN VIEW

CURB RAMP TYPE 4A

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

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

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

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

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

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

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

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

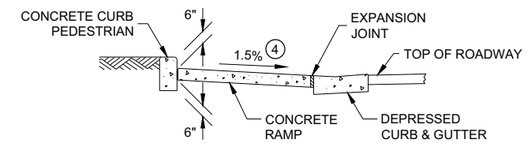
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

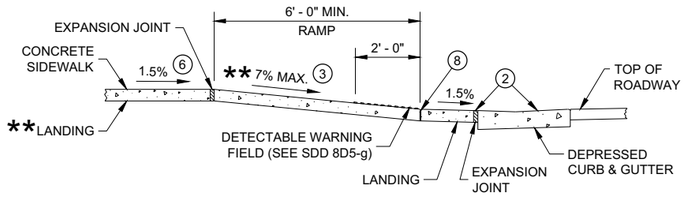
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



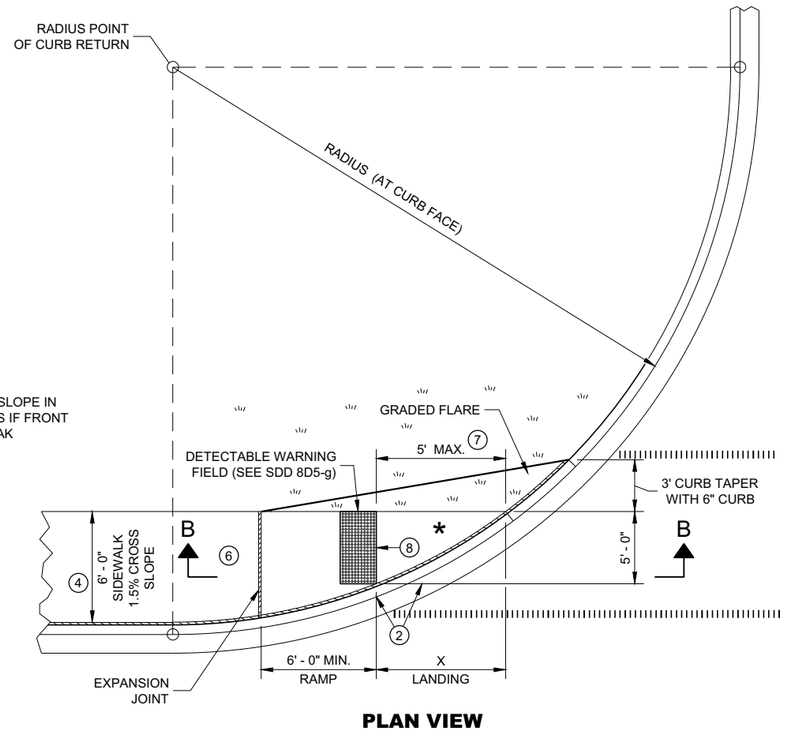
SECTION C - C FOR TYPE 4A



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

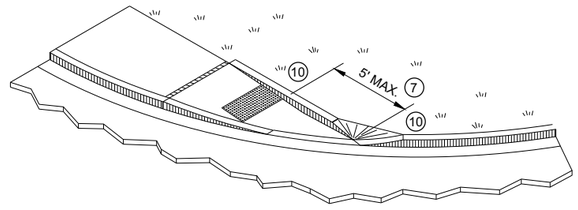
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

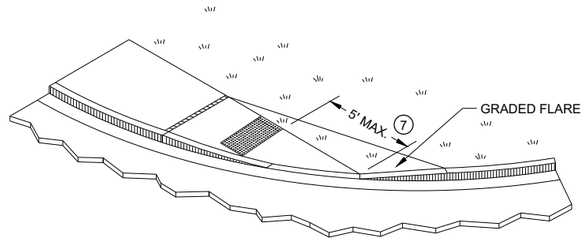


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



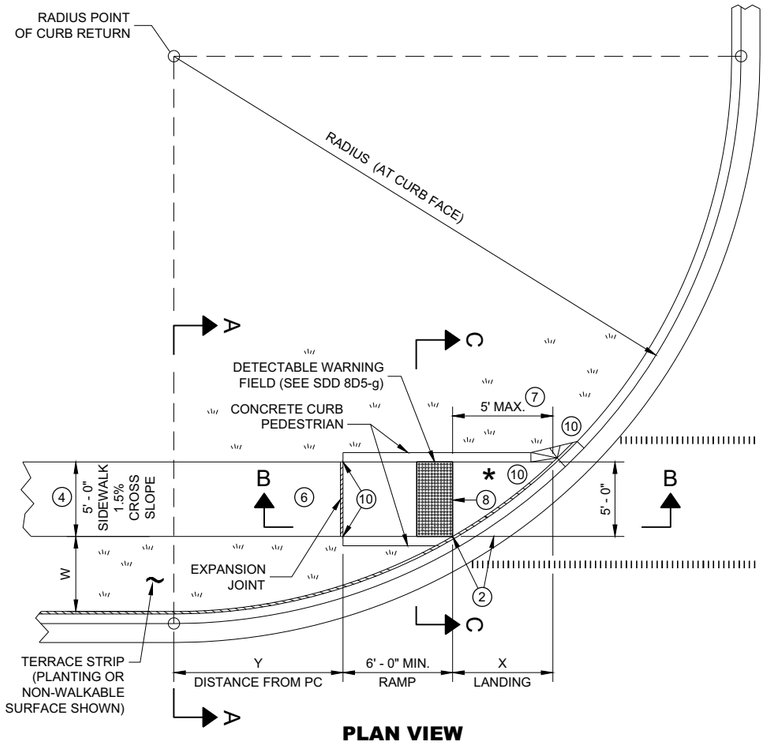
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

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

LEGEND

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

GENERAL NOTES

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

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

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

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

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

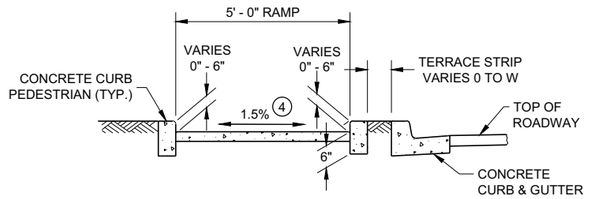
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

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

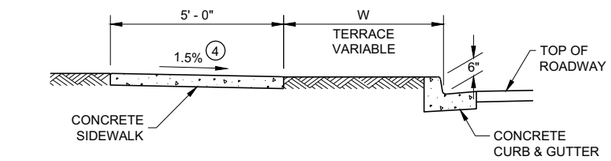
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

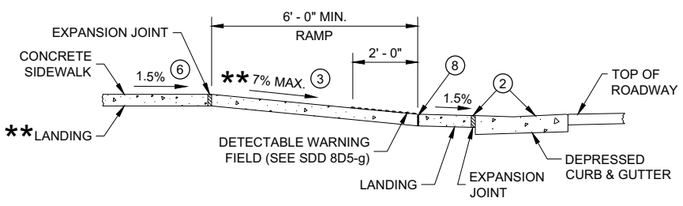
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



SECTION C - C FOR TYPE 4B



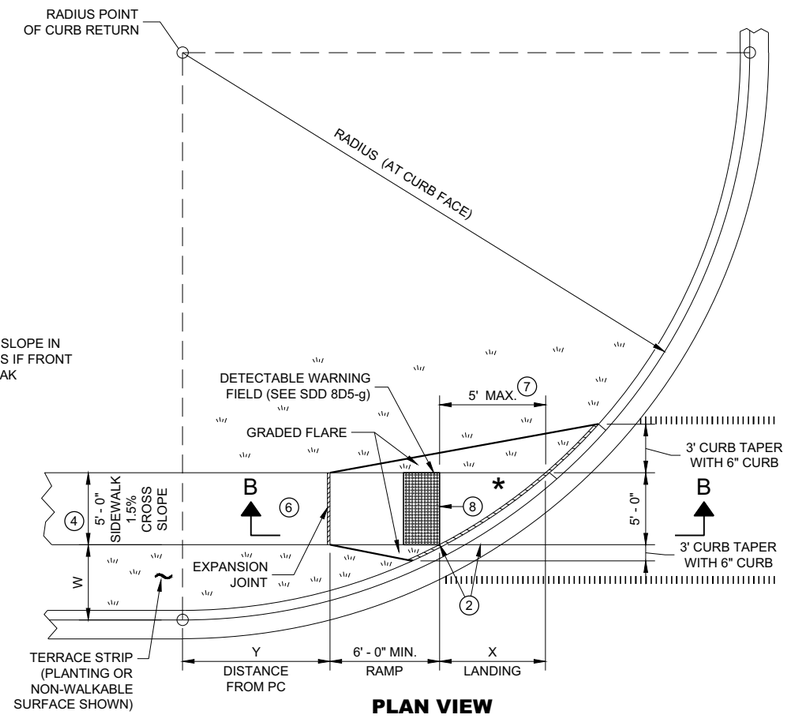
SECTION A - A FOR TYPE 4B



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

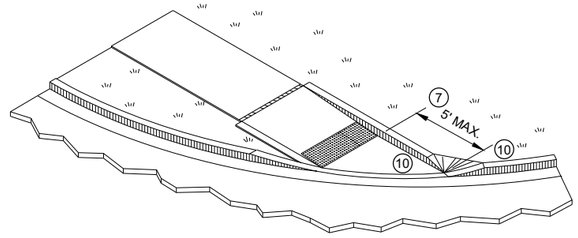
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

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

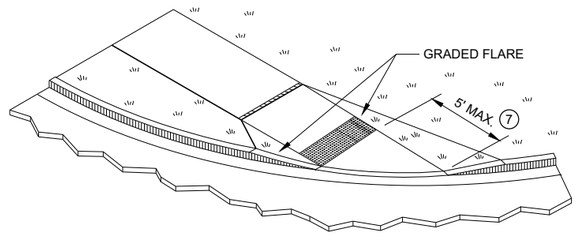


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



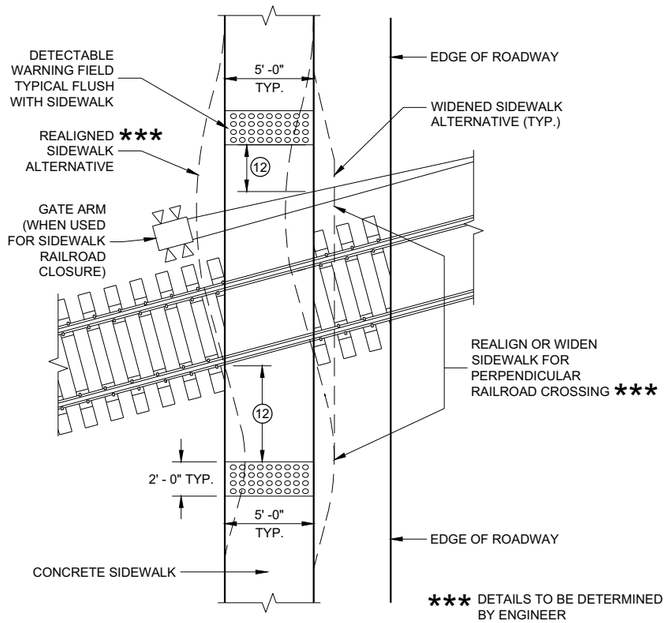
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

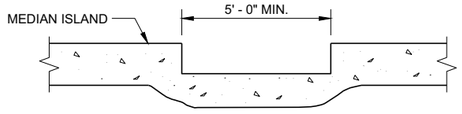
6

SDD 08D05 - 20d

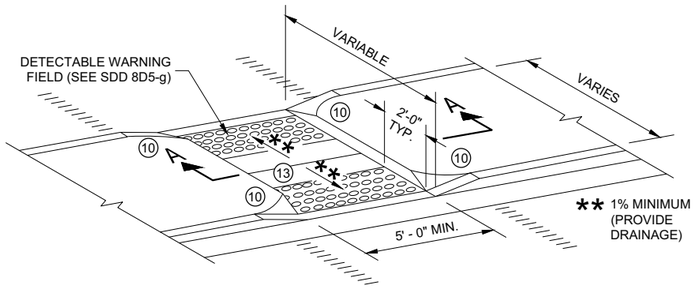


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

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

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

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

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

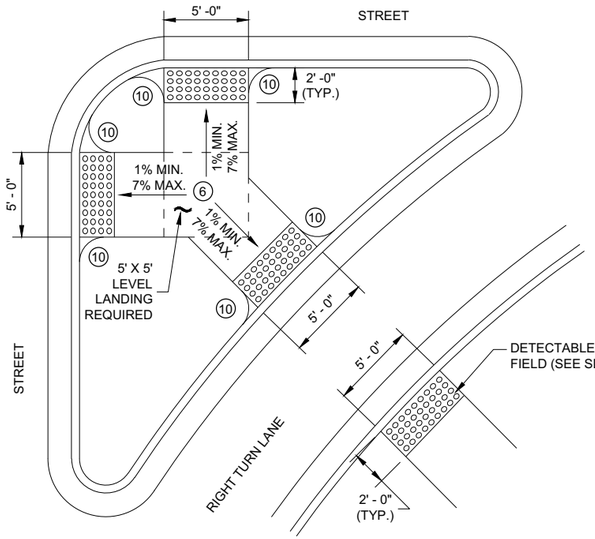
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

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

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

LEGEND

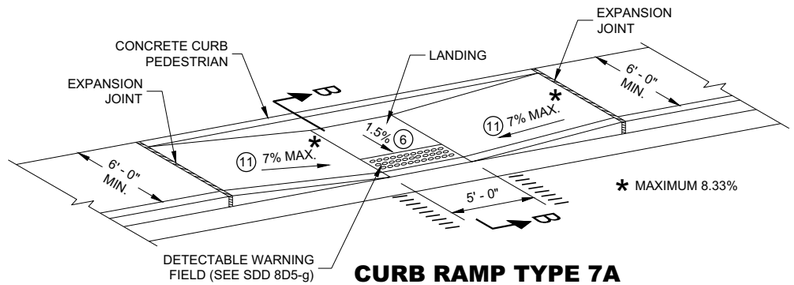
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

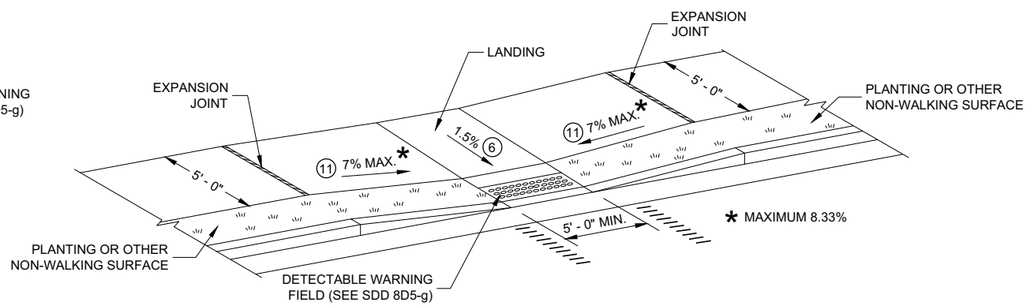
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7A

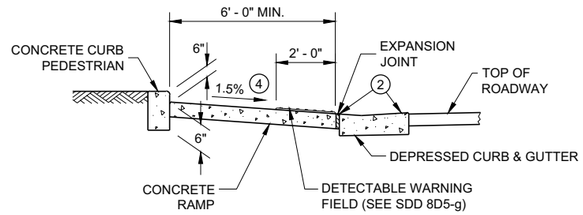
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

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



SECTION B - B FOR TYPE 7A

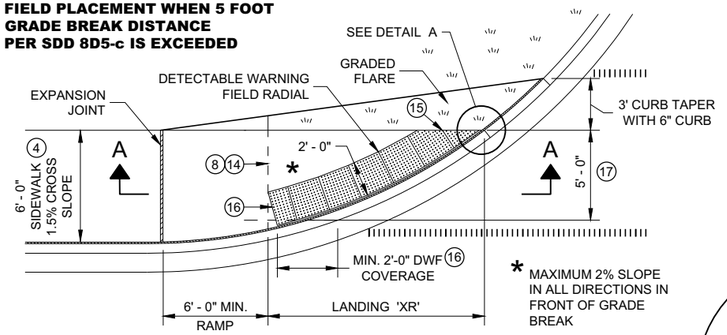
CURB RAMPS TYPE 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20e

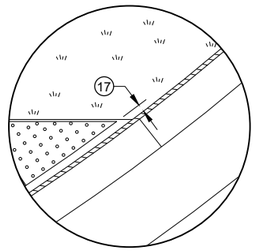
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



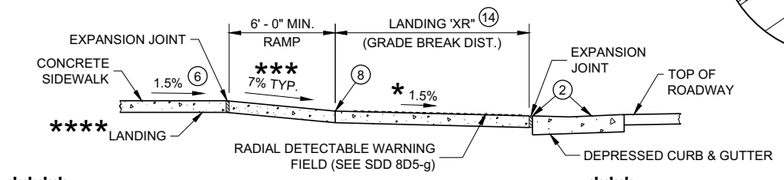
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

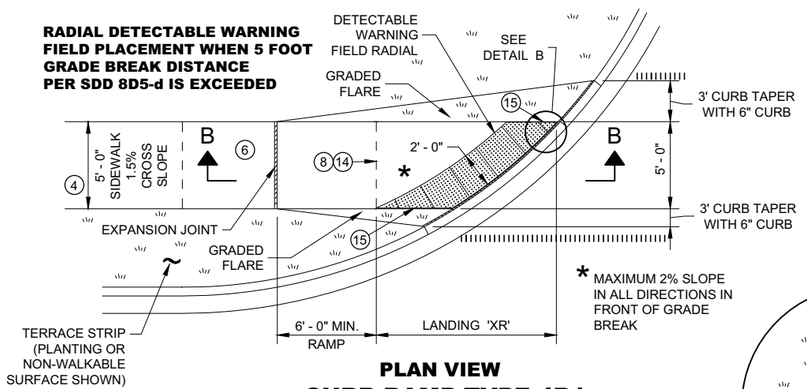


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

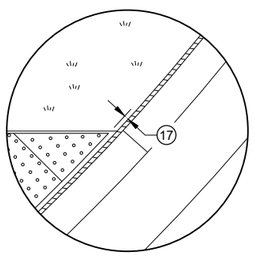
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



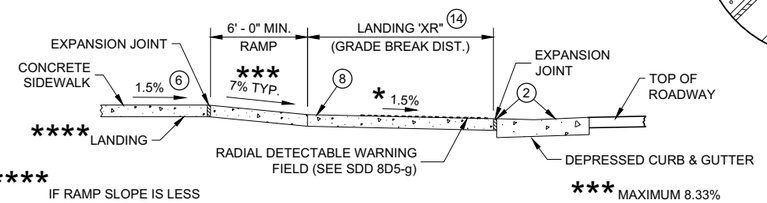
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



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

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

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

GENERAL NOTES

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

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

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

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

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

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

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

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

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

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

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

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

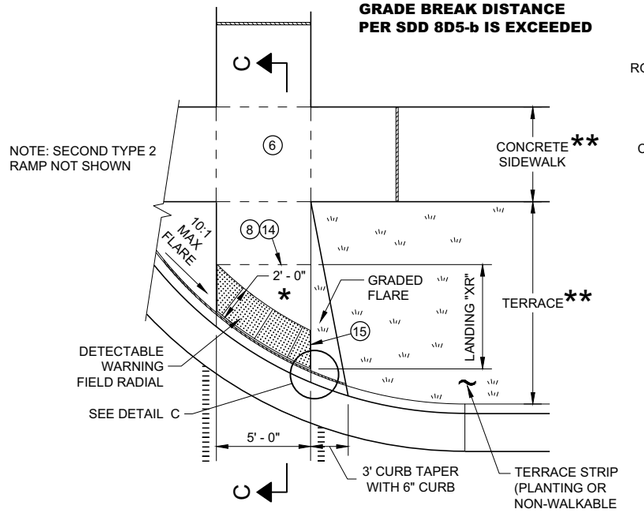
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

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

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

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

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

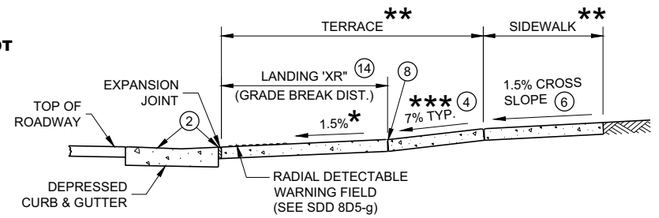


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

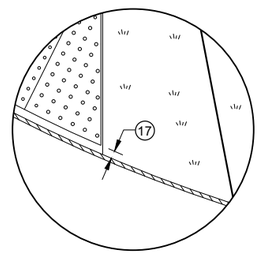


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

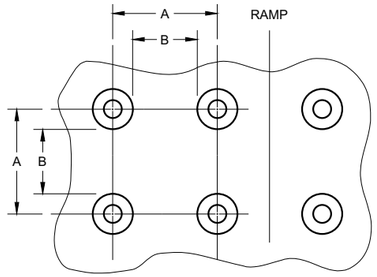
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

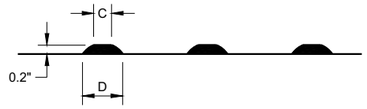
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

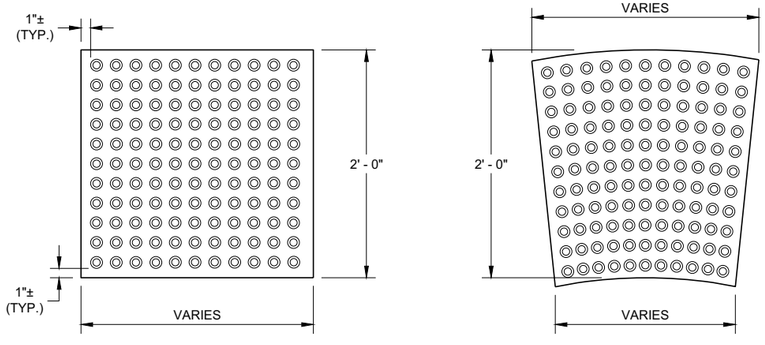


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

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

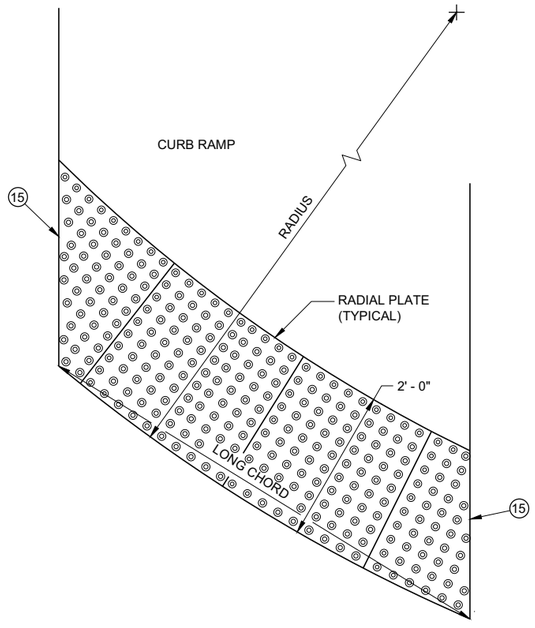
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

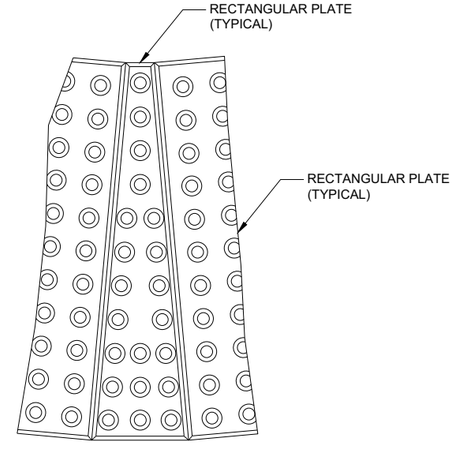
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

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



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

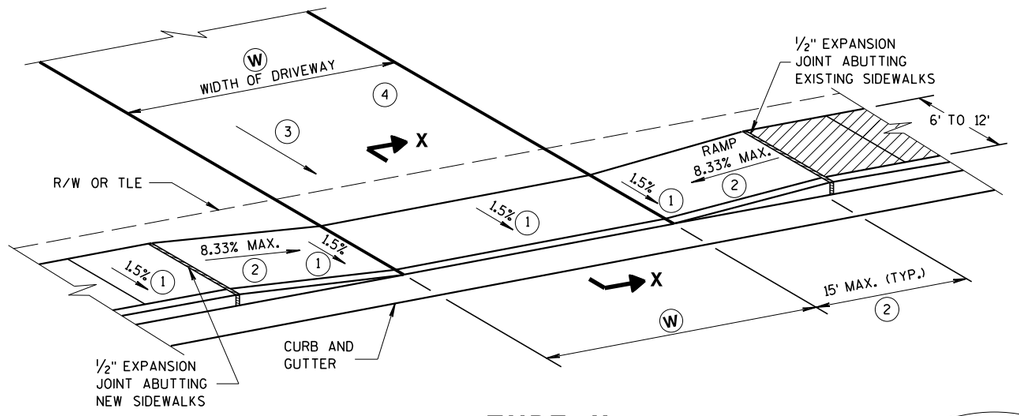
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

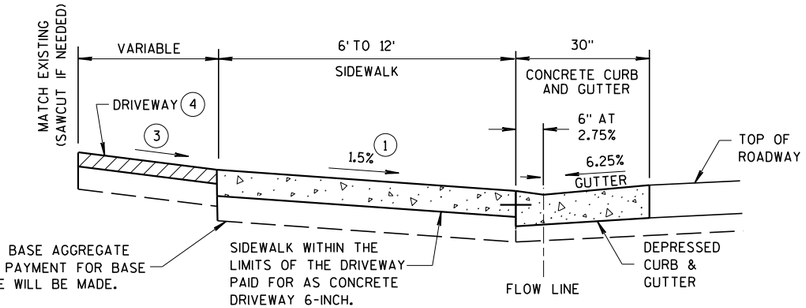
FHWA

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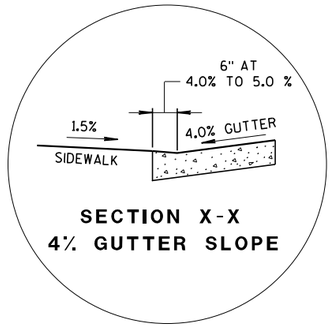
SDD 08D05 - 20g



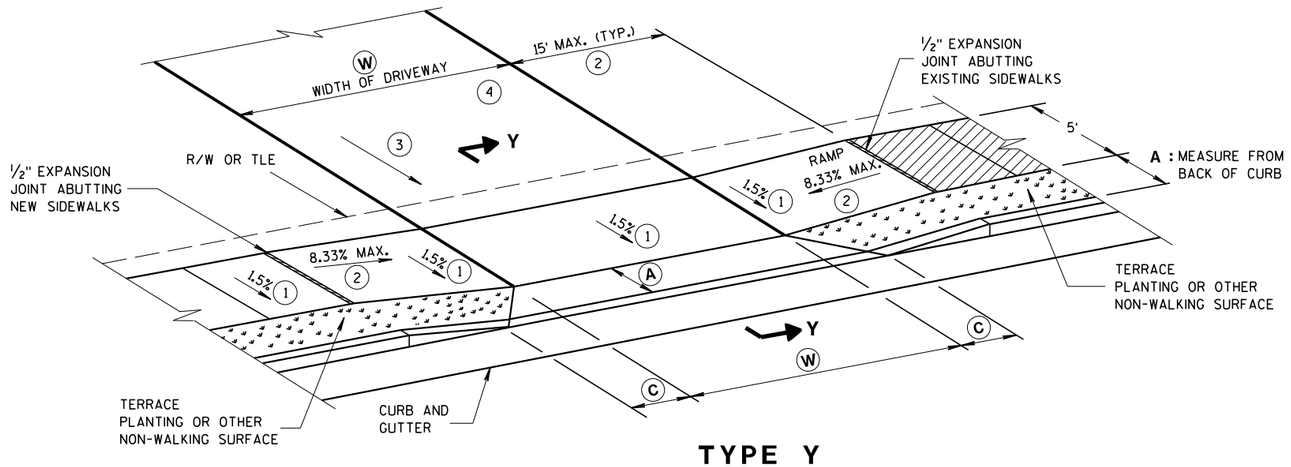
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



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

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

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

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

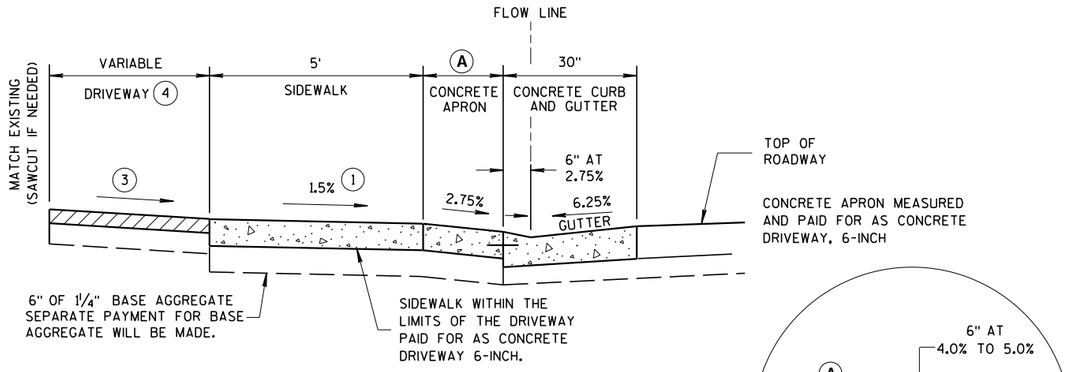
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

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

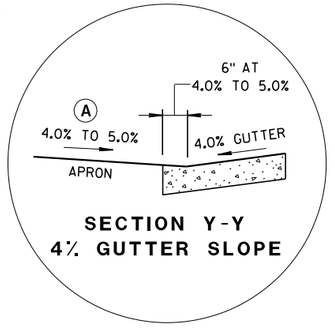
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)



SECTION Y-Y
4% GUTTER SLOPE

TABLE Y

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

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

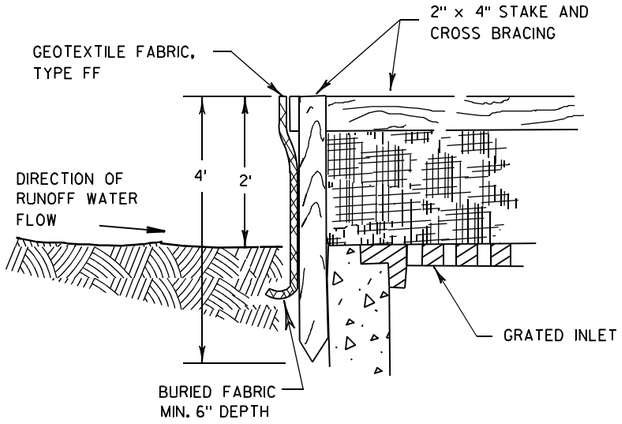
APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

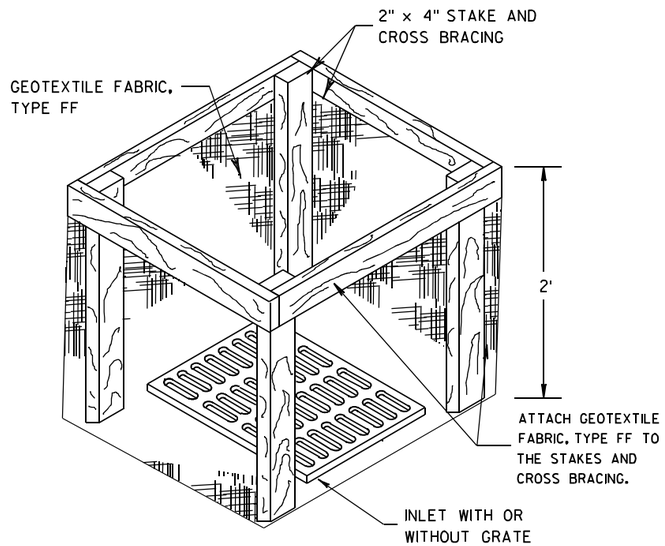
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S.D.D. 8 D 18-2

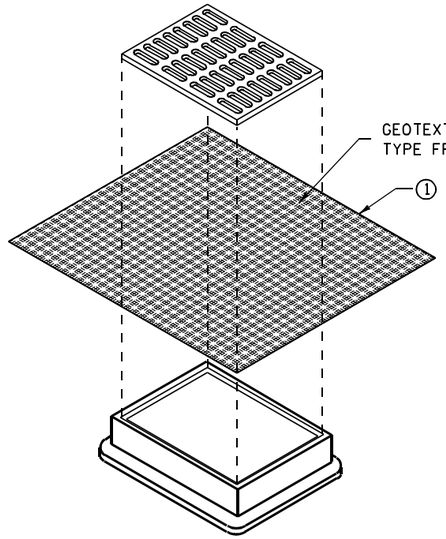
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S.D.D. 8 D 18-2



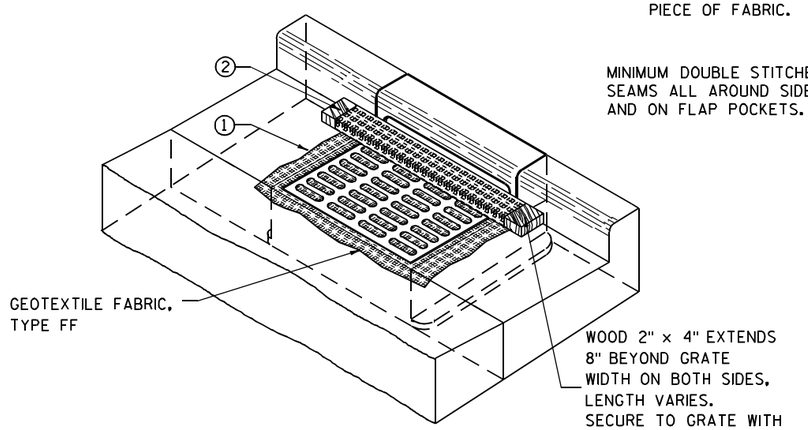


INLET PROTECTION, TYPE A

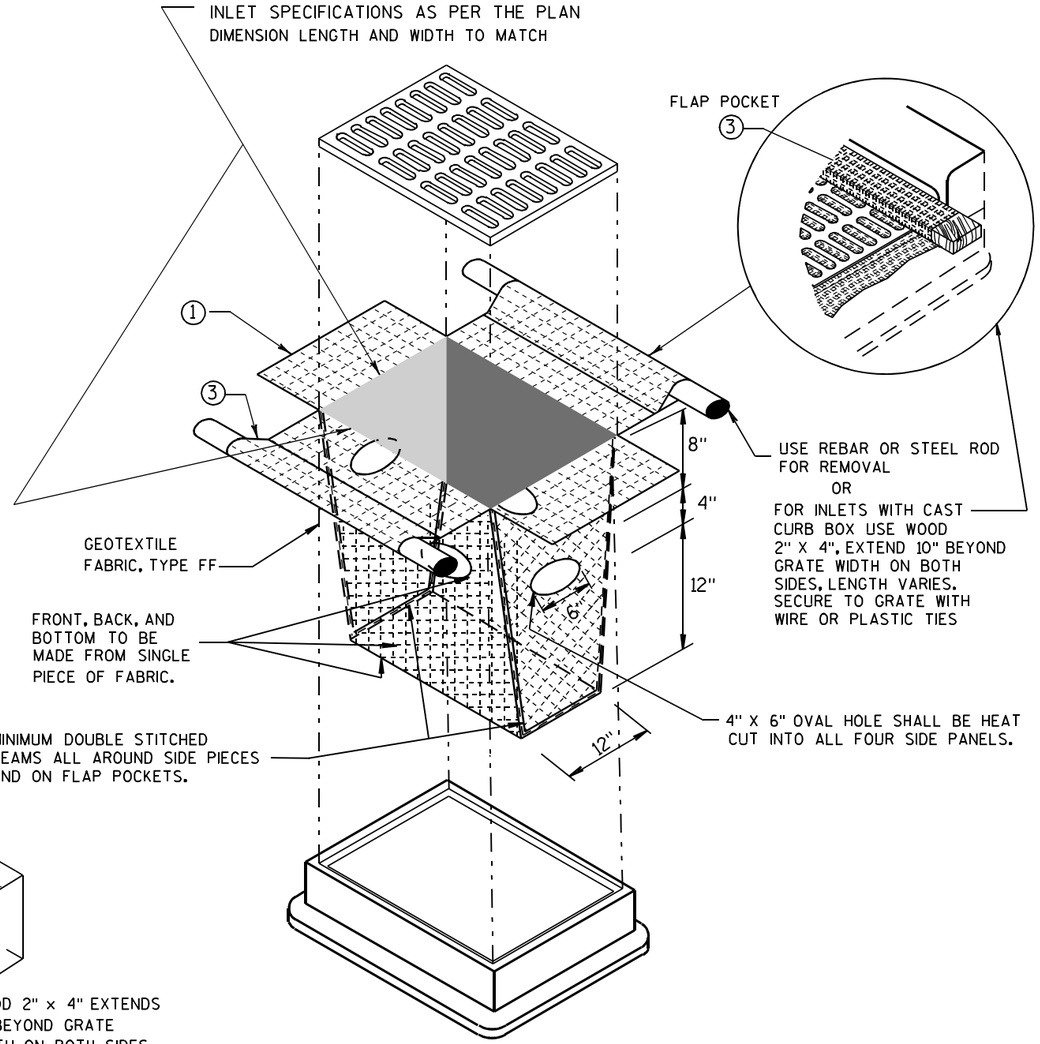


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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.

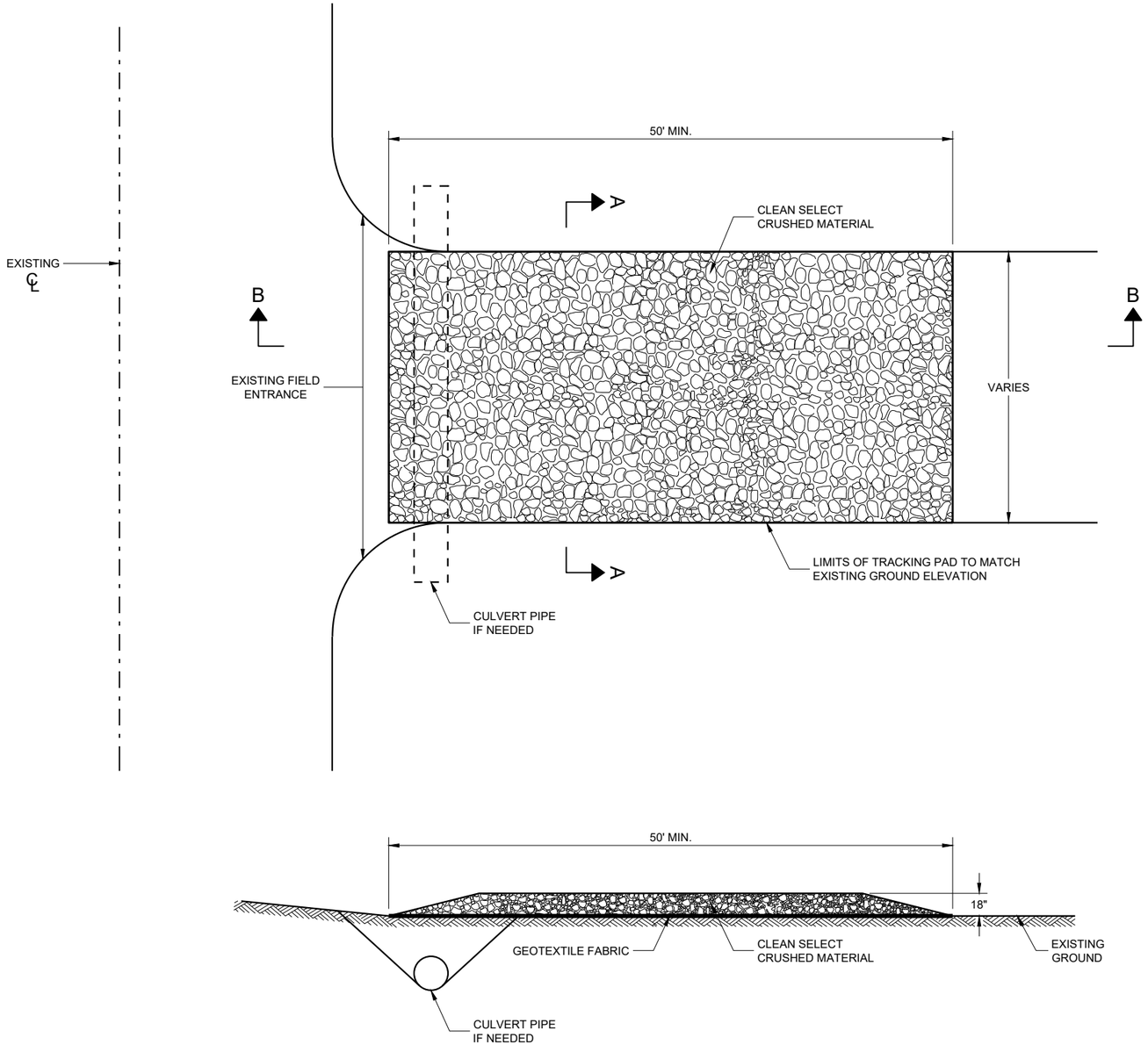
THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE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

6
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

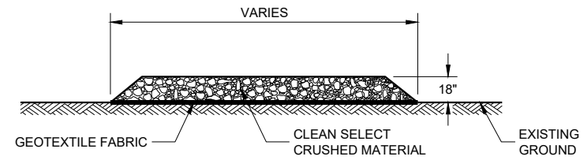
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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

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

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

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



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

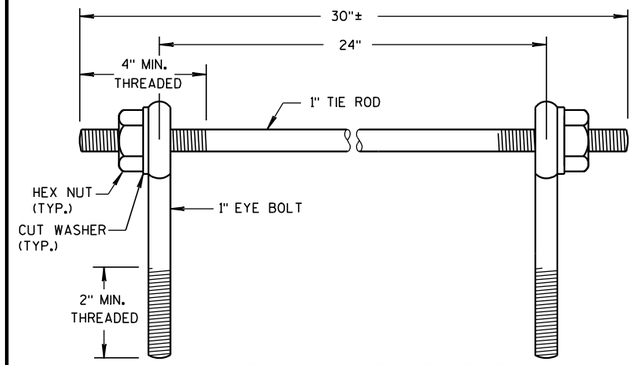
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

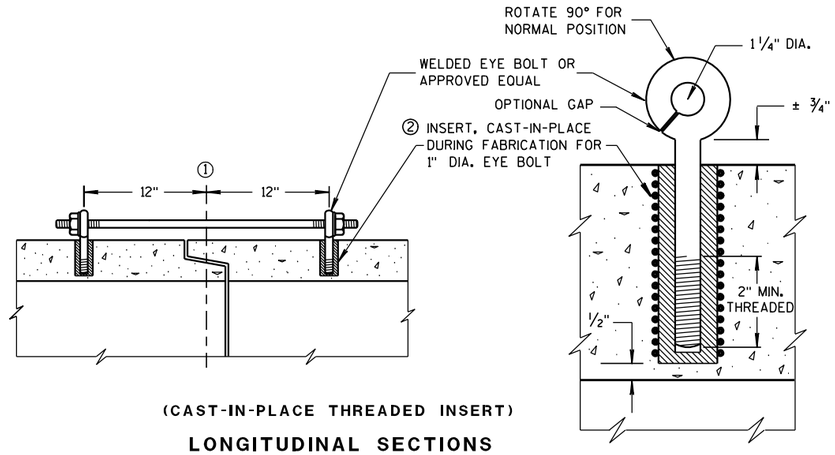
FHWA

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SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

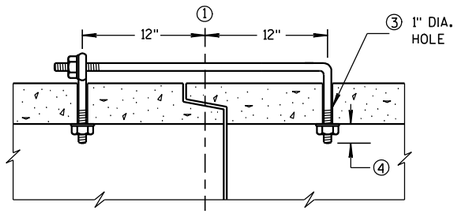
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

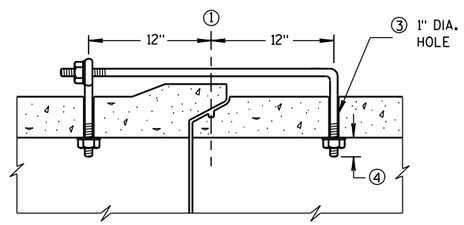
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

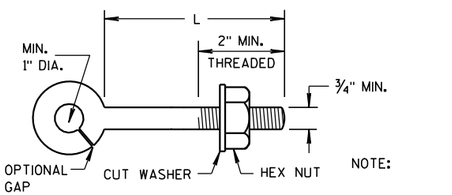


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

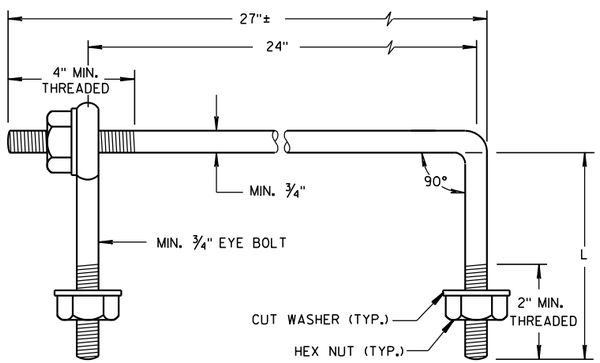
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

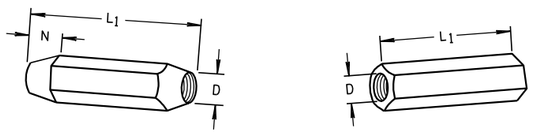
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

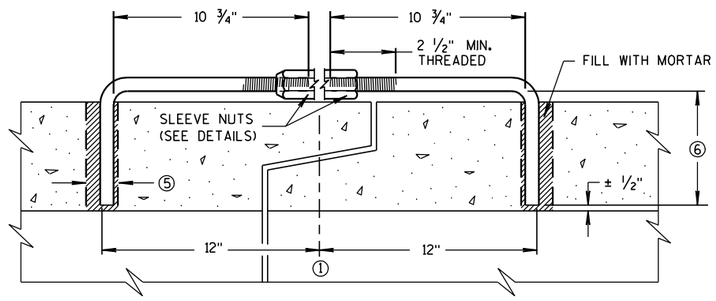
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

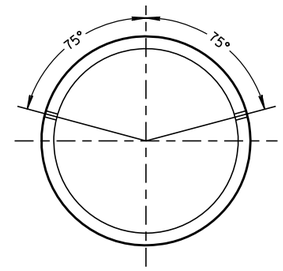
SLEEVE NUTS



LONGITUDINAL SECTION

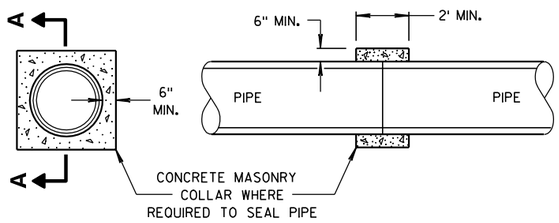
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

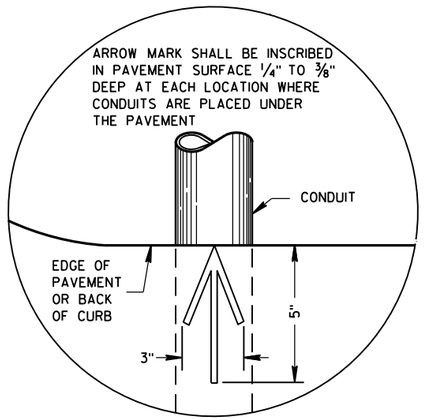
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
224
FHWA

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S.D.D. 8 F 4-7

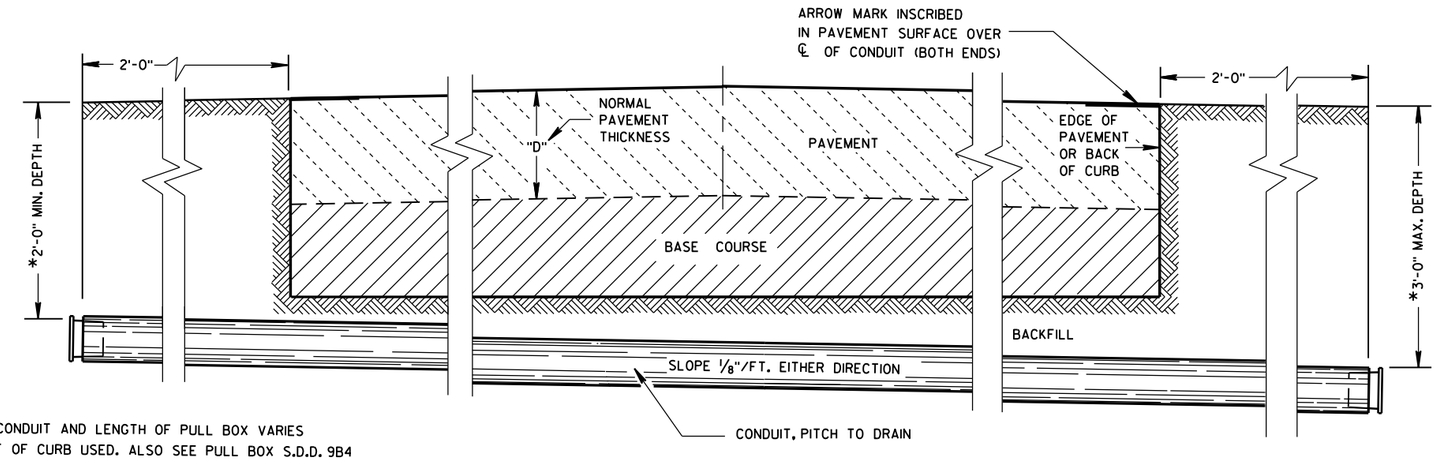
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S.D.D. 8 F 4-7



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 225
FHWA

6

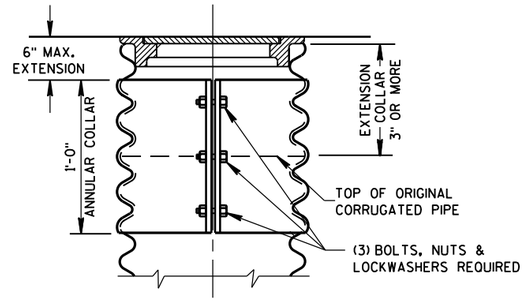
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

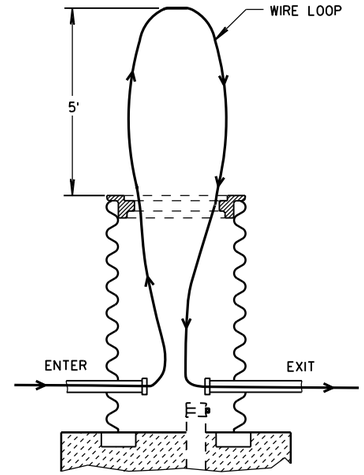
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	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.

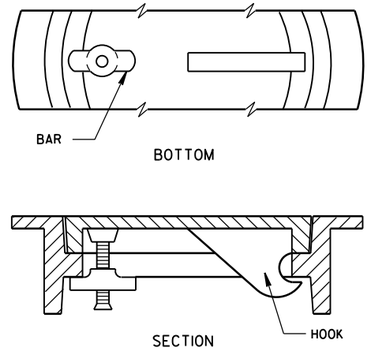
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

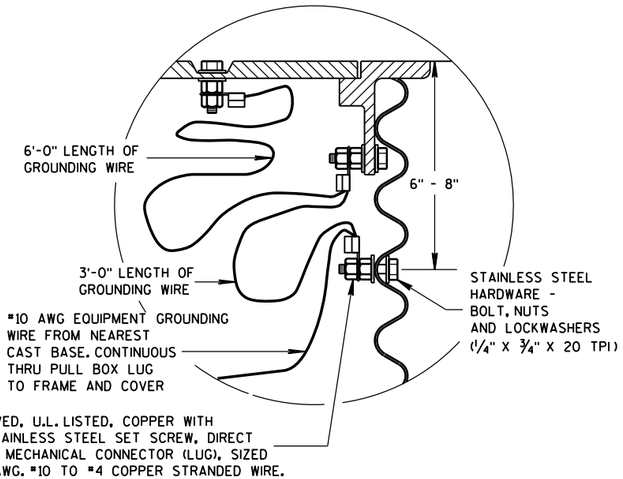


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

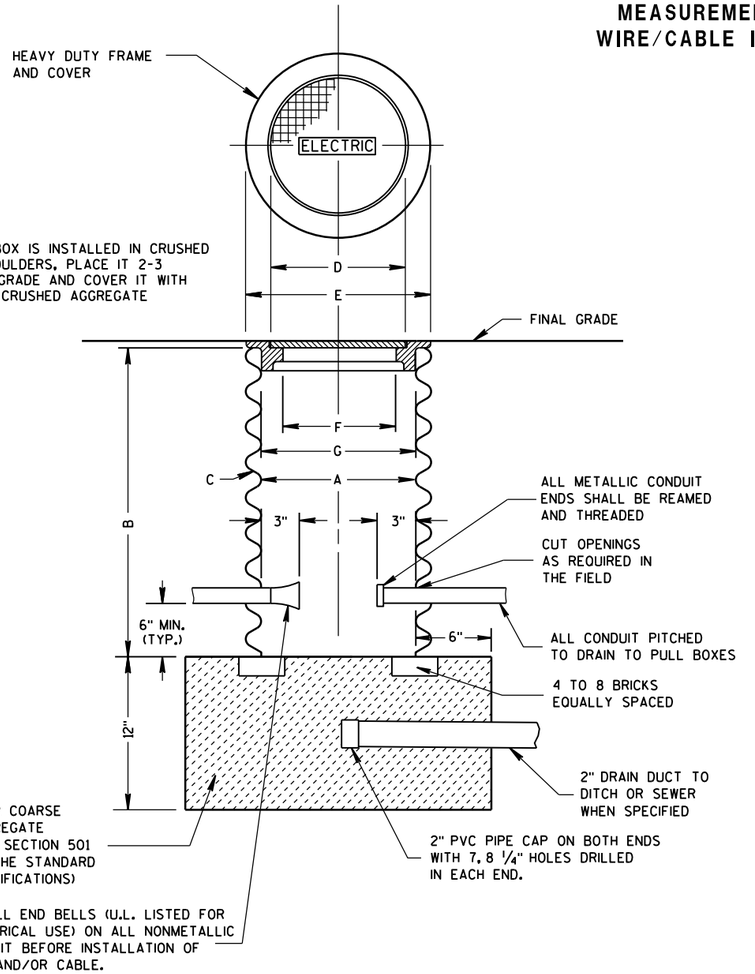


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

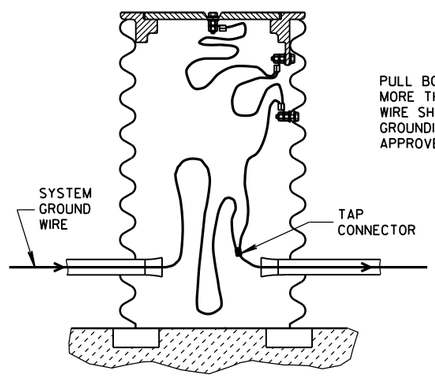
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

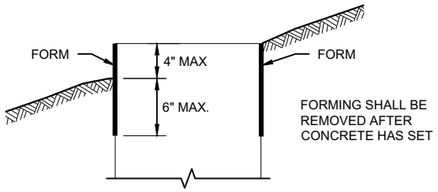
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

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.

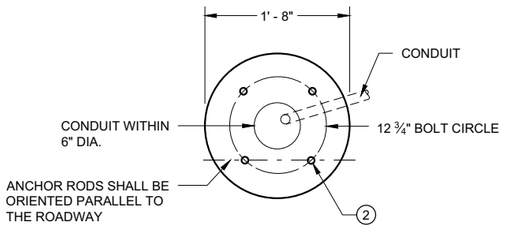
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

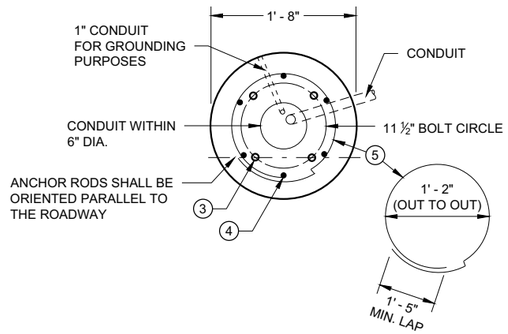
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

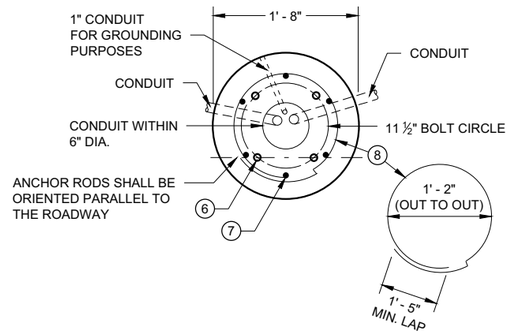
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

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

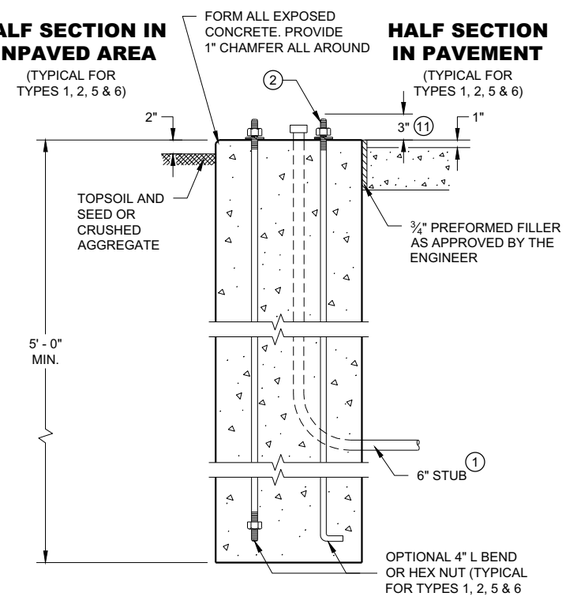
10 ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

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.

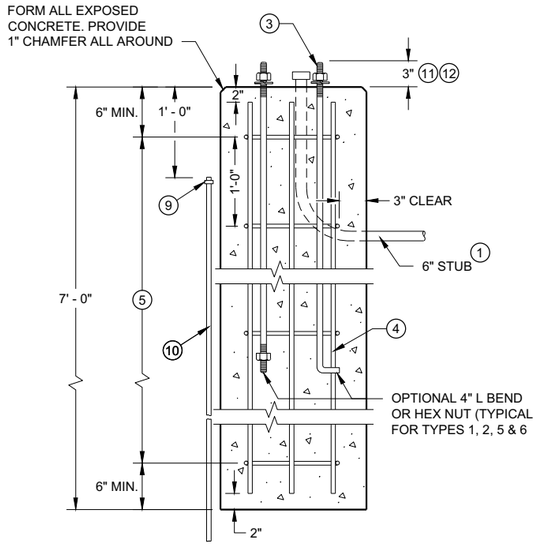
12 FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

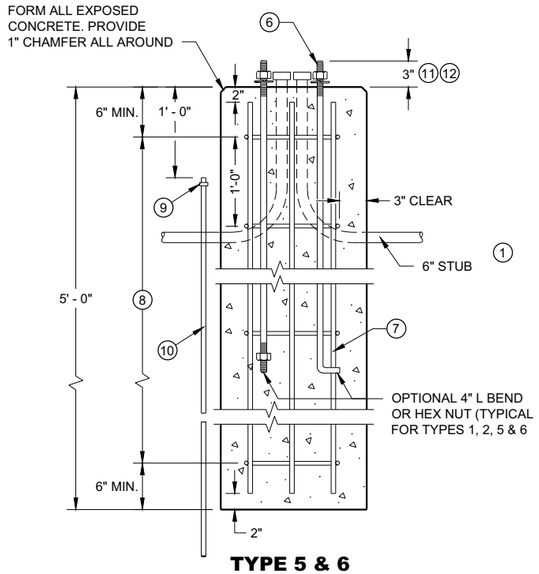
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES
TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 227
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.

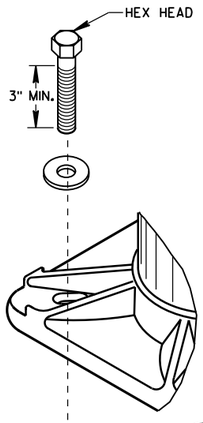
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

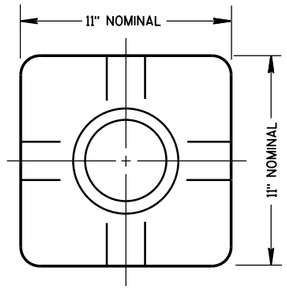
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

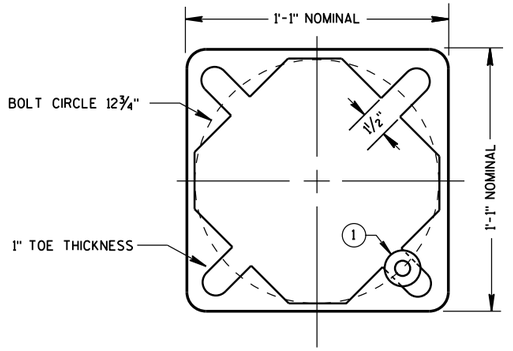
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

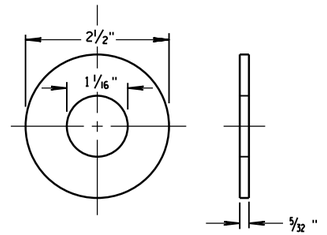




TOP VIEW
(PEDESTAL BASE)

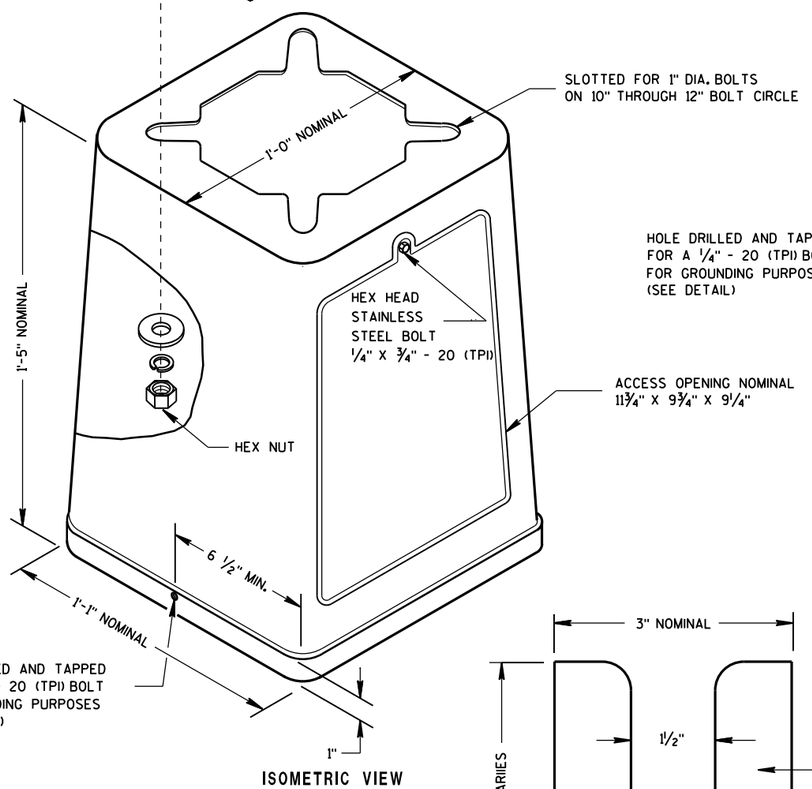


BOTTOM VIEW
(PEDESTAL BASE)

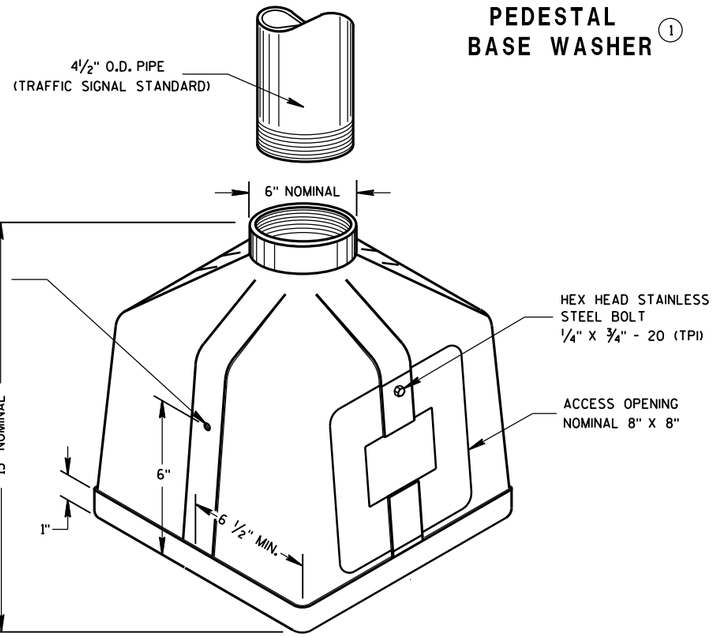


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

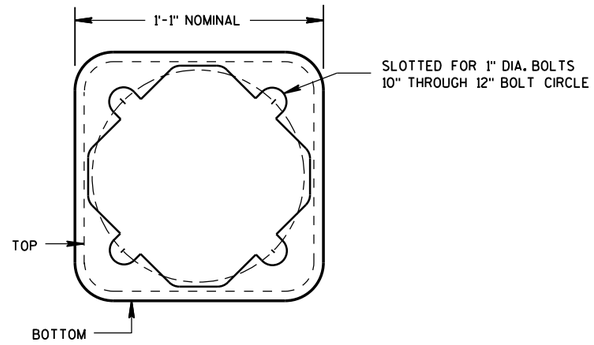
PEDESTAL BASE WASHER (1)



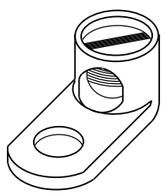
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

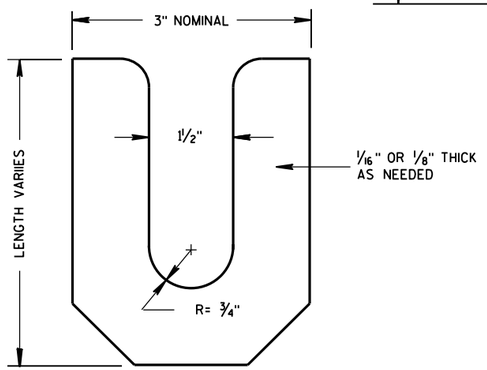


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



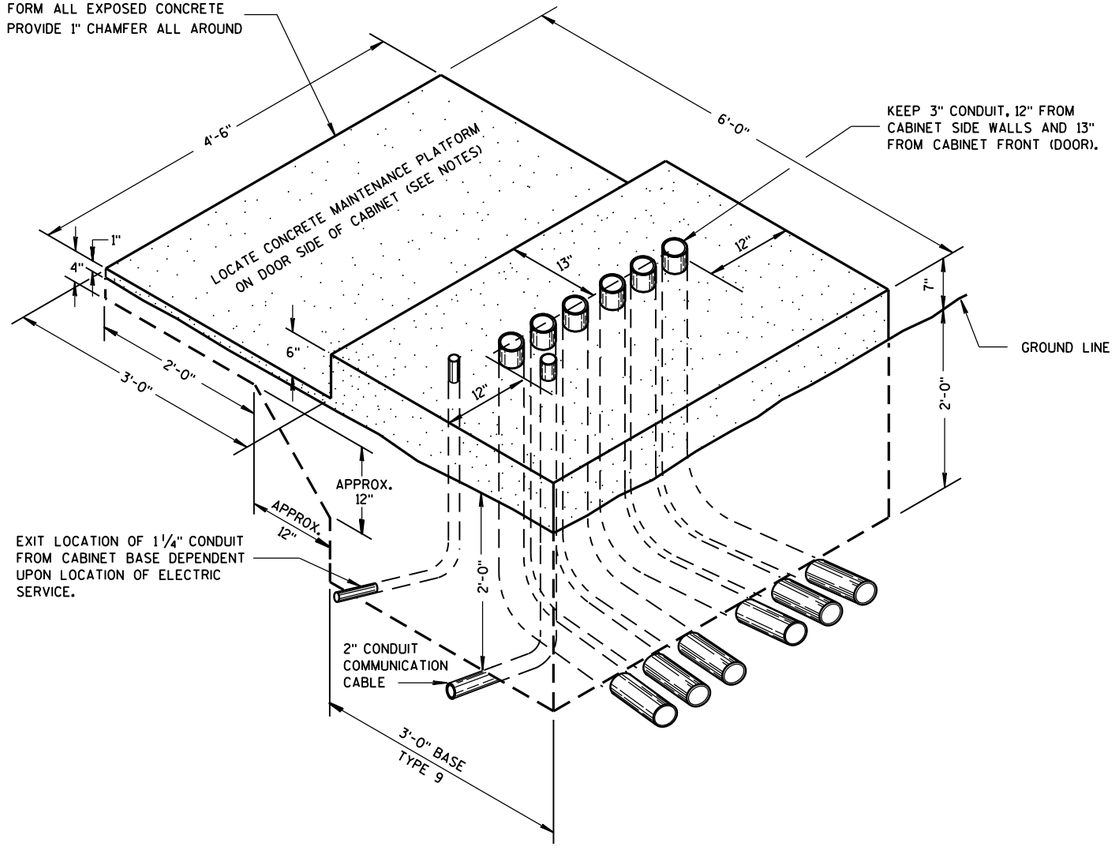
LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

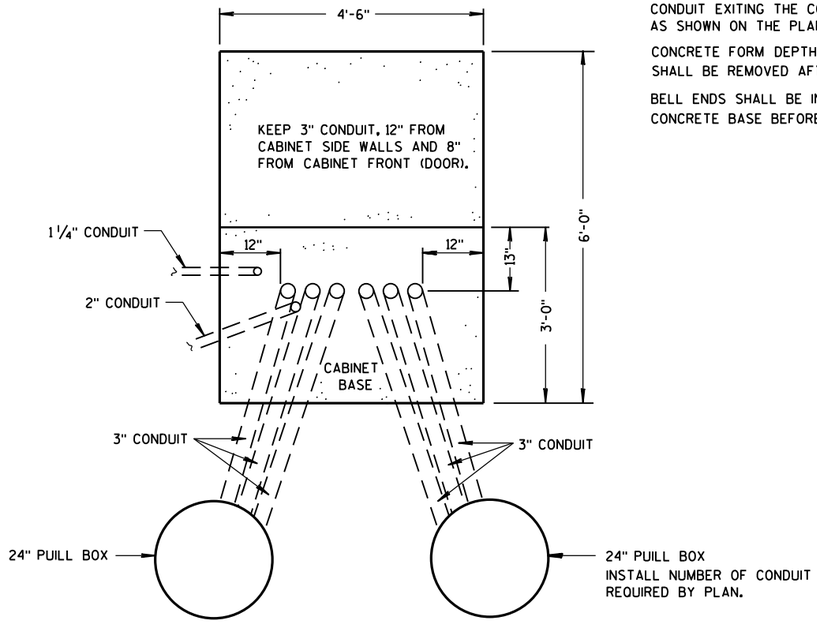
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S.D.D. 9 C 3-4



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 229
FHWA

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.

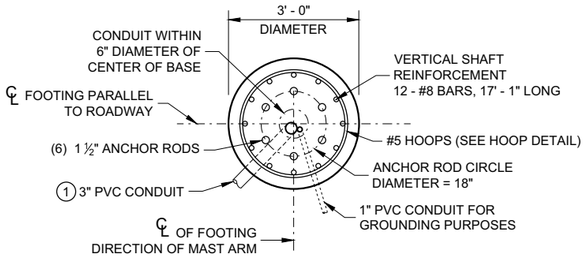
A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

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.

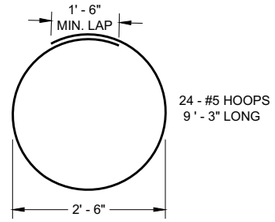
THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

(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.

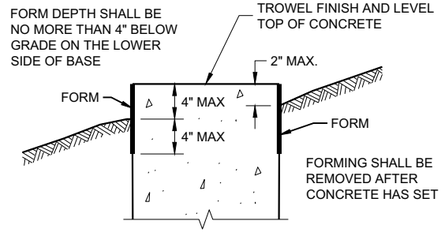
CONCRETE MASONRY.....fc = 3,500 p.s.i
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60.....fy = 60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 531.2.2 OF THE STANDARD SPECIFICATION).....fy = 55,000 p.s.i.
TEMPLATES, ASTM A709, GRADE 36.....fy = 36,000 p.s.i.



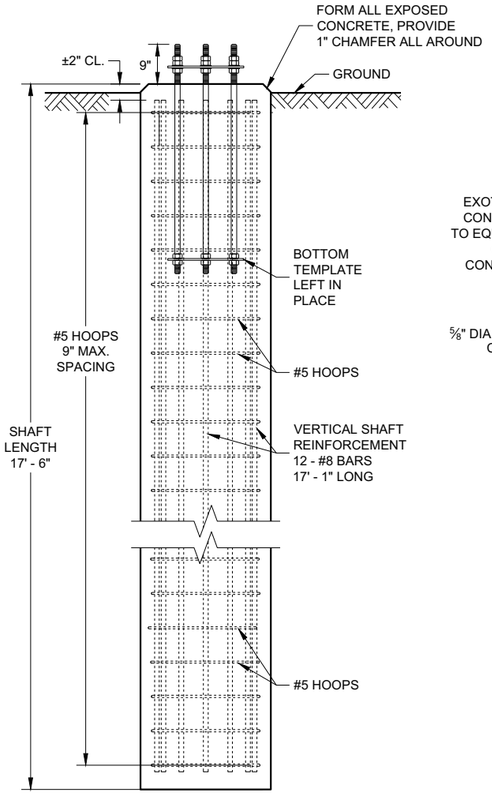
PLAN VIEW



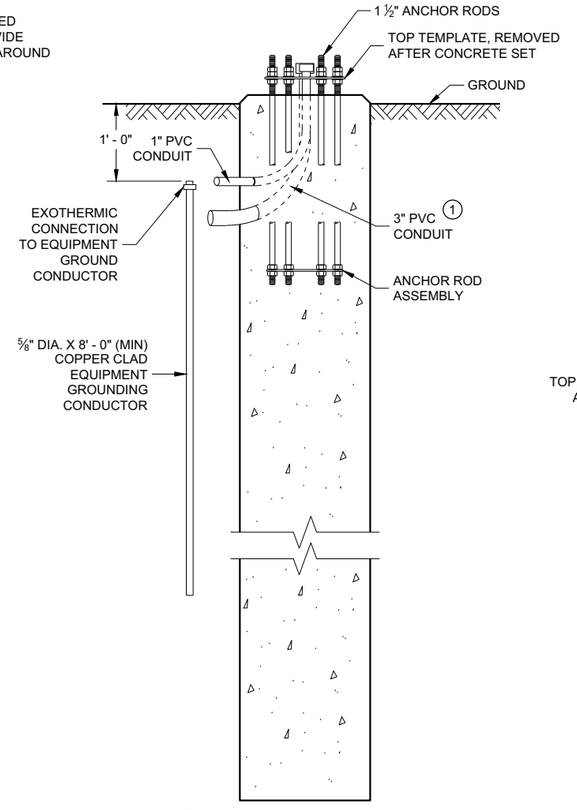
HOOP DETAIL



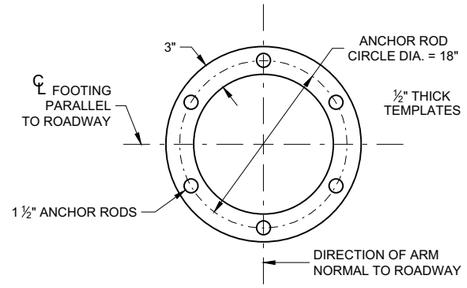
FORMING DETAIL



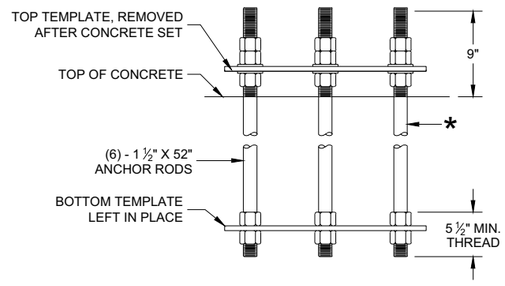
ELEVATION VIEW
(CONDUITS NOT SHOWN ON THIS VIEW FOR CLARITY)



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.

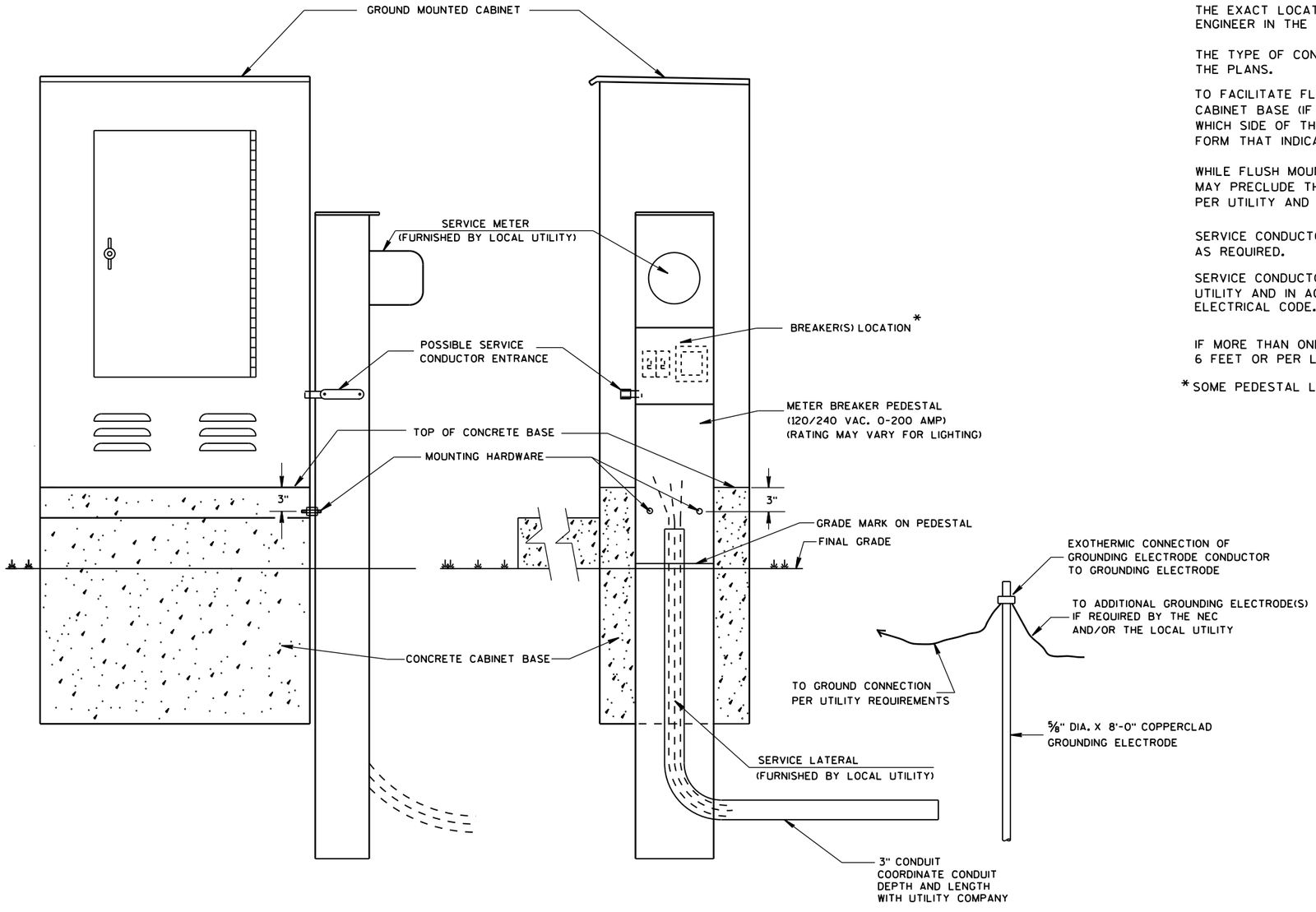
CONCRETE BASE TYPE 10 SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020 — DATE
/S/ Alex Crabtree — WIND LOADED STRUCTU PROGRAM LEADER
FHWA

6

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.

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S.D.D. 9 D 1-5

6

S.D.D. 9 D 1-5

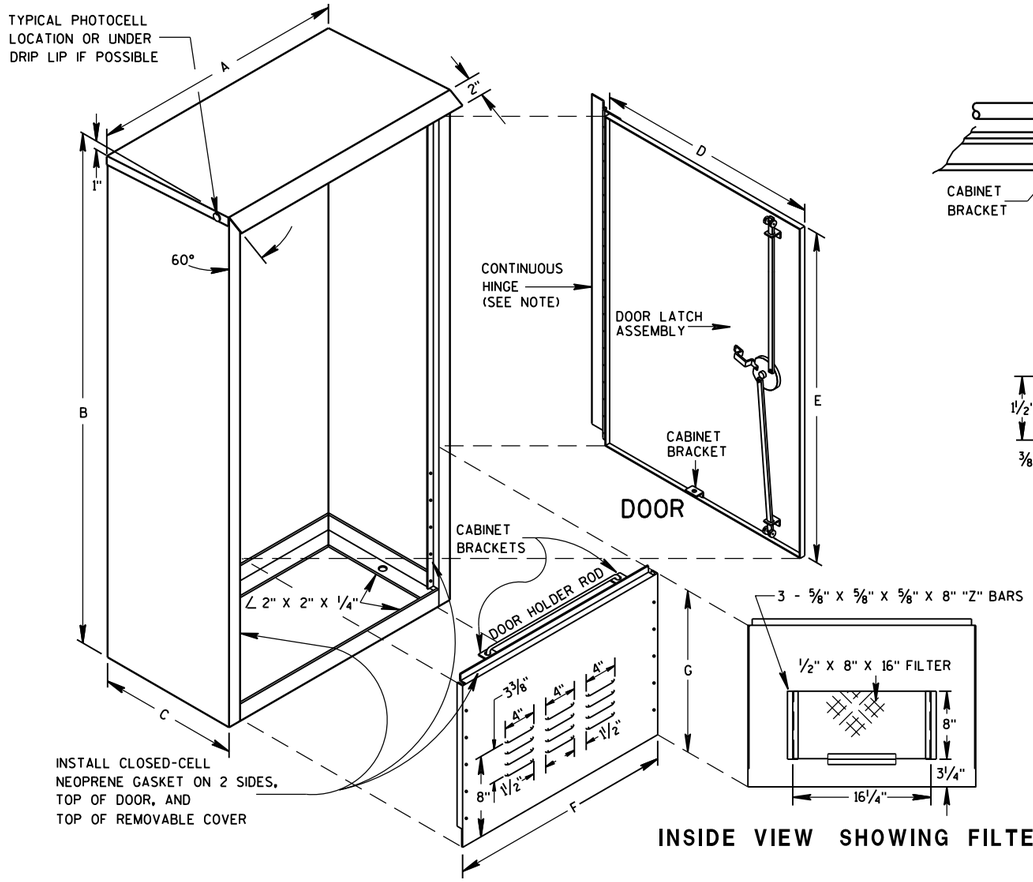
CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE

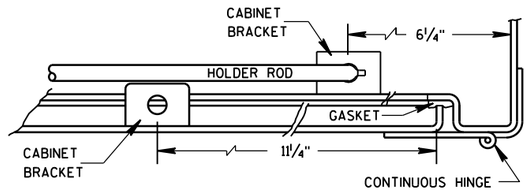
/S/ Ahmet Demirbilek
STATE ELECTRICAL

FHWA

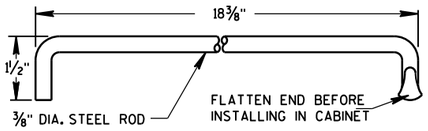


REMOVABLE COVER

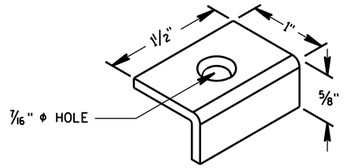
INSIDE VIEW SHOWING FILTER



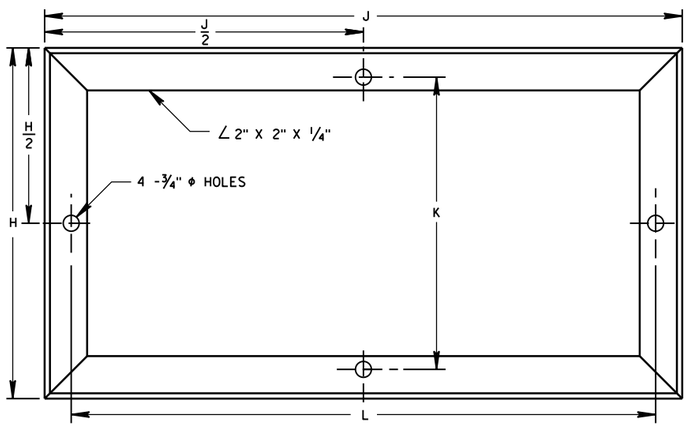
HINGE & DOOR HOLDER



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.

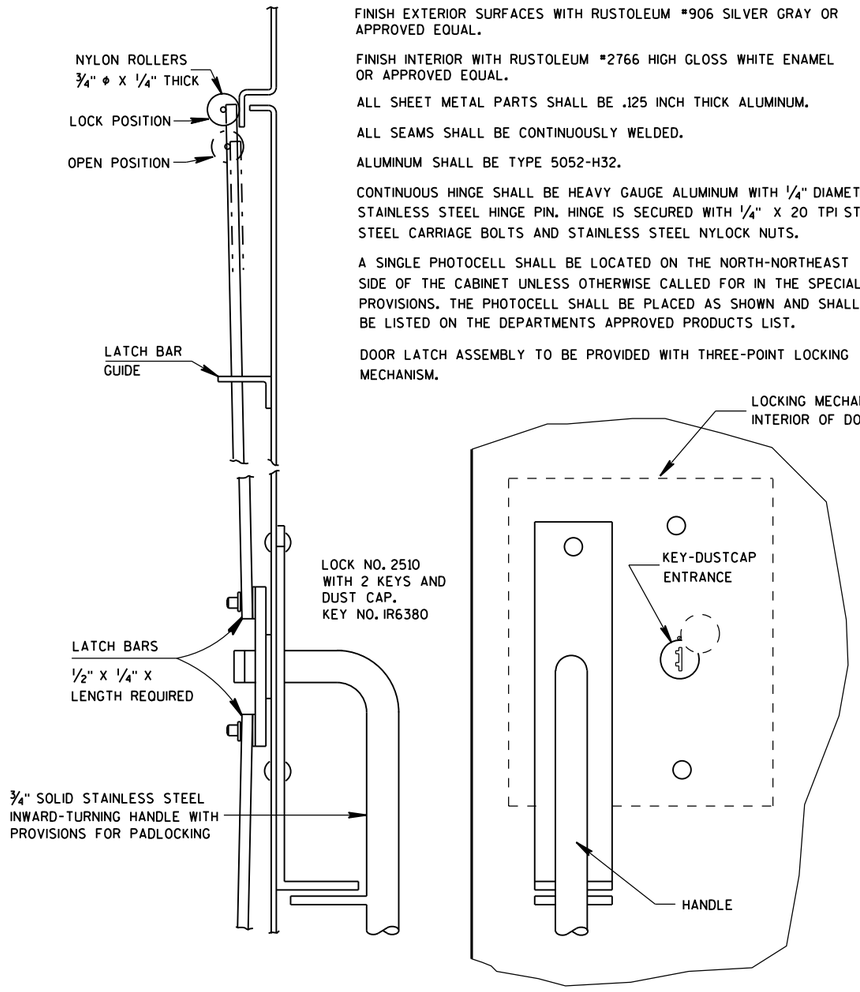
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

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.

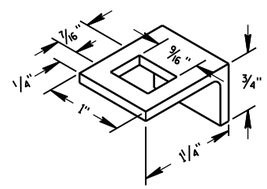
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY

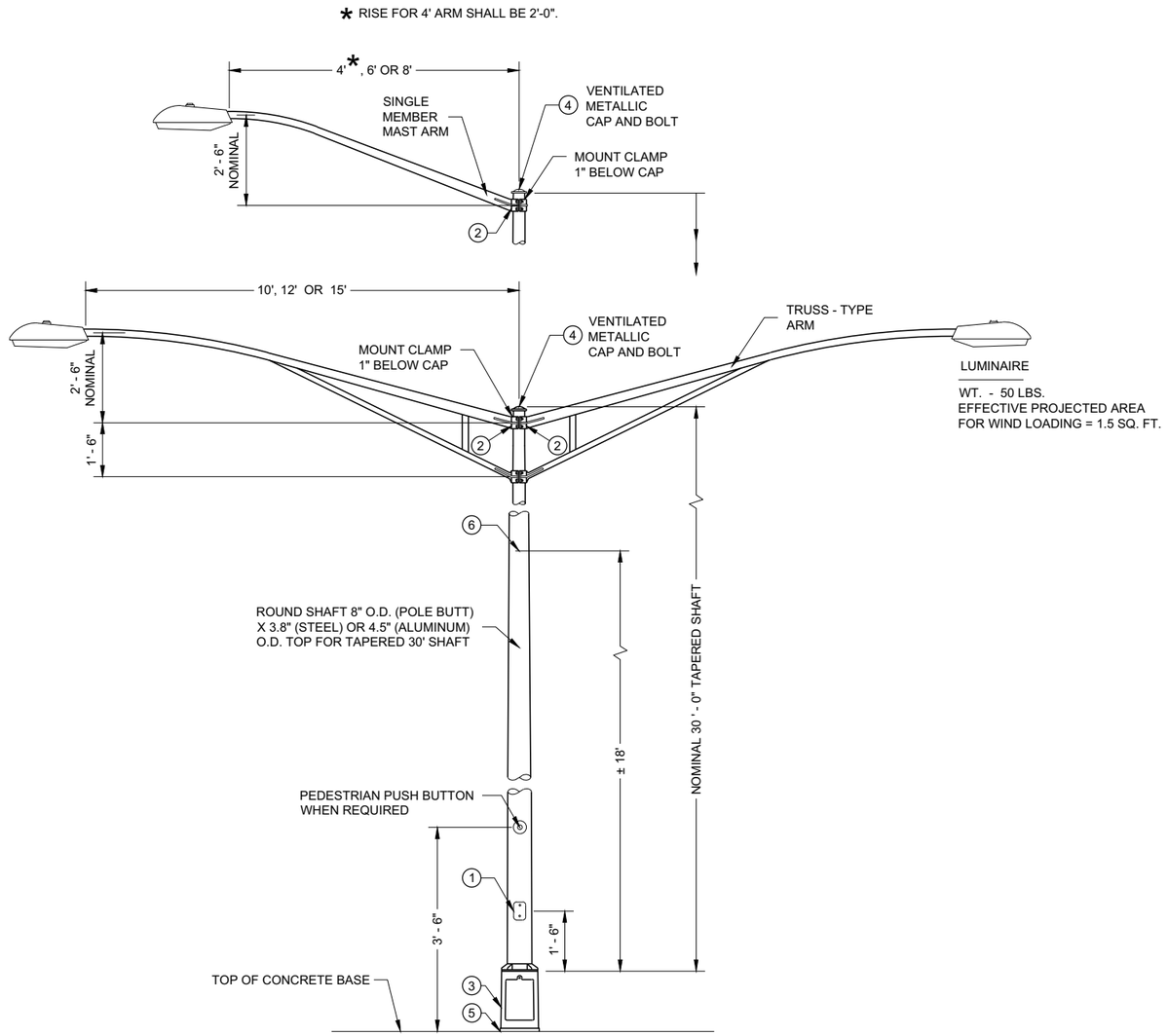


LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 232
FHWA



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

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

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ 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.

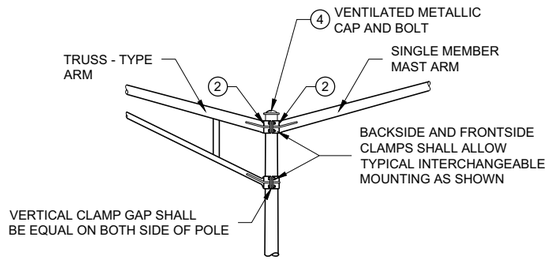
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.

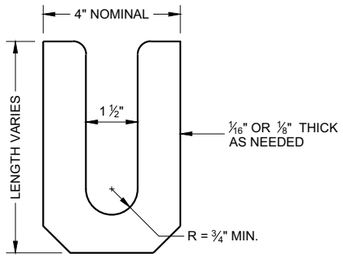


INTERCHANGEABLE MOUNTING DETAIL

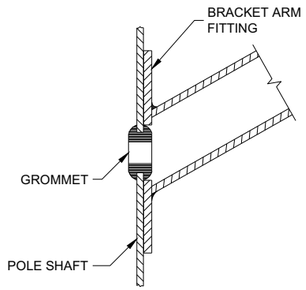
POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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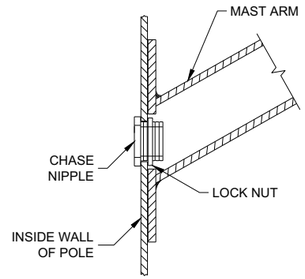
SDD 09E01 - 15d



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.

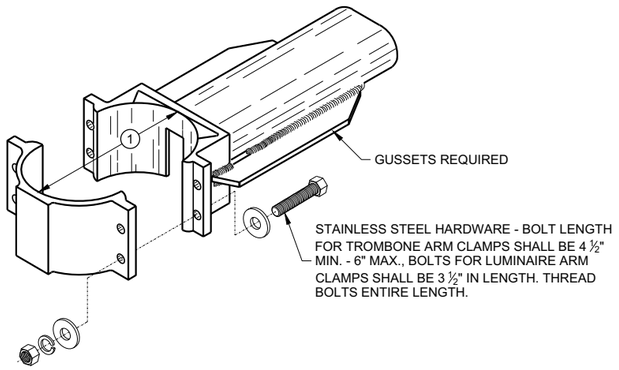
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

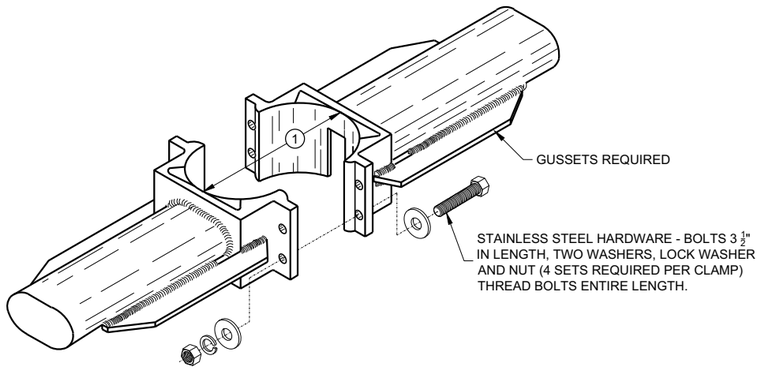
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(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.

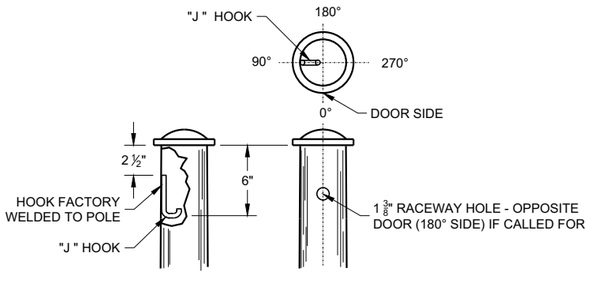
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



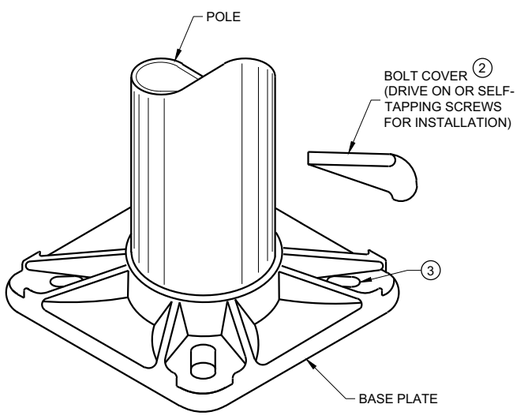
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



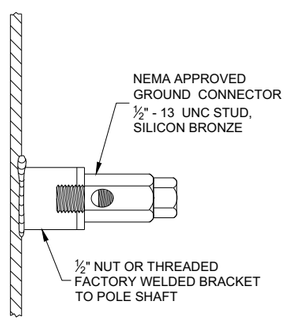
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

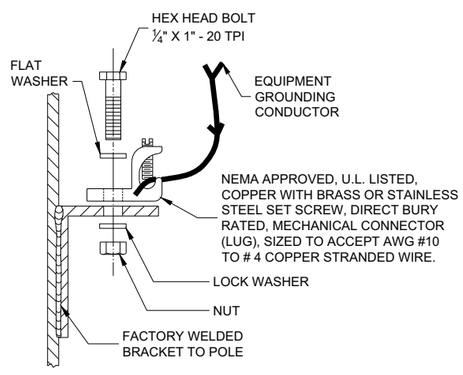


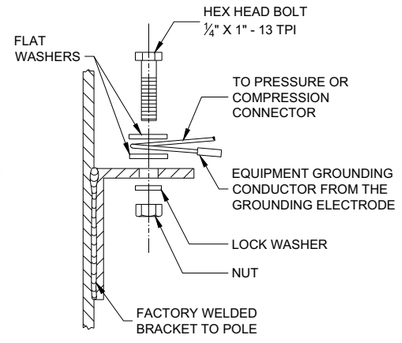
TYPICAL "J" HOOK LOCATION



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 234

FHWA

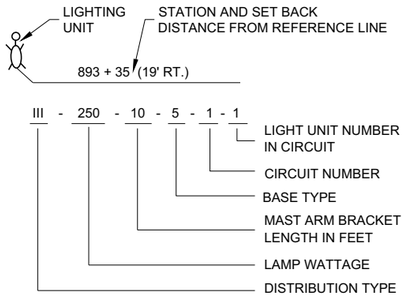
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SDD 09A01 - 15g

GENERAL NOTES

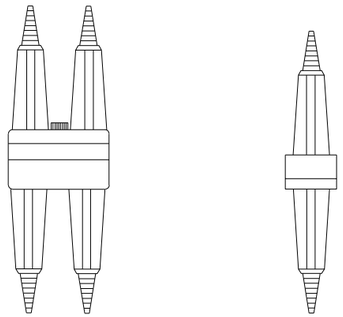
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

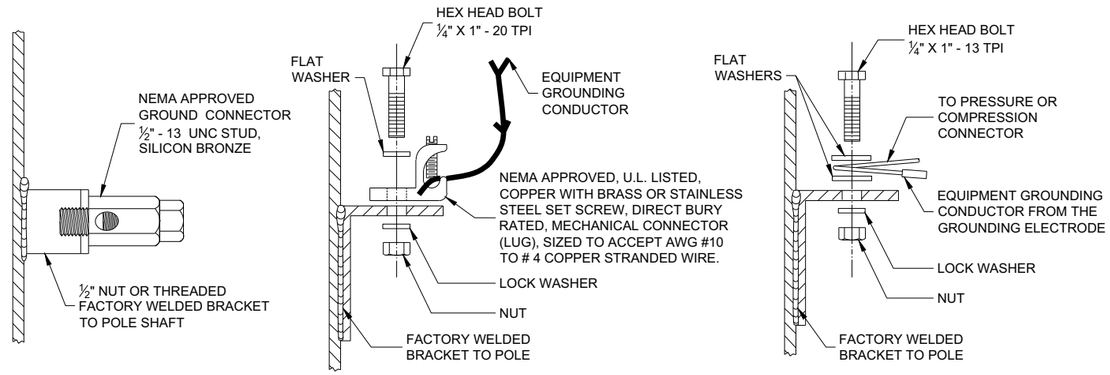


LIGHTING UNIT CODE
(TYPICAL)

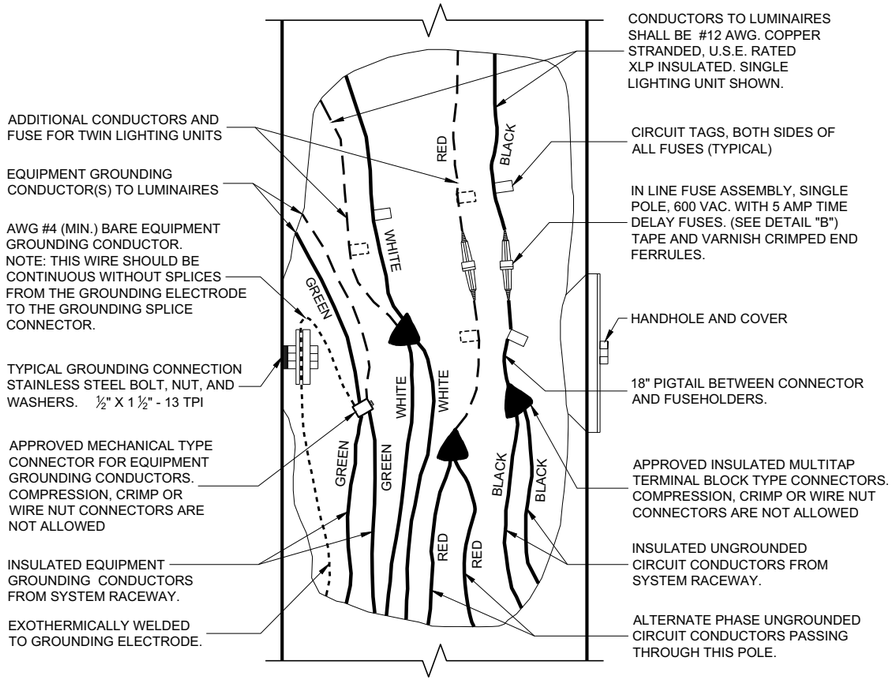


DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT

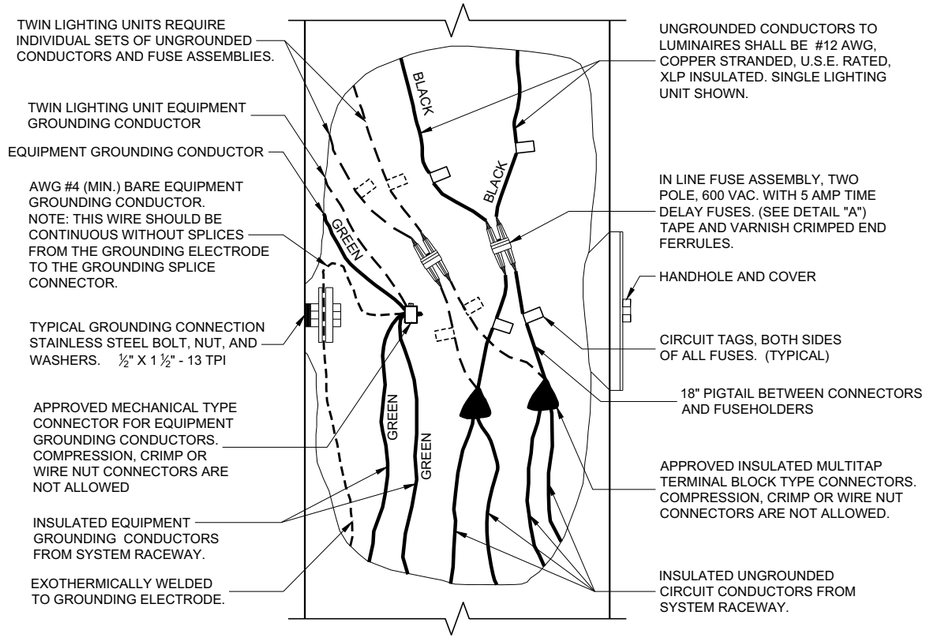
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

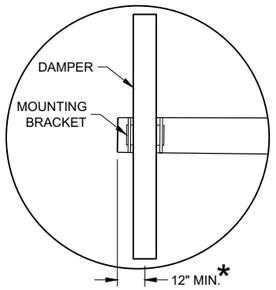
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

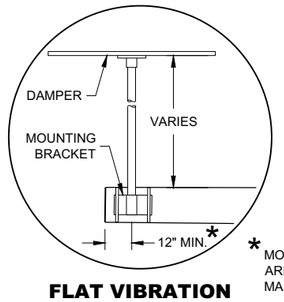
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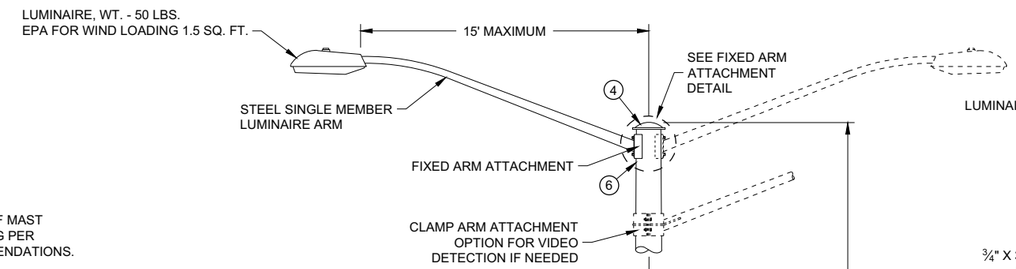


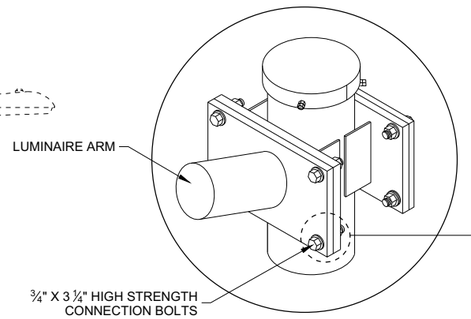
DUMBBELL VIBRATION DAMPER



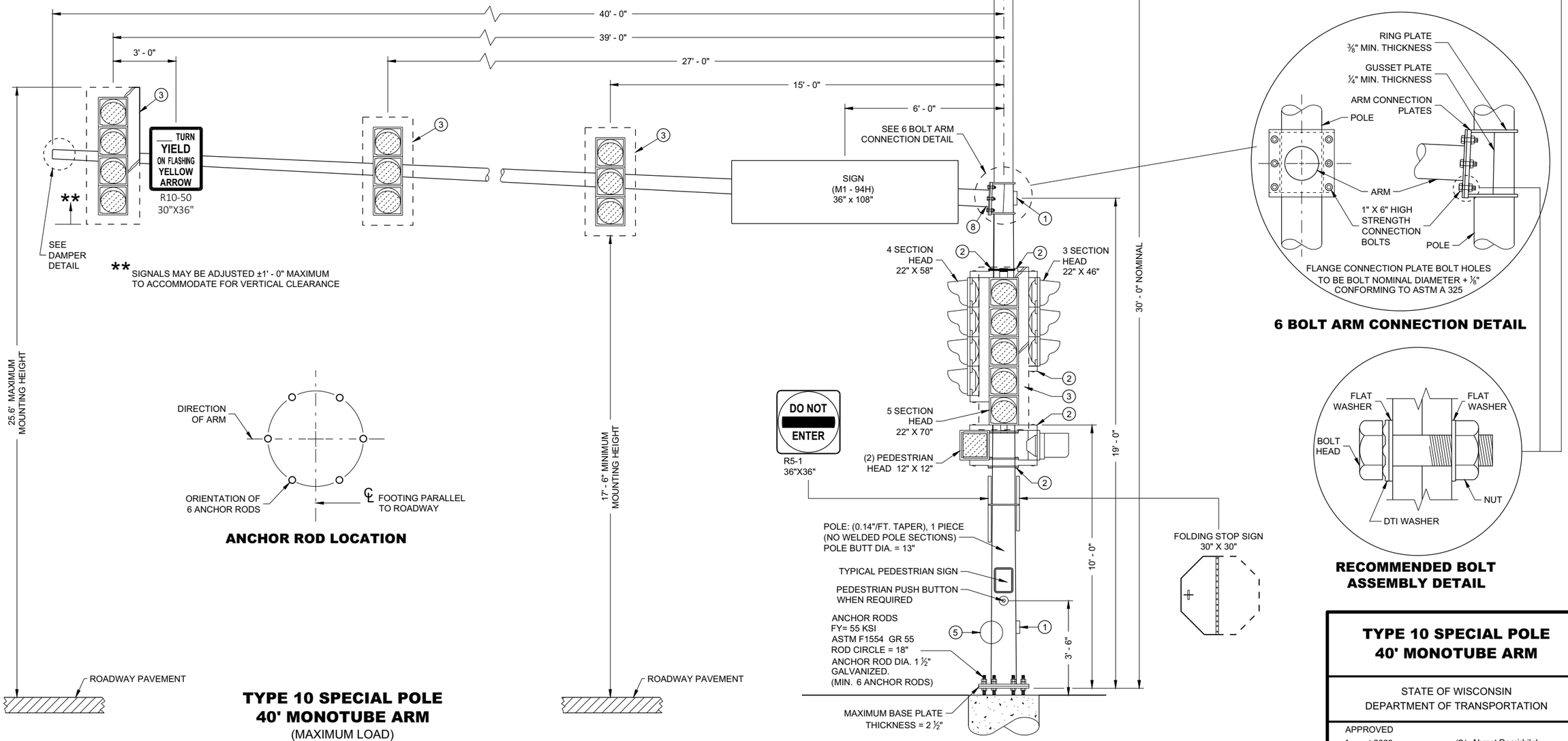
FLAT VIBRATION DAMPER

* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.





FIXED ARM ATTACHMENT DETAIL



TYPE 10 SPECIAL POLE
40' MONOTUBE ARM
(MAXIMUM LOAD)

** SIGNALS MAY BE ADJUSTED ±1' - 0" MAXIMUM TO ACCOMMODATE FOR VERTICAL CLEARANCE

ANCHOR ROD LOCATION

6 BOLT ARM CONNECTION DETAIL

RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
40' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 236

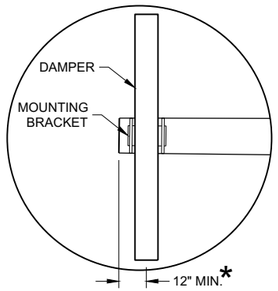
FHWA

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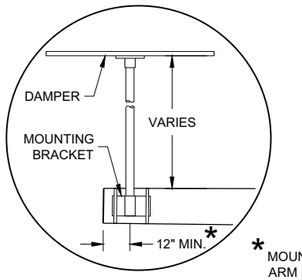
SDD 09E08 - 09g

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SDD 09E08 - 09g

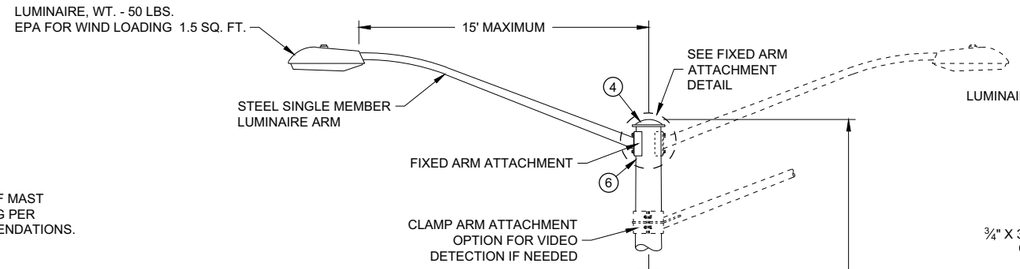


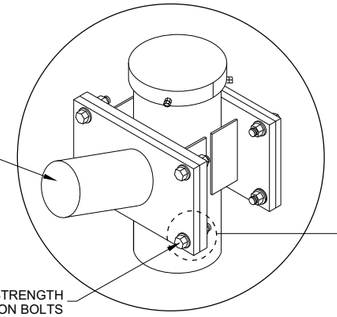
DUMBBELL VIBRATION DAMPER



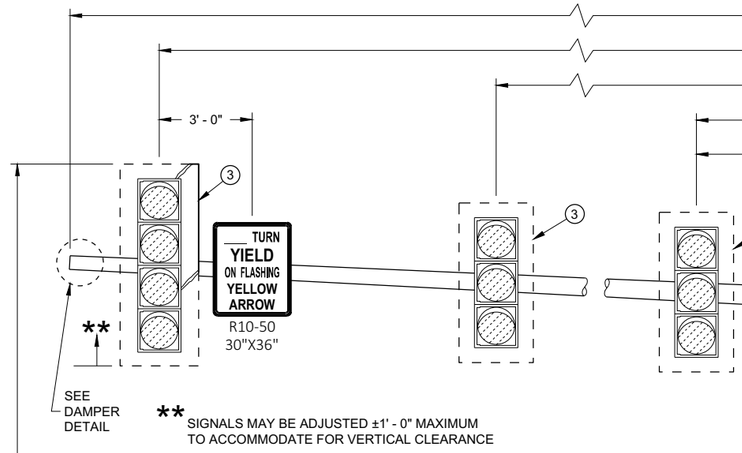
FLAT VIBRATION DAMPER

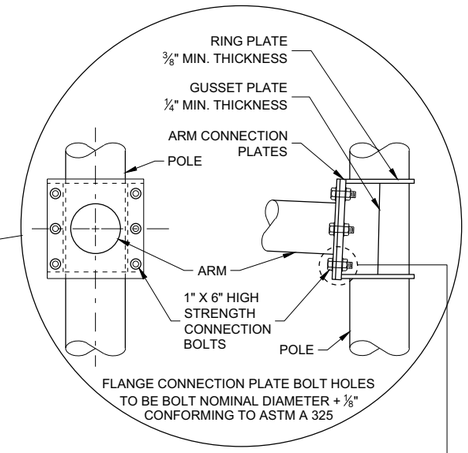
* MOUNT AS CLOSE TO END OF MAST ARM FOR MAXIMUM DAMPING PER MANUFACTURER'S RECOMMENDATIONS.



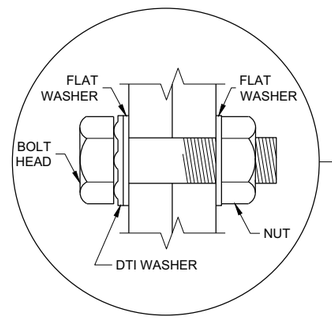


FIXED ARM ATTACHMENT DETAIL

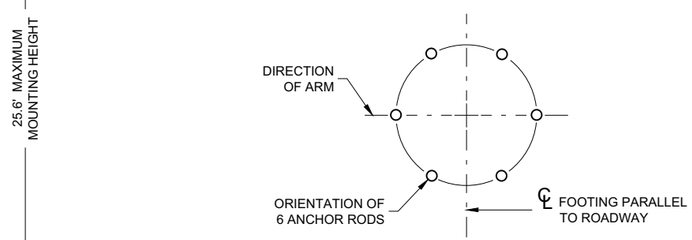




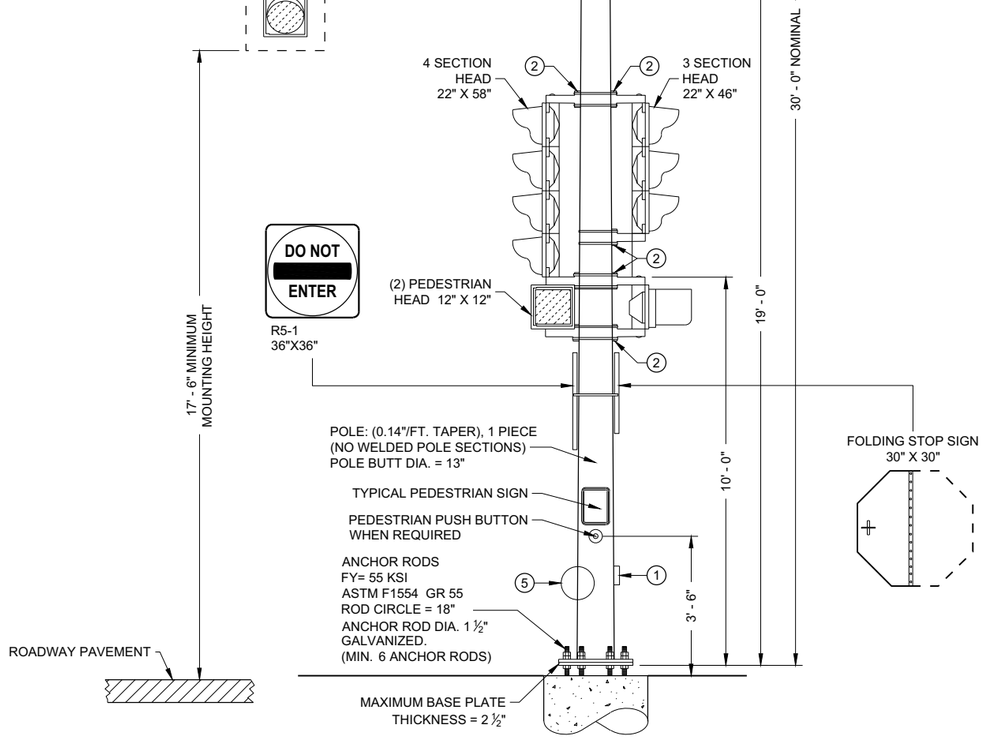
6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION



TYPE 10 SPECIAL POLE
45' MONOTUBE ARM
(MAXIMUM LOAD)

TYPE 10 SPECIAL POLE
45' MONTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2020
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 237

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SDD 09E08 - 08h

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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.

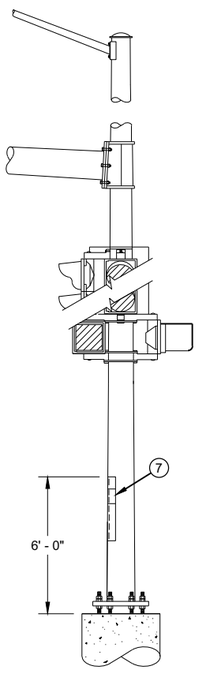
(6) FACTORY WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

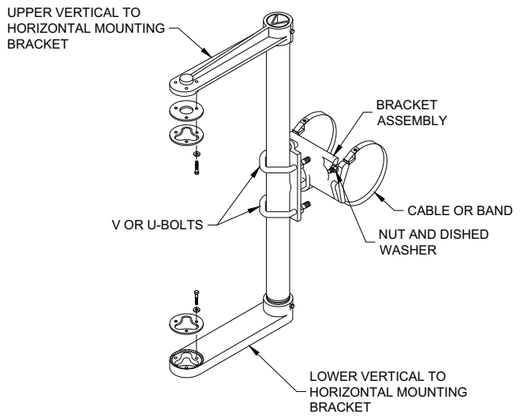
STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

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.

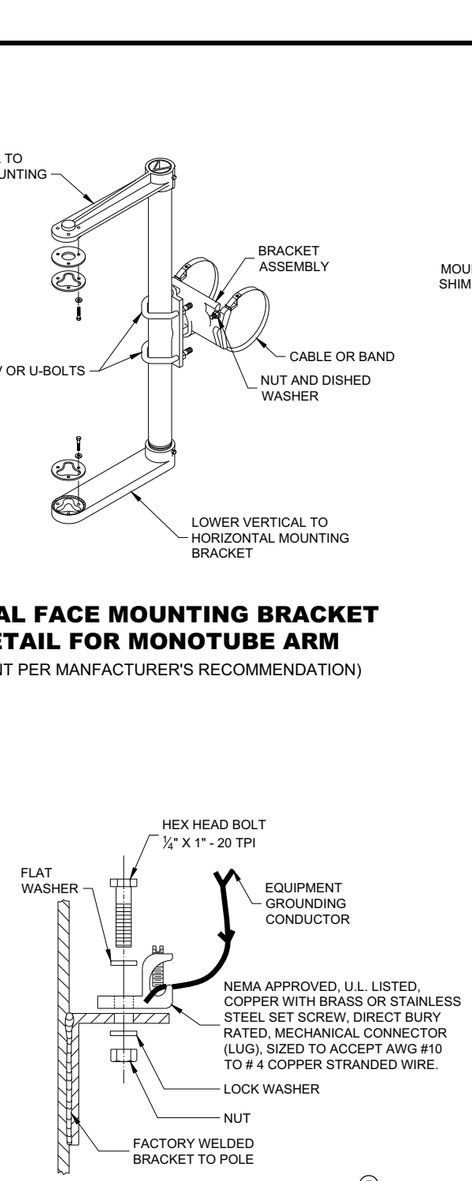


STRUCTURAL IDENTIFICATION PLAQUE PLACEMENT



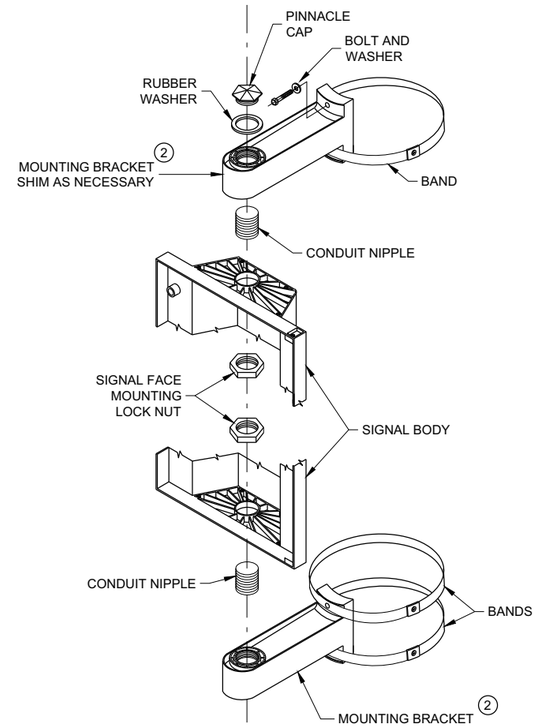
SIGNAL FACE MOUNTING BRACKET DETAIL FOR MONOTUBE ARM

(MOUNT PER MANFACTURER'S RECOMMENDATION)

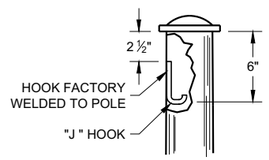


TYPICAL GROUNDING (5) CONNECTIONS

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

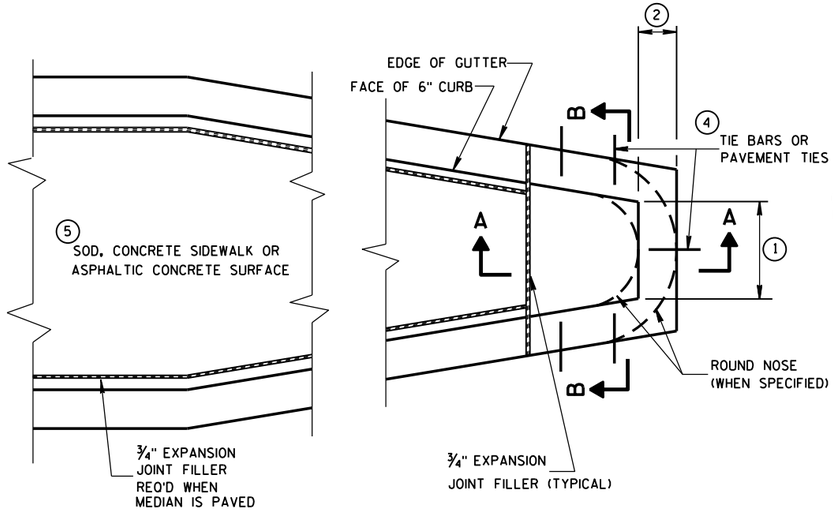
APPROVED
August 2020
DATE

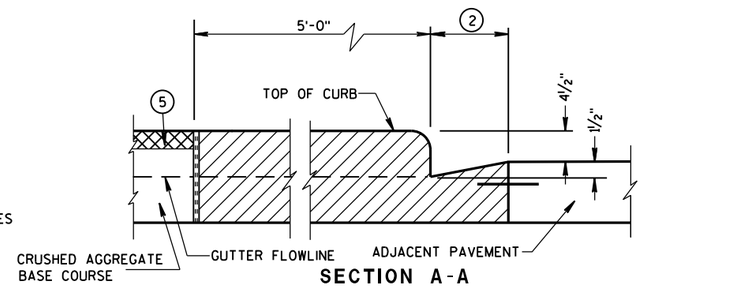
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGINEER

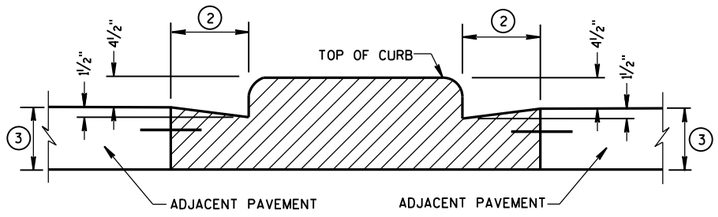
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CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

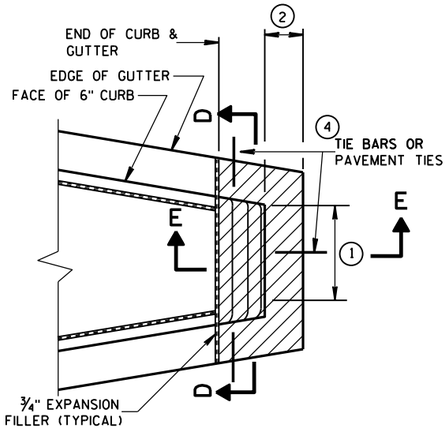
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

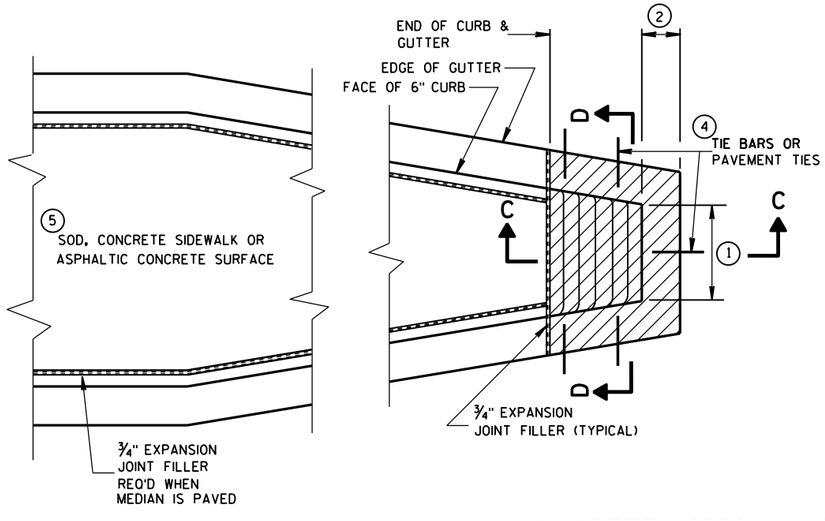
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

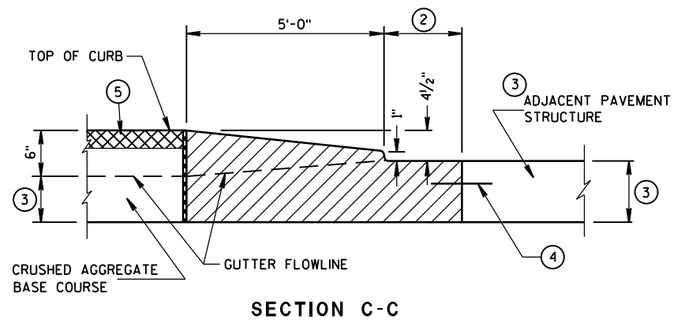
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

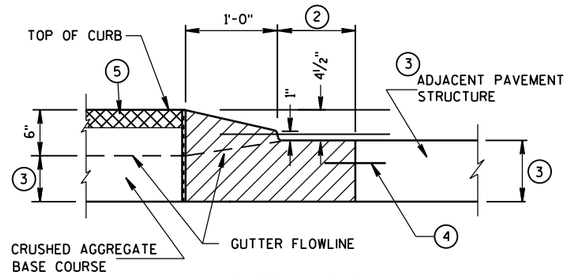
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



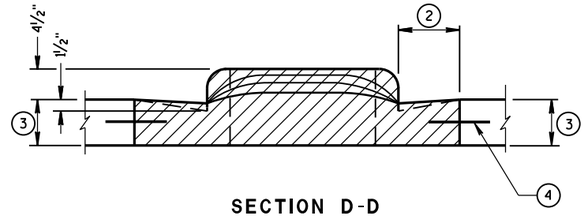






CONCRETE MEDIAN SLOPED NOSE TYPE 2

CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

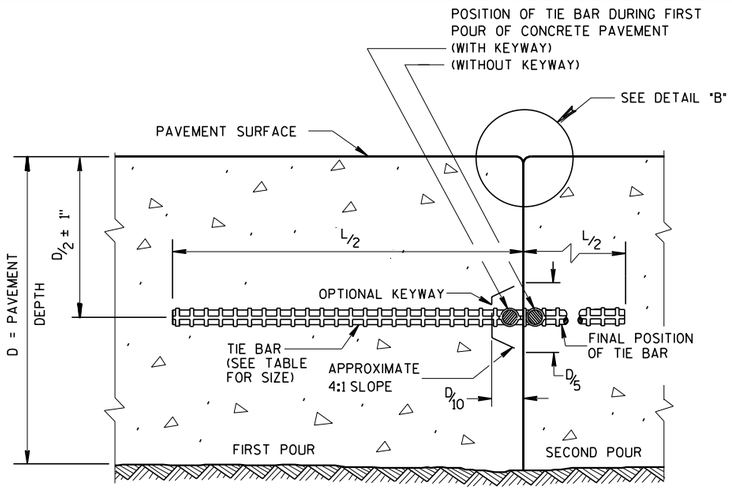
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

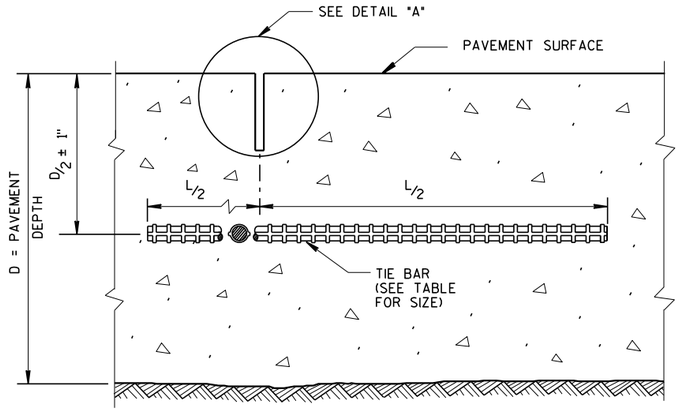
S.D.D. 11 B 2-2

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S.D.D. 11 B 2-2



CONSTRUCTION JOINT



SAWED JOINT

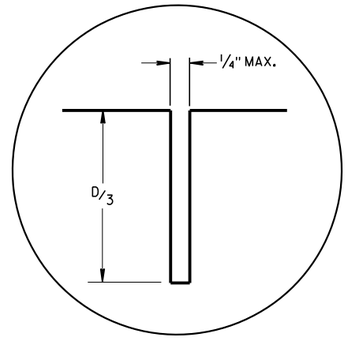
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

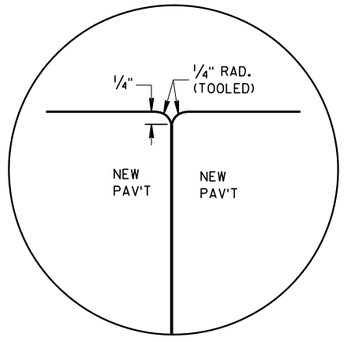
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

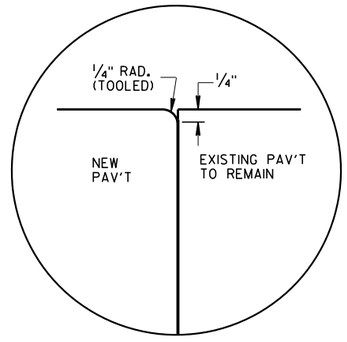
(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.



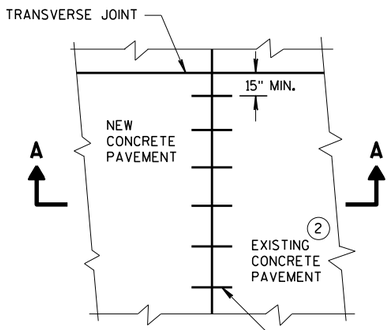
DETAIL "A"



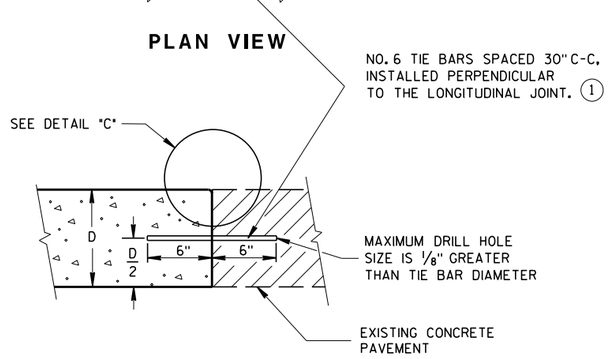
DETAIL "B"



DETAIL "C"



PLAN VIEW



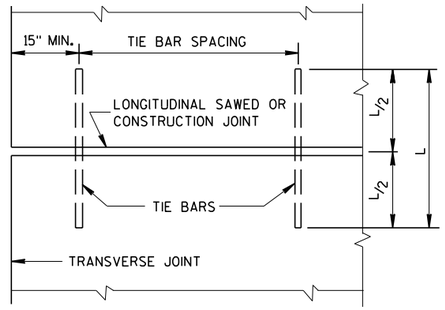
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

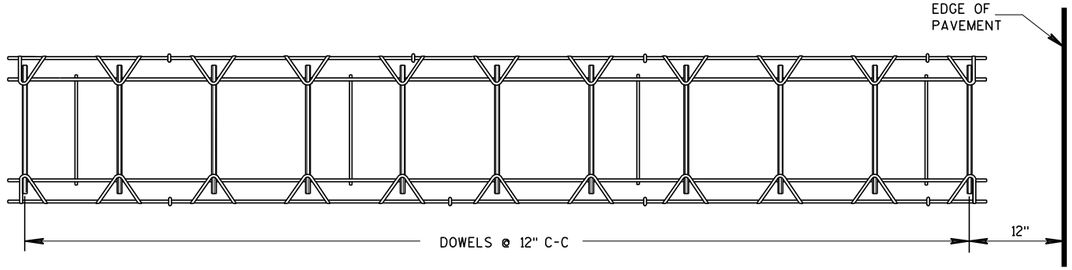
APPROVED
March 2018 — DATE
/S/ Peter Kemp PE — PAVEMENT SUPE
FHWA

6

S.D.D. 13 C 1-19

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S.D.D. 13 C 1-19



PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

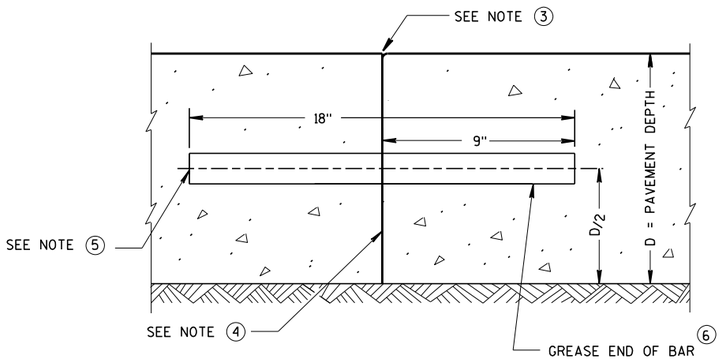
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

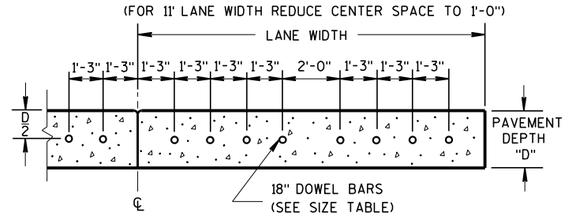
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

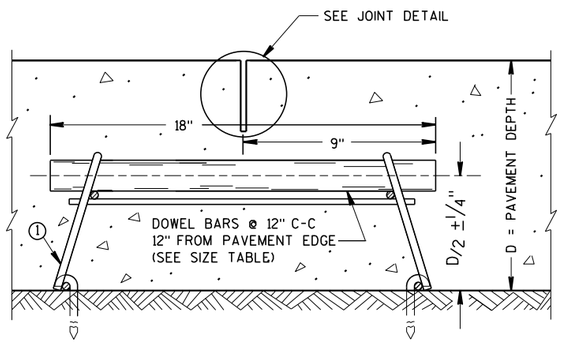
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



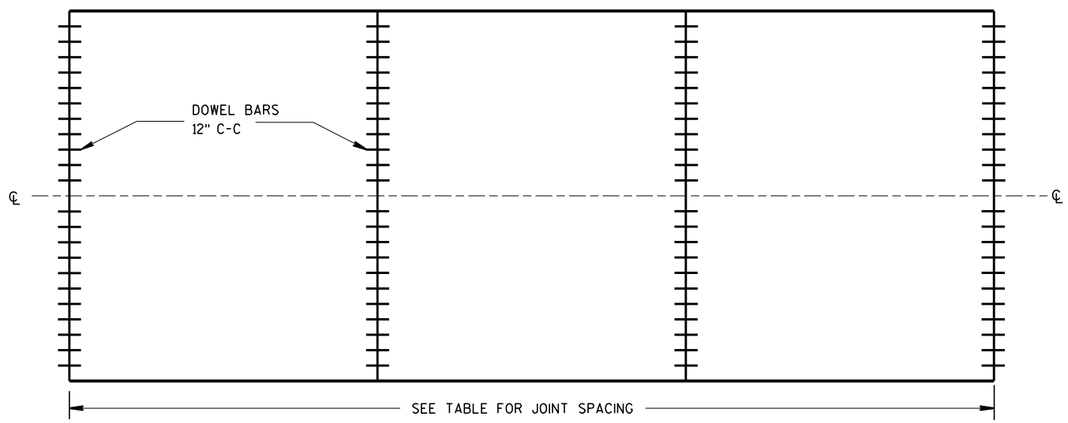
TRANSVERSE CONSTRUCTION JOINT



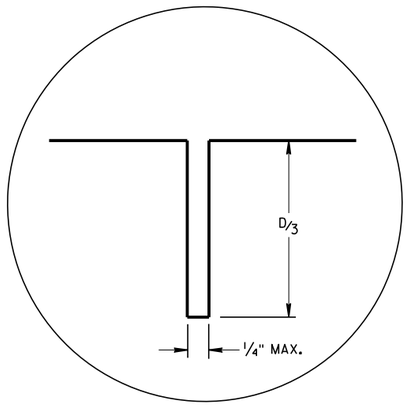
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
FHWA

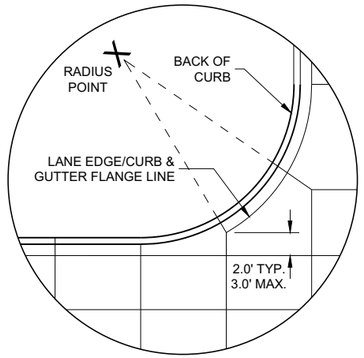
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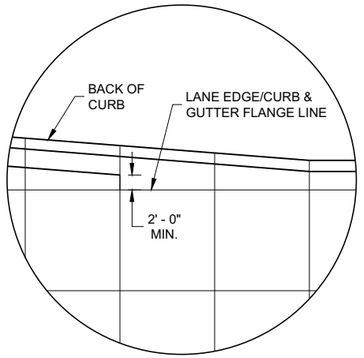
S.D.D. 13 C 13-9

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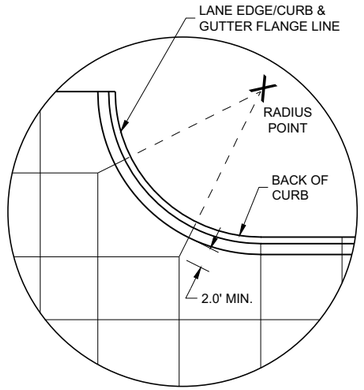
S.D.D. 13 C 13-9



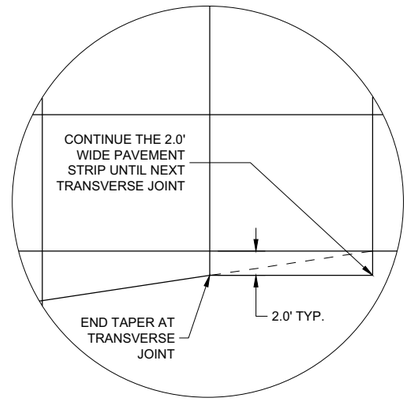
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

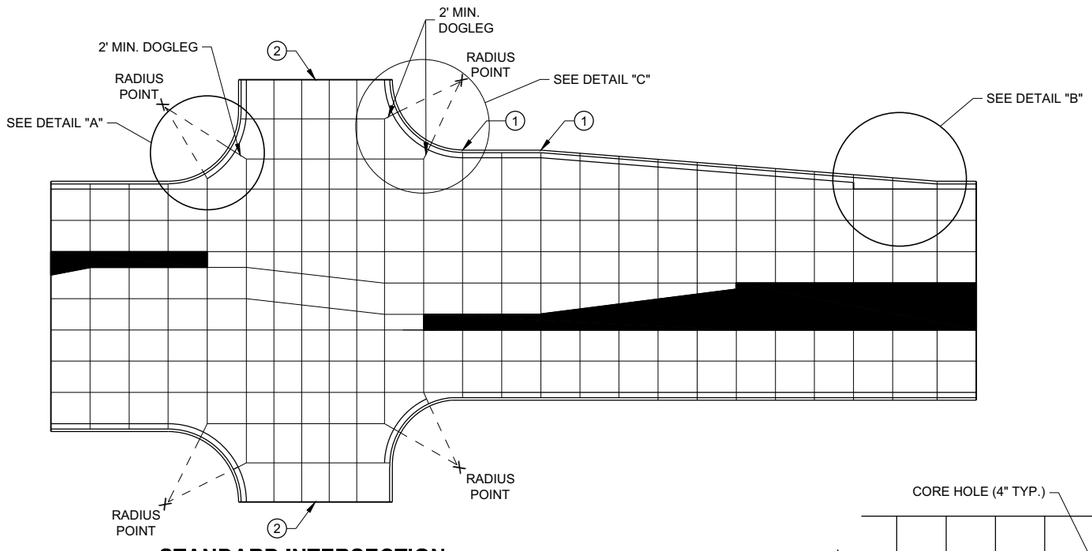
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

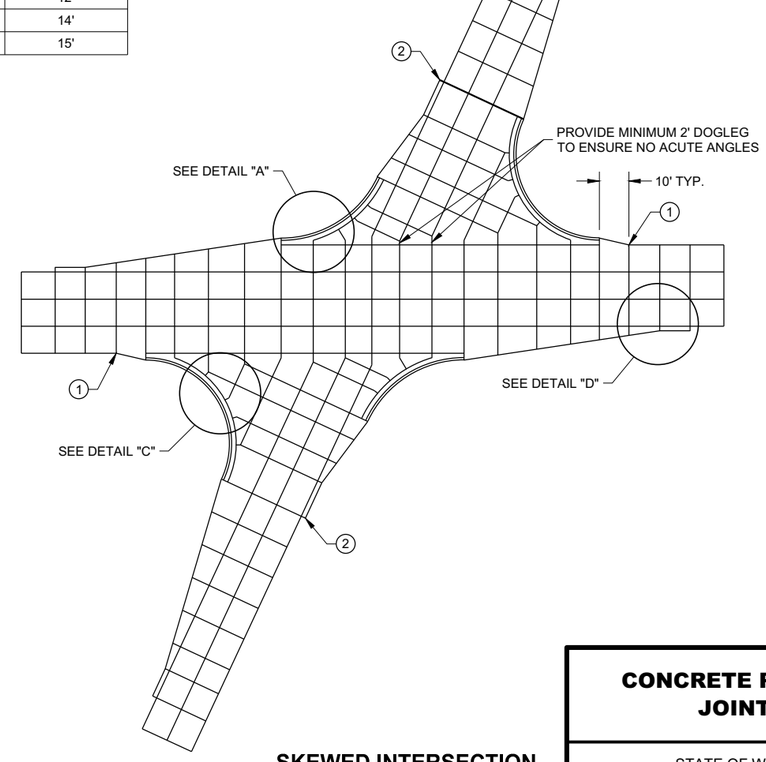
(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



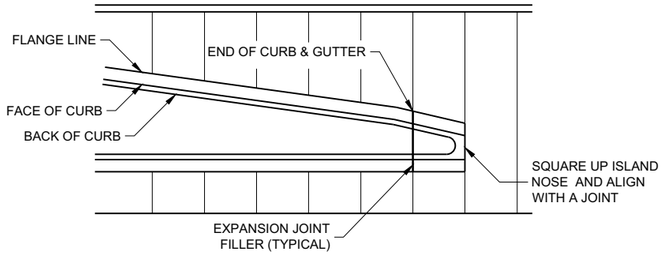
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

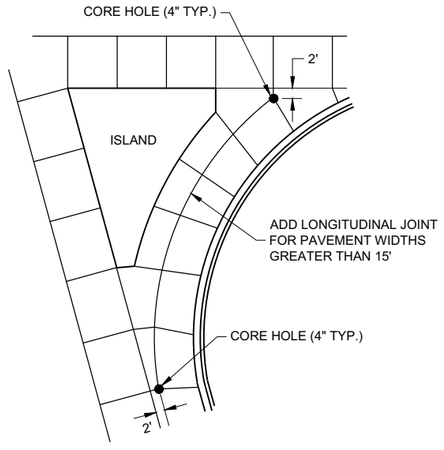
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'



SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07a

6

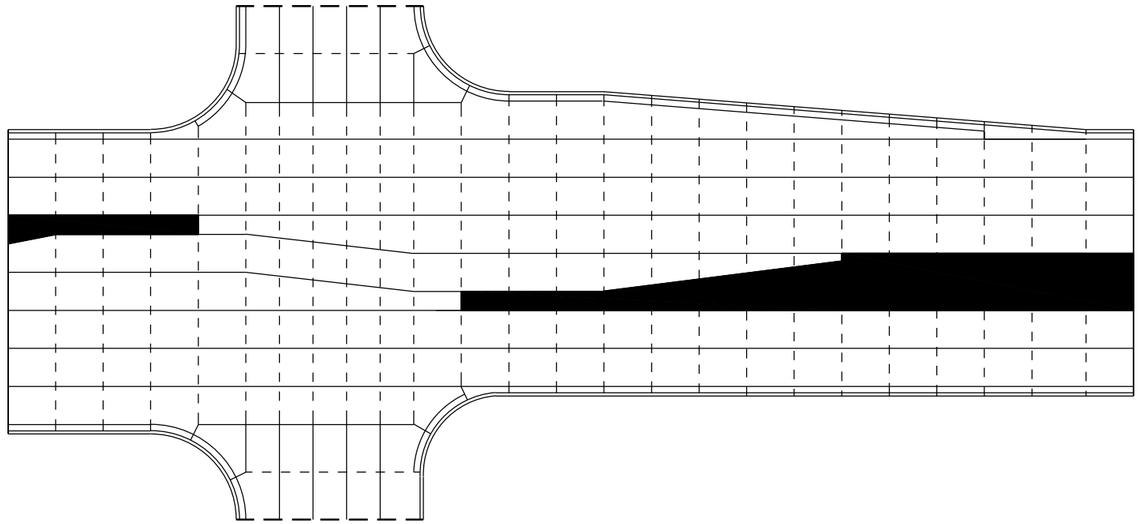
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

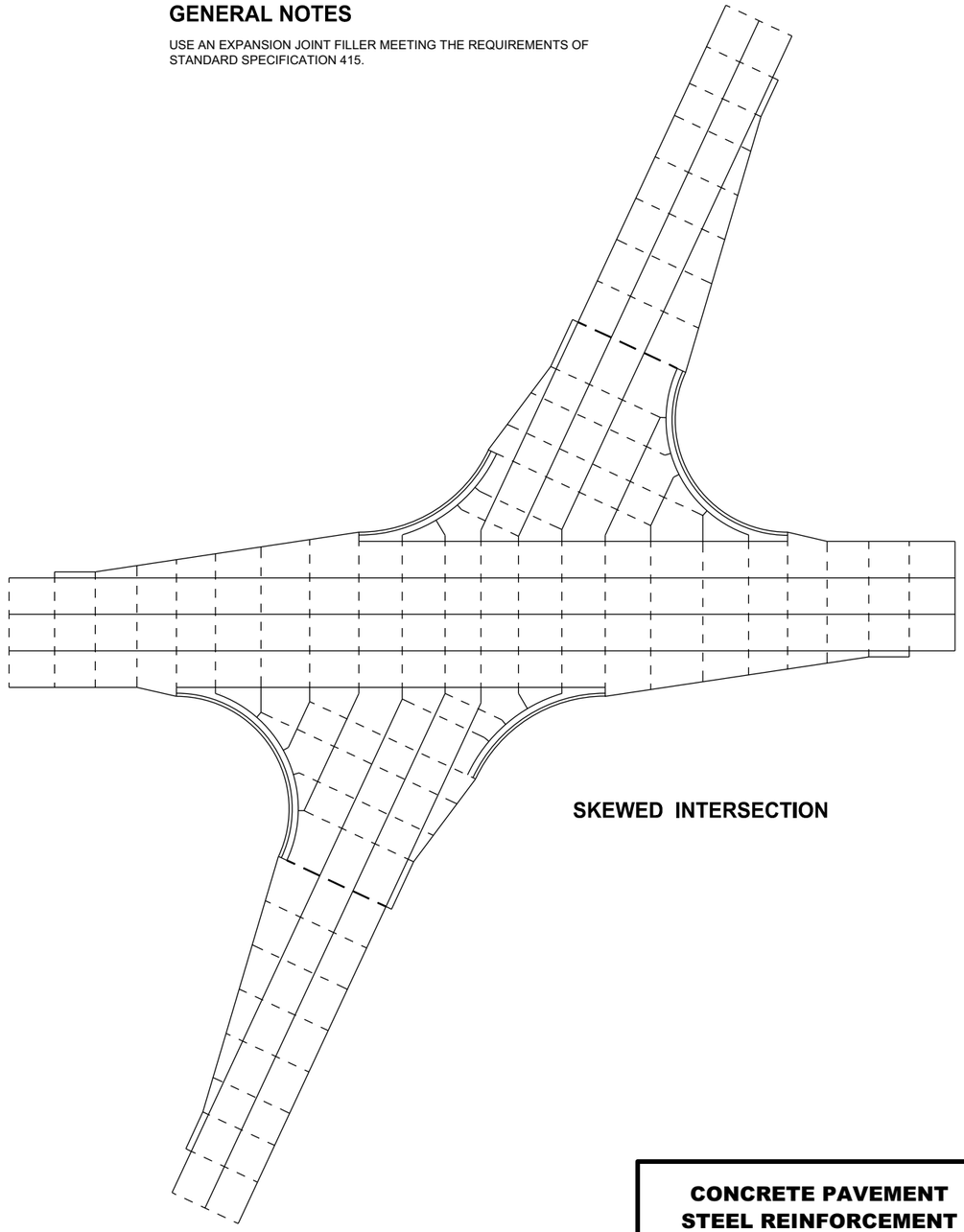
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

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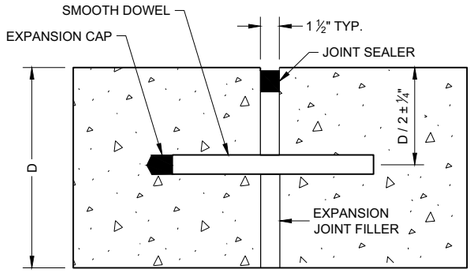
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

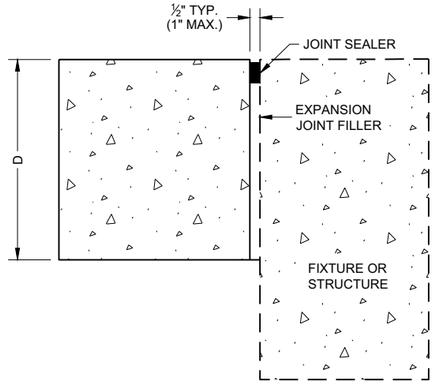
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

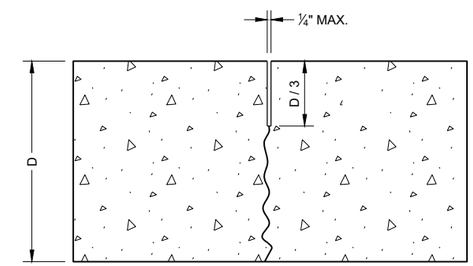
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

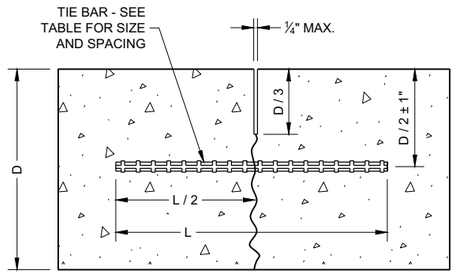
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

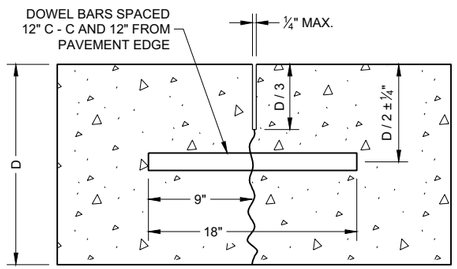
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

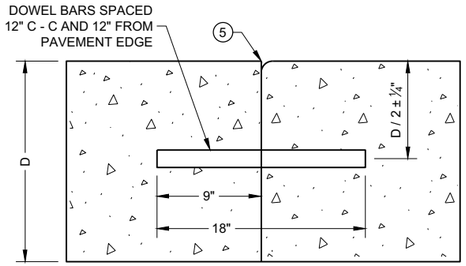


TIED LONGITUDINAL

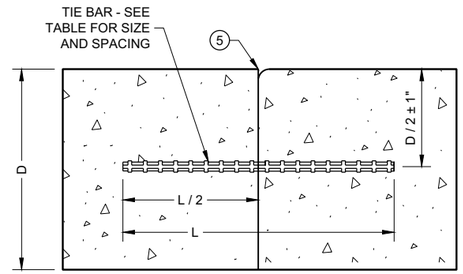


DOWELED TRANSVERSE

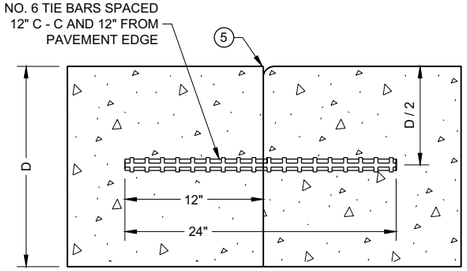
CONTRACTION JOINTS (2)



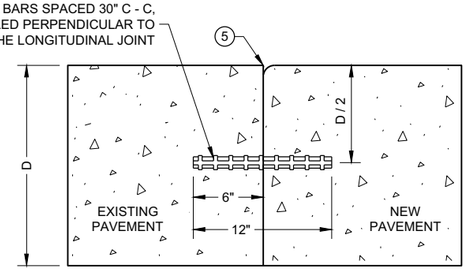
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

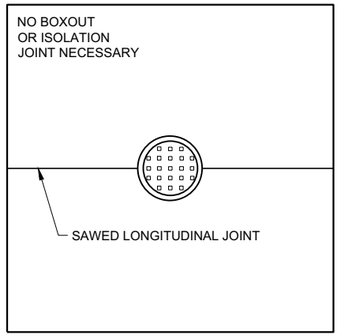
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

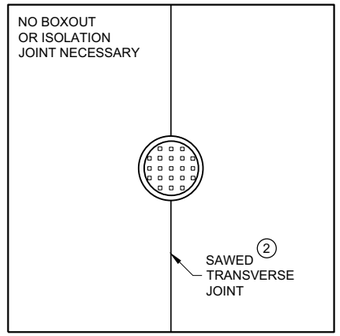
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

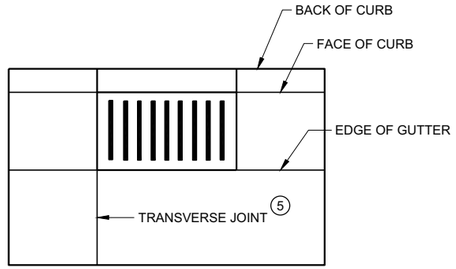
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



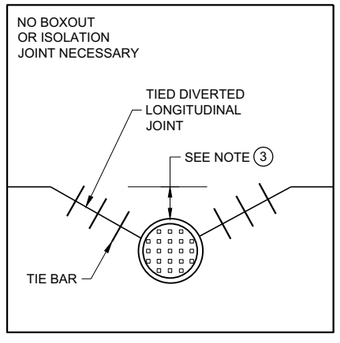
MANHOLE WITH TRANSVERSE JOINT



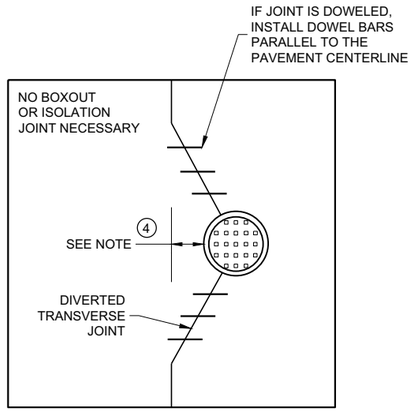
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

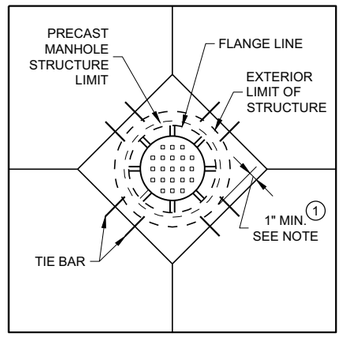
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

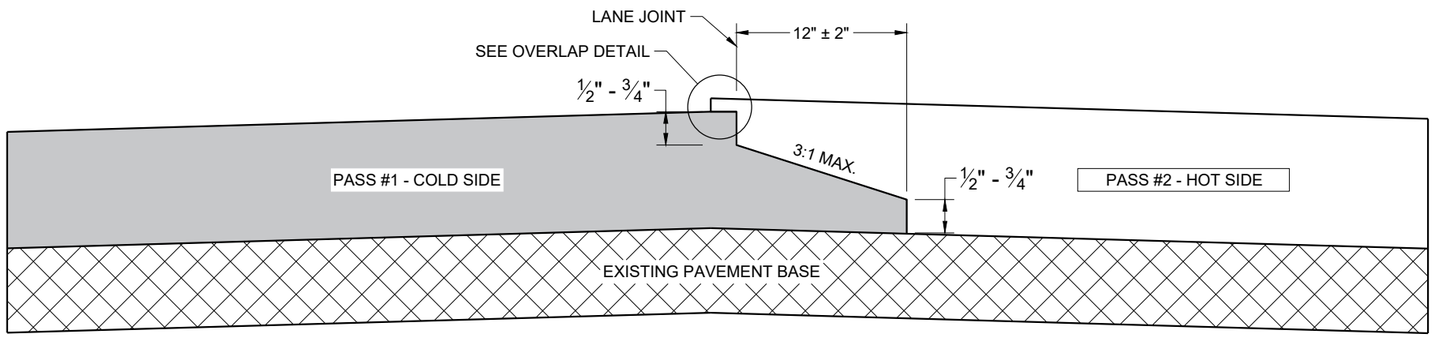
FHWA

6

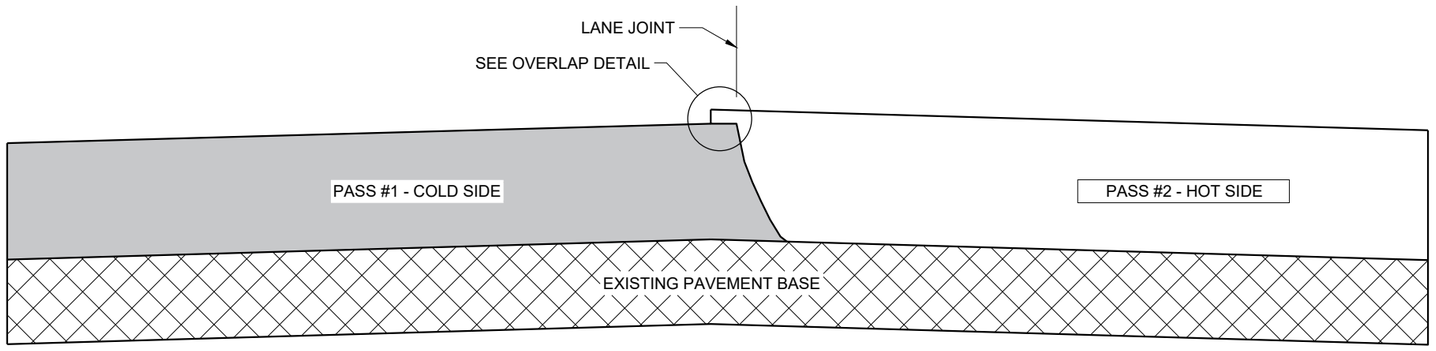
SDD 13C18 - 07d

6

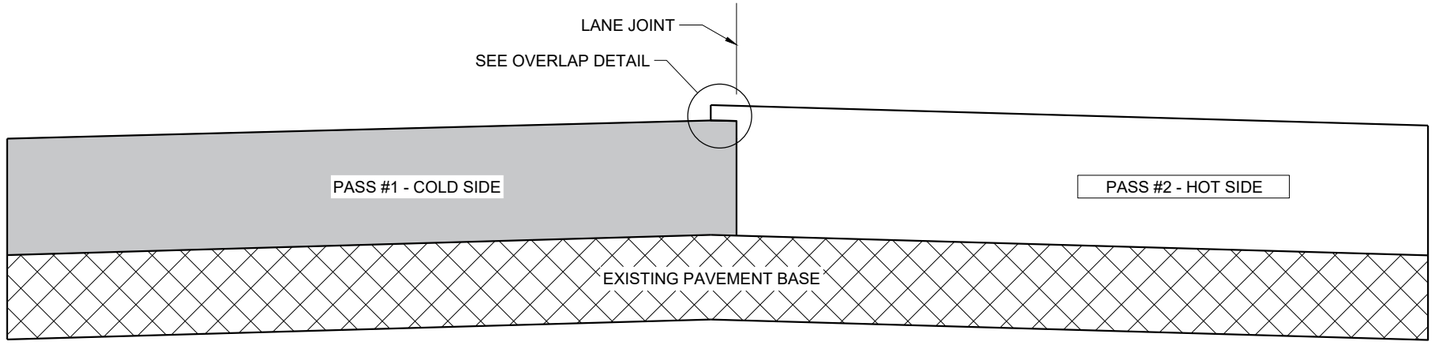
SDD 13C18 - 07d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

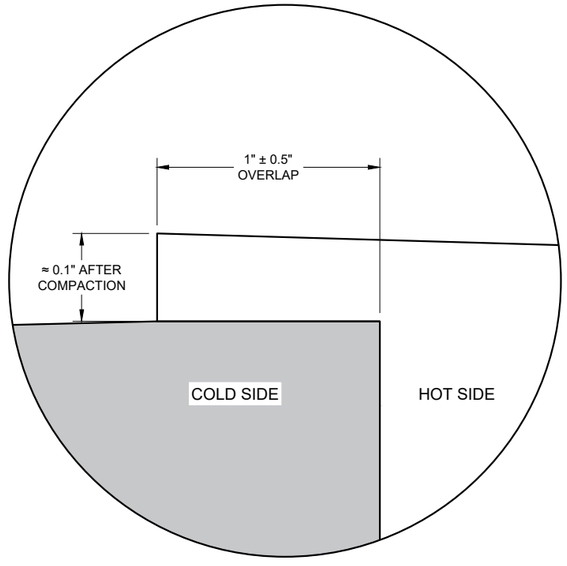
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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

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

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



OVERLAP DETAIL (TYPICAL)

6

6

SDD 13C19 - 03

SDD 13C19 - 03

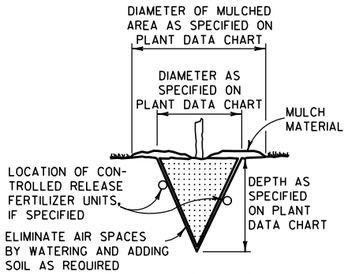
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

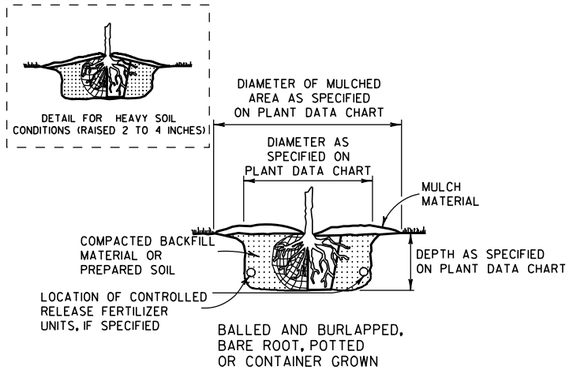
APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

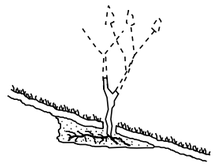
FHWA



MACHINE MOVED

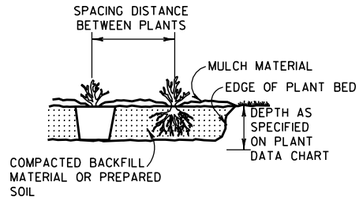


BALLED AND BURLAPPED, BARE ROOT, POTTED OR CONTAINER GROWN



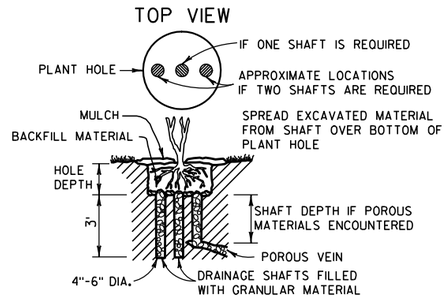
ACCOMMODATE ROOTS (SMOOTH AND STAGHORN SUMAC)

NOTE:
1) ENGINEER SHALL REQUIRE 3 SLITS IN POT TO SPEED DETERIORATION
2) METAL, PLASTIC OR OTHER NONDEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



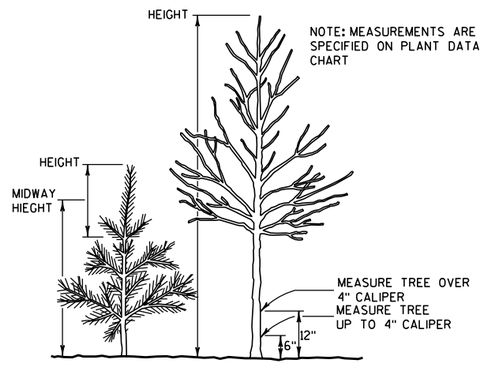
PREPARED BED (BARE ROOT AND POTTED)

PLANTING

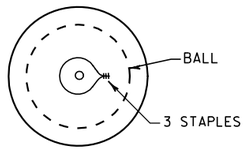


NOTE:
DRAINAGE SHAFT AS SPECIFIED ON PLANT DATA CHART

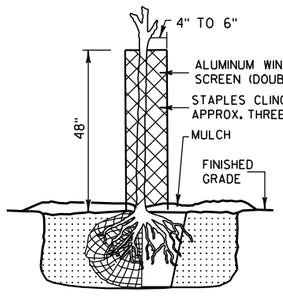
DRAINING



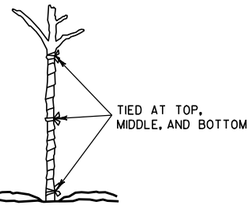
MEASURING



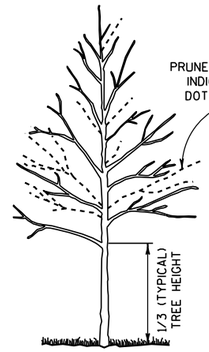
TOP VIEW



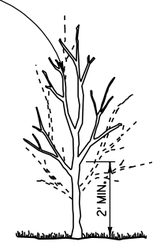
RODENT PROTECTION



WRAPPING



TALL DECIDUOUS TREES (ASH, MAPLE, LINDEN, OAK)



SINGLE STEMMED LOW DECIDUOUS TREES (CRABS AND OTHER SINGLE STEM TYPE)



MULTI-STEMMED LOW DECIDUOUS TREES OR LARGE SHRUBS (HAWTHORN, SERVICEBERRY)

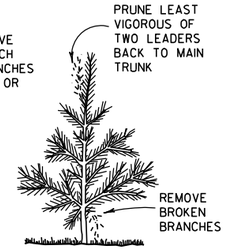
NOTE: WHEN PRUNING, PRESERVE CHARACTER AND SHAPE OF TREE. AVOID LEAVING STUBS - REMOVE BRANCH OR TWIG BACK TO THE NEAREST CROTCH
1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES
2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES



SHRUBS (GRAY DOGWOOD ARROWWOOD VIBURNUM)

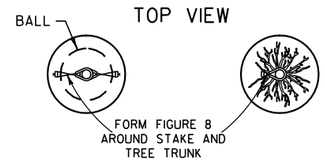


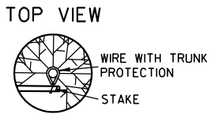
SUMAC

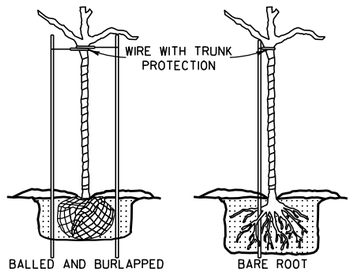


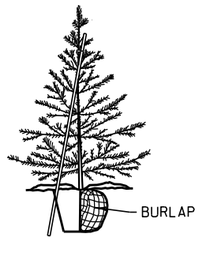
TREE TYPE EVERGREENS (PINE, SPRUCE, FIR) EVERGREENS USUALLY ARE NOT PRUNED

PRUNING



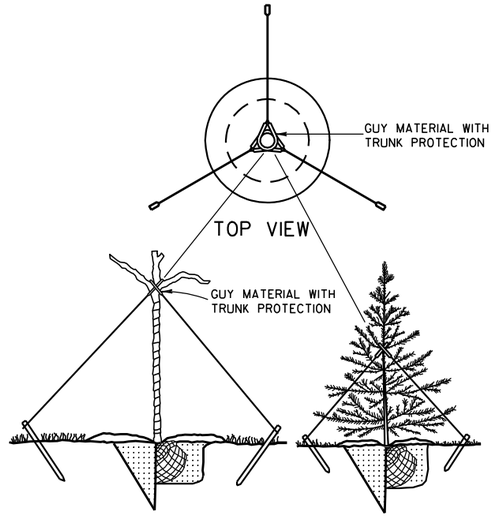






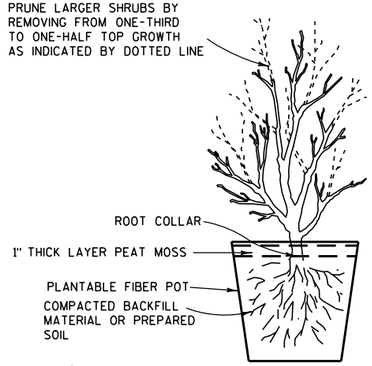
NOTE: BRACING STAKE
1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES.
2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT.
3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE; AND
4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.

BRACING



GUYING

PRUNE LARGER SHRUBS BY REMOVING FROM ONE-THIRD TO ONE-HALF TOP GROWTH AS INDICATED BY DOTTED LINE



POTTING

NOTES

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

BRACING, WRAPPING, GUYING, RODENT PROTECTION, FERTILIZER AND MULCH SHALL BE USED ONLY WHEN SPECIFIED ON THE PLANT DATA CHART (PART OF PLAN) OR SPECIAL PROVISIONS.

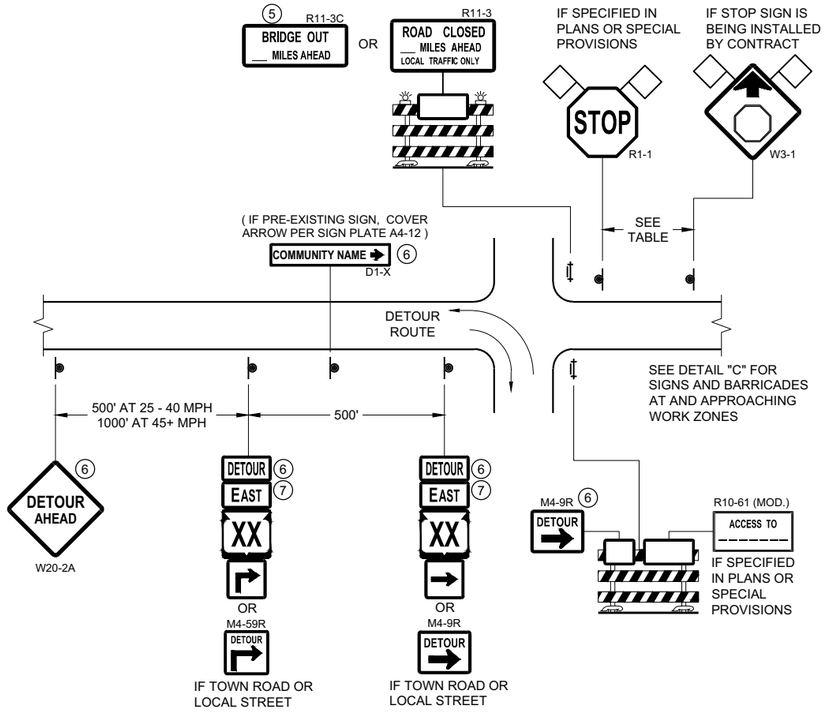
TREE PLANTING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/11/94
DATE
/S/ Rory L. Rhinesmith
CHIEF METHODS DEVELOPMENT ENGINEER
FHWA

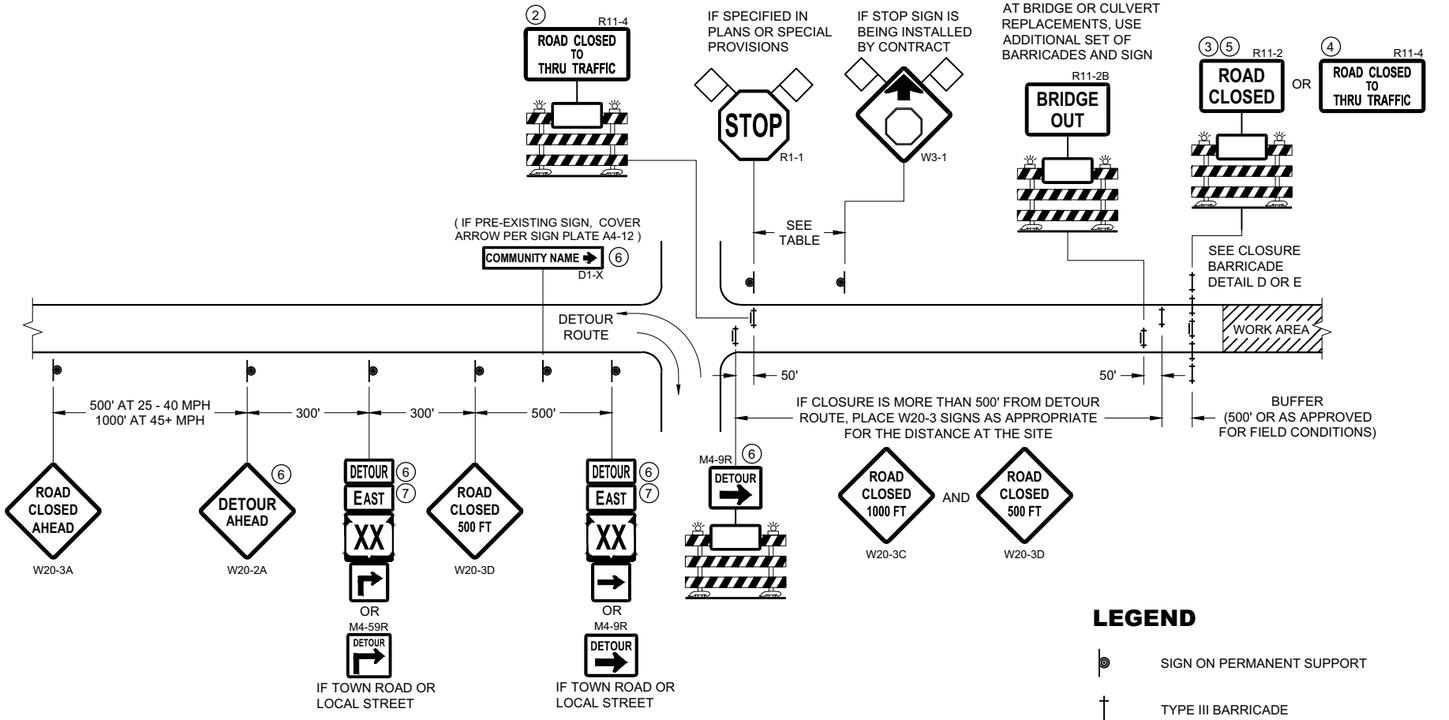
6

S.D.D. 14 A 2-1



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)

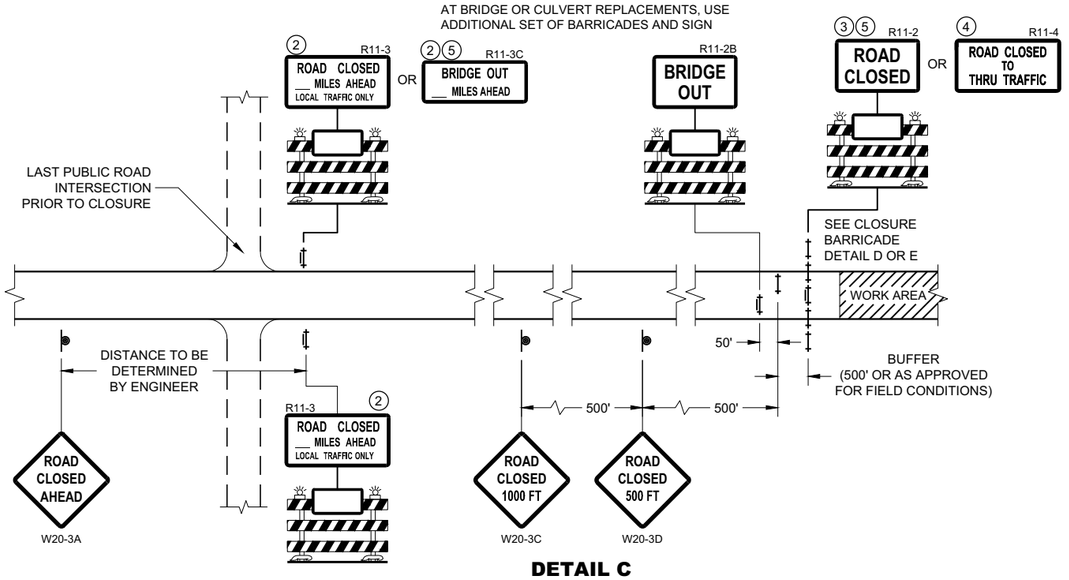
SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

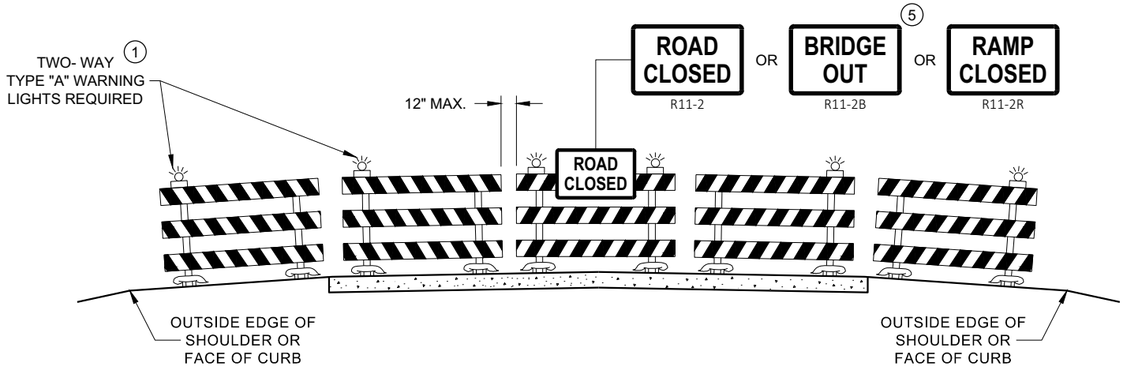
APPROVED
February 2020
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

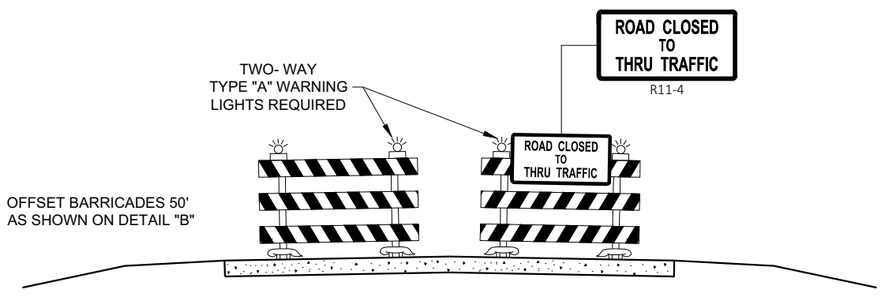
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SDD 15C02 - 08a

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

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR / EAST — M4 - 8, M3 - X
- XX — M1 - 4
- OR XX — M1 - 6
- OR COUNTY X — M1 - 5A
- M05 - 1
- OR M06 - 1
- OR M06 - 1

GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

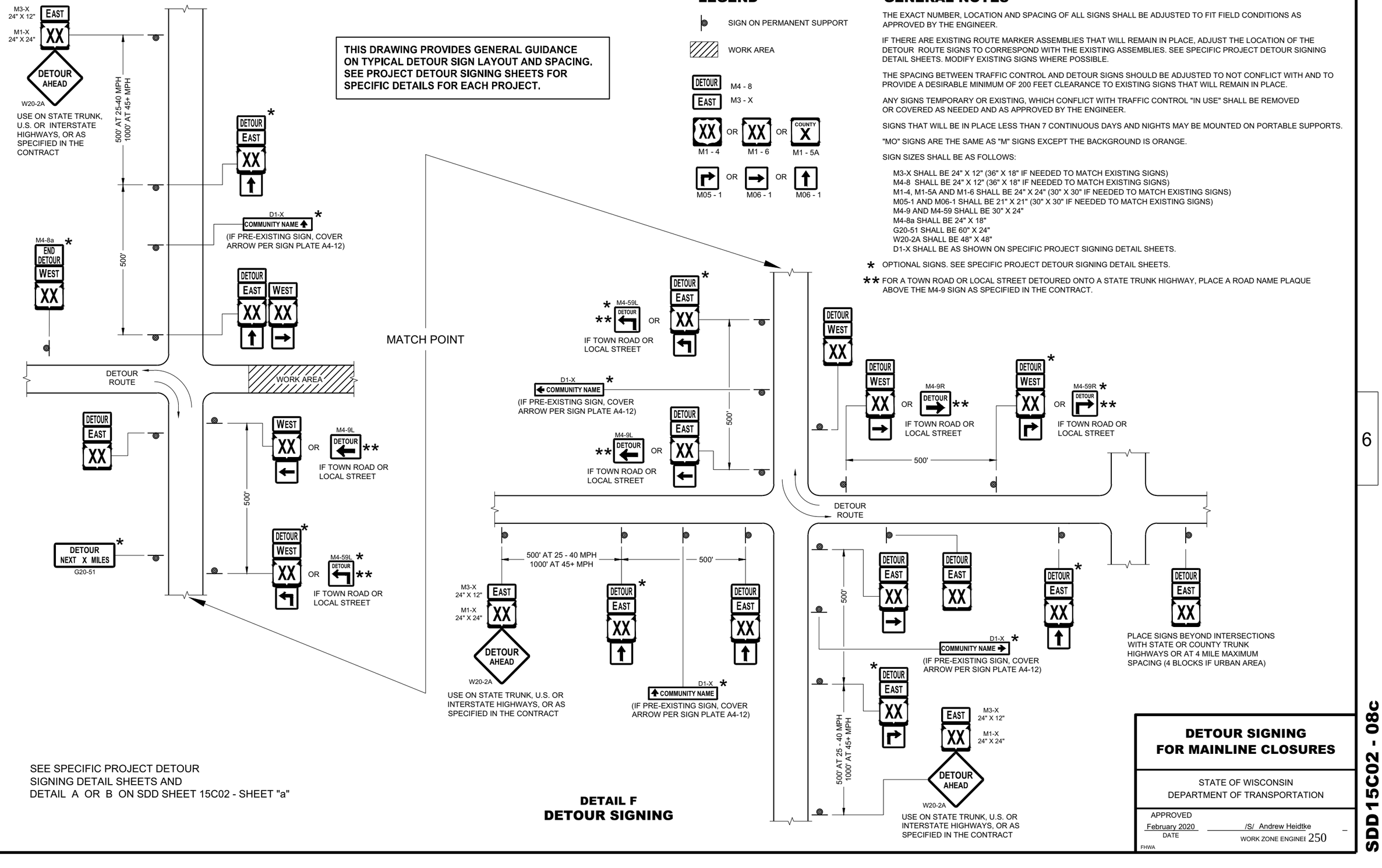
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
M4-9 AND M4-59 SHALL BE 30" X 24"
M4-8a SHALL BE 24" X 18"
G20-51 SHALL BE 60" X 24"
W20-2A SHALL BE 48" X 48"
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

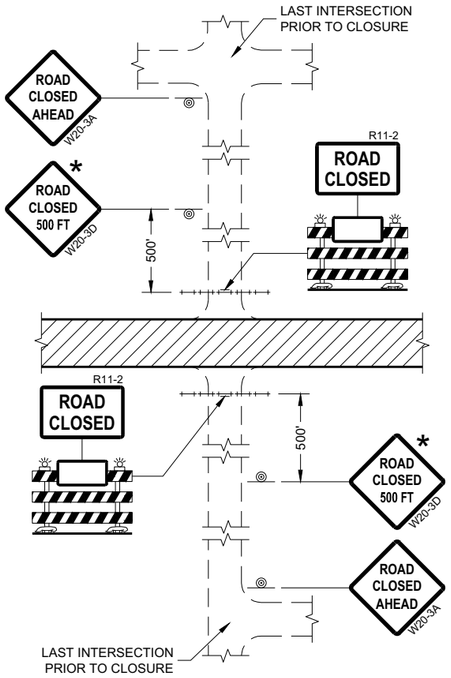
APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

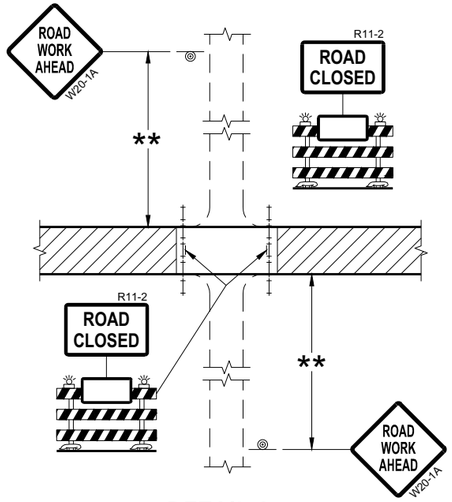
FHWA

SDD 15C02 - 08c

6



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.

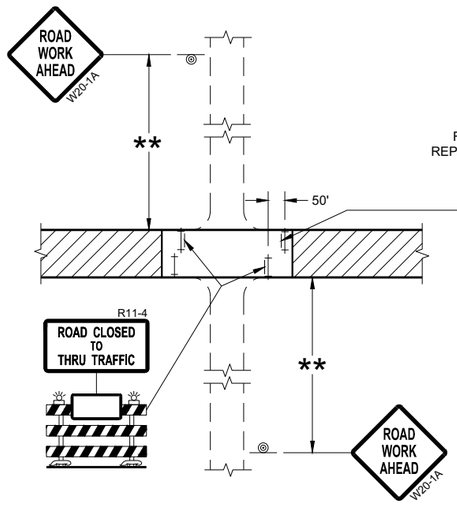
TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

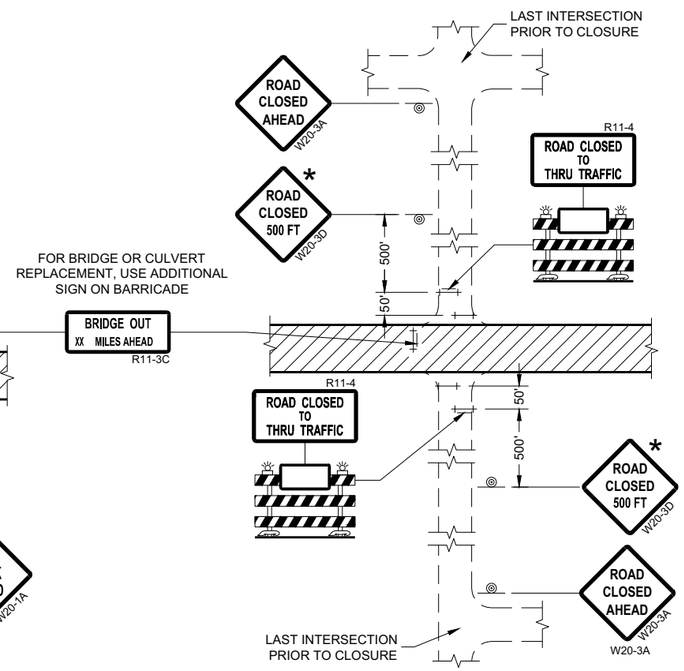
THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

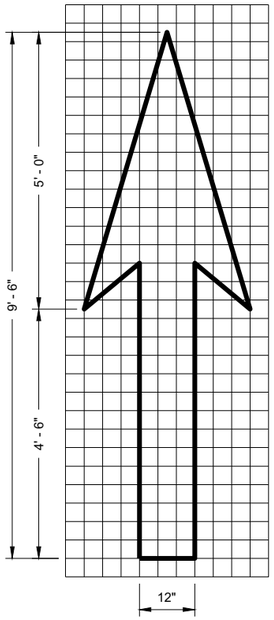
APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

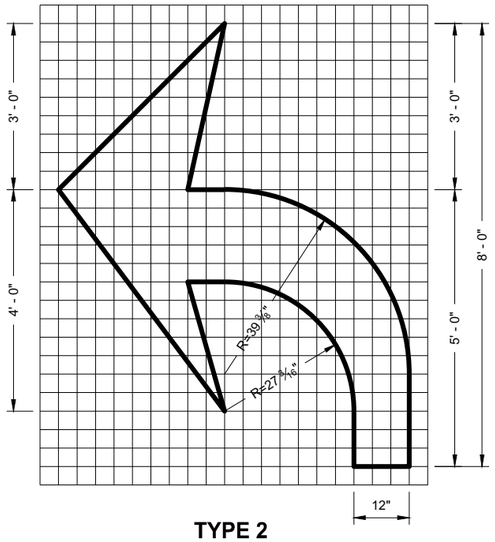
FHWA

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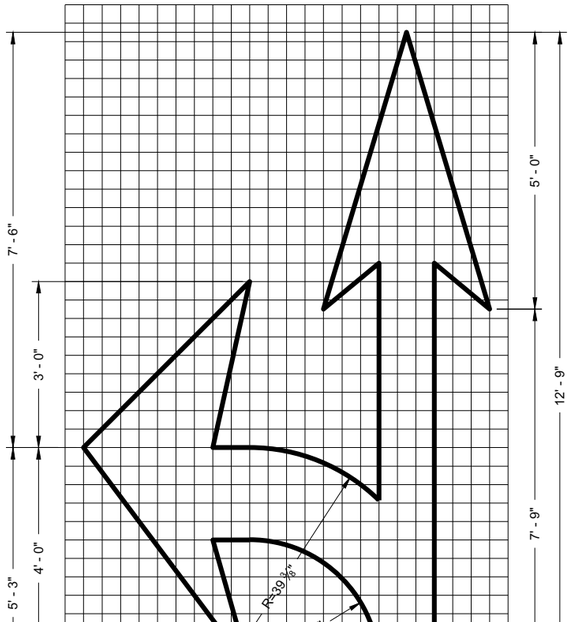
SDD 15C03 - 05



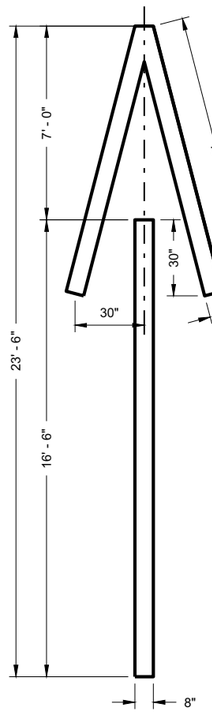
TYPE 1



TYPE 2



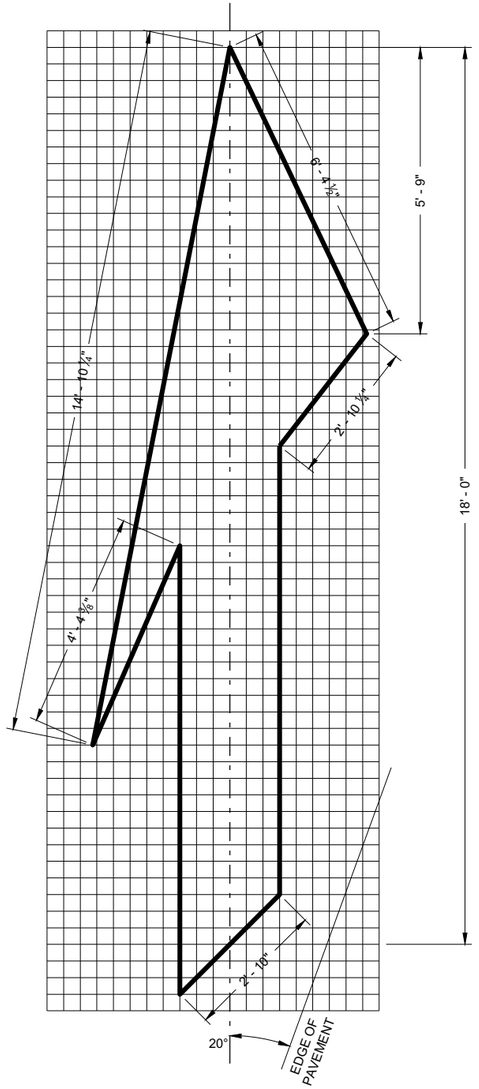
TYPE 3



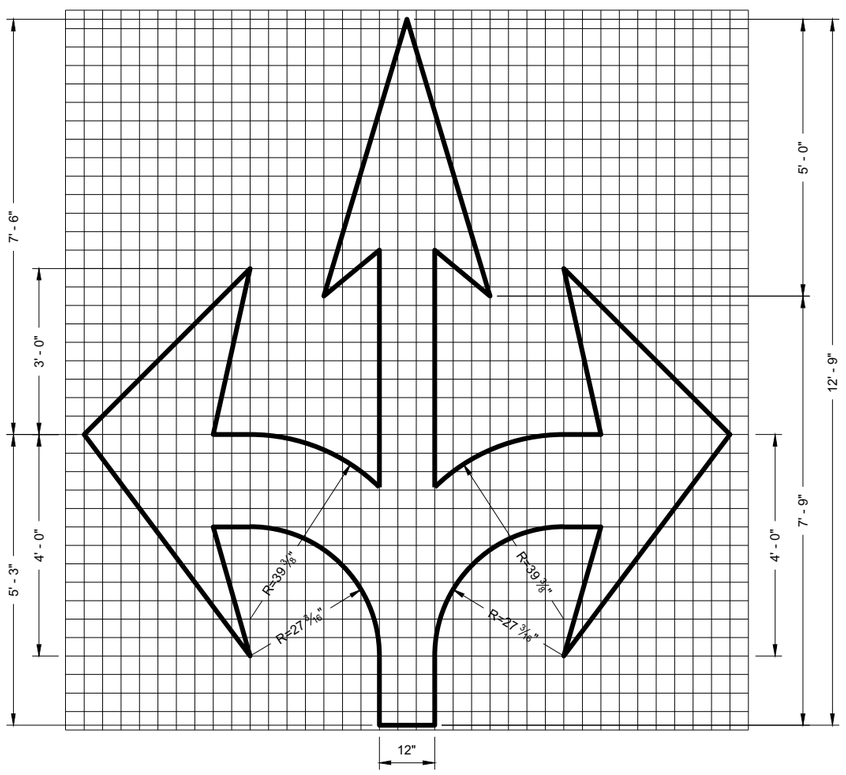
TYPE 4

GENERAL NOTES

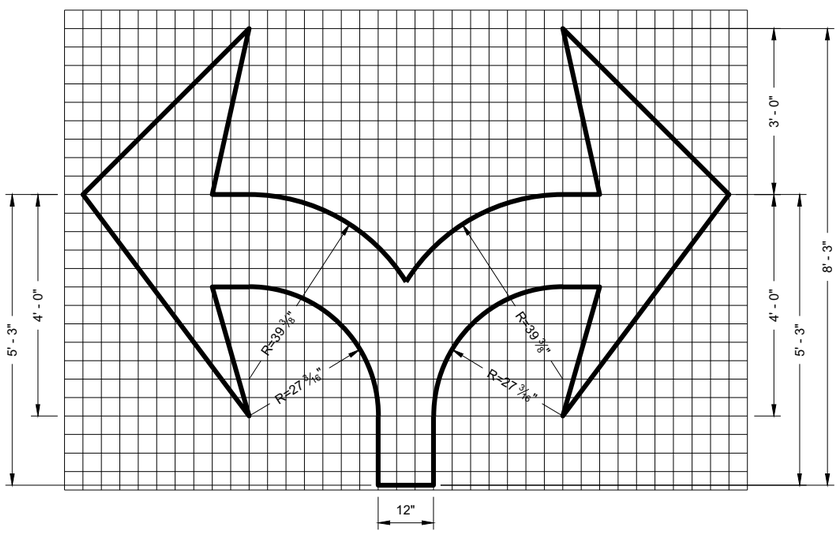
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



TYPE 5 LANE DROP ARROW



TYPE 6



TYPE 7

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

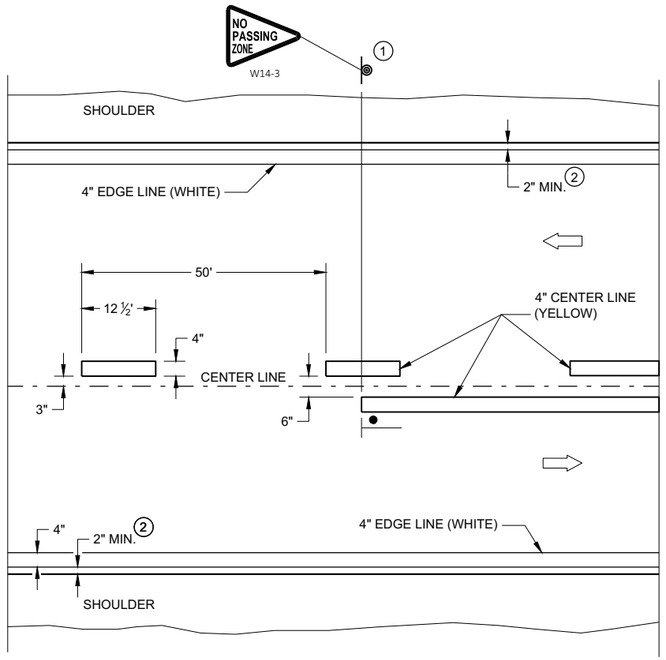
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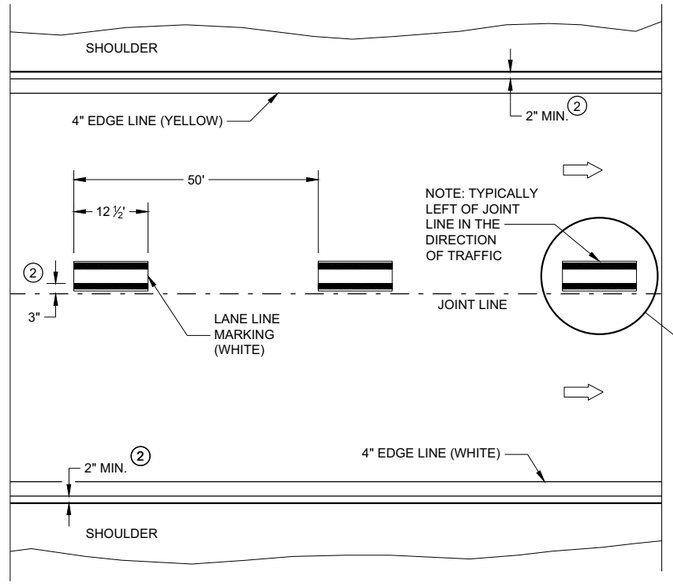
SDD 15C07 - 15c

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SDD 15C07 - 15c

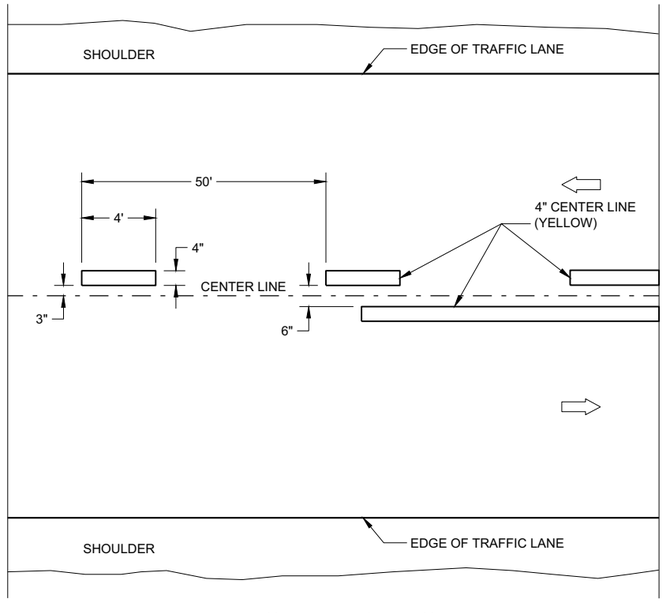


TWO WAY TRAFFIC

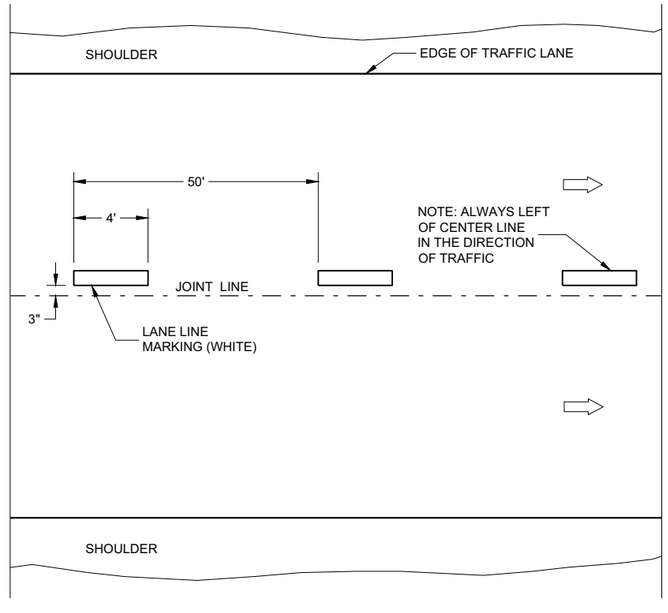


ONE WAY TRAFFIC

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.

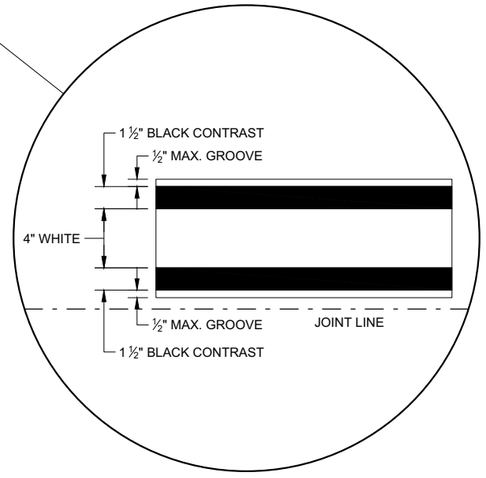
1. LOCATE THE NO PASSING ZONE W14-3 SIGN WITH 50 FEET OF THE "T" MARKING
2. MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

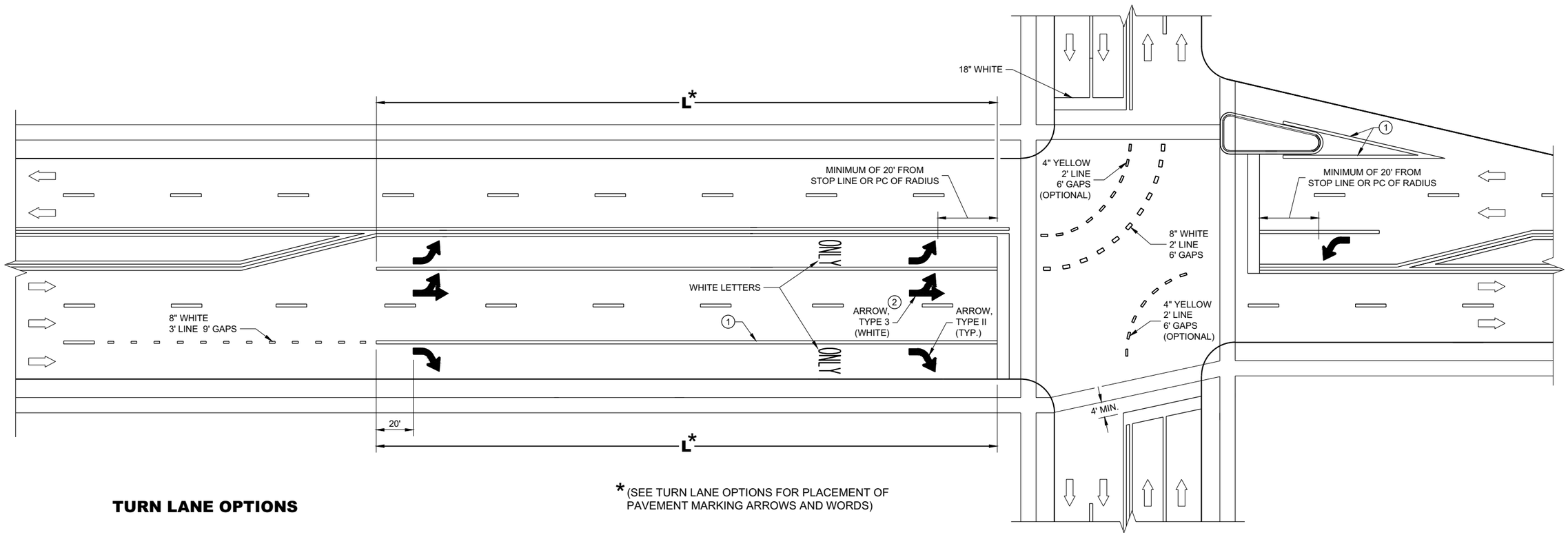
APPROVED
February 2020
DATE

/S/ Matthew Rauch
STATEWIDE SIGNING AND M ENGINEER

FHWA

SDD 15C08 - 20a

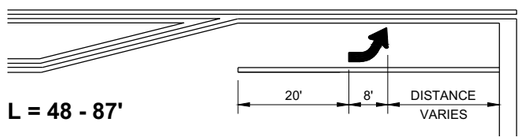
SDD 15C08 - 20a



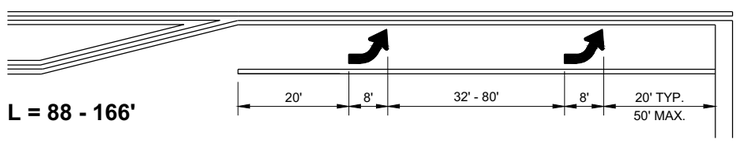
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

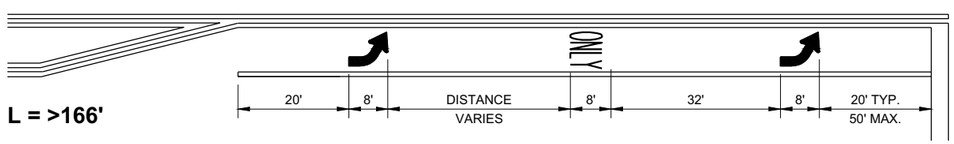
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



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

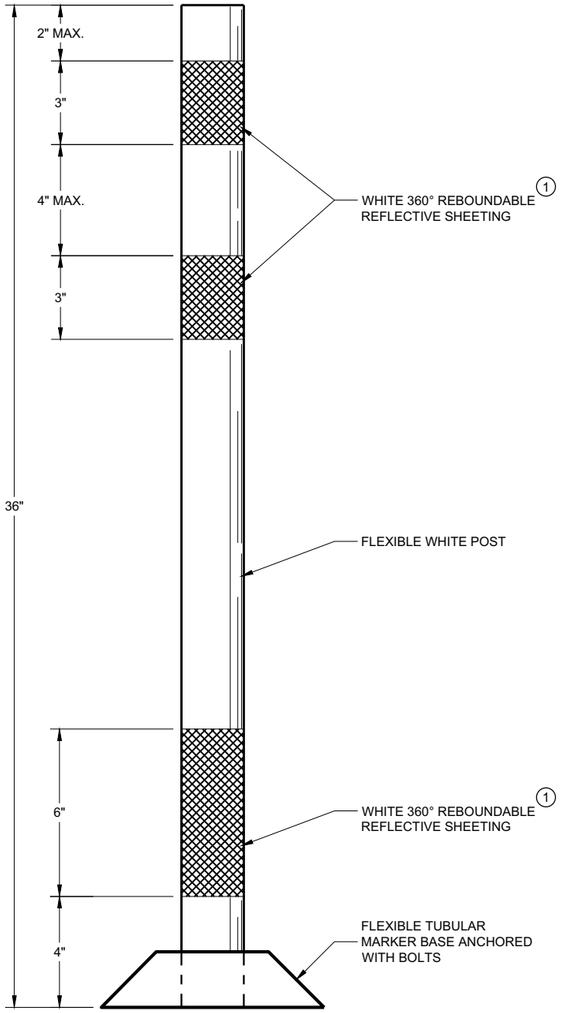
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

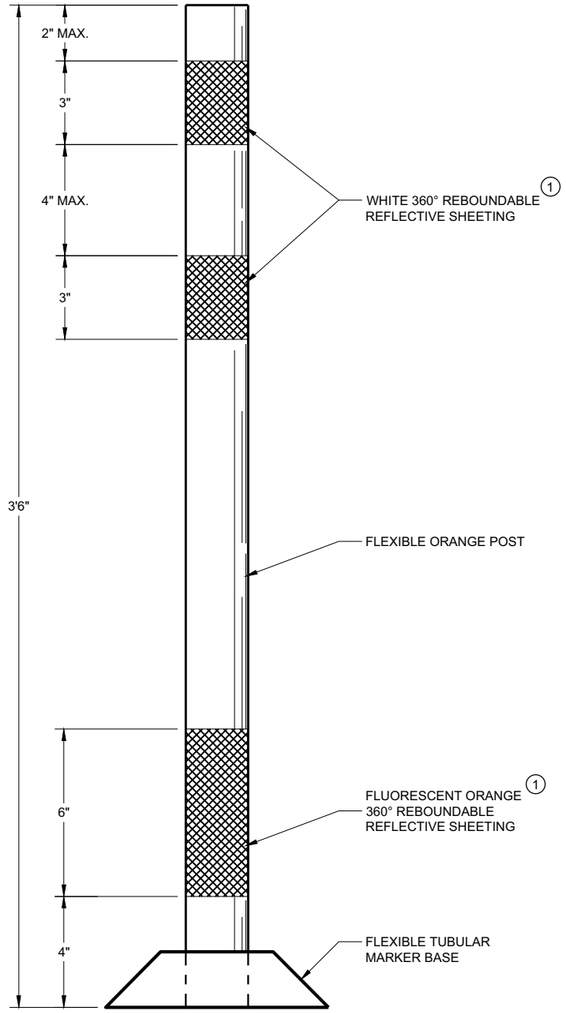
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15C08 - 20c



FLEXIBLE TUBULAR MARKER POST PERMANENT CROSSOVER



FLEXIBLE TUBULAR MARKER POST WORK ZONE

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

6

SDD 15C11 - 08a

CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

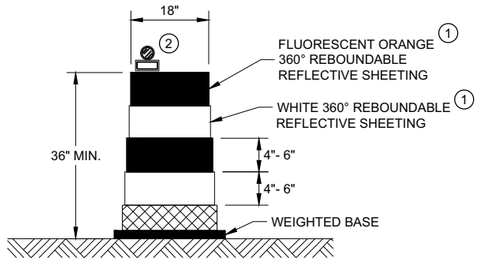
FHWA

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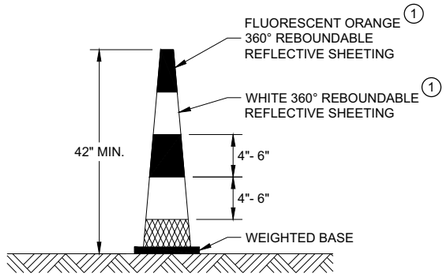
SDD 15C11 - 08a

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.

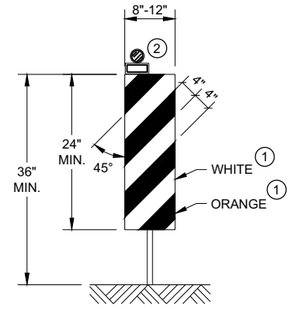


DRUM



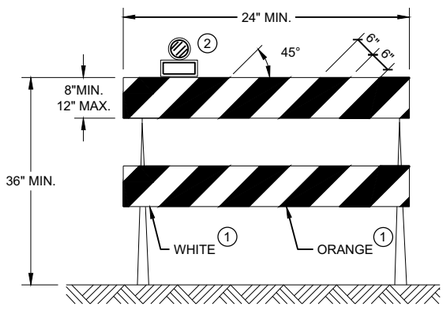
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



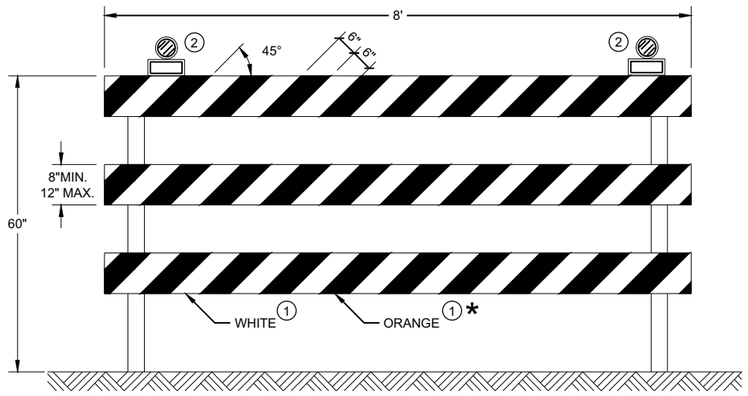
VERTICAL PANEL

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
November 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

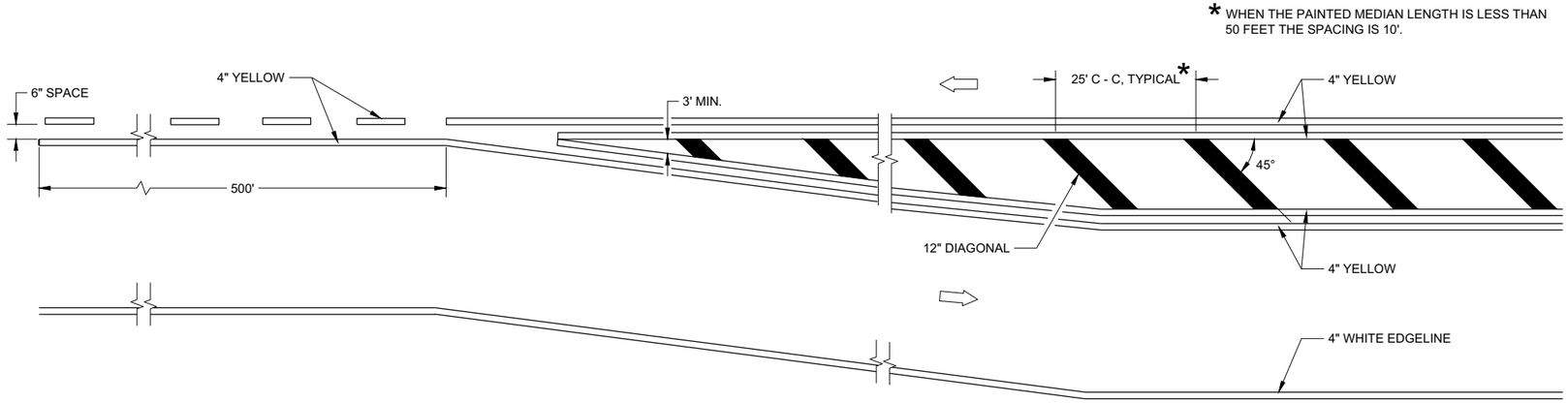
FHWA

6

SDD 15C11 - 08b

6

SDD 15C11 - 08b

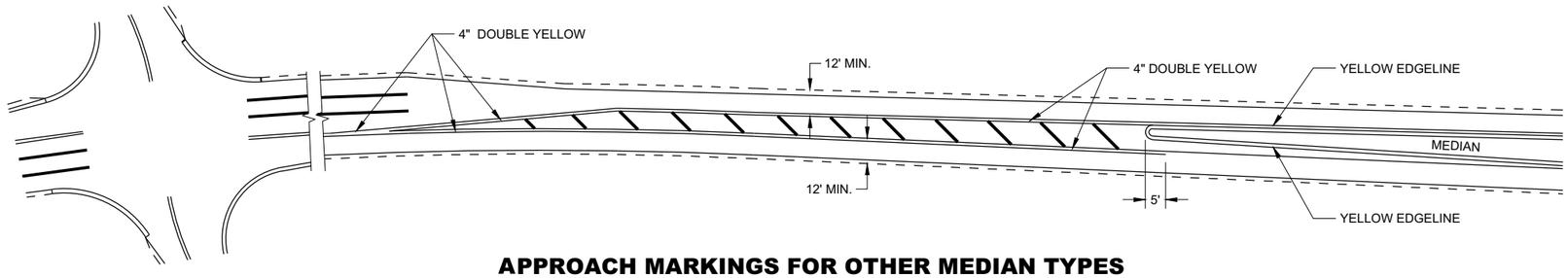


MEDIAN ISLAND DETAIL

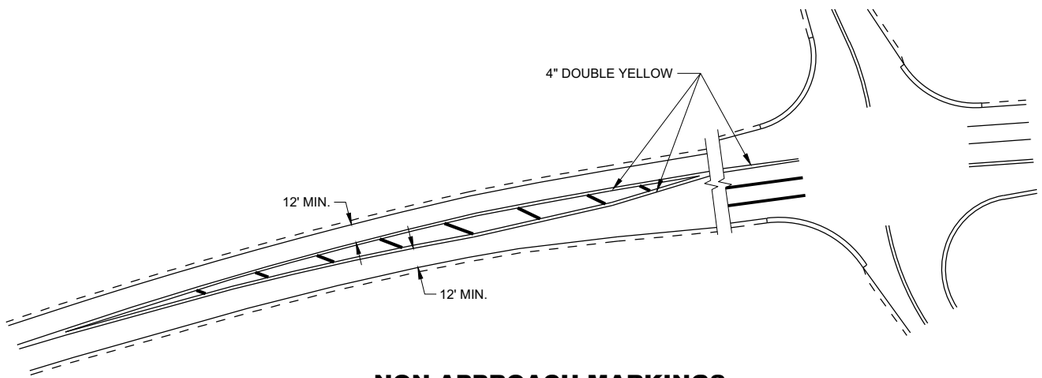
GENERAL NOTES

DIAGONALS ARE OPTIONAL WHEN PAINED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON-APPROACH MARKINGS

MEDIAN ISLAND PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

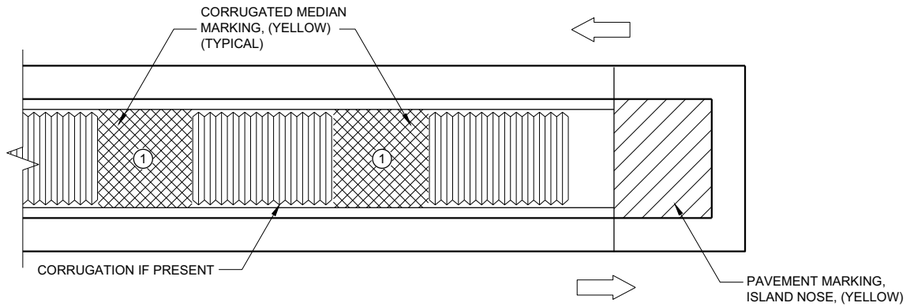
FHWA

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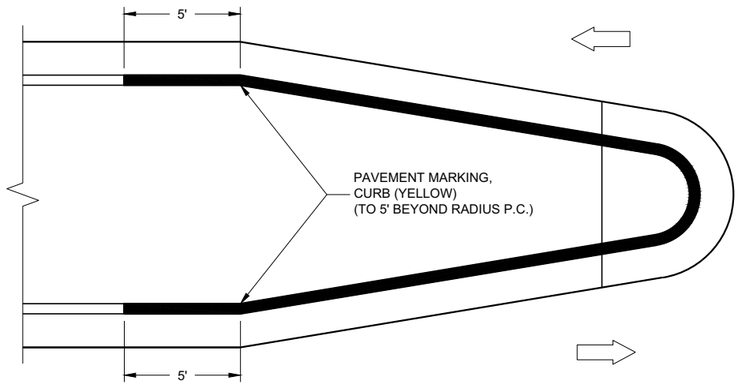
SDD 15C18 - 05a

6

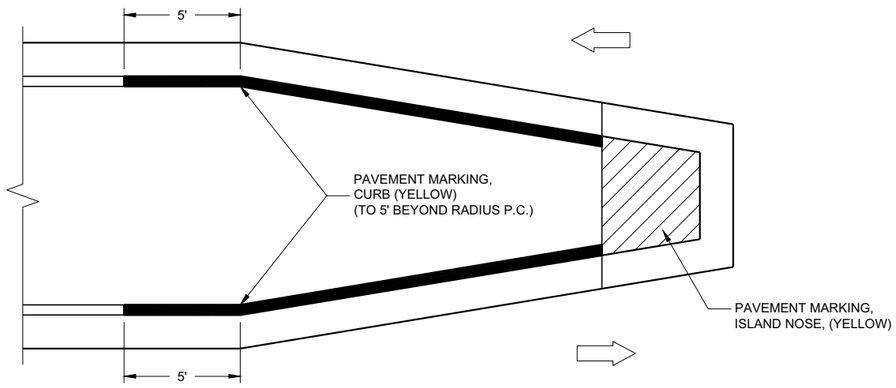
SDD 15C18 - 05a



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,
MEDIAN ISLAND NOSE**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

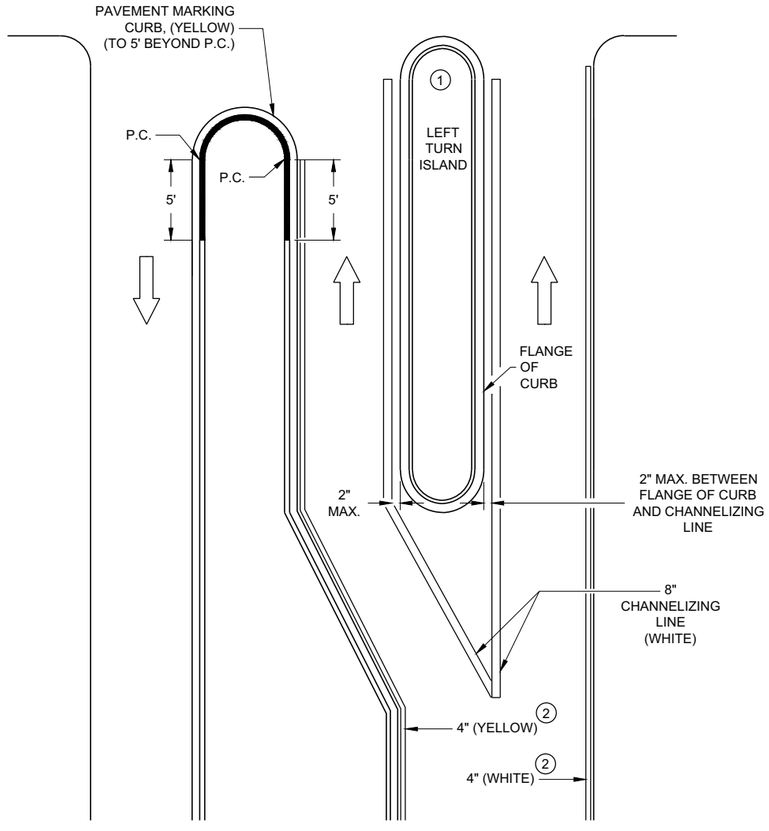
/S/ Matthew R. Rauch
STATE SIGNING AND MAR ENGINEER

FHWA

6

SDD15C18 - 05b

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

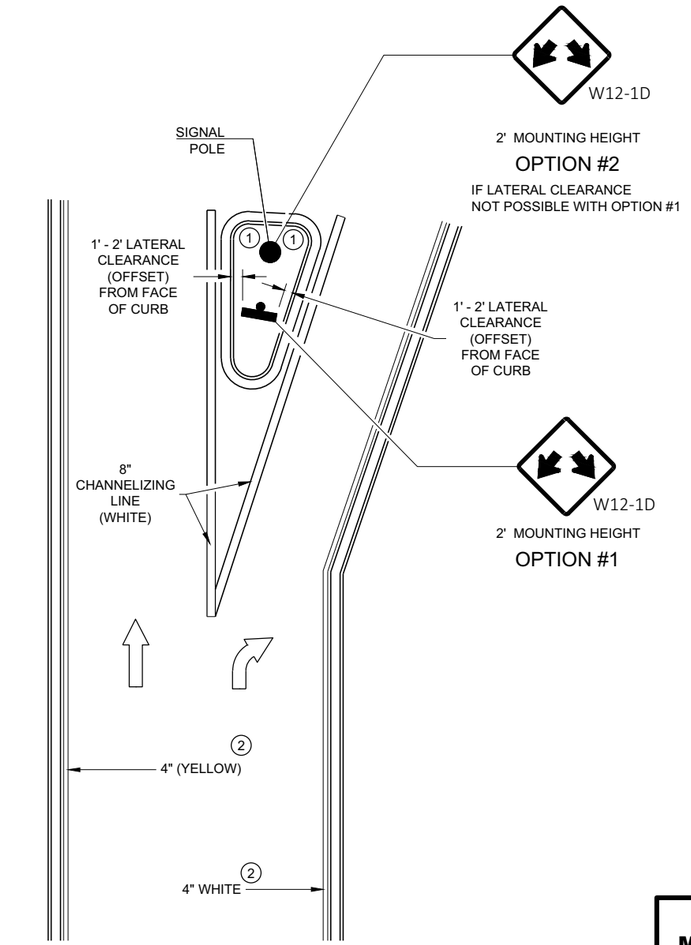
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

MEDIAN PAVEMENT MARKINGS, DOUBLE ARROW WARNING SIGN PLACEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C18 - 05c

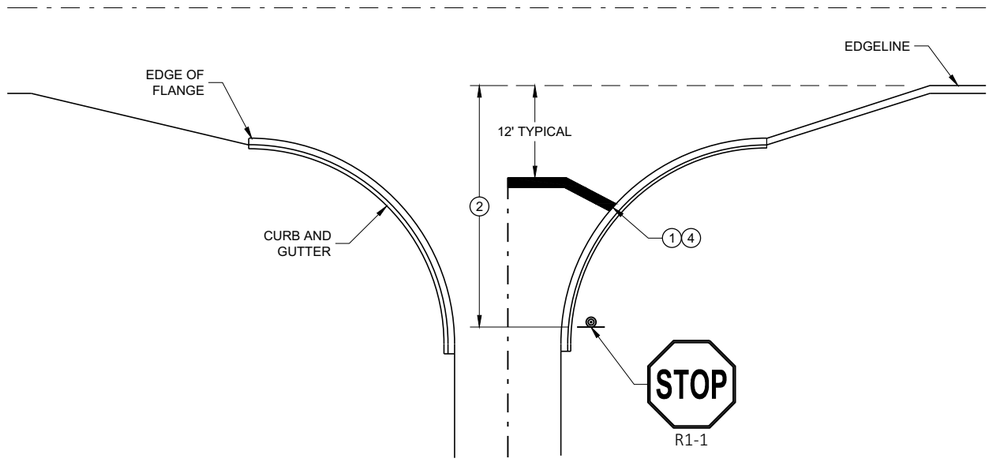
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SDD 15C18 - 05c

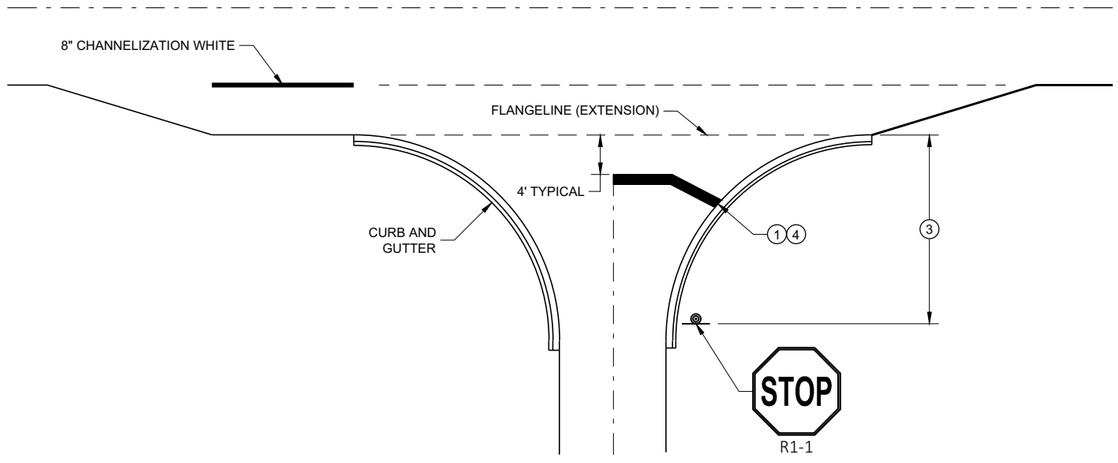
GENERAL NOTES

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

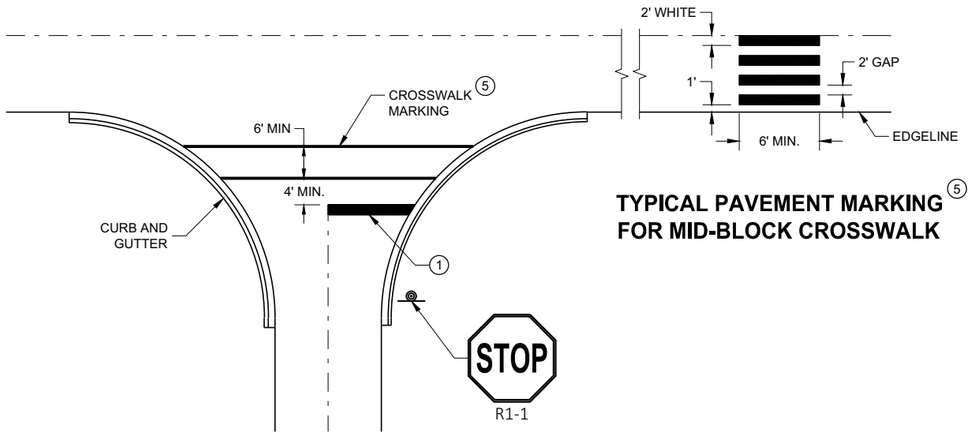
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE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

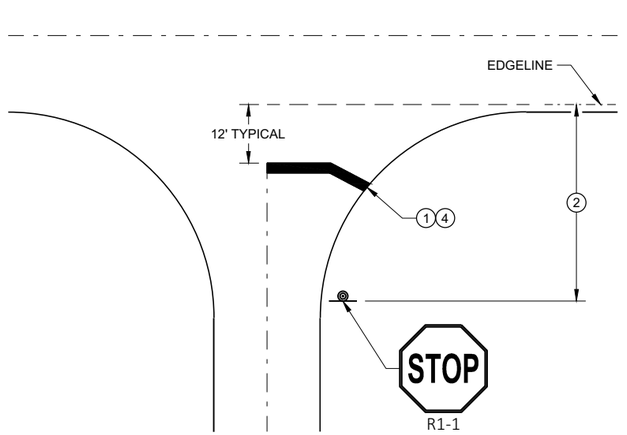


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING

TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019
DATE

/S/ Matthew Rauch
STATE SIGNING AND MARKING ENGINEER

FHWA

6
SDD 15C33 - 04

LEGEND

SIGN ON PERMANENT SUPPORT

DELINEATOR, FLEXIBLE/TUBULAR MARKER

DIRECTION OF TRAFFIC

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"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 SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS.

A SINGLE ROW OF FLEXIBLE TUBULAR MARKERS ON CENTERLINE EXTEND FOR THE ENTIRE LENGTH OF TWO-WAY TRAFFIC AT 50 FOOT SPACING.

COVER EXISTING CENTERLINE STRIPE WITH TEMPORARY PAVEMENT MARKING, 4 INCH DOUBLE YELLOW.



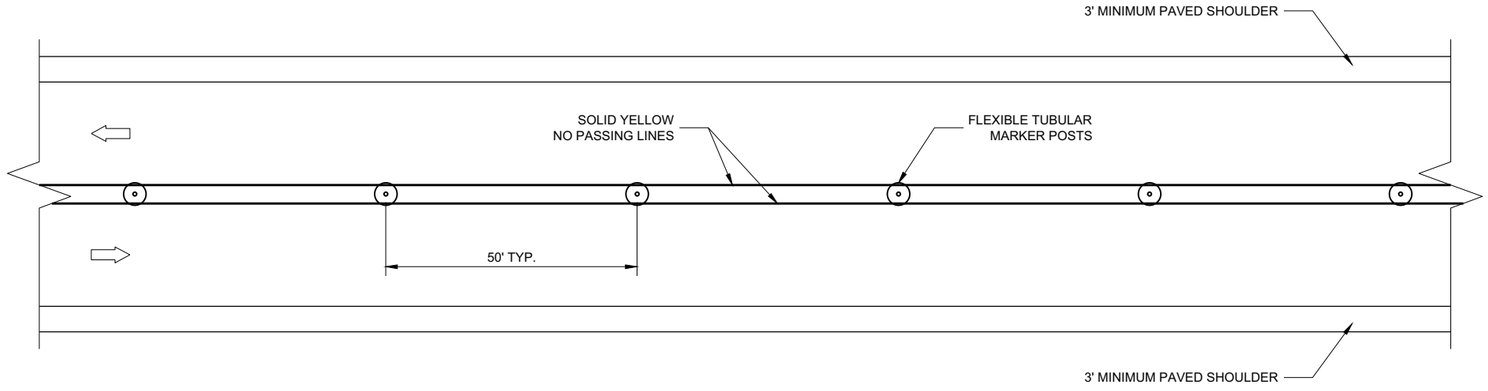
(1)



(2)

(1) THE WO6-3 AND WO57-51 SHALL BE LOCATED 200 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP AND / OR 500 FEET BEYOND ANY SIDE ROAD. THE R4-1 SHALL BE LOCATED 1000 FEET BEYOND THE WO6-3 AND THE WO57-51 AND THE SIGNS SHALL BE ALTERNATED WITH ONE MILE INTERVALS BETWEEN THE SIGNS.

(2) CONVENTIONAL: 24" X 30"
FREEWAY AND EXPRESSWAY: 36" X 48"



TWO LANE, TWO WAY OPERATION

TRAFFIC CONTROL
TWO LANE TWO WAY
OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
STATE TRAFFIC ENGINEER

FHWA

6

SDD 15D06 - 04

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.

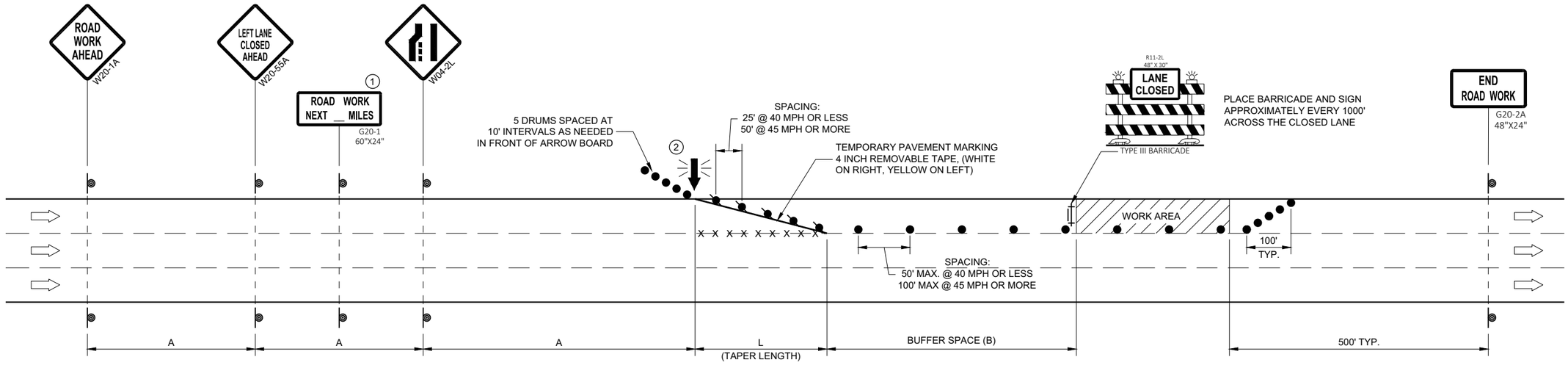
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

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

SDD15D20 - 05a

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

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.

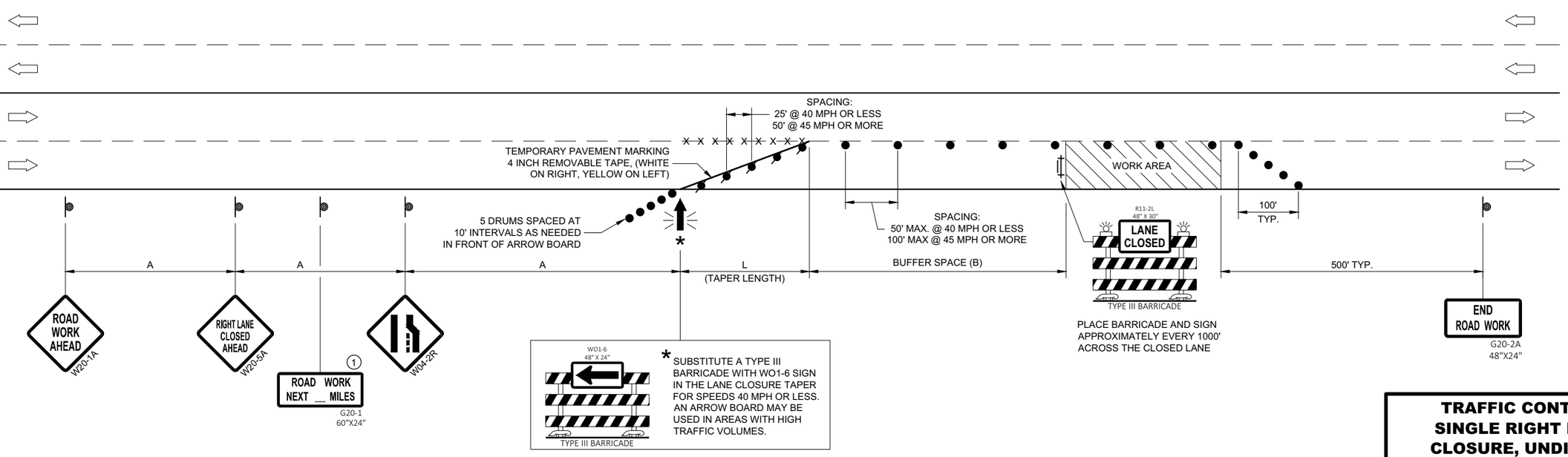
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'





TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2020 — DATE

/S/ Andrew Heidtke — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

SDD 15D20 - 05b

SDD 15D20 - 05b

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

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.

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SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

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CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

DUE TO LACK OF SHOULDER/MEDIAN, ARROW BOARD IS PLACED AT THE THE END OF THE TAPER.

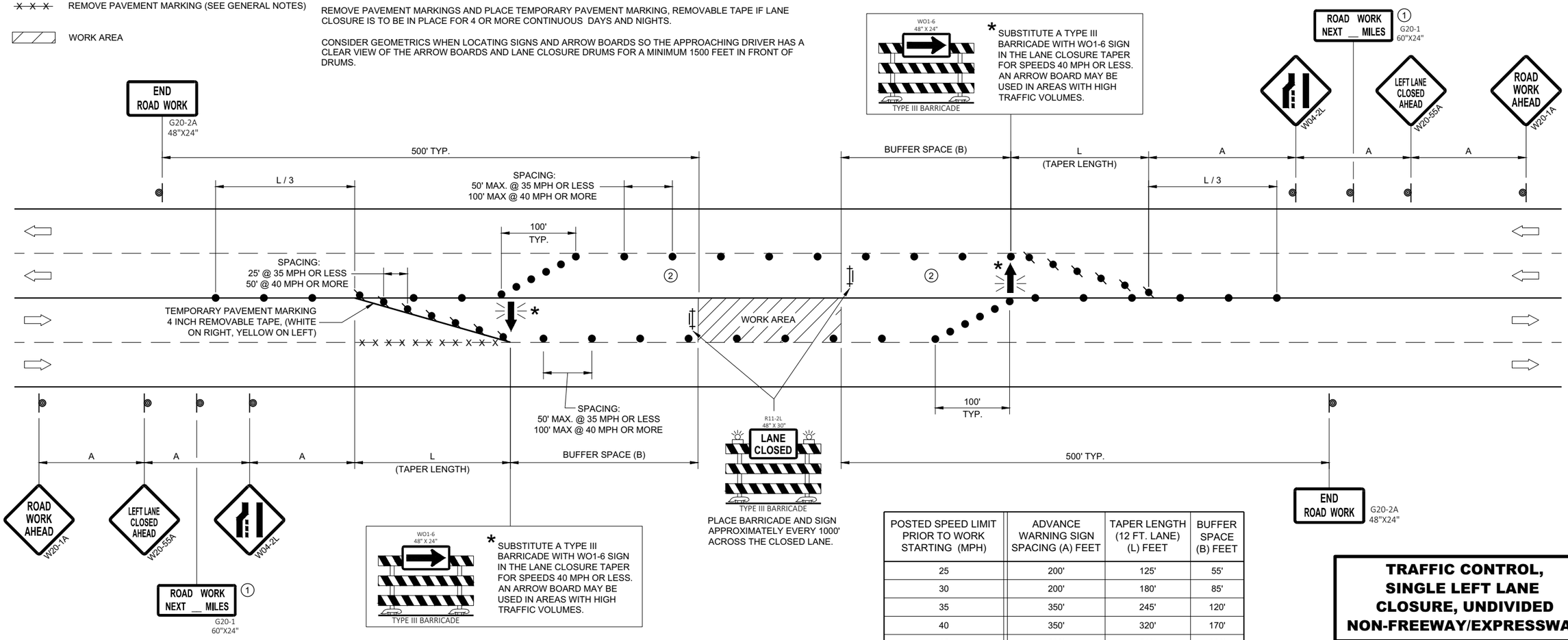
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CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

(2) LANE MAY BE OPENED WHEN WORKERS ARE NOT PRESENT IN THE WORK AREA.



WO1-6 48" X 24"

TYPE III BARRICADE

* SUBSTITUTE A TYPE III BARRICADE WITH WO1-6 SIGN IN THE LANE CLOSURE TAPER FOR SPEEDS 40 MPH OR LESS. AN ARROW BOARD MAY BE USED IN AREAS WITH HIGH TRAFFIC VOLUMES.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

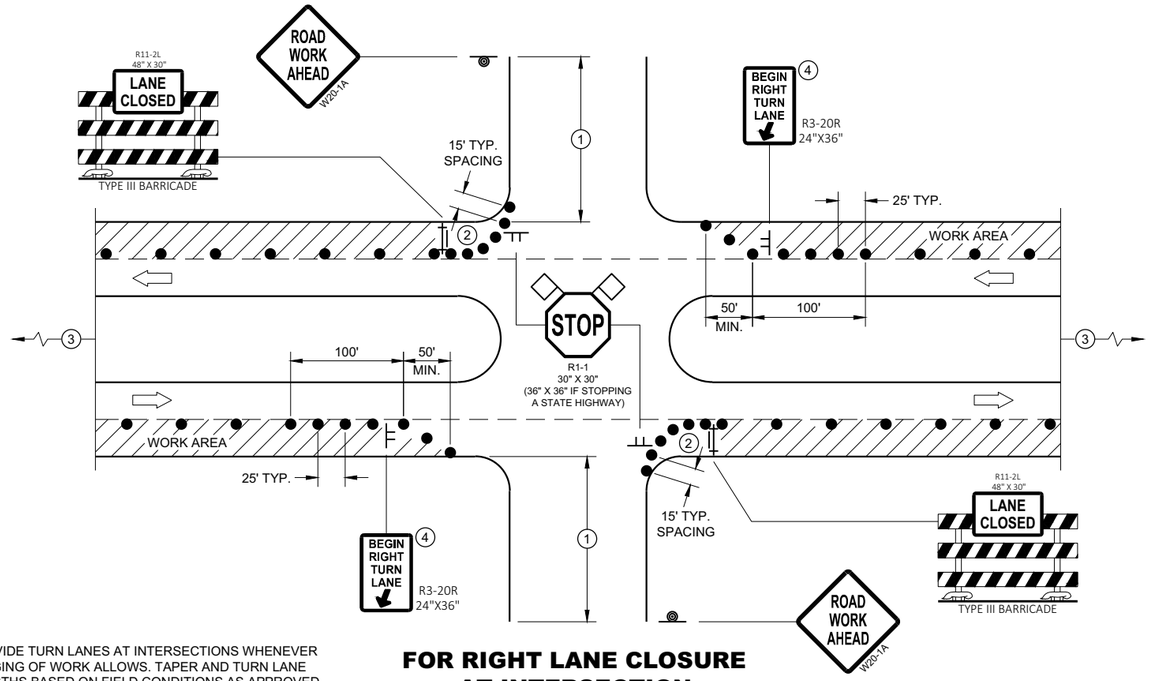
TRAFFIC CONTROL, SINGLE LEFT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 — DATE
/S/ Andrew Heidtke — STATEWIDE WORK ZONE T SAFETY ENGINEER
FHWA

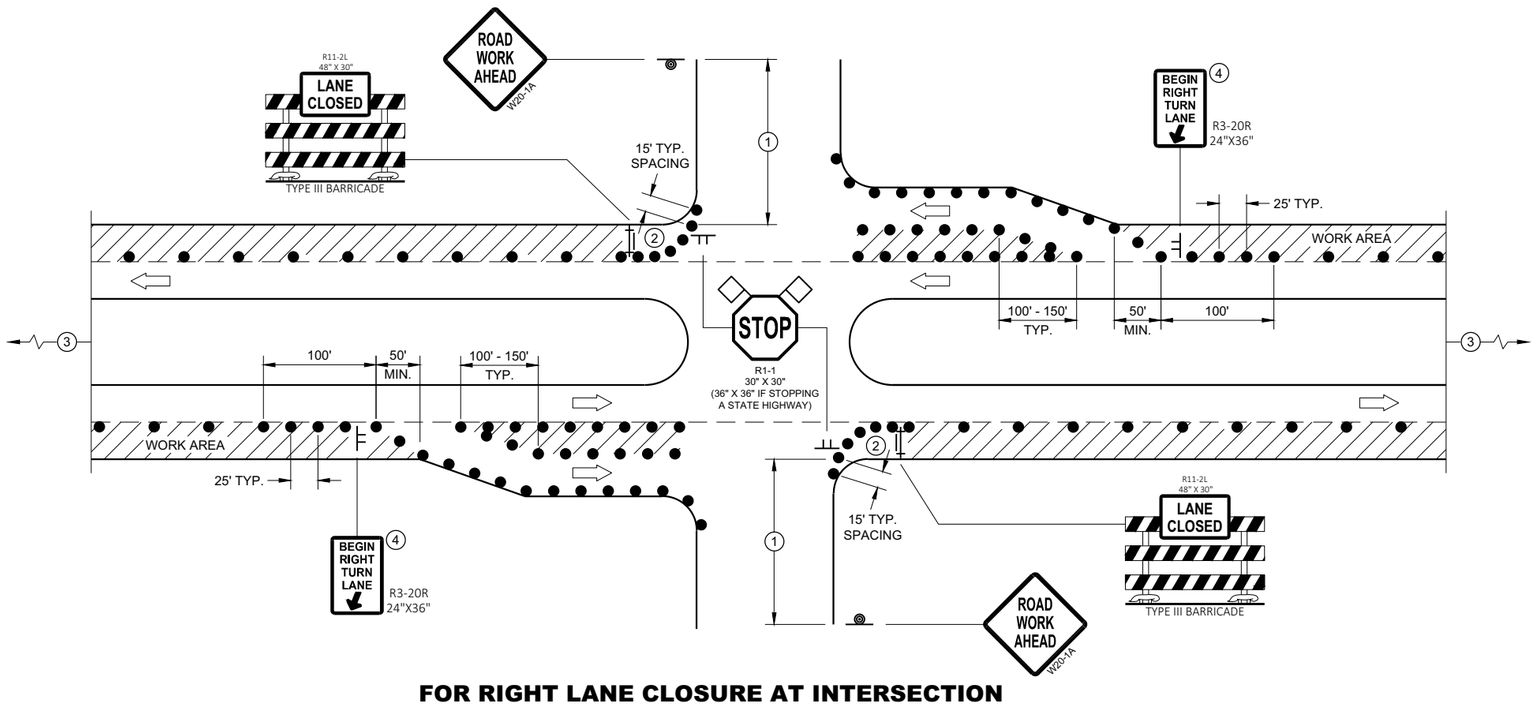
SDD 15D20 - 05c

SDD 15D20 - 05c



FOR RIGHT LANE CLOSURE AT INTERSECTION

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 (WITH RIGHT TURN BAY OPEN)

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.

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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.

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

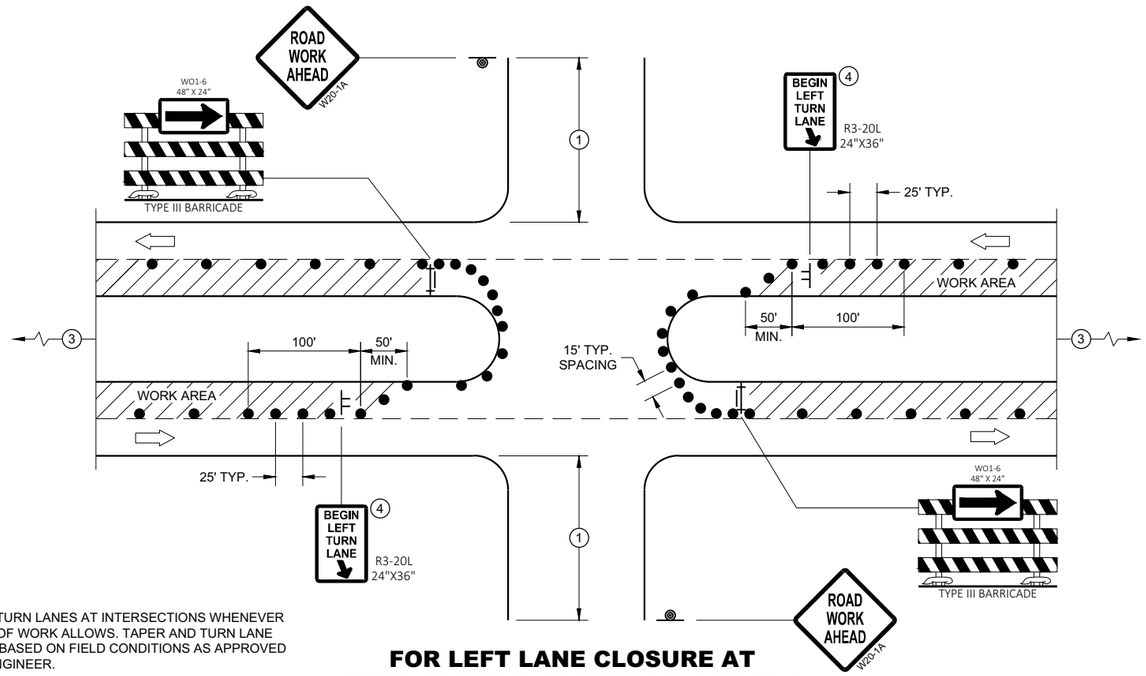
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D21 - 07a

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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.

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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.

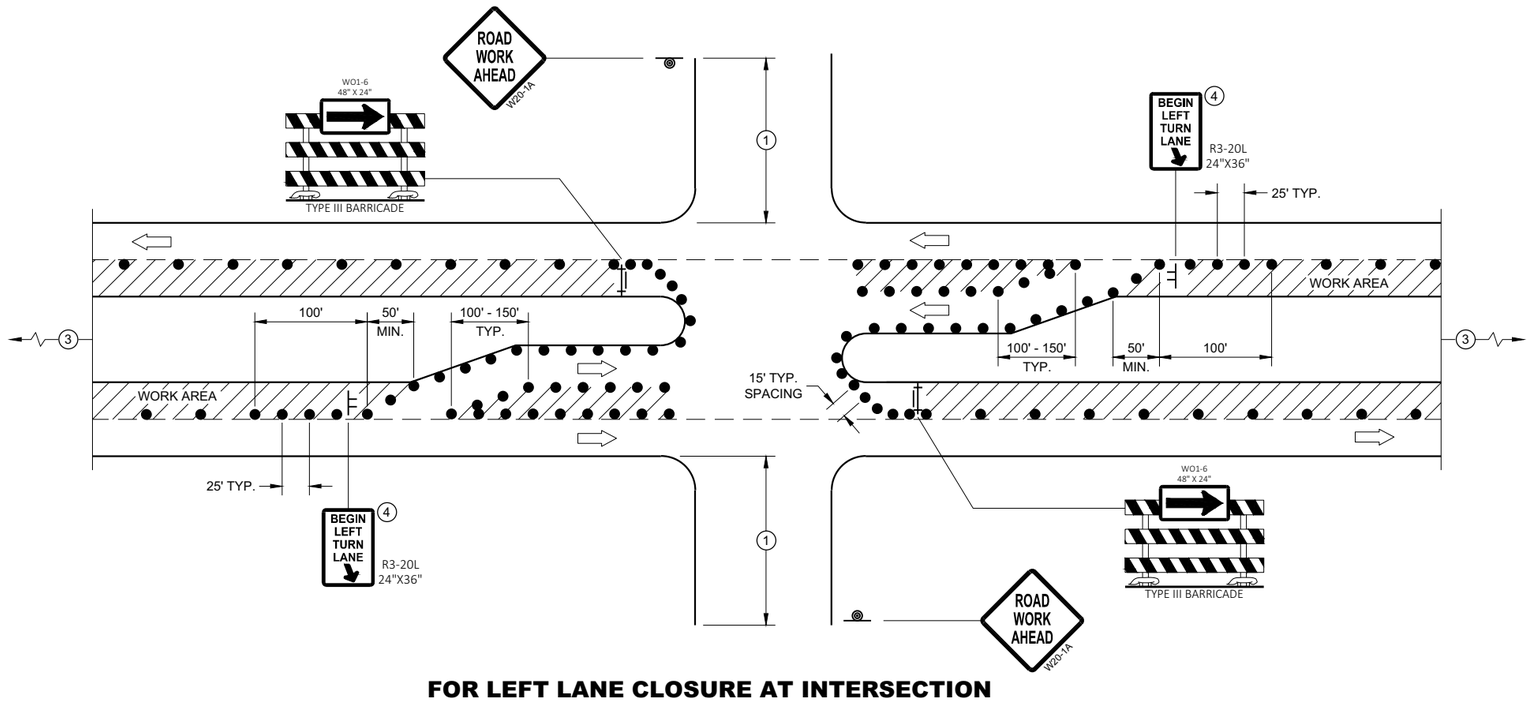
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

(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

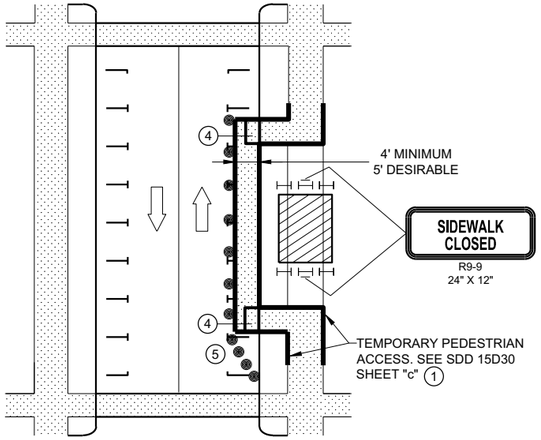
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SDD 15D21 - 07b

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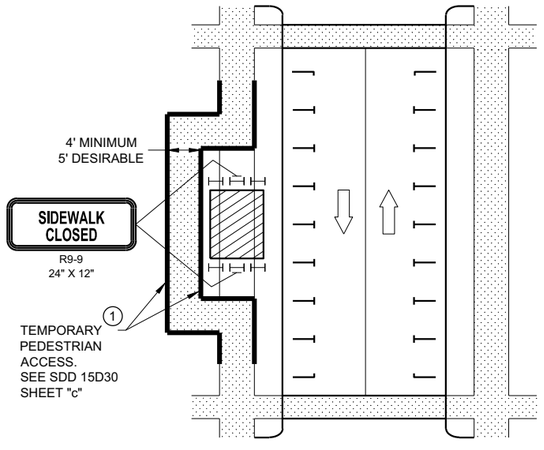
SDD 15D21 - 07b

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

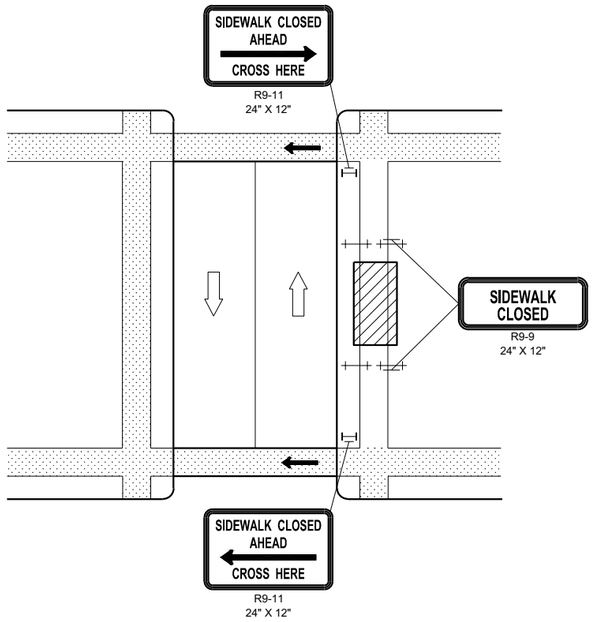


MID-BLOCK SIDEWALK SIDEWALK CLOSURE IN PARKING LANE

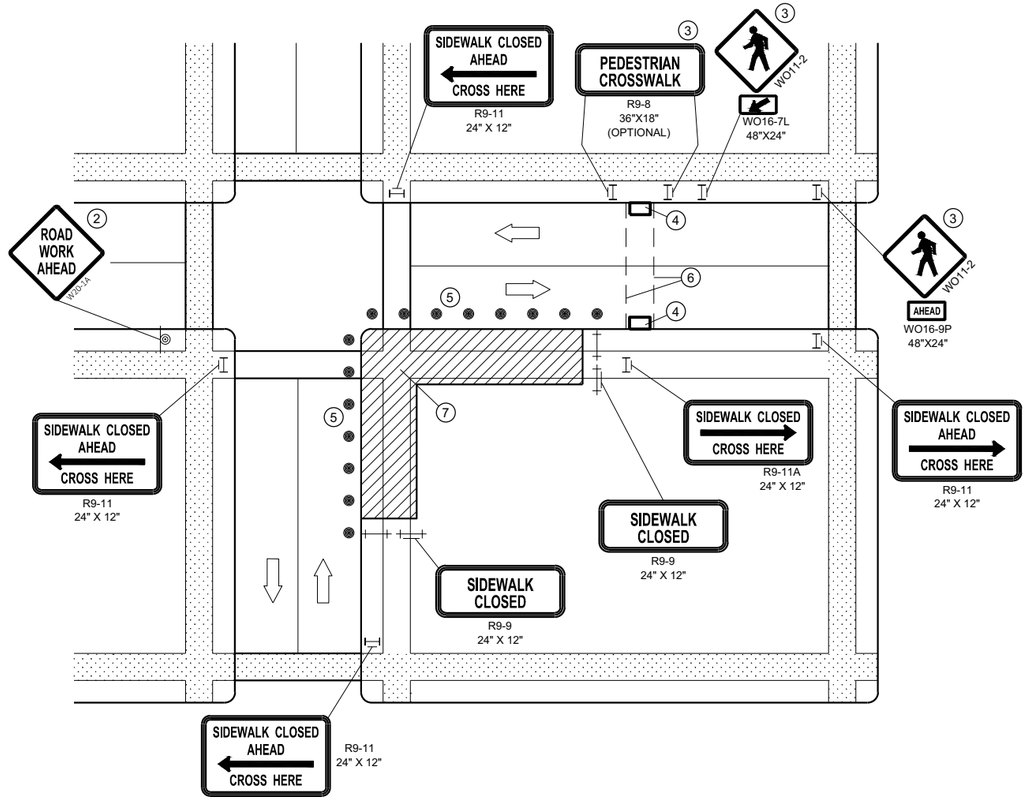
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTIME CLOSURE, USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

1. IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE
2. "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
3. IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
4. TEMPORARY CURB RAMPS. SEE SDD 15D30 SHEET "b'.
5. DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
6. TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
7. LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

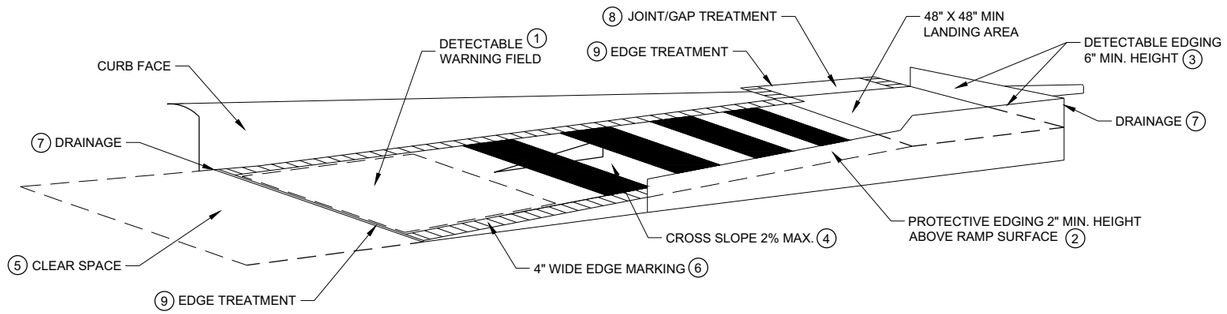
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW INTENSITY FLASHING)
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

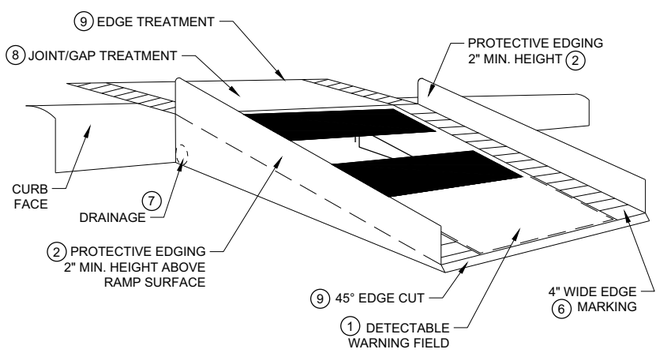
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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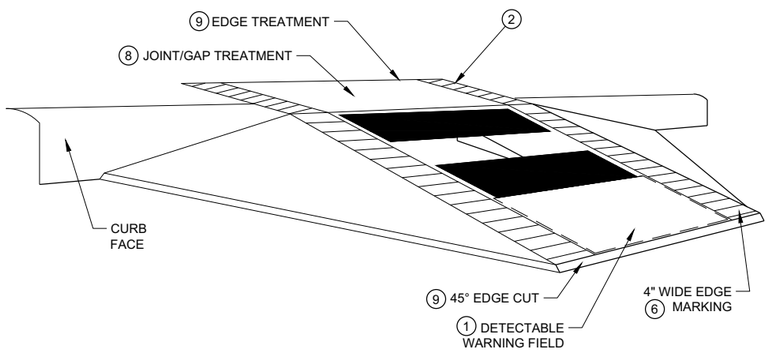
SDD15D30 - 06a



TEMPORARY CURB RAMP PARALLEL TO CURB



WITH PROTECTIVE EDGE



WITH SIDE APRON

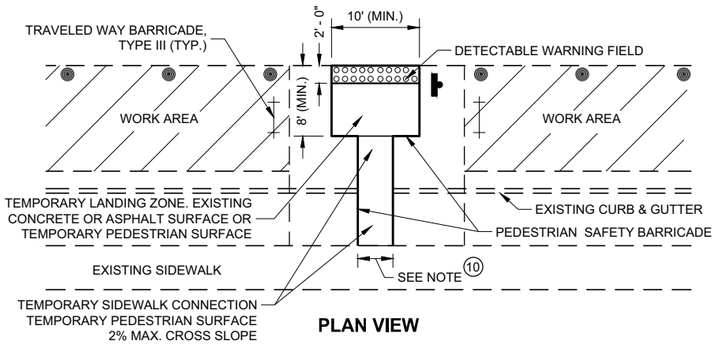
TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

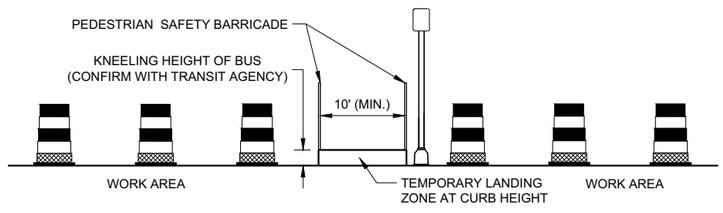
NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 08D05, SHEET "e".
2. PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
5. CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
7. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES SHALL BE VERTICAL UP TO ¼" HIGH AND BEVELED AT 1:2 BETWEEN ¼" AND ½".
10. 5" WIDE MIN. WITH PEDESTRIAN SAFETY BARRICADE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY BARRICADE.



PLAN VIEW



PROFILE VIEW

TEMPORARY BUS STOP PAD

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- WORK AREA

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

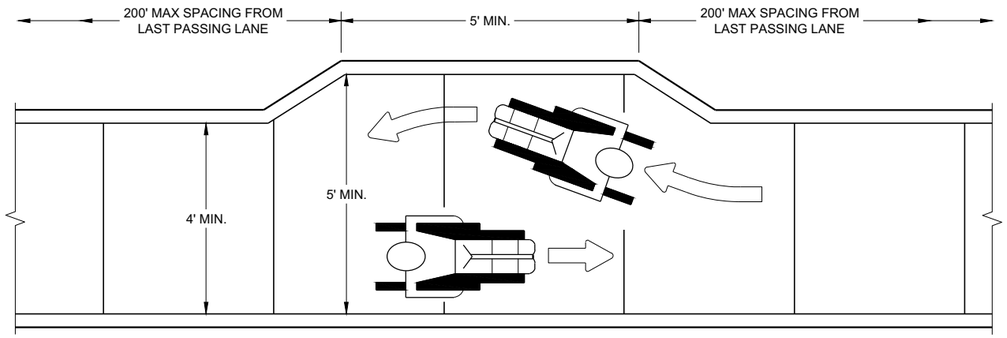
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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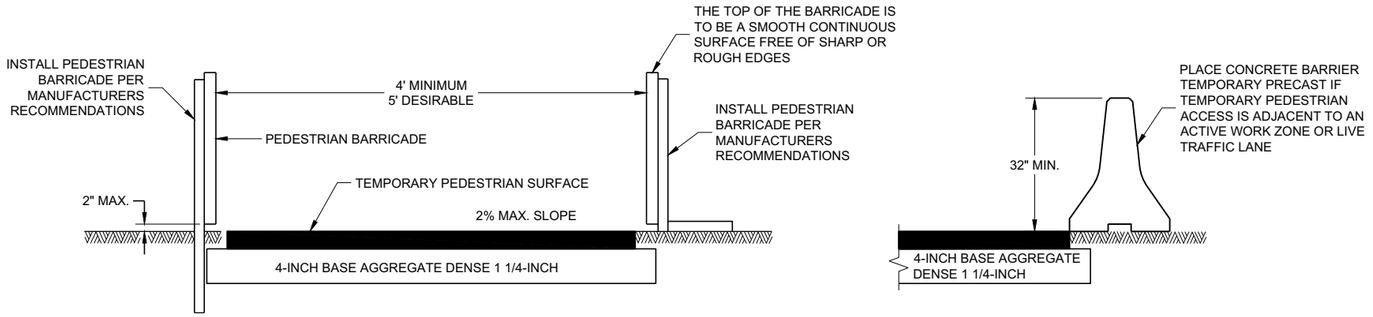
SDD 15D30 - 06b

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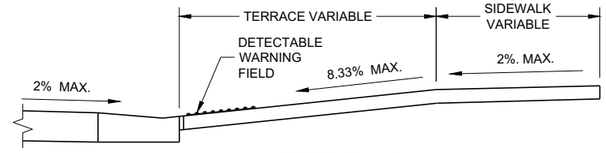
SDD 15D30 - 06b



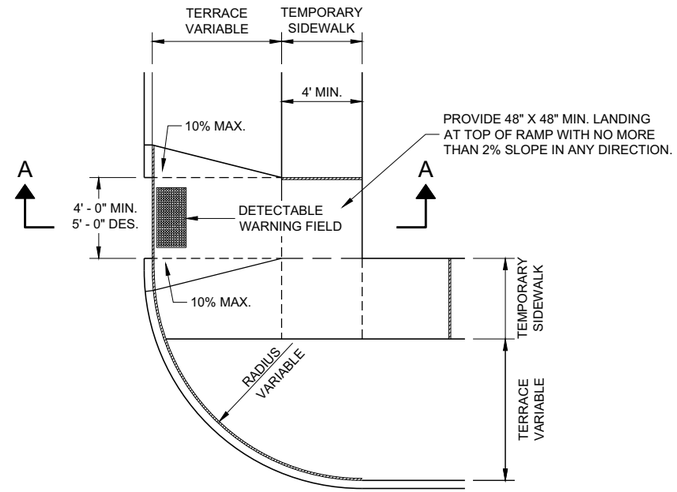
NARROW SIDEWALK PASSING DETAIL



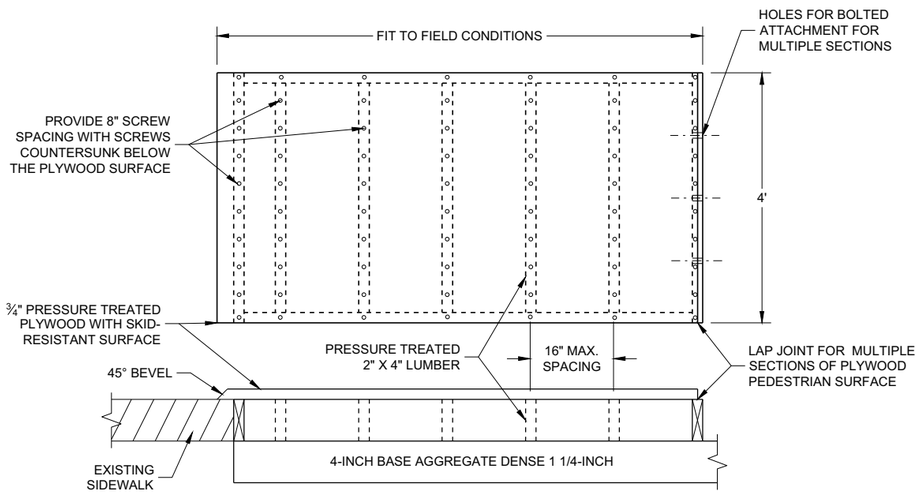
TEMPORARY PEDESTRIAN ACCESS



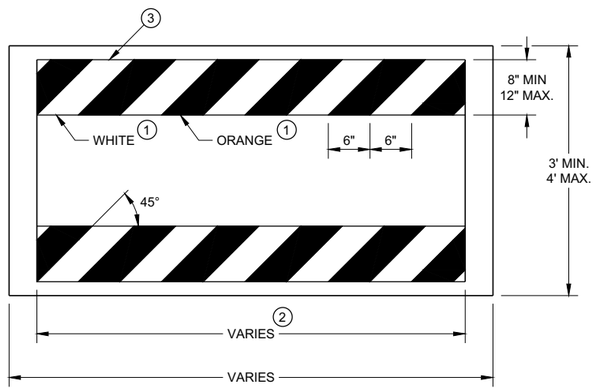
SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



TEMPORARY PEDESTRIAN BARRICADE *

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

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

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

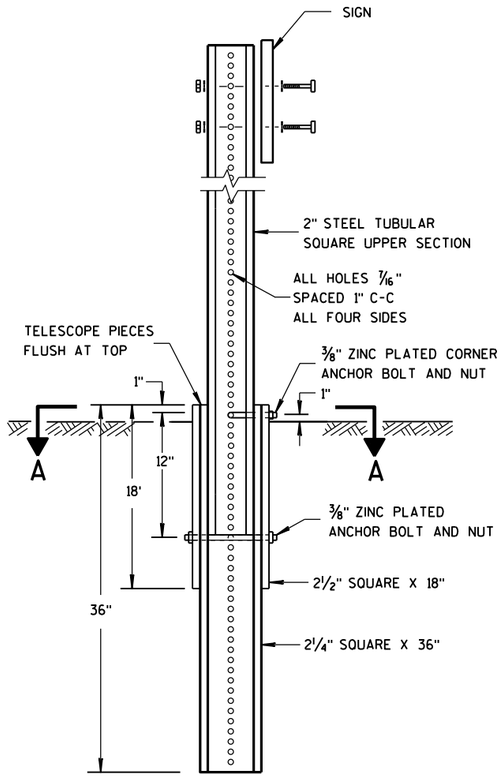
APPROVED
November 2019
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

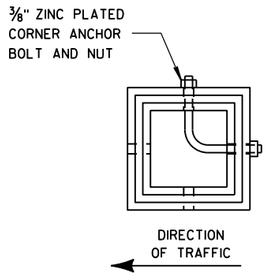
FHWA

SDD 15D30 - 06c

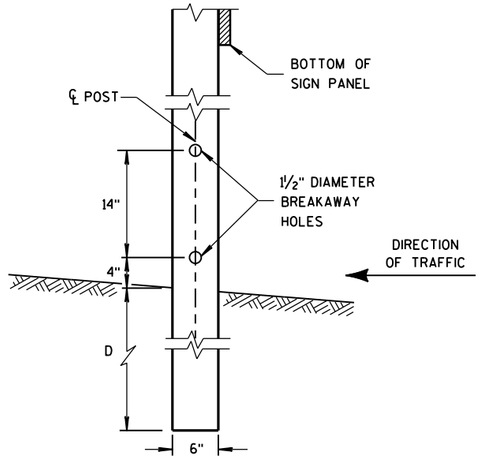
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SDD 15D30 - 06c



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



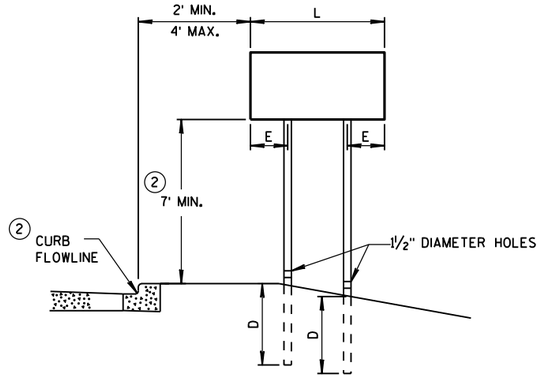
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

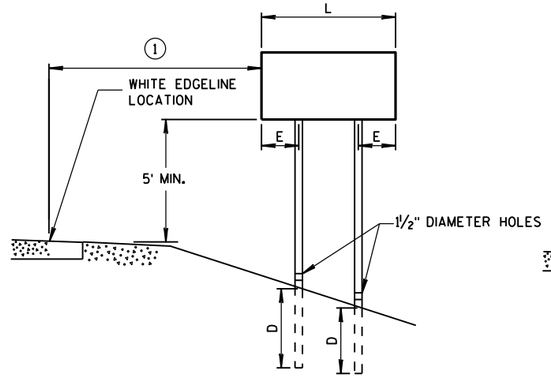
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

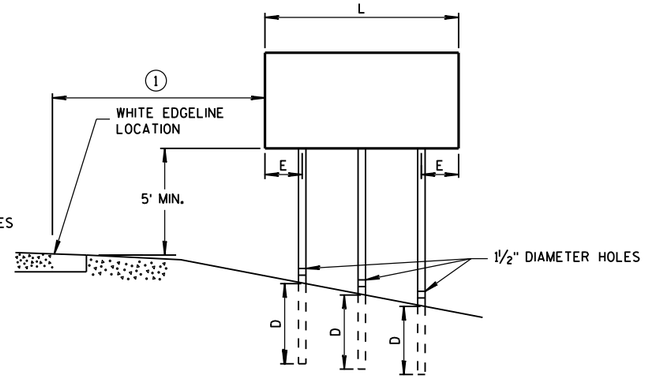
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

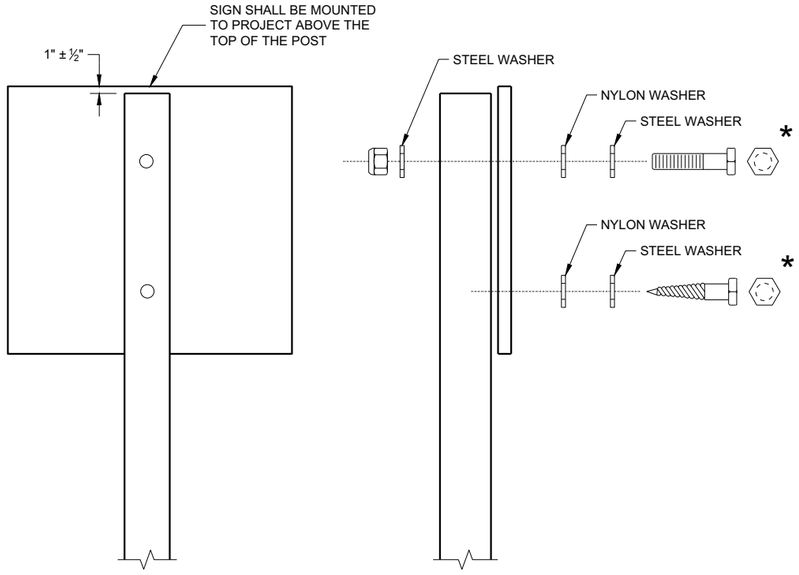
SEE NOTE (3)

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.

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SDD 15D38 - 02b

SDD 15D38 - 02b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

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 DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

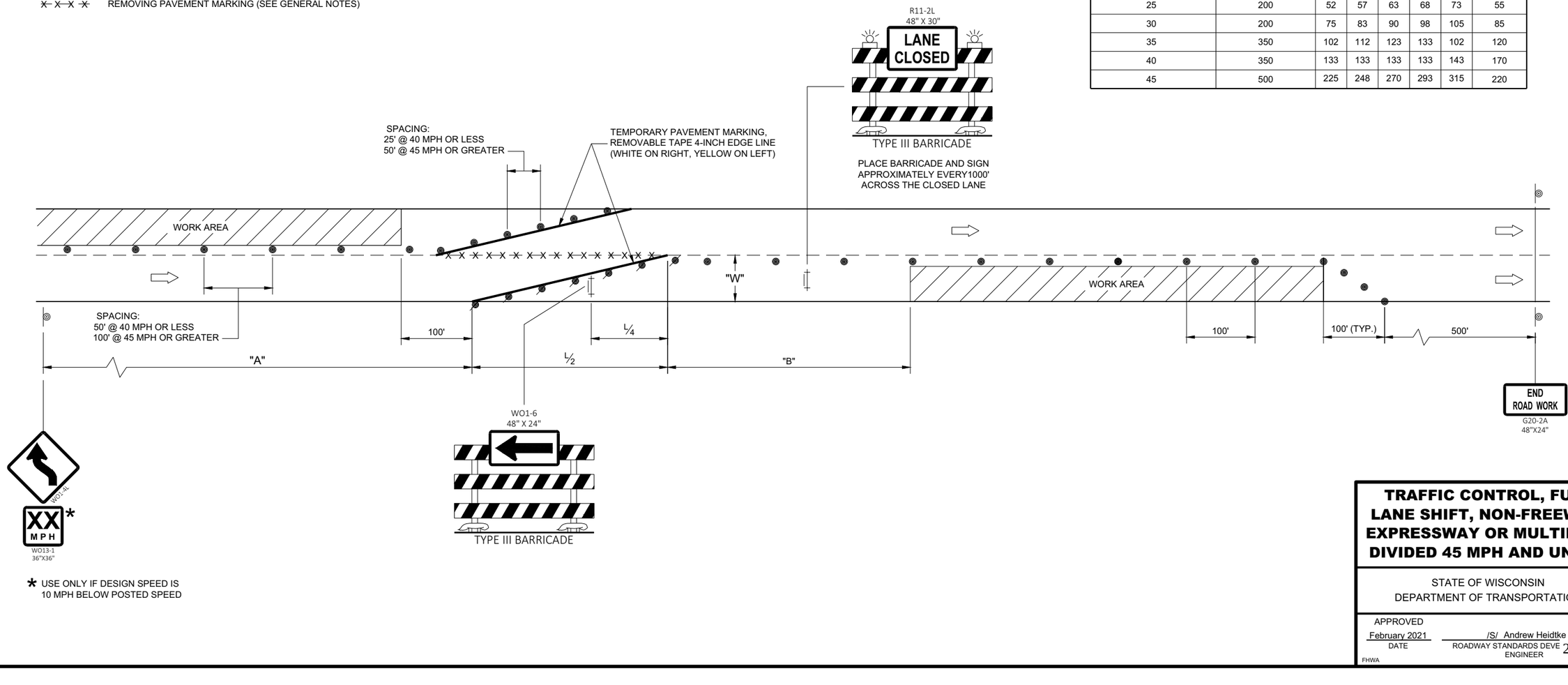
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L½ W, LATERAL OFFSET (FT)					BUFFER SPACE (B) FEET
		10	11	12	13	14	
25	200	52	57	63	68	73	55
30	200	75	83	90	98	105	85
35	350	102	112	123	133	102	120
40	350	133	133	133	133	143	170
45	500	225	248	270	293	315	220



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

TRAFFIC CONTROL, FULL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 — DATE
/S/ Andrew Heidtke — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 15D40 - 02a

6

SDD 15D40 - 02a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVE PAVEMENT MARKING

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT LEFT - REVERSE FOR SHIFTING RIGHT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON ANY "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

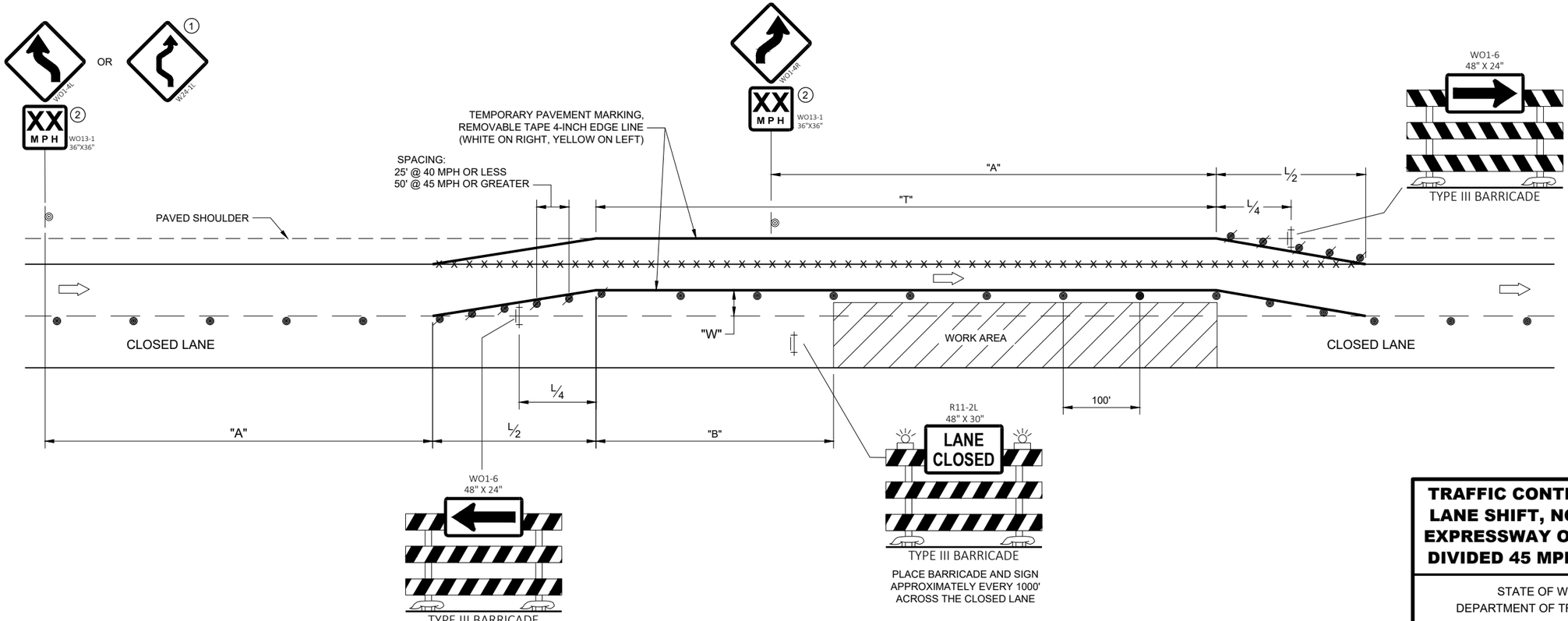
IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T<600', OMIT WO1-4R.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHIFTING TAPER L/2 W, LATERAL OFFSET (FT)									BUFFER SPACE (B) FEET
		1	2	3	4	5	6	7	8	9	
25	200	5	10	16	21	26	31	36	42	47	55
30	200	8	15	23	30	38	45	53	60	68	85
35	350	10	20	31	41	51	61	71	82	92	120
40	350	13	27	40	53	67	80	93	107	120	170
45	500	23	45	68	90	113	135	158	180	203	220



TRAFFIC CONTROL, PARTIAL LANE SHIFT, NON-FREEWAY/ EXPRESSWAY OR MULTILANE DIVIDED 45 MPH AND UNDER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
ROADWAY STANDARDS DEVE ENGINEER

FHWA

SDD 15D40 - 02c

SDD 15D40 - 02c

LEGEND

- EXISTING SIGN ON PERMANENT SUPPORT
- NEW SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK ZONE

GENERAL NOTES

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

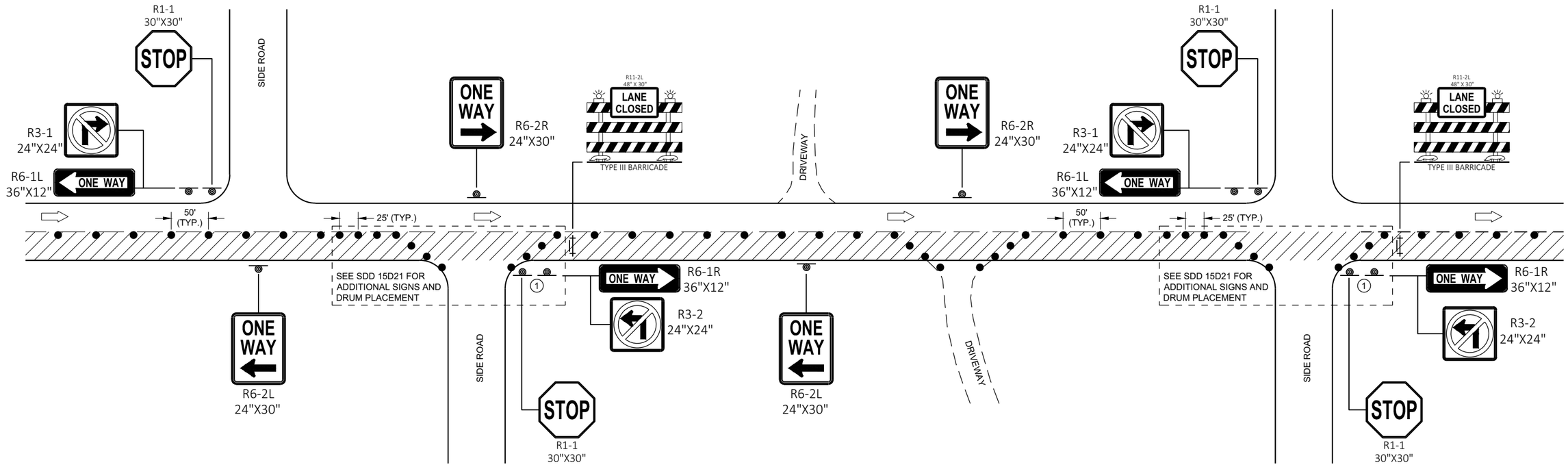
ALL SIGNS AND DEVICES SHALL BE IN CONFORMANCE WITH THE WISCONSIN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD). SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISDOT STANDARD SIGN PLATES.

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.

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.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

(1) IF WORK OPERATIONS ALLOWS, MOVE R1-1, R6-1R, AND R3-2 CLOSER TO INTERSECTION.



TRAFFIC CONTROL
ONE - WAY SIGNING

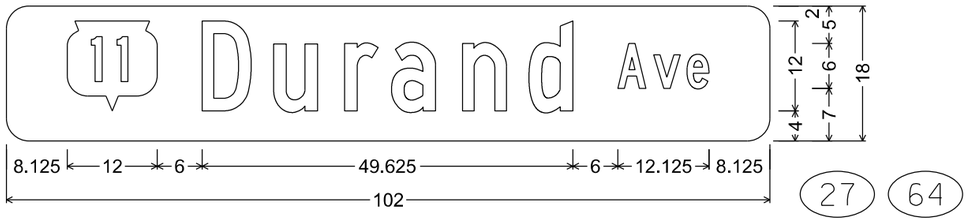
TRAFFIC CONTROL ONE-WAY SIGNING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2020 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEE
FHWA	

SDD 15D46 - 01

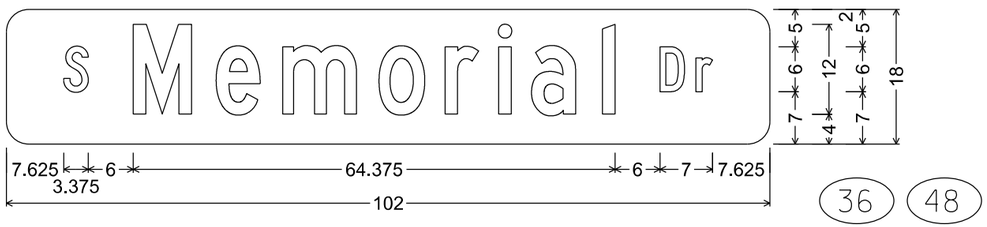
SDD 15D46 - 01

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



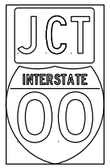
M1-94H; 3.000" Radius, No border

7

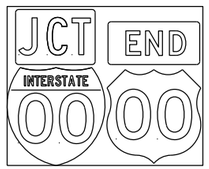
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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO: 275	E

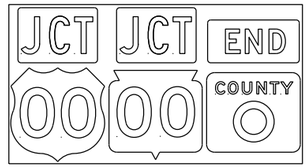
TYPICAL ASSEMBLIES



J1-1



J1-2



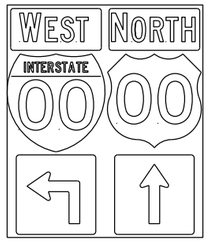
J1-3



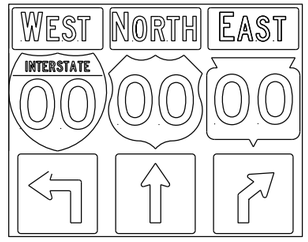
JR1-1



J2-1



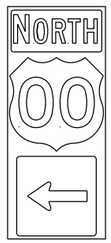
J2-2



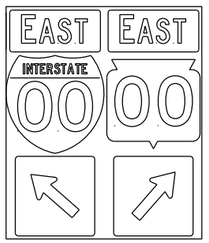
J2-3



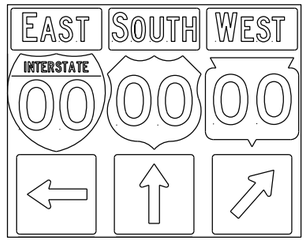
JV
(Typical Vertical J-Assembly
See Note 10 and 11)



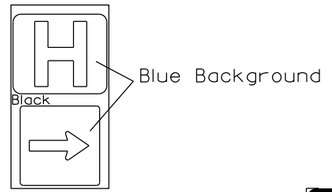
J3-1



J3-2



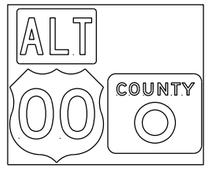
J3-3



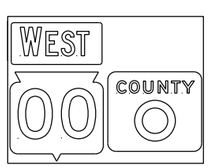
JH-1



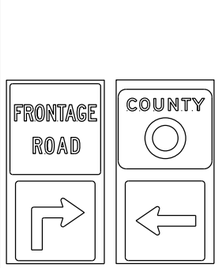
J4-1



J4-2

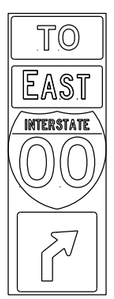


J4-2



J12-1

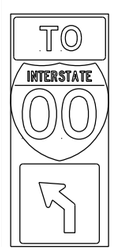
J13-1



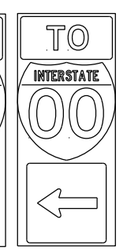
J32-1



J33-1



J22-1



J23-1



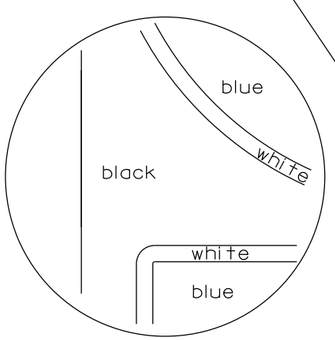
JR13-1

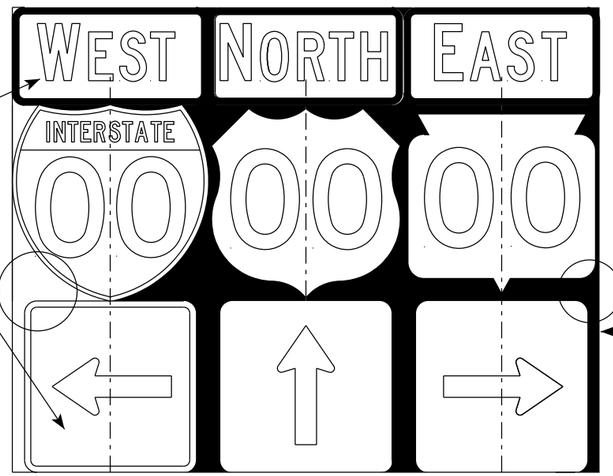


JR23-1



JR99-1





NOTES

1. Signs are Type II - Type H Reflective
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/21 PLATE NO. A2-1S.9

PROJECT NO:

SHEET NO: 276 E

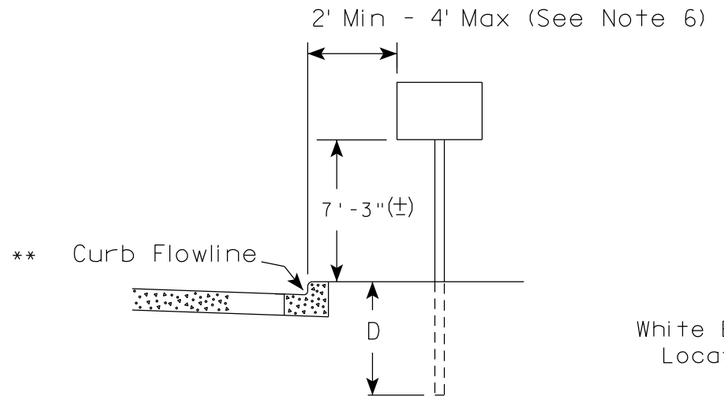
FILE NAME : C:\CAEfiles\Projects\tr_stdplate_A21S.dgn PLOT DATE : 18-MAR 2021 1:37 PLOT BY : mscj9h PLOT NAME :

WISDOT/CADDS SHEET 42

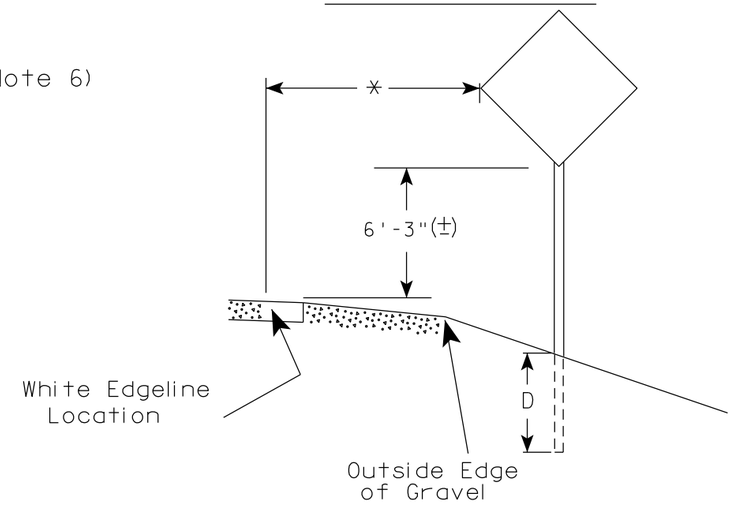
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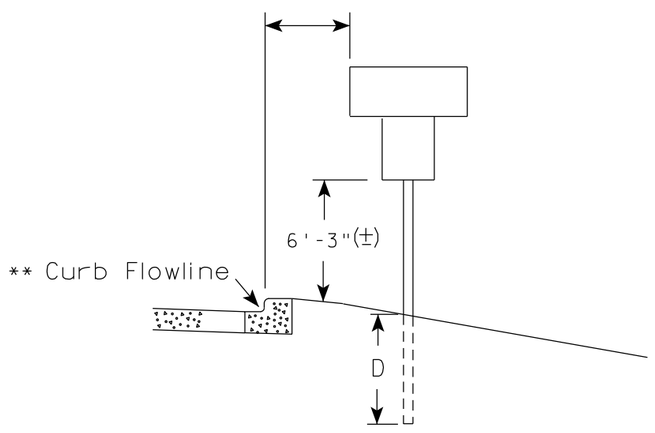
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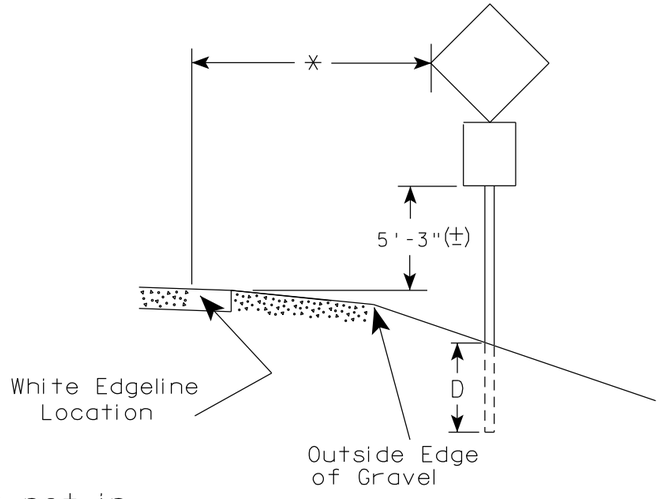
URBAN AREA



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.

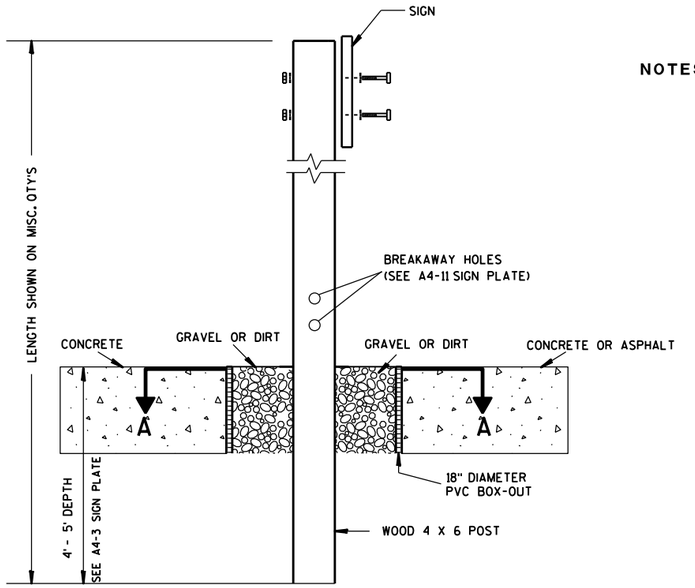
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

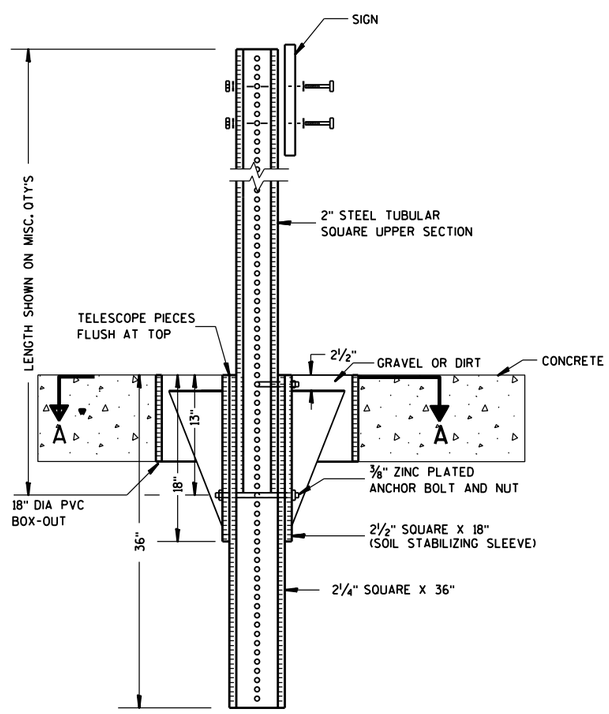
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 277	E



ELEVATION VIEW

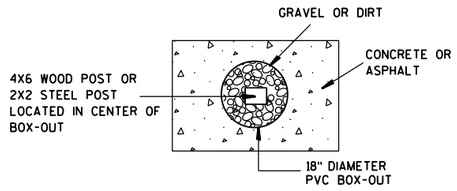
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

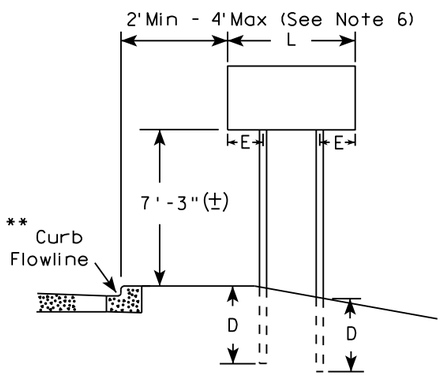
APPROVED Matthew R Rauch
for State Traffic Engineer

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

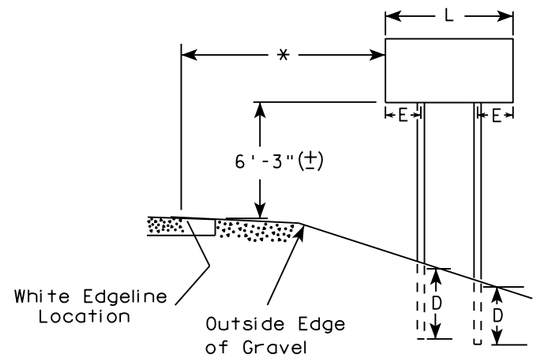
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

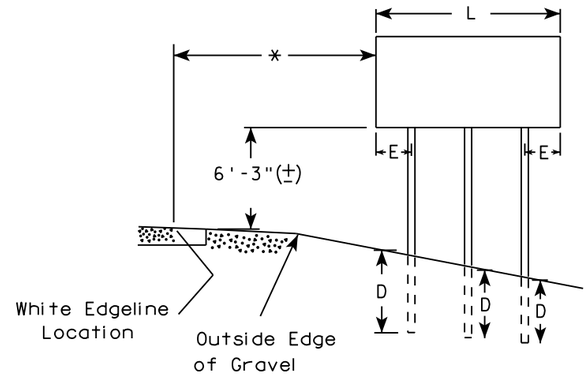
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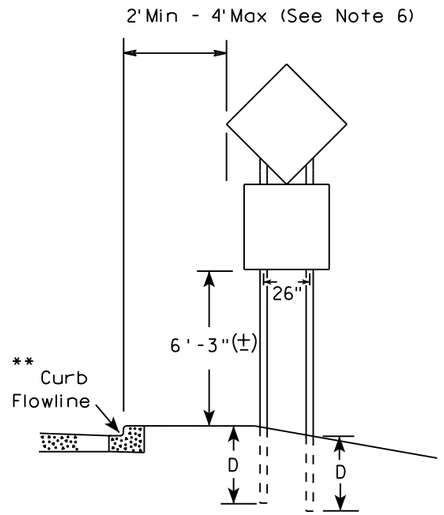
URBAN AREA



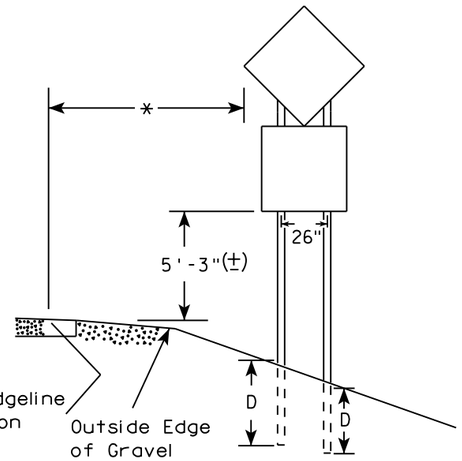
RURAL AREA (See Note 3)







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'

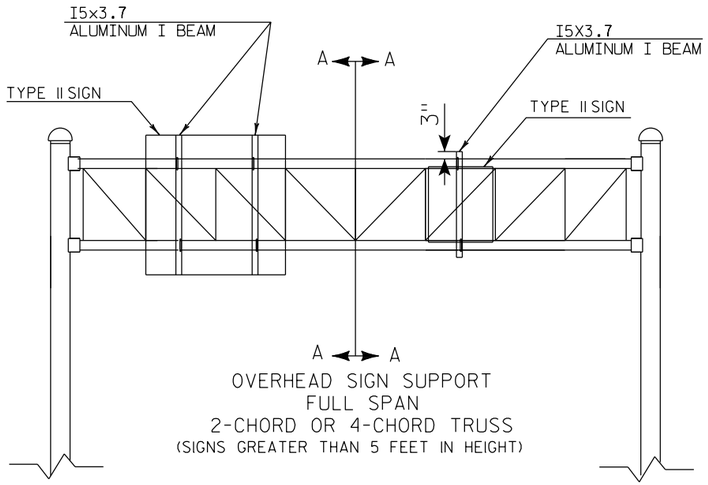
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

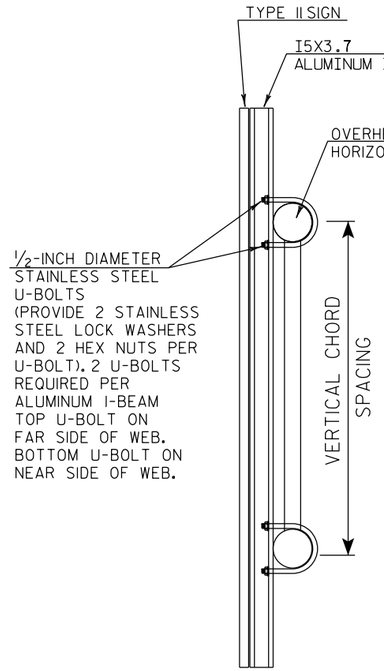
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

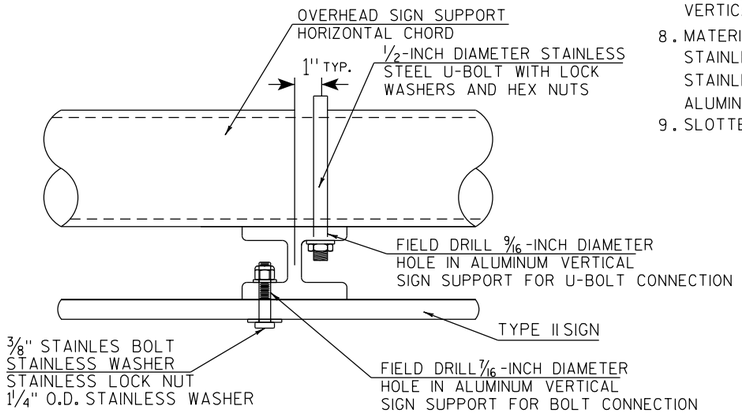
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 279	E



OVERHEAD SIGN SUPPORT
FULL SPAN
2-CHORD OR 4-CHORD TRUSS
(SIGNS GREATER THAN 5 FEET IN HEIGHT)



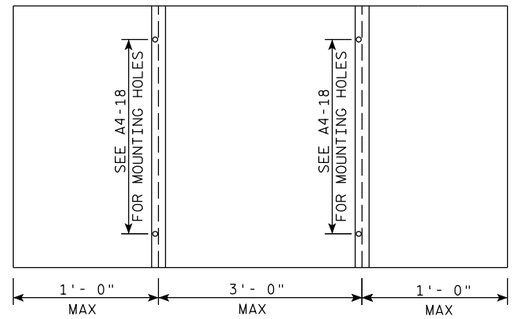
CUT SECTION A-A



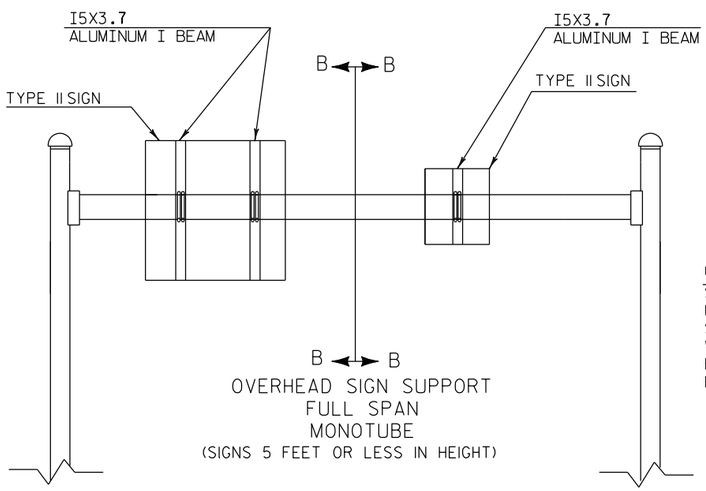
TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW

GENERAL NOTES

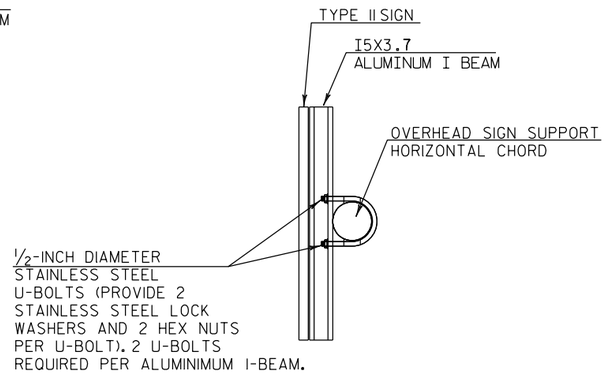
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



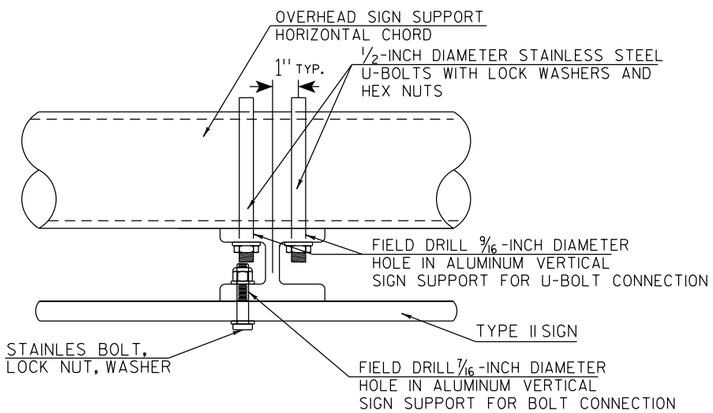
SPACING OF I5X3.7 ALUMINUM
MULTIPLE VERTICAL SIGN SUPPORTS



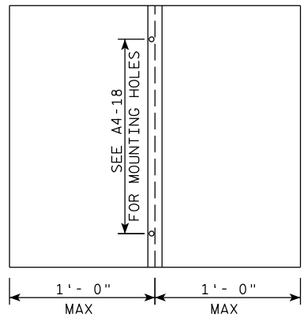
OVERHEAD SIGN SUPPORT
FULL SPAN
MONOTUBE
(SIGNS 5 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW



SPACING OF I5X3.7 ALUMINUM
SINGLE VERTICAL SIGN SUPPORT

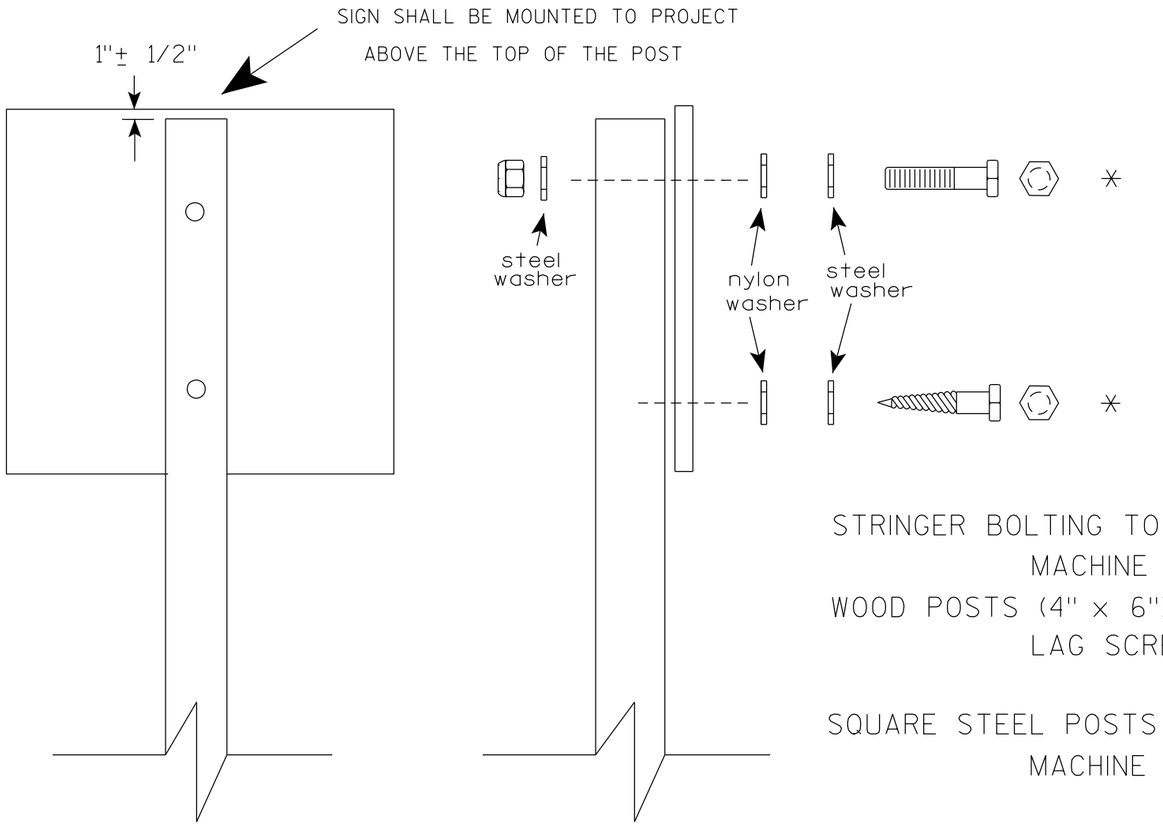
TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 280	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:

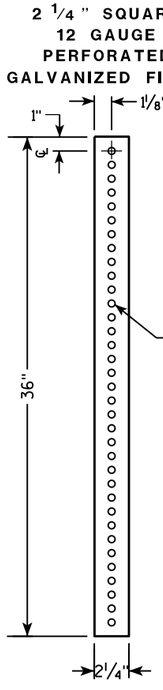
SHEET NO: 281 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 01-APRIL-2020 PLOT BY : dotc4c

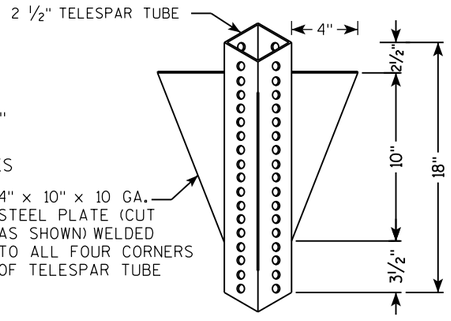
WISDOT/CADDS SHEET 42

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

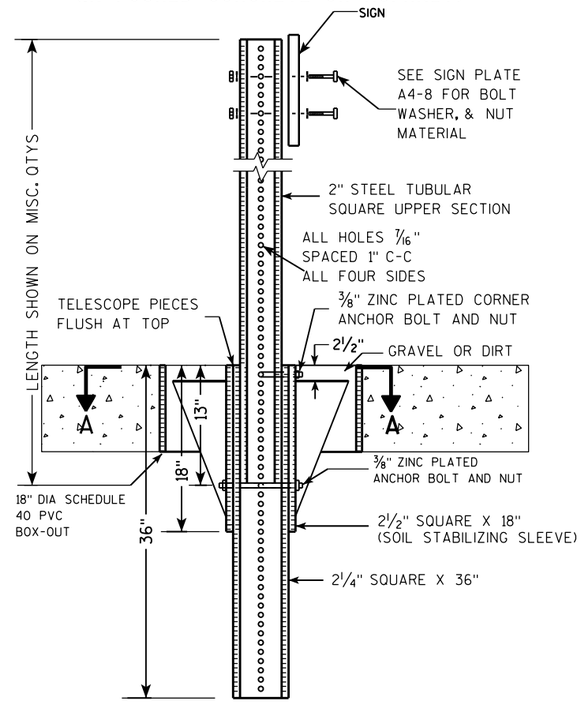
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



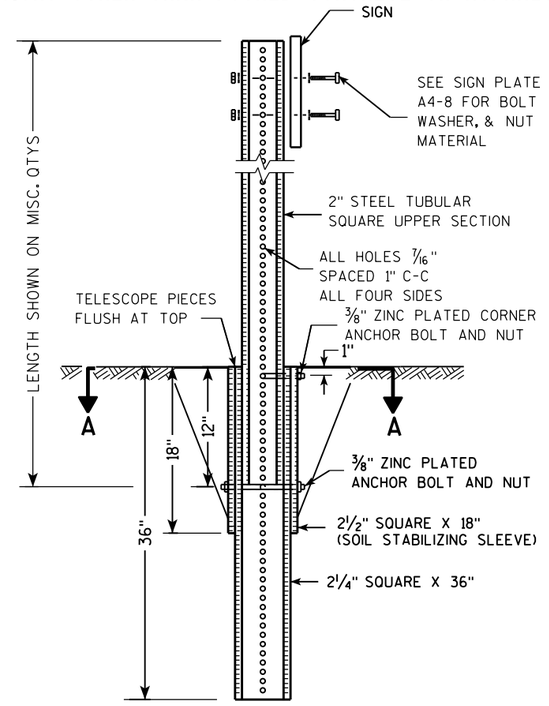
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

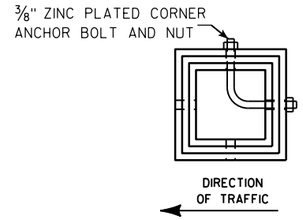


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

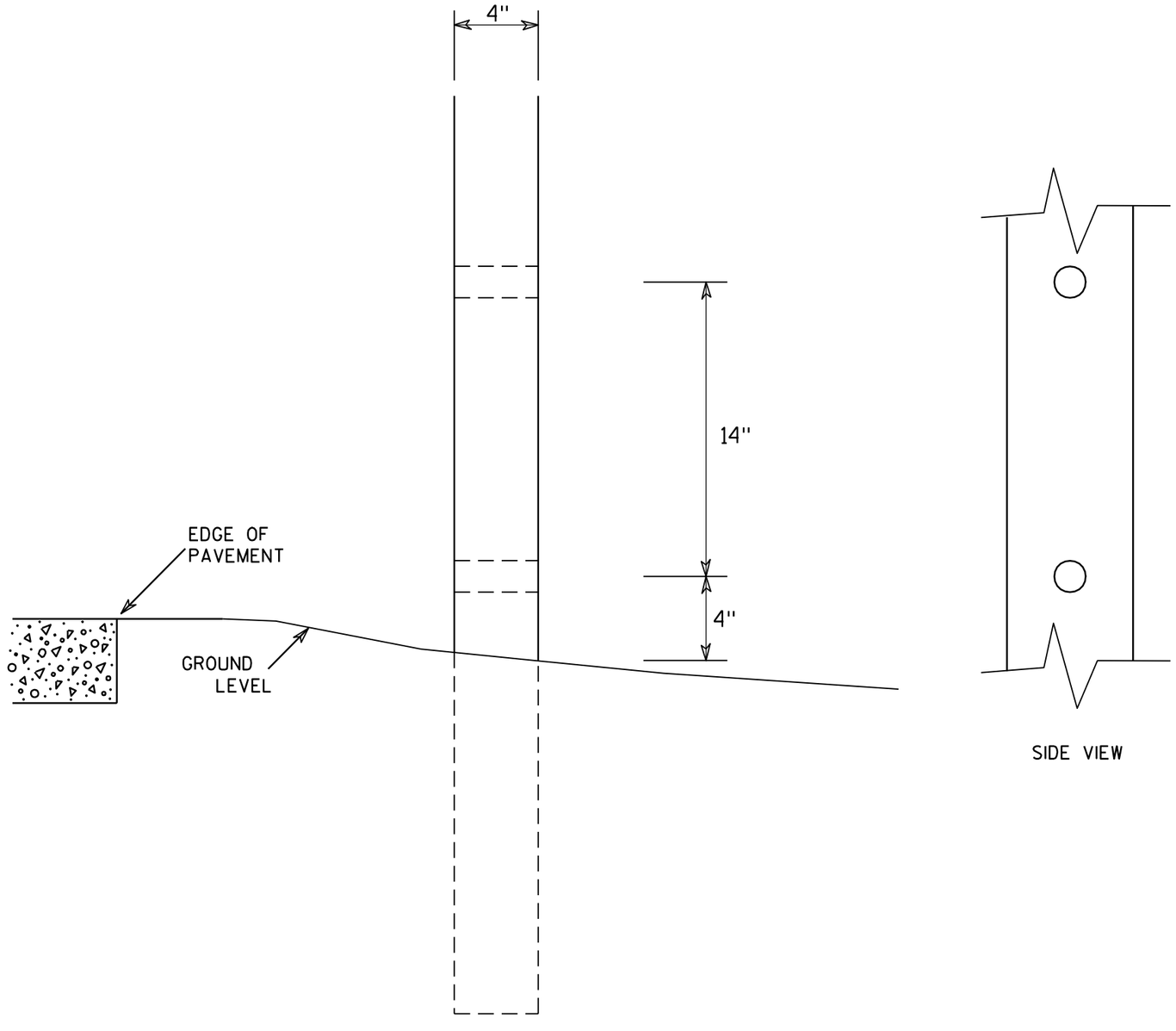
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 282 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

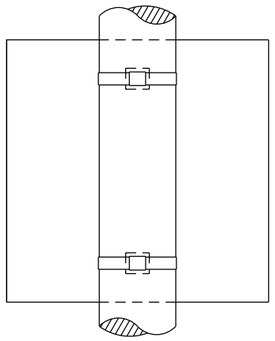
APPROVED Chester J Spang for State Traffic Engineer

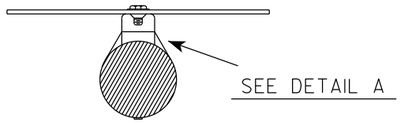
DATE 3/27/97 PLATE NO. A4-11.2

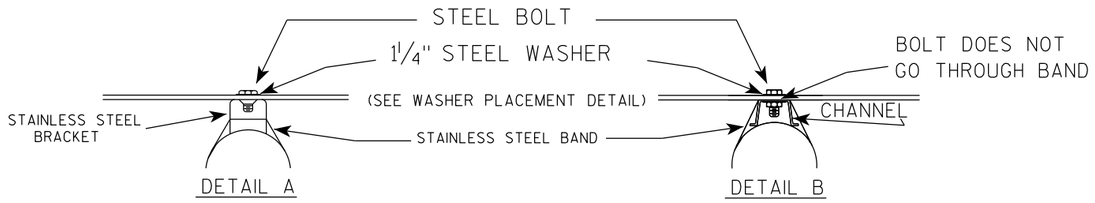
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 283	E

BANDING

SINGLE SIGN



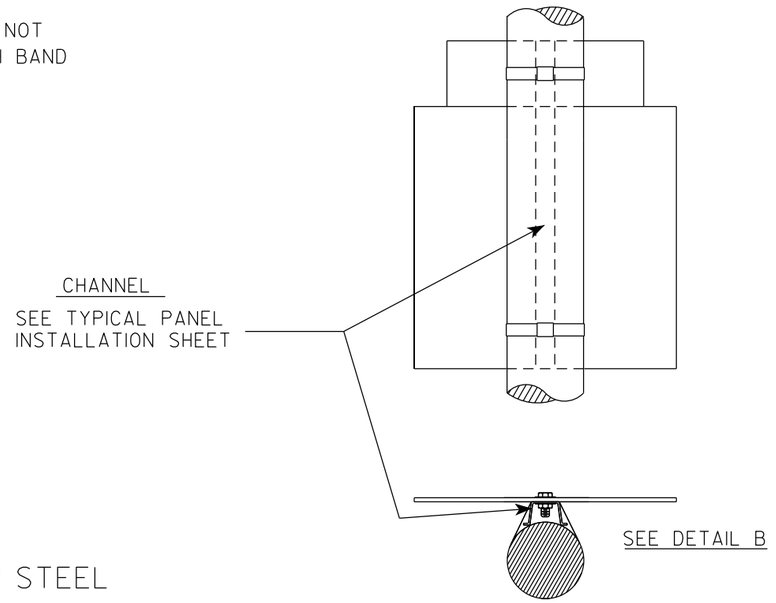




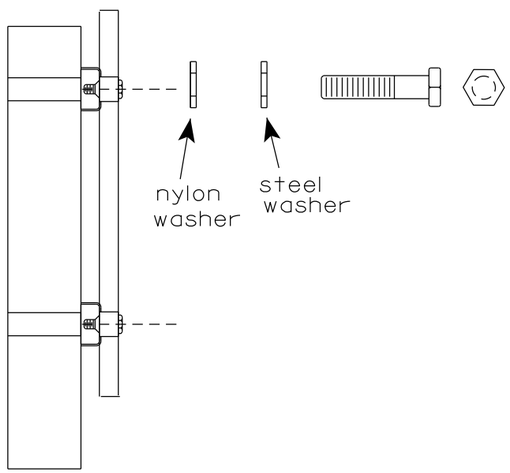
GENERAL NOTES

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



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

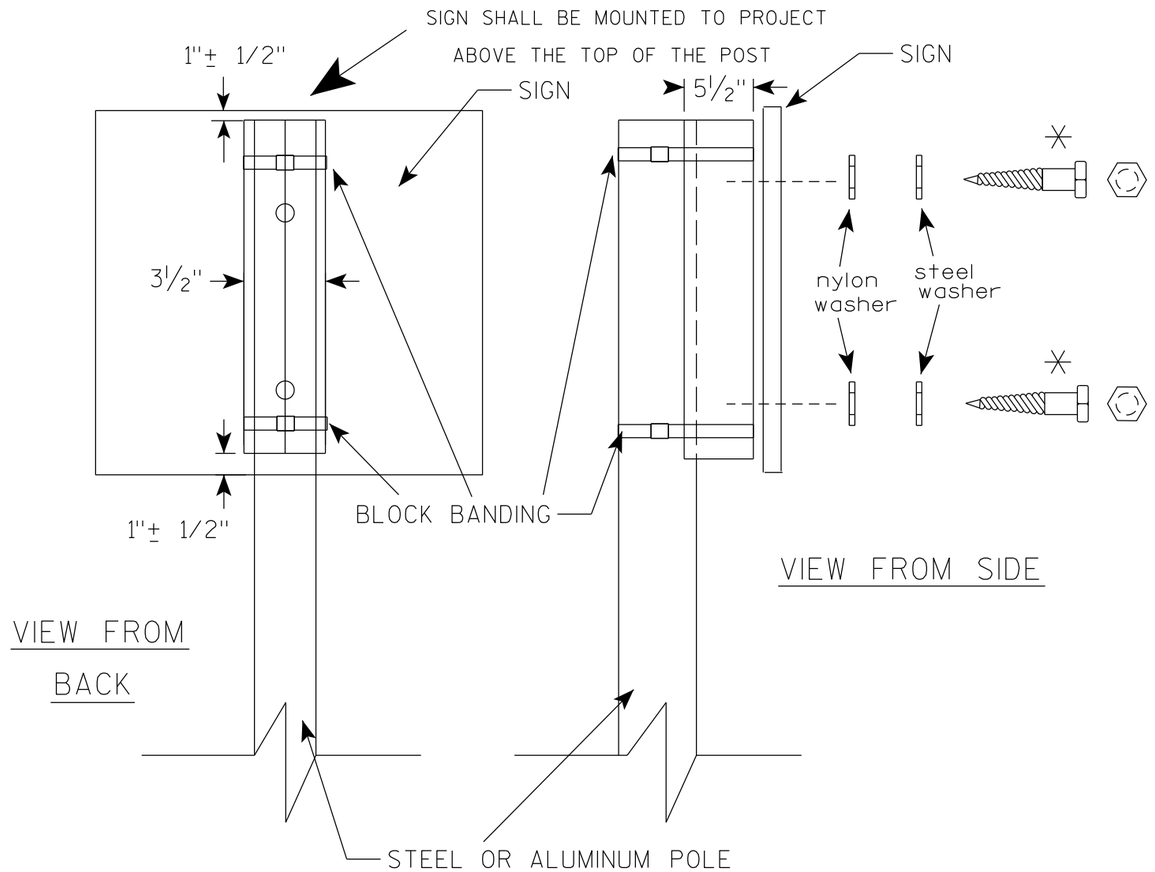
DATE 6/10/19 PLATE NO. A5-9.4

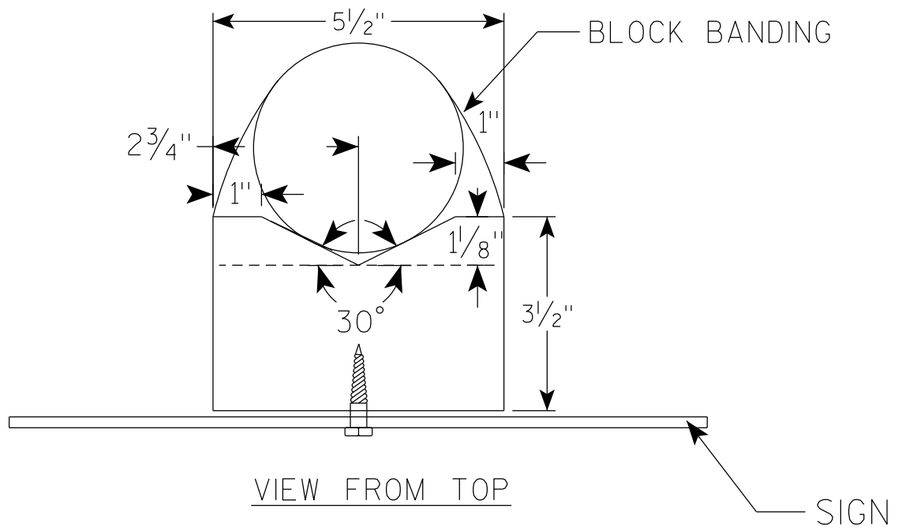
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 284	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

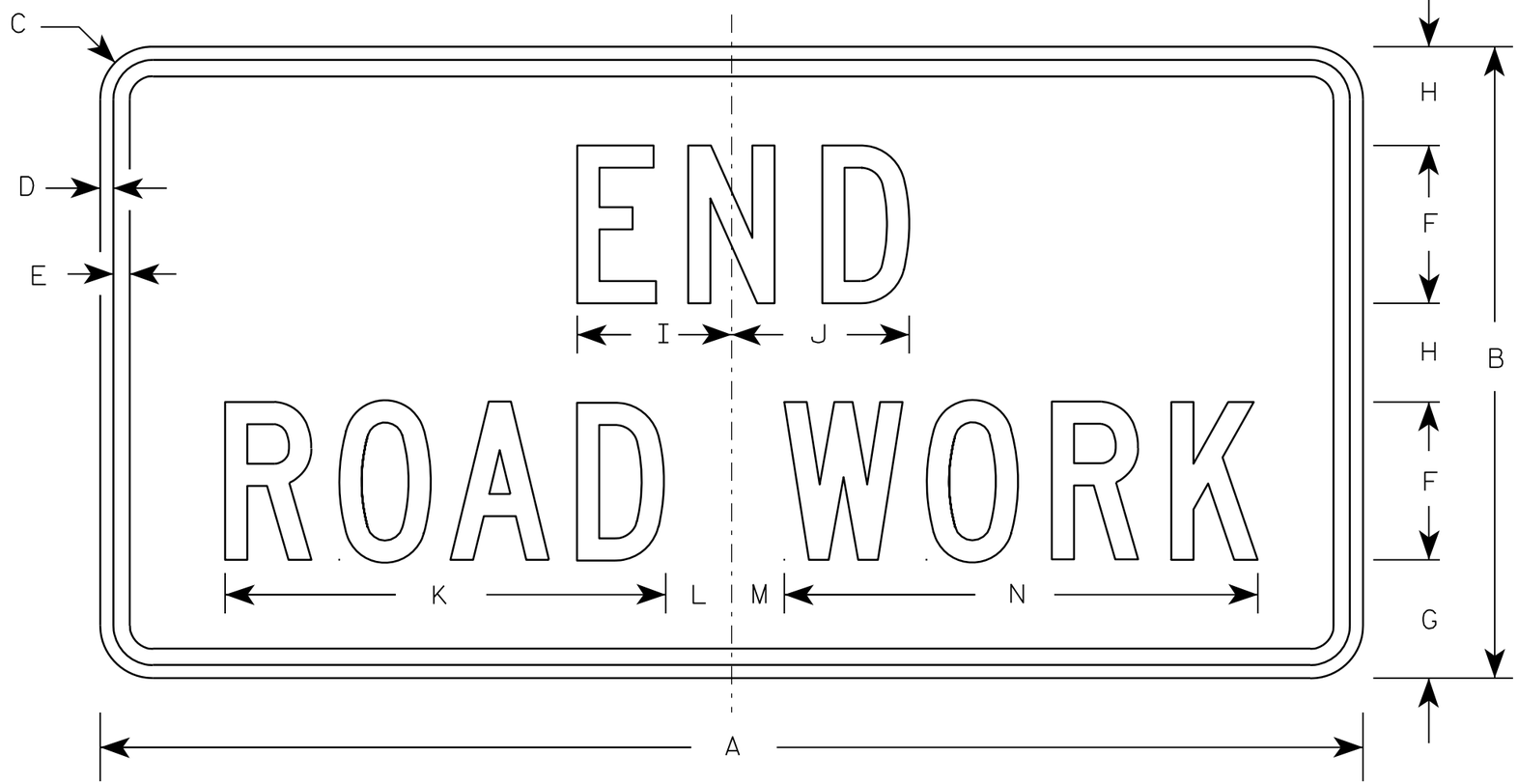
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 285 | E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A510.dgn PLOT DATE : 10-JUN 2019 4:15 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

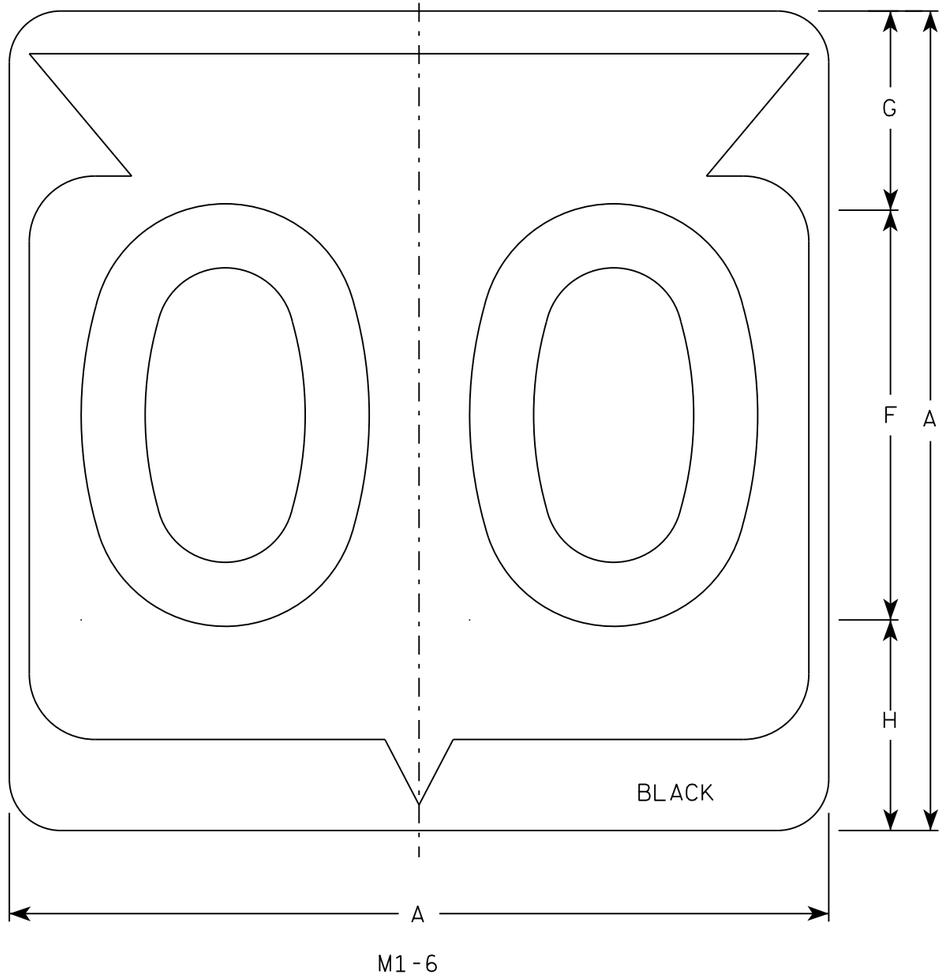
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/30/09 PLATE NO. G20-2A.8

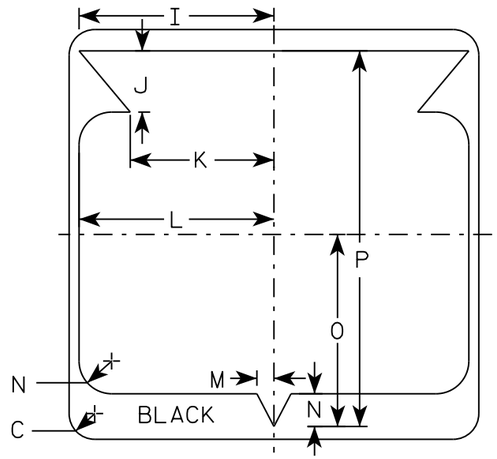
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 286	E



M1-6

NOTES

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



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

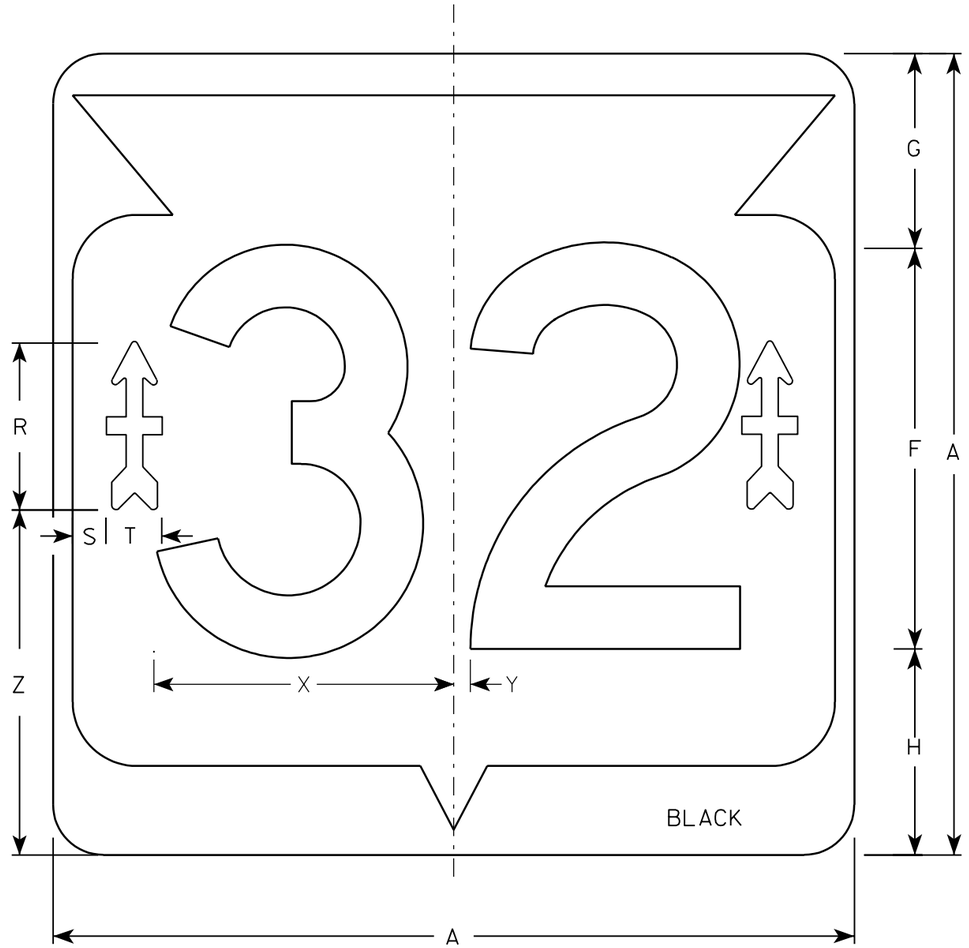
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

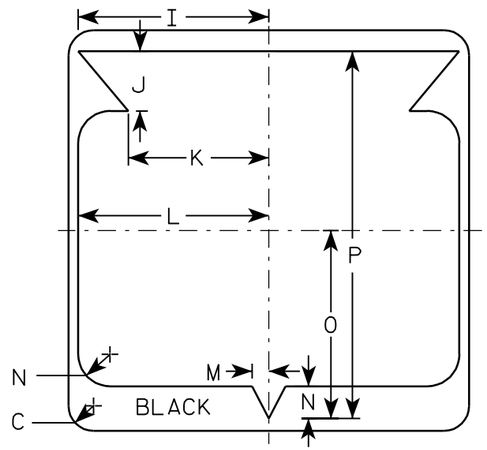
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 287 | E



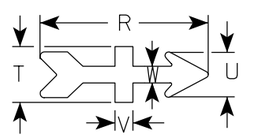
M1-6B

NOTES

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



32nd DIVISION ARROW
ACTUAL SIZE



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 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																												
2	24		1 ½			12	5 ½	6 ½	10 ¼	2 ½	8 ⅞	11 ½	1	1 ⅞	11 ¼	21 ⅞		5 ⅛	¾	1 ⅞	1 ½	⅝	⅝	9	½	10 ½	4.0	.36
3	36		2 ¼			18	8 ¾	9 ¼	15 ⅜	5 ⅜	12 ⅝	17 ⅛	1 ½	2 ⅞	16 ⅞	33		7 ½	1 ½	2 ½	2	⅞	¾	13 ½	¾	15 ½	9.0	.81
4	36		2 ¼			18	8 ¾	9 ¼	15 ⅜	5 ⅜	12 ⅝	17 ⅛	1 ½	2 ⅞	16 ⅞	33		7 ½	1 ½	2 ½	2	⅞	¾	13 ½	¾	15 ½	9.0	.81
5	36		2 ¼			18	8 ¾	9 ¼	15 ⅜	5 ⅜	12 ⅝	17 ⅛	1 ½	2 ⅞	16 ⅞	33		7 ½	1 ½	2 ½	2	⅞	¾	13 ½	¾	15 ½	9.0	.81

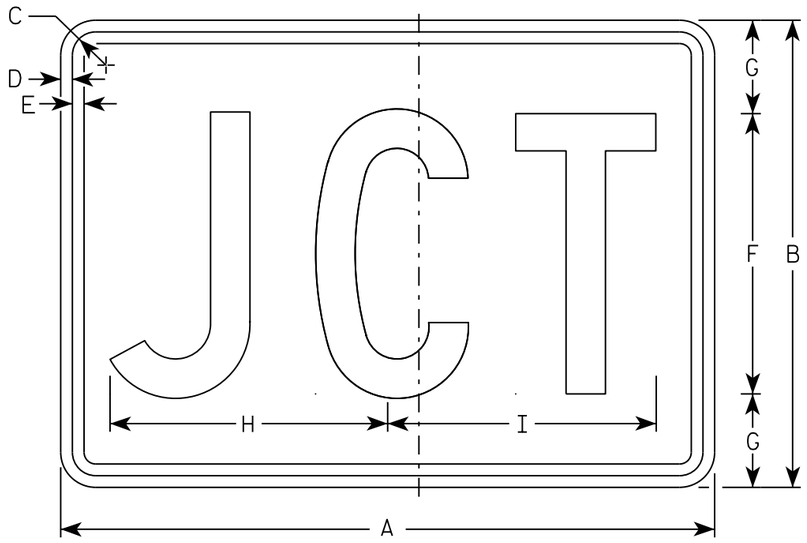
STATE ROUTE MARKER "32"
M1-6B FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

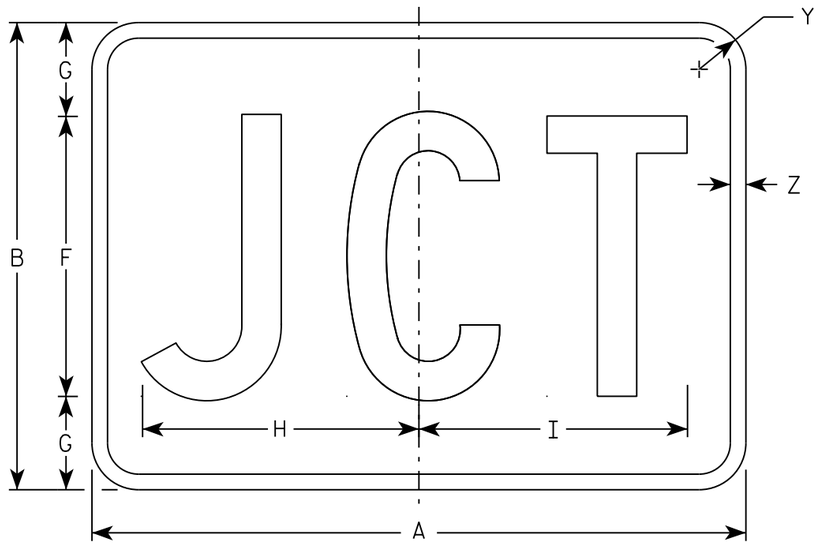
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 12/5/05 PLATE NO. M1-6B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 288 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

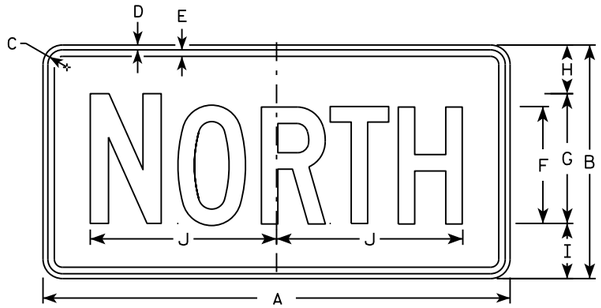
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

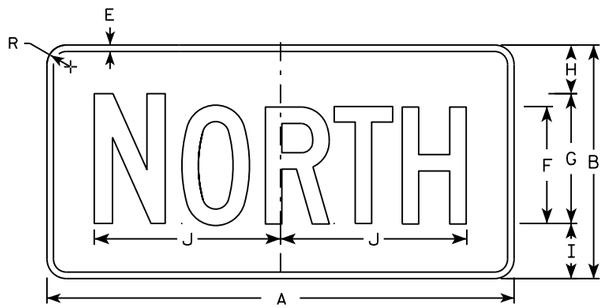
DATE 10/15/15 PLATE 289 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



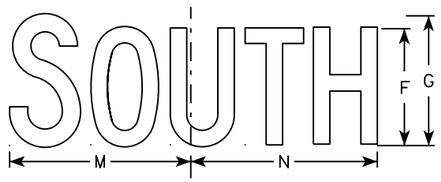
MB3-1
MK3-1
MN3-1



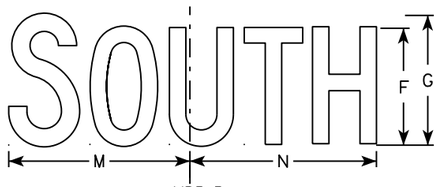
M3-2
MM3-2
MP3-2



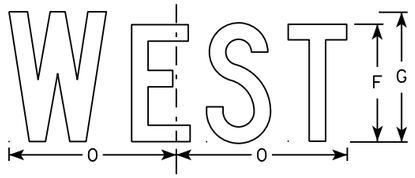
MB3-2
MK3-2
MN3-2



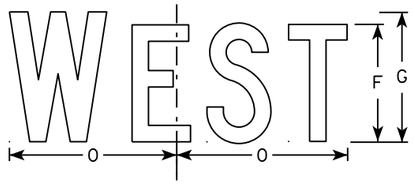
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

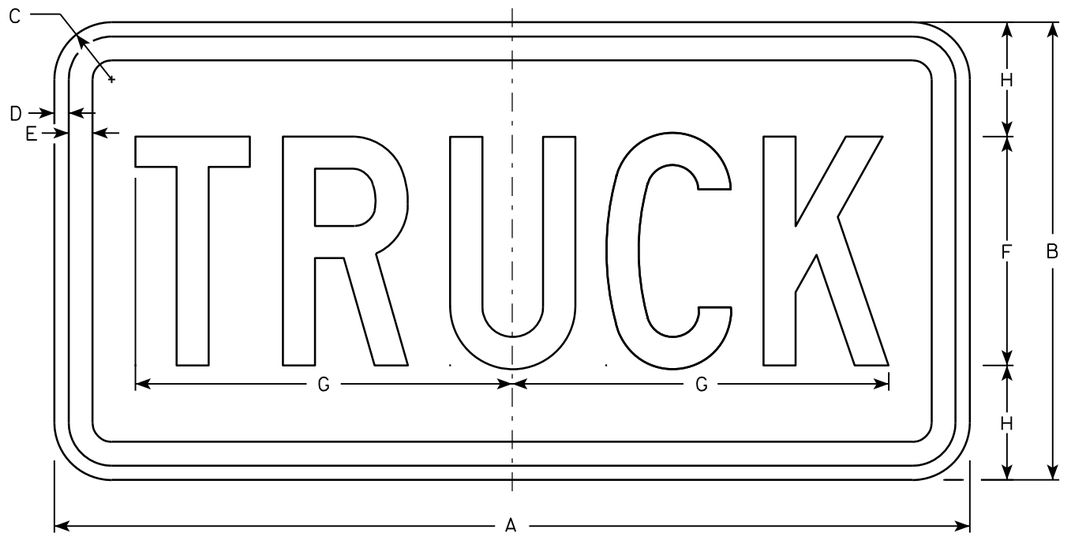
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO M3-1.14

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



M4-4

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White - See Note 5
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Permanent Signs
   Background - Type H Reflective
   Temporary or other temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/2	3/8	3/8	6	9 7/8	3																			2.0
3	36	18	1 1/2	3/8	1/2	9	15 5/8	4 1/2																			4.5
4																											
5																											

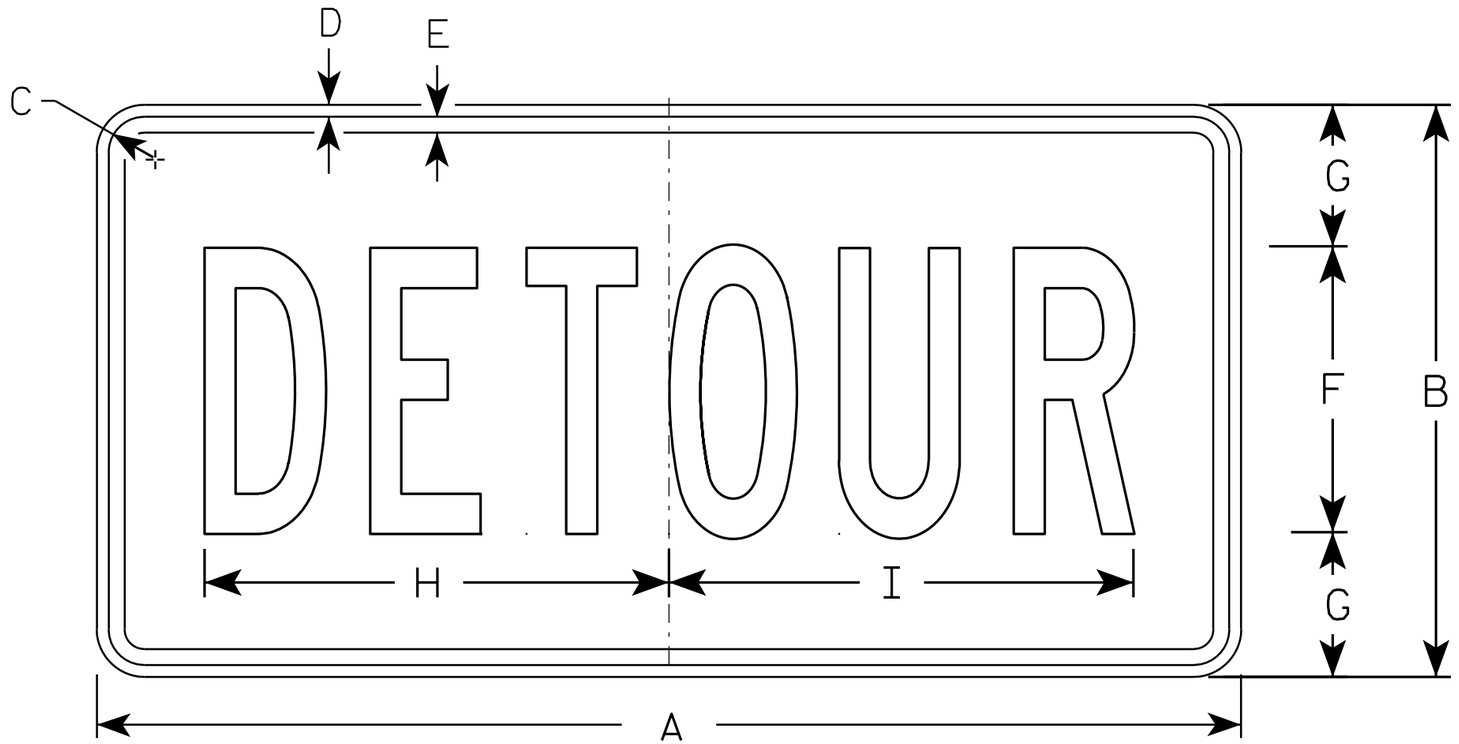
STANDARD SIGN
M4-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 291 | E



M4-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

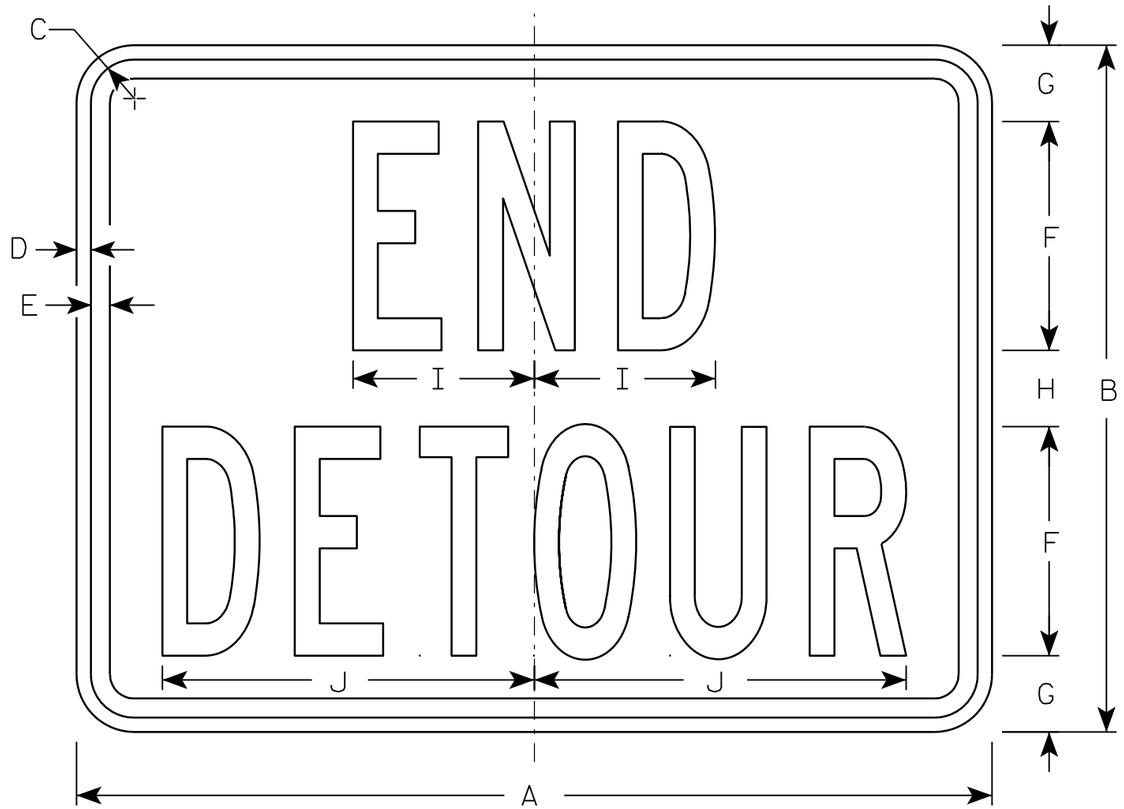
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 292	E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - B
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

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

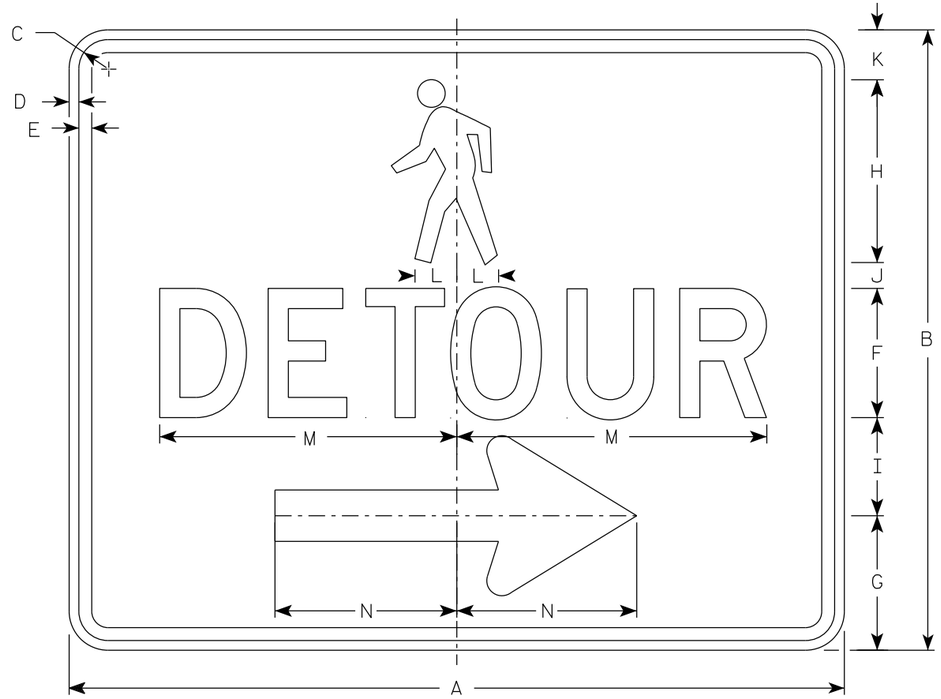
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

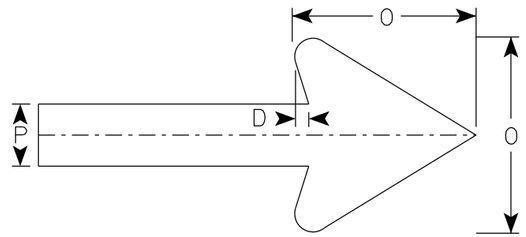
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 293	E



M4-9BR

NOTES

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



Arrow Detail

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

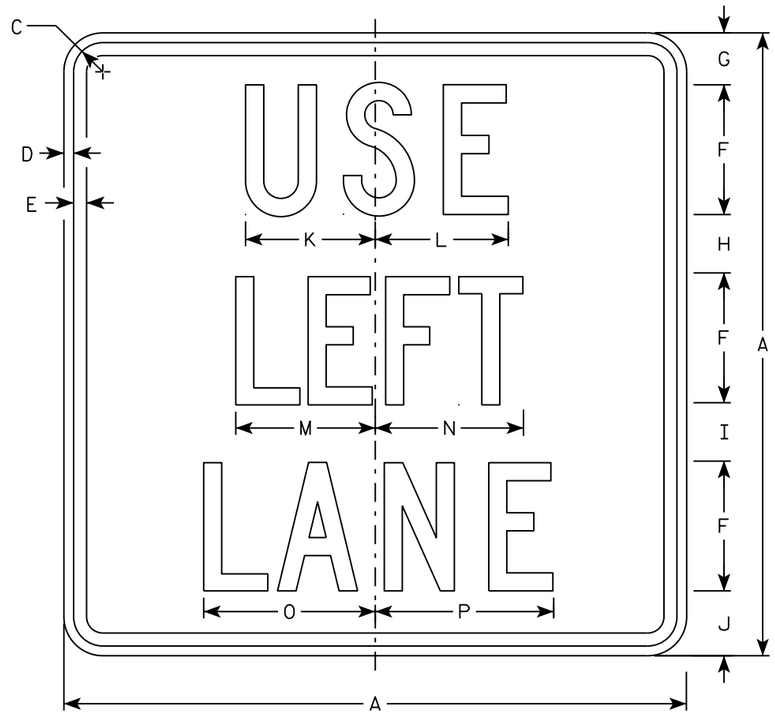
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

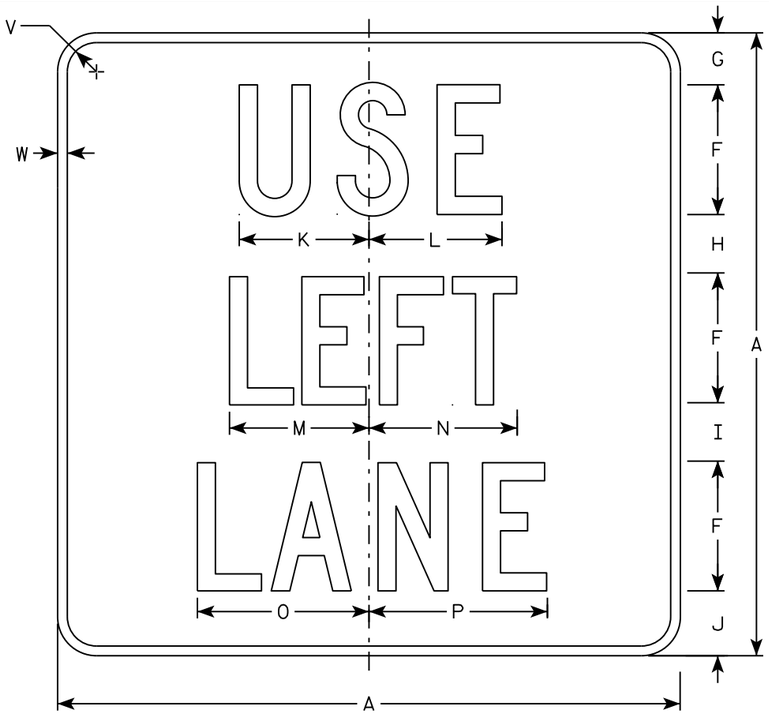
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 294 | E



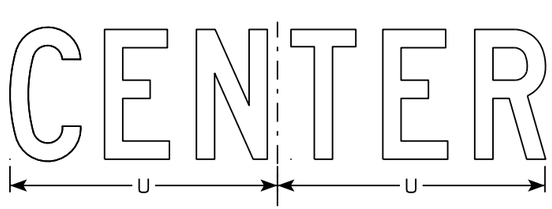
M4-20L



MB4-20L

M4-20L
MM4-20L
M04-20L
MP4-20L

MB4-20L
MK4-20L
MN4-20L
MR4-20L



M4-20C
MB4-20C
MK4-20C
MM4-20C
MN4-20C
M04-20C
MP4-20C
MR4-20C



M4-20R
MB4-20R
MK4-20R
MM4-20R
MN4-20R
M04-20R
MP4-20R
MR4-20R

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-20 Background - White
   Message - Black
   MB4-20 Background - Blue
   Message - White
   MK4-20 Background - Green
   Message - White
   MM4-20 Background - White
   Message - Green
   MN4-20 Background - Brown
   Message - White
   M04-20 Background - Orange - Type F Reflective
   Message - Black
   MP4-20 Background - White
   Message - Blue
   MR4-20 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
3	36		1 5/8	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
4																											
5																											

STANDARD SIGN
M4-20

WISCONSIN DEPT OF TRANSPORTATION

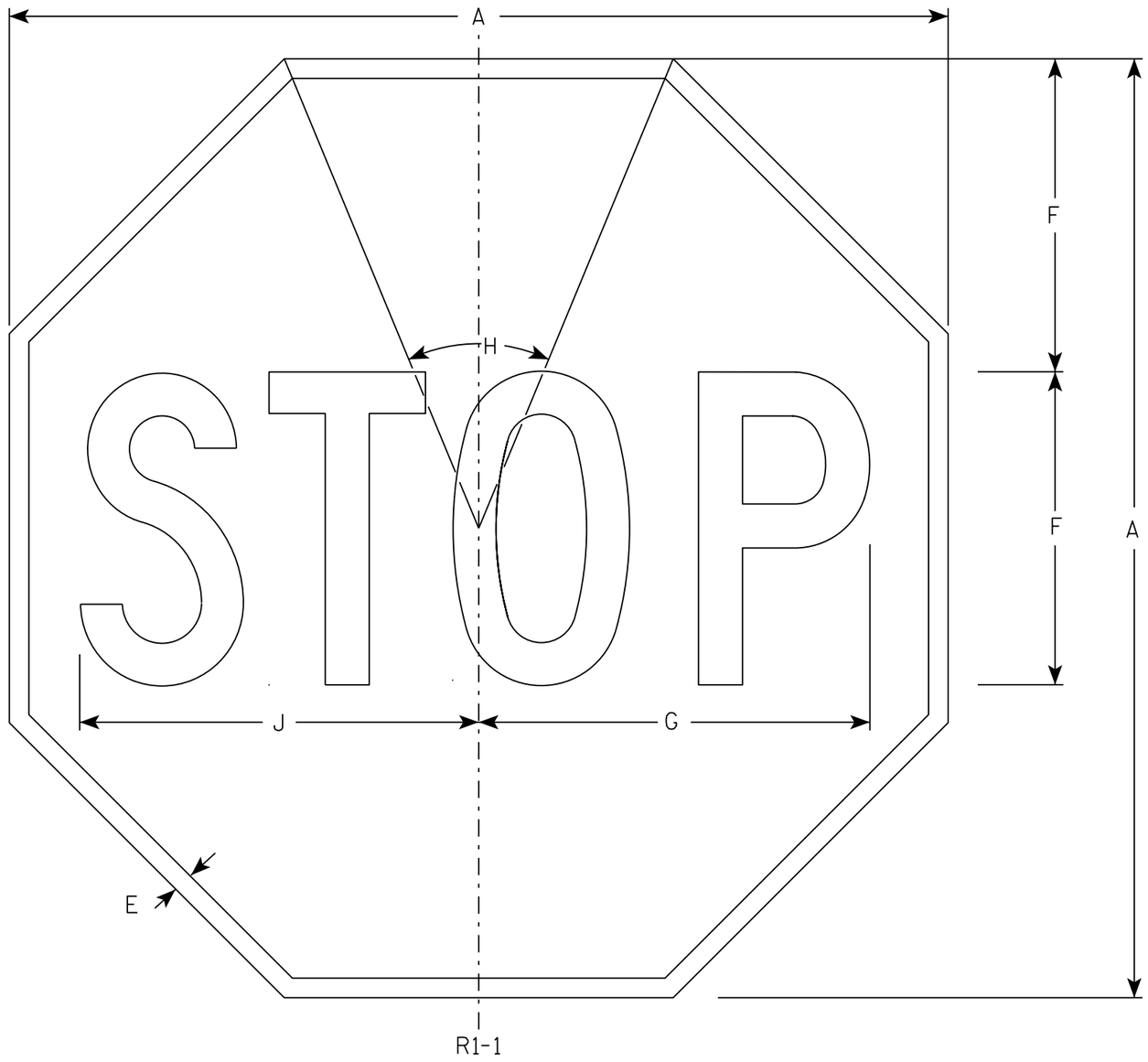
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 10/15/15 PLATE NO M4-20.5

295

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M420.DGN PLOT DATE : 01-DEC-2015 18:03 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.837526:1.000000



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

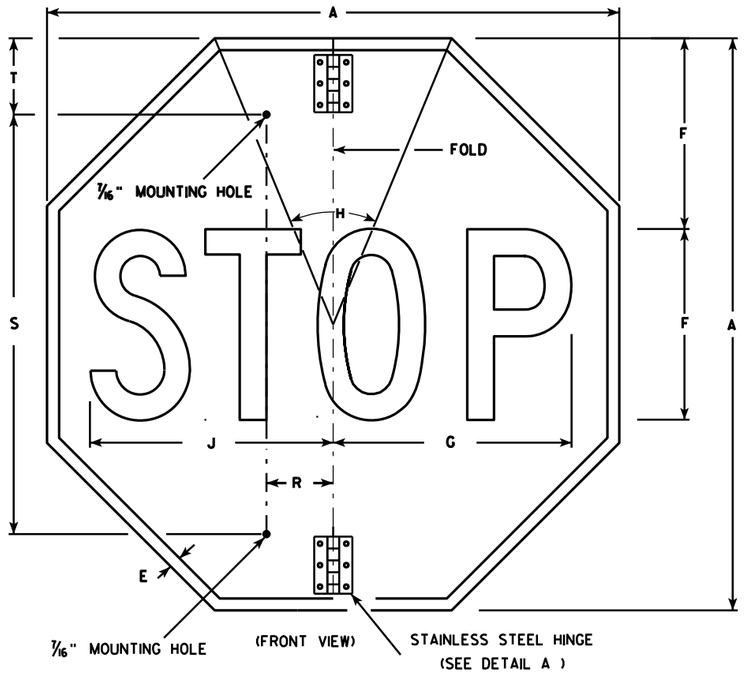
STANDARD SIGN
R1-1

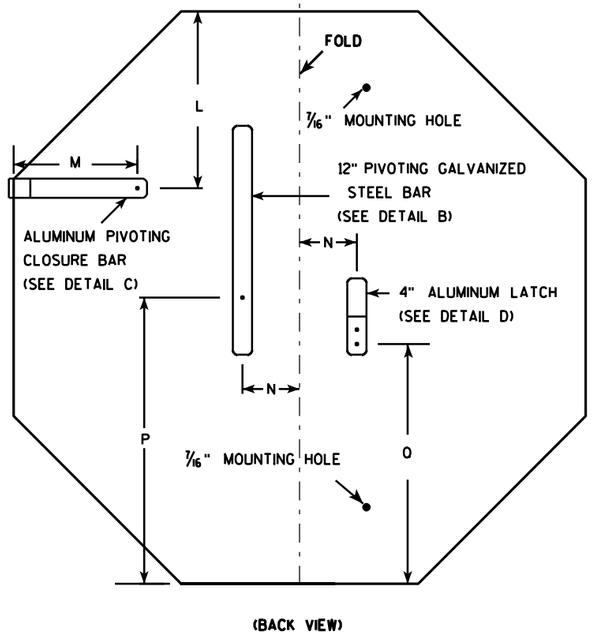
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

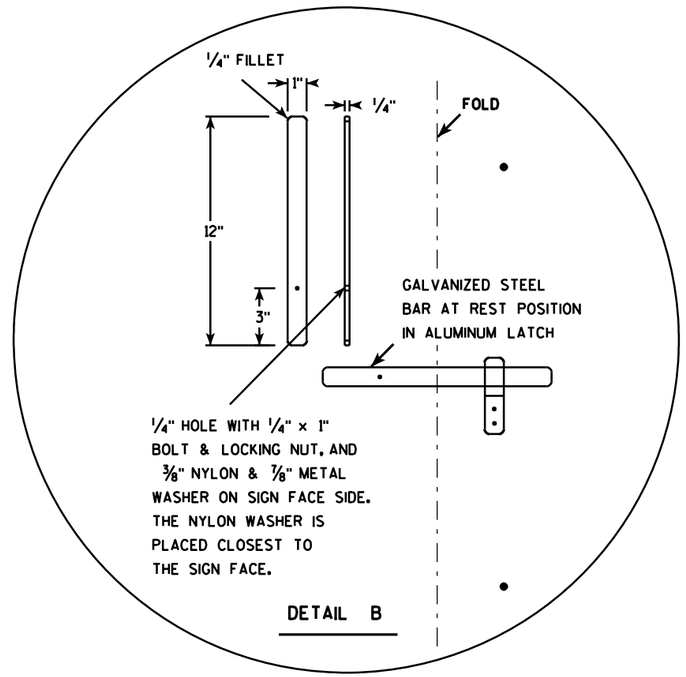
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 296	E



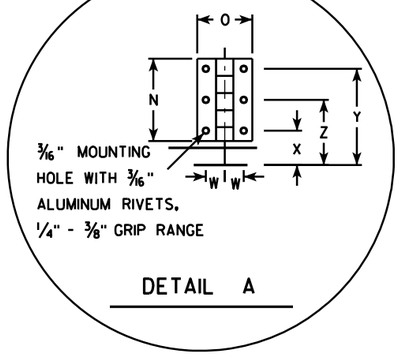


NOTES

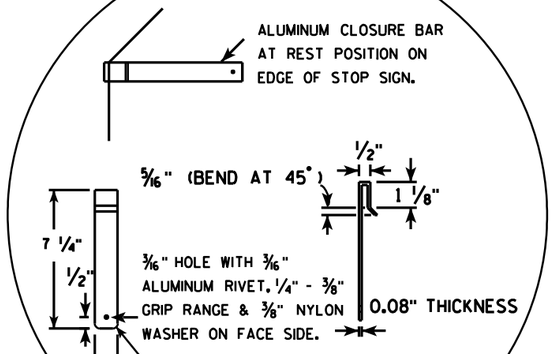
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.



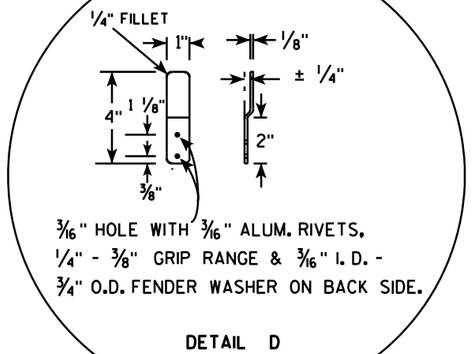
DETAIL B



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																											

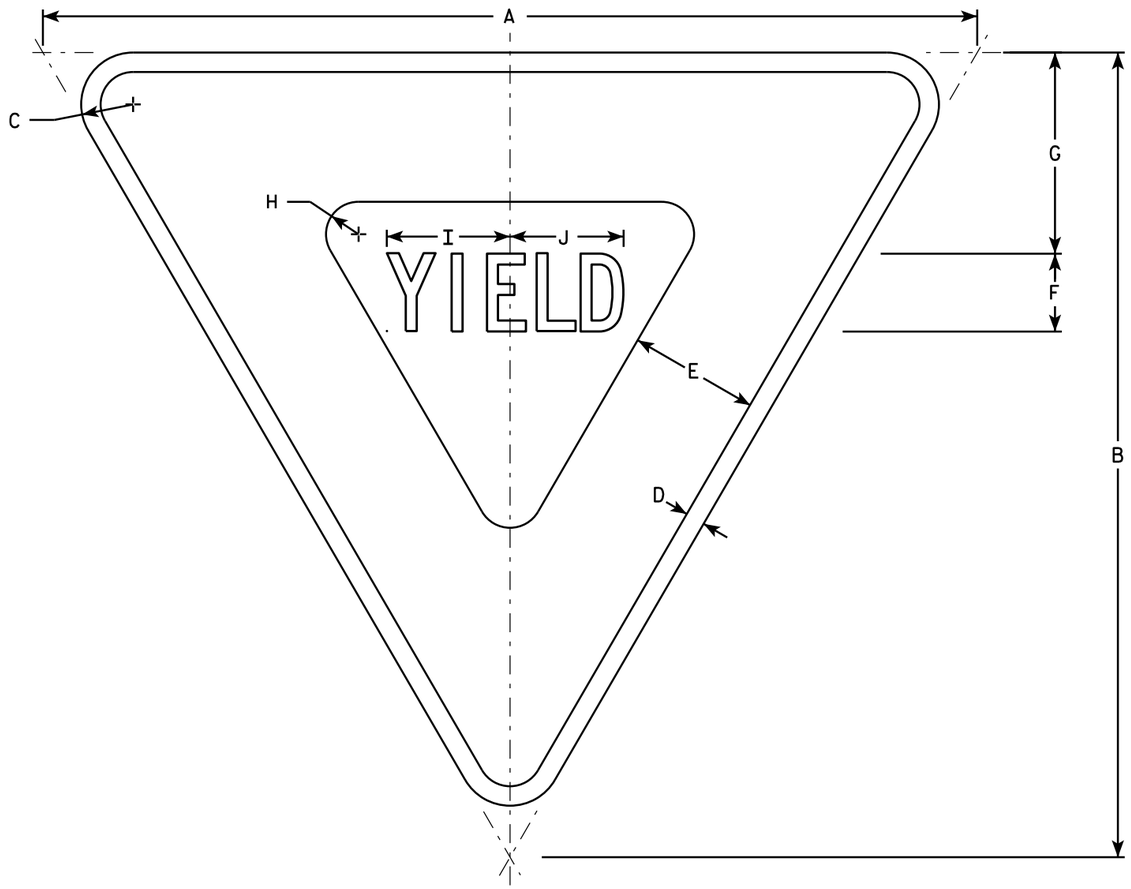
STANDARD SIGN
R1-1F

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: 297 | E



R1-2

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 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

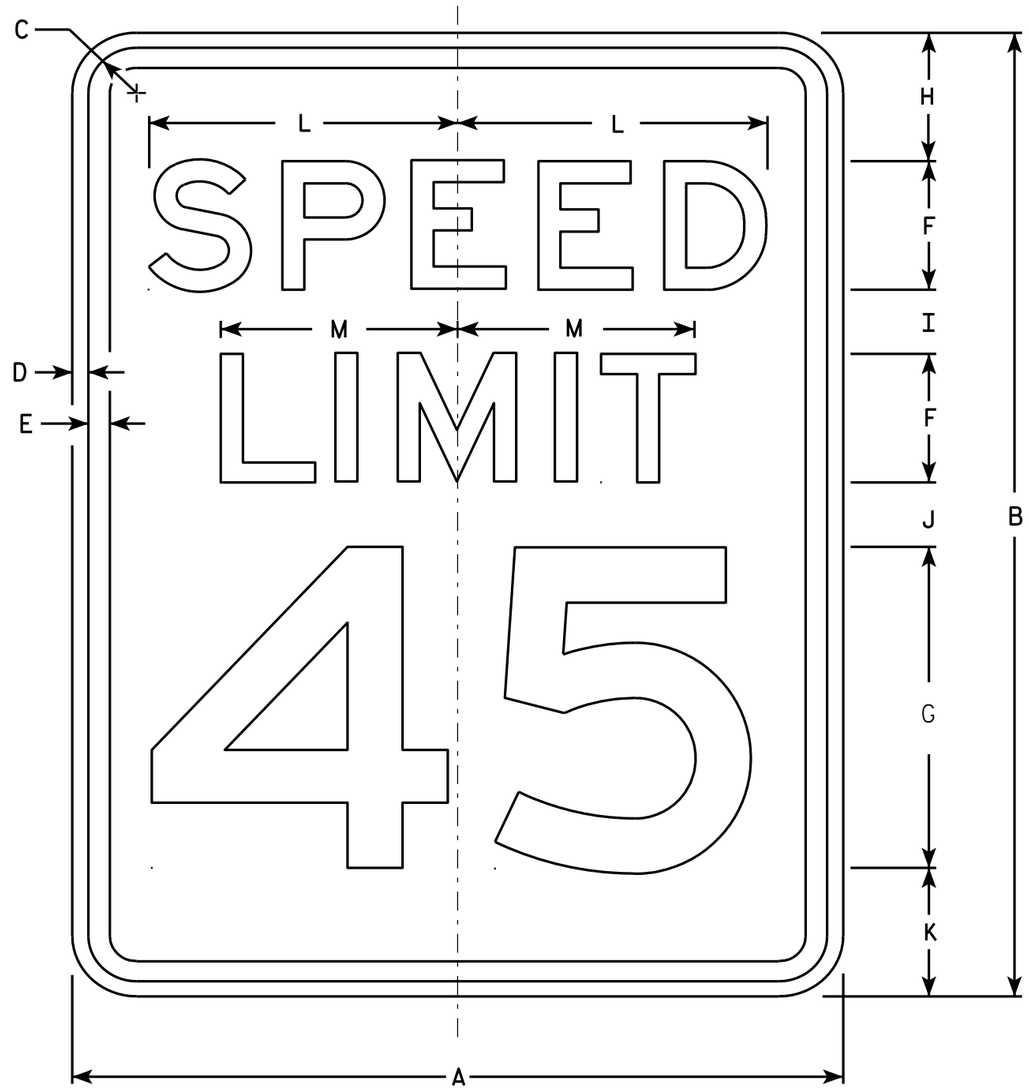
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



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

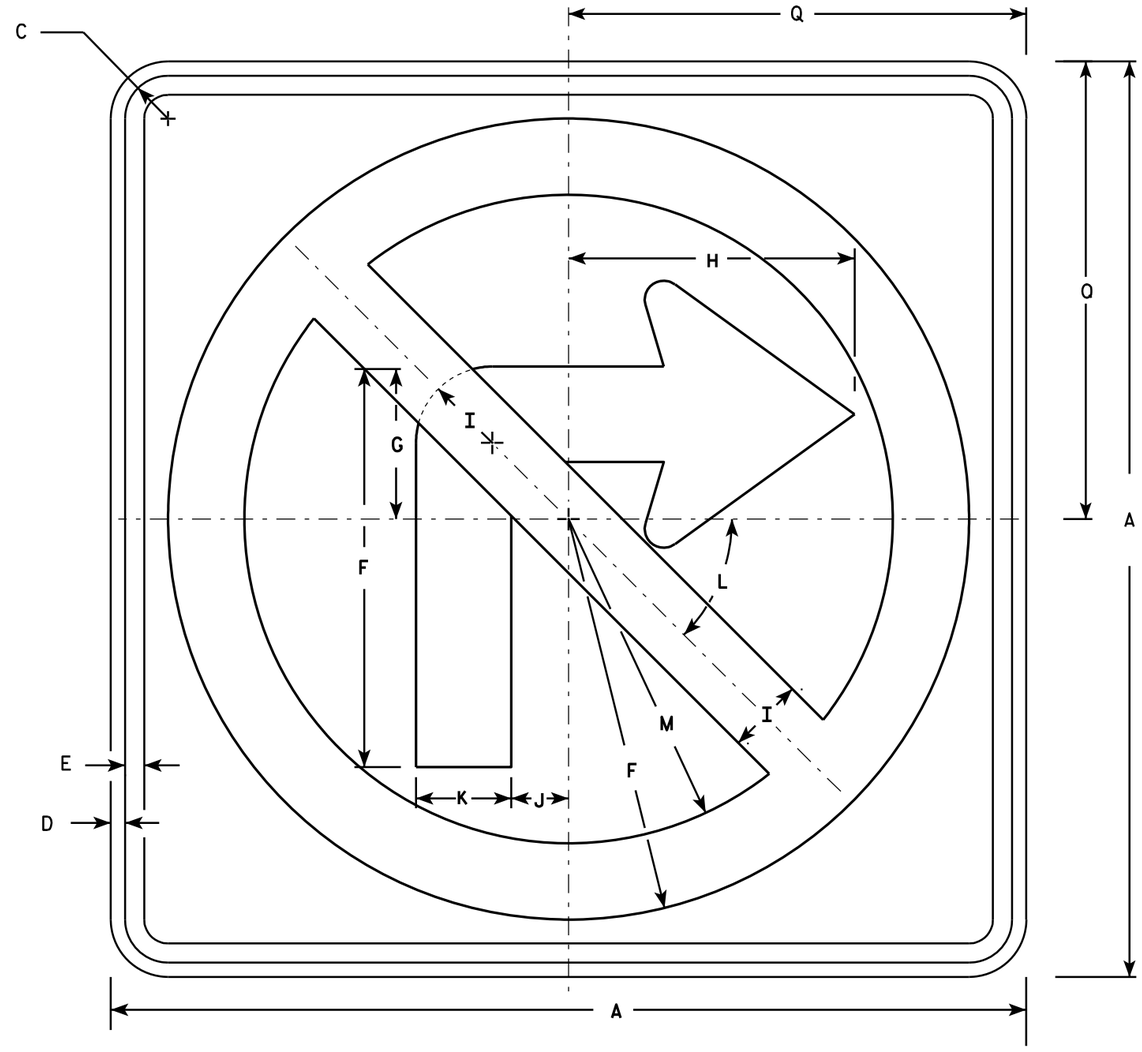
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

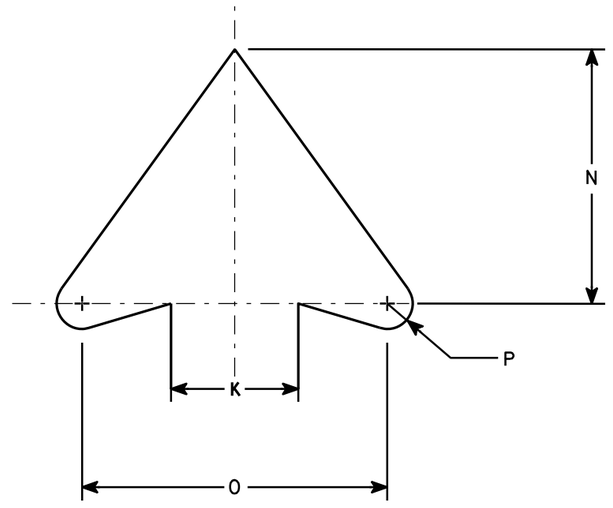
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 299 | E



R3-1

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

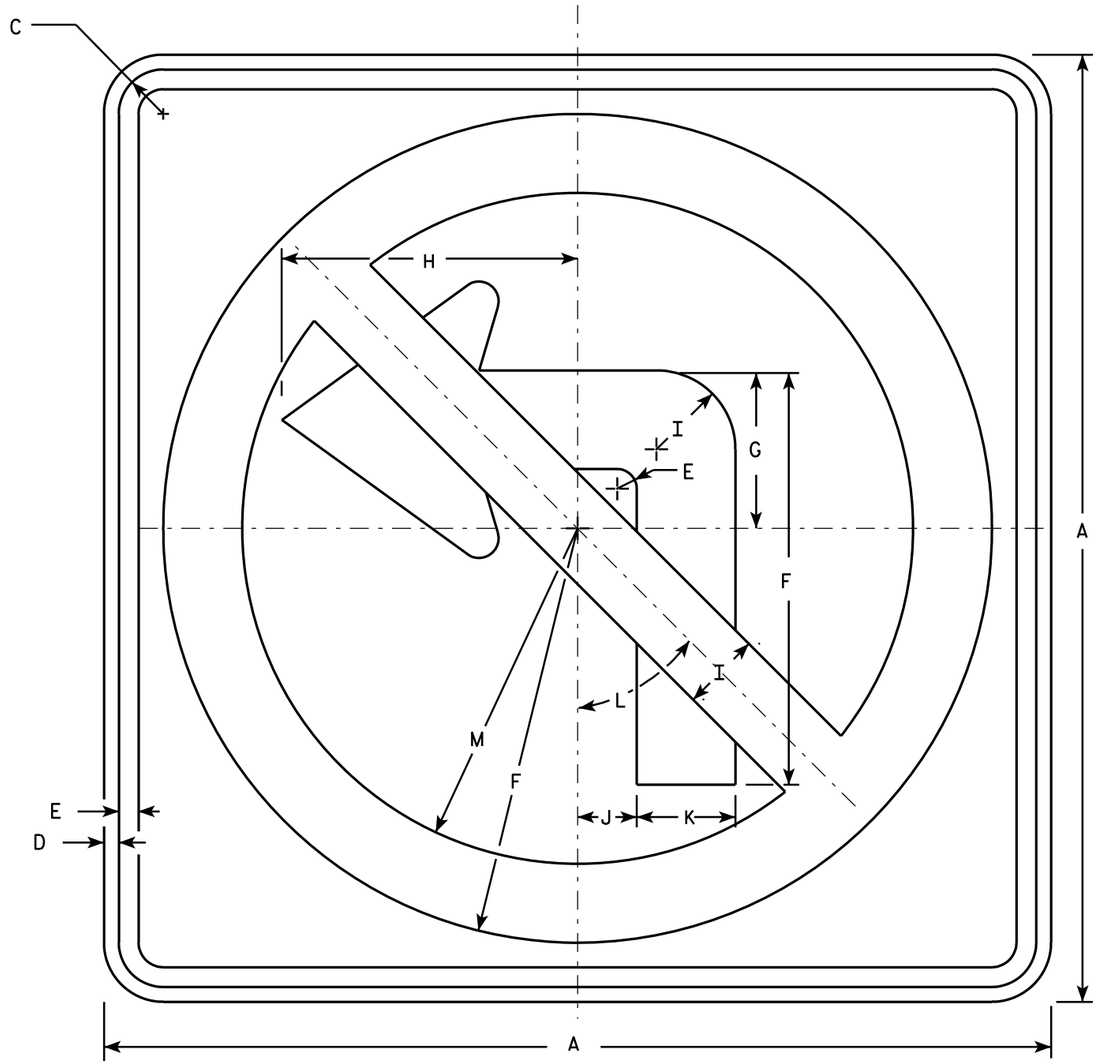
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

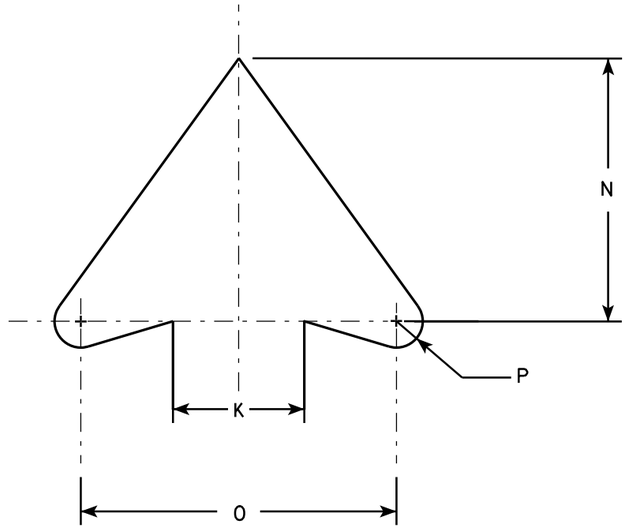
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 300	E



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

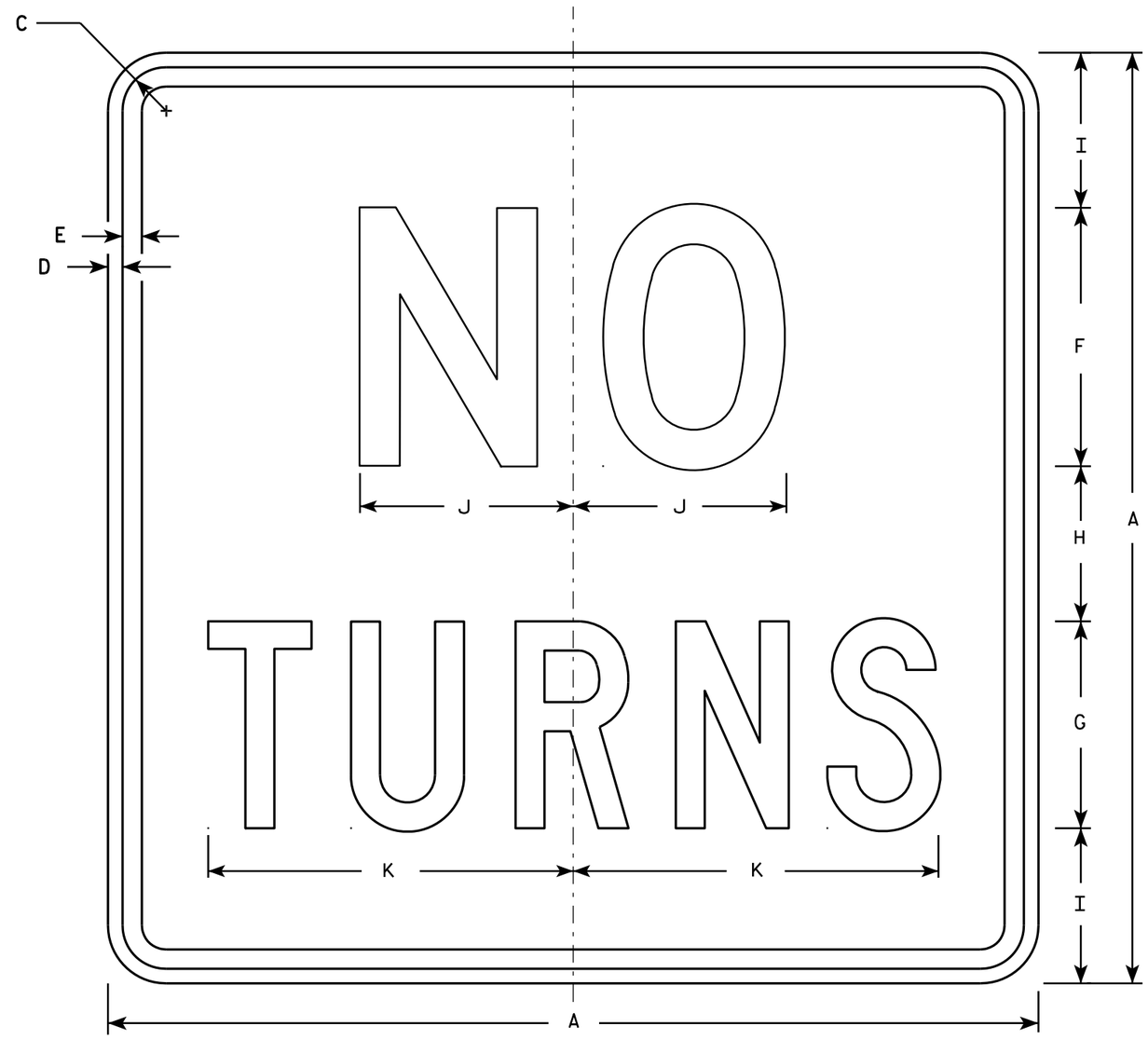
STANDARD SIGN
R3-2

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: 301	E



R3-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D and Line 2 is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2	6	5	4	4 1/2	5 1/8	8 3/4																4.0
2M	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
3	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
4	36		1 5/8	5/8	3/4	10	8	6	6	8 1/4	14 1/8																9.0
5	48		2 1/4	3/4	1	12	10	8	9	10 1/4	17 5/8																16.0

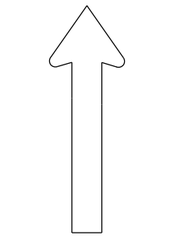
STANDARD SIGN
R3-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-3.10

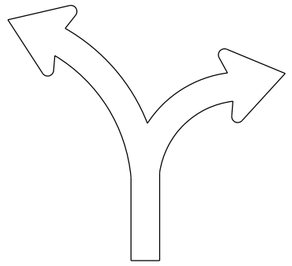
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 302 | E

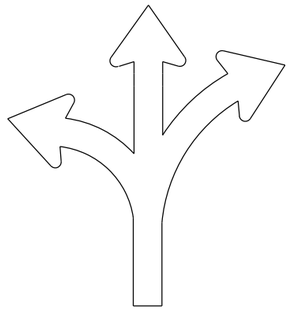


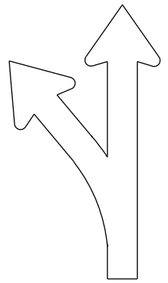
(A)

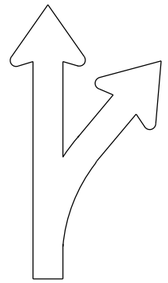


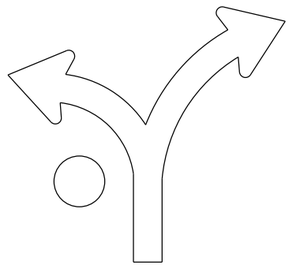
(B)

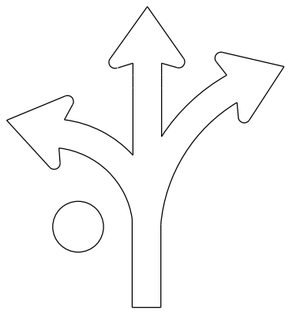

(C)

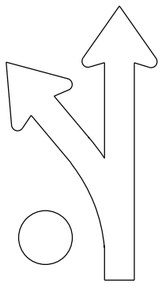

(D)


(E)


(F)

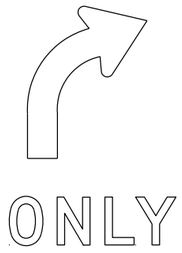

(G)


(H)

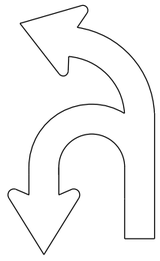

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1 Letter =	3.75 sq ft	for Size 2
	6.0 sq ft	for Size 3
	10.0 sq ft	for Size 4 or 5
2 Letters =	7.5 sq ft	for Size 2
	12.0 sq ft	for Size 3
	20.0 sq ft	for Size 4 or 5
3 Letters =	11.25 sq ft	for Size 2
	18.0 sq ft	for Size 3
	30.0 sq ft	for Size 4 or 5
4 Letters =	15.0 sq ft	for Size 2
	24.0 sq ft	for Size 3
	40.0 sq ft	for Size 4 or 5
5 Letters =	18.75 sq ft	for Size 2
	30.0 sq ft	for Size 3
	50.0 sq ft	for Size 4 or 5
6 Letters =	22.5 sq ft	for Size 2
	36.0 sq ft	for Size 3
	60.0 sq ft	for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

7

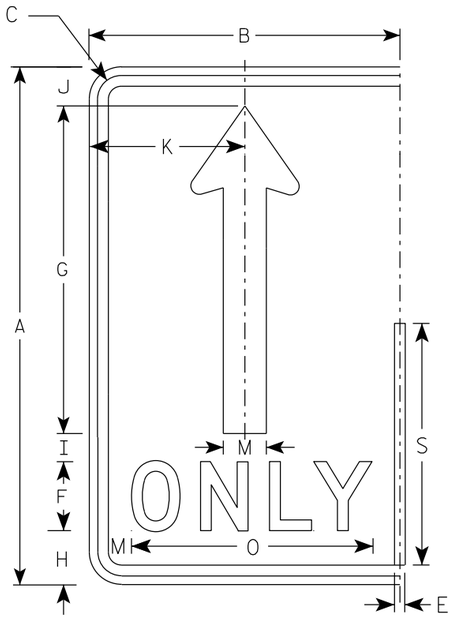
7

PROJECT NO:

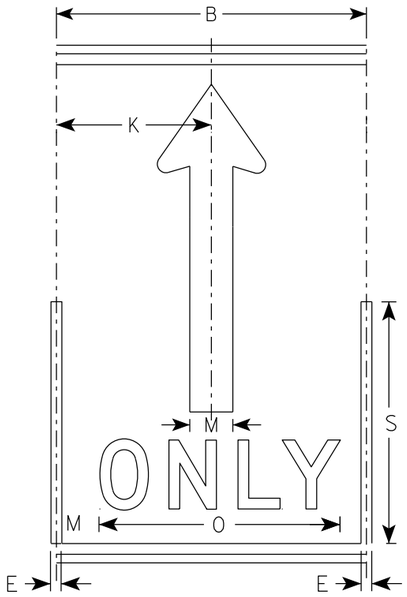
SHEET NO: 303 E

NOTES

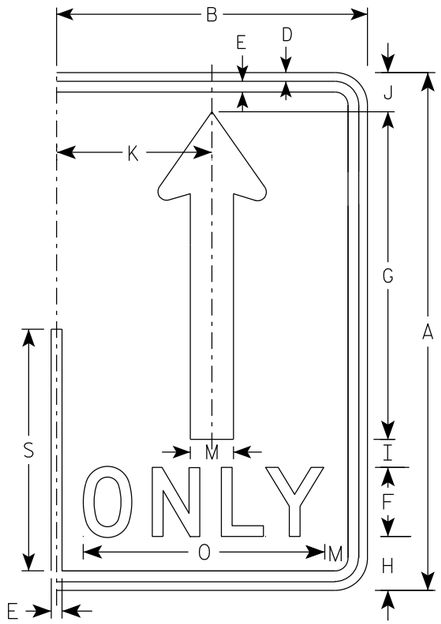
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



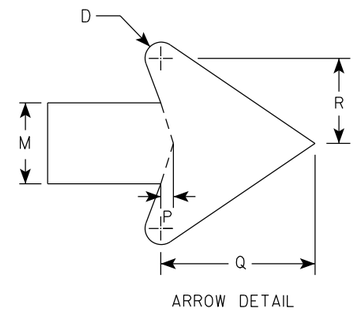
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

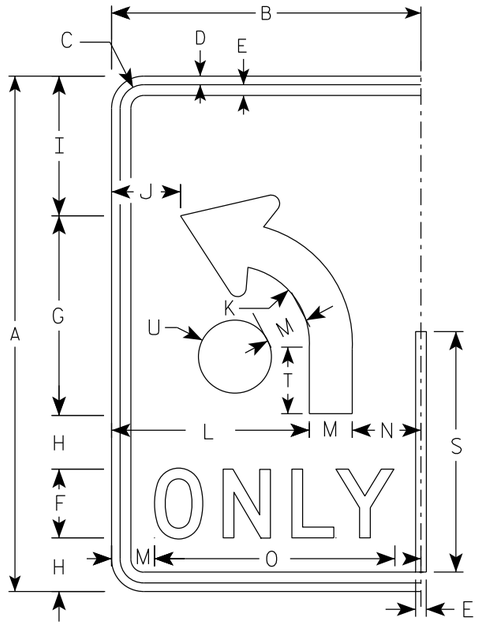
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

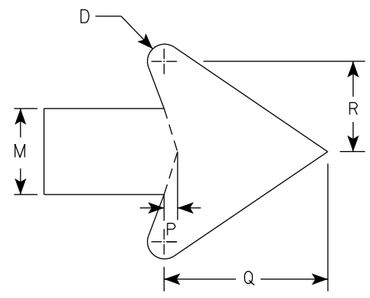
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 304 | E

NOTES

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



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

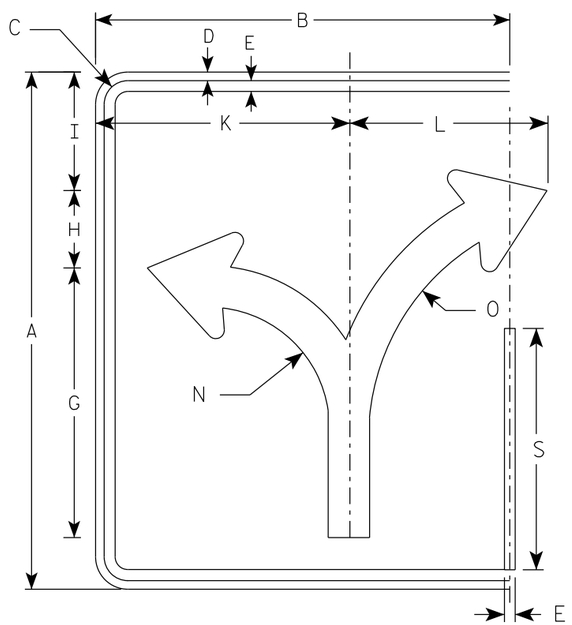
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

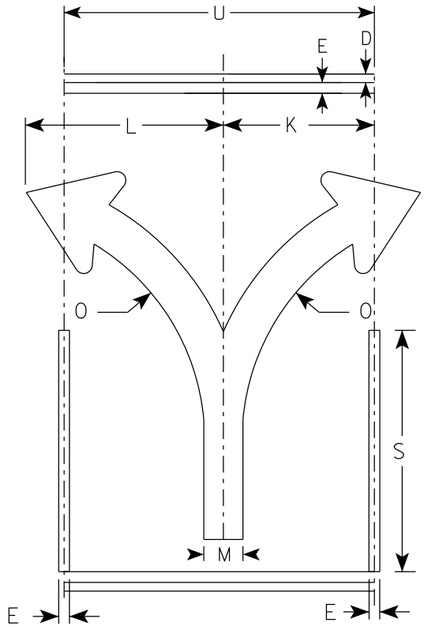
SHEET NO: 305 E

NOTES

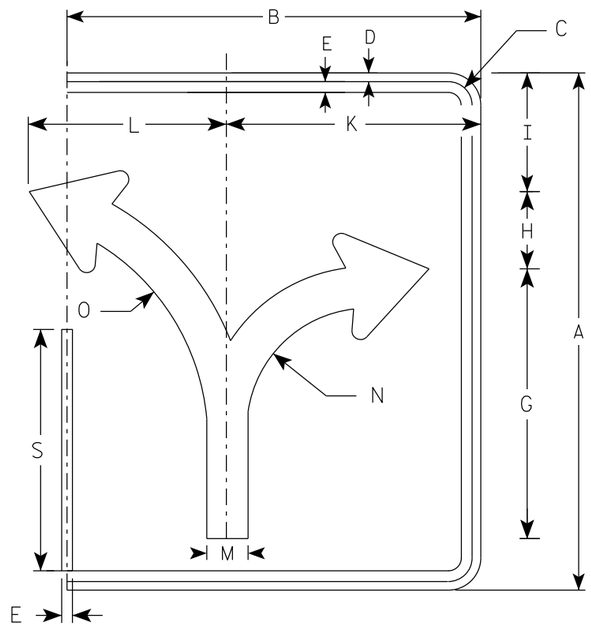
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



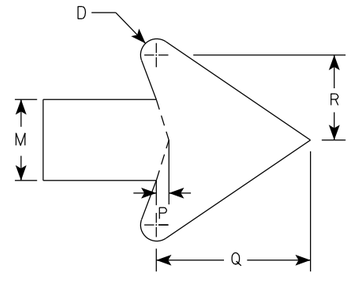
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

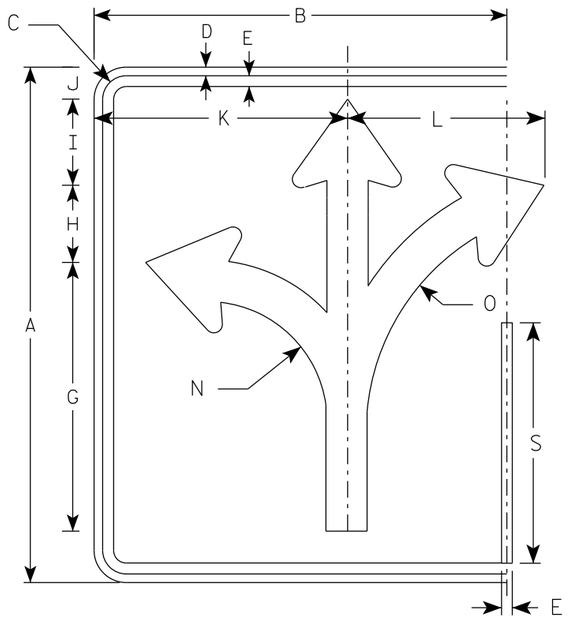
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

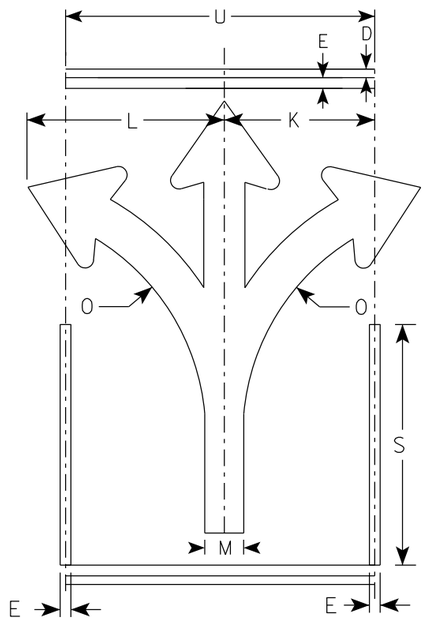
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 306 | E

NOTES

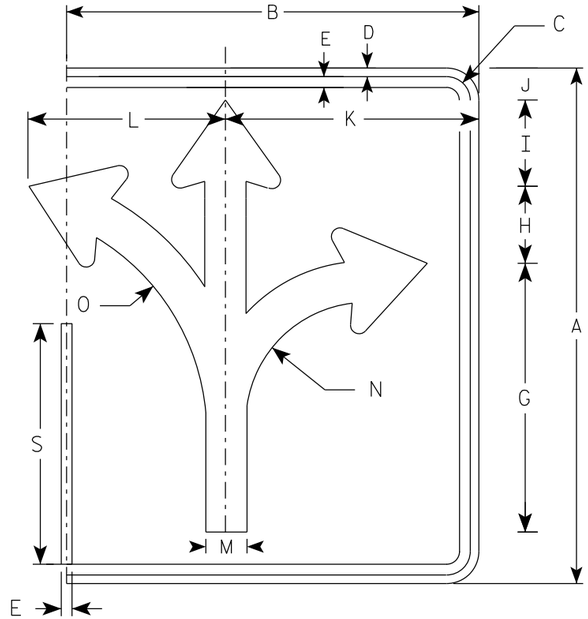
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



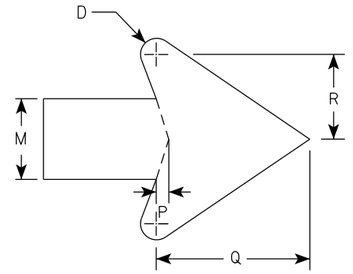
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

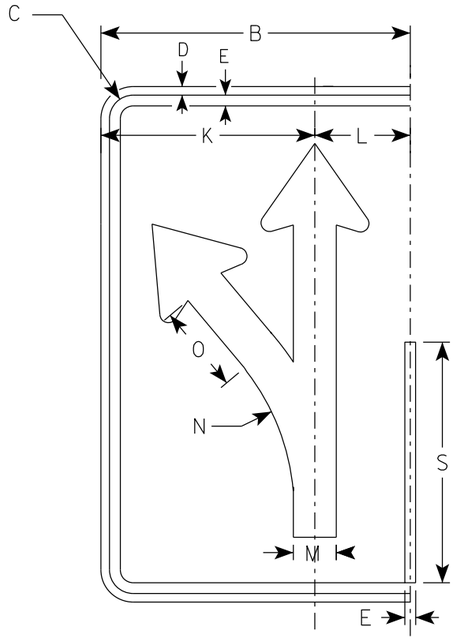
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 307 | E

7

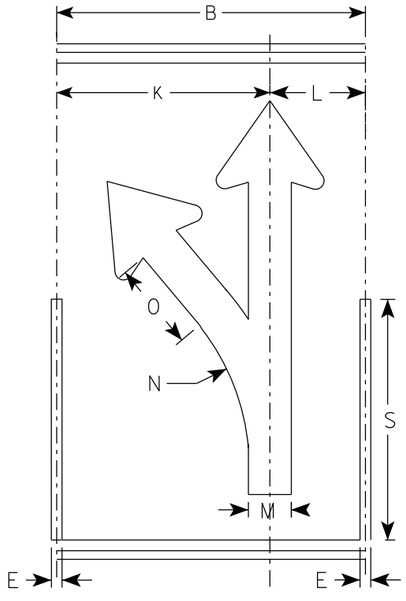
7

NOTES

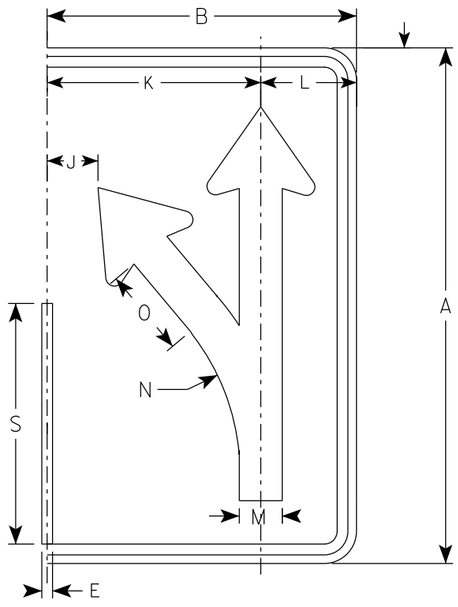
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



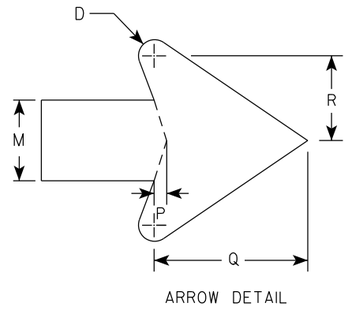
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

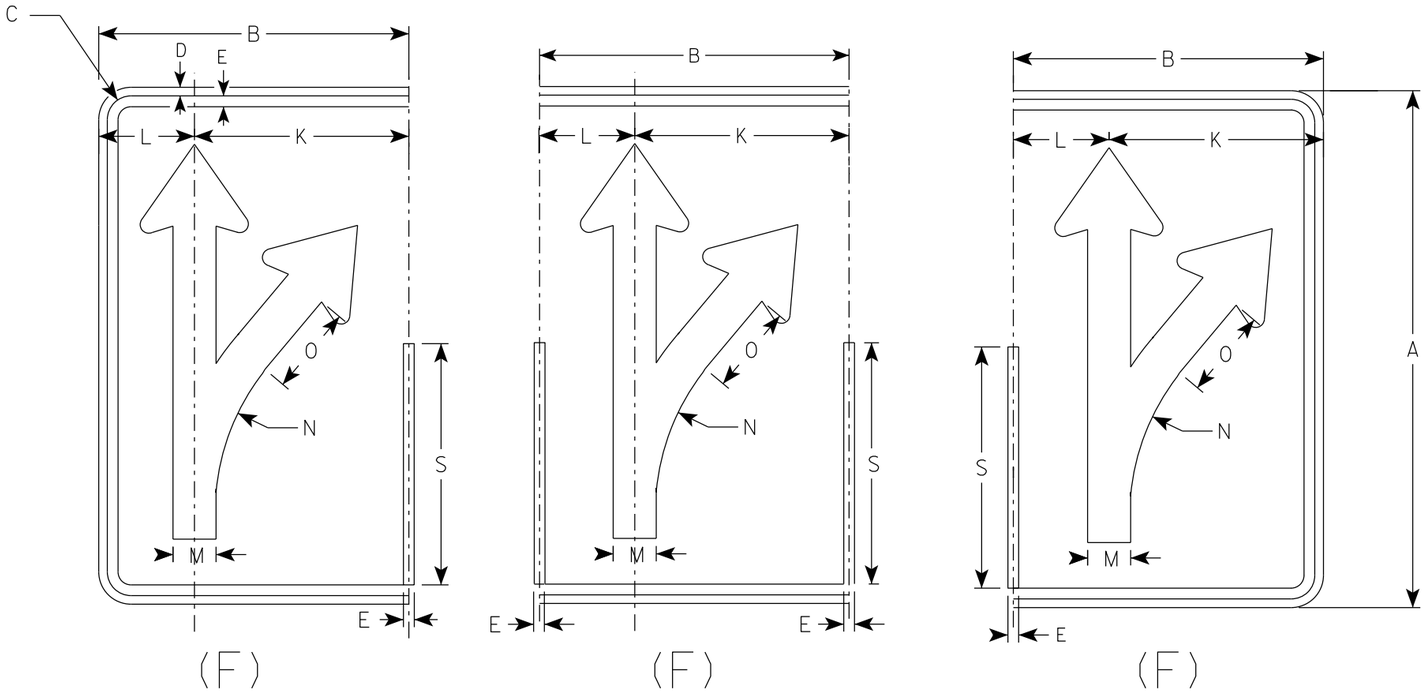
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

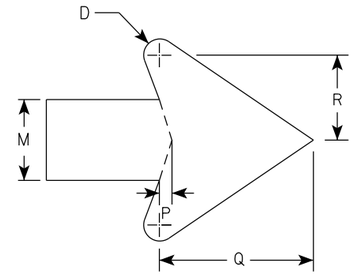
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 308 | E

NOTES

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



(F) (F) (F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

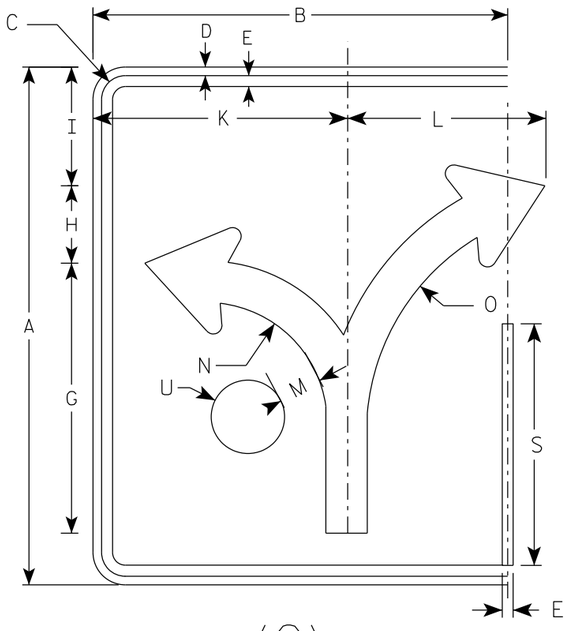
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

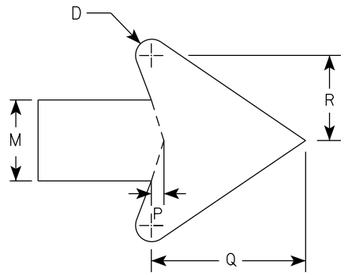
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 309 | E

NOTES

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



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

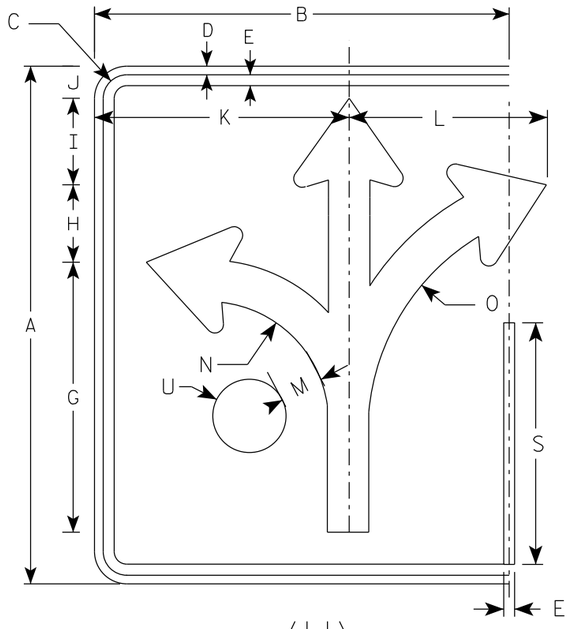
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 310 | E

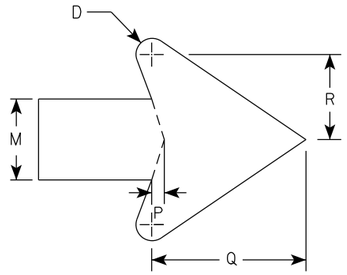
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:38 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

NOTES

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



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

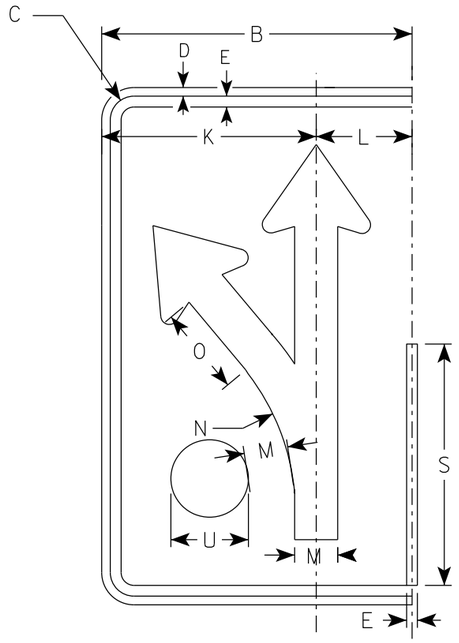
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

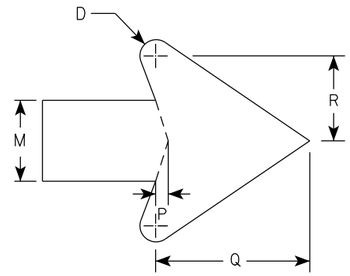
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 311	E

NOTES

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



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

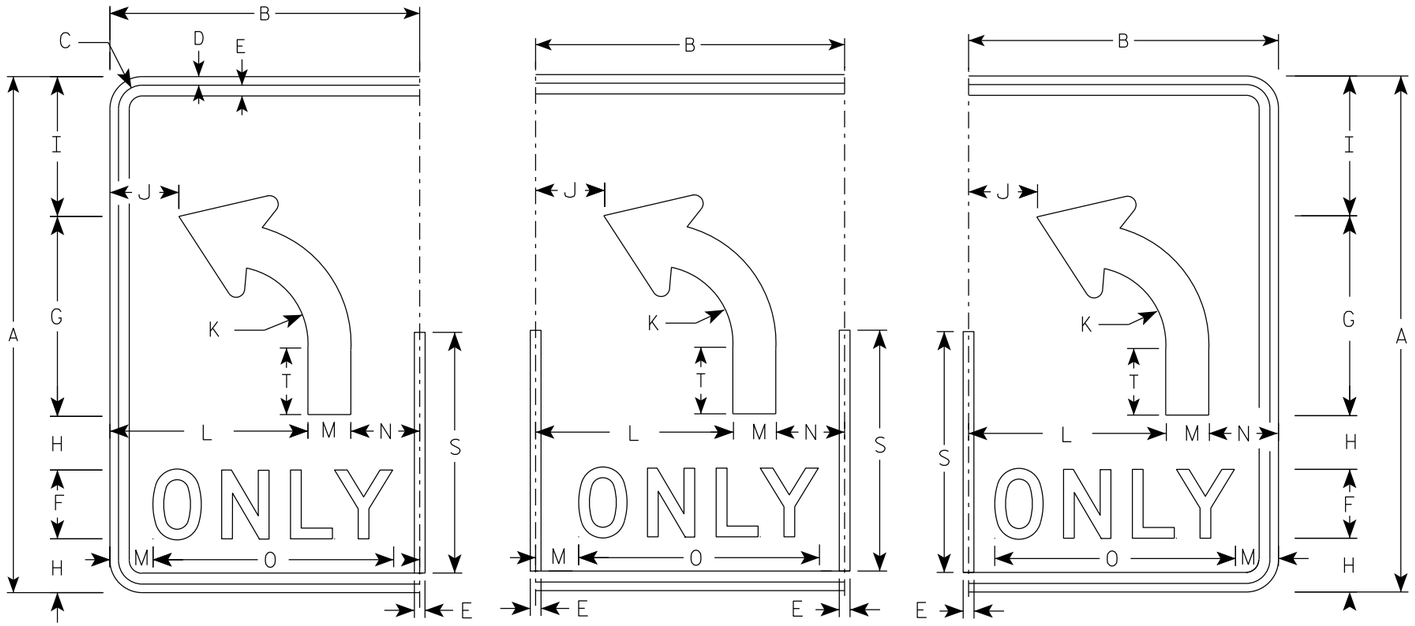
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

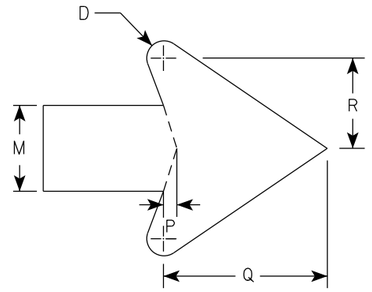
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 312 | E

NOTES

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



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

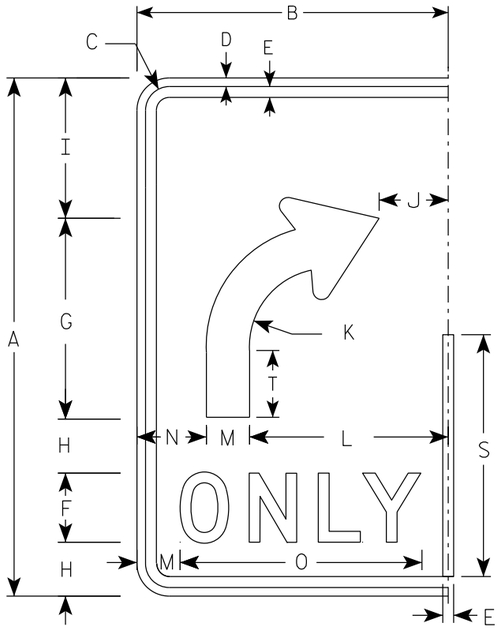
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

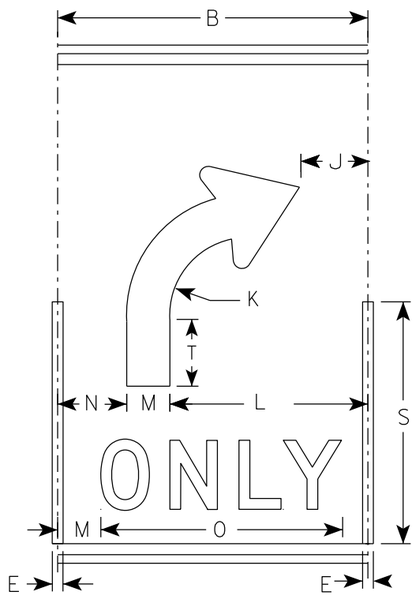
SHEET NO: 313 E

NOTES

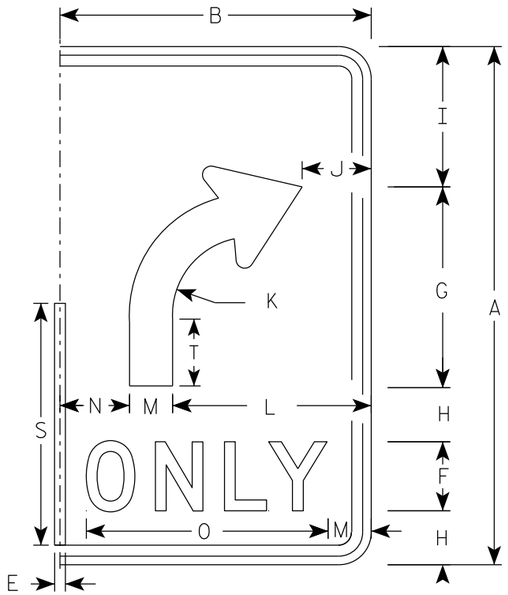
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



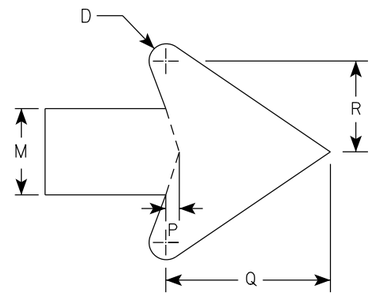
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

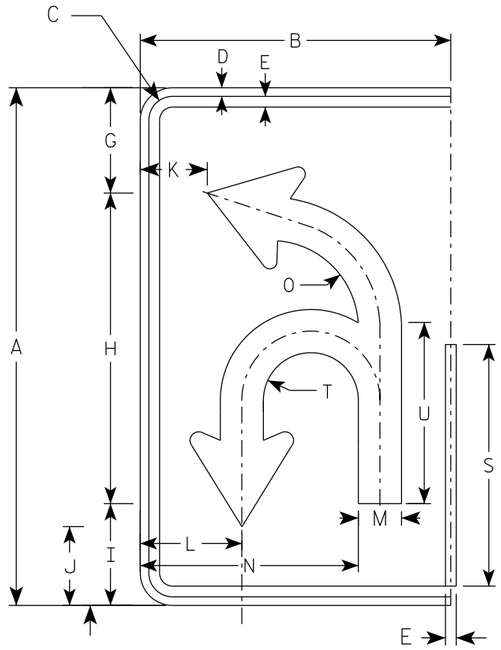
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

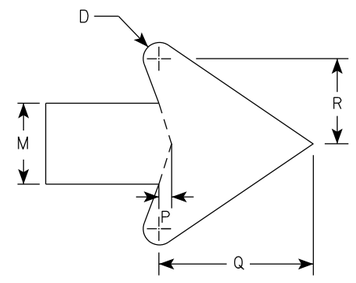
SHEET NO: 314 E

NOTES

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



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

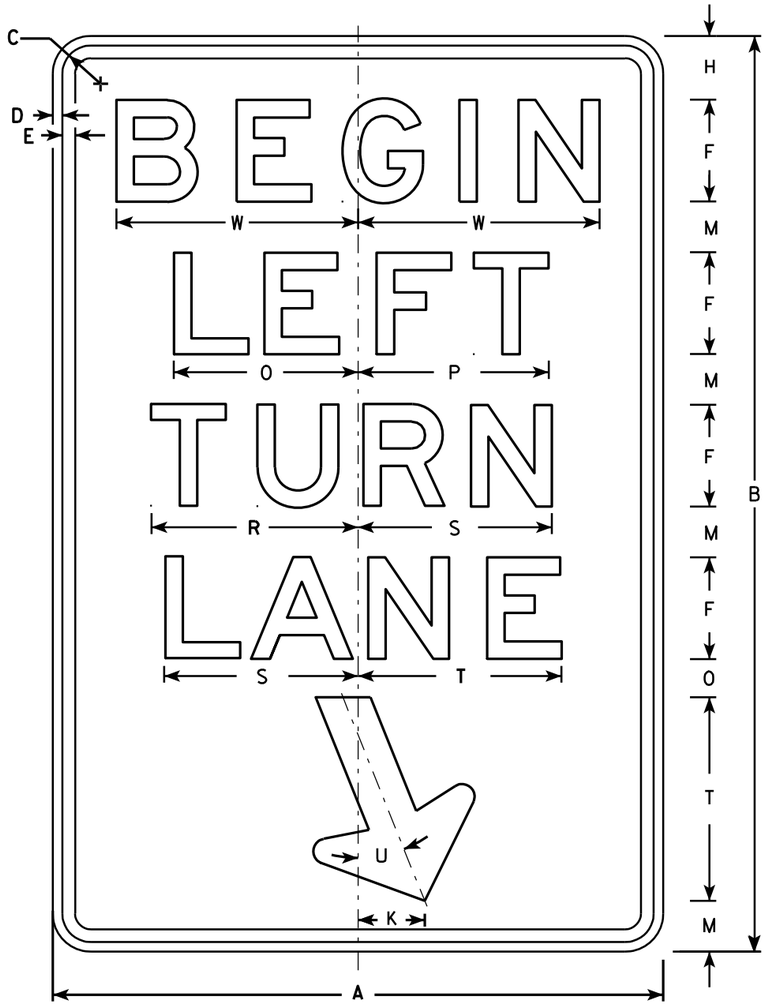
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

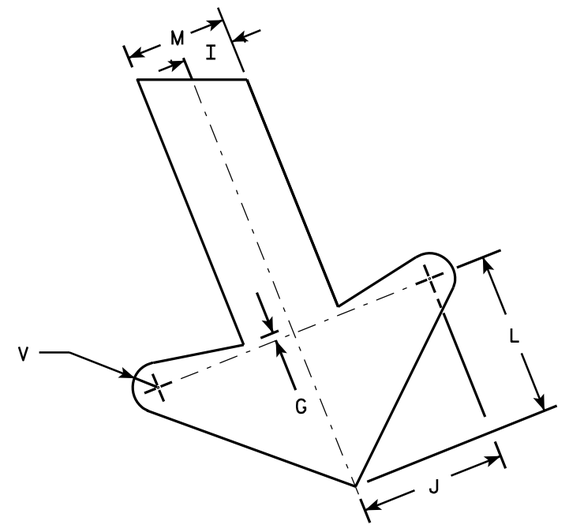
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 315 | E



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																											

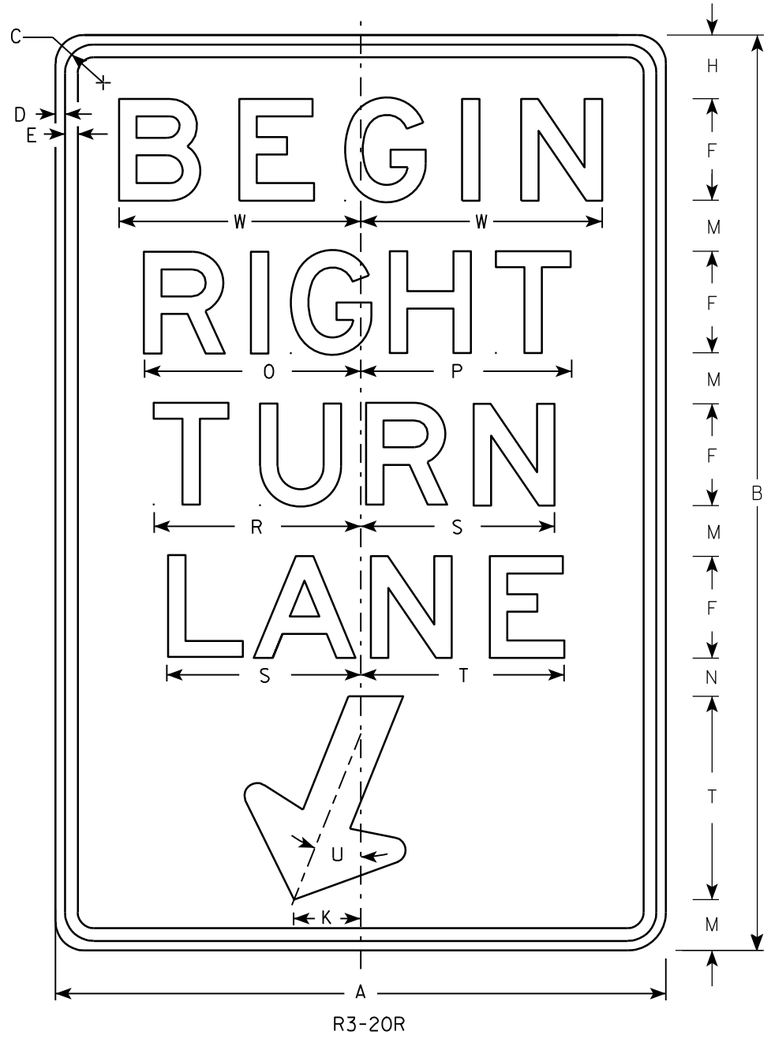
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

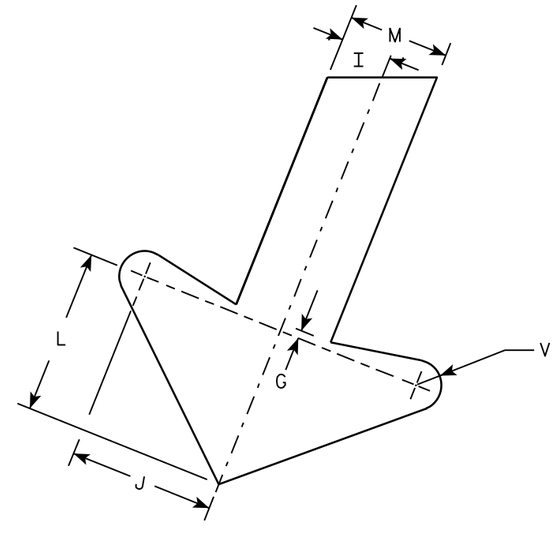
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 316 | E



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																											

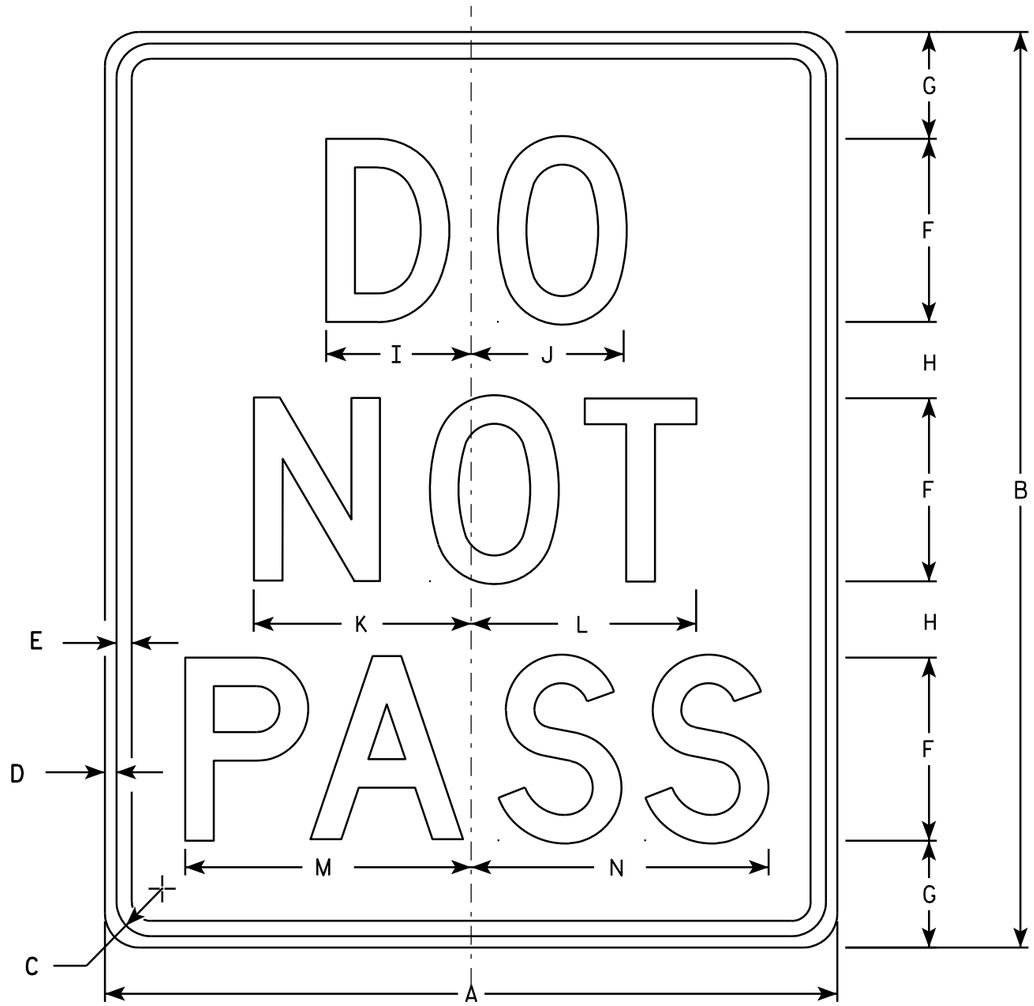
STANDARD SIGN
R3-20R

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: 317 | E



R4-1

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

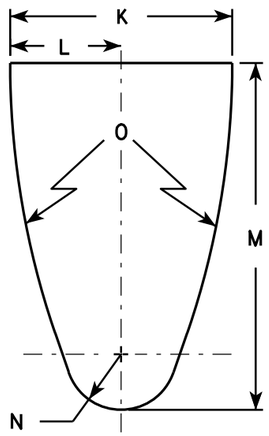
STANDARD SIGN
R4-1

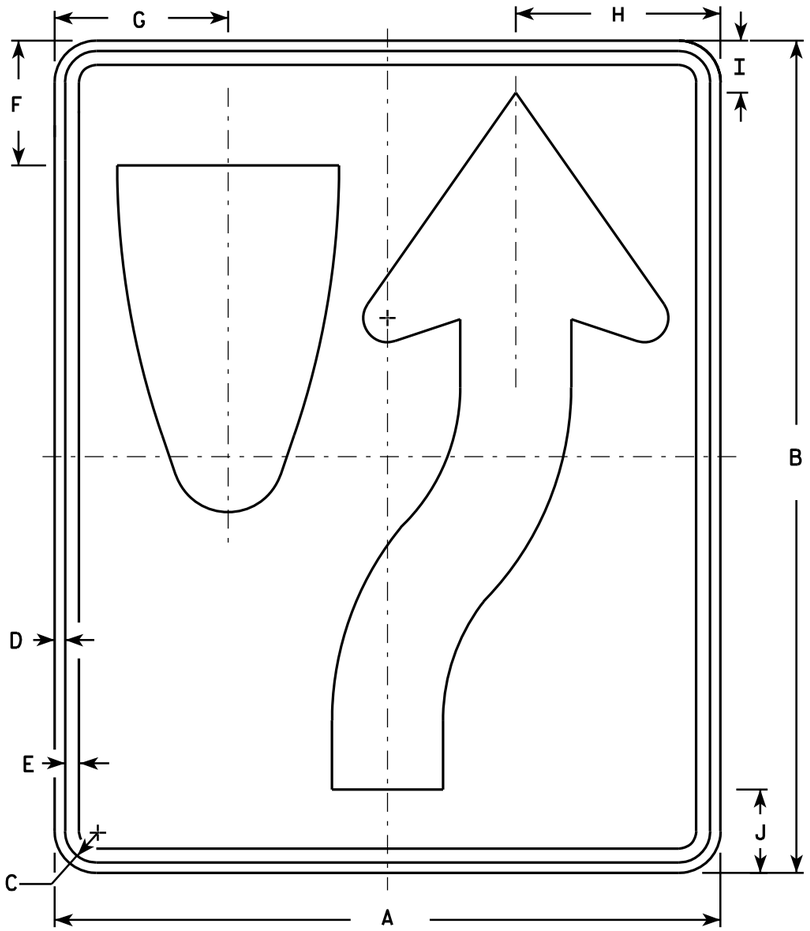
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 318 | E

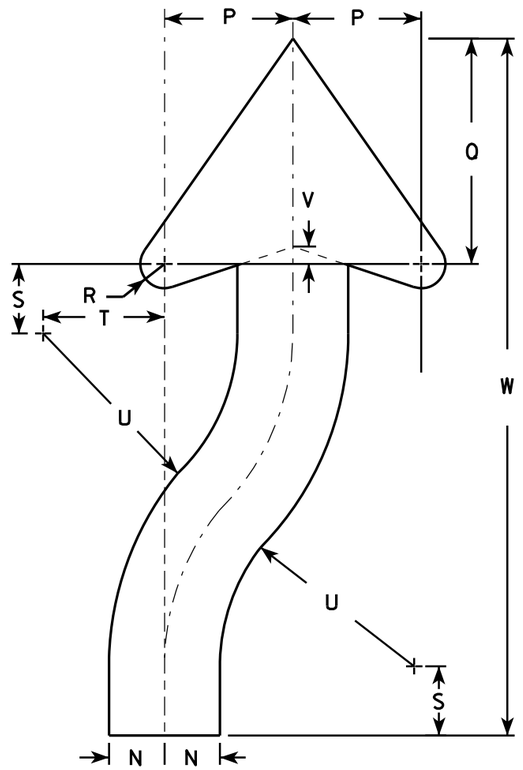




R4-7

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

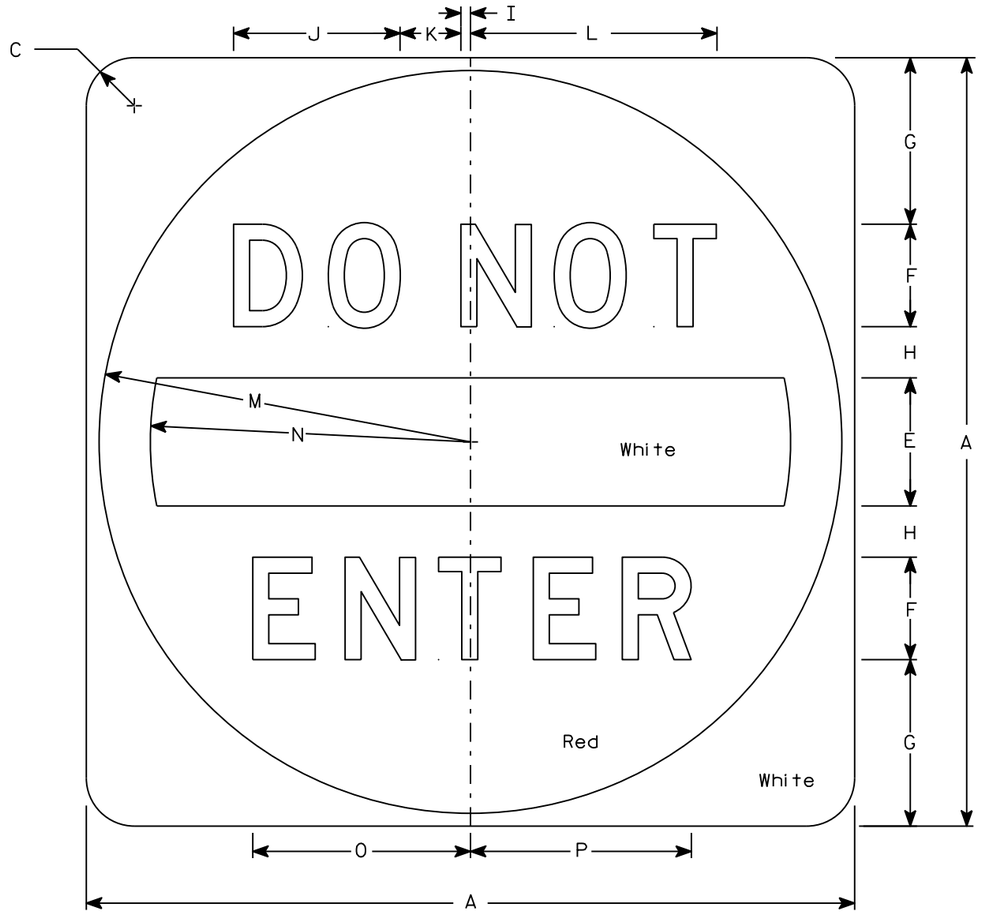
STANDARD SIGN
R4-7 & R4-8

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: 319	E



R5-1

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

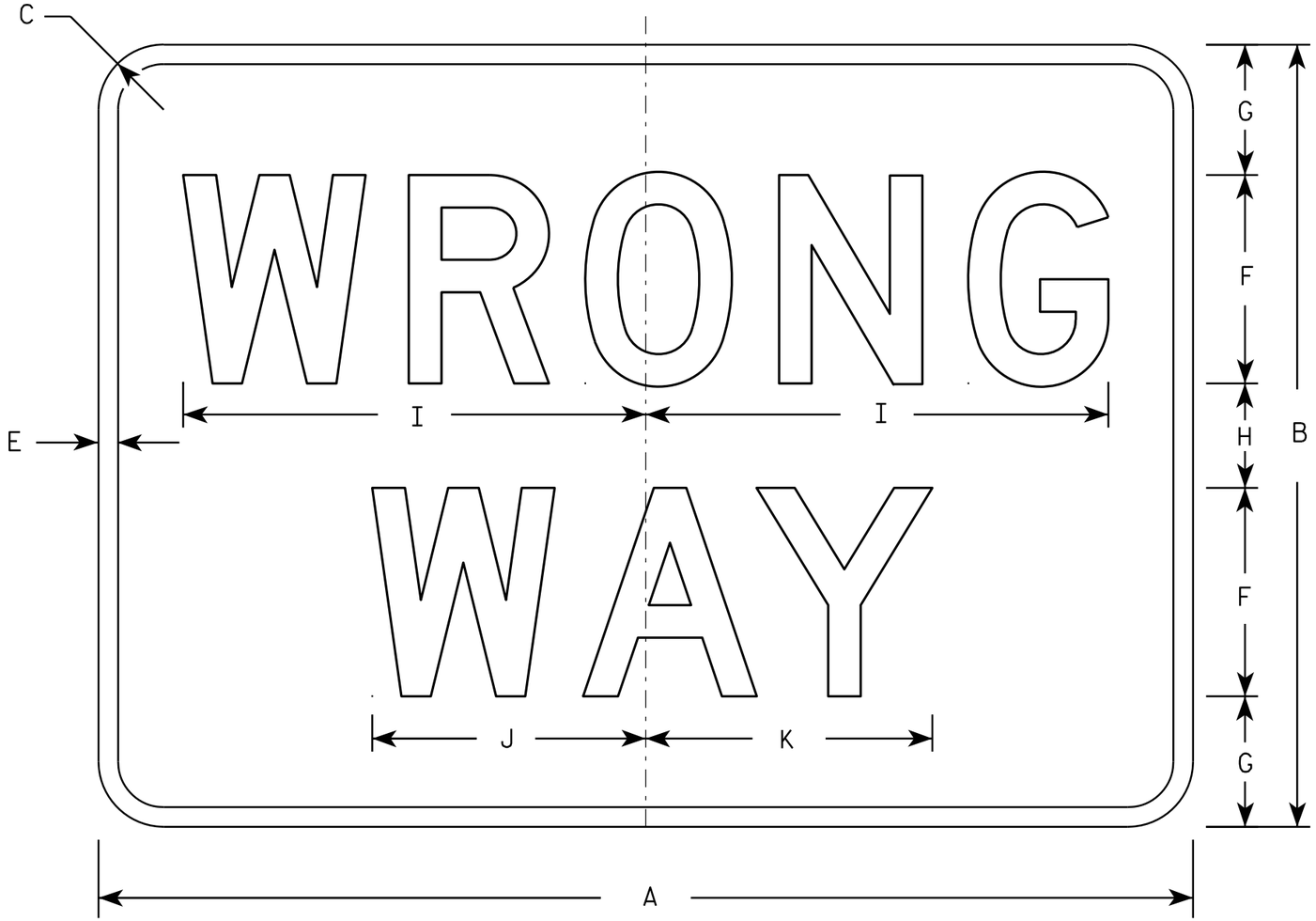
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 320 | E



R5-1A

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 - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

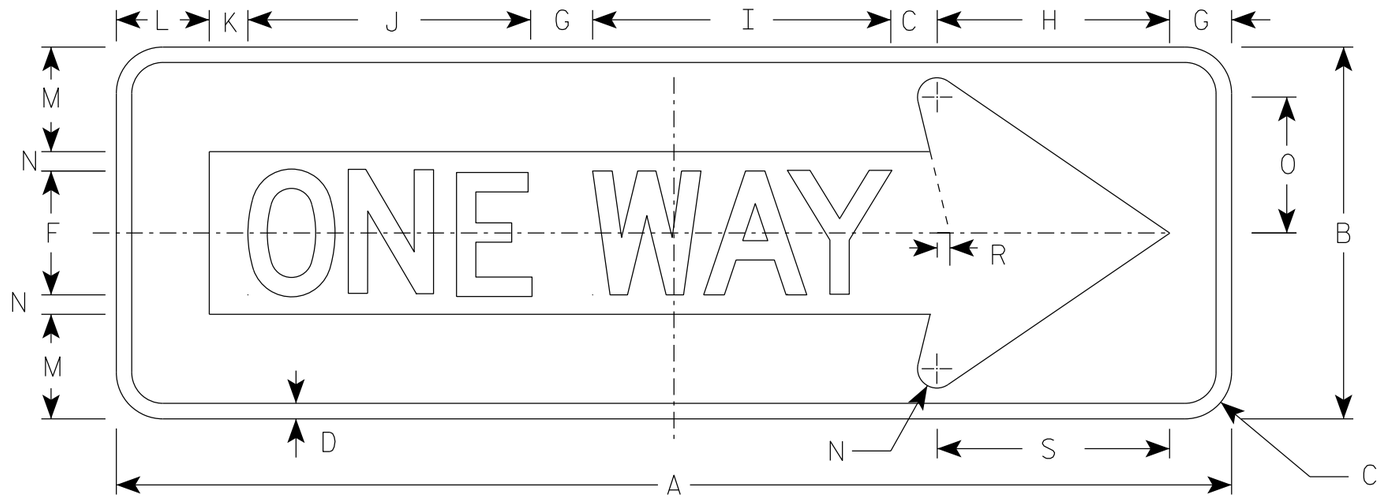
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

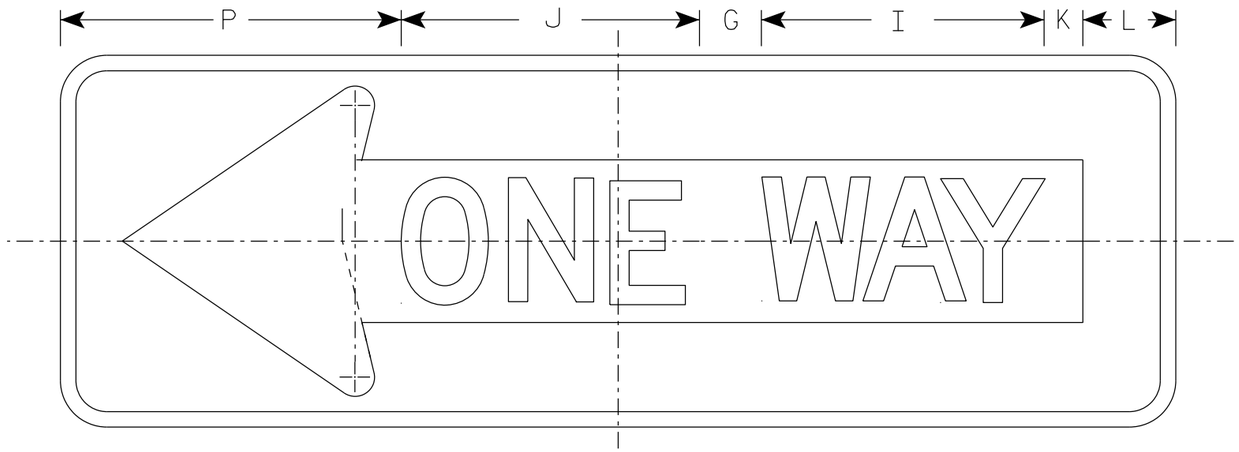
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 321	E



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

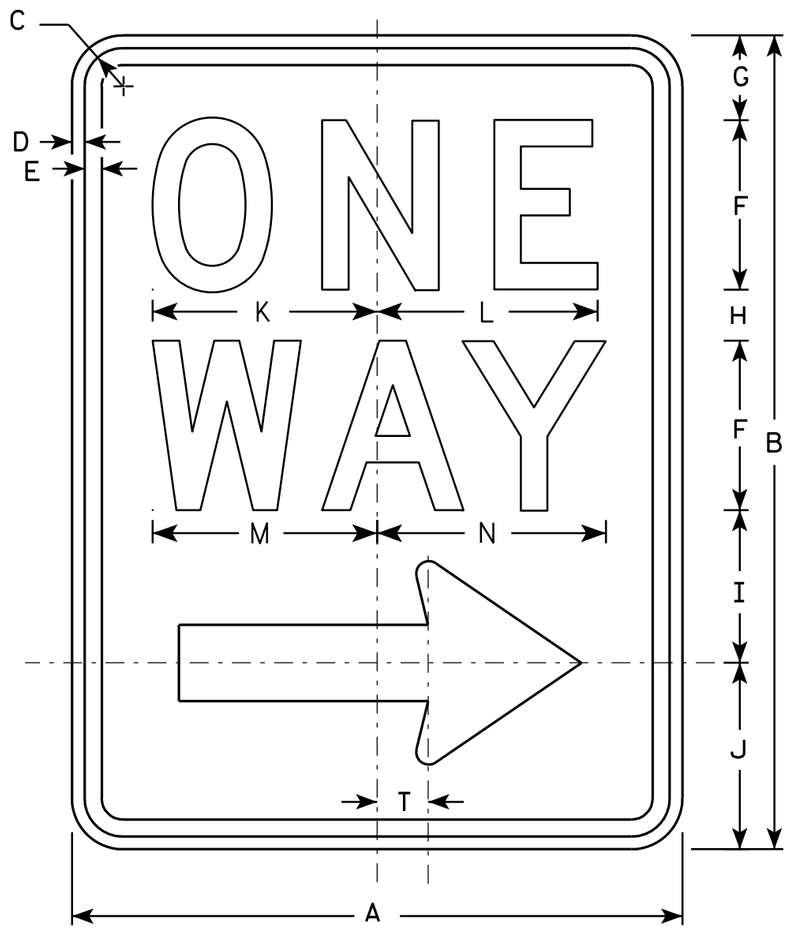
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

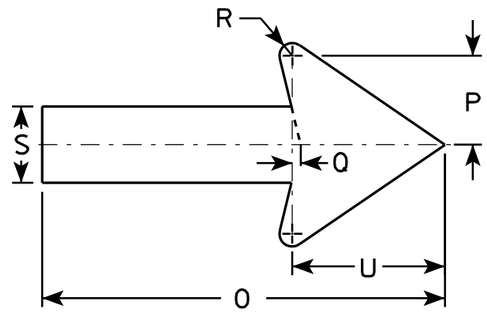
SHEET NO: 322 E



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																										

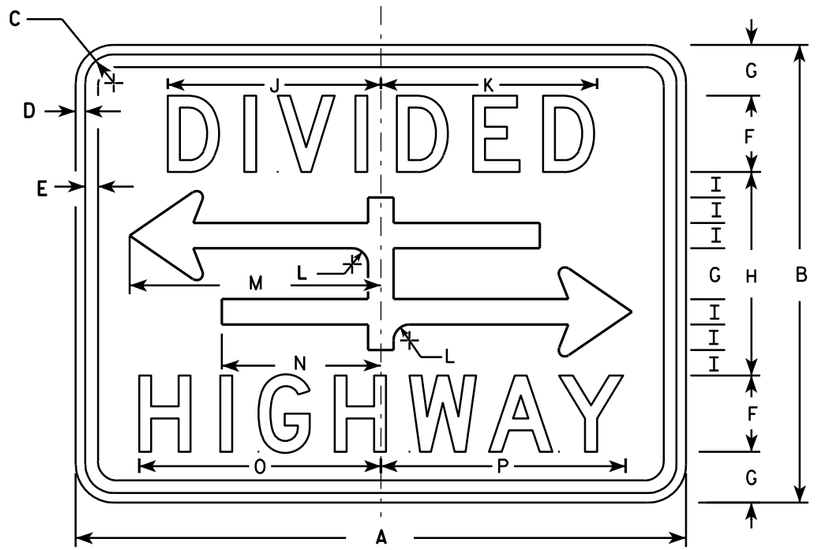
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

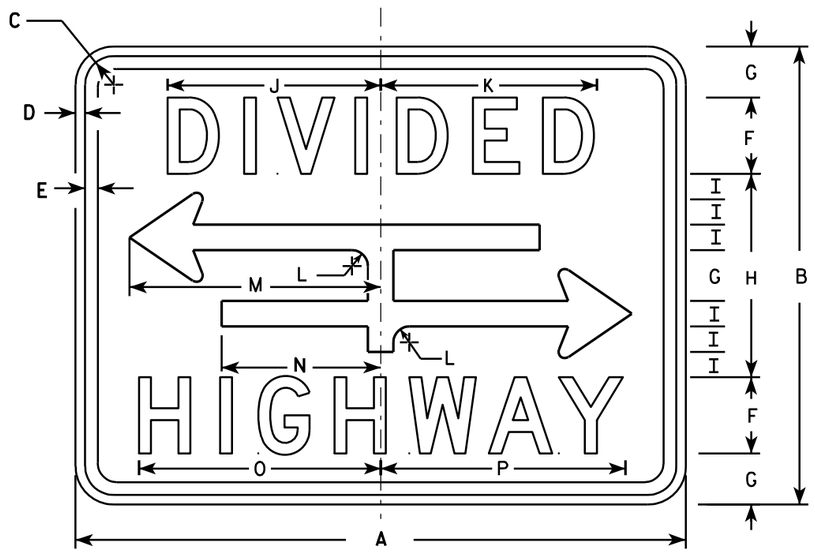
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 323	E



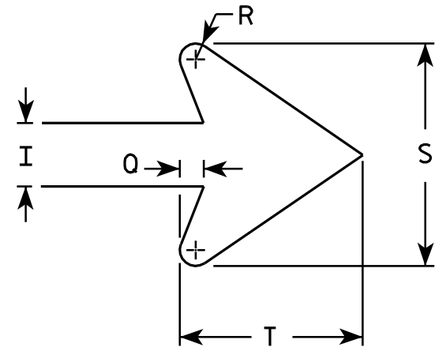
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



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	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

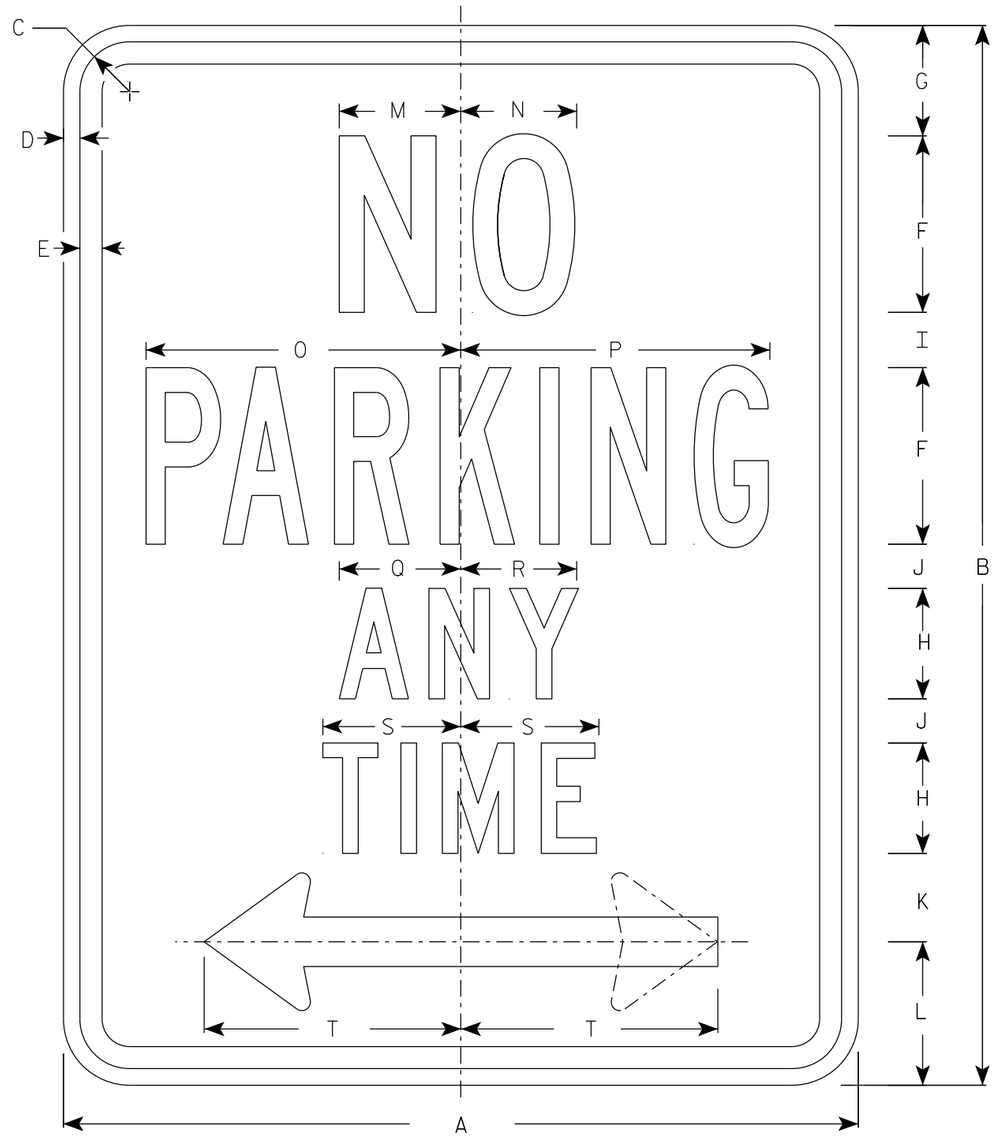
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

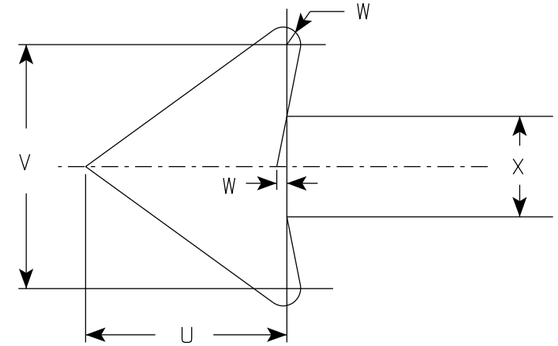
SHEET NO: 324 E



R7-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Lines 1, 3 and 4 are series C, line 2 is series B.
5. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



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

STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

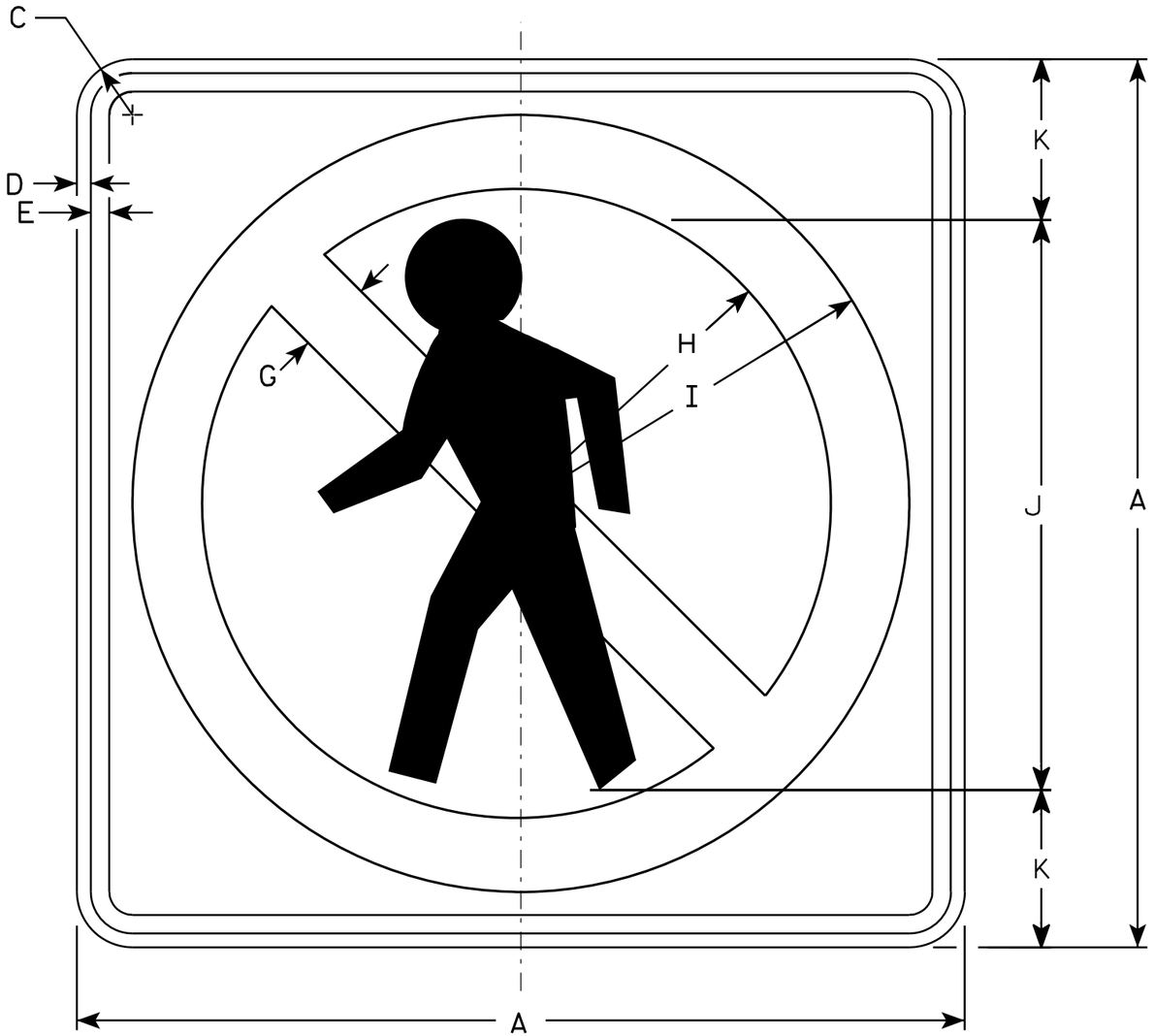
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R7-1.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 325 E

7

7



R9-3A

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 & Pedistrian are non-reflective black. Circle with diagonal bar is reflective red.

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

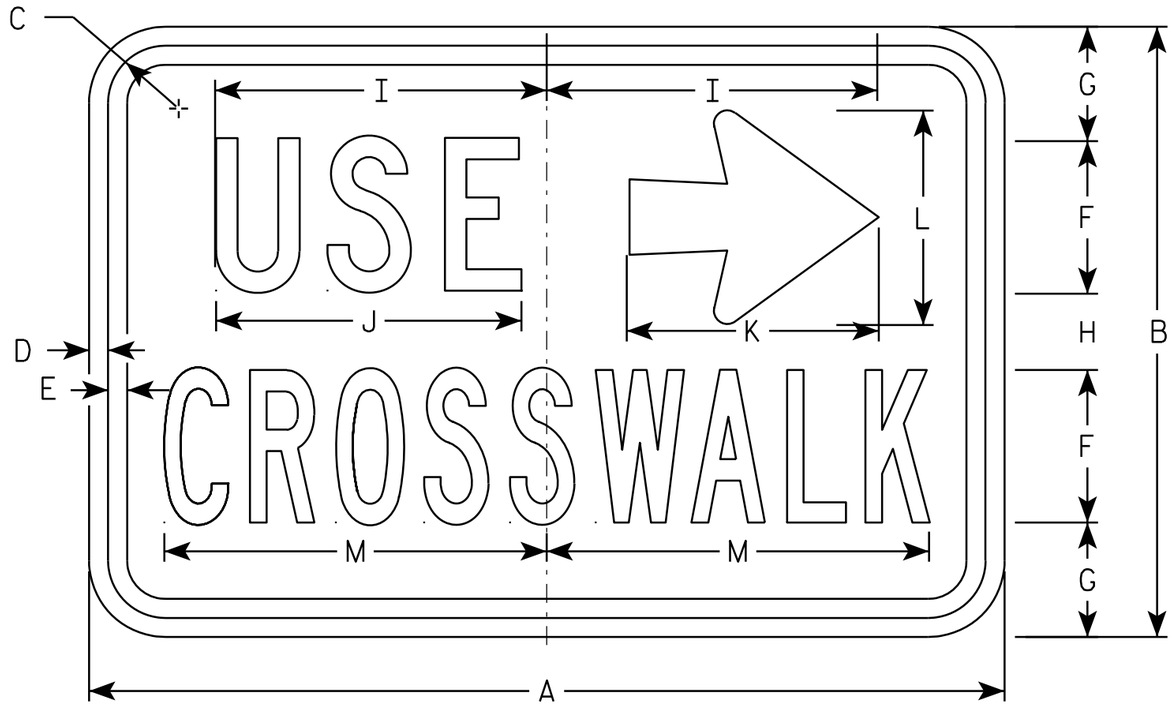
STANDARD SIGN
R9-3A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 326	E



R9-3BR

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C Line 1, Series B Line 2
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R9-3BL is the same as R9-3BR except USE and the arrow are switched.

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

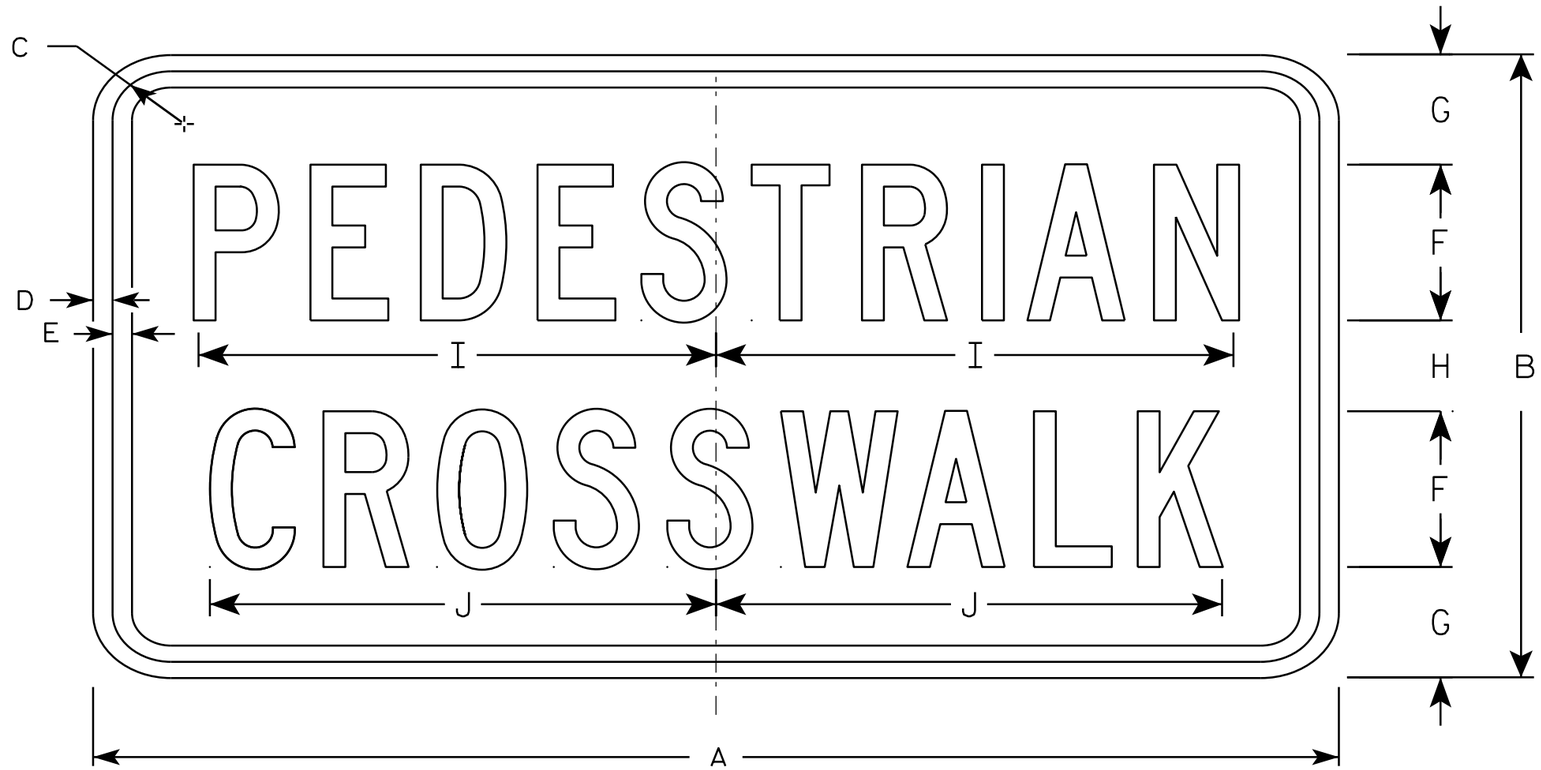
STANDARD SIGN
R9-3BR&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/4/10 PLATE NO. R9-3B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 327 | E



R9-8

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	9 3/4																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	13	13																	3.75
4																											
5																											

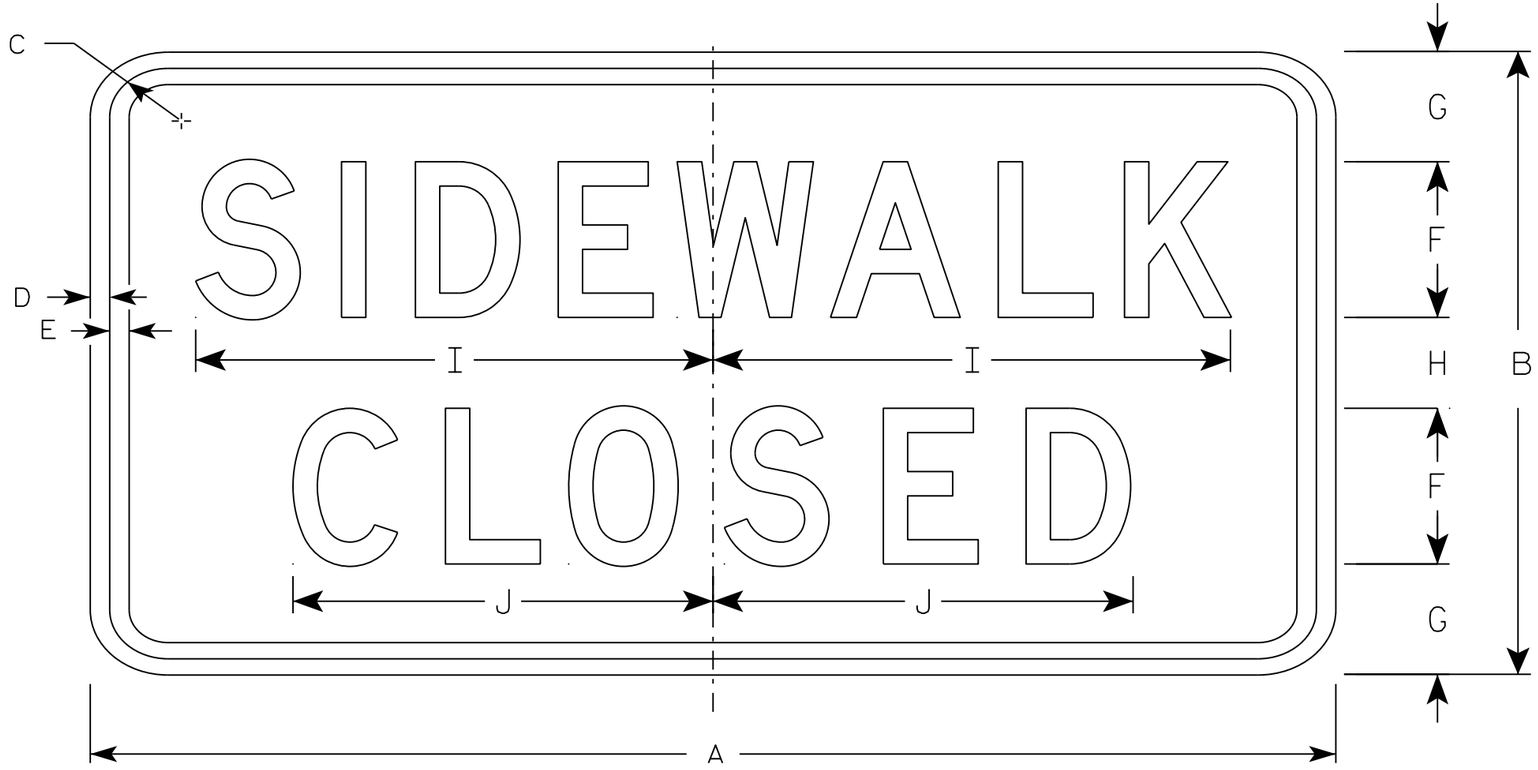
STANDARD SIGN
R9-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/17/16 PLATE 328 R9-8.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

STANDARD SIGN
R9-9

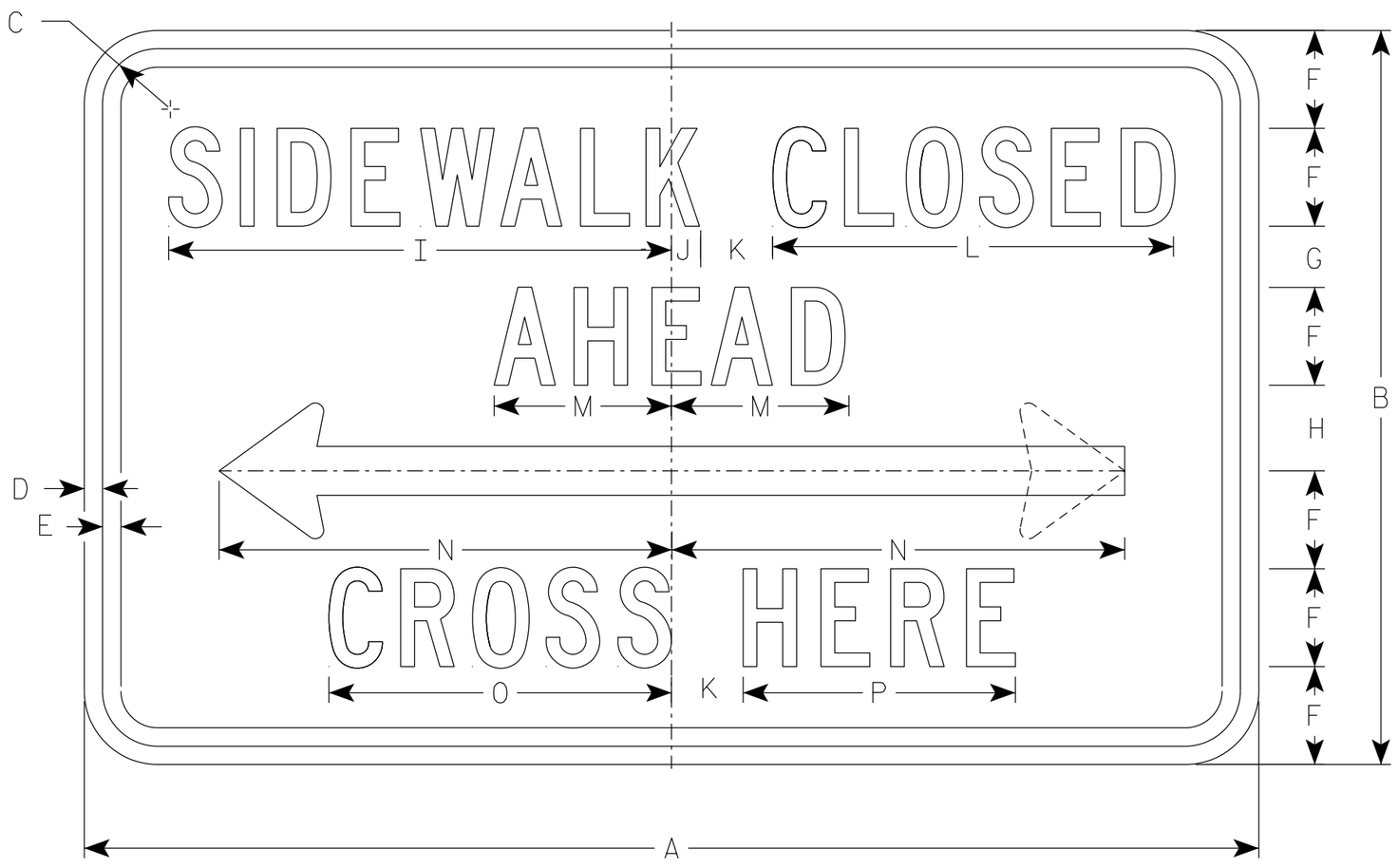
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

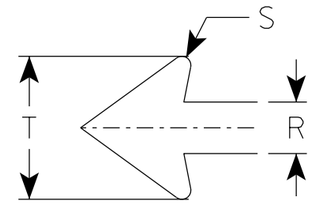
DATE 8/11/16 PLATE 329 R9-9.6

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R99.DGN PLOT DATE : 11-AUG-2016 11:33 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 2.918761:1.000000



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. 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. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

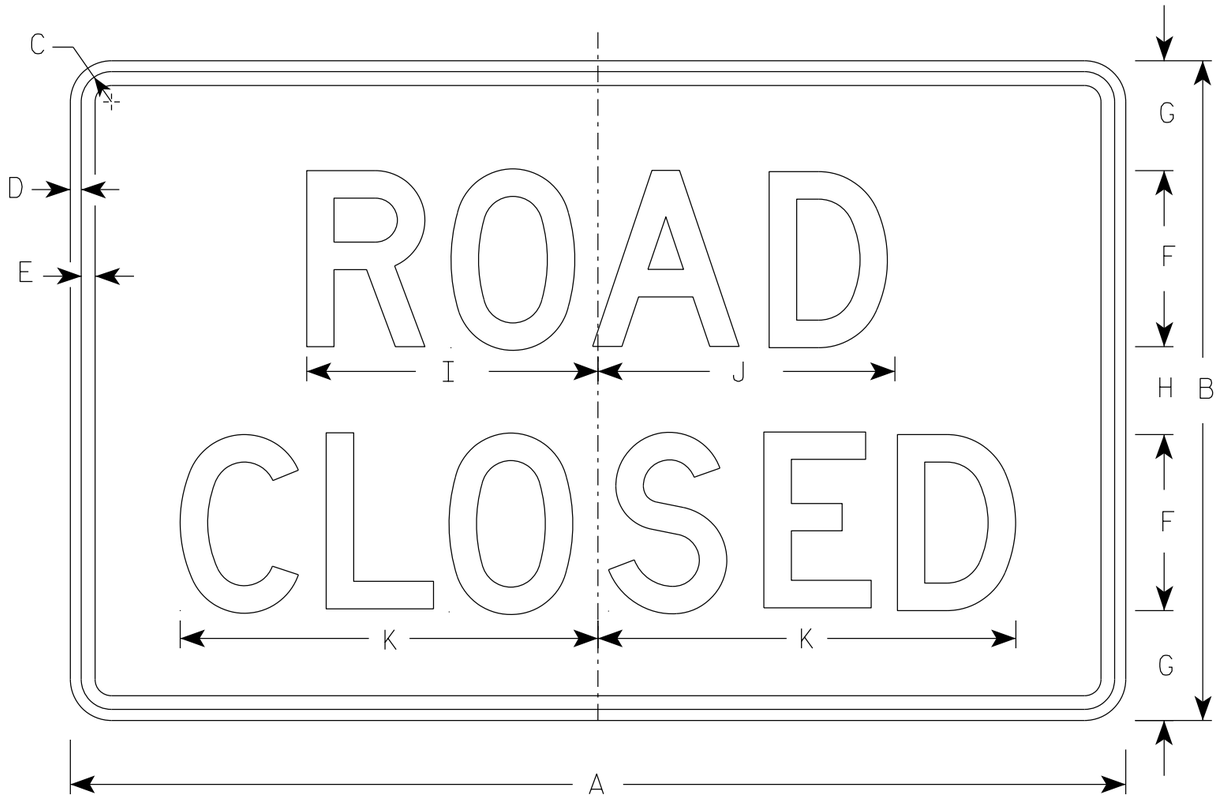
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

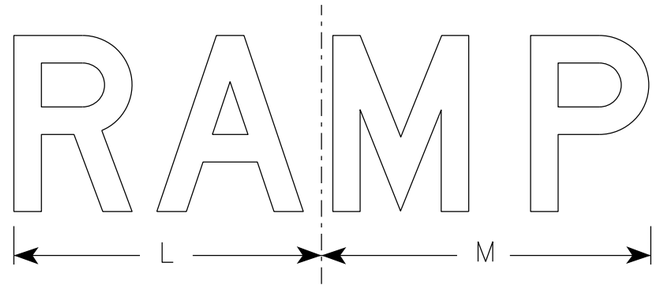
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 330 | E



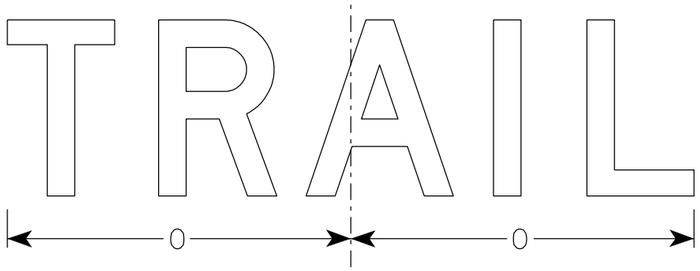
R11-2

NOTES

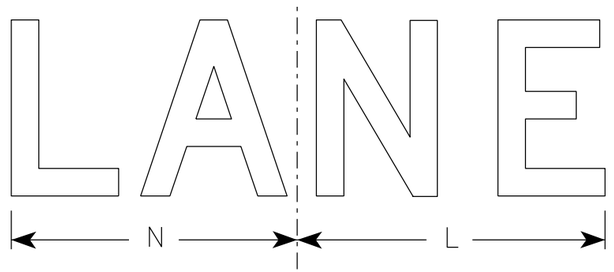
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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



R11-2R



R11-2T



R11-2L

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

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

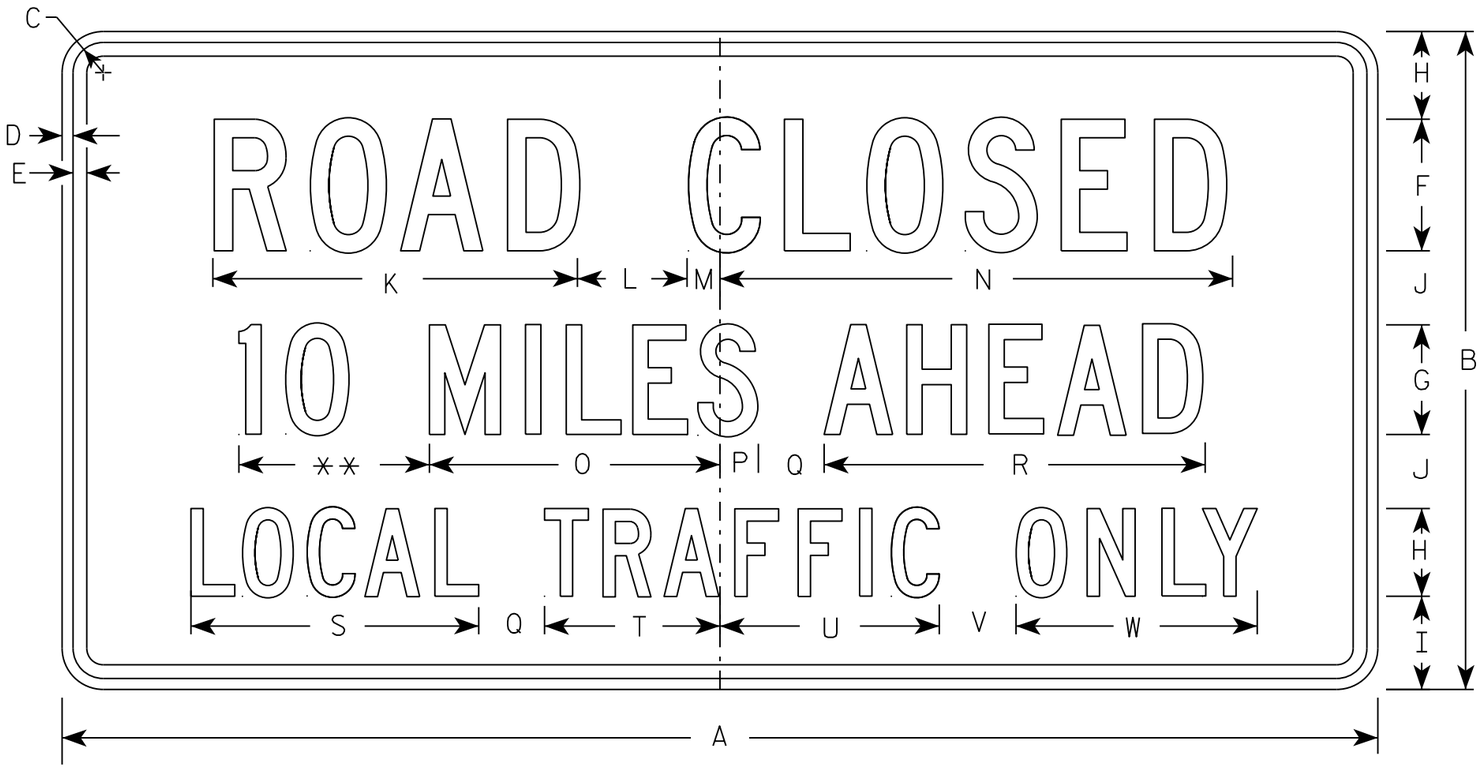
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/29/2021 PLATE NO. R11-2.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 331	E

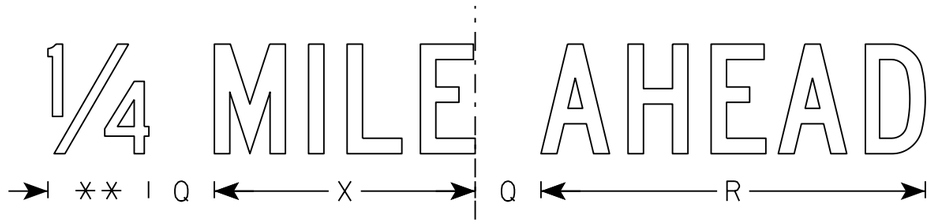
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** See Note 5



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 3/8	1/2	5/8	4	3	2 1/2	2	2	11 1/8	3	1 1/8	15 1/4	8	1 1/2	2	10 3/4	8 3/8	4 3/4	6 1/2	2	6 3/4	7 1/8			4.5
2S	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	4 1/4	3 3/8	16 5/8	5	1 1/2	23	13 1/4	1 3/4	3	17 3/8	13 1/8	8	10	3 1/2	11	11 7/8			12.5
3																											
4																											
5																											

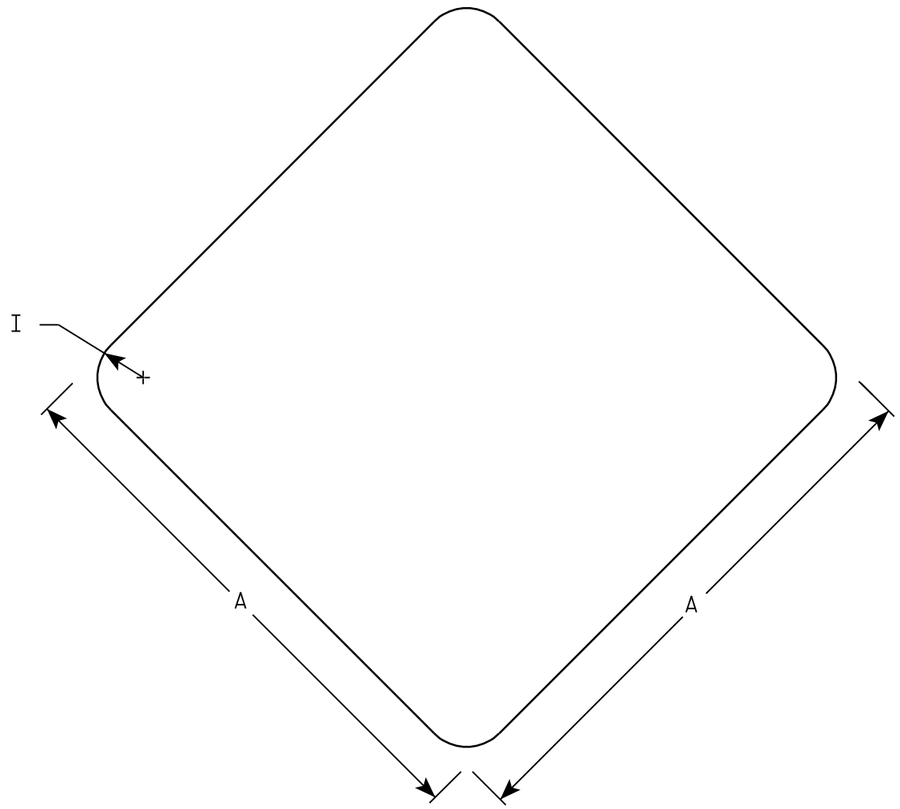
STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/17 PLATE NO. R11-3.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 332	E



W5-54

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
3. Corners may be square or rounded when base material is plywood. When base material is metal the corners 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	12								1																		1.0
2S	18								1 ½																		2.25
2M	18								1 ½																		2.25
3																											
4																											
5																											

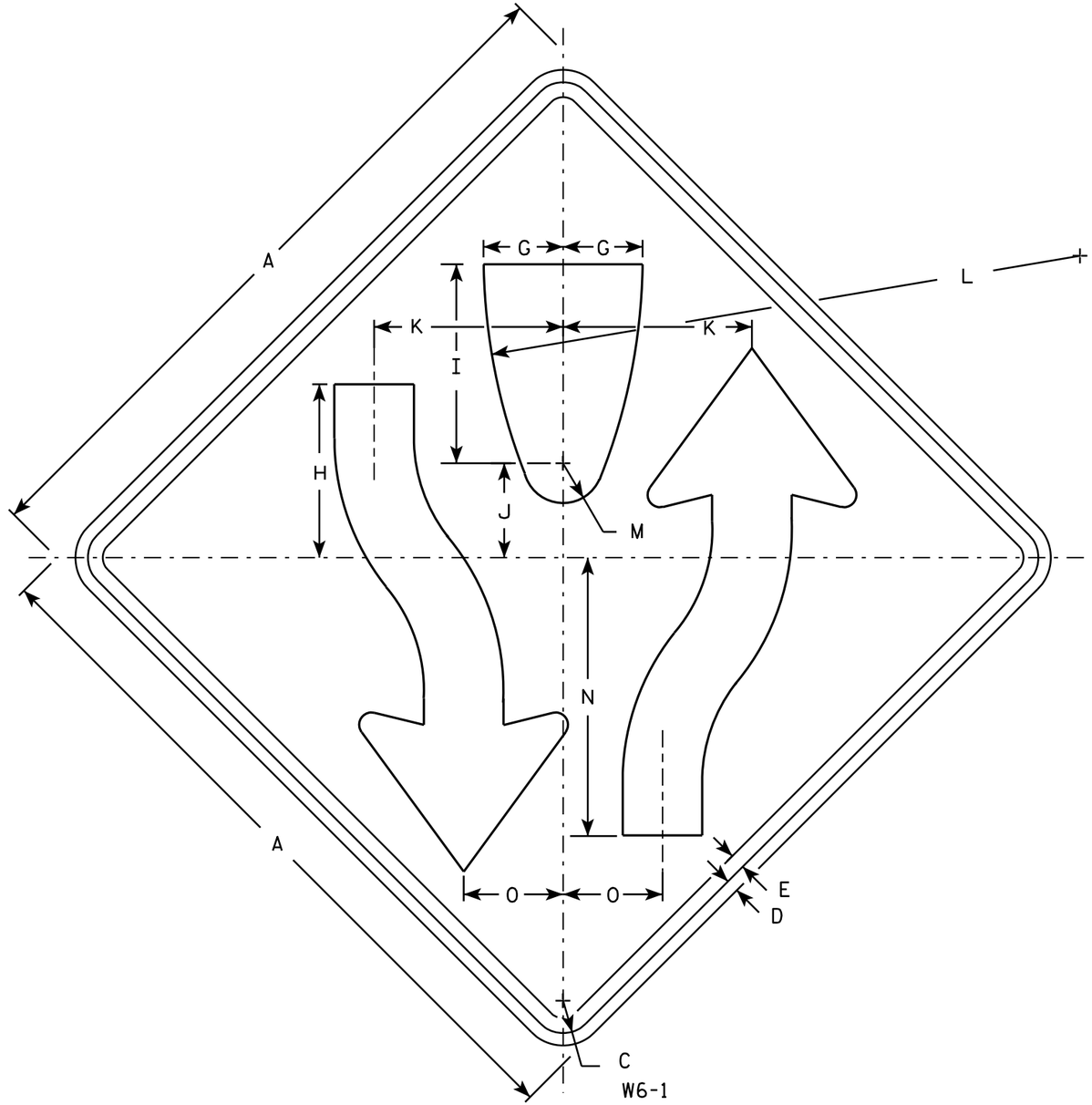
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

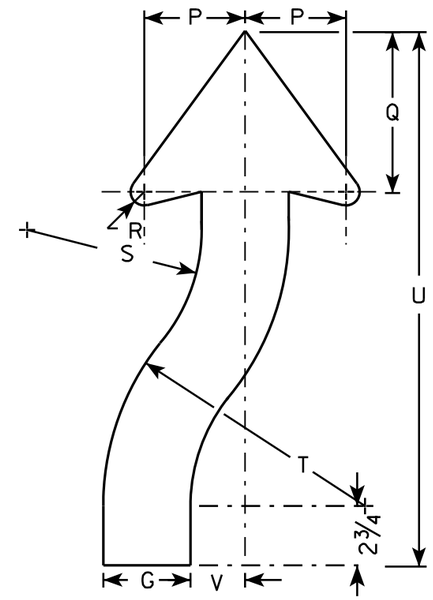
DATE 11/3/10 PLATE NO. W5-54.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 333 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

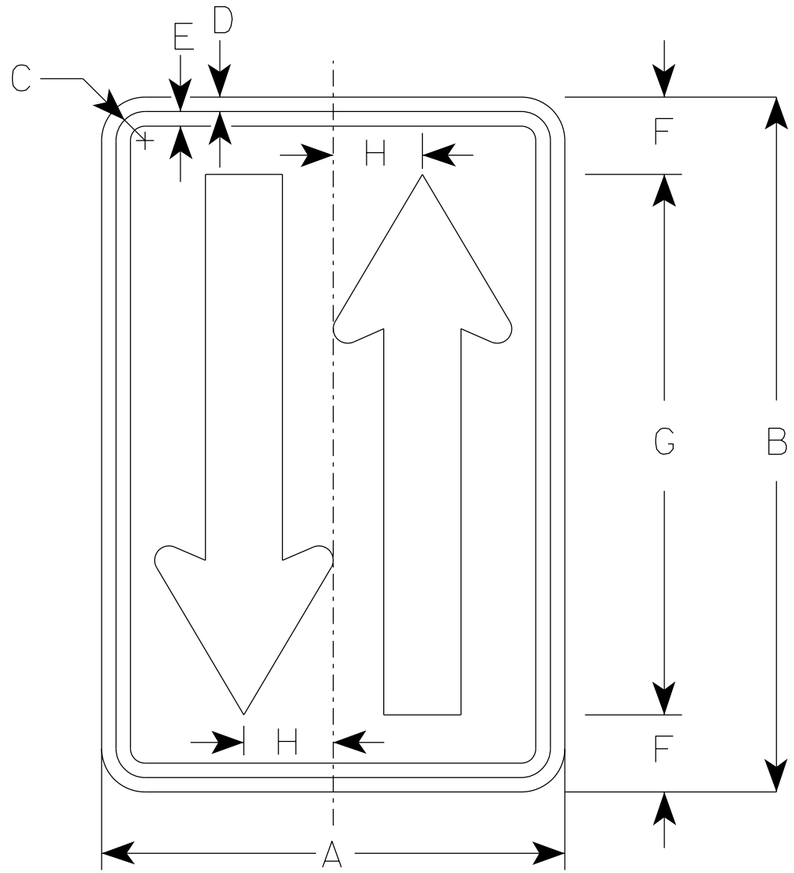
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 334	E

7

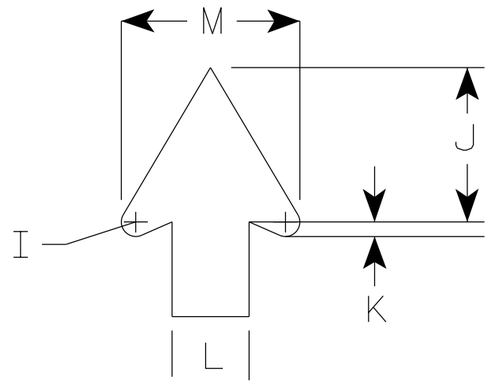
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W6-4

NOTES

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



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	12	18	1 1/8	3/8	3/8	2	14	2 1/4	3/8	4	1/8	2	4 5/8														1.5
2M	12	18	1 1/8	3/8	3/8	2	14	2 1/4	3/8	4	1/8	2	4 5/8														1.5
3																											
4																											
5																											

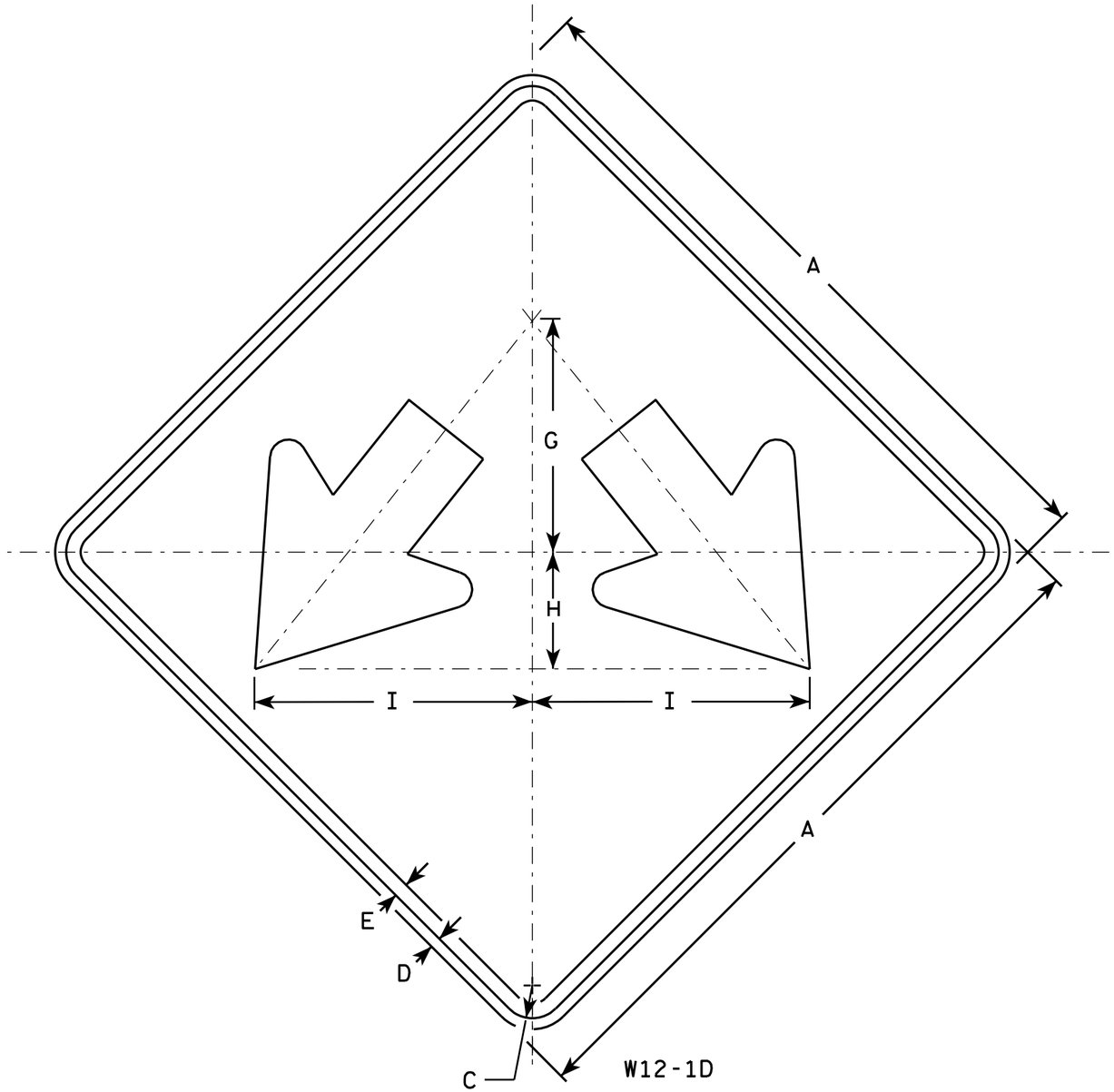
STANDARD SIGN
W6-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

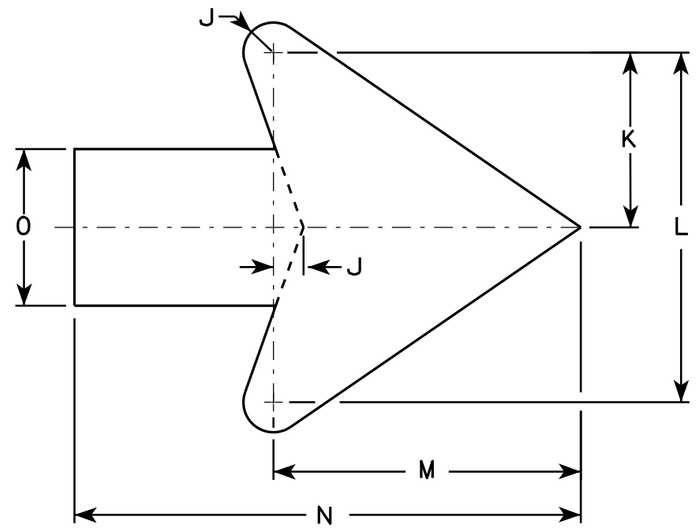
DATE 3/18/2021 PLATE NO. W6-4.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



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		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	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 336	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W121D.DGN PLOT DATE : 13-MAR-2013 13:26 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 4.713802:1.000000

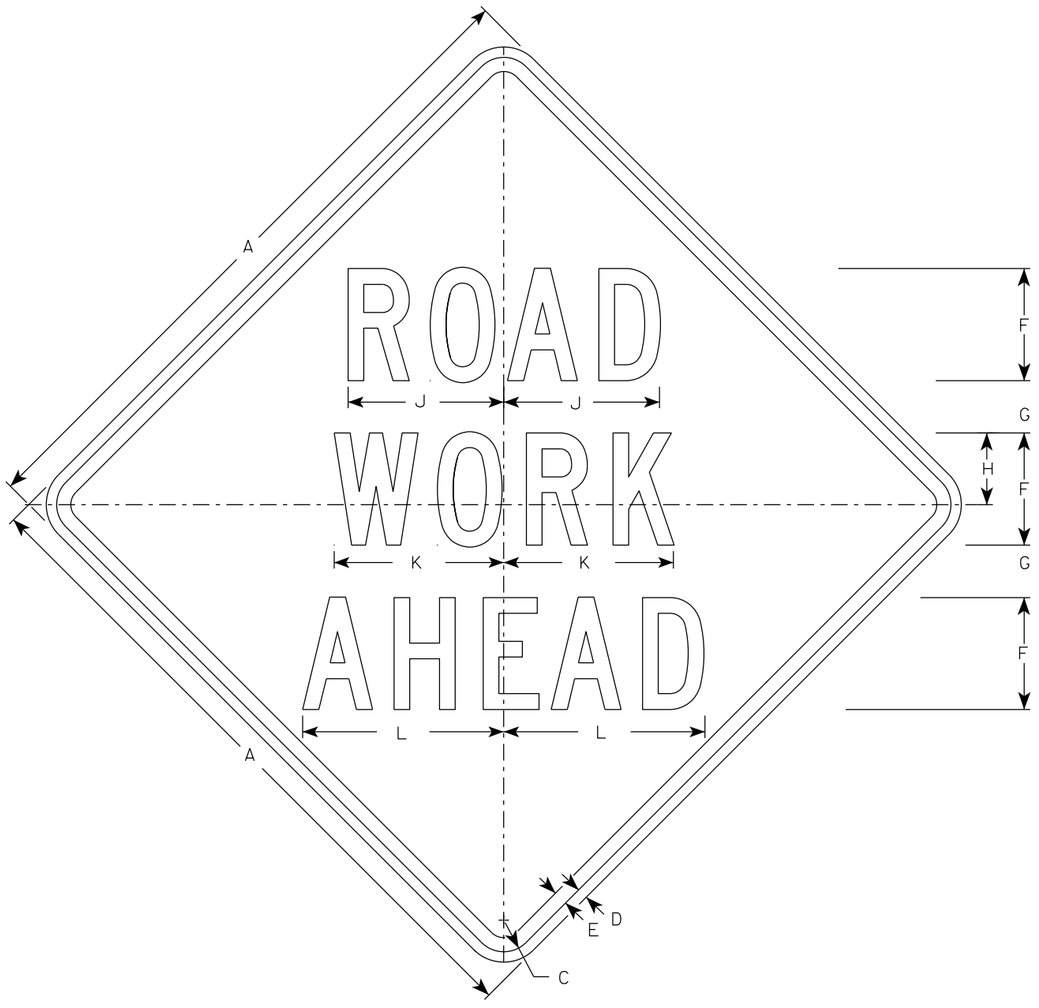
WISDOT/CADDS SHEET 42

7

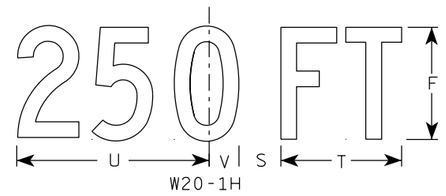
7

NOTES

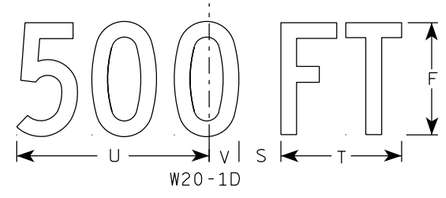
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1A



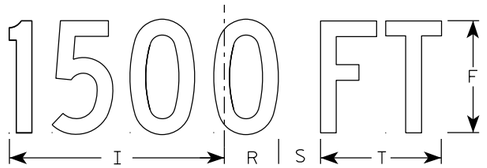
W20-1H



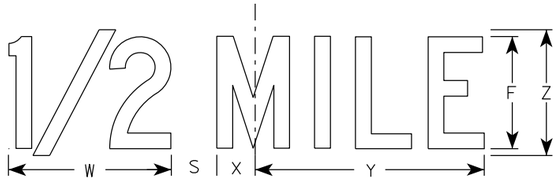
W20-1D



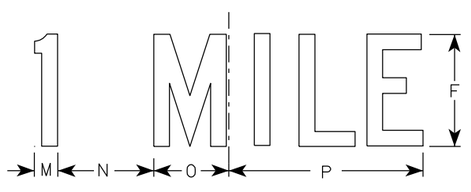
W20-1C



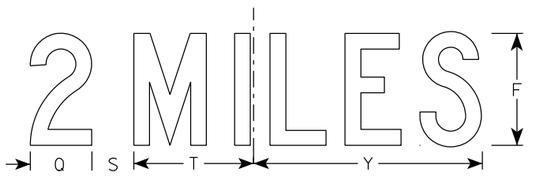
W20-1B



W20-1G



W20-1F



W20-1E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		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:

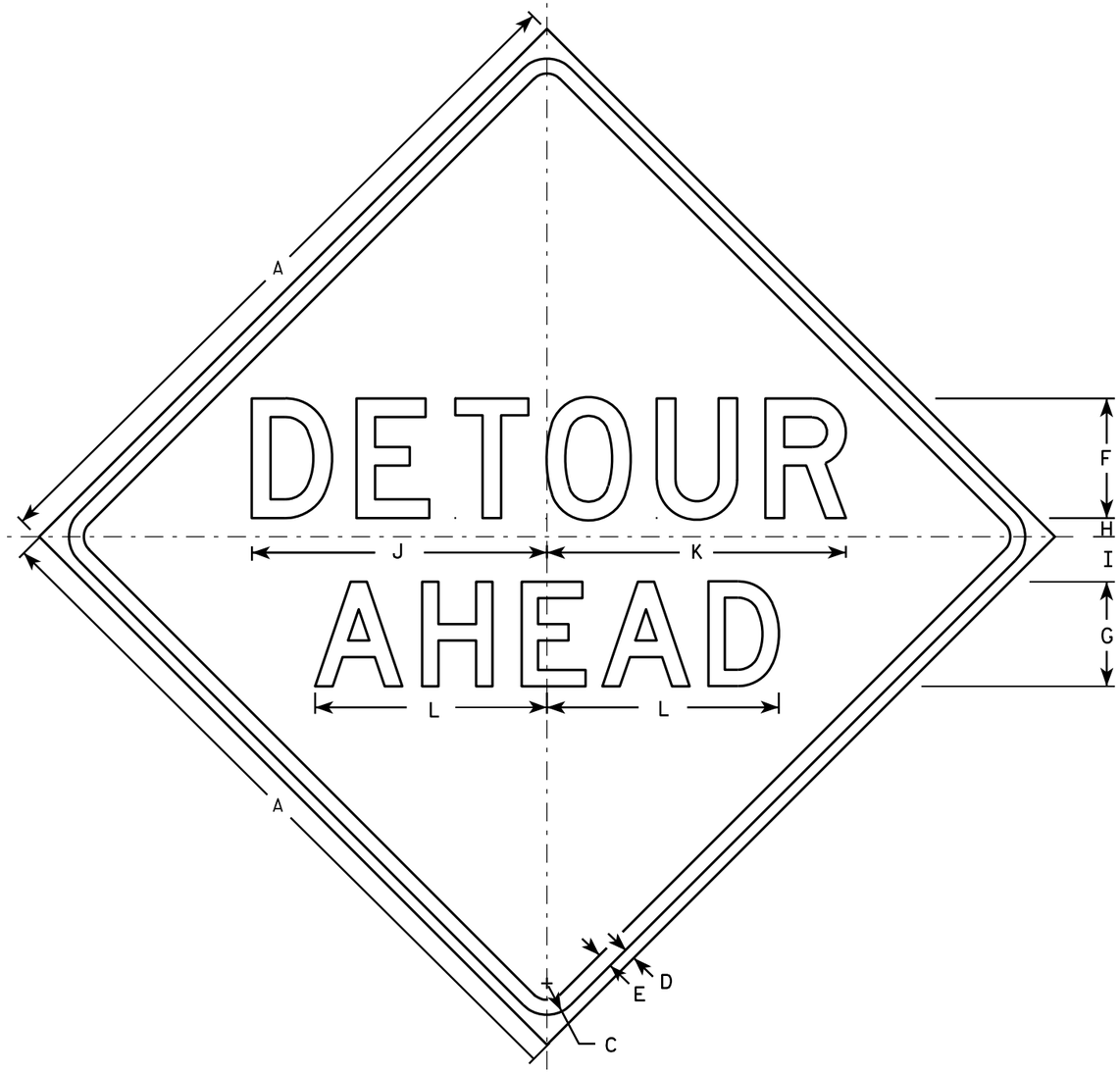
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 25-MARCH-2020 PLOT BY : dotc4c

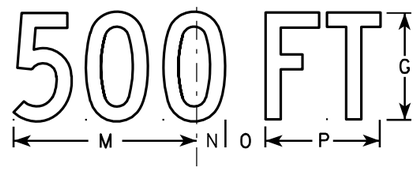
WISDOT/CADDS SHEET 42

7

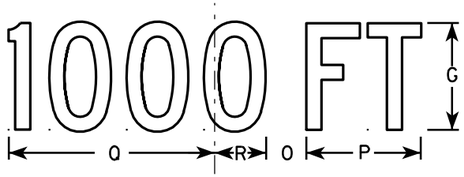
7



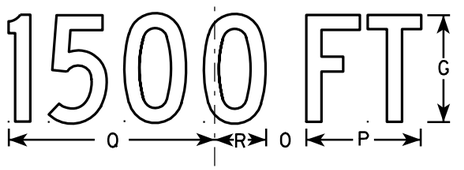
W20-2A



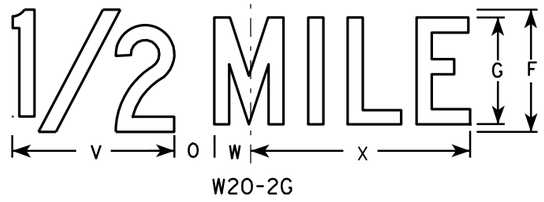
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

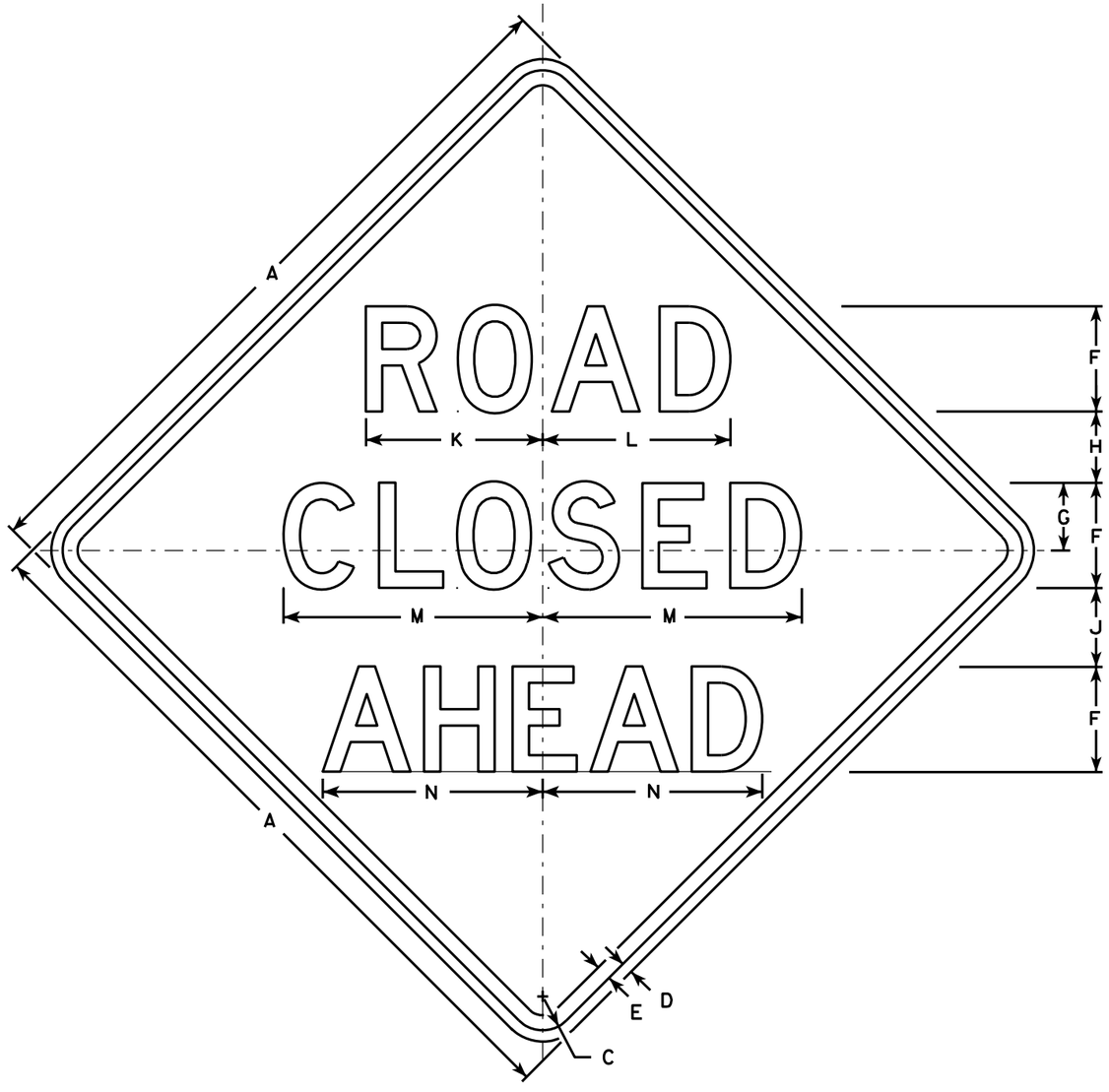
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

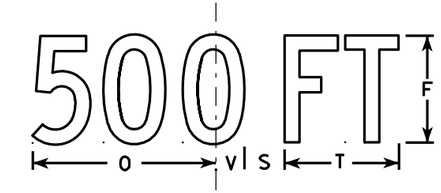
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

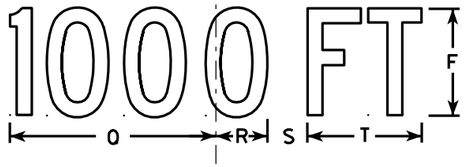
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 338 | E



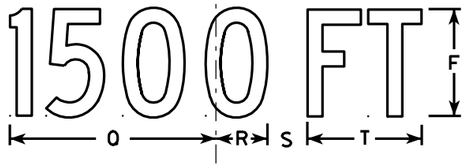
W20-3A



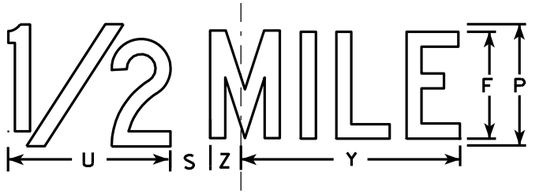
W20-3D



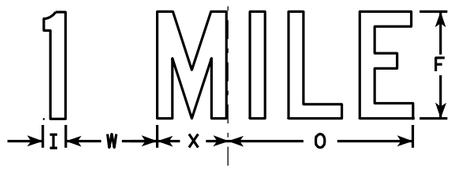
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

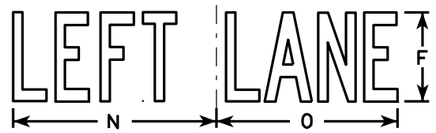
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 339 | E

7

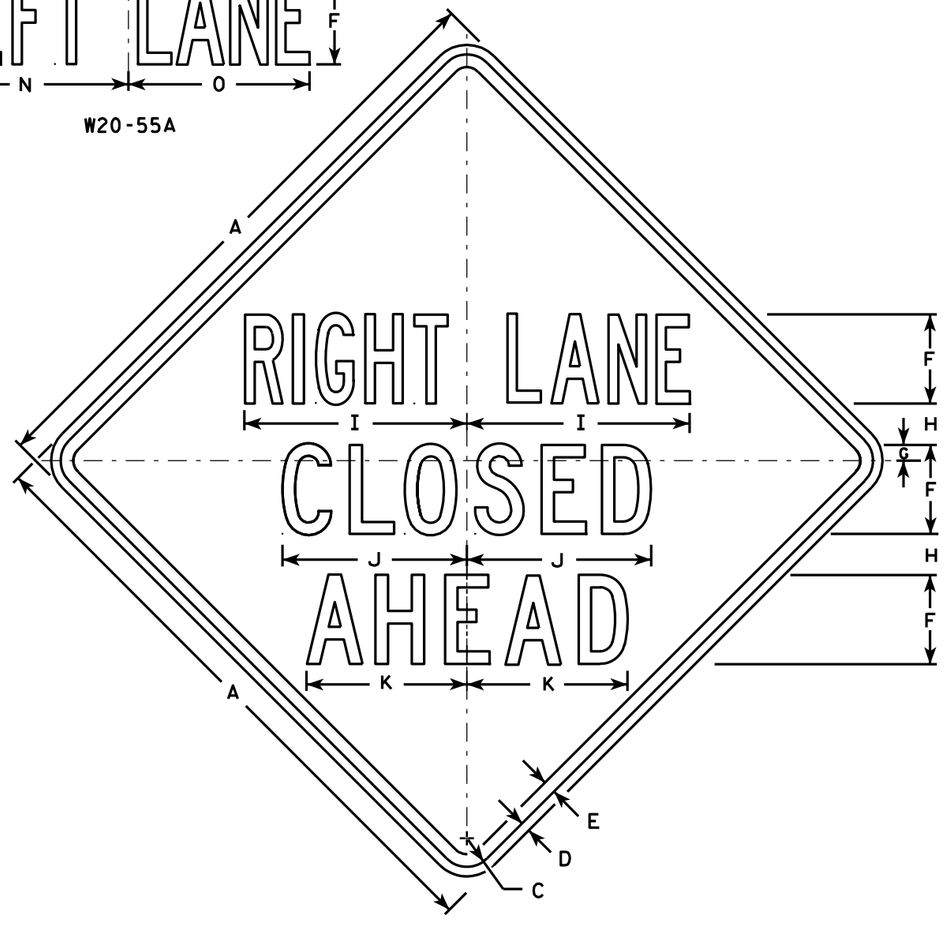
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



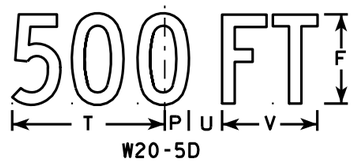
W20-56A



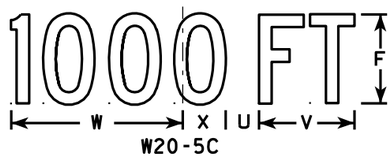
W20-55A



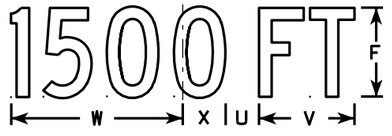
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

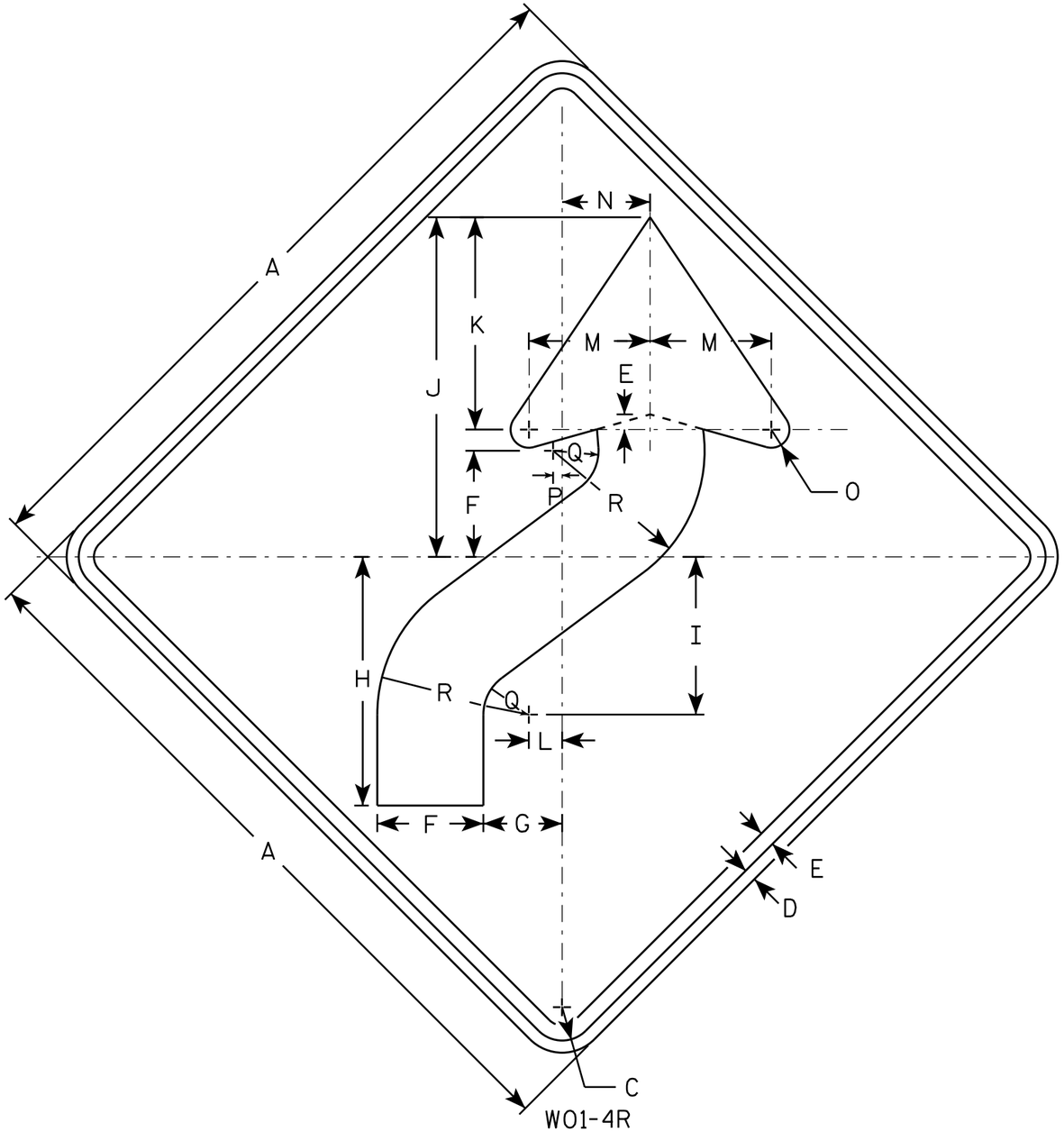
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 340 | E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W01-4R

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.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

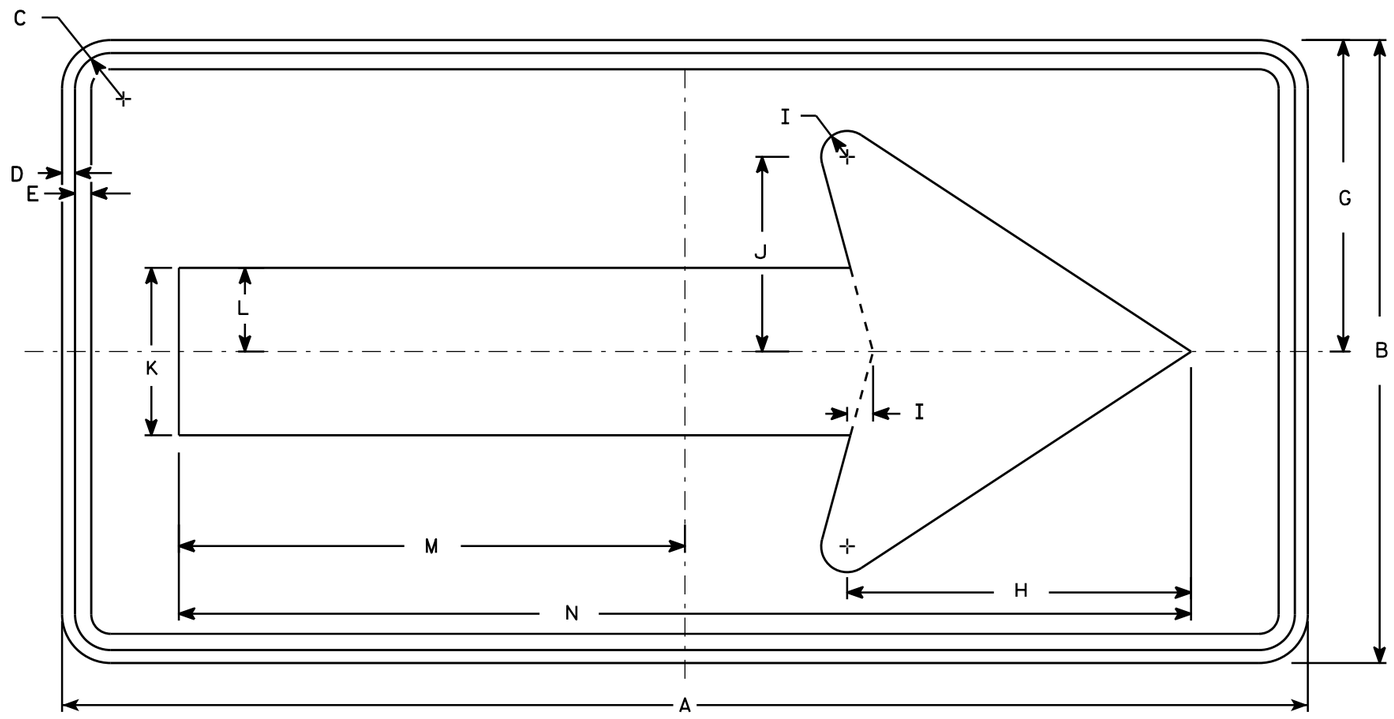
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO W01-4.1

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W014.DGN PLOT DATE : 28-FEB-2014 11:35 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 6.755110:1.000000
WISDOT/CADDS SHEET 42



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

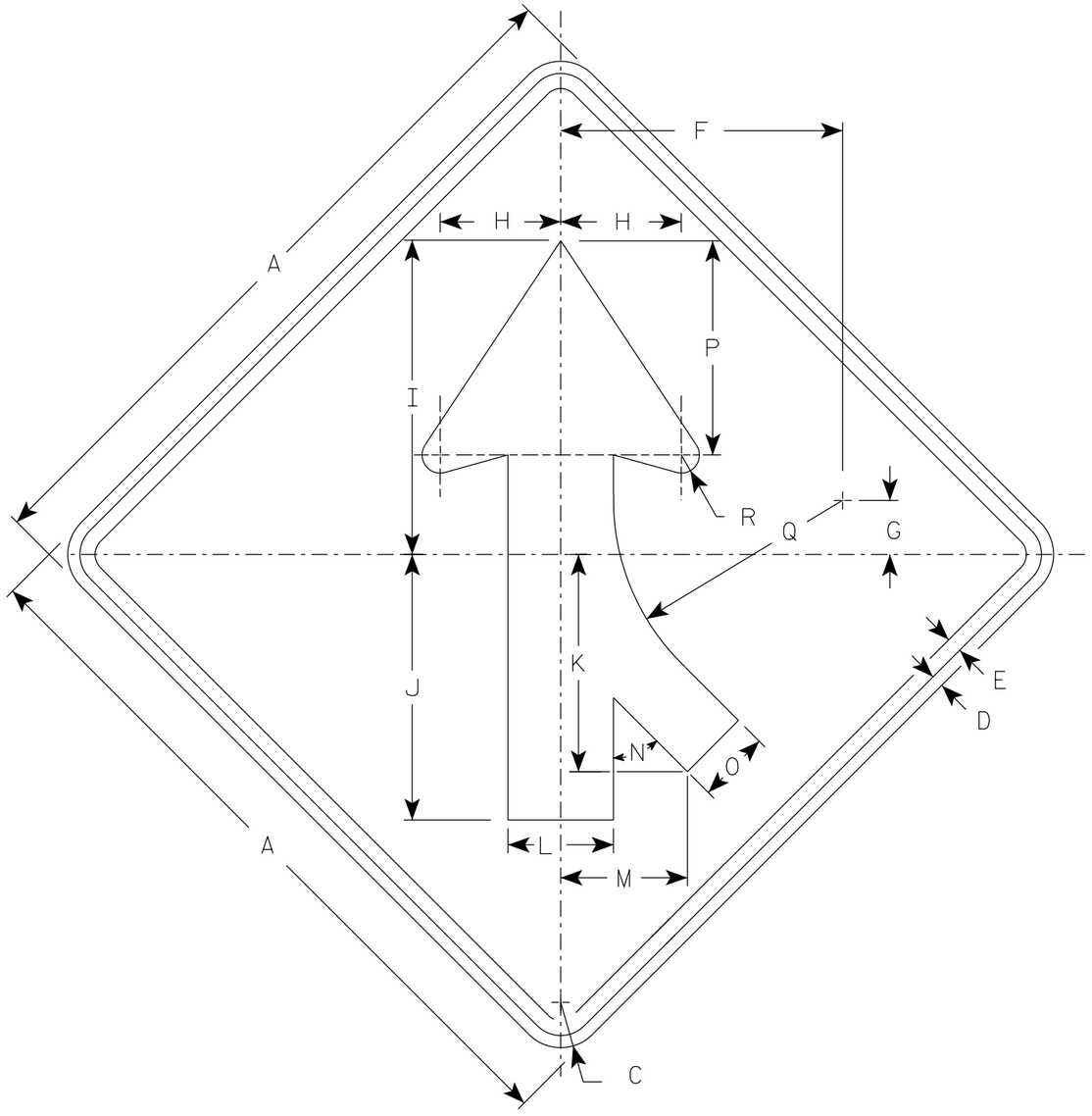
WISCONSIN DEPT OF TRANSPORTATION

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



W04-1R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-1L is the same as W04-1R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	14	2 3/4	6	15 3/4	13 1/4	10 1/4	5 1/4	6 3/8	45°	3 5/8	10 5/8	11 3/8	7/8									9.0
2S	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
2M	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
3	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
4	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0
5	48		2 1/4	3/4	1	18 3/4	3 5/8	8	20 1/2	17 1/2	14 3/8	7	8 3/8	45°	4 3/4	14 1/4	15 1/4	1 1/4									16.0

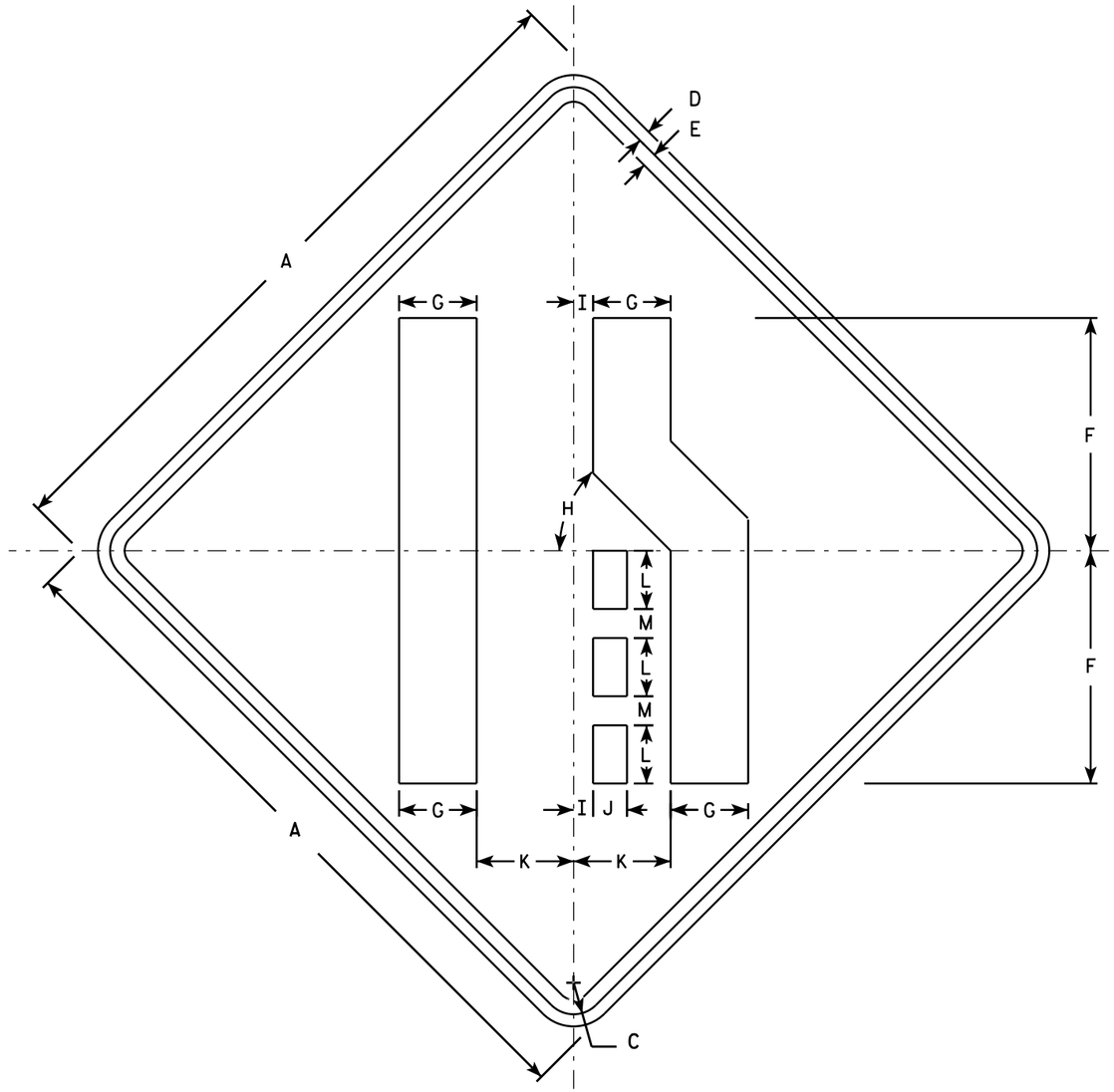
STANDARD SIGN
W04-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. W04-1.2

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



W04-2R

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.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

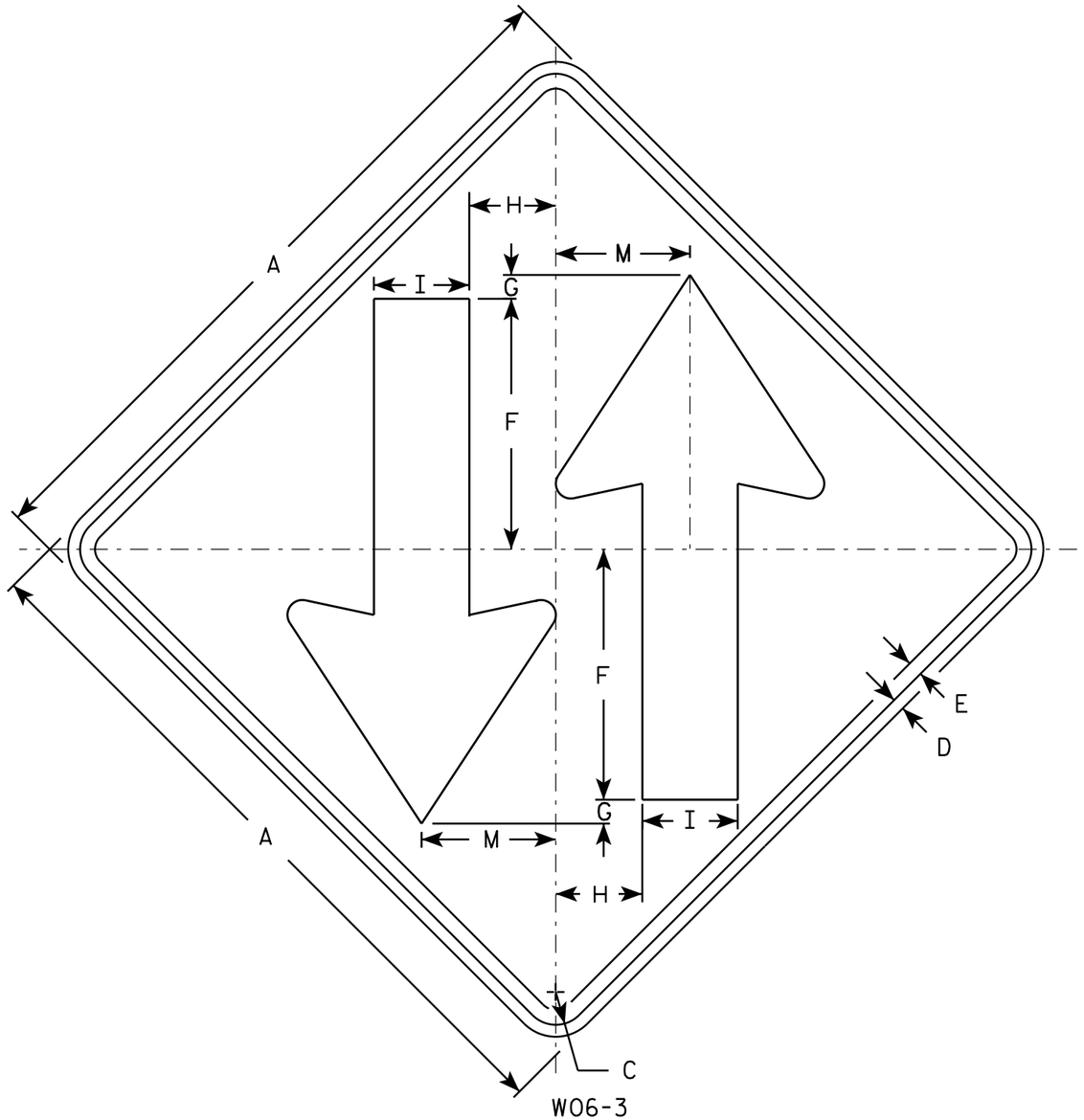
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 344 W04-2.1

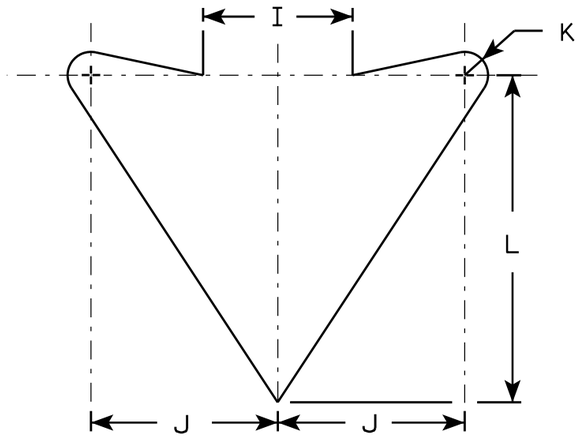
PROJECT NO: | SHEET NO: E



W06-3

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.



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	36		1 5/8	5/8	3/4	12	1	4 1/4	5	6	3/4	10 1/2	6 3/4														9.0
2S	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
2M	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
3	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
4	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0
5	48		2 1/4	3/4	1	15 1/2	1	6	6	8	1	14	9														16.0

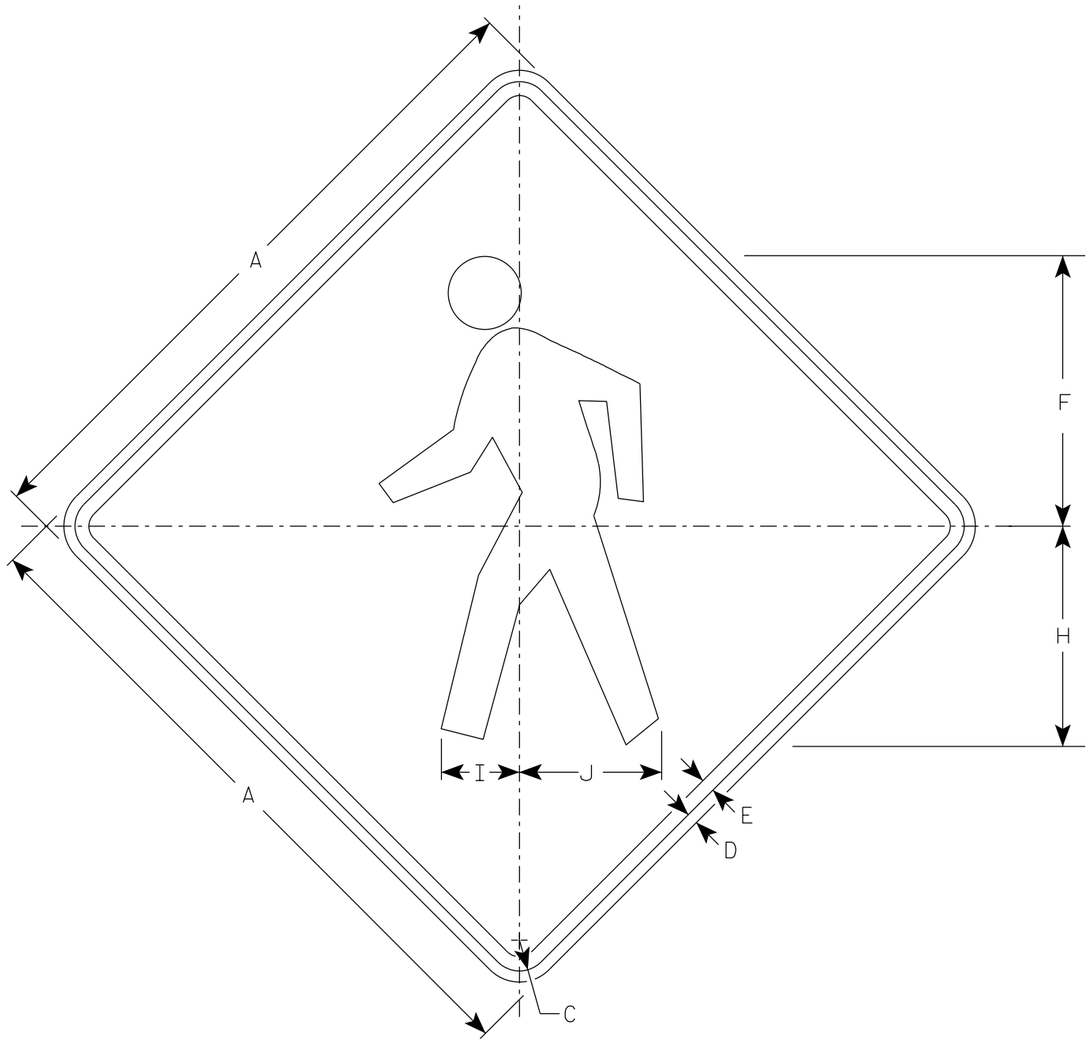
STANDARD SIGN
W06-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 345 W06-3.1

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



WO11-2

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.

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	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
2S	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
2M	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
3	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

STANDARD SIGN

WO11-2

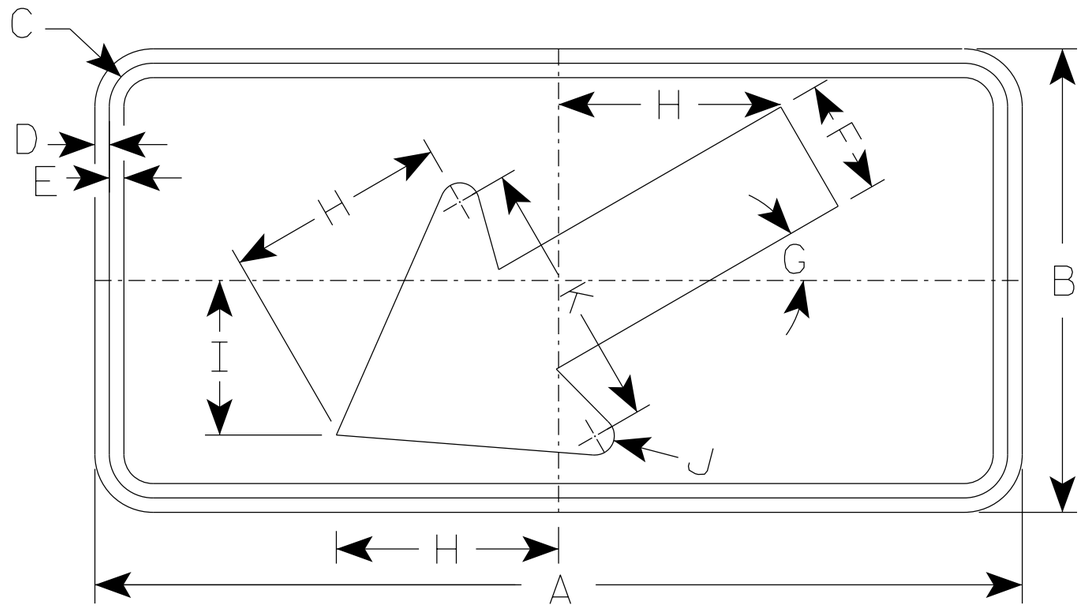
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

DATE 4/8/2020 PLATE NO. WO11-2.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 346	E



W016-7L

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded but corners shall be rounded when base material is metal.
4. W016-7R is the same as W016-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/8	3/8	1/2	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
2S	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
2M	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
3	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
4	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0
5	48	24	1 3/8	1/2	5/8	6	30°	11 1/2	8	1	14																8.0

STANDARD SIGN
W016-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/2021 PLATE NO. W016-7.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 347	E

DURAND AVE (STAGE 1)

STATION	Distance	AREA (SF) Cut	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.11	Mass Ordinate
141+03	0.00	92.27	0.00	0.00	0	0	0	0	0	0
141+50	47.00	93.39	0.02	0.00	162	0	0	162	0	162
142+00	50.00	92.36	0.65	0.00	172	1	0	334	1	333
142+50	50.00	91.88	0.07	0.00	171	1	0	505	2	503
143+00	50.00	86.30	0.36	0.00	165	0	0	670	2	668
143+50	50.00	75.28	1.93	0.00	150	2	0	820	4	816
144+00	50.00	79.23	1.80	0.00	143	3	0	963	8	955
144+50	50.00	82.07	0.73	0.00	149	2	0	1,112	11	1,102
145+00	50.00	84.04	0.71	0.00	154	1	0	1,266	12	1,255
145+50	50.00	86.57	1.18	0.00	158	2	0	1,424	14	1,411
145+60	10.00	86.07	2.28	0.00	32	1	0	1,456	15	1,442
146+00	40.00	93.47	0.00	0.00	133	2	0	1,589	17	1,572
146+50	50.00	99.91	0.00	0.00	179	0	0	1,768	17	1,751
147+00	50.00	127.06	0.00	0.00	210	0	0	1,978	17	1,961
147+23	23.00	155.68	0.00	0.00	120	0	0	2,098	17	2,081
147+50	27.00	132.78	0.00	0.00	144	0	0	2,242	17	2,225
148+00	50.00	105.25	0.00	0.00	220	0	0	2,462	17	2,445
148+50	50.00	99.41	0.00	0.00	190	0	0	2,652	17	2,635
149+00	50.00	94.99	0.00	0.00	180	0	0	2,832	17	2,815
149+50	50.00	92.70	0.00	0.00	174	0	0	3,006	17	2,989
150+00	50.00	90.67	0.82	0.00	170	1	0	3,176	18	3,158
150+50	50.00	171.01	0.00	0.00	242	1	0	3,418	19	3,399
151+00	50.00	92.40	0.00	0.00	244	0	0	3,662	19	3,643
151+50	50.00	92.00	0.00	0.00	171	0	0	3,833	19	3,814
152+00	50.00	91.31	0.00	0.00	170	0	0	4,003	19	3,984
152+50	50.00	102.54	0.00	0.00	179	0	0	4,182	19	4,163
153+00	50.00	98.92	0.00	0.00	187	0	0	4,369	19	4,350
153+50	50.00	106.44	0.00	0.00	190	0	0	4,559	19	4,540
153+88	38.00	160.70	0.00	0.00	188	0	0	4,747	19	4,728
154+00	12.00	165.28	0.00	0.00	72	0	0	4,819	19	4,800
154+50	50.00	112.79	0.00	28.50	257	0	26	5,076	19	5,057
155+00	50.00	116.08	0.00	28.50	212	0	53	5,288	19	5,269
155+50	50.00	115.50	0.00	28.50	214	0	53	5,502	19	5,483
156+00	50.00	122.36	0.00	28.50	220	0	53	5,722	19	5,703
156+50	50.00	107.08	0.00	28.50	212	0	53	5,934	19	5,915
157+00	50.00	167.12	0.00	34.58	254	0	58	6,188	19	6,169
157+20	20.00	197.84	0.00	0.00	135	0	13	6,323	19	6,304
157+26	6.00	171.99	0.00	0.00	41	0	0	6,364	19	6,345
157+50	24.00	155.83	0.00	0.00	146	0	0	6,510	19	6,491
158+00	50.00	124.93	0.00	0.00	260	0	0	6,770	19	6,751
158+50	50.00	153.48	0.07	0.00	258	0	0	7,028	19	7,009
159+00	50.00	295.25	0.00	0.00	415	0	0	7,443	19	7,424
159+50	50.00	110.64	0.00	0.00	376	0	0	7,819	19	7,800
160+00	50.00	103.15	0.00	0.00	198	0	0	8,017	19	7,998
160+50	50.00	104.97	0.00	0.00	193	0	0	8,210	19	8,191
161+00	50.00	103.42	0.15	0.00	193	0	0	8,403	19	8,384
161+50	50.00	79.71	0.08	0.00	170	0	0	8,573	19	8,554
162+00	50.00	73.49	0.14	0.00	142	0	0	8,715	19	8,696
162+50	50.00	82.45	0.04	0.00	144	0	0	8,859	19	8,840
162+70	20.00	88.53	0.00	0.00	63	0	0	8,922	19	8,903
SUBTOTAL		8,922	17	309						

DURAND AVE (STAGE 2)

STATION	Distance	AREA (SF) Cut	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.11	Mass Ordinate
141+03	0.00	89.04	0.00	0.00	0	0	0	0	0	0
141+50	47.00	93.79	0.00	0.00	159	0	0	159	0	159
142+00	50.00	93.04	0.00	0.00	173	0	0	332	0	332
142+50	50.00	93.61	0.00	0.00	173	0	0	505	0	505
143+00	50.00	87.65	0.00	0.00	168	0	0	673	0	673
143+50	50.00	79.81	0.14	0.00	155	0	0	828	0	828
144+00	50.00	78.43	0.00	0.00	147	0	0	975	0	975
144+50	50.00	83.70	0.11	0.00	150	0	0	1,125	0	1,125
145+00	50.00	93.97	0.00	0.00	165	0	0	1,290	0	1,290
145+50	50.00	152.05	0.00	0.00	228	0	0	1,518	0	1,518
145+60	10.00	158.07	0.00	0.00	57	0	0	1,575	0	1,575
146+00	40.00	109.15	0.00	0.00	198	0	0	1,773	0	1,773
146+50	50.00	99.06	0.00	0.00	193	0	0	1,966	0	1,966
147+00	50.00	117.99	0.00	0.00	201	0	0	2,167	0	2,167
147+23	23.00	91.95	0.00	0.00	89	0	0	2,256	0	2,256
147+50	27.00	90.57	0.02	0.00	91	0	0	2,347	0	2,347
148+00	50.00	112.85	0.00	0.00	188	0	0	2,535	0	2,535
148+50	50.00	84.10	0.17	0.00	182	0	0	2,717	0	2,717
149+00	50.00	90.99	0.00	0.00	162	0	0	2,879	0	2,879
149+50	50.00	82.80	0.29	0.00	161	0	0	3,040	0	3,040
150+00	50.00	83.37	0.51	0.00	154	1	0	3,194	1	3,193
150+50	50.00	166.87	0.00	0.00	232	0	0	3,426	1	3,425
151+00	50.00	104.38	0.00	0.00	251	0	0	3,677	1	3,676
151+50	50.00	91.74	0.00	0.00	182	0	0	3,859	1	3,858
152+00	50.00	92.35	0.00	0.00	170	0	0	4,029	1	4,028
152+50	50.00	92.49	0.00	0.00	171	0	0	4,200	1	4,199
153+00	50.00	108.59	0.00	0.00	186	0	0	4,386	1	4,385
153+50	50.00	104.49	0.00	0.00	197	0	0	4,583	1	4,582
153+88	38.00	94.37	0.00	0.00	140	0	0	4,723	1	4,722
154+00	12.00	113.75	0.00	0.00	46	0	0	4,769	1	4,768
154+50	50.00	104.90	0.00	28.50	202	0	26	4,971	1	4,970
155+00	50.00	115.03	0.00	29.81	204	0	54	5,175	1	5,174
155+50	50.00	125.97	0.00	33.14	223	0	58	5,398	1	5,397
156+00	50.00	173.27	0.00	36.48	277	0	64	5,675	1	5,674
156+50	50.00	145.61	0.00	39.81	295	0	71	5,970	1	5,969
157+00	50.00	152.20	0.00	38.06	276	0	72	6,246	1	6,245
157+20	20.00	157.86	0.00	0.00	115	0	14	6,361	1	6,360
157+26	6.00	151.31	0.00	0.00	34	0	0	6,395	1	6,394
157+50	24.00	125.90	0.00	0.00	123	0	0	6,518	1	6,517
158+00	50.00	92.29	0.04	0.00	202	0	0	6,720	1	6,719
158+50	50.00	152.66	0.00	0.00	227	0	0	6,947	1	6,946
159+00	50.00	78.34	0.00	0.00	214	0	0	7,161	1	7,160
159+50	50.00	252.25	0.00	0.00	306	0	0	7,467	1	7,466
160+00	50.00	150.28	0.74	0.00	373	1	0	7,840	2	7,838
160+50	50.00	120.00	0.00	0.00	250	1	0	8,090	3	8,087
161+00	50.00	140.48	0.00	0.00	241	0	0	8,331	3	8,328
161+50	50.00	95.18	0.04	0.00	218	0	0	8,549	3	8,546
162+00	50.00	81.55	0.00	0.00	164	0	0	8,713	3	8,710
162+50	50.00	79.90	0.00	0.00	149	0	0	8,862	3	8,859
162+77	27.00	53.19	0.00	0.00	67	0	0	8,929	3	8,926
SUBTOTAL		8,929	3	359						

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PROJECT NO: 2260-08-70 | HWY: STH 11 | COUNTY: RACINE | EARTHWORK QUANTITIES | SHEET NO: 348 E

DURAND AVE (STAGE 3)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.11	Cumulative Vol (CY) Mass Ordinate
161+50	0.00	26.38	0.00	0.00	0	0	0	0	0	0
162+00	50.00	30.98	0.00	0.00	53	0	0	53	0	53
162+50	50.00	31.65	0.00	0.00	58	0	0	111	0	111
163+00	50.00	17.26	0.00	0.00	45	0	0	156	0	156
163+50	50.00	19.46	0.00	0.00	34	0	0	190	0	190
163+75	25.00	20.70	0.00	0.00	19	0	0	209	0	209
			SUBTOTAL		209	0	0			

PACKARD AVE (STAGE 1)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.11	Cumulative Vol (CY) Mass Ordinate
49+05	0.00	42.66	1.81	0	0	0	0	0
49+50	45.00	69.92	0.00	94	2	94	2	92
		SUBTOTAL		94	2			

MADISON ST (STAGE 2)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.11	Cumulative Vol (CY) Mass Ordinate
10+50	0.00	89.96	0.00	0	0	0	0	0
11+00	50.00	59.13	0.15	138	0	138	0	138
		SUBTOTAL		138	0			

HAMILTON AVE (SOUTH) (STAGE 1)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.11	Cumulative Vol (CY) Mass Ordinate
59+25	0.00	50.30	0.00	0	0	0	0	0
59+50	25.00	72.90	0.00	57	0	57	0	57
		SUBTOTAL		57	0			

COOLIDGE AVE (STAGE 1)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.11	Cumulative Vol (CY) Mass Ordinate
19+10	0.00	22.71	0.00	0	0	0	0	0
19+50	40.00	56.64	0.03	59	0	59	0	59
		SUBTOTAL		59	0			

HAMILTON AVE (NORTH) (STAGE 2)

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.11	Cumulative Vol (CY) Mass Ordinate
70+65	0.00	94.23	0.22	0	0	0	0	0
71+00	35.00	80.87	0.00	113	0	113	0	113
		SUBTOTAL		113	0			

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PROJECT NO: 2260-08-70 | HWY: STH 11 | COUNTY: RACINE | EARTHWORK QUANTITIES | SHEET NO: 349 E

S MEMORIAL DR (STAGE 1)

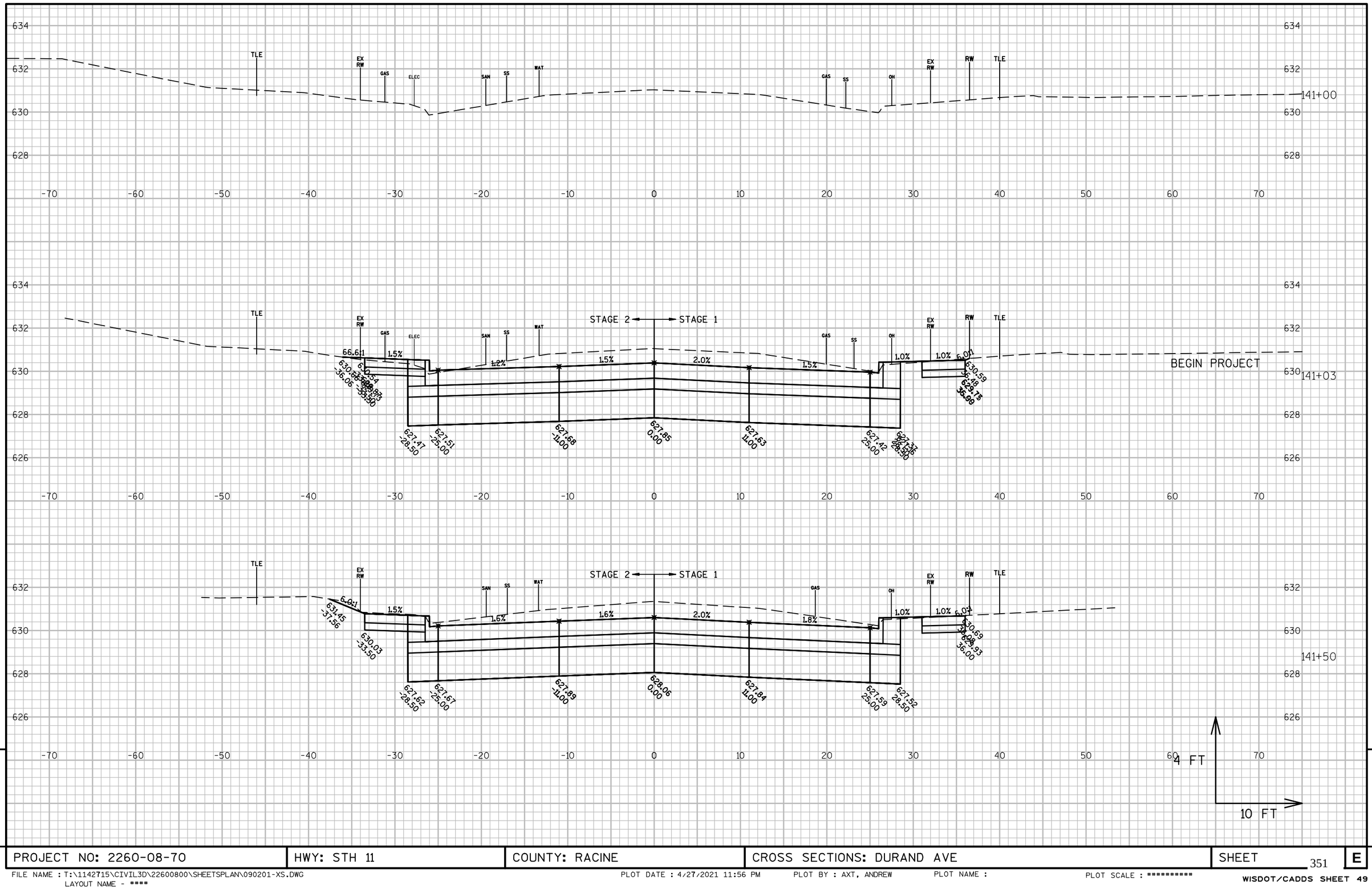
STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Fill	EBS	Cut	Fill	EBS	Cut 1.00	Expanded Fill 1.11	Mass Ordinate
76+98	0.00	69.44	0.00	0.00	0	0	0	0	0	0
77+50	52.00	67.99	2.31	23.21	132	2	22	132	2	130
78+00	50.00	75.70	0.00	27.00	133	2	46	265	5	261
78+50	50.00	90.56	0.00	28.00	154	0	51	419	5	415
79+00	50.00	101.24	0.00	33.00	178	0	56	597	5	593
79+25 BK	25.00	96.38	3.08	22.00	91	1	25	688	6	682
80+75 AH	0.00	61.98	0.00	0.00	0	0	0	688	6	682
81+00	25.00	60.77	0.00	0.00	57	0	0	745	6	739
81+50	50.00	93.21	0.00	0.00	143	0	0	888	6	882
81+75	25.00	72.16	0.01	0.00	77	0	0	965	6	959
	SUBTOTAL				965	5	200			

S MEMORIAL DR (STAGE 2)

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Fill	EBS	Cut	Fill	EBS	Cut 1.00	Expanded Fill 1.11	Mass Ordinate
76+98	0.00	174.26	0.00	0.00	0	0	0	0	0	0
77+50	52.00	78.42	0.00	22.04	243	0	21	243	0	243
78+00	50.00	85.76	0.00	24.74	152	0	43	395	0	395
78+50	50.00	130.36	0.00	33.00	200	0	53	595	0	595
79+00	50.00	153.61	0.00	41.81	263	0	69	858	0	858
79+25 BK	25.00	152.85	0.00	50.78	142	0	43	1,000	0	1,000
80+75 AH	0.00	217.67	0.46	0.00	0	0	0	1,000	0	1,000
81+00	25.00	172.71	0.73	0.00	181	1	0	1,181	1	1,180
81+50	50.00	79.47	0.00	0.00	233	1	0	1,414	2	1,412
81+75	25.00	69.04	0.01	0.00	69	0	0	1,483	2	1,481
	SUBTOTAL				1,483	2	229			

S MEMORIAL DR (STAGE 3)

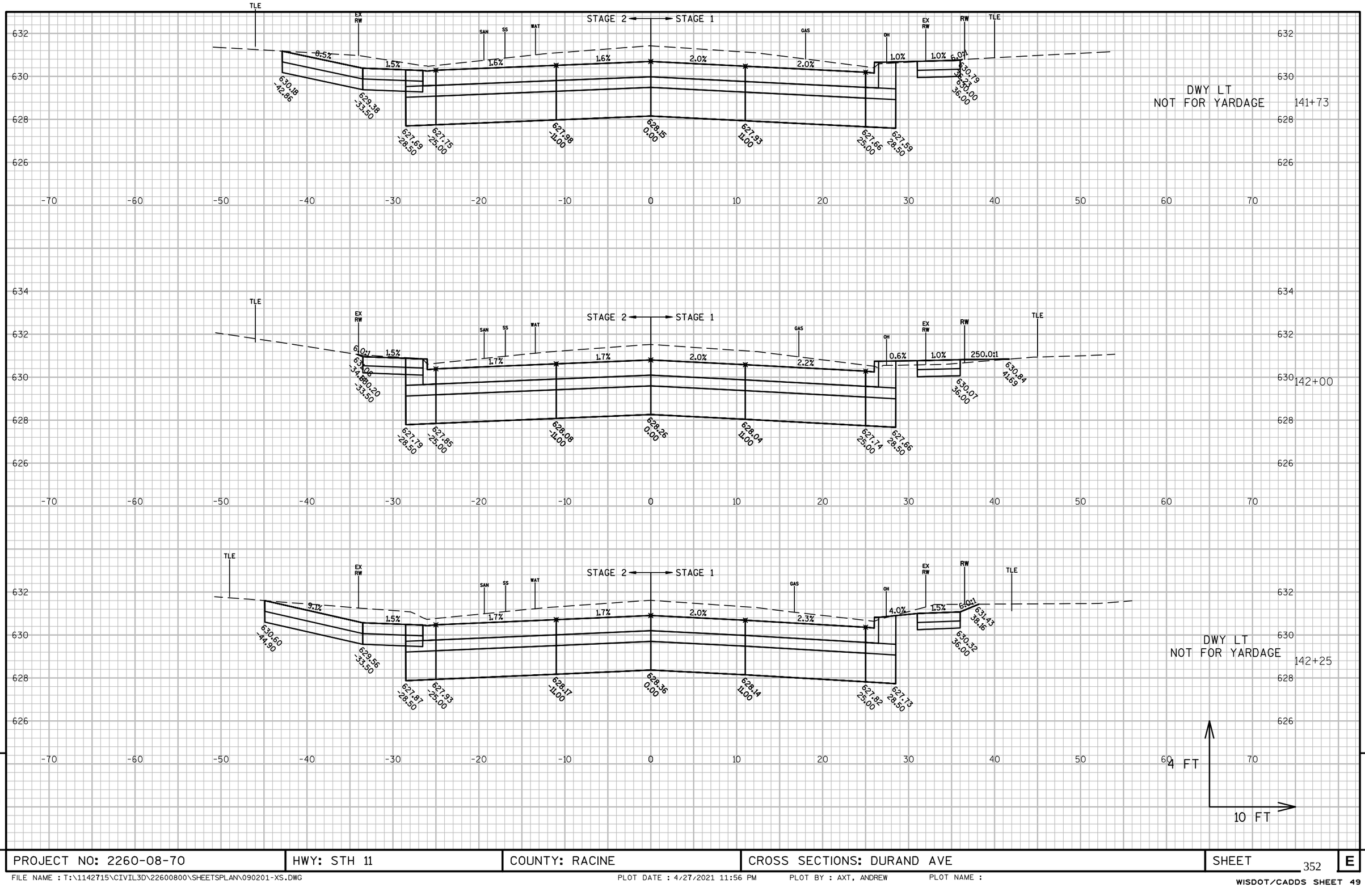
STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		
		Cut	Fill	EBS	Cut	Fill	EBS	Cut 1.00	Expanded Fill 1.11	Mass Ordinate
76+98	0.00	11.86	0.00	0.00	0	0	0	0	0	0
77+50	52.00	19.64	0.00	7.68	30	0	7	30	0	30
78+00	50.00	28.90	0.00	10.45	45	0	17	75	0	75
78+50	50.00	34.85	0.00	11.00	59	0	20	134	0	134
79+00	50.00	34.48	0.00	11.00	64	0	20	198	0	198
79+25 BK	25.00	32.09	0.00	11.00	31	0	10	229	0	229
80+75 AH	0.00	29.78	0.00	0.00	0	0	0	229	0	229
81+00	25.00	30.22	0.00	0.00	28	0	0	257	0	257
81+50	50.00	29.98	0.00	0.00	56	0	0	313	0	313
81+75	25.00	27.90	0.00	0.00	27	0	0	340	0	340
	SUBTOTAL				340	0	74			



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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 351	E

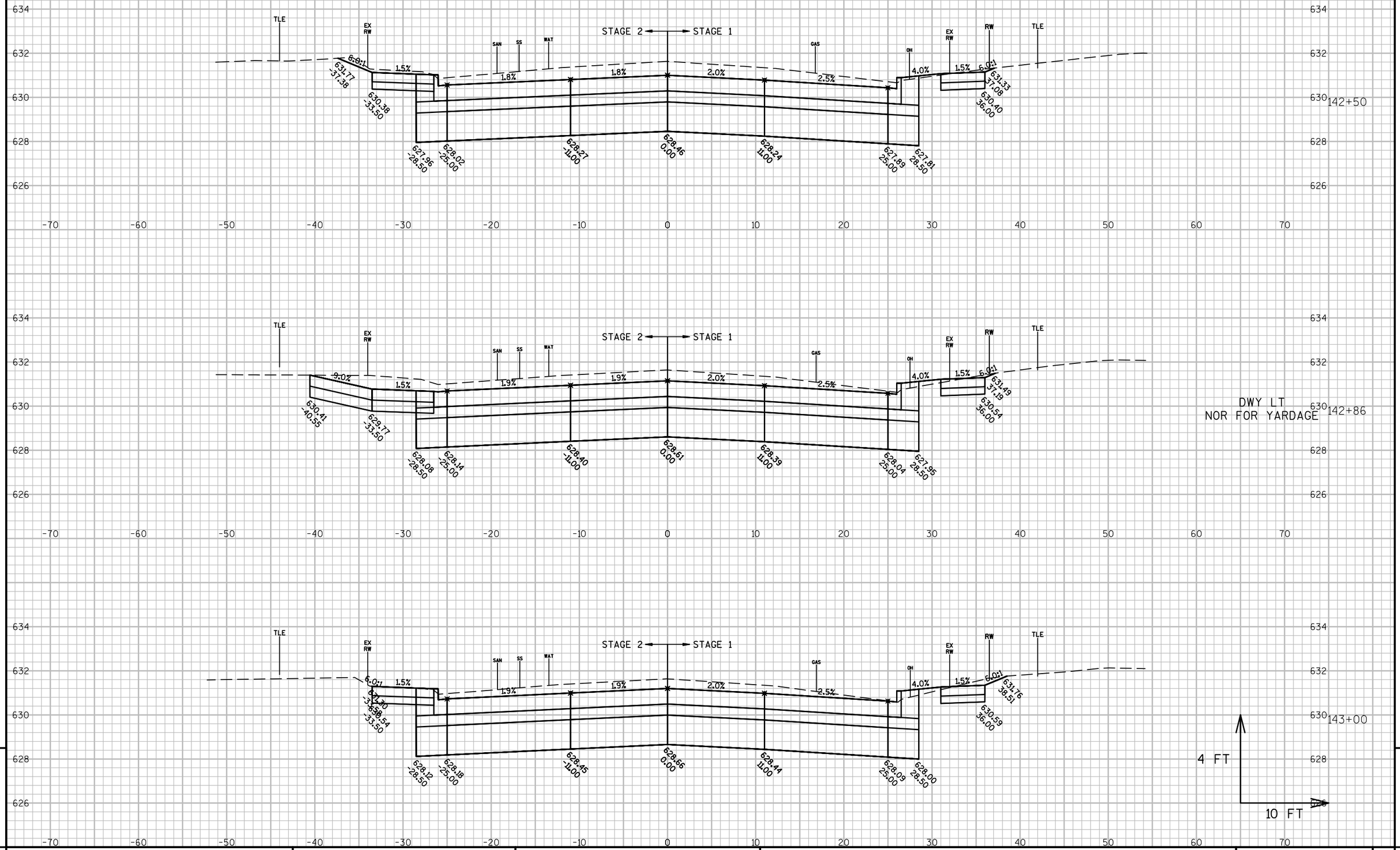
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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 352	E

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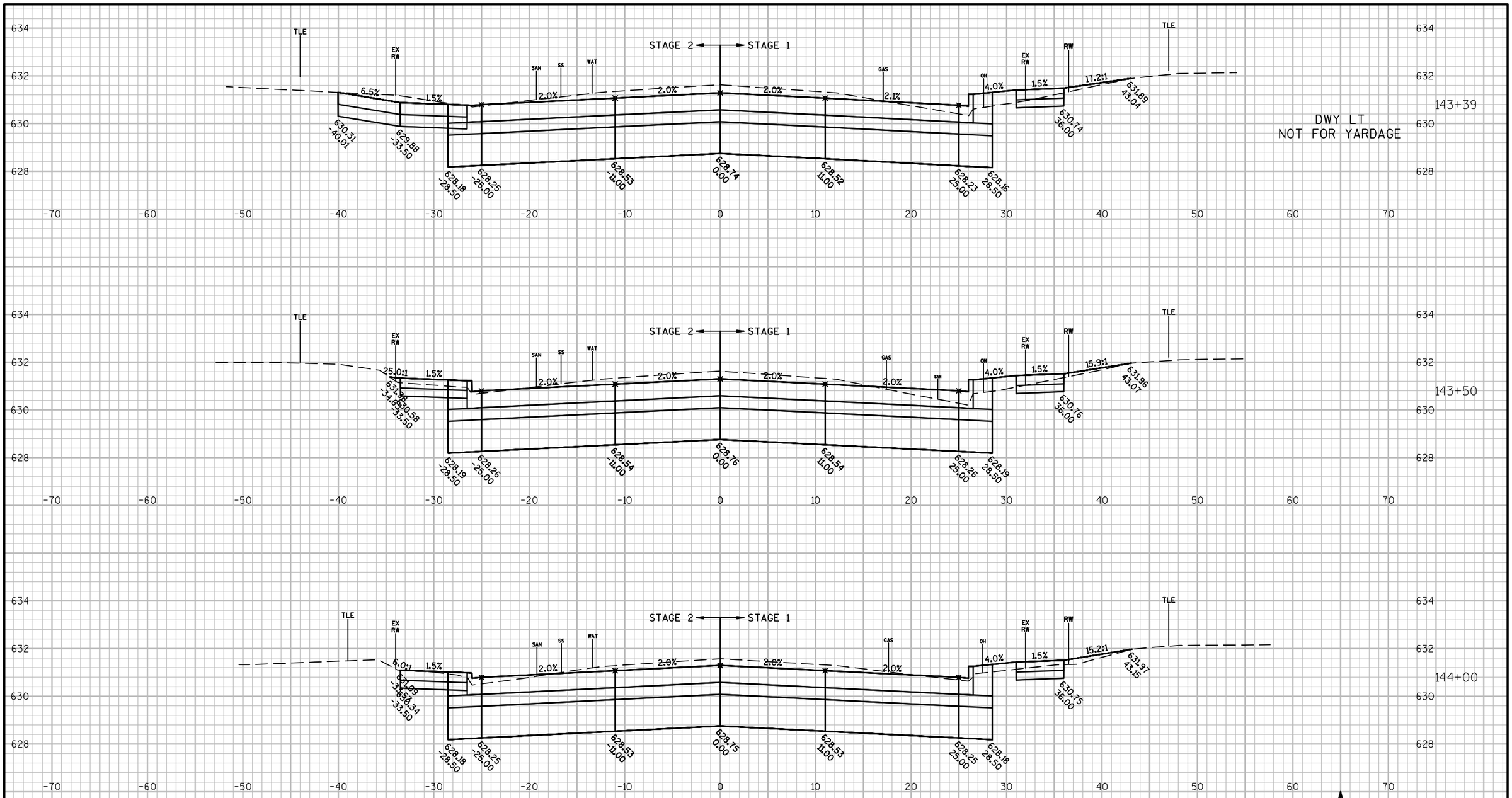
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 353	E

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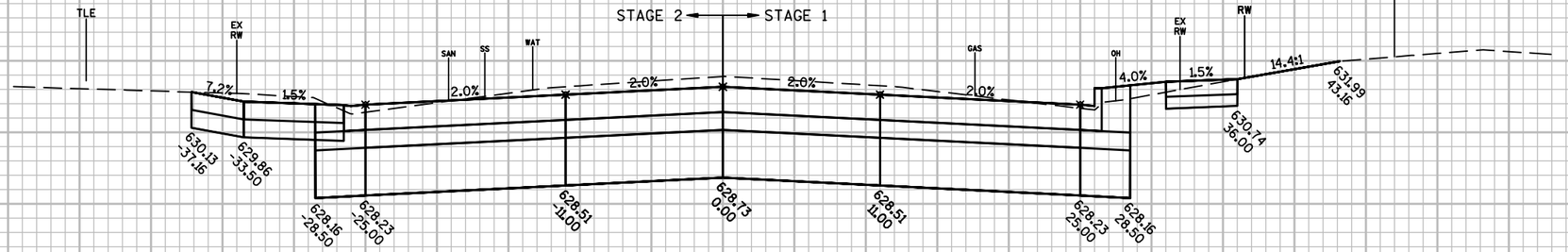
WISDOT/CADDS SHEET 49



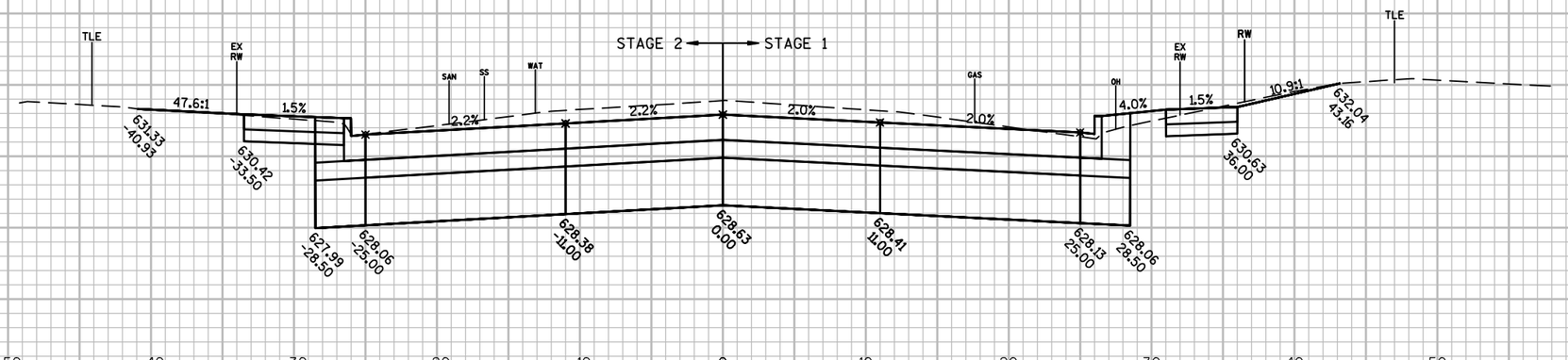
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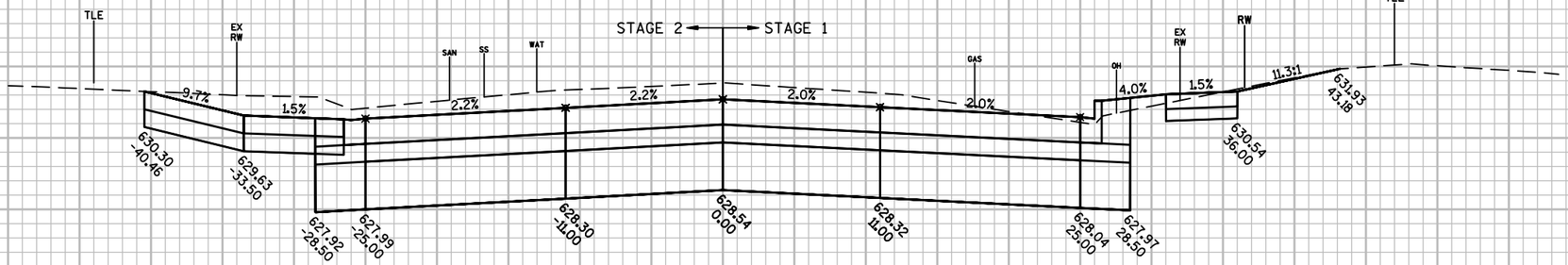
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 354	E



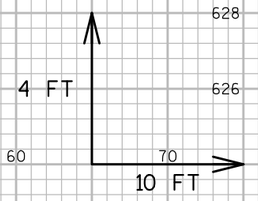
DWY LT
NOT FOR YARDAGE 144+10



144+50

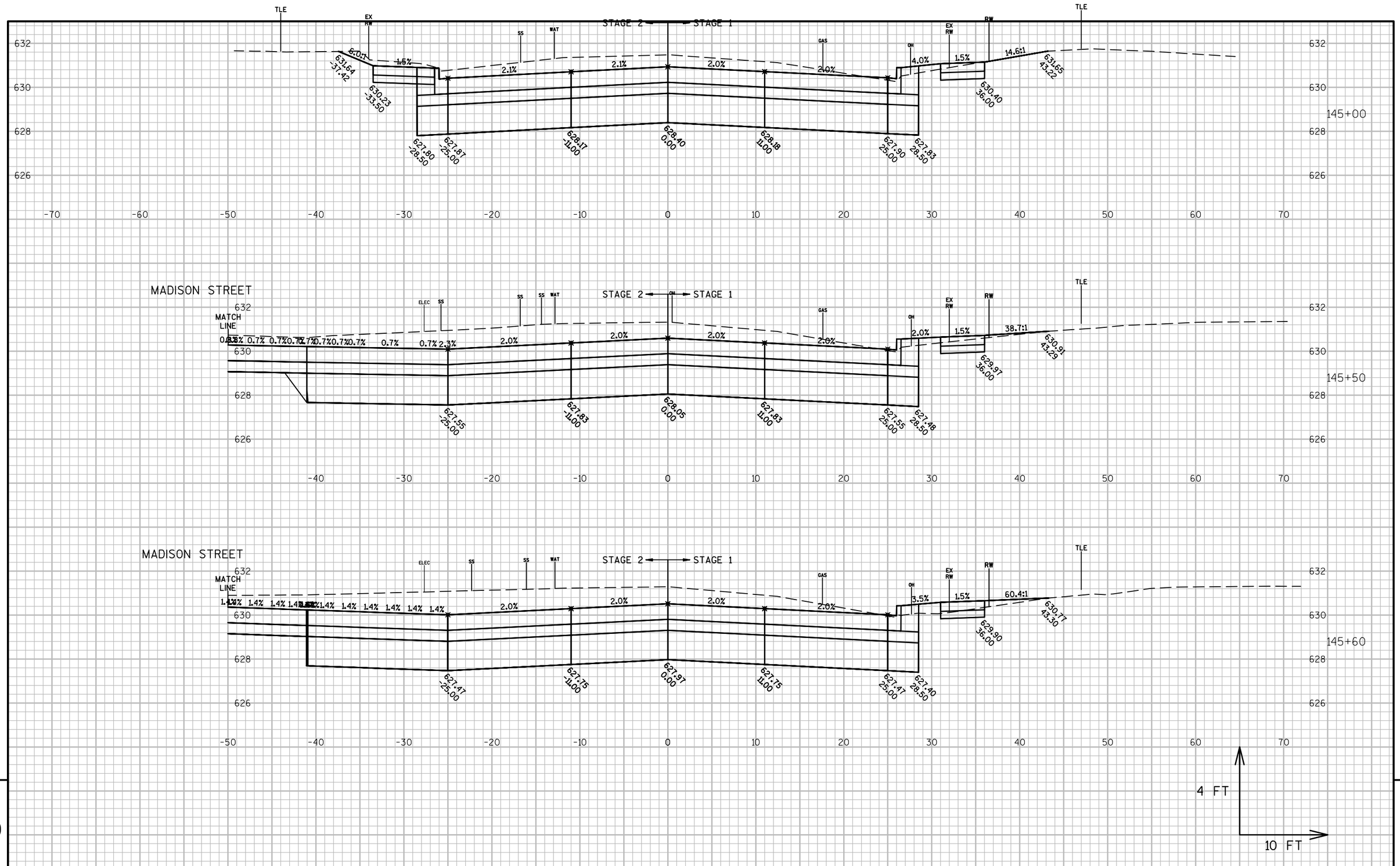


DWY LT
NOT FOR YARDAGE 144+72



9 9

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 355	E

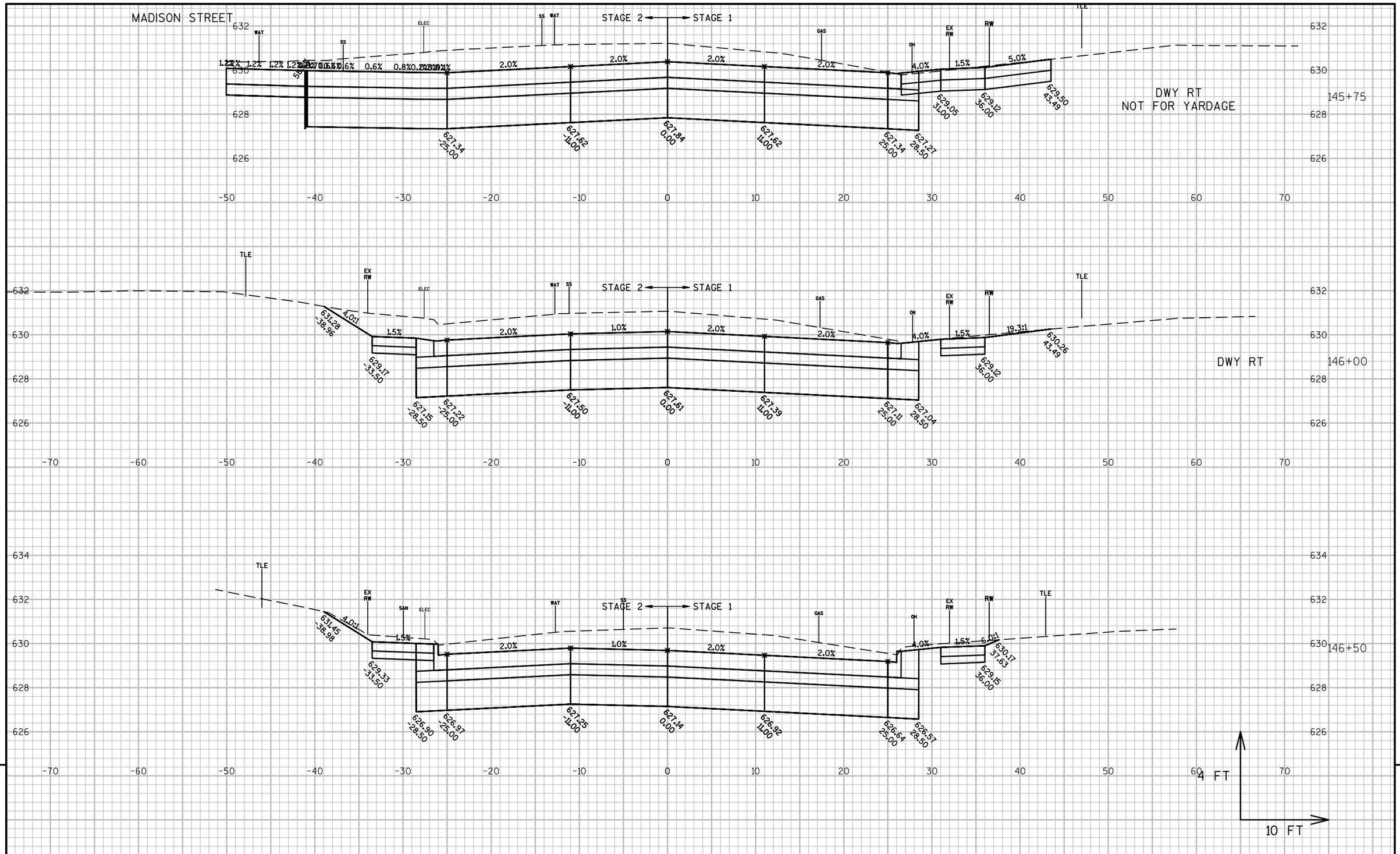


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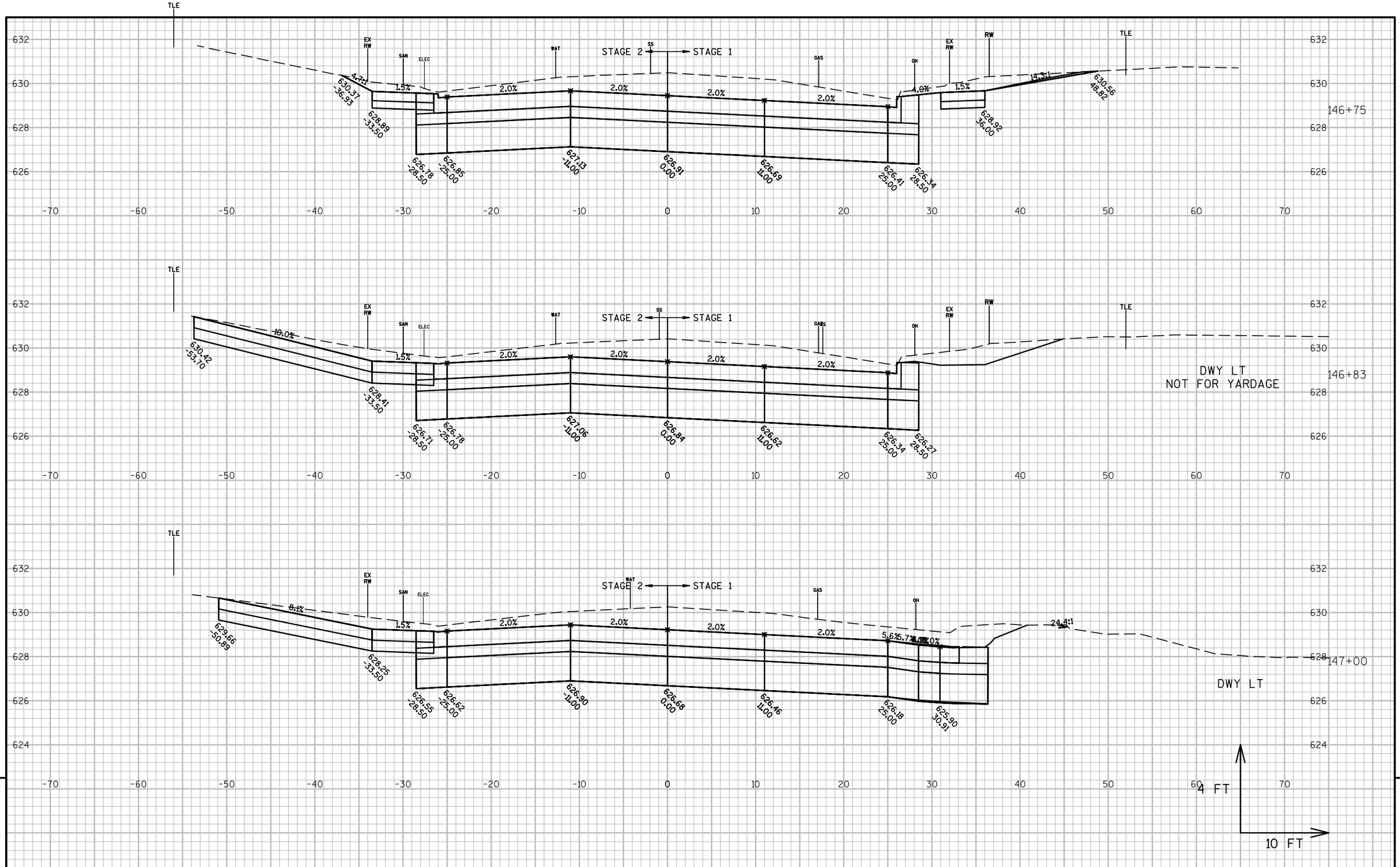
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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 356	E

MADISON STREET



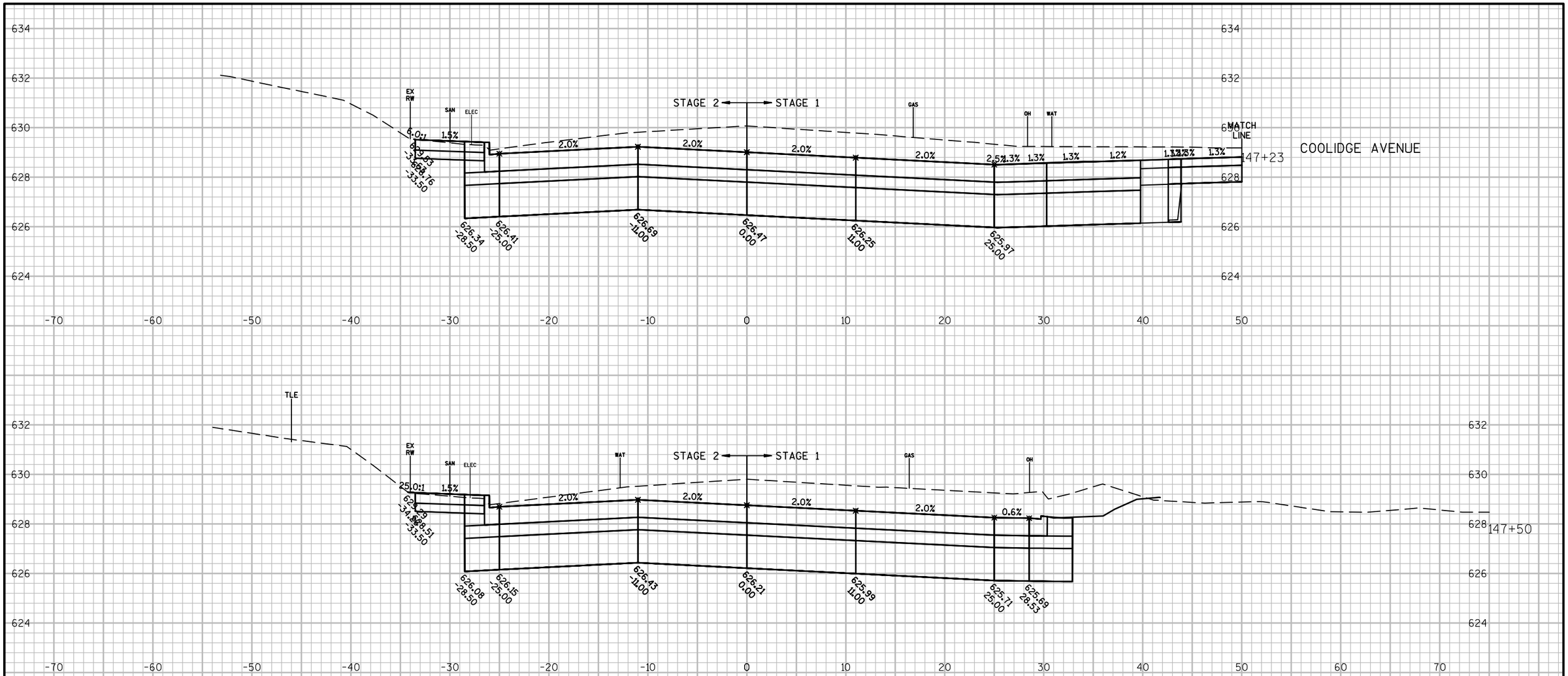
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 357	E



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 358	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:56 PM PLOT BY : AXT, ANDREW PLOT NAME :

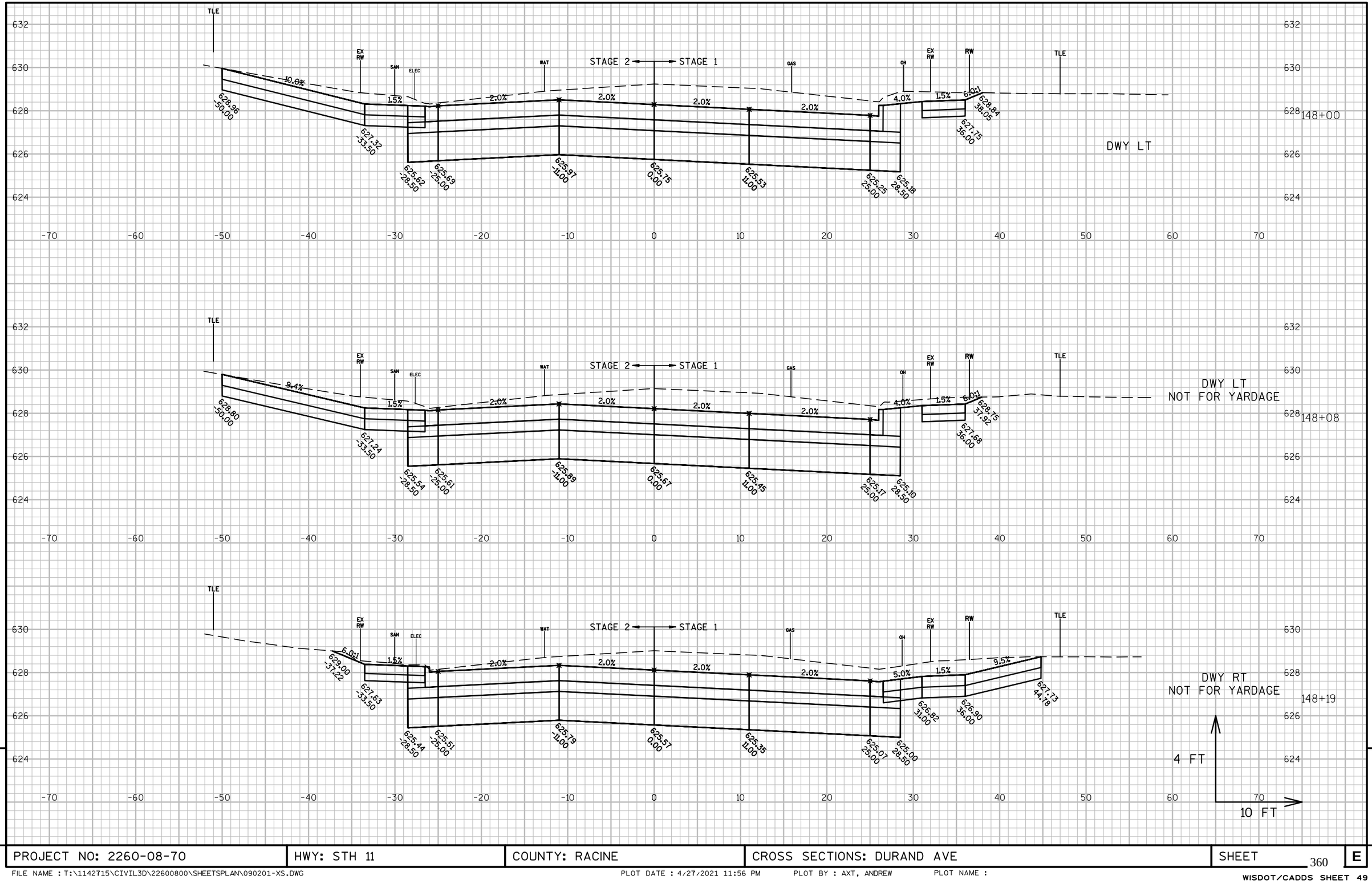
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 359	E

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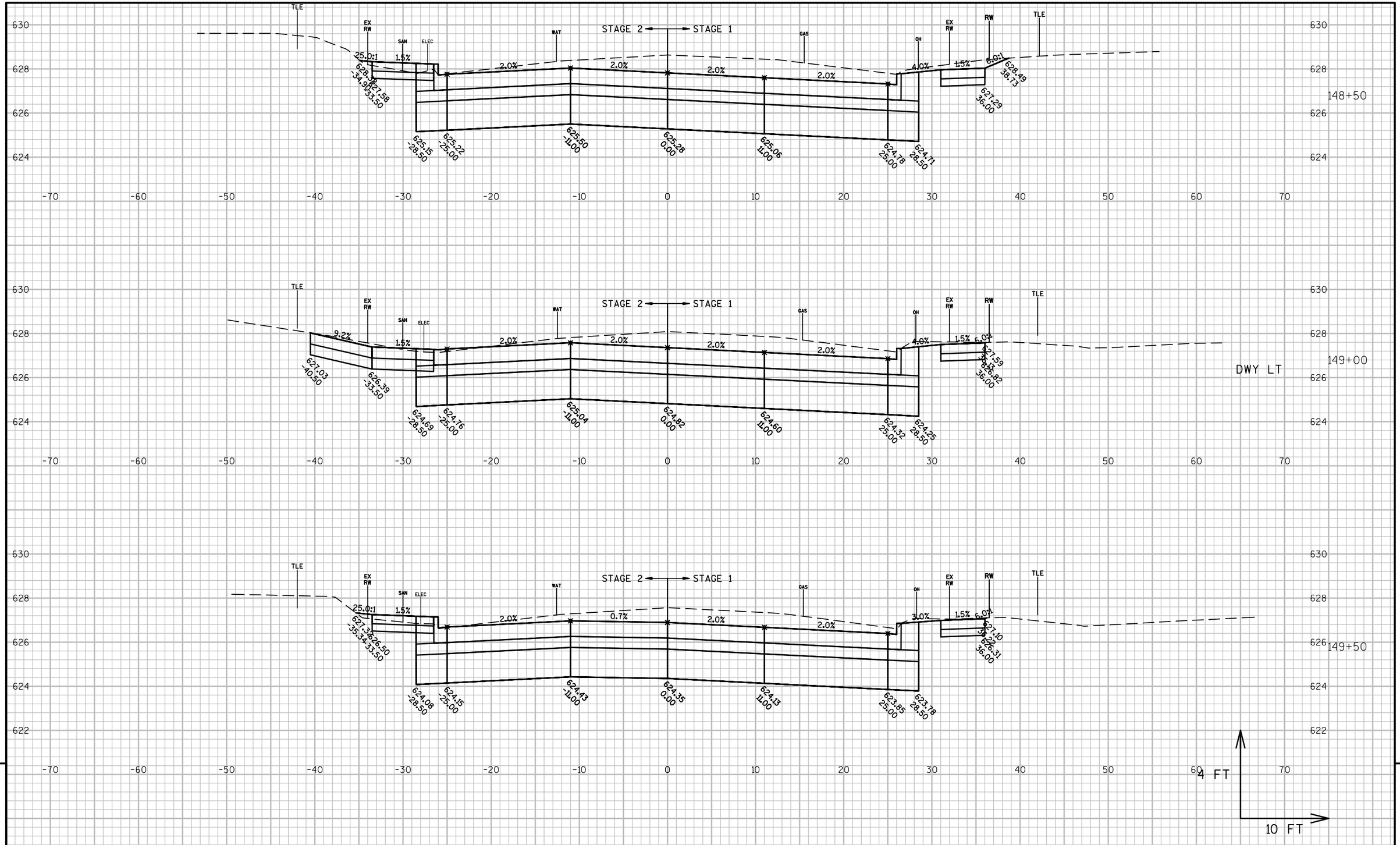
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 360	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:56 PM PLOT BY : AXT, ANDREW PLOT NAME :

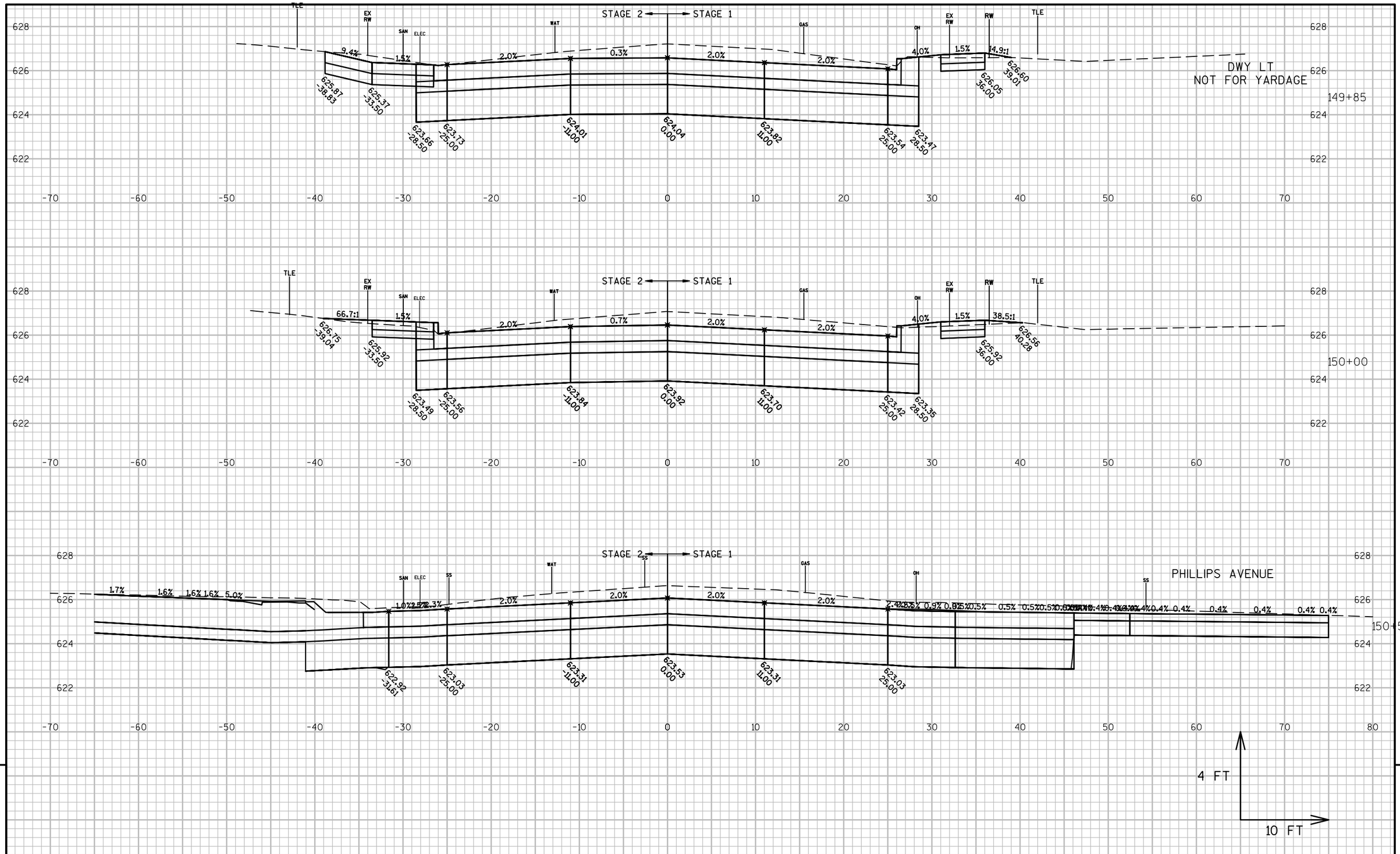
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 361	E

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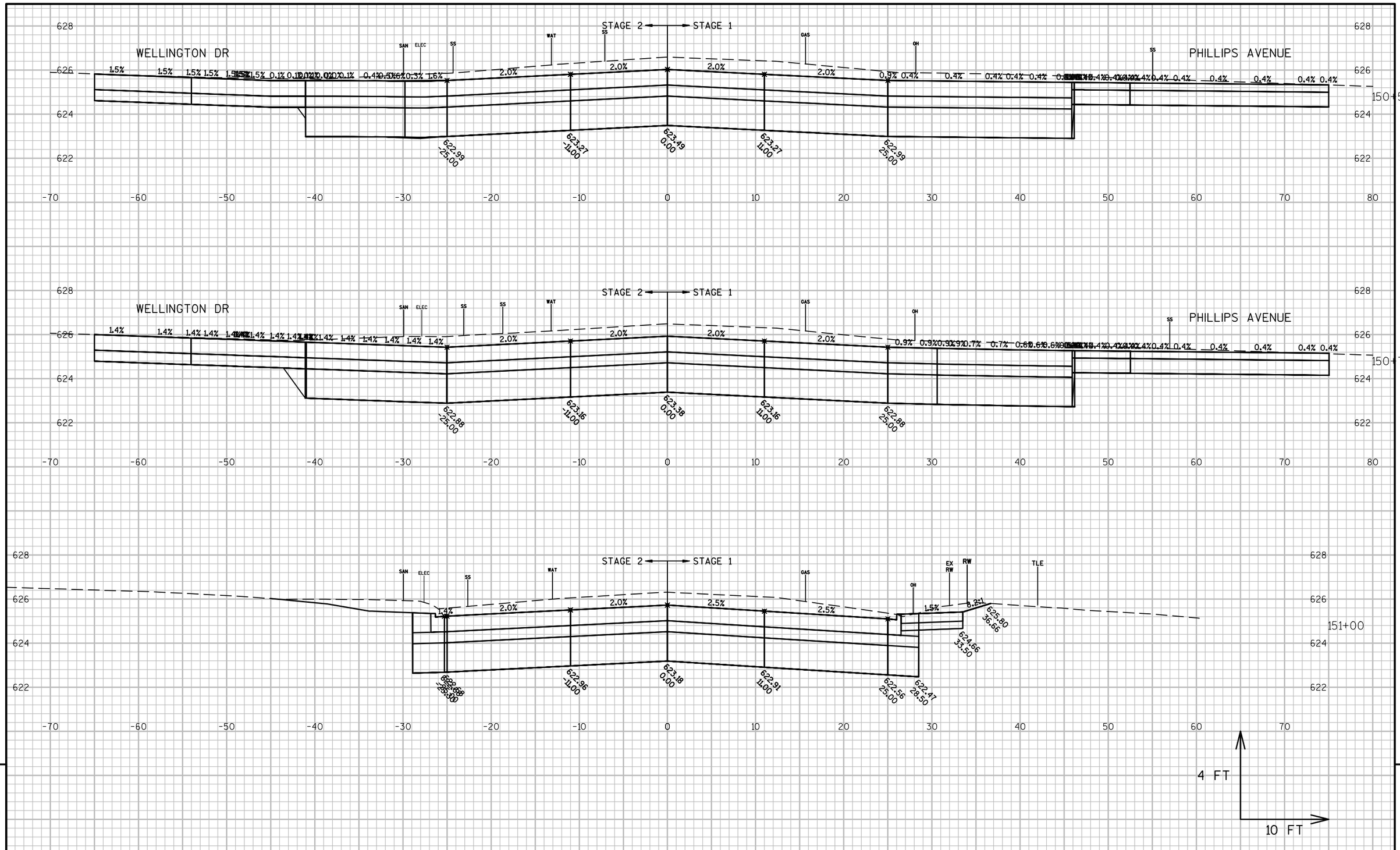
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 362 E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:57 PM PLOT BY : AXT, ANDREW PLOT NAME :

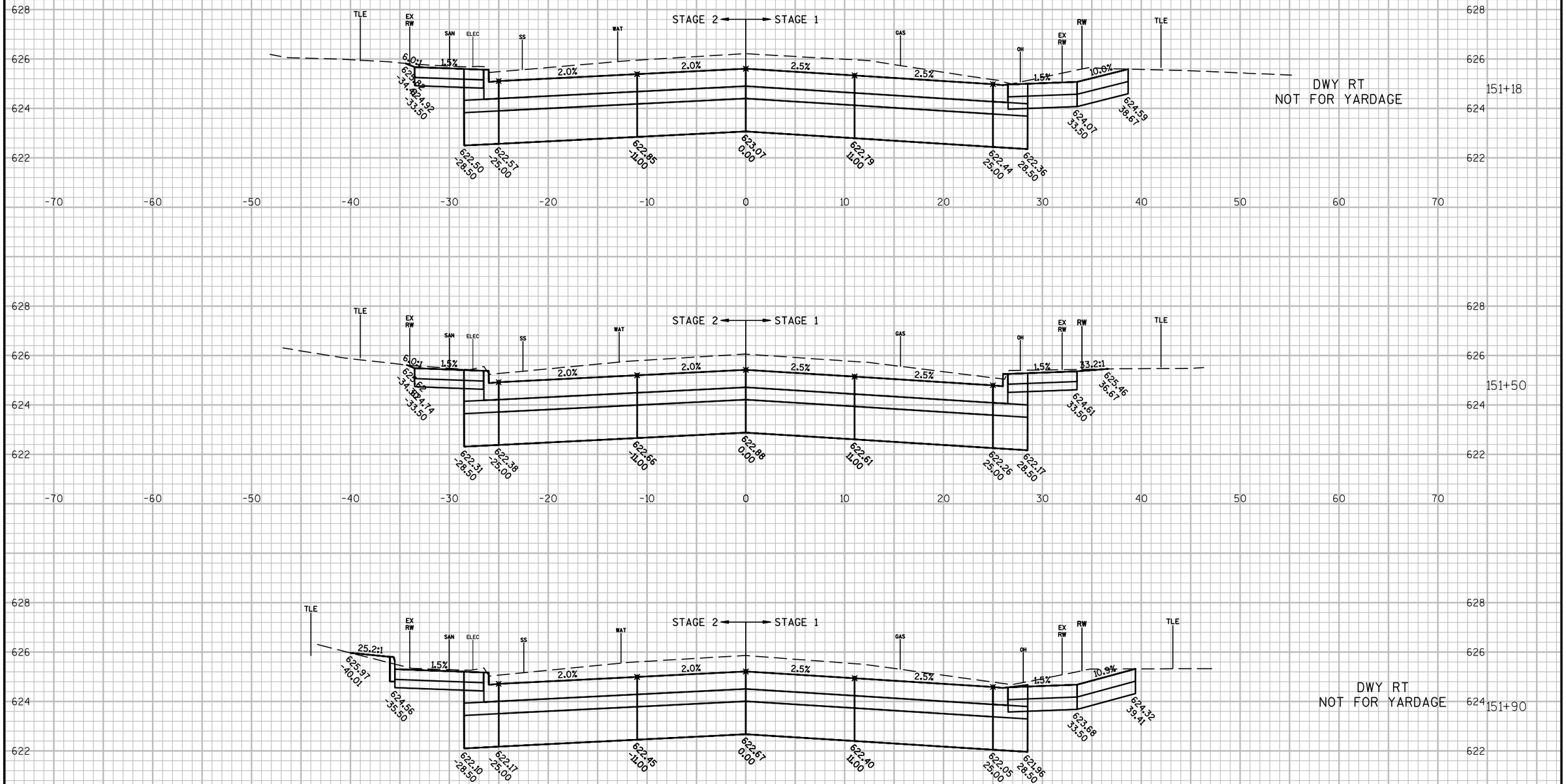
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 363 E

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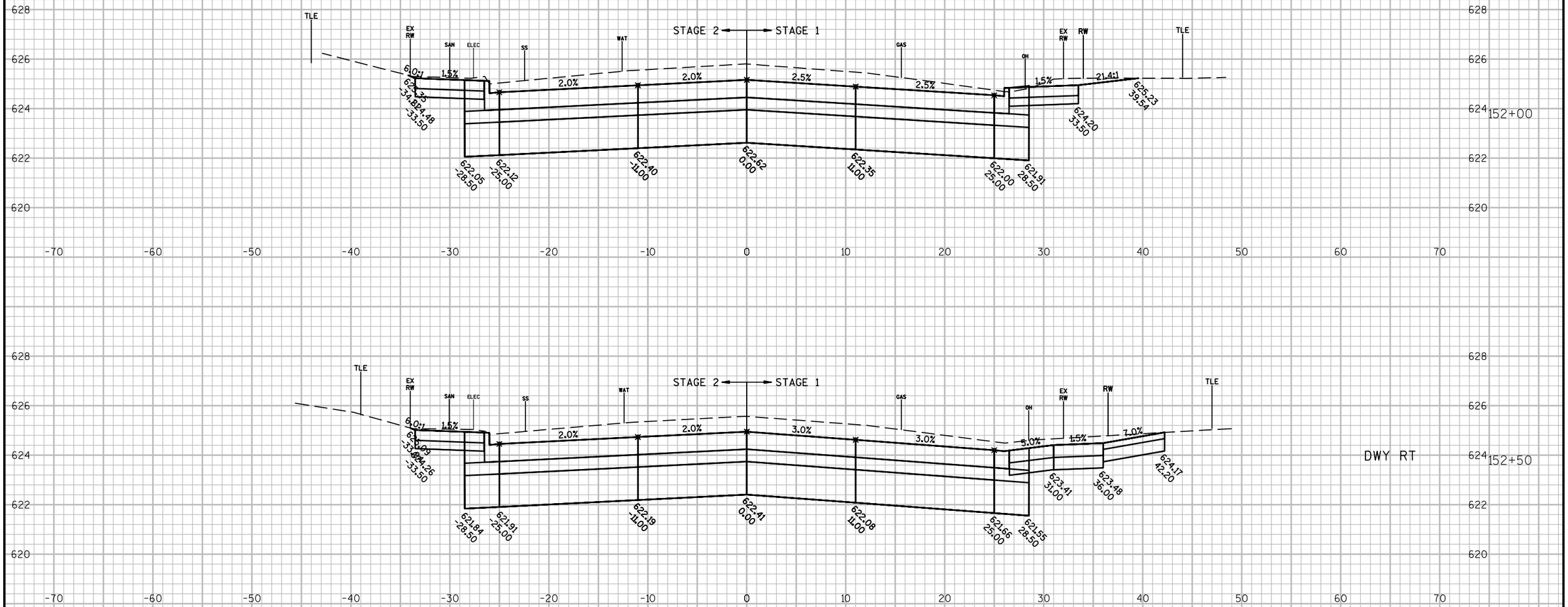
WISDOT/CADDS SHEET 49

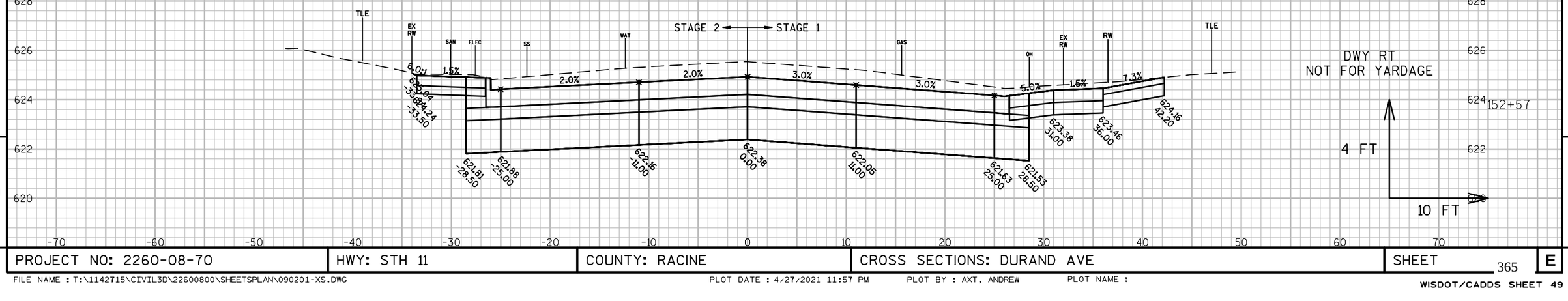


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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 364	E

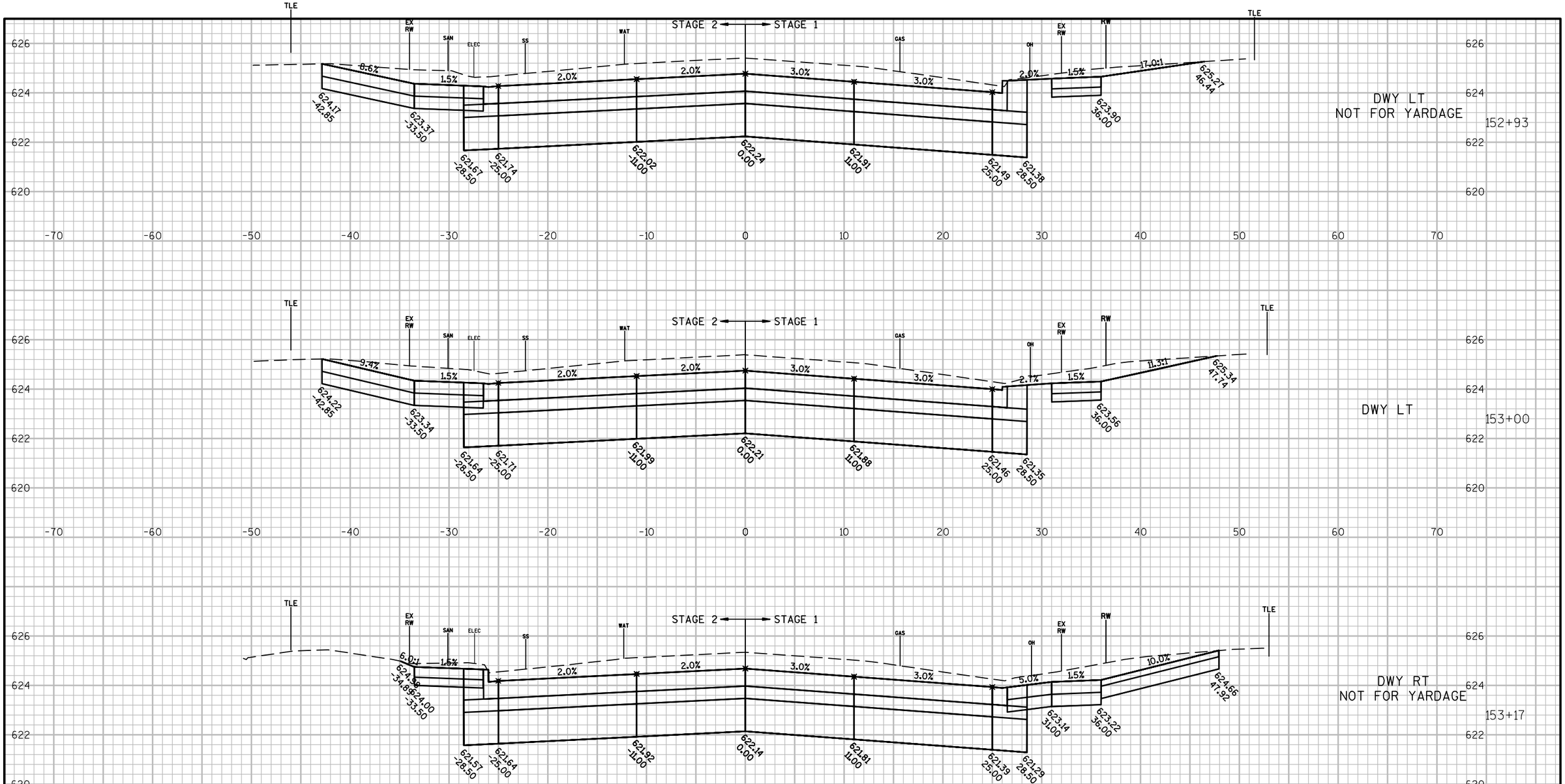




PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 365	E

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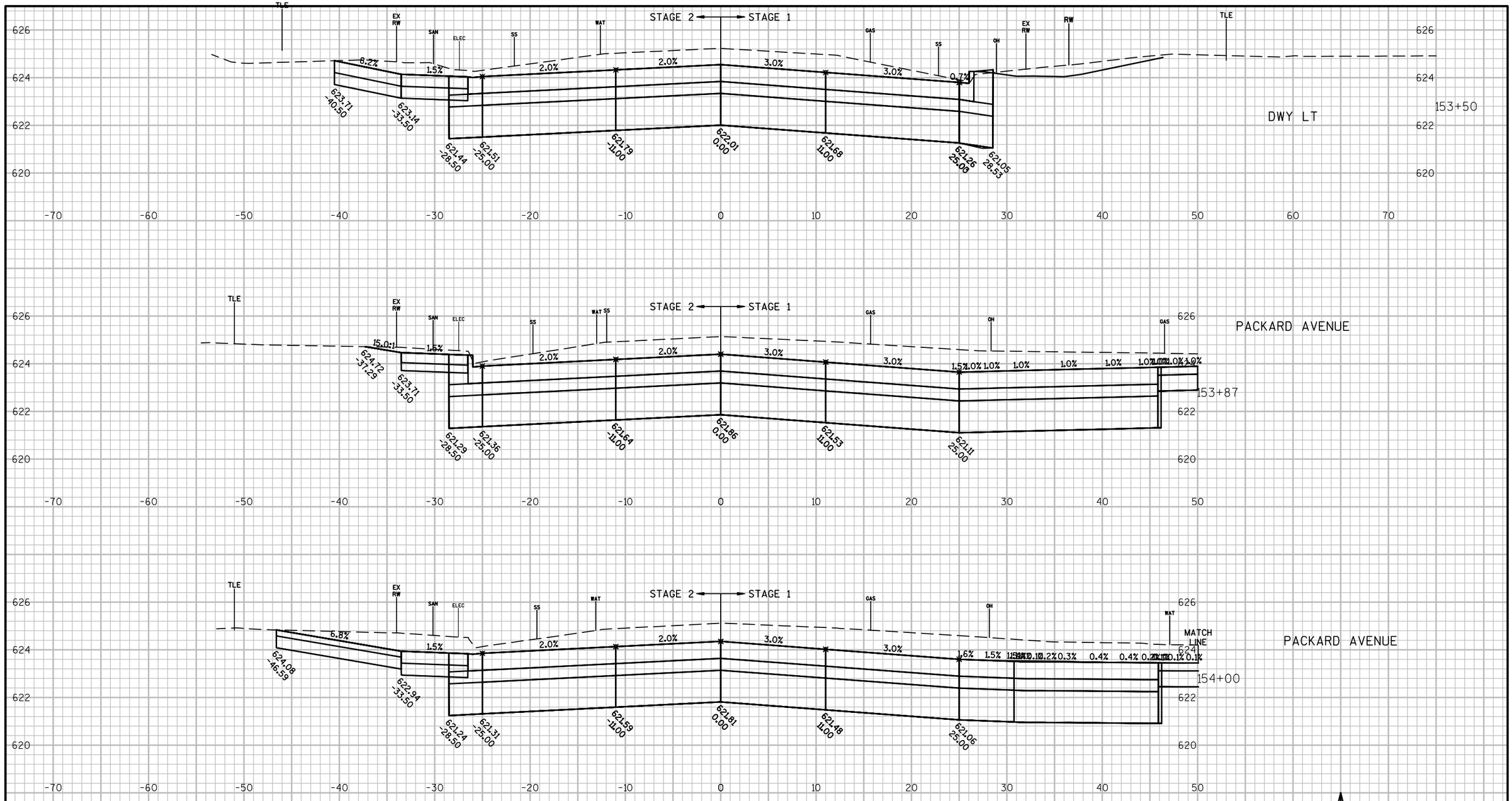
WISDOT/CADDS SHEET 49



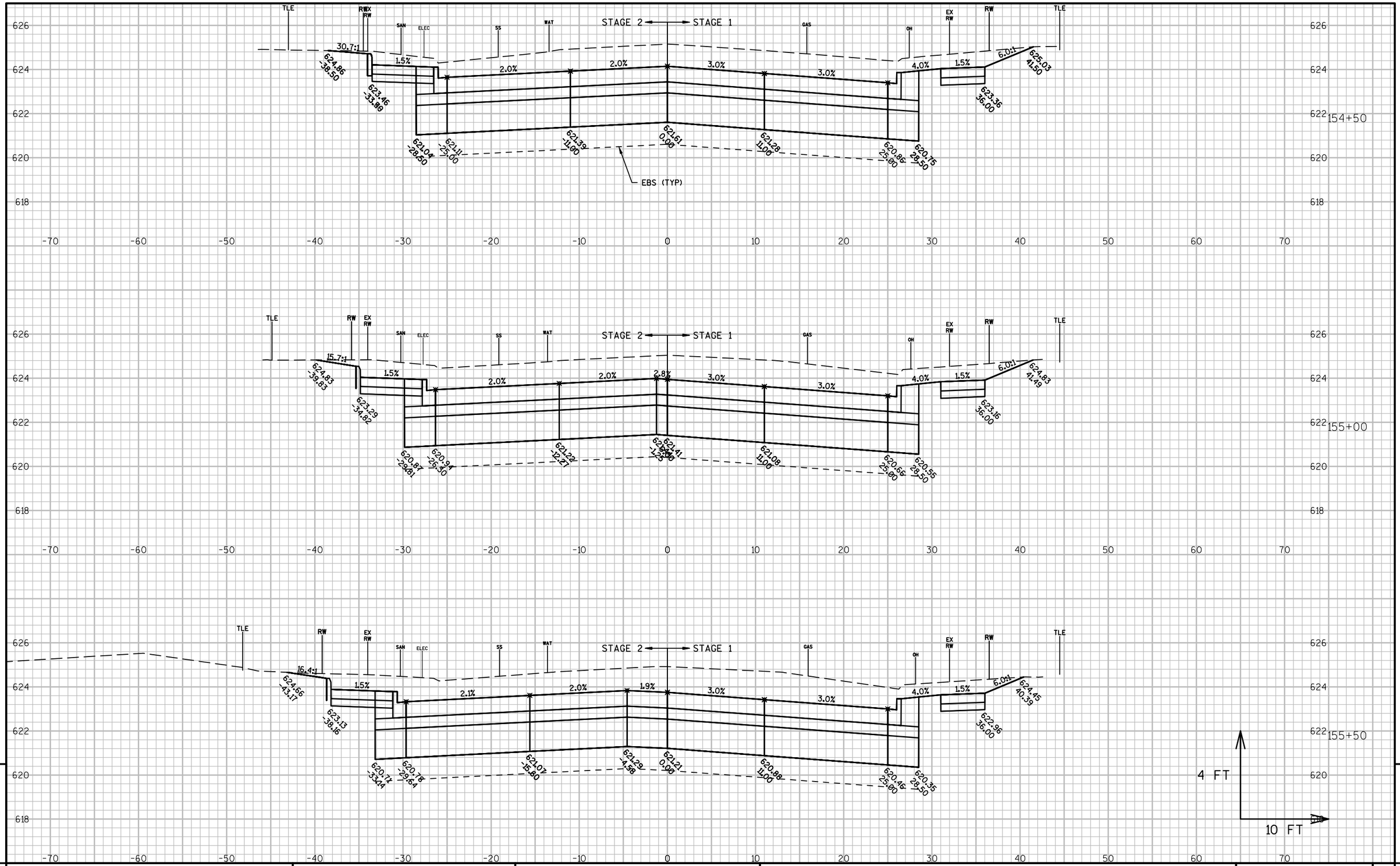
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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 366	E



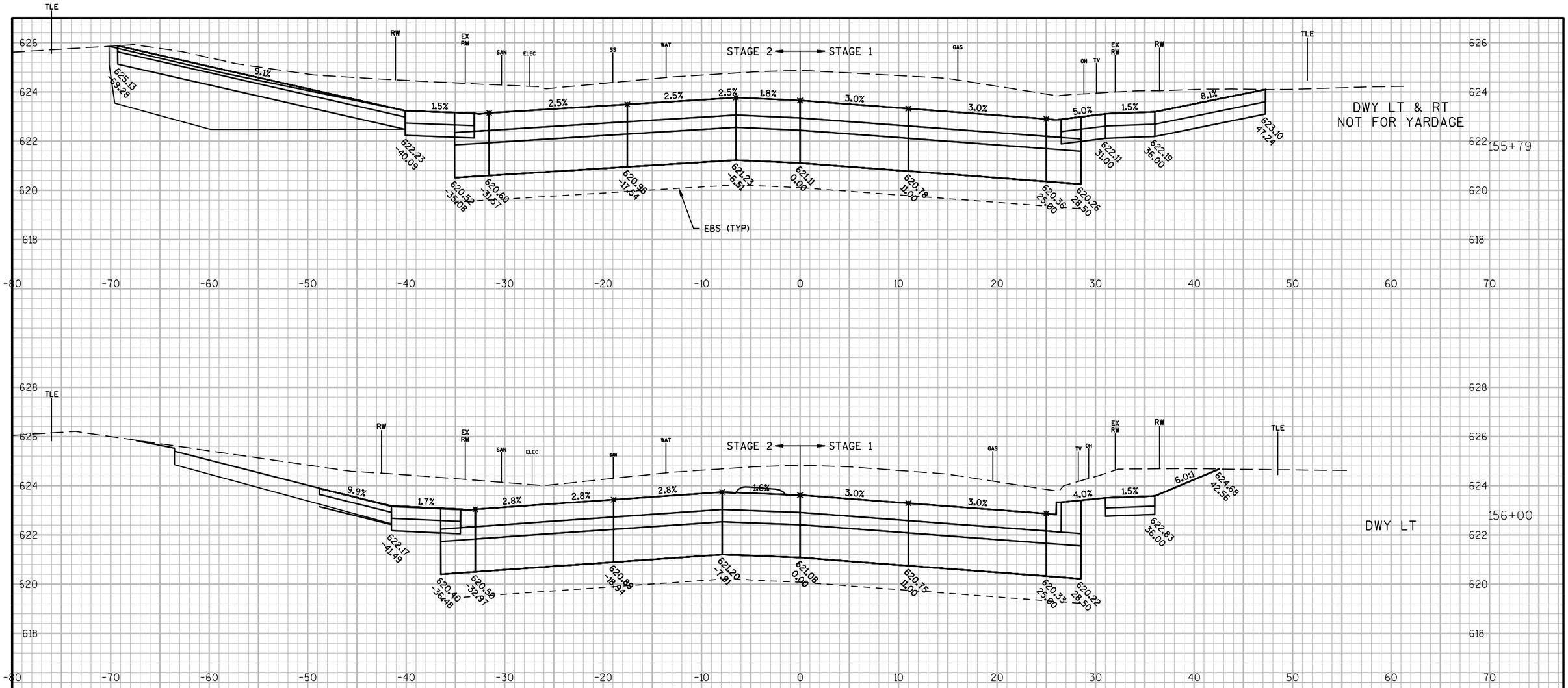
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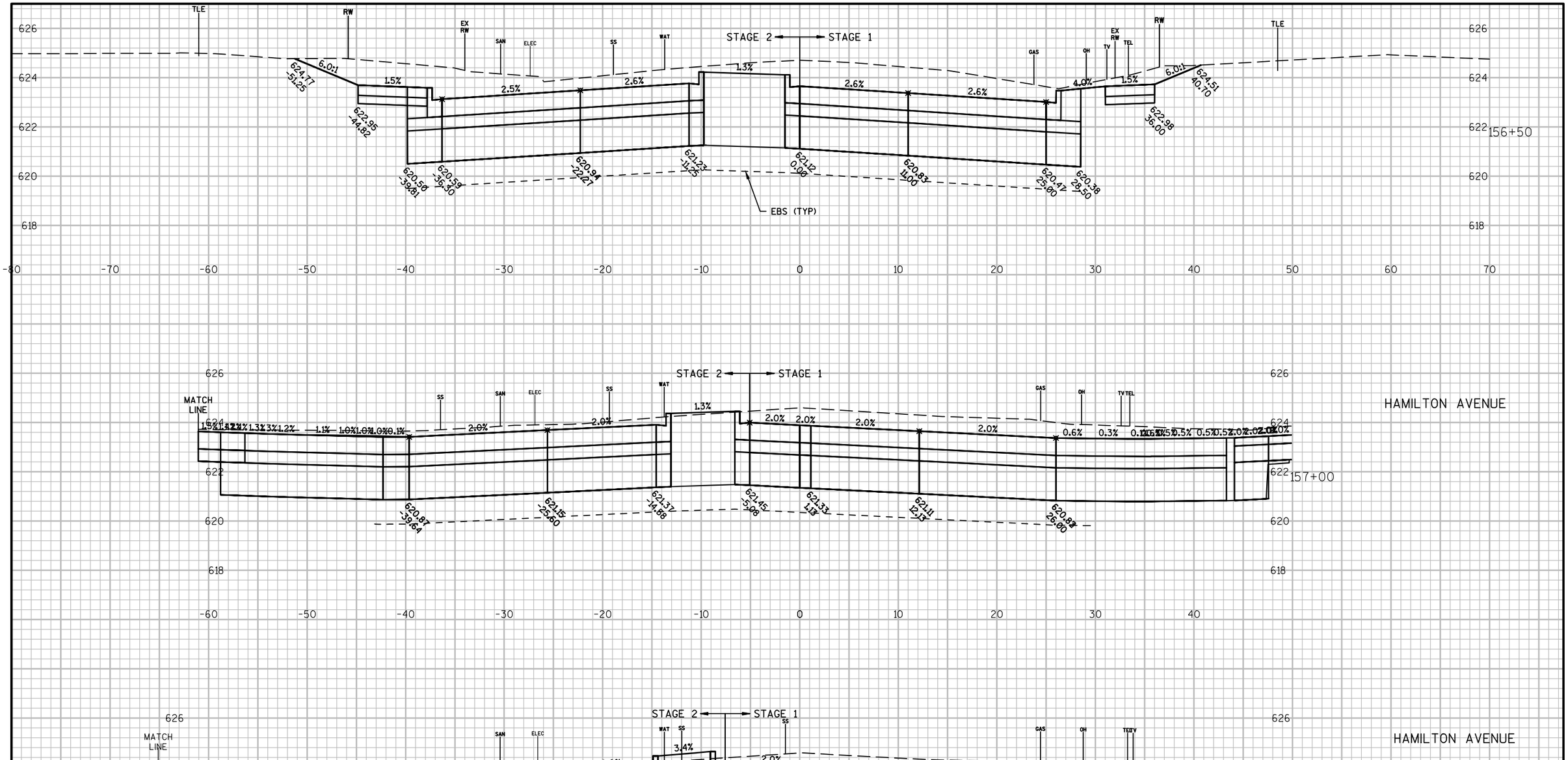
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 368	E

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WISDOT/CADDS SHEET 49



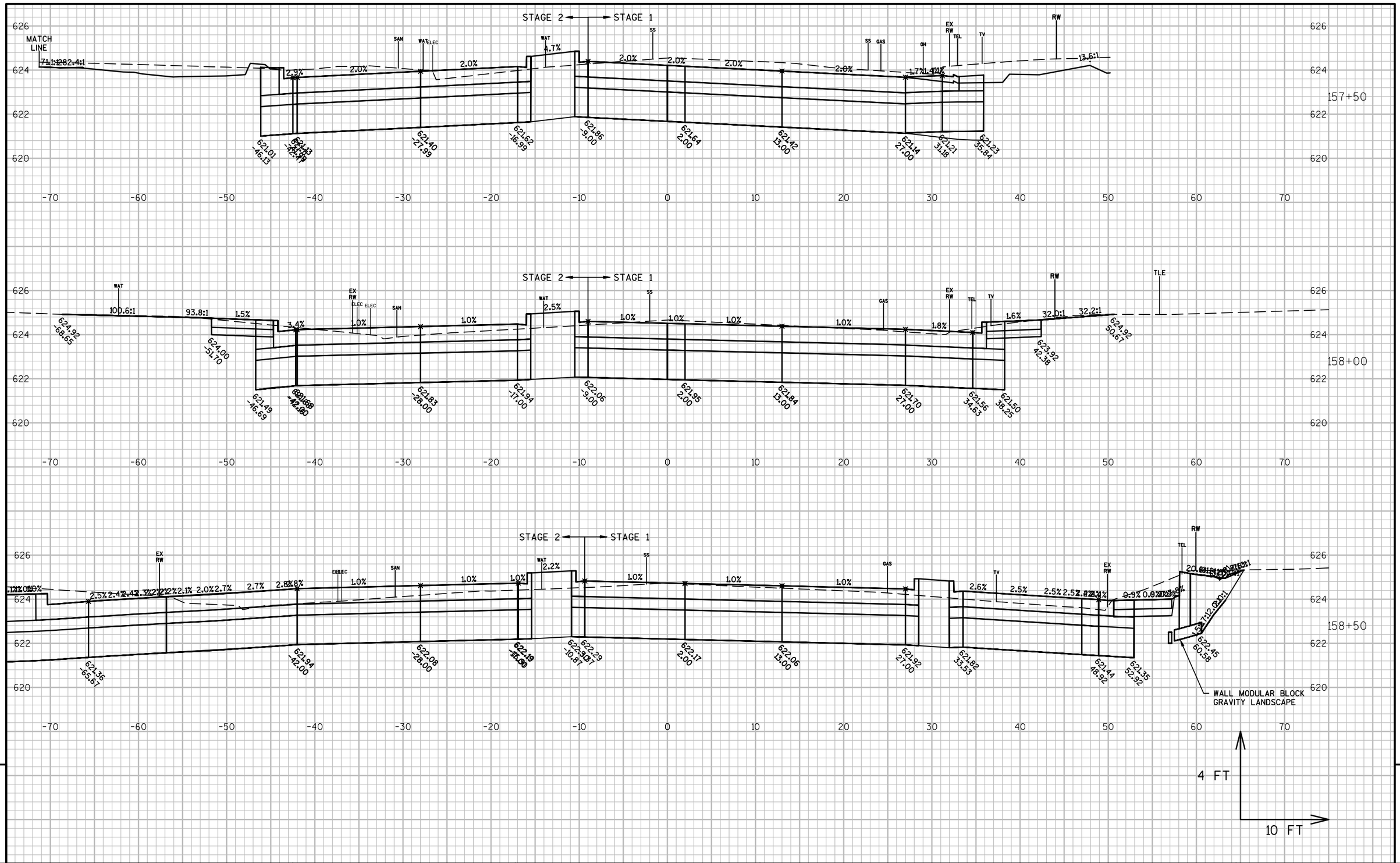
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 369	E



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 370	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:57 PM PLOT BY : AXT, ANDREW PLOT NAME :

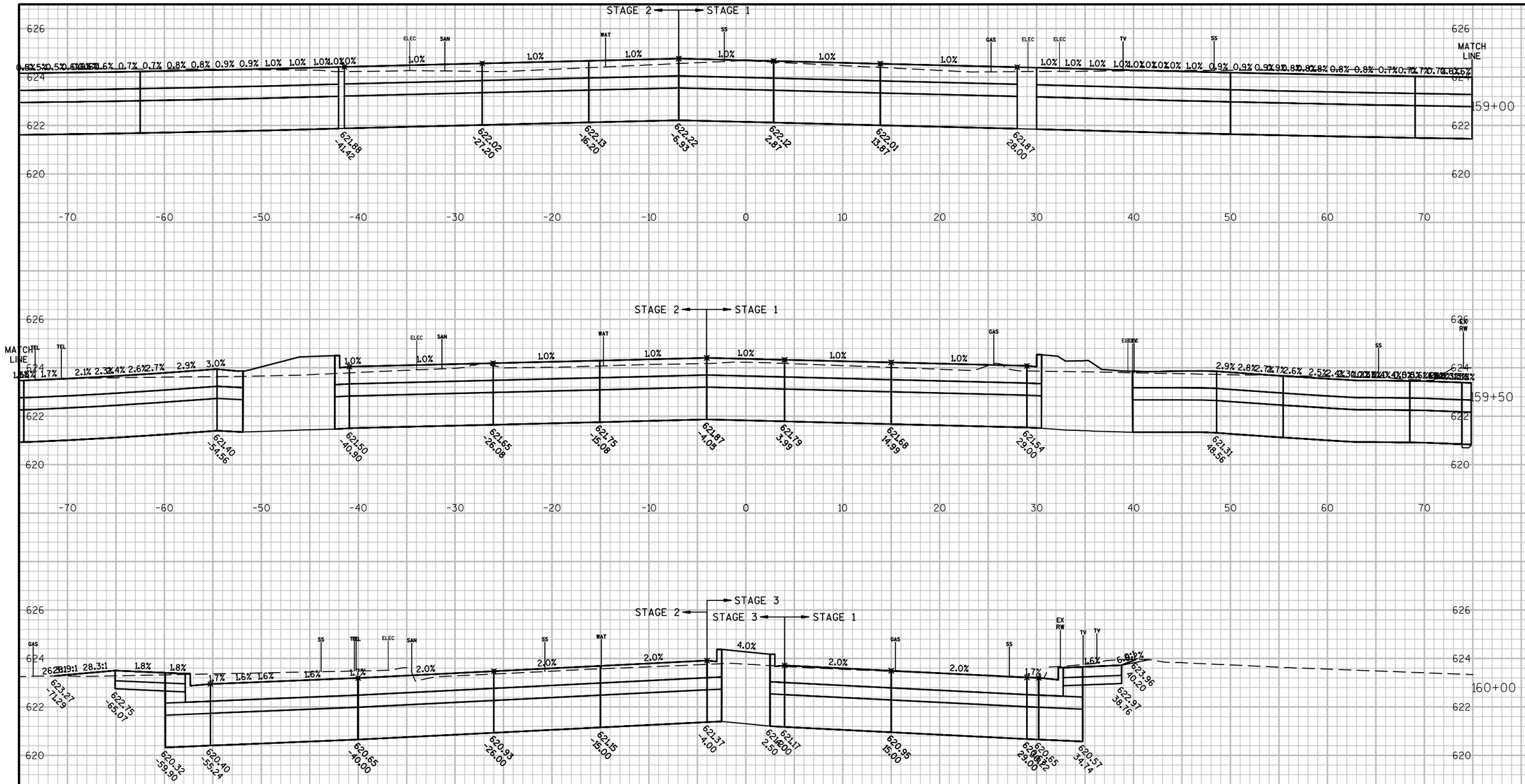
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 371	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:57 PM PLOT BY : AXT, ANDREW PLOT NAME :

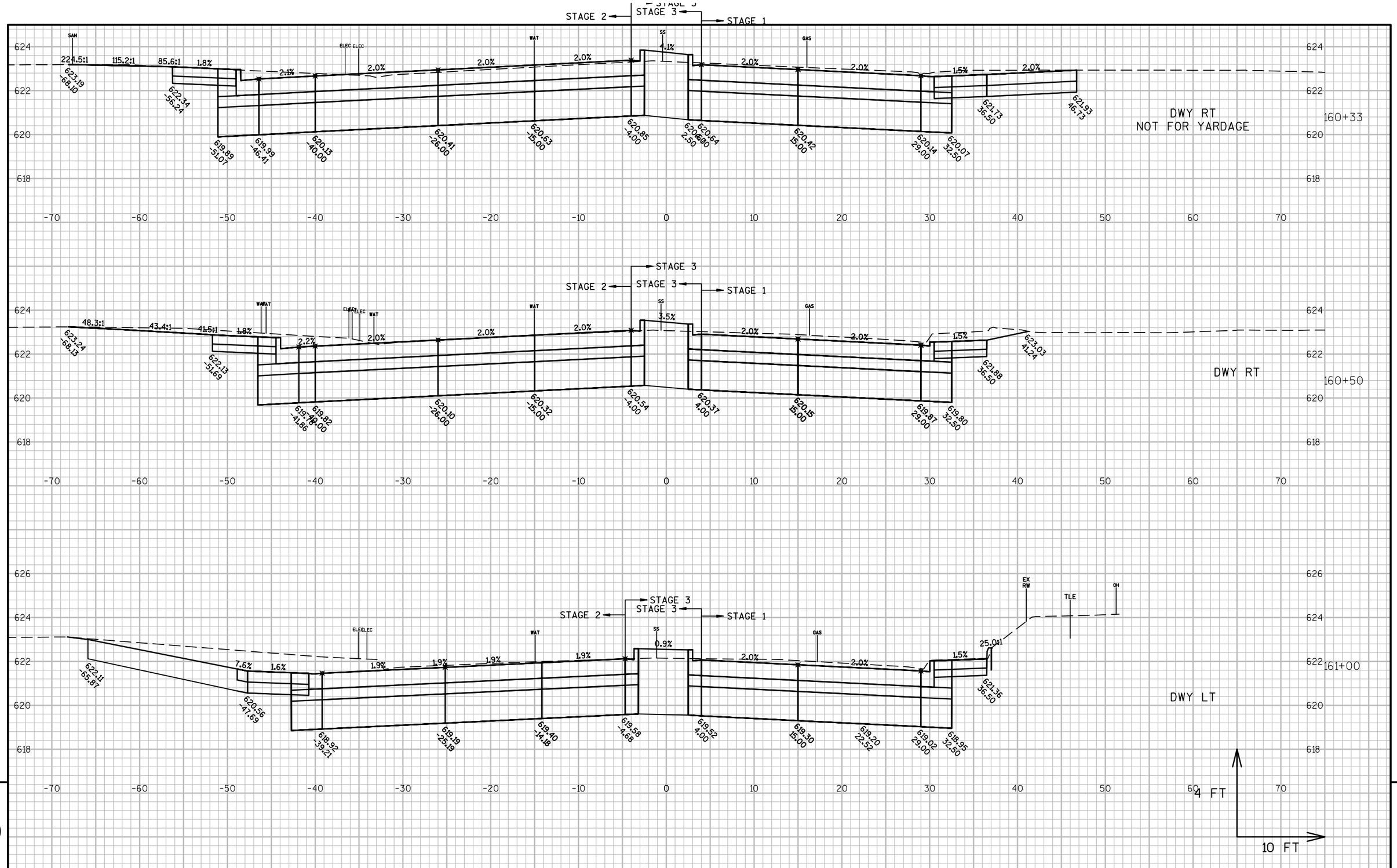
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 372	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:57 PM PLOT BY : AXT, ANDREW PLOT NAME :

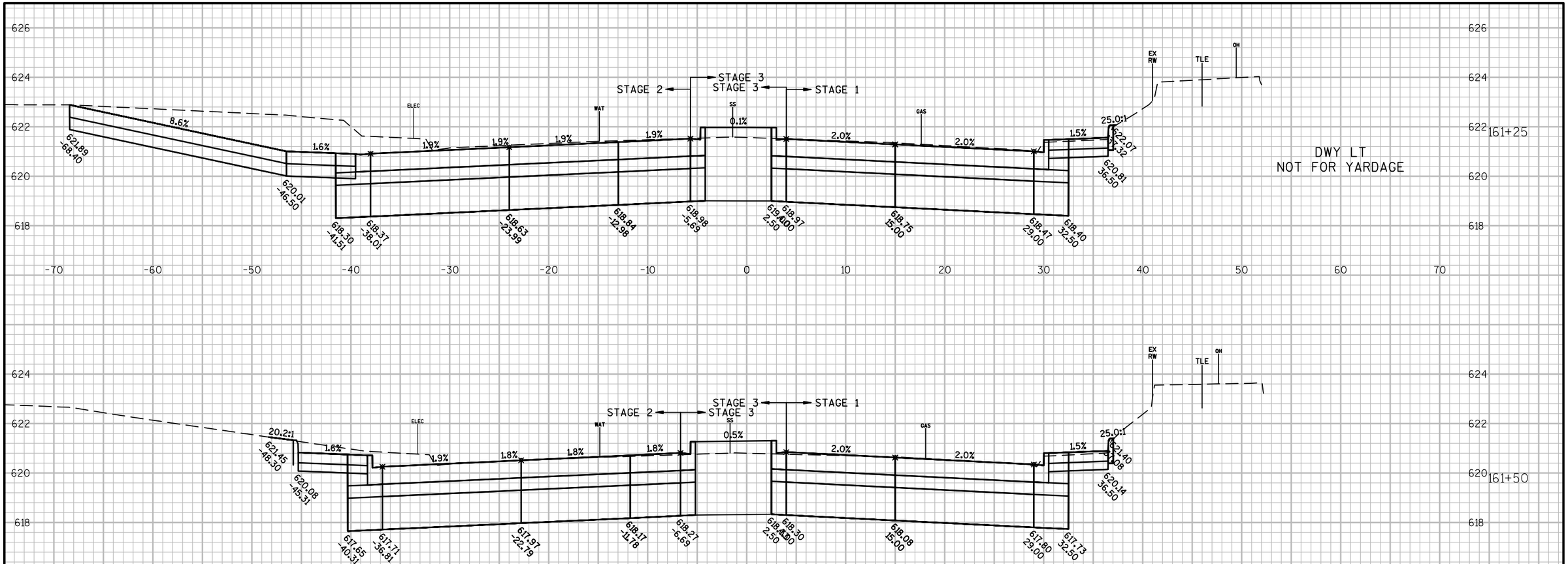
WISDOT/CADDS SHEET 49



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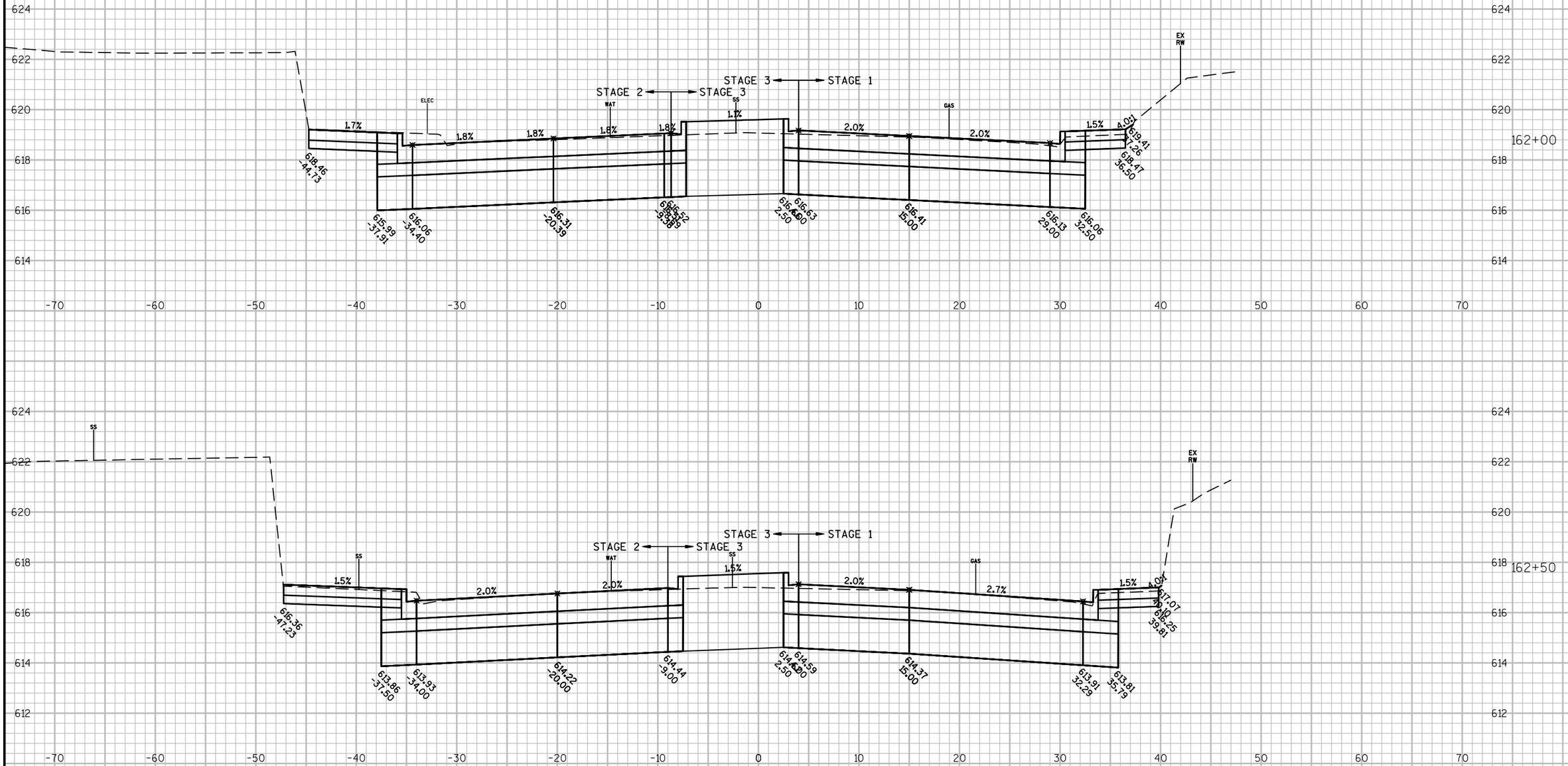
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 373	E



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 374	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090201-XS.DWG PLOT DATE : 4/27/2021 11:57 PM PLOT BY : AXT, ANDREW PLOT NAME :

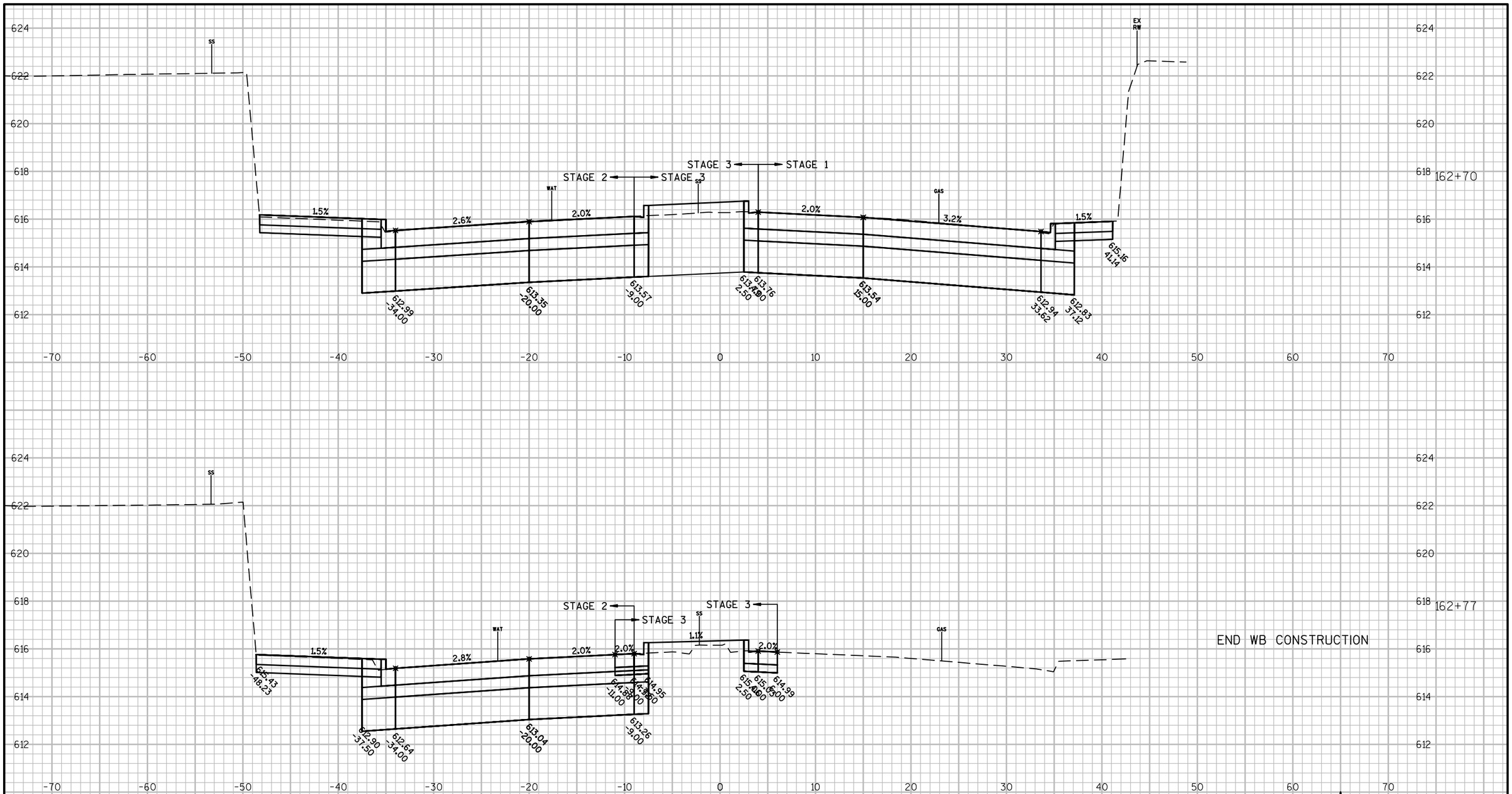
WISDOT/CADDS SHEET 49



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 375	E

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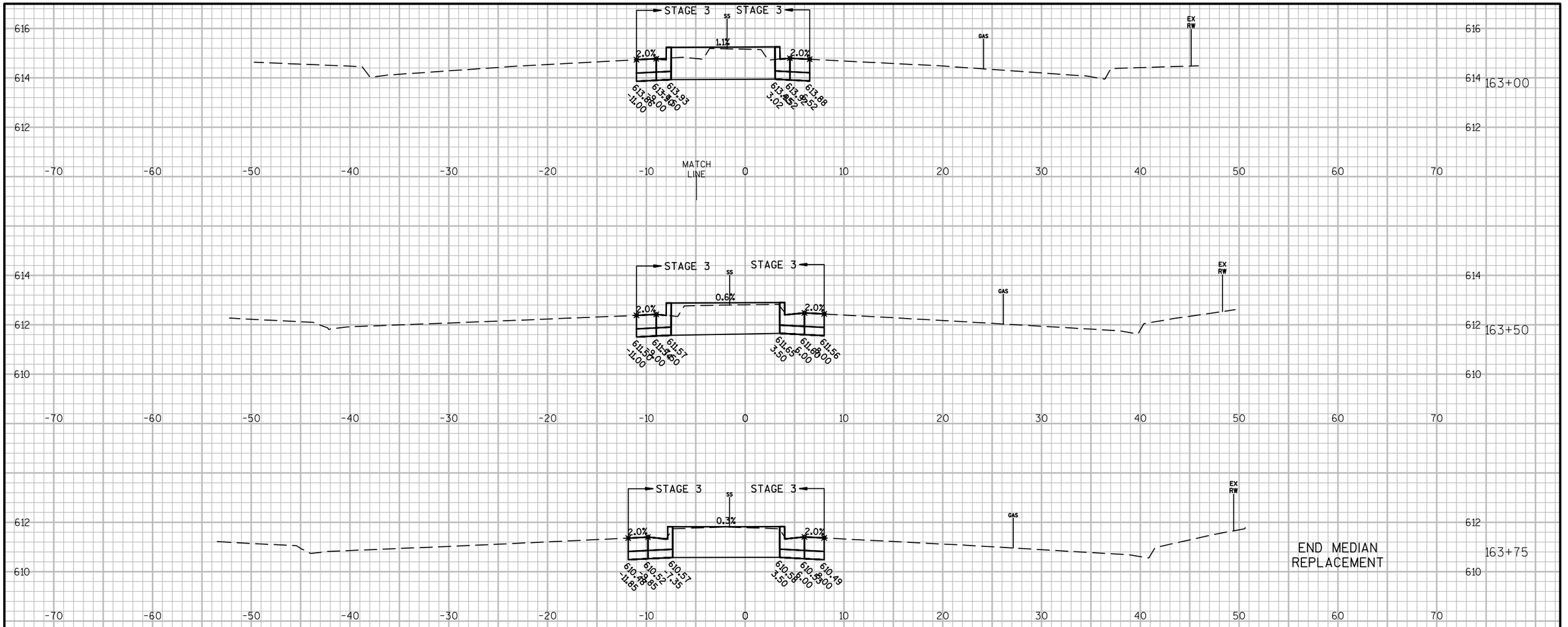
WISDOT/CADDS SHEET 49



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9

PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 376	E



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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: DURAND AVE	SHEET 377	E



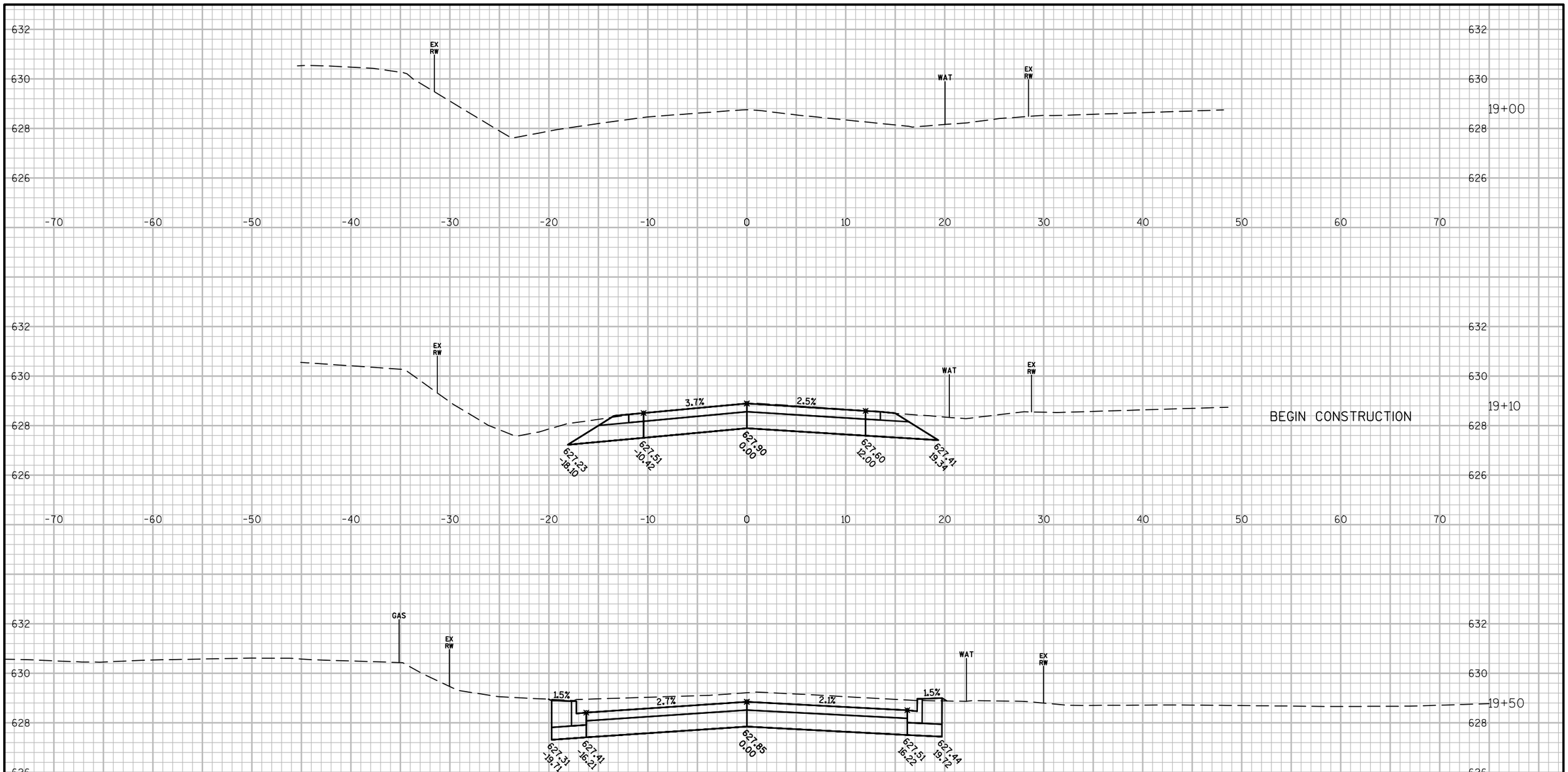
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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: MADISON ST	SHEET 378	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090202-XS.DWG PLOT DATE : 12/15/2020 10:24 AM PLOT BY : AXT, ANDREW PLOT NAME :

WISDOT/CADDS SHEET 49

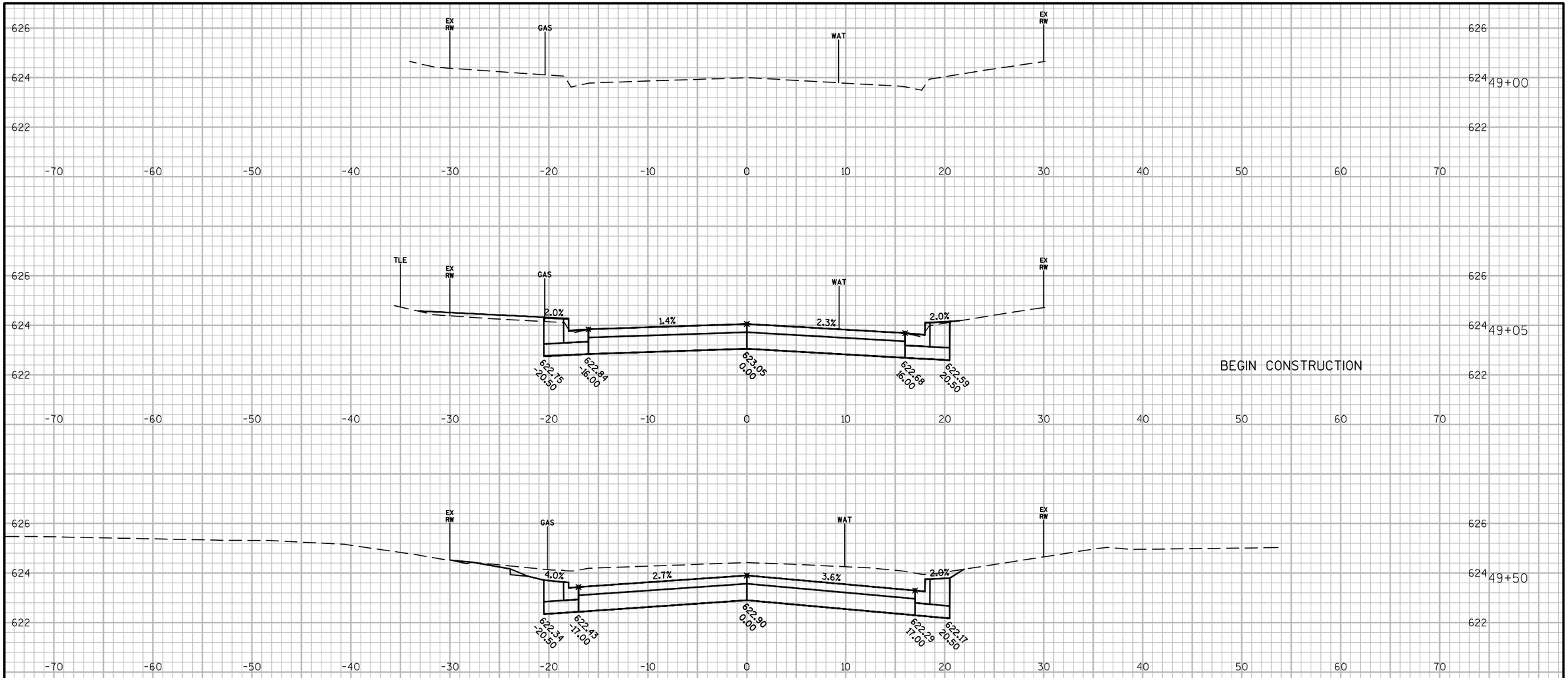
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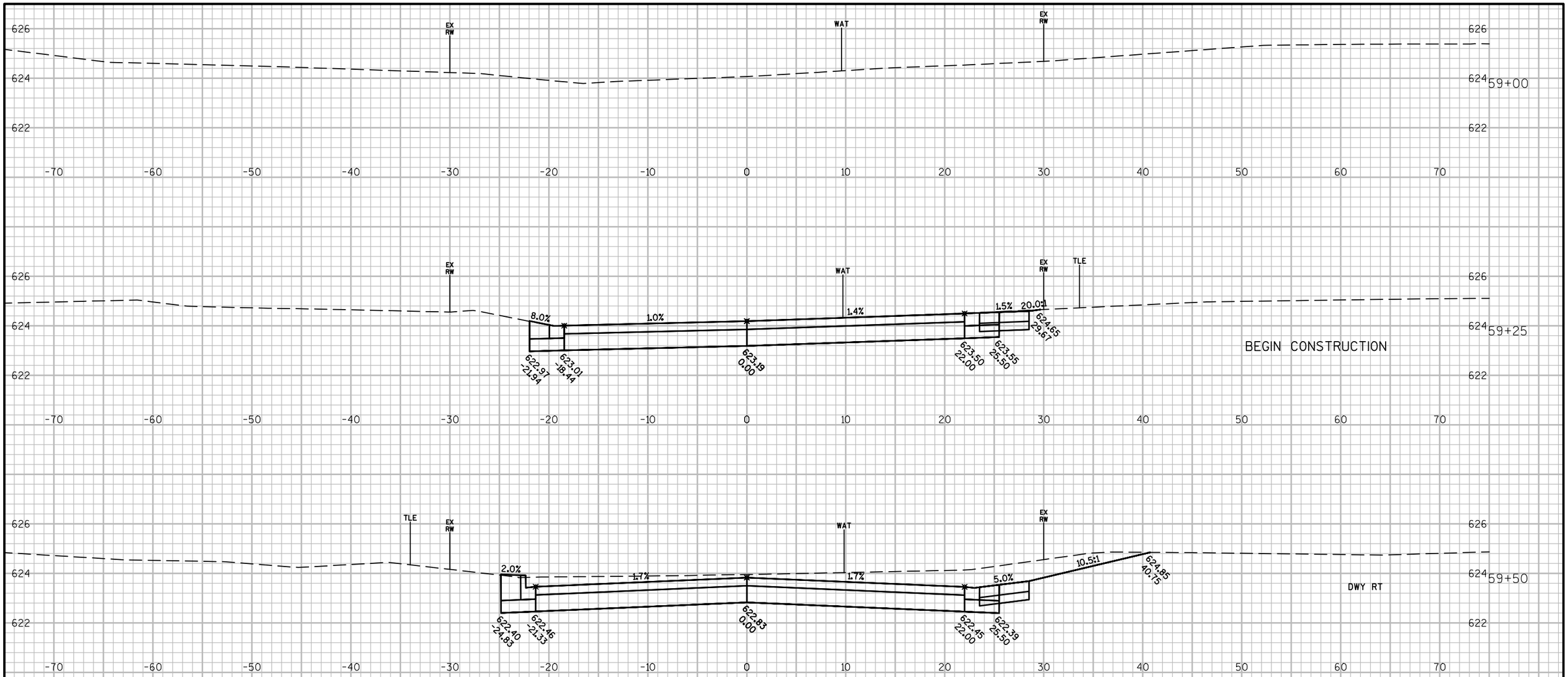
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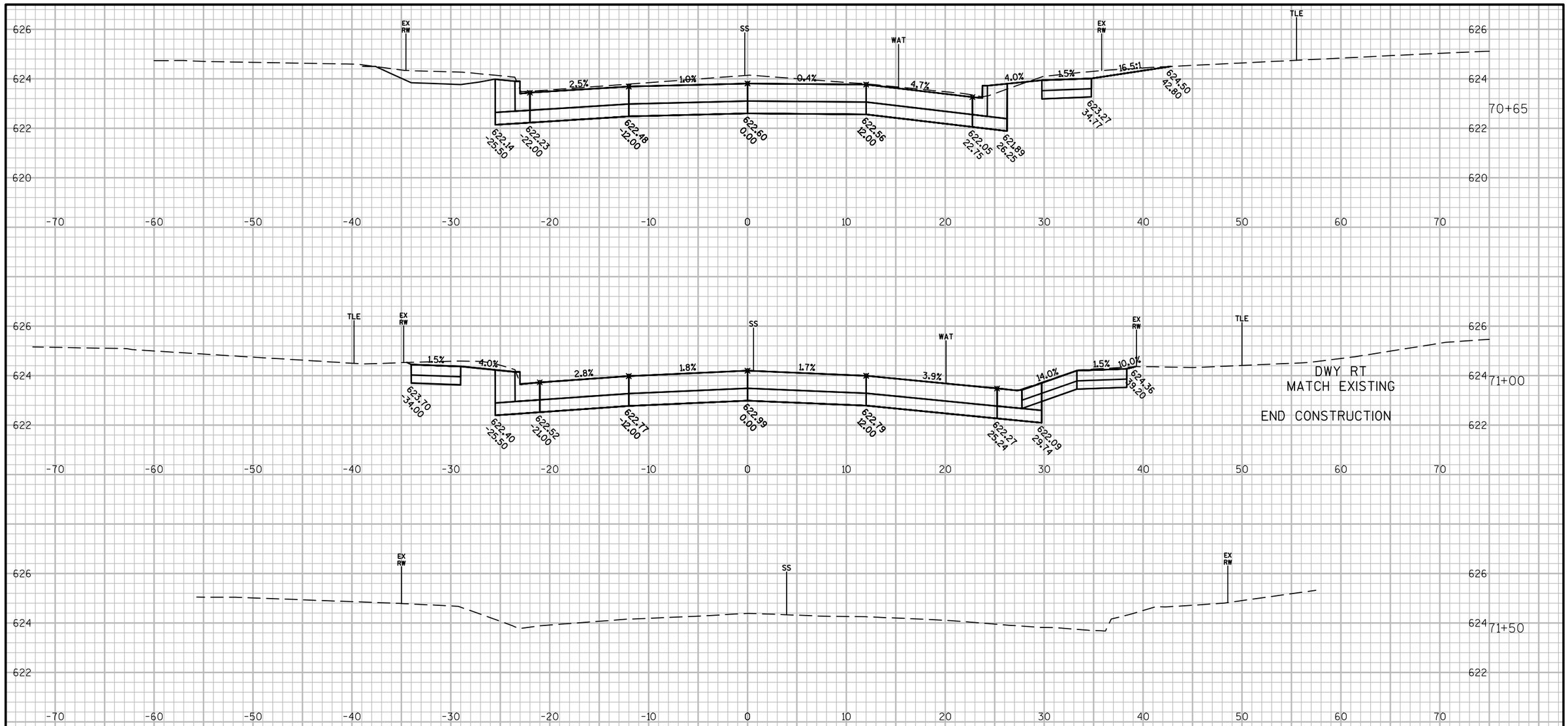
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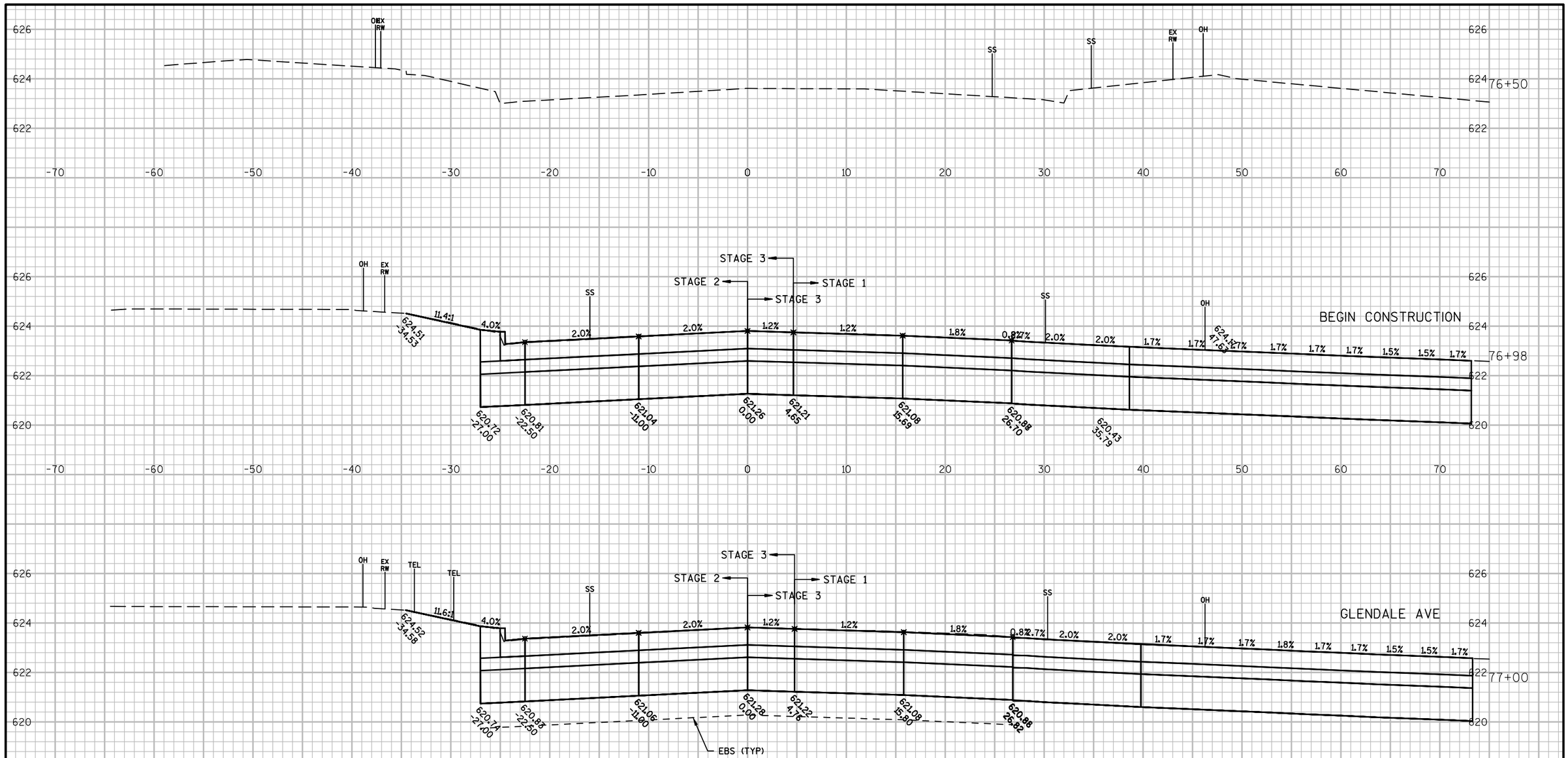
PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: HAMILTON AVE	SHEET 381	E



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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: HAMILTON AVE	SHEET 382	E

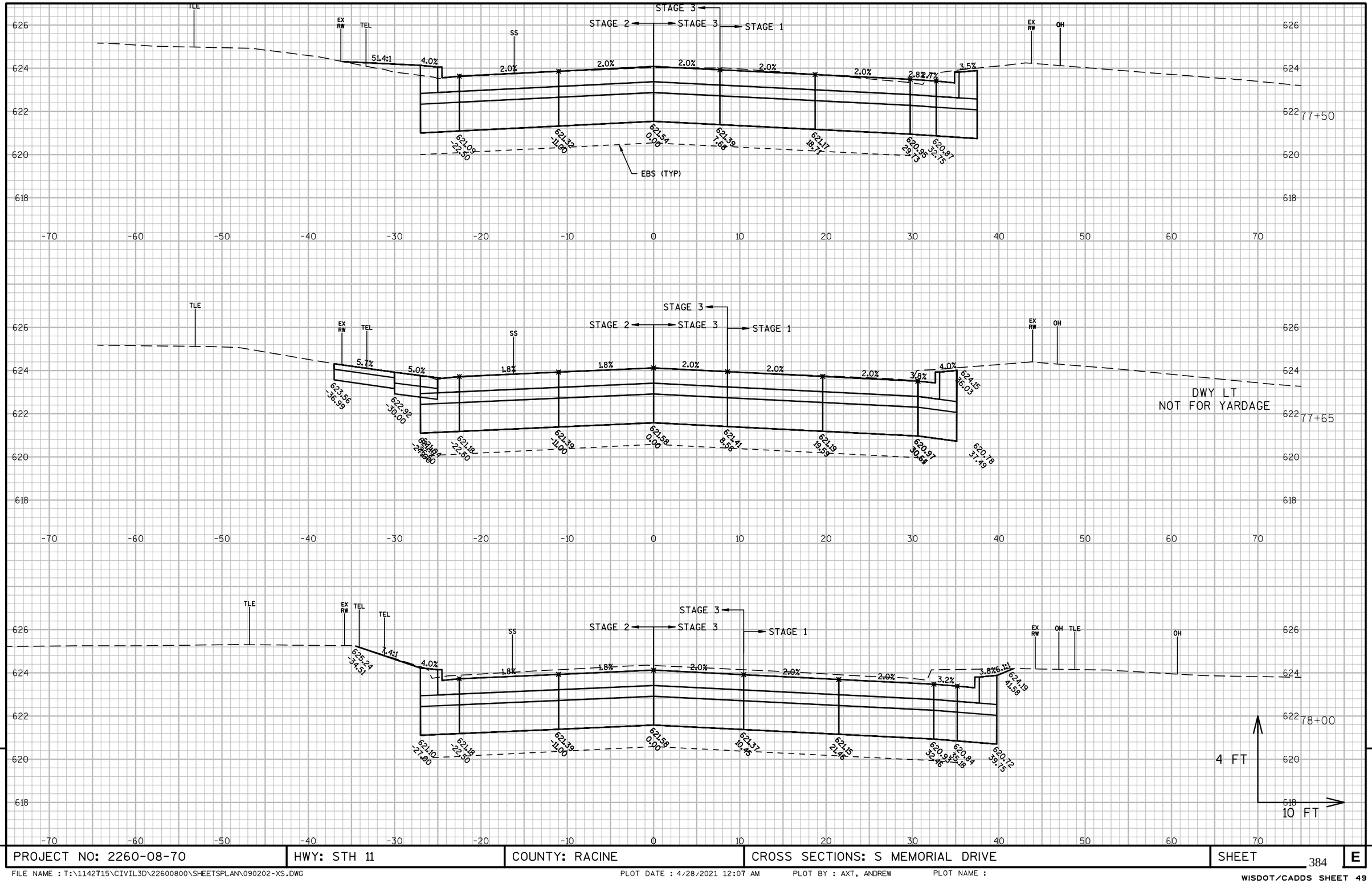


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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: S MEMORIAL DRIVE	SHEET 383	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090202-XS.DWG
LAYOUT NAME - ****
PLOT DATE : 4/28/2021 12:07 AM PLOT BY : AXT, ANDREW PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 49

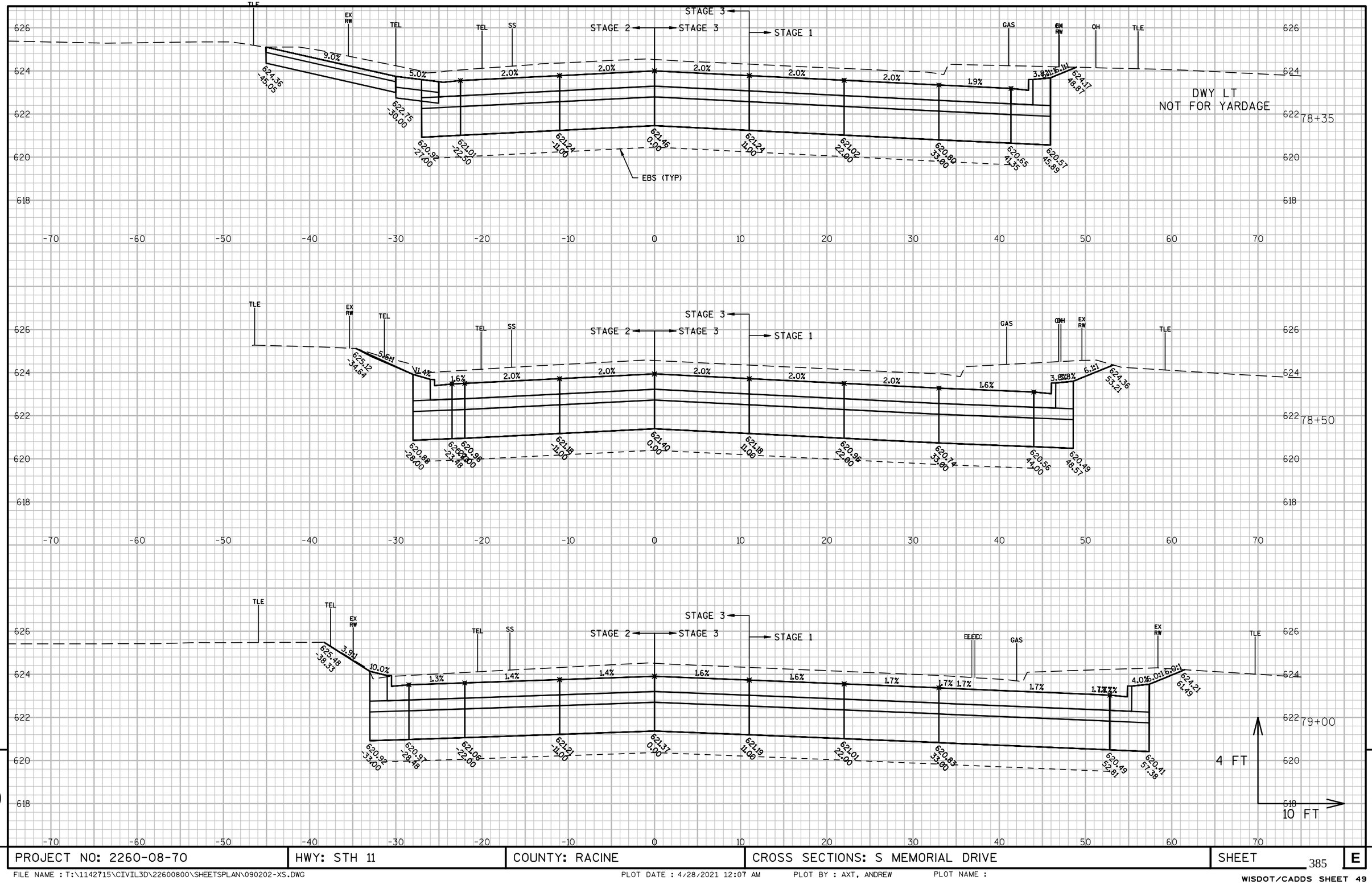


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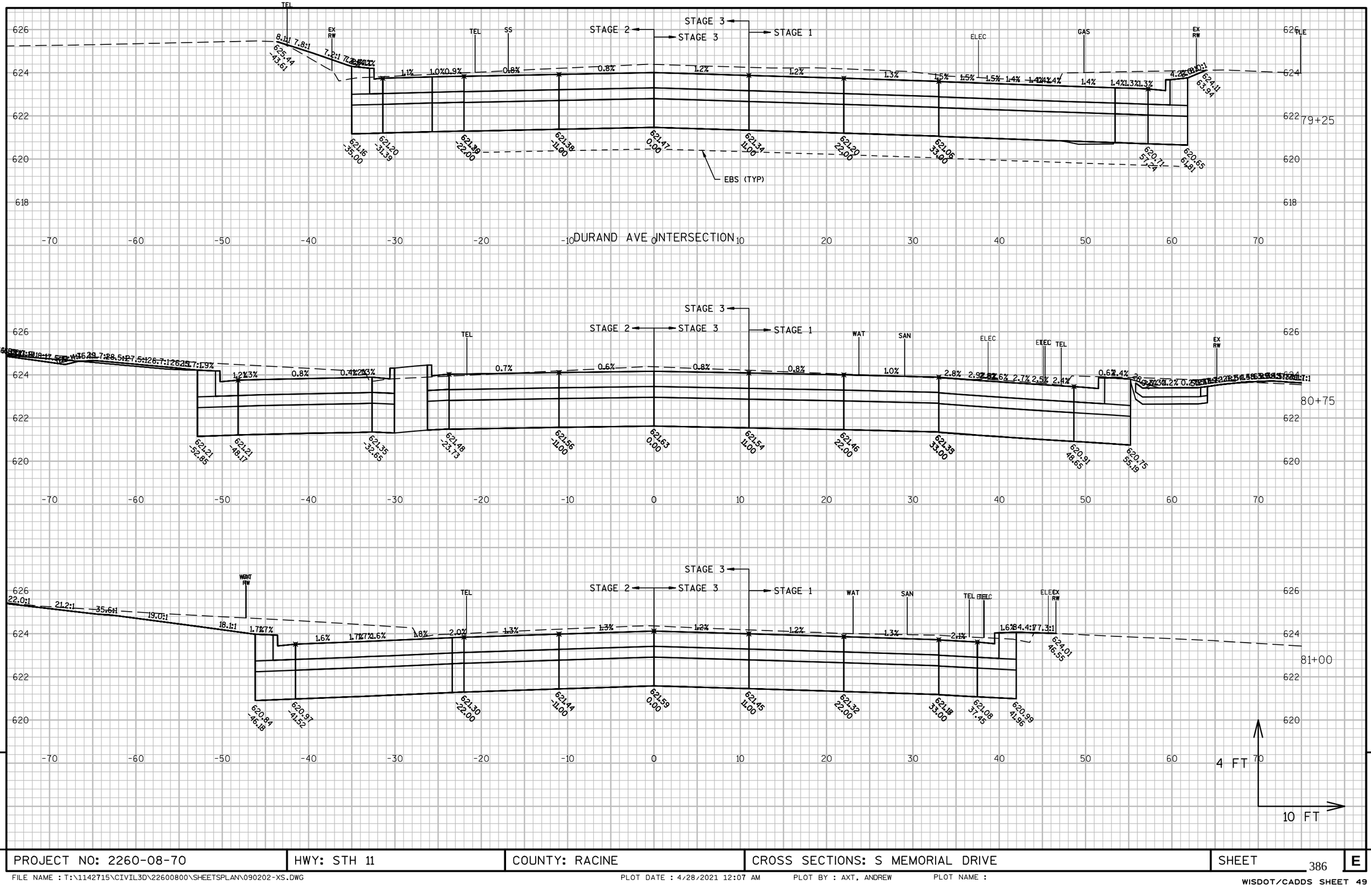
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PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: S MEMORIAL DRIVE	SHEET 384	E

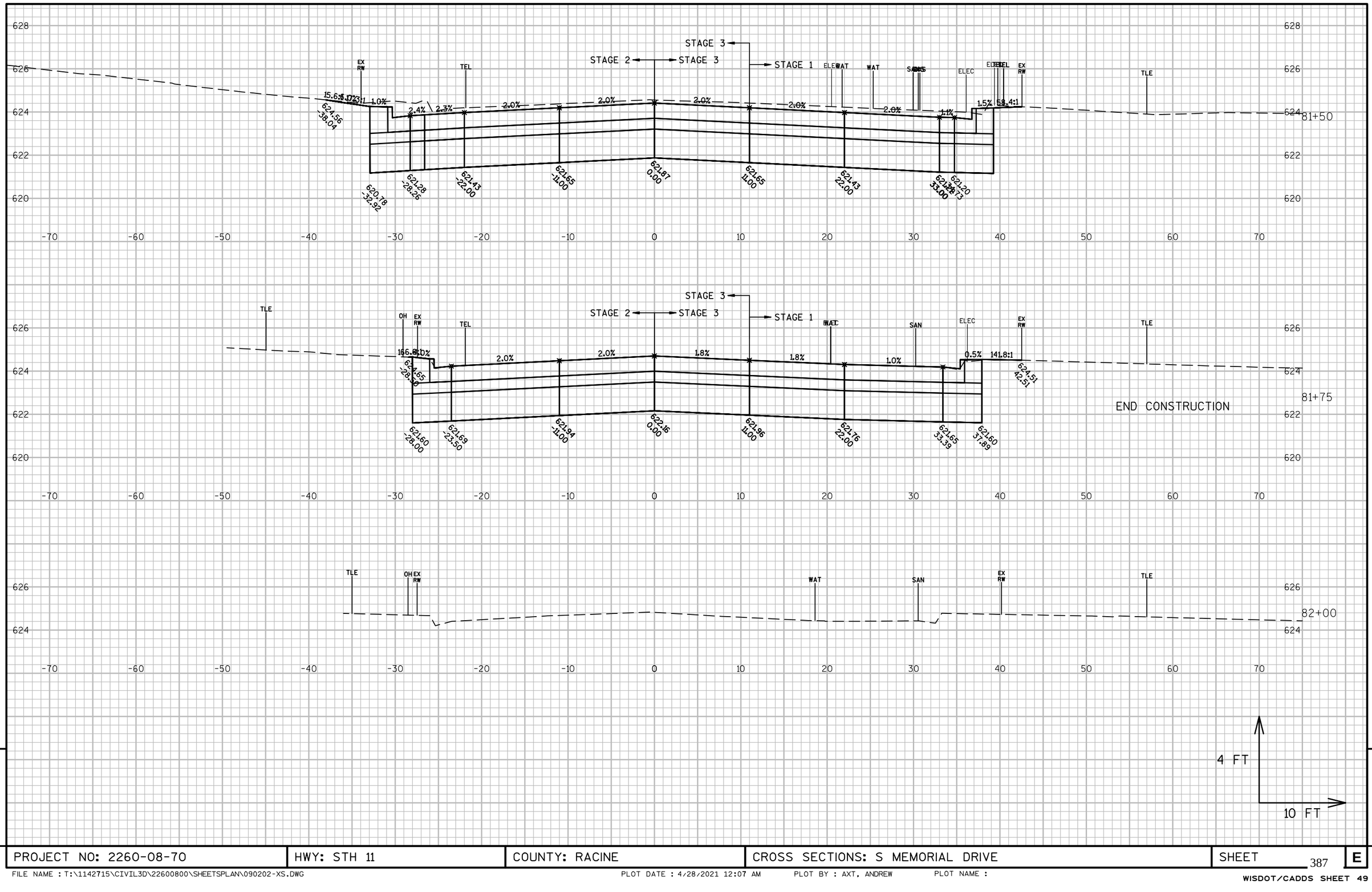
FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090202-XS.DWG PLOT DATE : 4/28/2021 12:07 AM PLOT BY : AXT, ANDREW PLOT NAME :



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: S MEMORIAL DRIVE	SHEET 385	E



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: S MEMORIAL DRIVE	SHEET 386	E



PROJECT NO: 2260-08-70	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: S MEMORIAL DRIVE	SHEET 387	E

FILE NAME : T:\1142715\CIVIL3D\22600800\SHEETSPLAN\090202-XS.DWG PLOT DATE : 4/28/2021 12:07 AM PLOT BY : AXT, ANDREW PLOT NAME :

WISDOT/CADDS SHEET 49

Wisconsin Department of Transportation

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