WKE

MAR 2017

PROJECT ID: 3370-05-70

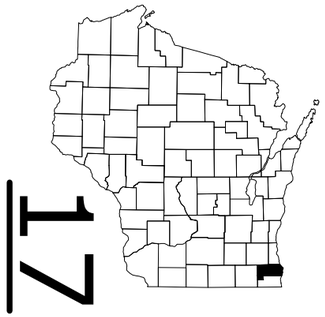
WITH: 3370-05-70

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 = 588



17

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

BUSHNELL ROAD

BURLINGTON CITY LIMIT TO KENOSHA COUNTY LINE

STH 142

RACINE COUNTY

STATE PROJECT NUMBER
3370-05-70

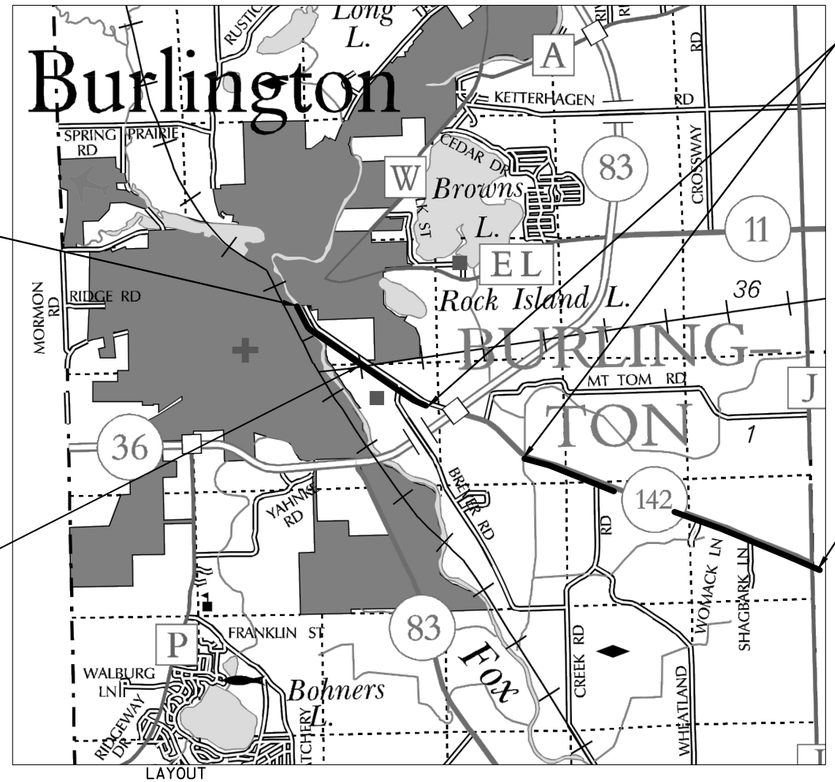
STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3370-05-70	WISC 2017106	1

DESIGN DESIGNATION		SEGMENT 1	SEGMENT 2
A.A.D.T.	2016	= 3,600	= 2,600
A.A.D.T.	2036	= 4,500	= 2,900
D.H.V.		= 734	= 386
D.D.		= 58/42	= 62/38
T.		= 3.7%	= 6.5%
DESIGN SPEED		= 40 MPH (STA 28+98-STA 45+50) = 50 MPH (STA 45+50-STA 132+50)	= 60 MPH (STA 132+50-STA 291+50)
ESALS		= 423,400	= 540,200

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE	300'EB'	ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

R-19-E



BEGIN PROJECT
3370-05-70
STA 39+00
X= 509577.0808
Y= 167630.4420

B-51-18

EXCEPTION TO NET ℄ LENGTH
STA 101+50 TO STA 143+50

END PROJECT
STA 291+50
X= 531329.8393
Y= 155729.8398

TOTAL NET LENGTH OF CENTERLINE = 3.987 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY, NAD 1983 (91),

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 29)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	GARY STARK
Project Manager	T. GENGLER
Regional Examiner	S. CHOJNACKI
Regional Supervisor	B. ERUCHALU

APPROVED FOR THE DEPARTMENT

DATE: November 1, 2016 (Signature)

E

FILE NAME : N:\PDS\C3D\CAD\33700500\010101_TI.DWG
LAYOUT NAME - ****

PLOT DATE : 10/3/2016 3:46 PM

PLOT BY : SCHMIDT, JUDENE M PLOT NAME :

GENERAL NOTES

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

THE LOCATION OF DRIVEWAY MATCH POINTS NOT SHOWN IN THE PLANS WILL BE DETERMINED BY THE ENGINEER.

ALL LAYOUT DATA IS REFERENCED TO THE R/L UNLESS OTHERWISE NOTED.

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

THE CONTRACTOR WILL COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A CALL TO THE UTILITIES THAT HAVE INSTALLATIONS WITHIN THE PROJECT AREA.

EROSION CONTROL DEVICES ARE TO BE PLACED IN SEQUENCE WITH CONSTRUCTION STAGING AND MAINTAINED THROUGH EACH STAGE OR AS DETERMINED BY THE ENGINEER.

EROSION CONTROL FEATURES AS SHOWN ON THE PLAN SHEETS ARE APPROXIMATE LOCATIONS. THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER

RE-TOPSOILING OF ALL DISTURBED AREAS SHALL BE DONE IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. FERTILIZE, SEED AND MULCH OR PLACE EROSION MAT ON ALL TOPSOILED AREAS WITHIN 3 WORKING DAYS AFTER PLACEMENT OF THE TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN 24 HOURS, SEED THOSE AREAS WITH TEMPORARY SEED.

ELEVATIONS SHOWN FOR CURB AND GUTTER ARE FLANGE ELEVATION. DISTANCES SHOWN FOR CURB AND GUTTER RADAII ARE MEASURED TO THE FLANGE

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO (NGVD)29

CORRDINATES ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 WITH 1991 ADJUSTMENT (NAD83(91))

HMA PAVING LAYER DEPTHS

STH 142 - RESURFACING LIMITS: (TOTAL) 4 -INCHES
UPPER:1 3/4 INCHES OF HMA PAVEMENT 4LT 58-28 S
LOWER: 2 1/4 INCHES OF HMA PAVEMENT 3LT 58-28 S

STH 142 - RECONSTRUCTION LIMITS: (TOTAL) 4 3/4 -INCHES
UPPER:1 3/4 INCHES OF HMA PAVEMENT 4LT 58-28 S
LOWER: 3 INCHES OF HMA PAVEMENT 3LT 58-25 S

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES

PROJECT OVERVIEW

TYPICAL SECTIONS

CONSTRUCTION DETAILS

PLAN DETAILS

EROSION CONTROL

STORM SEWER

PERMANENT SIGNING

PAVEMENT MARKING

TRAFFIC CONTROL

ALIGNMENT

2

UTILITY CONTACTS

AT&T WISCONSIN
CHRIS DUNCAN
2005 PEWAUKEE ROAD
WAUKESHA, WI 53188
(262)896-7678
CD8946@ATT.COM

ANR PIPELINE CO.
LARRY HUBER
W3925 PIPELINE LANE
EDEN, WI 53019
(920) 477-2235 EXT. 13
LAWRENCE_HUBER@TRANSCANADA.COM

ATC MANAGEMENT, INC.
MIKE OLSEN
801 O'KEEFE ROAD
PO BOX 6113
DEPERE, WI 54115 6113
(920) 338-6582
MOLSEN@ATCLLC.COM

BURLINGTON DPW, CITY OF
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2200 S PINE STREET
BURLINGTON, WI 53105
(262) 539-3770
JUDYG@BURLINGTON-WI.GOV

BROWNS LAKE SANITARY DISTRICT
TIM LYNCH, P.E.
5482 S. WESTRIDGE DRIVE
NEW BERLIN, WI 53151
(262)206-5168
TLYNCH@LYNCH-ENGINEERING.COM

MIDWEST FIBER NETWORKS
RICHARD TRGOVEC
6070 NORTH FLINT ROAD
GLENDALE, WI 53209
(414) 672-5612
RTRGOVEC@MIDWESTFIBERNETWORKS.COM

TDS METROCOM
MATT SCHULTE
16924 WEST VICTOR ROAD
NEW BERLIN, WI 53151
(262) 754-3063
MATT.SCHULTE@TDSTELECOM.COM

TIME WARNER CABLE
TW CABLE ENGINEERING
1320 N. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
(414) 277-4045
WIS.ENGINEERING@TWCABLE.COM

WE ENERGIES (ELECTRIC & GAS))
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333 W. EVERETT ST - A279
MILWAUKEE, WI 53203
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LATROY.BRUMFIELD@WE-ENERGIES.COM

WE ENERGIES GAS FIELD CONTACT
SCOTT BOHN
500 SOUTH 116ST
WEST ALLIS, WI 53214
(414)587-3983
SCOTT.BOHN@WE-ENERGIES.COM

WE ENERGIES ELECTRIC FIELD CONTACT
ED HERDA
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WEST ALLIS, WI 53214
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ED.HERDA@WE-ENERGIES.COM

AGENCY CONTACTS

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BURLINGTON, WI 53105
(262) 763-7842
PHOWARD@BURLINGTON.WI.GOV

CITY OF BURLINGTON POLICE CHIEF
PETER NIMMER
224 E. JEFFERSON ST.
BURLINGTON, WI 53105
(262) 342-1100

CITY OF BURLINGTON STREET DEPARTMENT
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BURLINGTON, WI 53105
(262) 539-3770
CWORKMAN@BURLINGTON.WI.GOV

TOWN OF BURLINGTON FIRE DEPARTMENT
ED UMNUS
32288 BUSHNELL RD.
BURLINGTON, WI 53105
(2623) 763-3070 EXT 4

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32288 BUSHNELL RD.
BURLINGTON, WI 53105
(262) 763-9558
CHIEFSEVICK@TOWNOFBURLINGTON.COM

TOWN OF BURLINGTON HIGHWAY DEPARTMENT
SCOTT GOLDSCHMIDT
32288 BUSHNELL RD.
BURLINGTON, WI 53105
(2623) 763-3070 EXT 3

RACINE COUNTY SURVEYOR
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1458 HORIZON BLVD, SUITE 200
RACINE, WI 53406
(262) 634-5588
MMADSEN@NMBSC.NET

RACINE COUNTY SHERIFF
CHISTOPHER SCHMALING
717 WISCONSIN AVENUE
RACINE, WI 53403
(262) 636-3822
RCSHERIFF@GORACINE.ORG

RACINE COUNTY DIRECTOR OF PUBLIC WORKS
JULIE ANDERSON
14200 WASHINTON AVE
STURTEVANT, WI 53177
(262) 886-8470
JULIE.ANDERSON@GORACINE.ORG

KENOSHA COUNTY SHERIFF
DAVID BETH
1000-55TH ST.
KENOSHA, WI 53140
(262) 605-5101

KENOSHA COUNTY DIRECTOR OF PUBLIC WORKS
RAY ARBET
19600 75TH ST.
BRISTOL, WI 53104-9772
(262) 857-1870

HIGHWAY MAINTENANCE
GAIL LANTZ
141 NW BARSTOW STREET
PO BOX 798
WAUKESHA, WI 53187-0798
(262)548-6737
GAIL.LANTZ@DOT.WI.GOV

WI DNR LIASON
CRAIG WEBSTER
141 NW BARSTOW STREET
PO BOX 798
WAUKESHA, WI 53188
(414)303-3011
CRAIG.WEBSTER@DOT.WI.GOV

WISDOT PROJECT MANAGER
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141 NW BARSTOW STREET
PO BOX 798
WAUKESHA, WI 53187-0798
(262)548-8727
TRACI.GENGLER@DOT.WI.GOV

WISDOT DESIGN LEADER
GARY STARK
141 NW BARSTOW STREET
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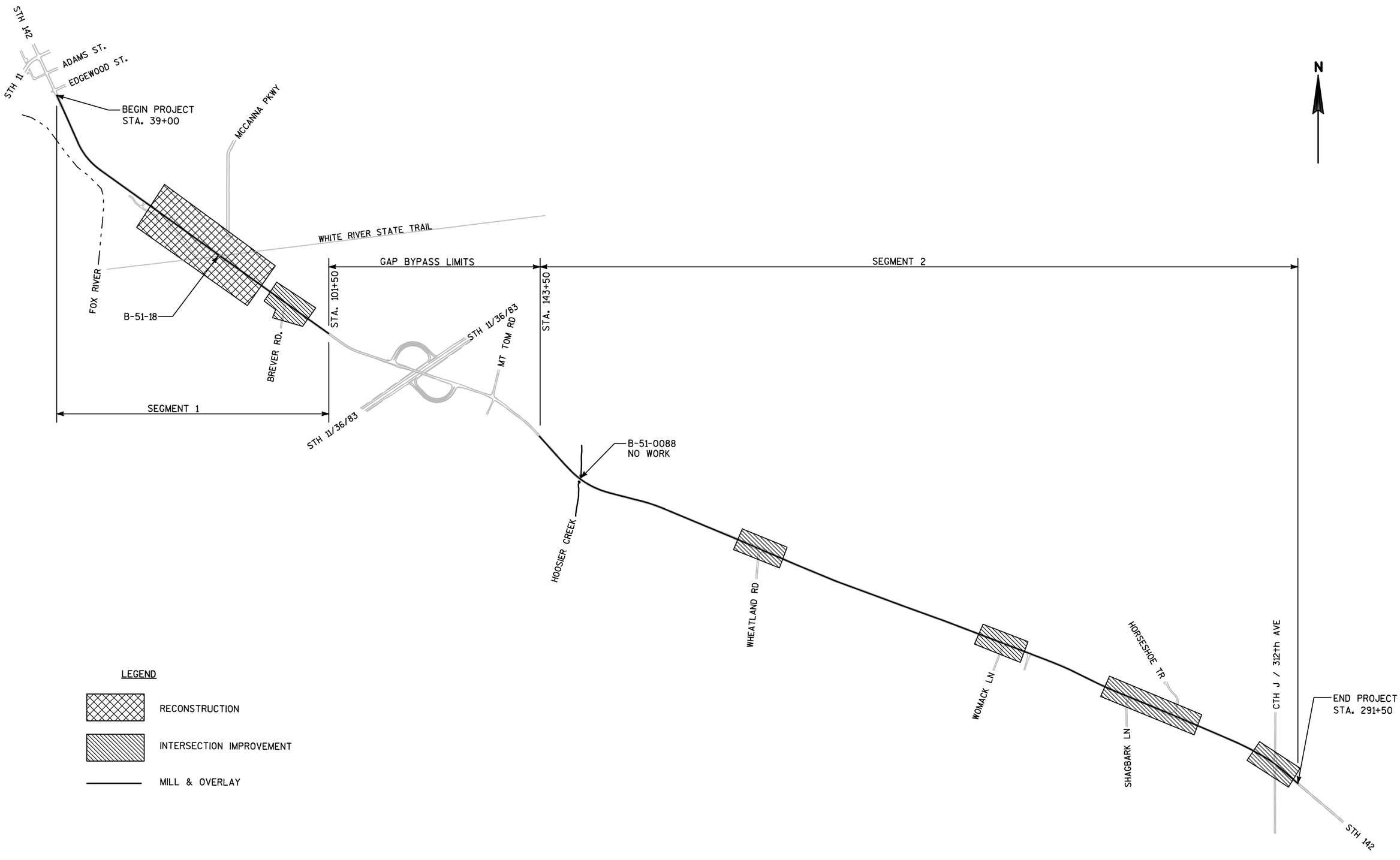
GARY.STARK@DOT.WI.GOV

DIGGERS HOTLINE

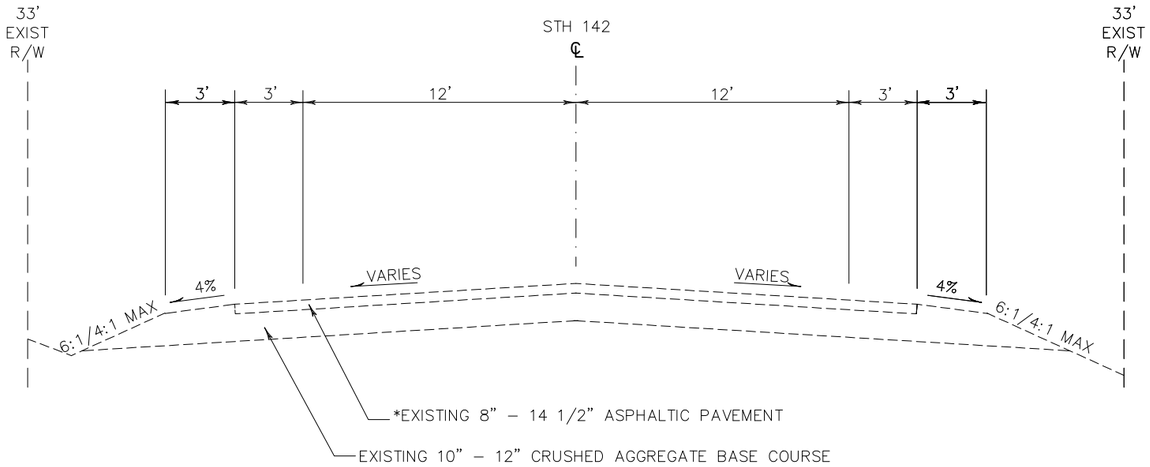
Call 811 or Toll Free (800) 242-8511
www.DiggersHotline.com

2

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 4	E

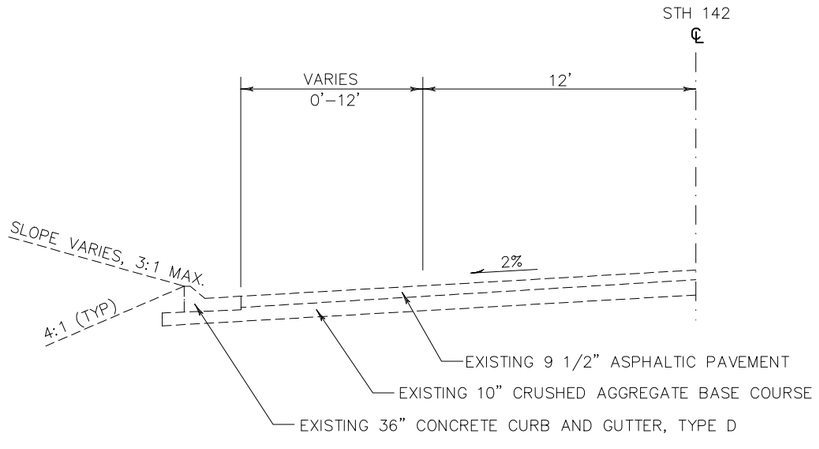


EXISTING TYPICAL SECTION

STH 142

STA. 39+00 – STA. 286+26

*14 1/2" PAVEMENT DEPTH STA. 190+50 TO STA. 286+26

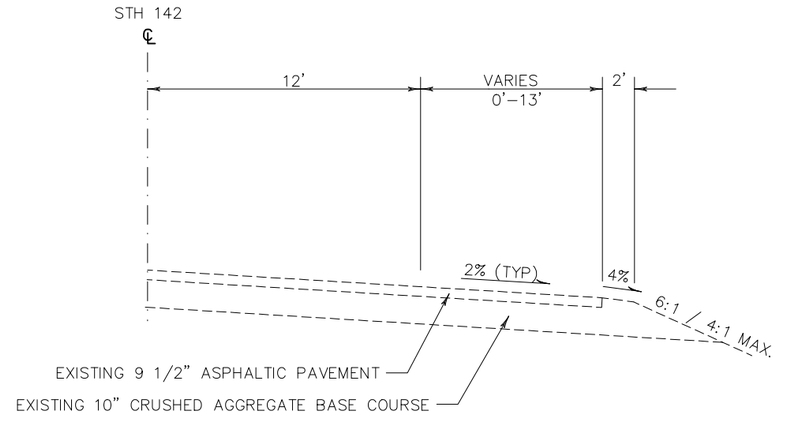


EXISTING TYPICAL SECTION BYPASS LANE

STH 142

STA. 180+50 – STA. 189+42 (LT)

STA. 262+60 – STA. 270+50 (RT)



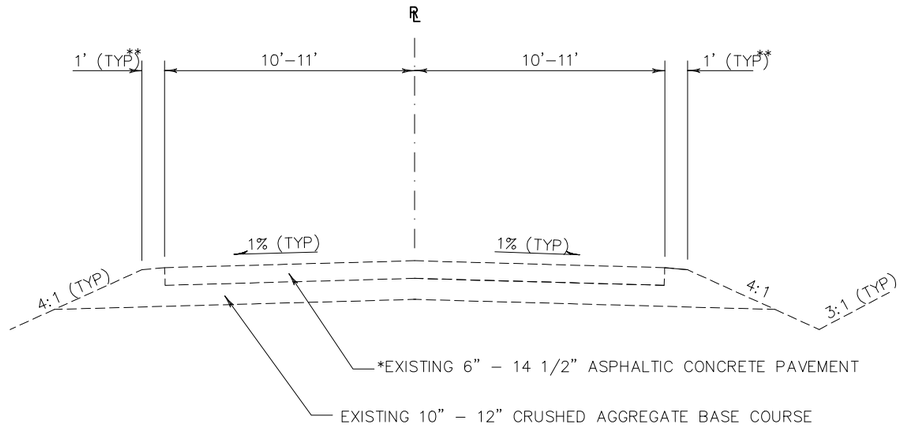
EXISTING TYPICAL SECTION RIGHT TURN LANE

STH 142

STA. 184+53 – STA. 187+04 (RT)

STA. 267+00 – STA. 270+50 (LT)

2



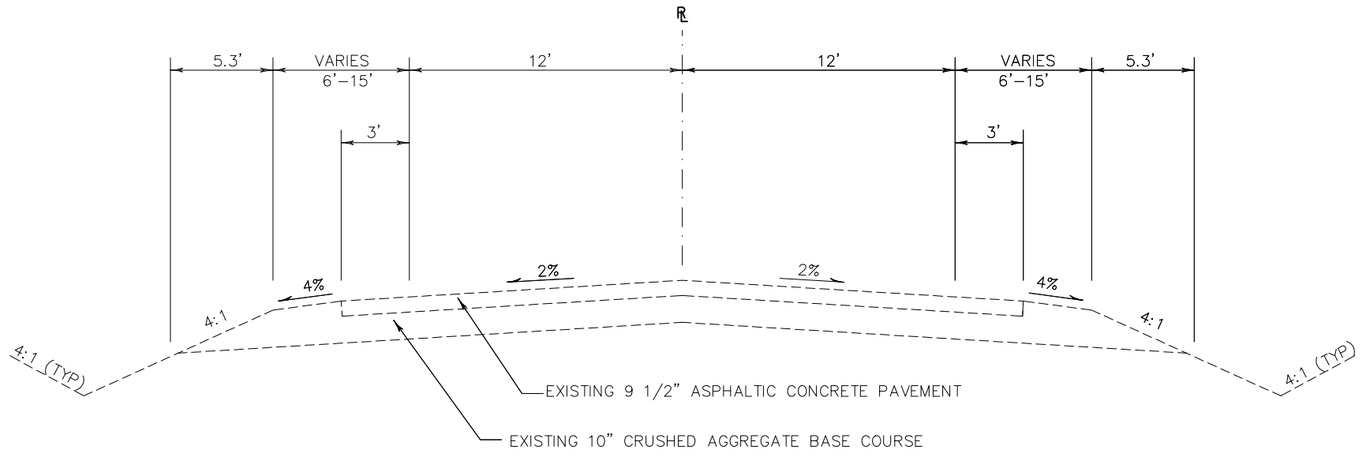
EXISTING TYPICAL SECTION

SIDE ROAD

HORSESHOE TRAIL
SHAGBARK LANE
WOMACK LANE

* BREVER ROAD – 8" ASPHALTIC PAVEMENT THICKNESS

** CTH J – CTH J WB 8' TOTAL SHOULDER WIDTH, 1' PAVED



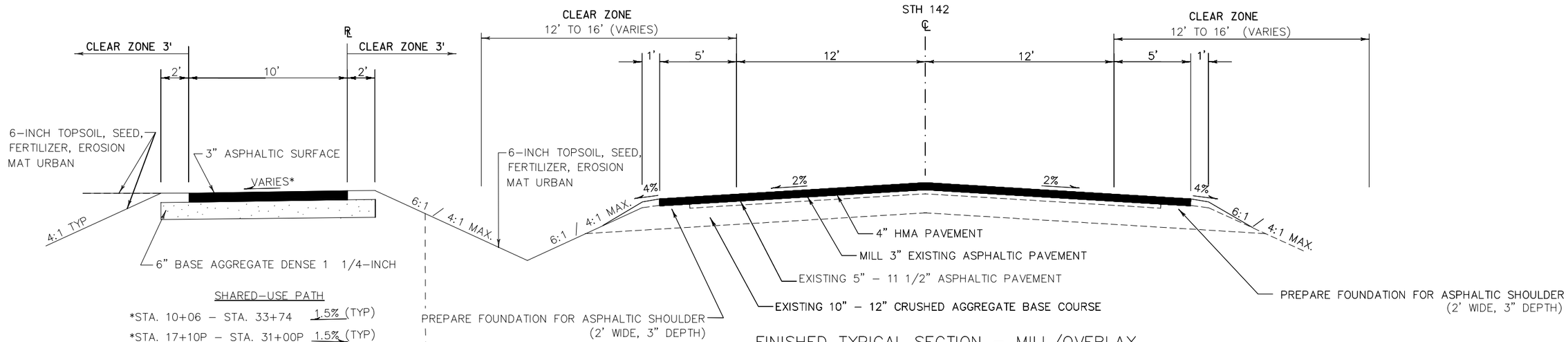
EXISTING TYPICAL SECTION

SIDE ROAD

WHEATLAND ROAD

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 6	E

2



SHARED–USE PATH

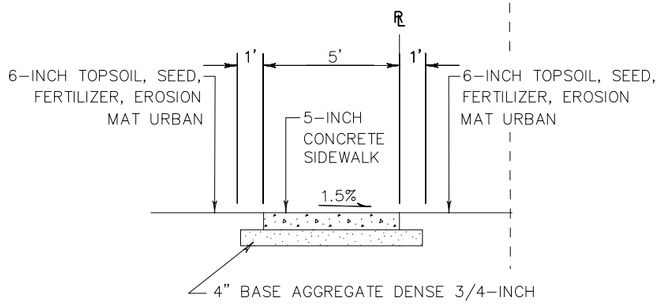
*STA. 10+06 – STA. 33+74 1.5% (TYP)

*STA. 17+10P – STA. 31+00P 1.5% (TYP)

FINISHED TYPICAL SECTION – MILL/OVERLAY

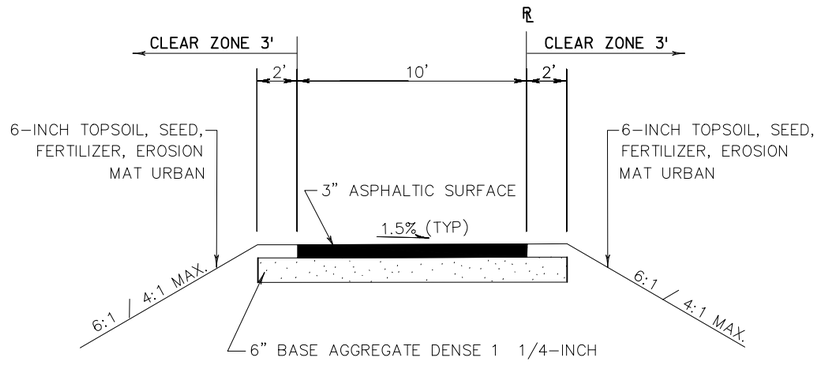
STH 142

STA. 39+00 – STA. 62+91



SIDEWALK

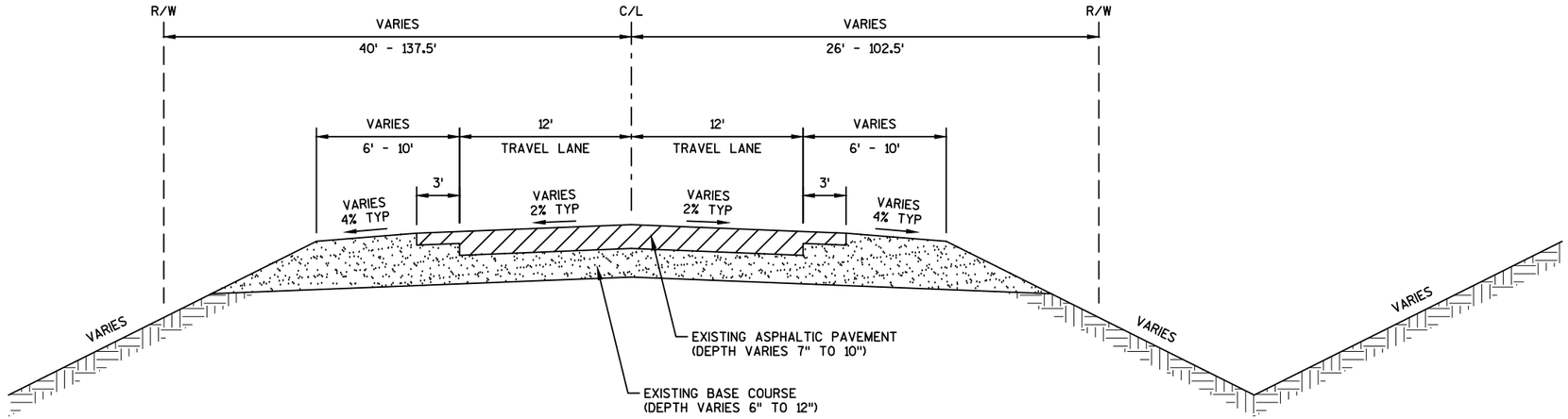
STA. 9+80 – STA. 10+06



SHARED–USE PATH CONNECTION

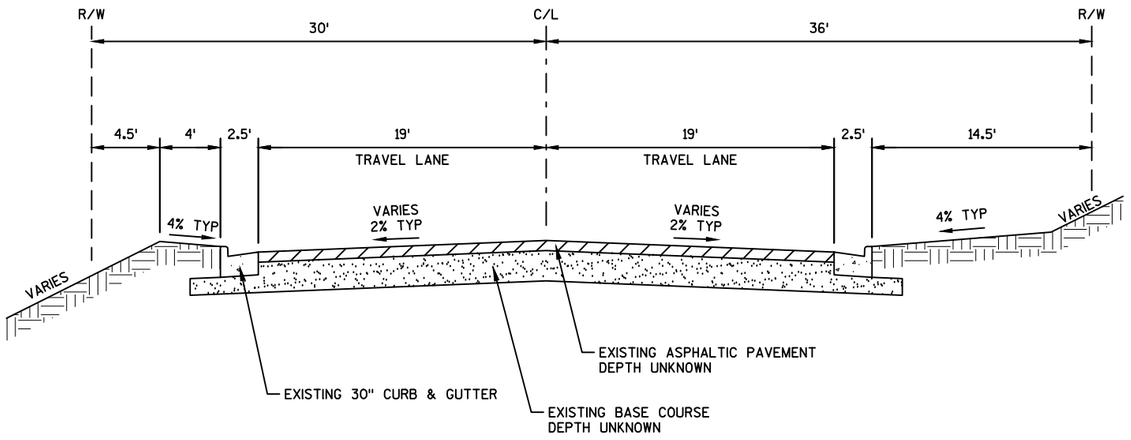
STA. 0+00 – STA. 5+10

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 7	E



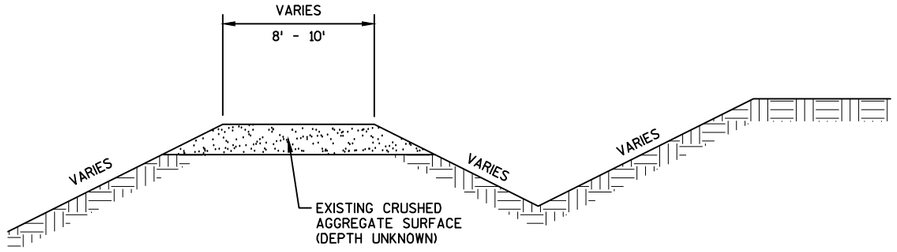
TYPICAL EXISTING SECTION
STH 142 (BUSHNELL ROAD)

STA 62+91 - STA 87+00
(EXCEPT STA 76+84 - STA 78+76 FOR B-51-18)



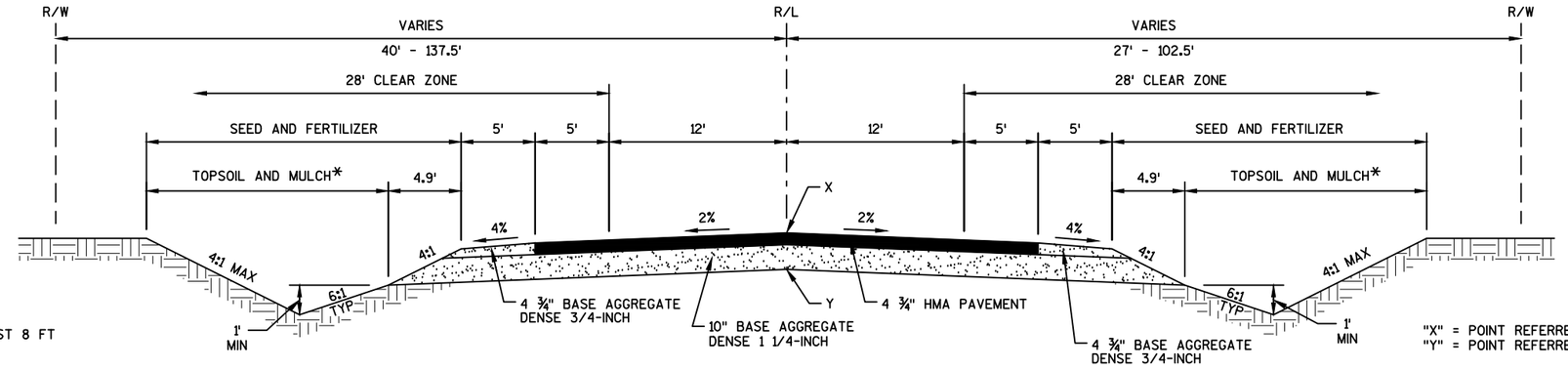
TYPICAL EXISTING SECTION
McCANNA PARKWAY

STA 12+80 - STA 13+30



TYPICAL EXISTING SECTION
WHITE RIVER STATE TRAIL

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SCALE, FEET 0 NTS	SHEET 8	E

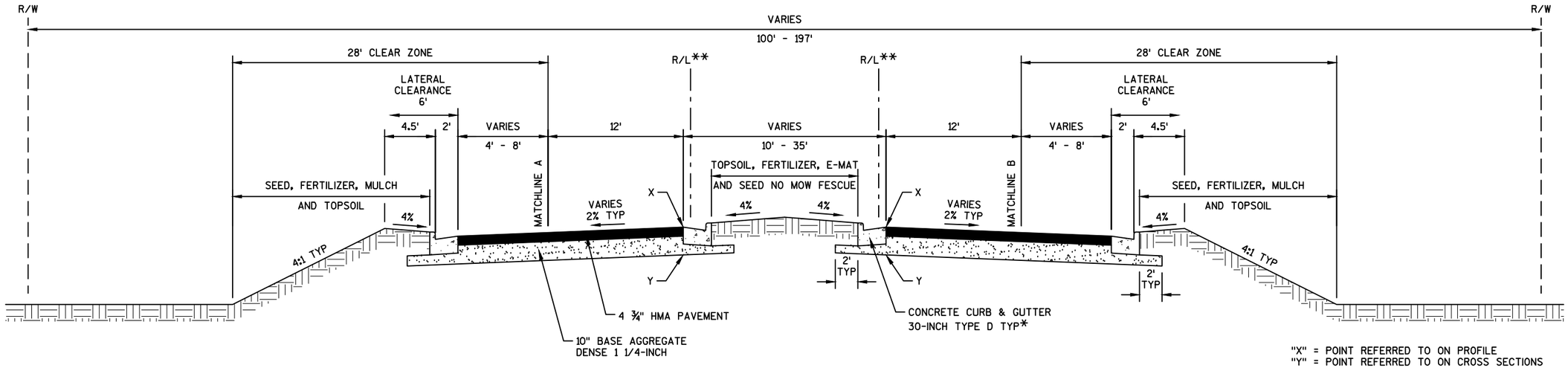


* TOPSOIL AND EROSION MAT FOR FIRST 8 FT FROM SUBGRADE SHOULDER POINT.

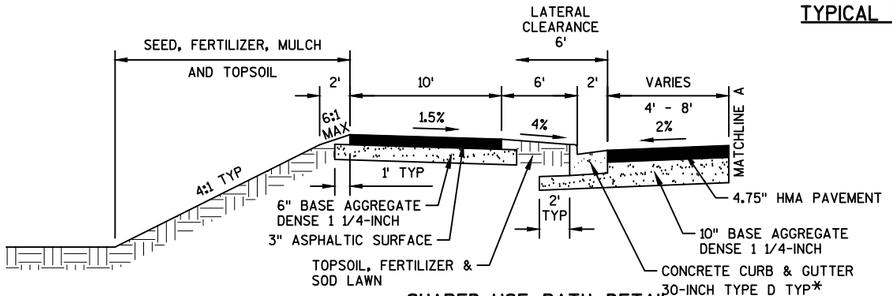
"X" = POINT REFERRED TO ON PROFILE
"Y" = POINT REFERRED TO ON CROSS SECTIONS

TYPICAL FINISHED SECTION - STH 142

STA 62+91 - STA 73+91
STA 81+87 - STA 87+00



"X" = POINT REFERRED TO ON PROFILE
"Y" = POINT REFERRED TO ON CROSS SECTIONS



SHARED-USE PATH DETAIL

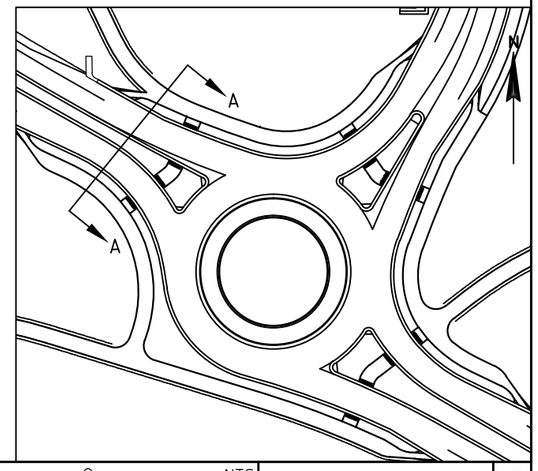
MATCHLINE B IS A MIRROR IMAGE
STH 142
STA 75+92 - STA 79+52 RT
STA 76+32 - STA 79+84 LT
McCANNA PARKWAY
STA 9+79 - STA 10+81 RT
STA 9+79 - STA 10+90 LT

TYPICAL FINISHED SECTION - STH 142 ROUNDABOUT SPLITTER ISLAND

SECTION A-A
STH 142
STA 73+91 - STA 77+19
STA 78+60 - STA 81+87
McCANNA PARKWAY
STA 9+79 - STA 10+46

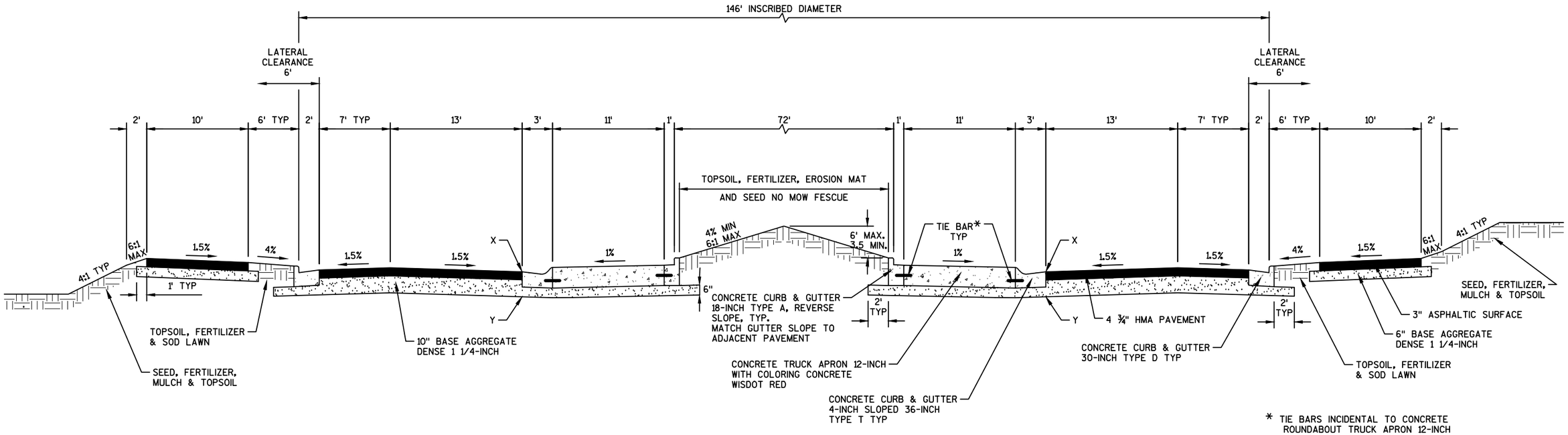
* CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D FROM STA 73+91 - STA 75+55 AND STA 80+23 - STA 81+87

** R/L LOCATION VARIES THROUGH SPLITTER ISLANDS



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SCALE, FEET 0 NTS	SHEET 9	E

2

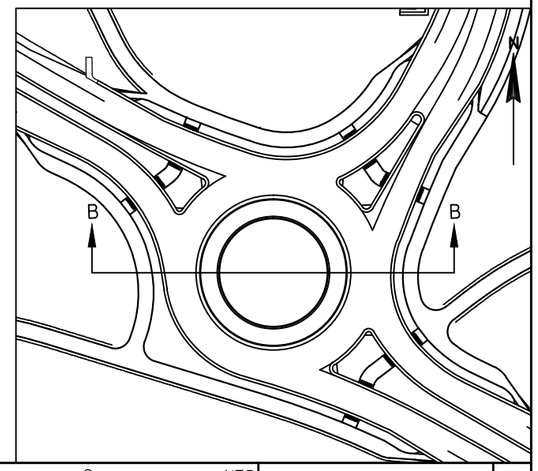


* TIE BARS INCIDENTAL TO CONCRETE ROUNDABOUT TRUCK APRON 12-INCH

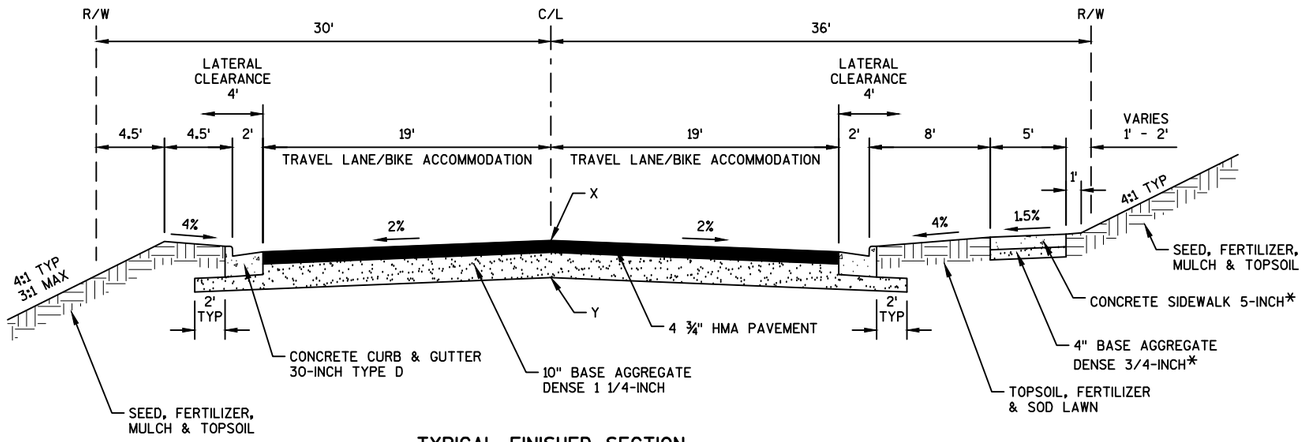
"X" = POINT REFERRED TO ON PROFILE
"Y" = POINT REFERRED TO ON CROSS SECTIONS

TYPICAL FINISHED SECTION - ROUNDABOUT

SECTION B-B
STH 142
STA 77+19 - STA 78+60



PROJECT NO:3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SCALE, FEET 0 NTS	SHEET 10	E

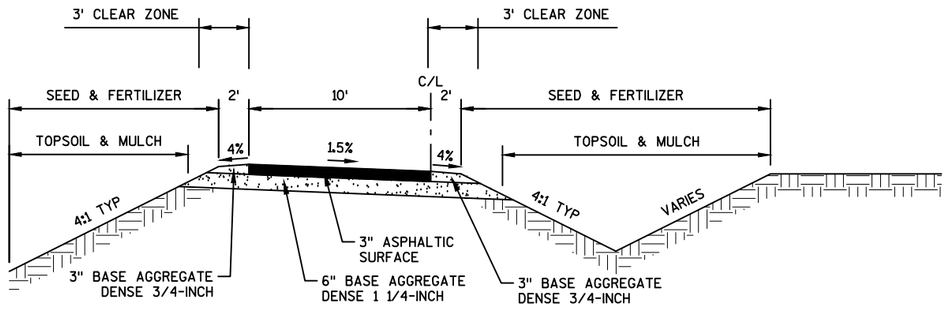


TYPICAL FINISHED SECTION
McCANNA PARKWAY
STA 10+46 - STA 13+30

"X" = POINT REFERRED TO ON PROFILE
"Y" = POINT REFERRED TO ON CROSS SECTIONS

* EXTEND SIDEWALK TO BURLINGTON HIGH SCHOOL NORTH ENTRANCE STA 20+68 RT

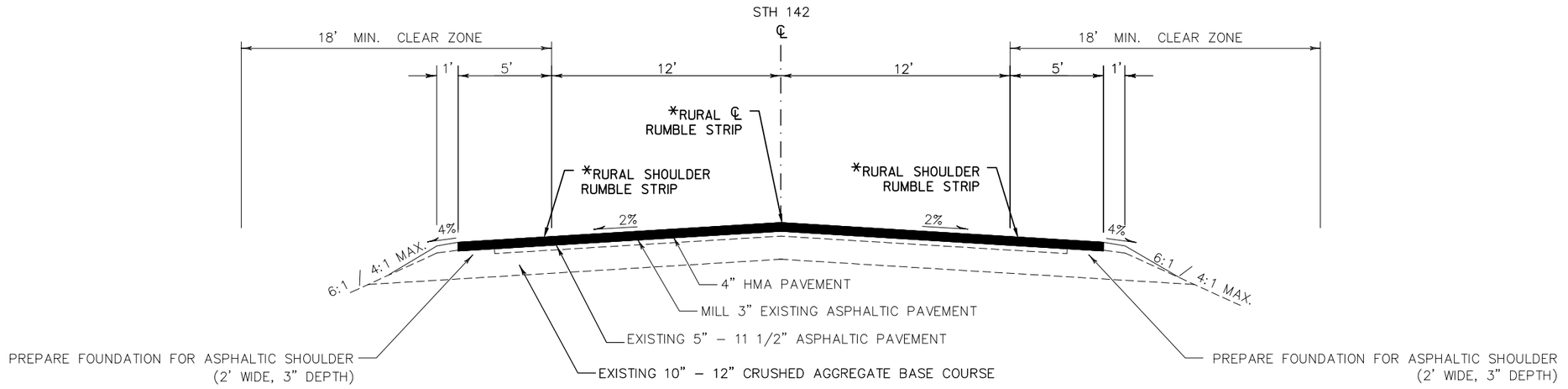
3" ASPHALTIC SURFACE OVER 6" BASE AGGREGATE DENSE 1 1/4-INCH FROM STA 10+46 - STA 10+68



TYPICAL FINISHED SECTION
TRAILS
WHITE RIVER STATE TRAIL
STA 202+10 - STA 209+76

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SCALE, FEET 0 NTS	SHEET 11	E

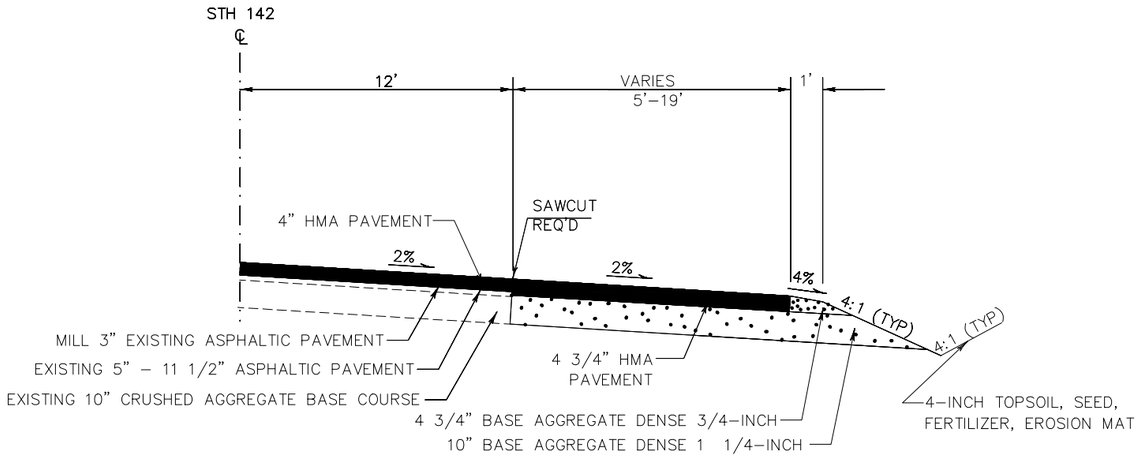
2



FINISHED TYPICAL SECTION – MILL/OVERLAY

STH 142

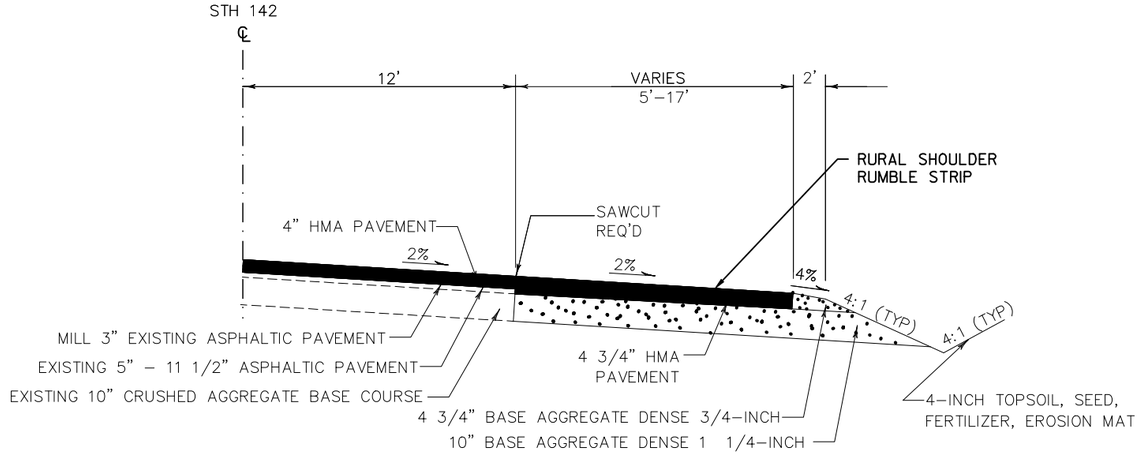
STA. 87+00 – STA. 101+50
STA. 143+50 – STA. 291+50*



FINISHED MAINLINE TYPICAL SECTION – RIGHT TURN LANE

STH 142

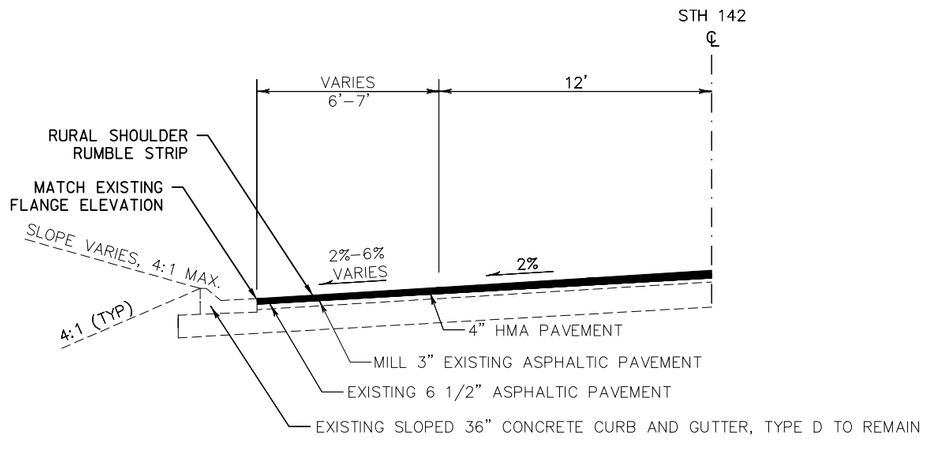
WHEATLAND ROAD STA. 183+12 TO STA. 187+25 RT
WOMACK LANE STA. 228+87 TO STA. 233+00 RT
SHAGBARK LANE STA. 252+98 TO STA. 257+11 RT
HORSESHOE TRAIL STA. 267+05 TO STA. 271+18 LT
CTH J EB STA. 281+44 TO STA. 285+57 RT
CTH J WB STA. 286+57 TO STA. 290+70 LT



FINISHED MAINLINE TYPICAL SECTION – BYPASS LANE

STH 142

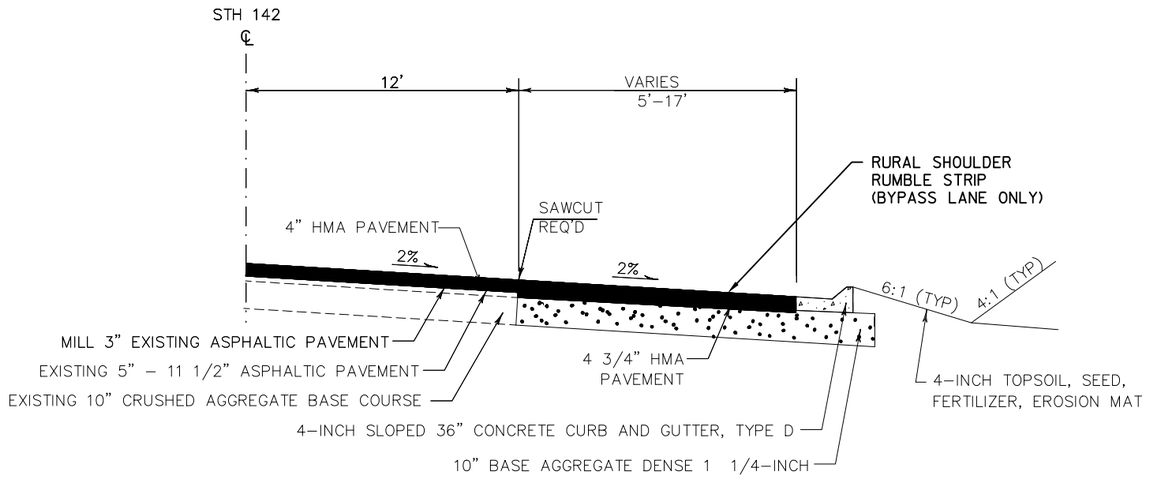
WOMACK LANE STA. 229+61 TO STA. 237+53 LT
SHAGBARK LANE STA. 253+57 TO STA. 261+49 LT
BREVER ROAD STA. 88+80 TO STA. 97+00 LT



FINISHED MAINLINE TYPICAL SECTION – BYPASS LANE

STH 142

WHEATLAND ROAD STA. 180+50 TO STA. 183+75.5 LT

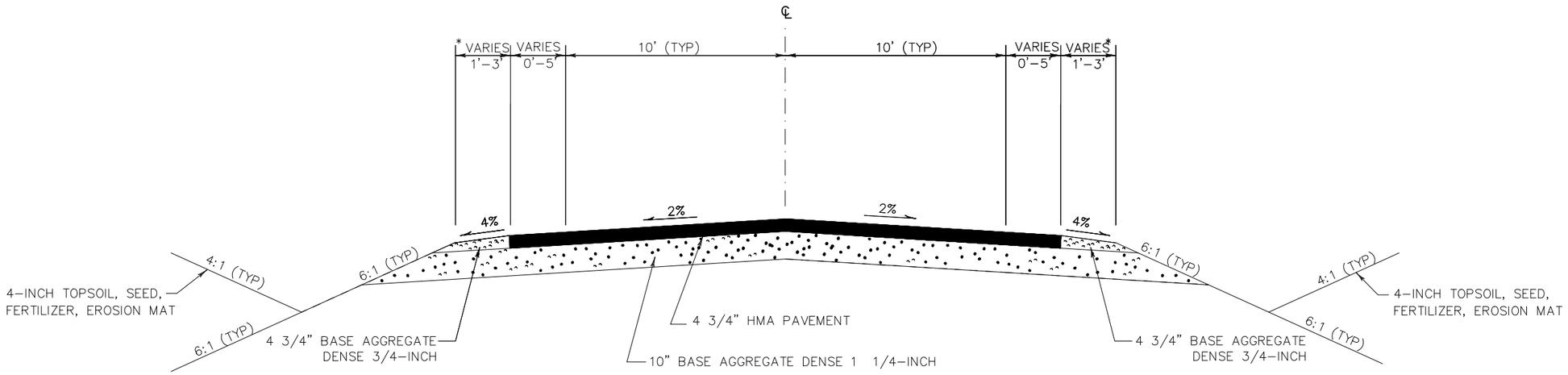


FINISHED MAINLINE TYPICAL SECTION – BYPASS LANE/ RT TURN LANE

STH 142

BREVER ROAD STA. 88+19 TO STA. 92+32 RT (RT TURN LANE)
WHEATLAND ROAD STA. 183+75.5 TO STA. 191+61 LT (MIRROR IMAGE)
HORSESHOE TRAIL STA. 262+63 TO STA. 270+55 RT

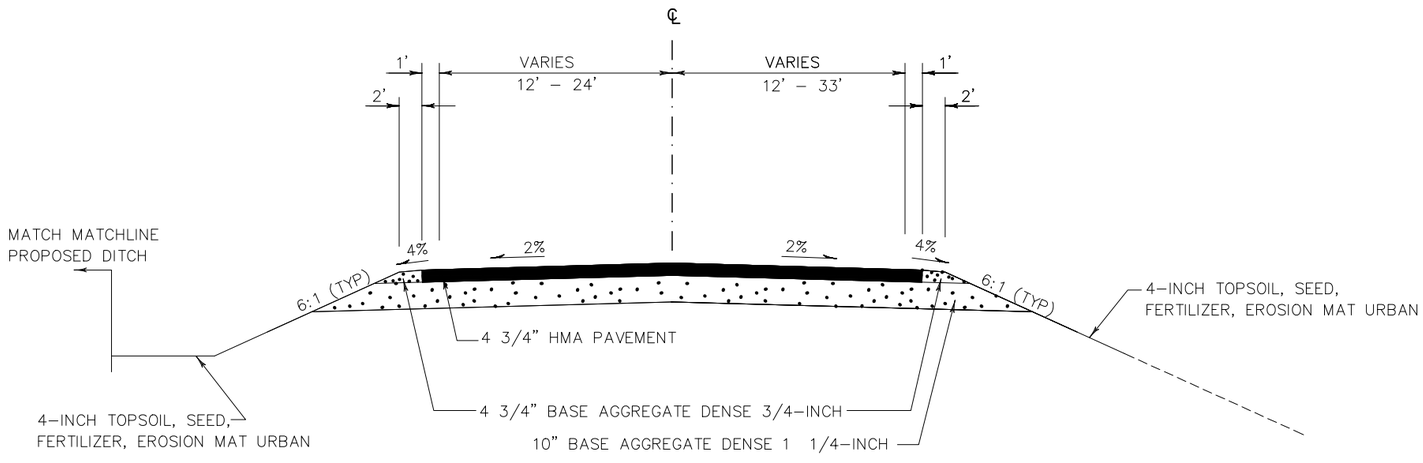
2



FINISHED TYPICAL SECTION

SIDE ROAD

BREVER ROAD
WHEATLAND ROAD
WOMACK LANE
SHAGBARK LANE
HORSESHOE TRAIL
CTH J – WB SHOULDER WIDTH 8' TOTAL, 1' PAVED



FINISHED TYPICAL SECTION

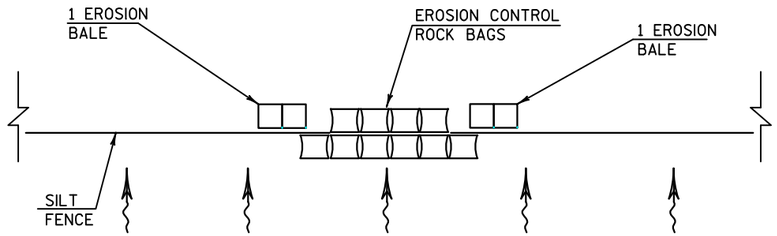
QUARRY DRIVEWAY

STA. 0+58 TO STA. 3+39

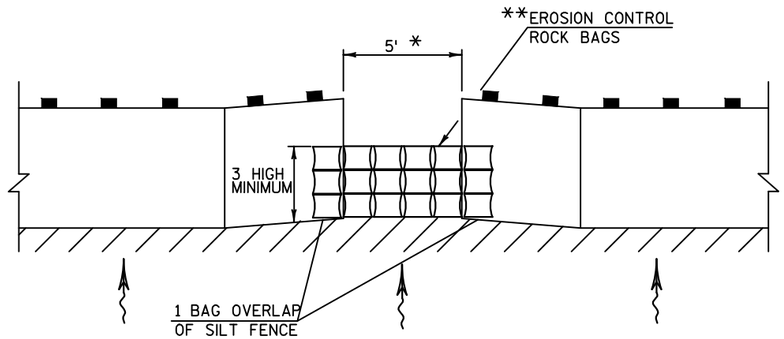
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TYPICAL SECTIONS	SHEET 14	E

2

TOP VIEW



FRONT VIEW



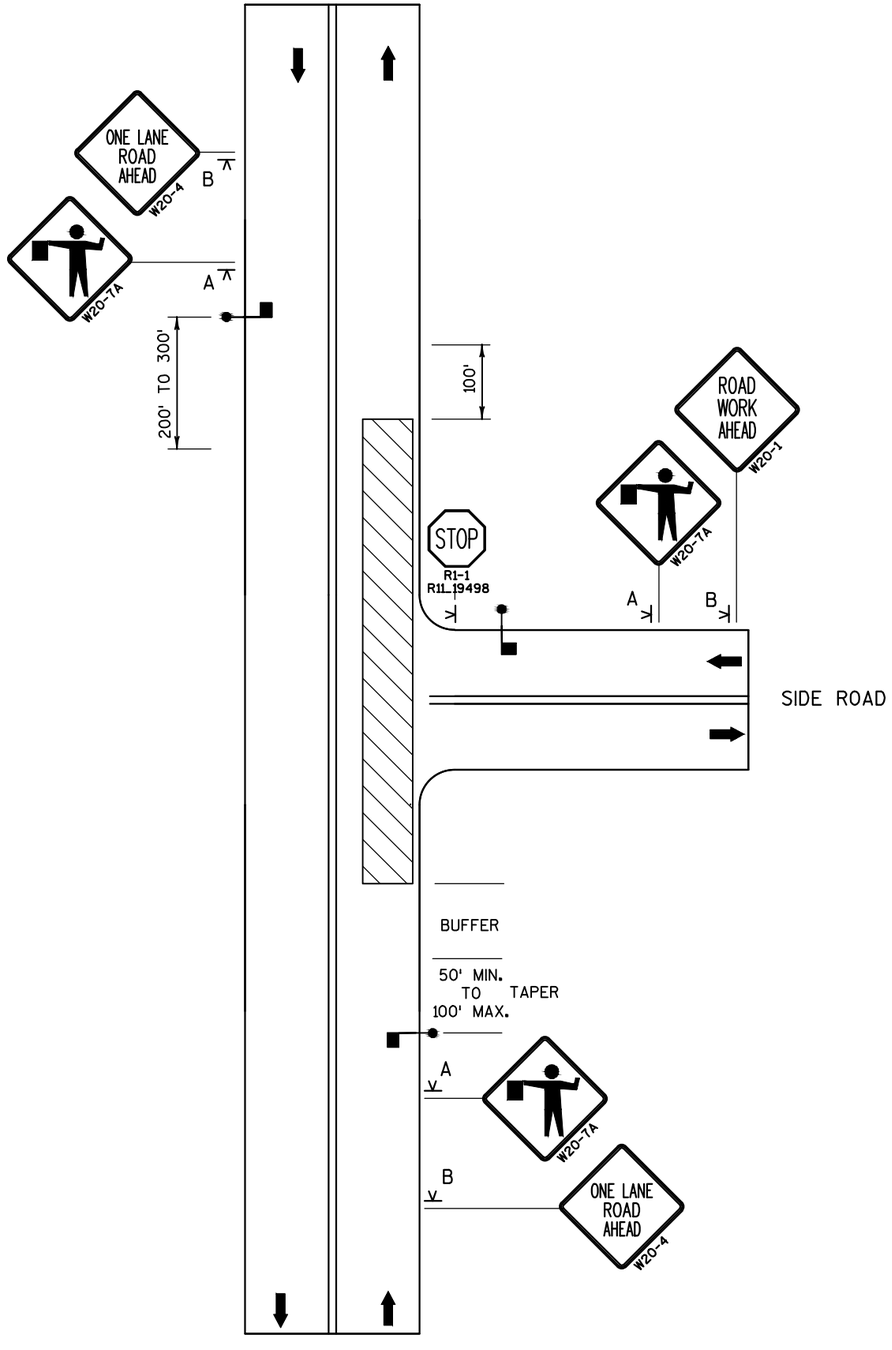
SILT FENCE DRAINAGE OPENING

STH 142

NOTE:

*DIMENSIONS WILL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER

**
ROCK BAGS HEIGHT WILL BE DETERMINED TO FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER.



LANE CLOSURE THROUGH AN INTERSECTION
FLAGGER ON SIDE ROAD
(Work Area on Through Road)

LEGEND

- PORTABLE SIGN SUPPORT
- WORK AREA
- TRAFFIC FLOW
- FLAGGER

SPEED LIMIT (MPH)	SIGN SPACING A, B, (FT)
25	200
30	200
35	350
40	350
45	500
50	500
55	500

NOTES

1. Depending on traffic conditions, consider additional traffic control on the side road approaches, such as flaggers and appropriate signs.

BE PREPARED TO STOP

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.

GENERAL NOTES

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

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

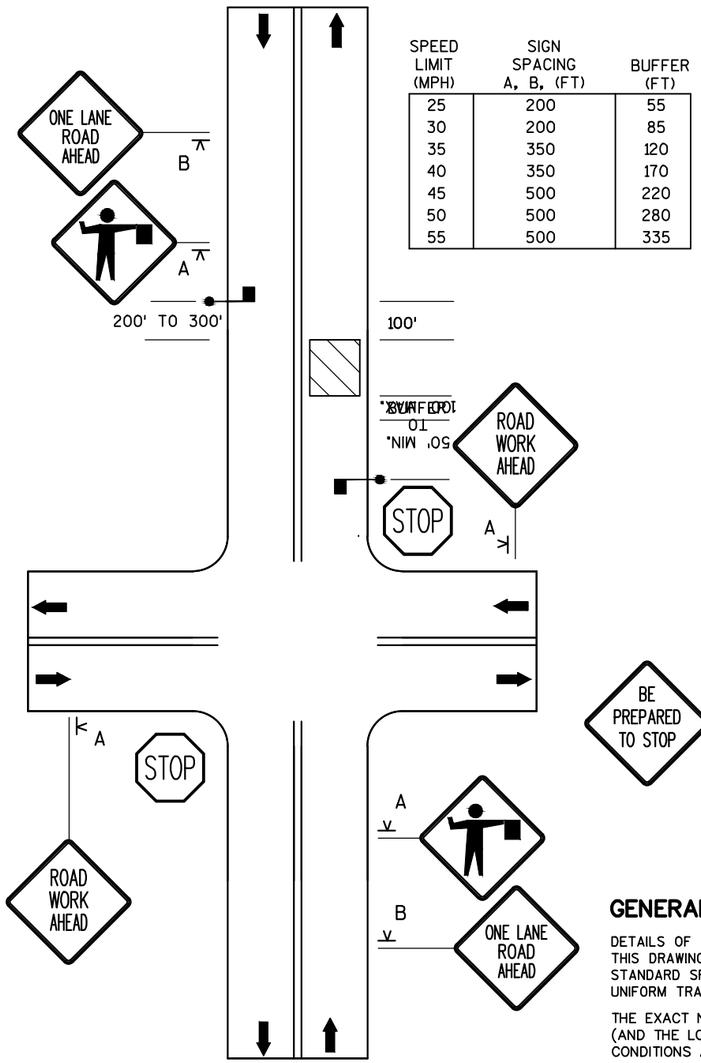
THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD CONSTRUCTION AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

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

FILE NAME : N:\PDS\C3D\CAD\33700500\021000_CD.DWG
LAYOUT NAME - ****
PLOT DATE : 10/20/2016 2:21 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : Custom
WISDOT/CADDS SHEET 42

LANE CLOSURE BEYOND AN INTERSECTION
(Work Area on the Through Road)



SPEED LIMIT (MPH)	SIGN SPACING A, B, (FT)	BUFFER (FT)
25	200	55
30	200	85
35	350	120
40	350	170
45	500	220
50	500	280
55	500	335

LEGEND

- PORTABLE SIGN SUPPORT
- WORK AREA
- TRAFFIC FLOW
- FLAGGER

BE PREPARED TO STOP

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.

GENERAL NOTES

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

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

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

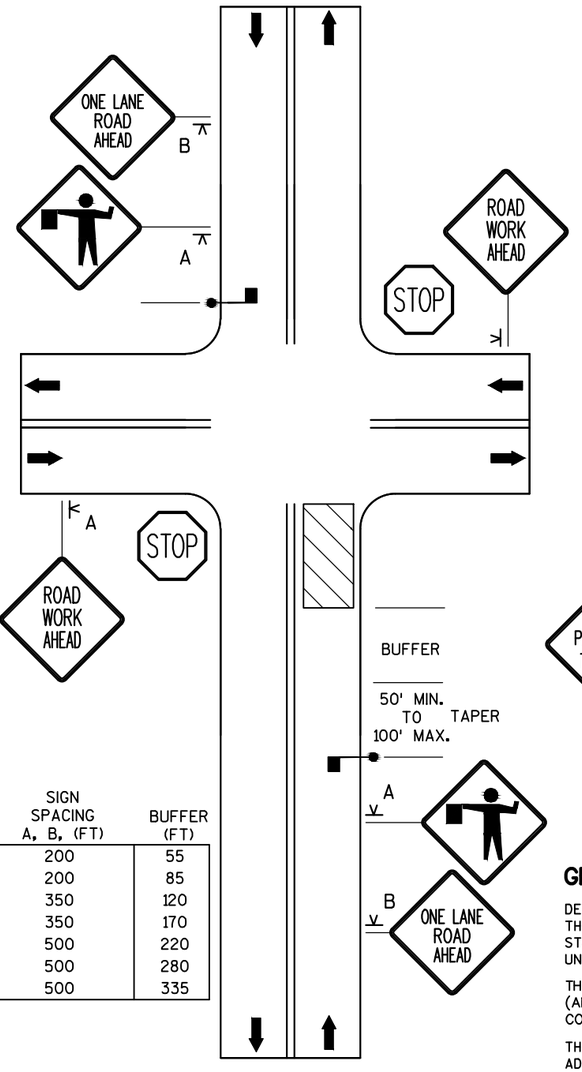
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD CONSTRUCTION AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

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

NOTES

1. Depending on traffic conditions, consider additional traffic control, such as flaggers and appropriate signs.

LANE CLOSURE IN ADVANCE OF AN INTERSECTION
(Work Area on the Through Road)



SPEED LIMIT (MPH)	SIGN SPACING A, B, (FT)	BUFFER (FT)
25	200	55
30	200	85
35	350	120
40	350	170
45	500	220
50	500	280
55	500	335

LEGEND

- PORTABLE SIGN SUPPORT
- WORK AREA
- TRAFFIC FLOW
- FLAGGER

BE PREPARED TO STOP

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.

GENERAL NOTES

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

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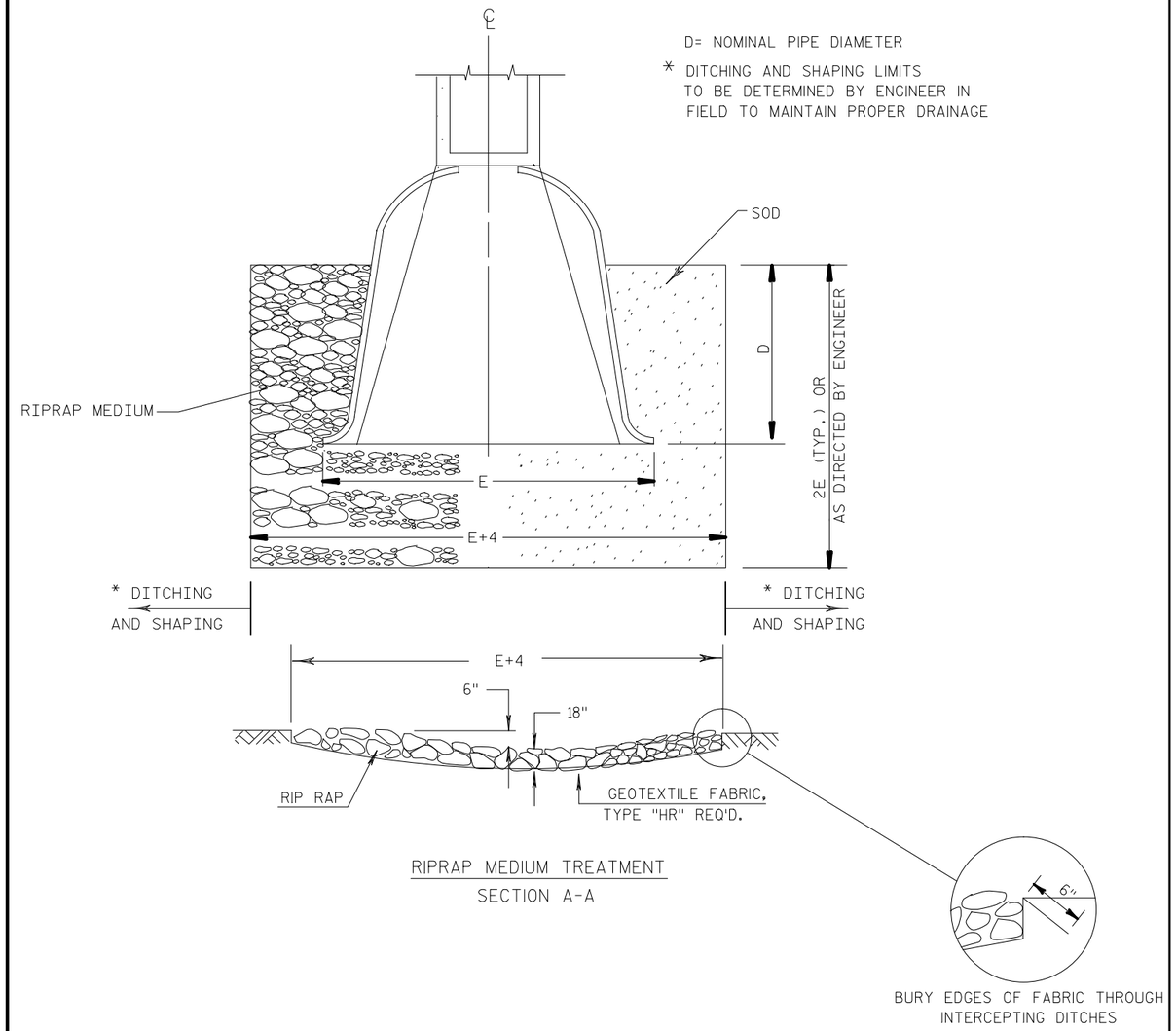
THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD CONSTRUCTION AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

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

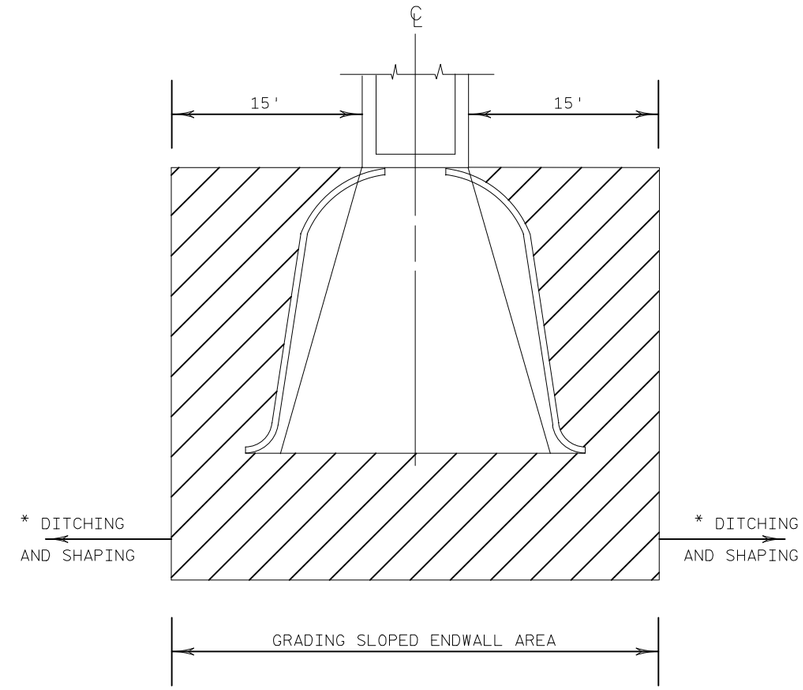
NOTES

1. Depending on traffic conditions, consider additional traffic control on the side road approaches, such as flaggers and appropriate signs.



RIPRAP MEDIUM TREATMENT
SECTION A-A

RIPRAP MEDIUM AT OUTFALLS

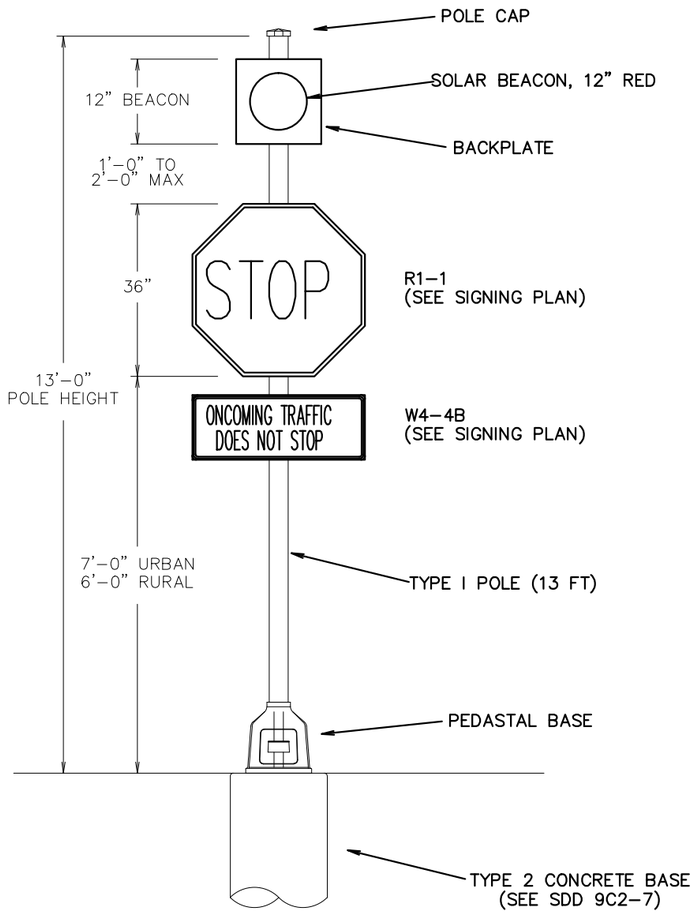


GRADING SLOPED ENDWALL AREA LIMITS

* DITCHING AND SHAPING LIMITS TO BE DETERMINED BY ENGINEER IN FIELD TO MAINTAIN PROPER DRAINAGE

GRADING AT CULVERT ENDWALL INVERT LOCATIONS

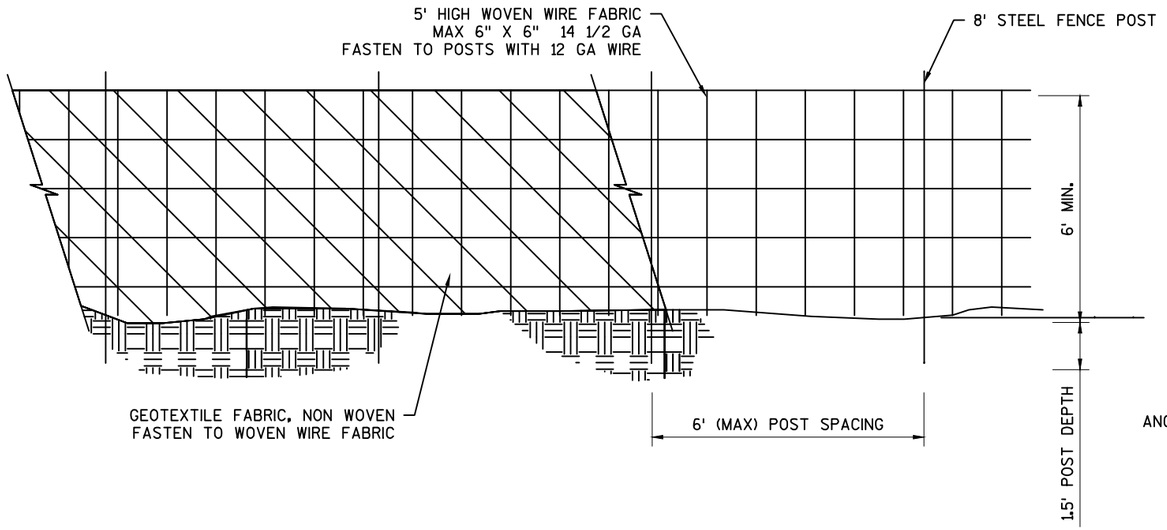
2

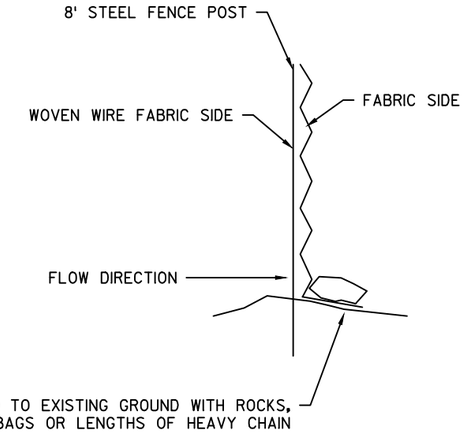


12' SOLAR BEACON ASSEMBLY
(STOP SIGN APPLICATION)

STH 142

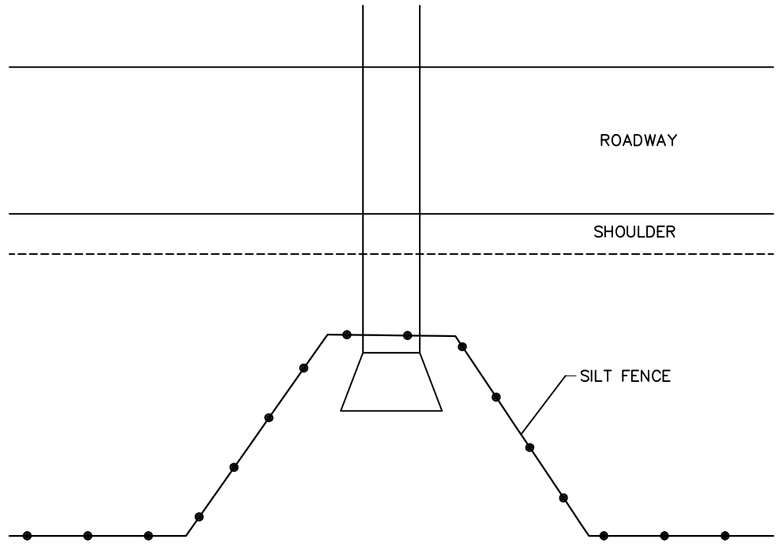
INTERSECTION OF CTH J ON STH 142 WB/NB





HEAVY DUTY SILT FENCE

STH 142, STA 268+00 TO STA 271+25, LT
CTH J, STA 12+55, RT TO STH 142, STA 289+20, LT
CTH J, STA 7+50 TO STA 9+35, RT & LT
STH 142, STA 287+00 TO STA 289+00, RT

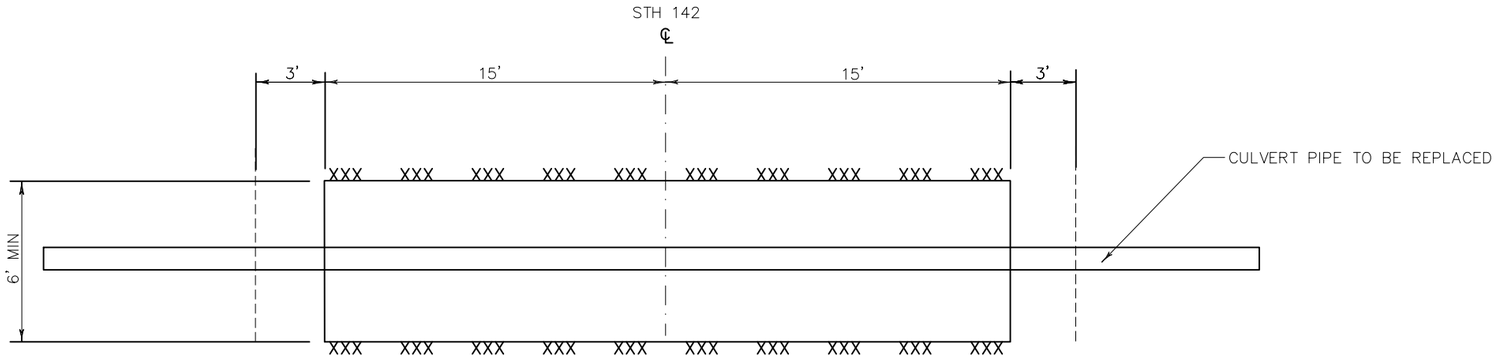


NOTE
SEE SILT FENCE SDD FOR ADDITIONAL INFORMATION.

TYPICAL SILT FENCE DETAIL AT PIPE INLET

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 20	E

2

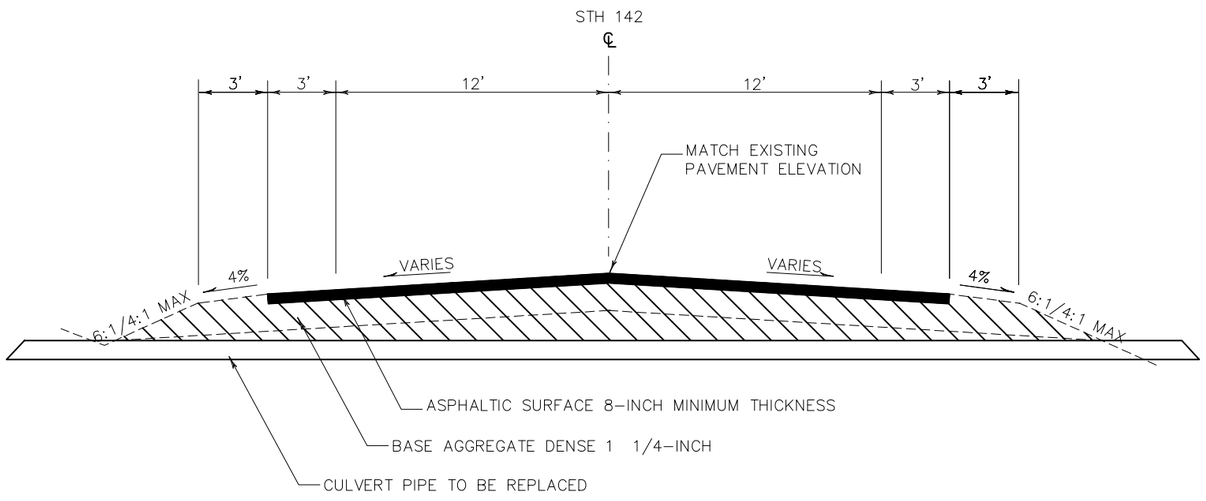


NOTE:

*ALL BASE PATCH ASPHALTIC SHALL BE COMPLETED PRIOR TO MILLING OPERATION.

*ALL FILL BETWEEN NEW CULVERT AND ASPHALTIC PAVEMENT SHALL BE BAD 1 1/4-INCH.

*ALL REMOVAL/ REPLACEMENT LABOR AND MATERIALS TO BE INCLUDED IN BASE PATCHING ASPHALTIC ITEM.



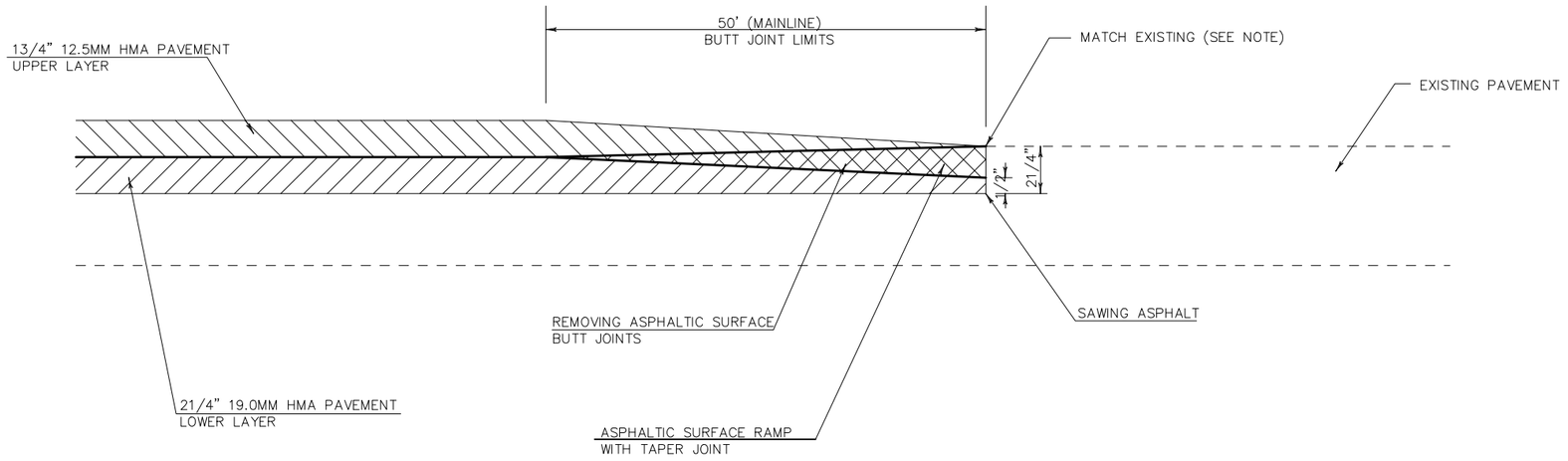
BASE PATCHING ASPHALTIC AT CULVERT REPLACEMENT LOCATIONS

STH 142

STA. 39+00 – STA. 286+26

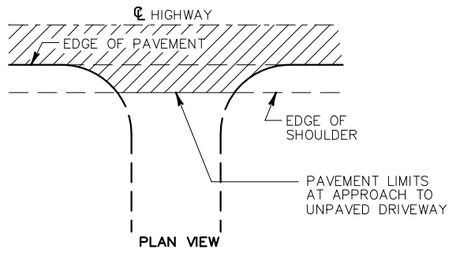
*14 1/2" PAVEMENT DEPTH STA. 190+50 TO STA. 286+26

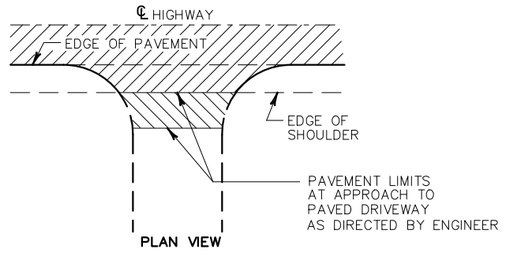
2



BUTT JOINT DETAIL

NOTE: LOCATION FOR MATCH POINT TO BE DETERMINED IN FIELD BY PROJECT ENGINEER.





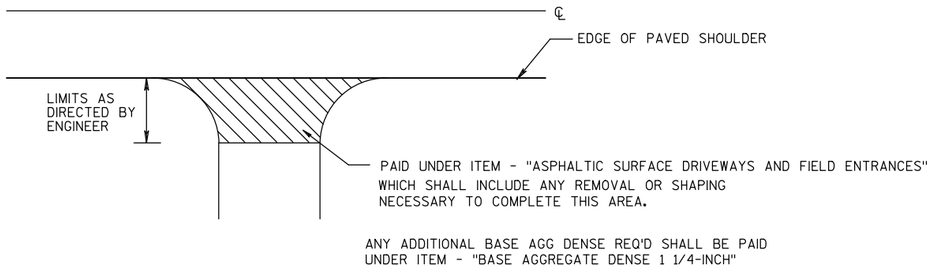
NOTE: DRIVEWAY SURFACE TO BE REPLACED IN KIND

HMA PAVEMENT MAIN LINE

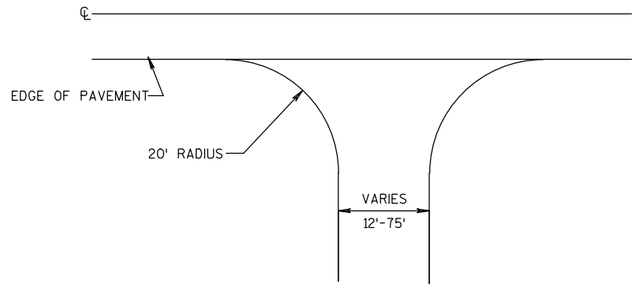
4" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

RURAL DRIVEWAY DETAIL - RESURFACING LIMITS

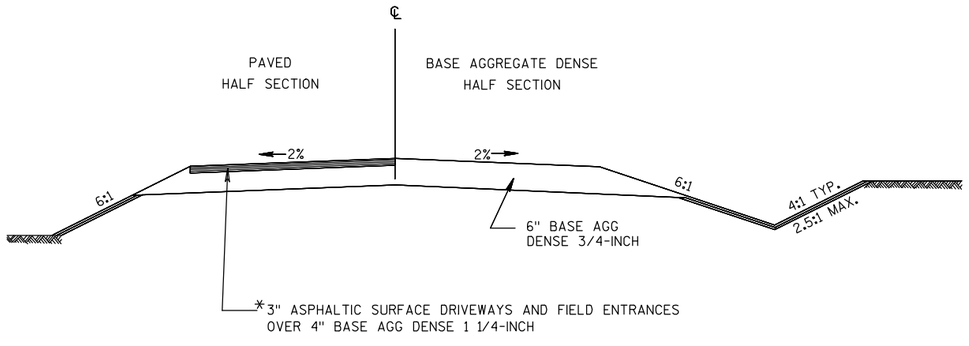
2



RURAL DRIVEWAY DETAIL - ASPHALT

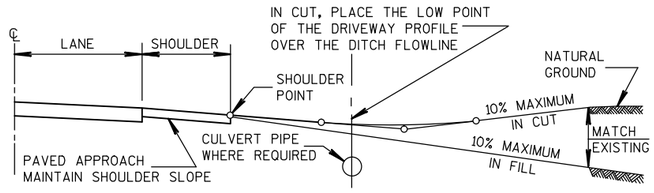


TYPICAL DRIVEWAY DETAIL
(NON-COMMERCIAL RURAL)



TYPICAL SECTION
FOR PRIVATE ENTRANCES

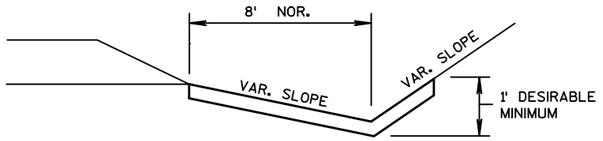
NOTE: DRIVEWAY PROFILES NOT EXPECTED TO EXCEED 10%. PLACE LOW POINT OF DRIVEWAY PROFILE OVER DITCH FLOW LINE.



TYPICAL DRIVEWAY PROFILES

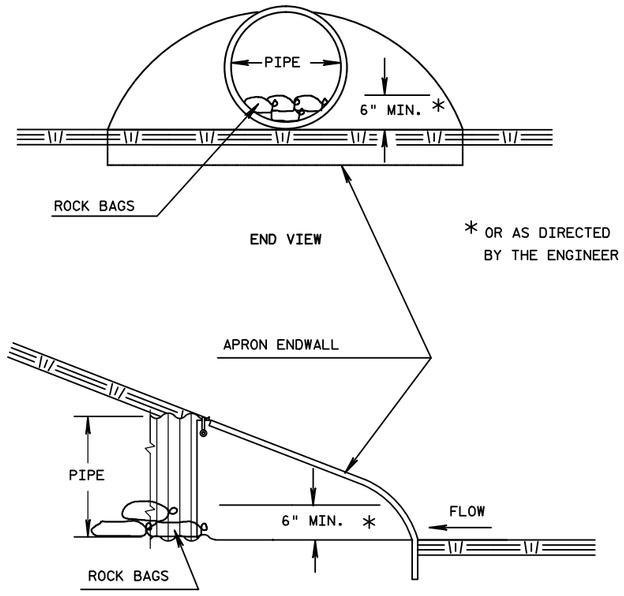
RURAL DRIVEWAY DETAIL

STH 142
STA 85+04 RT
STA 86+17 RT
STA 86+37 LT



EROSION MAT DETAIL FOR DITCHES

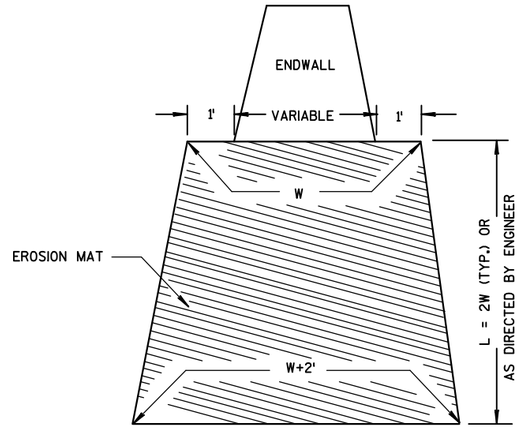
SEE EROSION CONTROL PLANS FOR LOCATIONS



SIDE VIEW

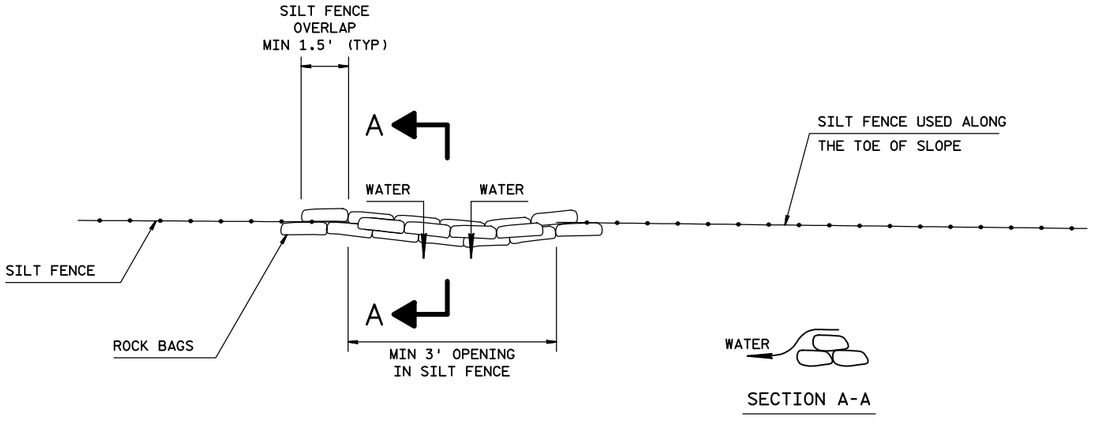
CULVERT PIPE CHECK

SEE EROSION CONTROL PLANS FOR LOCATIONS



EROSION MAT TREATMENT AT CULVERTS

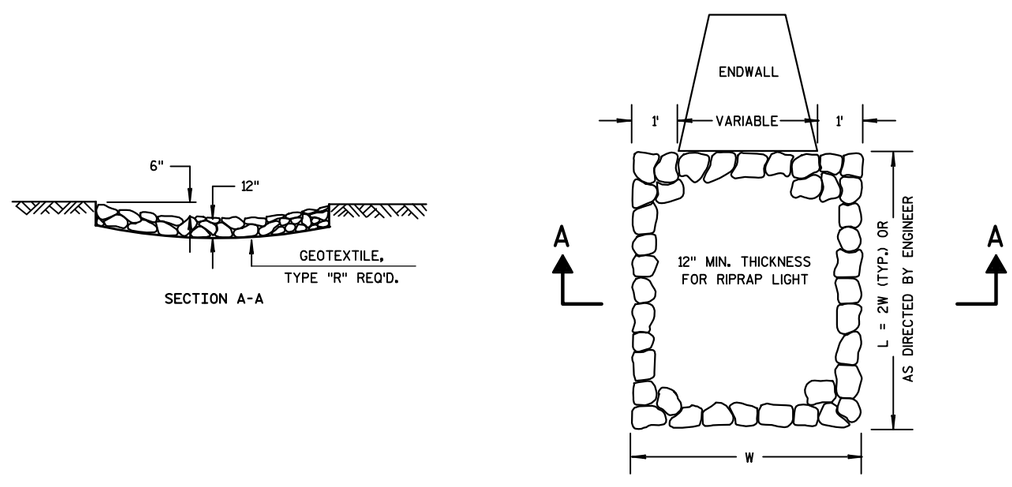
SEE EROSION CONTROL PLANS FOR LOCATIONS



ROCK BAGS USED FOR SILT FENCE RELIEF

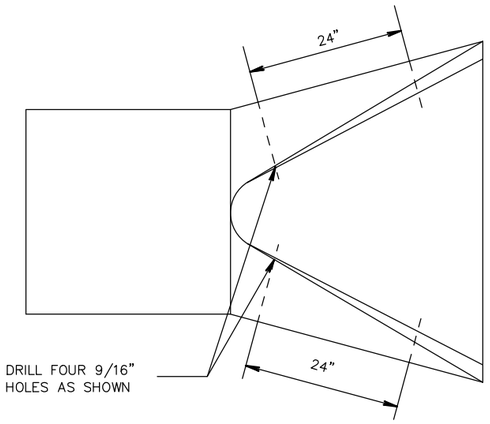
PAID AS ROCK BAGS

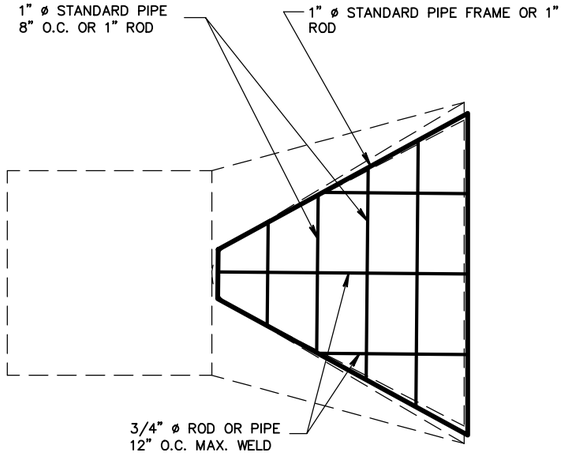
SEE EROSION CONTROL PLANS FOR LOCATIONS

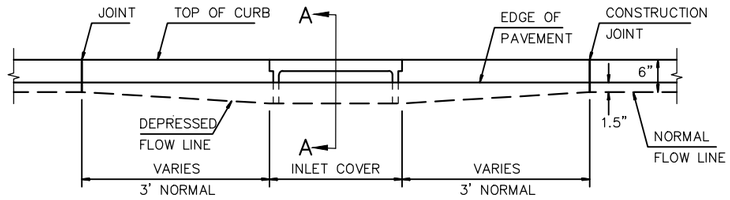


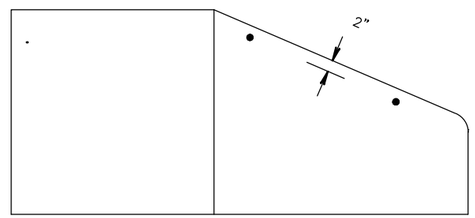
RIPRAP LIGHT TREATMENT AT CULVERTS

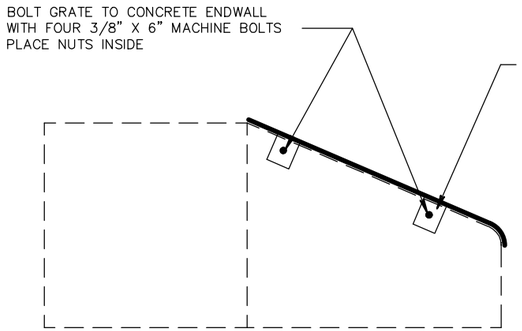
SEE EROSION CONTROL PLANS FOR LOCATIONS

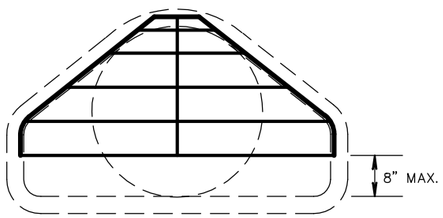






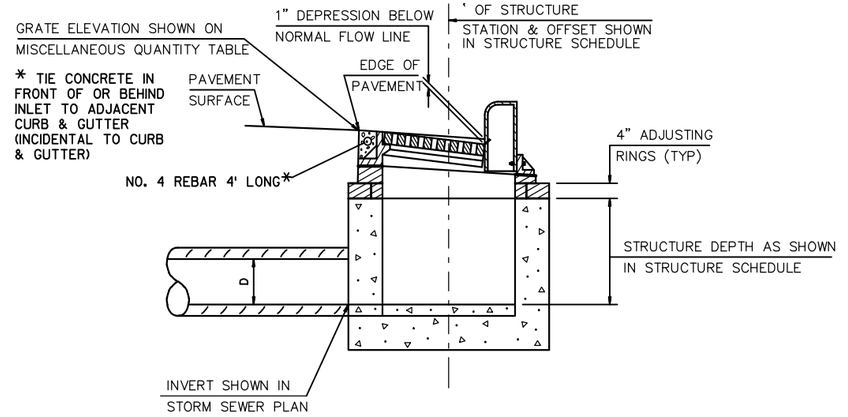






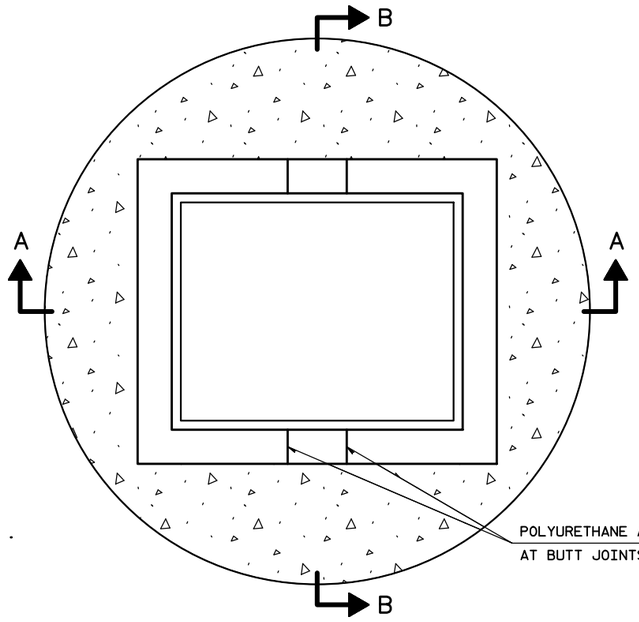
PIPE GRATE DETAIL

SEE STORM SEWER TABLE FOR LOCATIONS



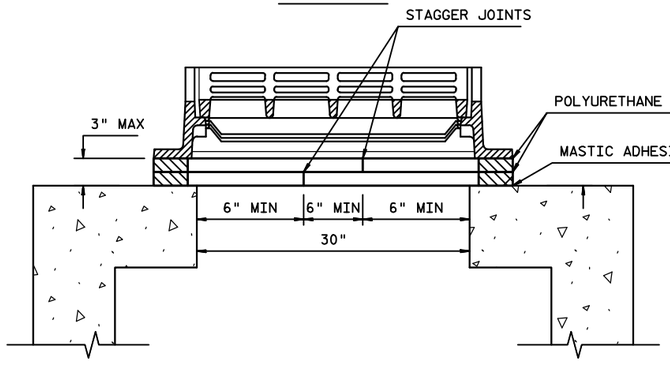
SECTION A–A

DETAIL OF CURB AND GUTTER AT INLETS

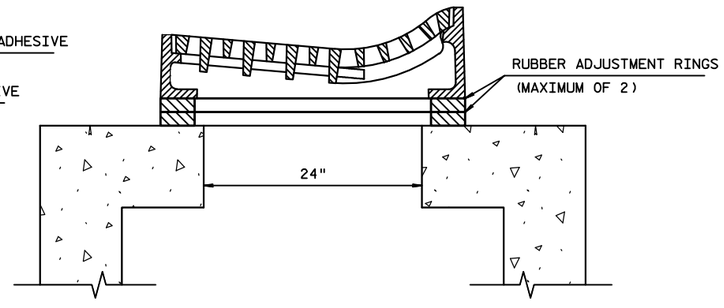


PLAN VIEW

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



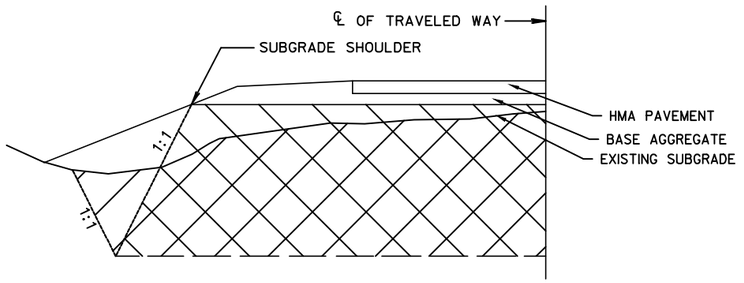
SECTION A-A



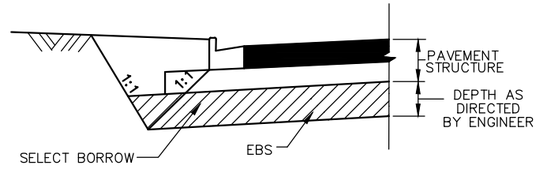
SECTION B-B

RUBBER RING CUTTING DETAIL FOR INLETS 4-FT DIAMETER SPECIAL

SEE STORM SEWER TABLE FOR LOCATIONS

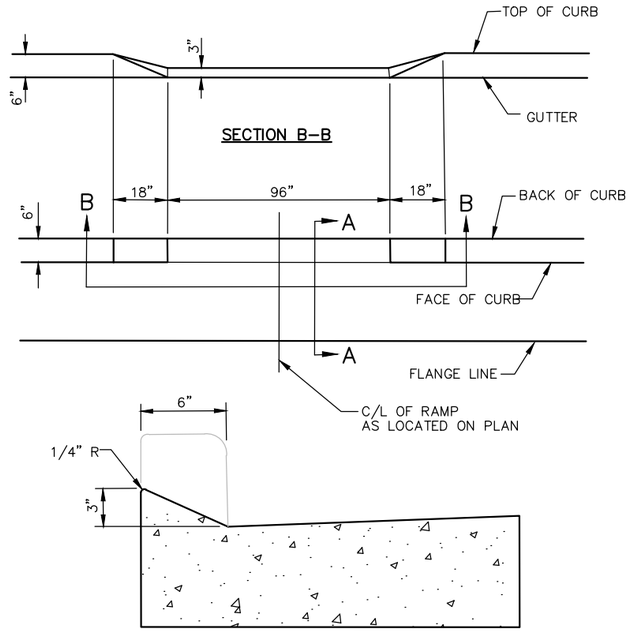


EXCAVATION BELOW SUBGRADE RURAL (EBS)



NOTES:
1. THIS DETAIL TO BE USED AS DIRECTED BY ENGINEER FOR AREAS OF UNSTABLE SUBGRADE NOT SHOWN ON CROSS SECTIONS.
2. EBS SHALL BE PAID AS EXCAVATION COMMON.

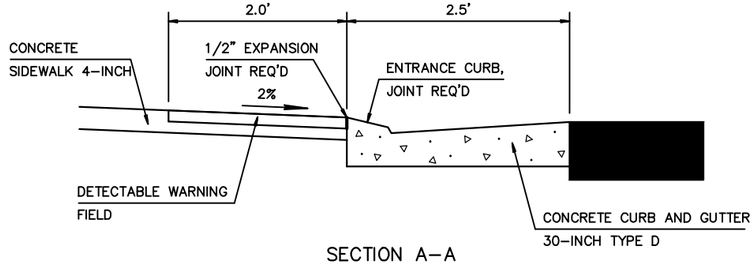
EXCAVATION BELOW SUBGRADE URBAN (EBS)



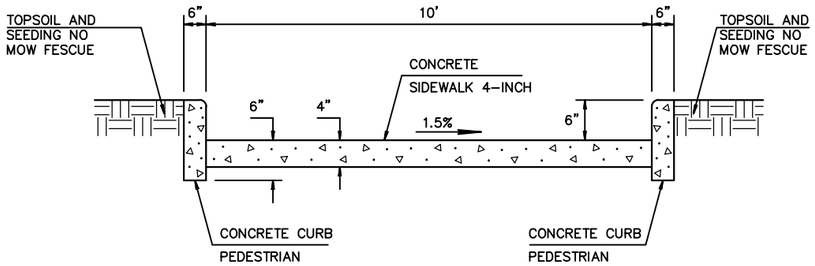
SECTION A-A

MAINTENANCE RAMP

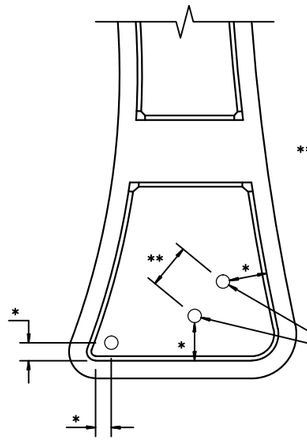
SEE PAVING DETATAILS FOR LOCATIONS



SECTION A–A



SECTION B–B

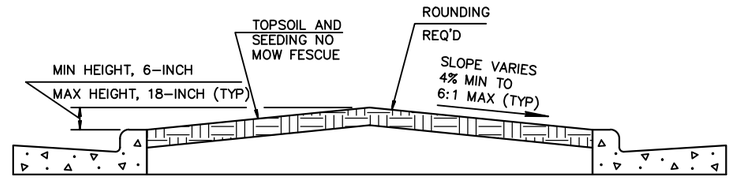


* DISTANCE TO BE LAID OUT IN THE FIELD BASED ON SIGN SIZE. TWO FOOT MINIMUM CLEARANCE BETWEEN THE EDGE OF SIGN AND THE FACE OF CURB.

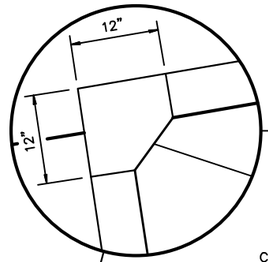
** SEE A4–4 SIGN PLATE FOR POST SPACING REQUIREMENTS.

USE A 18–INCH MINIMUM INSIDE DIAMETER PVC PIPE BOX OUT IN CONCRETE FOR SIGN POST (TYP). THE NUMBER OF BOX OUTS REQUIRED VARIES BY WIDTH OF THE SIGN AND SHALL BE VERIFIED BEFORE PLACING THE CONCRETE IN THE ISLAND.

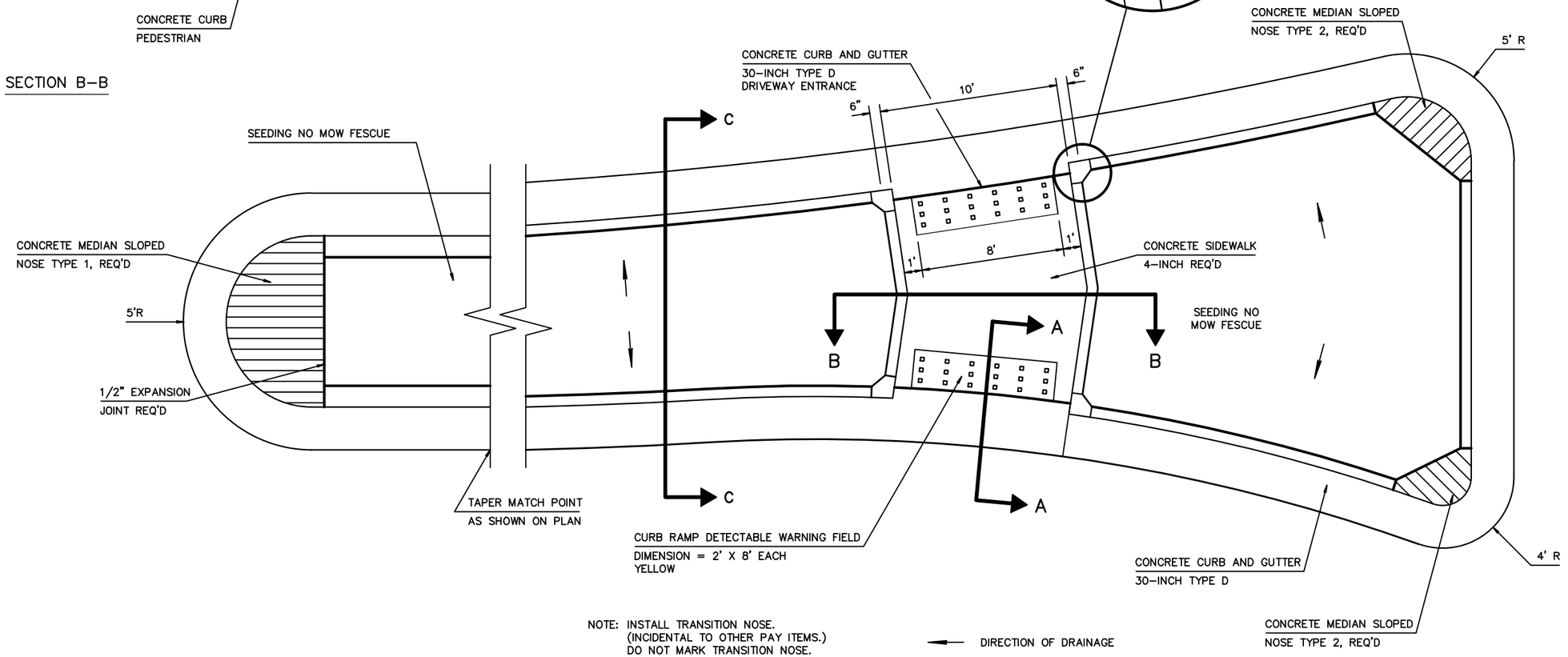
ISLAND SIGN LOCATION DETAIL (TYP)



SECTION C–C



TRANSITION NOSE TYPICAL
AT 4 CROSSWALK CORNERS



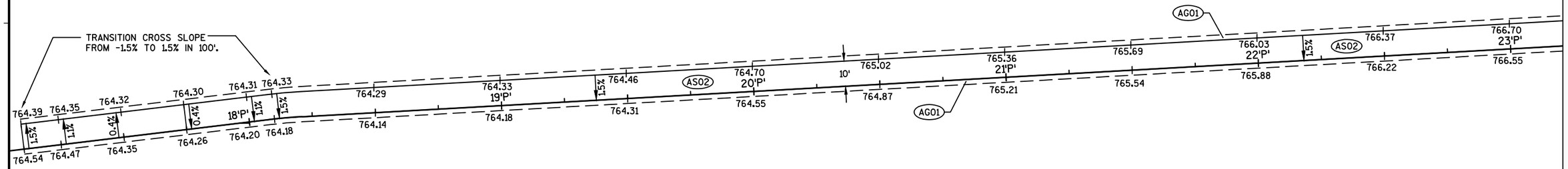
NOTE: INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

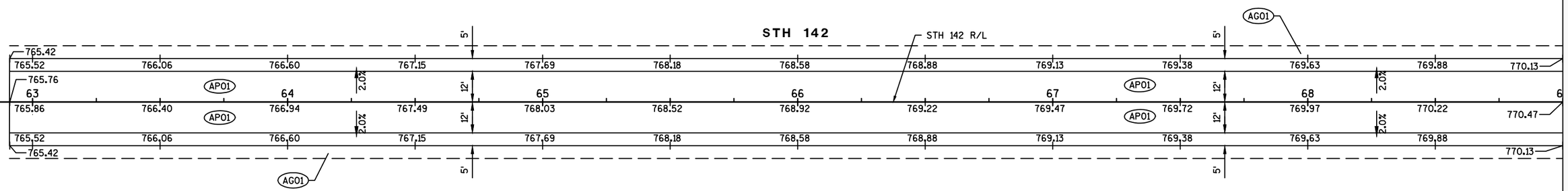
DIRECTION OF DRAINAGE

SPLITTER ISLAND DETAIL

NOTES:

1. ALL CURB & GUTTER RADII ARE MEASURED TO THE CURB FLANGE.
2. SEE CURB ALIGNMENT PLAN FOR PATH AND CURB & GUTTER LAYOUT INFORMATION.
3. ELEVATIONS ARE SHOWN AT CURB FLANGE OR EDGE OF DRIVING LANE UNLESS OTHERWISE NOTED.



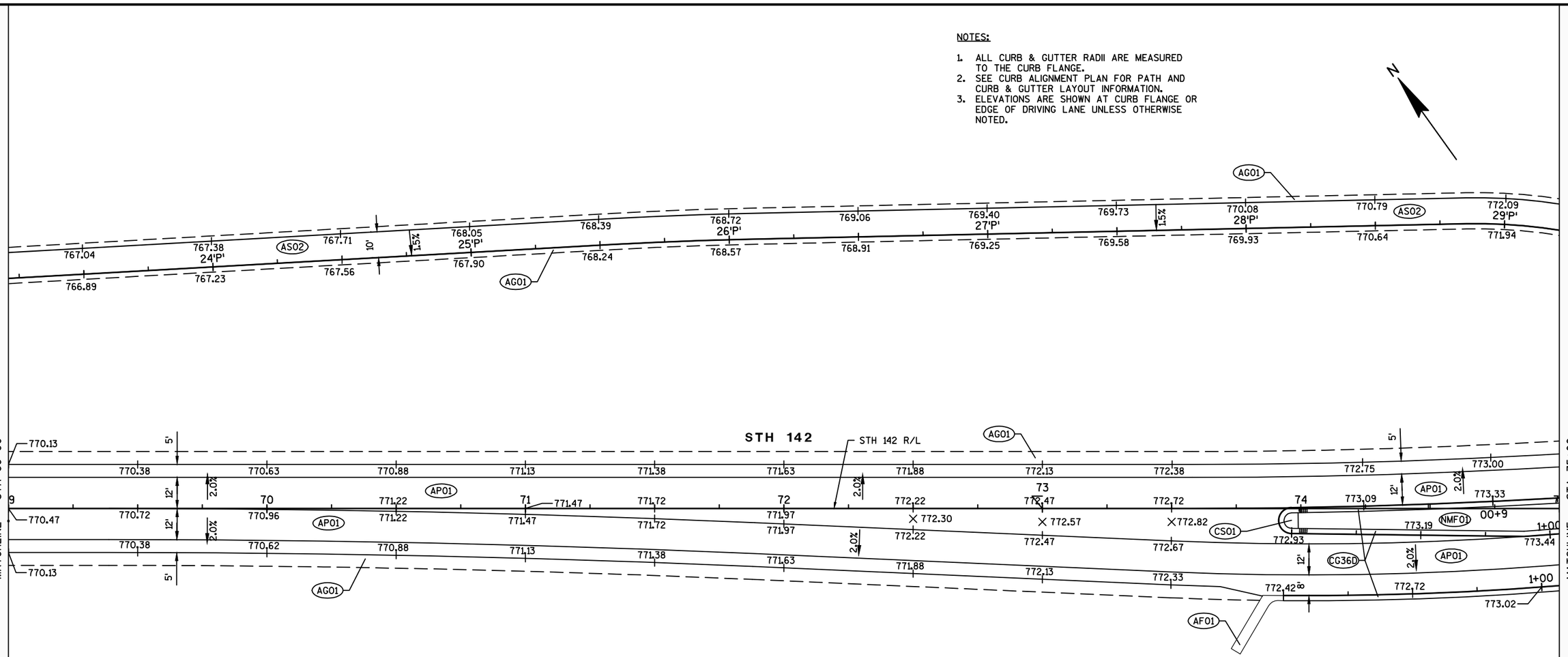


AF01	ASPHALTIC FLUME
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP01	HMA PAVEMENT 4LT58-28S, 1.75-INCH ON HMA PAVEMENT 3LT58-28S, 3-INCH
AS01	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
AS02	ASPHALTIC SURFACE, 3-INCH
CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE)
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG36D	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
CG36T	CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE T
CP01	CONCRETE CURB PEDESTRIAN
CR02	CURB RAMP TYPE 2
CR03	CURB RAMP TYPE 3
CR05	CURB RAMP TYPE 5
CR07B	CURB RAMP TYPE 7B
CS01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CS02	CONCRETE MEDIAN SLOPED NOSE TYPE 2
MR01	MAINTENANCE RAMP
NMF01	NO MOW FESCUE
SL01	SOD LAWN
SW04	CONCRETE SIDEWALK 4-INCH
SW05	CONCRETE SIDEWALK 5-INCH
TA12	CONCRETE TRUCK APRON 12-INCH (RED)
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
(E)	EXISTING GRADE
XXXX	SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVING DETAILS: STH 142	SCALE, FEET 0 20 40	SHEET 28	E

NOTES:

1. ALL CURB & GUTTER RADII ARE MEASURED TO THE CURB FLANGE.
2. SEE CURB ALIGNMENT PLAN FOR PATH AND CURB & GUTTER LAYOUT INFORMATION.
3. ELEVATIONS ARE SHOWN AT CURB FLANGE OR EDGE OF DRIVING LANE UNLESS OTHERWISE NOTED.



AF01	ASPHALTIC FLUME
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP01	HMA PAVEMENT 4LT58-28S, 1.75-INCH ON HMA PAVEMENT 3LT58-28S, 3-INCH
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CG18A	CONCRETE CURB & GUTTER 18-INCH TYPE A (REVERSE SLOPE)
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CS02	CONCRETE MEDIAN SLOPED NOSE TYPE 2
MR01	MAINTENANCE RAMP
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SW04	CONCRETE SIDEWALK 4-INCH
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TA12	CONCRETE TRUCK APRON 12-INCH (RED)
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
(E)	EXISTING GRADE
XXXX	SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVING DETAILS: STH 142	SCALE, FEET 0 20 40	SHEET 29	E

NOTES:

1. ALL CURB & GUTTER RADII ARE MEASURED TO THE CURB FLANGE.
2. SEE CURB ALIGNMENT PLAN FOR PATH AND CURB & GUTTER LAYOUT INFORMATION.
3. ELEVATIONS ARE SHOWN AT CURB FLANGE OR EDGE OF DRIVING LANE UNLESS OTHERWISE NOTED.

SEE PREVIOUS OR NEXT SHEET FOR PAVING DETAIL LEGEND

MATCHLINE STA 10+50

McCANNA PKWY

McCANNA PKWY C/L

STH 142

WHITE RIVER STATE TRAIL

WHITE RIVER STATE TRAIL C/L

STH 142 R/L

TRANSITION FROM CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB & GUTTER 30-INCH TYPE D OVER 10 FEET. PAID AS CONCRETE CURB & GUTER 4-INCH SLOPED 36-INCH TYPE D.

BP: 80+58.83

MATCHLINE STA 75+00

MATCHLINE STA 81+00

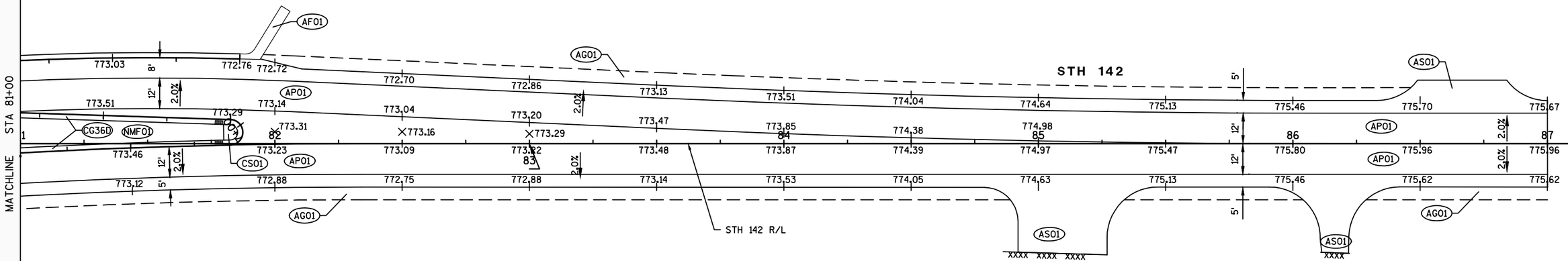
MATCHLINE STA 204+00

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVING DETAILS: STH 142	SCALE, FEET 0 20 40	SHEET 30	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\021201_PD.DWG PLOT DATE : 9/28/2016 10:39 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : 1:40_XREF

NOTES:

1. ALL CURB & GUTTER RADII ARE MEASURED TO THE CURB FLANGE.
2. SEE CURB ALIGNMENT PLAN FOR PATH AND CURB & GUTTER LAYOUT INFORMATION.
3. ELEVATIONS ARE SHOWN AT CURB FLANGE OR EDGE OF DRIVING LANE UNLESS OTHERWISE NOTED.



AF01	ASPHALTIC FLUME
AG01	BASE AGGREGATE DENSE 3/4-INCH
AP01	HMA PAVEMENT 4LT58-28S, 1.75-INCH ON HMA PAVEMENT 3LT58-28S, 3-INCH
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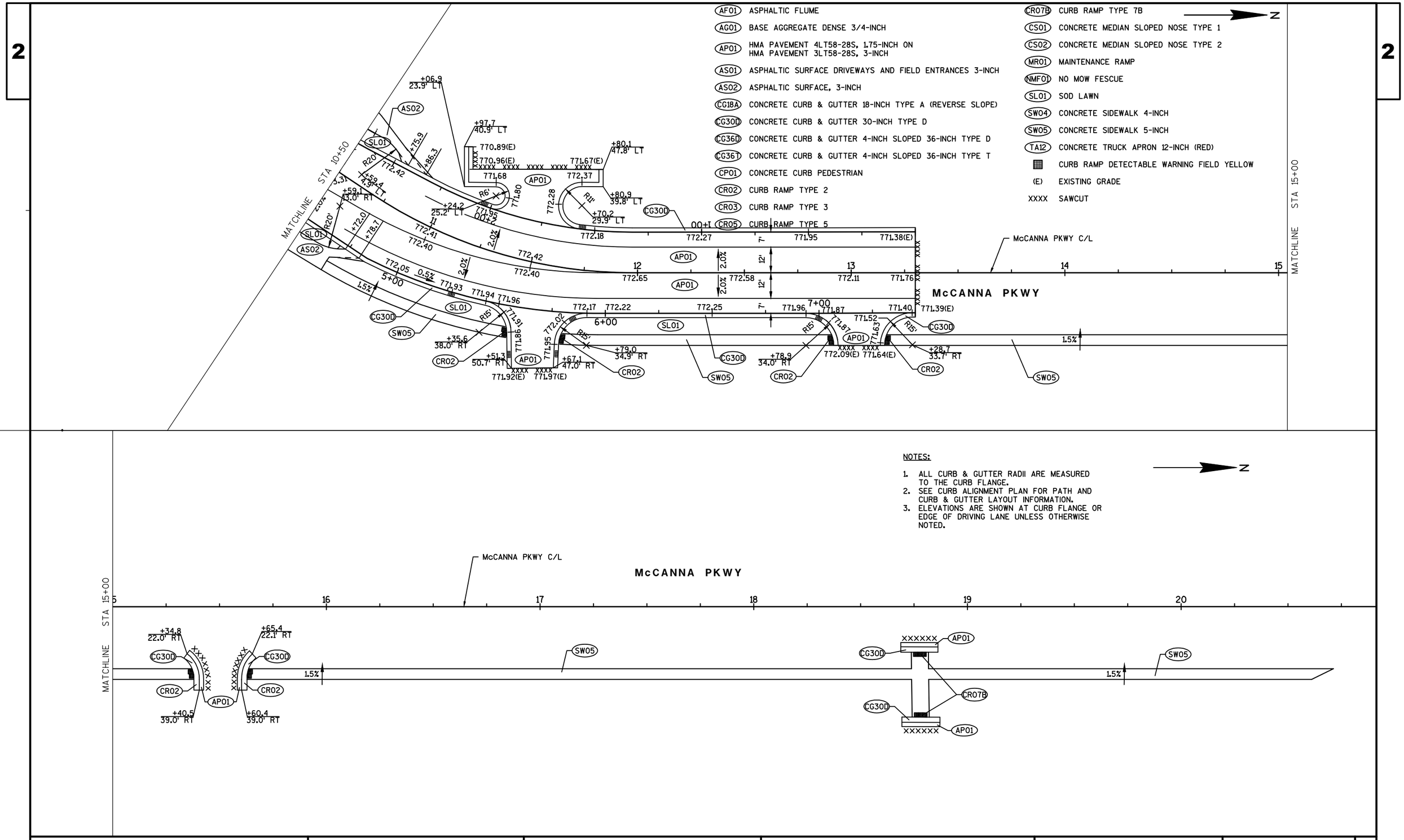
TA12	CONCRETE TRUCK APRON 12-INCH (RED)
	CURB RAMP DETECTABLE WARNING FIELD YELLOW
(E)	EXISTING GRADE
XXXX	SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVING DETAILS: STH 142	SCALE, FEET 0 20 40	SHEET 31	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVING DETAILS: McCANNA PKWY	SCALE, FEET 0 20 40	SHEET 32	E

2

N

SI

+80.69, -55.26' LT

ASPHALT CE

+63.78, -64.65' LT

PI: 4+43.58

+55.36, -29.00'

+05.33, -29.00' LT

+79.50, 36.34' LT
5' R

+29.47, -35.34' LT
5' R

+82.73, -29.00' LT

+28.17, -29.02' LT

+92.66, -17.45' LT

GRAVEL PE

1'

5'

2'

17'

12'

89+00

90+00

91+00

92+00

93+00

94+00

STH 142

+56.59, 17.00' RT

+19.08, 12.00' RT

+32.08, 29.00' RT

+29.08, 29.00' RT

773.97 773.70 773.40 773.19 772.91 772.80 773.09 773.82 774.18 774.63 775.27 775.90

772.47 772.62 773.83

+61.80, 29.00' RT

+61.80, 17.00

STH 142, STA 93+05.77 =
BREVER RD, STA 3+95.94

STH 142, STA 93+61.80, 69.00' RT
BREVER RD, STA 3+26.12, 55.00' RT

+21.83, 70.49' RT

SI

60' R

40' R

DRIVEWAY TO BE REMOVED

BERM

STH 142, STA 92+29.08, 89.00' RT
BREVER RD, STA 3+08.09, 78.00' LT

+08.20, -18.00' LT

BREVER RD, STA 3+08.20, 58.00' LT
DRWY, STA 3+35.44, 60.00' LT

+35.44, -20.00' LT

+29.21, -20.00' LT

PC: 2+18.92

150' R

PT: 2+53.92

+49.59, -20.05' LT

FP: 3+95.72

3+00

+56.55, -24.14' LT

BP: 0+00.00

2+00

1+00

QUARRY DRWY

+52.82, 15.00' RT

+07.45, 16.27' RT

150' R

SI

PT: 2+42.24

775.32

775.97

776.52

+46.76, 15.00' RT

40' R

BREVER RD, STA 2+01.58, 55.00' LT
DRWY, STA 3+46.76, 65.00' RT

+01.58, -15.00' LT

BREVER RD, STA 2+45.99 =
DRWY, STA 3+95.72

+73.67, -15.01' LT

+42.63, -12.01' LT

PC: 1+38.87

BREVER RD.

MATCH LINE
STA 1+00

MATCH EXISTING
BP: 0+00.00

LEGEND

XXX SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - BREVER RD.	SHEET 33	E

2

2

N

-64.65' LT

SI

95+00.00 PI

+55.36, -29.00' LT

+64.95, -17.43' LT

2'

17'

12'

12'

1'

5'

12'

12'

5'

1'

XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX

94+00 95+00 96+00 97+00 98+00 99+00 100+00

STH 142

.00' RT

+61.80, 17.00' RT

SI

XXX

ASPHALT PE

RT

LEGEND

XXX SAWCUT

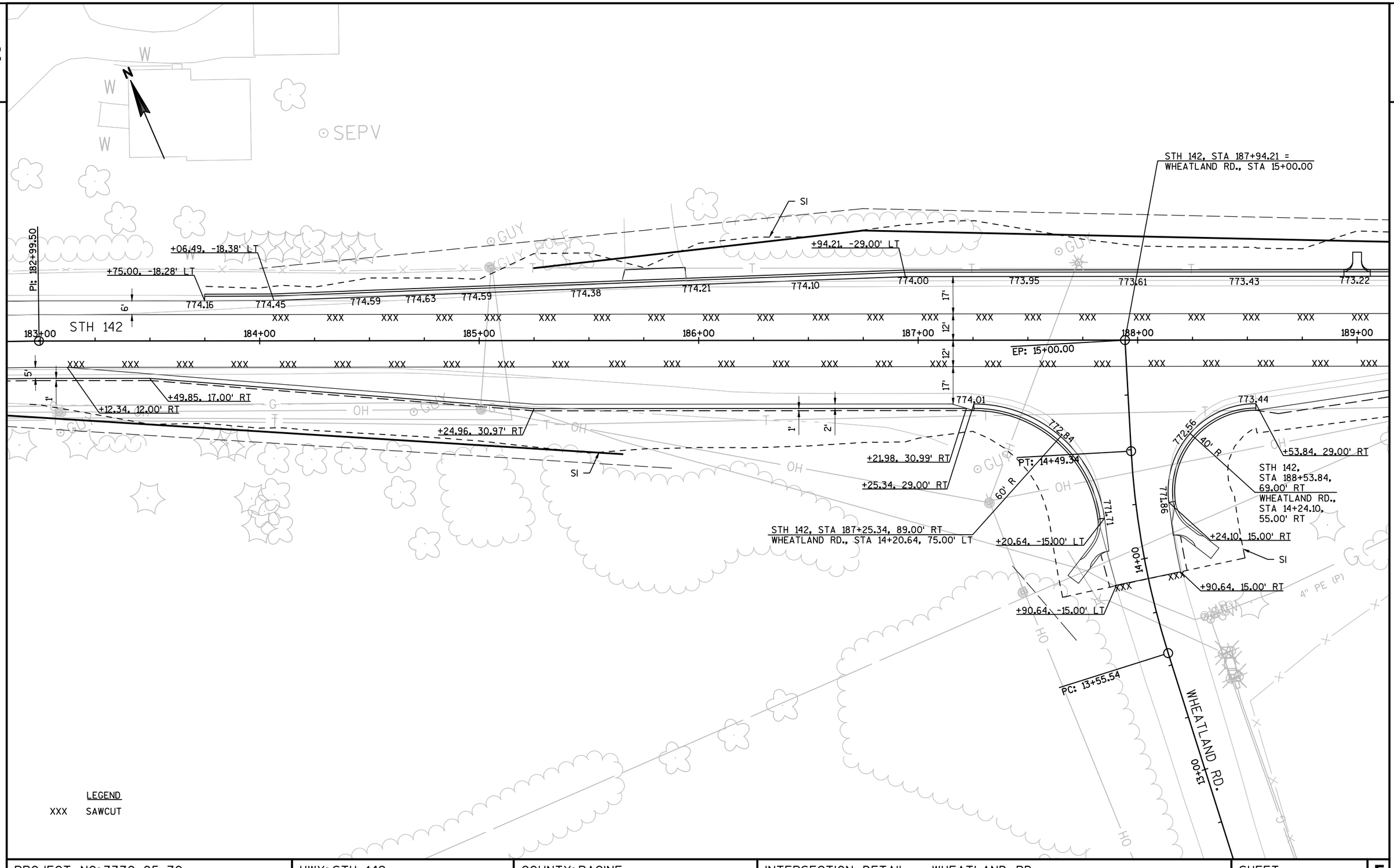
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - BREVER RD.	SHEET 34	E

FILE NAME : N:\PDS\C3D\CAD\33700500\021100_ID.DWG
LAYOUT NAME - ****

PLOT DATE : 10/6/2016 2:29 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 42

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - WHEATLAND RD.	SHEET 35	E

2

ARCHAEOLOGICAL SITE
#BRA-0043

SI

+44.21, -29.00' LT

+75.22, -21.76' LT

+61.49, -16.99' LT

773.22

773.27

773.40

773.71

773.75

17'

12'

12'

XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX

189+00 190+00 191+00 192+00 193+00 194+00 195+00

PI: 194+66.29

STH 142

5'

1'

4" PE (P)

XXX XXX XXX

+53.84, 17.00' RT

SI

29.00' RT

RUINS

FLAG

W

OH

OMP

LEGEND

XXX SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - WHEATLAND RD.	SHEET 36	E

FILE NAME : N:\PDS\C3D\CAD\33700500\021100_ID.DWG
LAYOUT NAME - ****

PLOT DATE : 10/6/2016 2:29 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : **********

2

2

STH 142, STA 233+86.21 =
WOMACK LN., STA 20+00.00

SI

+61.12, -17.00' LT

+86.21, -29.00' LT

Pi: 228+98.57

Pi: 233+98.37

228+00

230+00

231+00

232+00

233+00

234+00

EP: 20+00.00

STH 142

+86.96, 12.00' RT

+24.07, 17.00' RT

+99.89, 31.00' RT

SI

+84.51, 31.00' RT

+00.00, 29.00' RT

780.24

780.37

780.77

780.71

780.65

780.48

+41.45, 29.00' RT

60' R

STH 142,
STA 234+41.45,
69.00' RT
WOMACK LN.,
STA 19+30.81,
55.00' RT

+30.81, 15.00' RT

STH 142, STA 233+11.51, 89.00' RT
WOMACK LN., STA 19+11.25, 75.00' LT

+11.25, -15.00' LT

+25.00, -10.00' LT

+25.00, 10.00' RT

19+00

18+00

WOMACK LN.

LEGEND

XXX SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - WOMACK LN.	SHEET 37	E

FILE NAME : N:\PDS\C3D\CAD\33700500\021100_ID.DWG
LAYOUT NAME - ****

PLOT DATE : 10/6/2016 2:29 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : **********

2

2

N

SI

+36.21, -29.00' LT

+53.35, -17.00' LT

2'

17'

12'

12'

XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX XXX

235+00 236+00 237+00 238+00 239+00 240+00

STH 142

1'

5'

5'

1'

+41.45, 17.00' RT

29.00' RT

SI

X X X

15.00' RT

G T OH GUY SIGN

LEGEND

XXX SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - WOMACK LN.	SHEET 38	E

FILE NAME : N:\PDS\C3D\CAD\33700500\021100_ID.DWG
LAYOUT NAME - ****

PLOT DATE : 10/6/2016 2:30 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : **********

2

2

N

STH 142

253+00

254+00

255+00

256+00

257+00

258+00

259+00

10+00

EP: 10+00.69

STH 142, STA 257+82.32 =
SHAGBARK LN., STA 10+00.69

PI: 255+15.25

+55.51, -16.99' LT

+80.87, -29.00' LT

+37.23, 17.00' RT

+98.61, 12.00' RT

+11.97, 31.00' RT

+07.99, 30.99' RT

+11.38, 29.00' RT

774.83

774.12

774.19

775.10

+40.59, 28.99' RT

774.13

774.03

+28.21, 15.00' RT

STH 142, STA 258+40.60,
69.00' RT
SHAGBARK LN., STA 9+29.05,
55.00' RT

STH 142, STA 257+11.38, 89.00' RT
SHAGBARK LN., STA 9+15.09, 75.00' LT

+14.58, -15.00' LT

PT: 9+07.11

9+00

+36.58, 11.21' RT

PC: 8+37.04

+36.58, -10.58' LT

8+00

SHAGBARK LN.

60' R

40' R

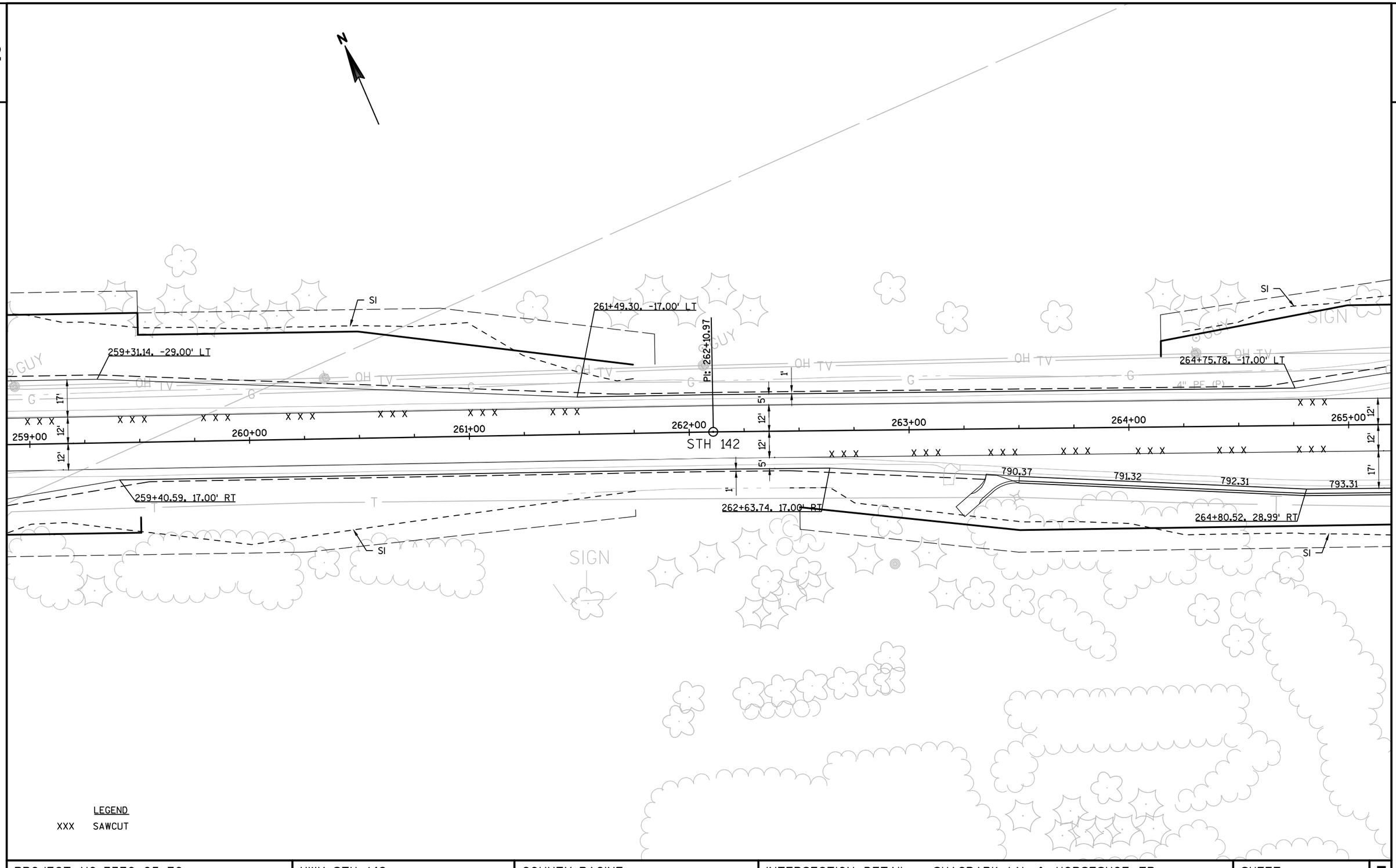
SI

LEGEND

XXX SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - SHAGBARK LN.	SHEET 39	E

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - SHAGBARK LN. & HORSESHOE TR.	SHEET 40	E

2

HORSESHOE TRAIL

12+00

11+00

PI: 266+30.74

11+59.50, -11.82' LT

11+60.08, 9.91' RT

PC: 11+61.64

SI

10+68.73, -15.00' LT

10+88.39, 15.00' RT

STH 142, STA 265+76.18,
68.60' LT
HORSESHOE TR., STA 10+68.57,
54.60' LT

STH 142, STA 267+05.02, 89.00' LT
HORSESHOE TR., STA 10+88.39, 75.00' RT

795.42

795.55

40' R

60' R

265+75.78, -29.00' LT

267+05.02, -29.00' LT

795.22

795.43

795.00

795.27

269+05.13, -31.00' LT

271+18.02, -12.00' LT

270+80.51, -17.00' LT

1'

2'

17'

12'

265+00

266+00

267+00

268+00

269+00

270+00

271+00

BP: 10+00.00

STH 142

793.31

794.44

795.40

795.69

795.30

794.92

794.80

794.45

794.80

795.36

795.68

269+75.00, 19.98' RT

267+30.74, 29.00' RT

STH 142, STA 266+30.74 =
HORSESHOE TR., STA 10+00.00

LEGEND

XXX SAWCUT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - HORSESHOE TR.	SHEET 41	E

2

LEGEND
XXX SAWCUT

N

TANKS

CTH J

STH 142

12+50.00, 10.00' RT
12+50.00, -10.00' LT
11+65.39, 10.00' RT
11+65.39, -10.00' LT
10+69.26, -18.50' LT
2.5' R
11+21.51, -15.00' LT
STH 142, STA 285+08.48, 69.00' LT
CTH J, STA 11+21.51, 55.00' LT
+75.34, 14.99' RT
10+65.43, 15.00' RT
STH 142, STA 286+57.89, 109.00' LT
CTH J, STA 10+65.43, 95.00' RT
286+57.89, -29.00' LT
287+25.00, -29.00' LT
284+09.17, -17.00' LT
285+08.48, -29.00' LT
PC: 283+03.71
285+63.16, -20.26' LT
2.5' R
285+83.34, -21.25' LT
2.5' R
+79.99, 17.00' RT
281+43.83, 12.00' RT
283+57.05, 31.00' RT
+53.62, 30.96' RT
285+57.14, 29.00' RT
286+60.40, 21.37' RT
2.5' R
286+88.20, 20.43' RT
2.5' R
287+46.61, 29.00' RT
9+20.78, 18.50' RT
2.5' R
9+10.98, -15.00' LT
8+69.43, 15.00' RT
+59.43, 14.52' RT
36" DIAMETER CANTILEVER
OVERHEAD SIGN SUPPORT BASE
13' DEEP FOOTING
STH 142, 286+20.98 =
CTH J, STA 10+00.00
STH 142, STA 285+57.14, 154.00' RT
CTH J, STA 9+10.98, 140.00' LT
STH 142,
STA 287+46.61,
69.00' RT
CTH J,
STA 8+69.43,
55.00' RT
8+19.43, 11.00' RT
8+19.43, -11.00' LT
7+69.43, 11.00' RT
7+69.43, -11.00' LT
MATCH LINE
STA 8+25

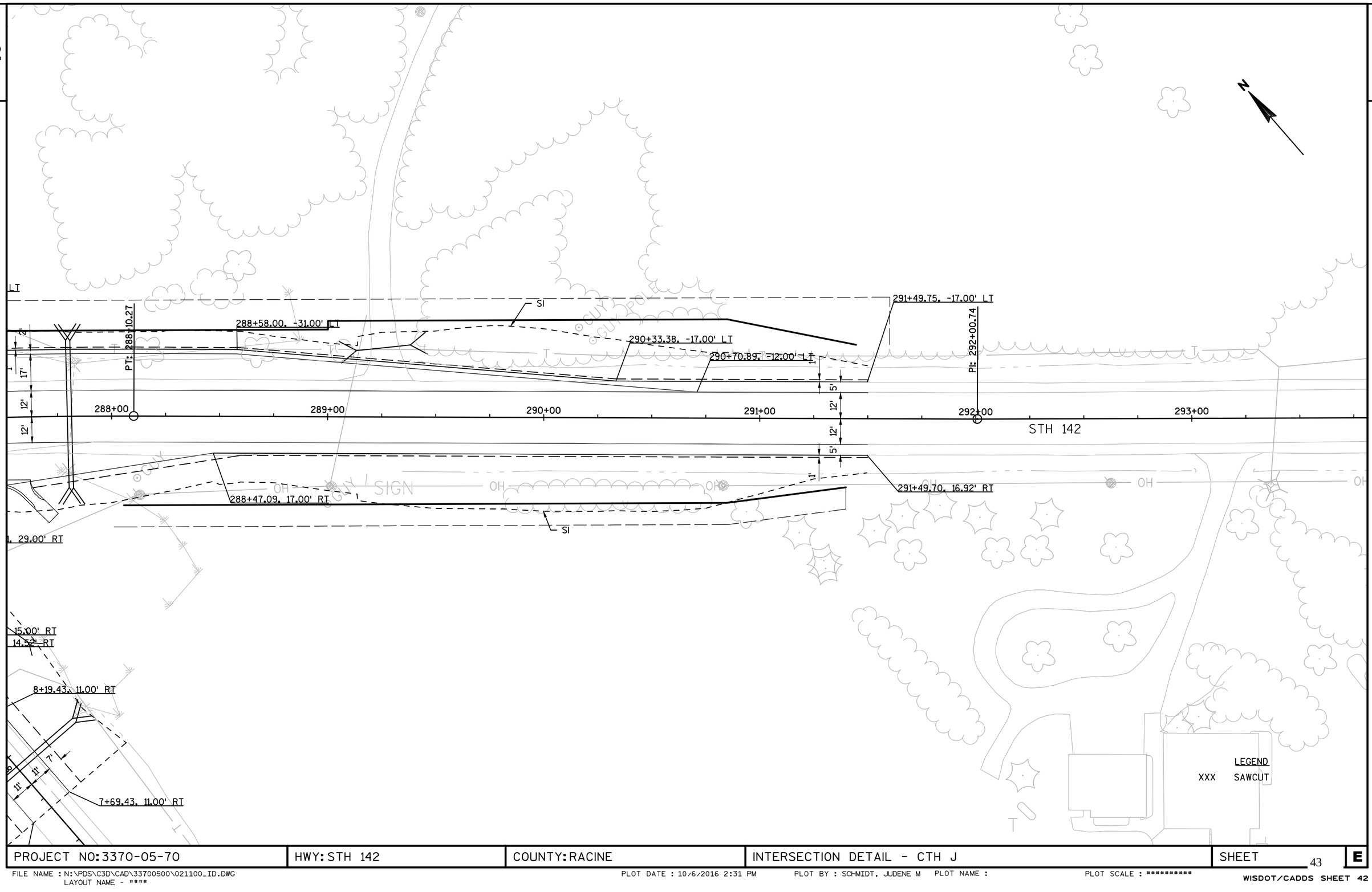
819.71 819.21 819.65 819.60 819.91 820.29 820.12 820.40 820.07 819.41 819.22 818.38 817.99 817.76 819.50 818.76 818.01 818.05 817.64 817.58 817.60 817.54 817.95 817.45 817.13 817.20 817.01

50' R
40' R
80' R
125' R
R: 10+00.00

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - CTH J	SHEET 42	E

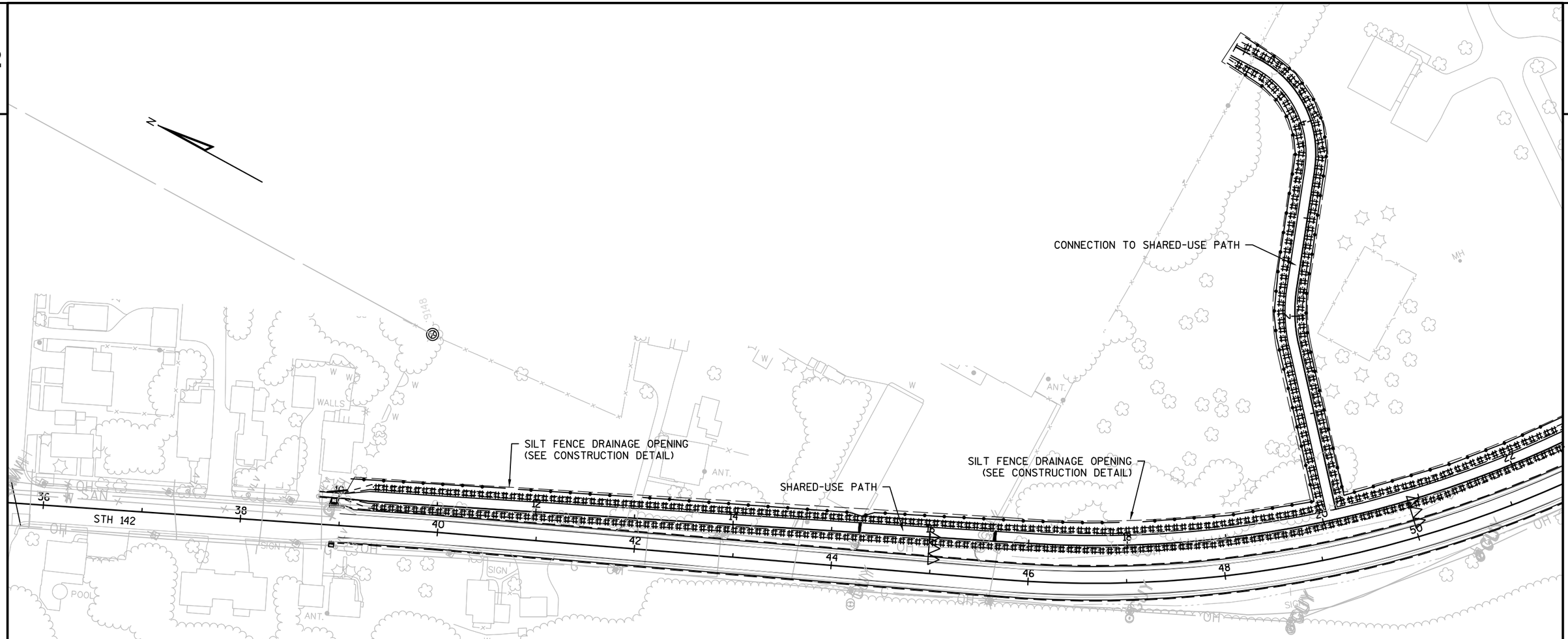
FILE NAME : N:\PDS\C3D\CAD\33700500\021100_ID.DWG
LAYOUT NAME - ****
PLOT DATE : 10/6/2016 2:30 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 42

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	INTERSECTION DETAIL - CTH J	SHEET 43	E

2



LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 44	E

2

2

SILT FENCE DRAINAGE OPENING
(SEE CONSTRUCTION DETAIL)

SHARED-USE PATH

ATHLETIC FIELD

ATHLETIC FIELD

BLEACHERS

ATHLETIC FIELD

MH

STH 142

PLAYGROUND

FOOTBRIDGE

22 24 26 28 30 32 52 54 56 58 60 62 64 66

FO

OH

G

E

LEGEND

RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)

EROSION MAT CLASS 1 TYPE B

EROSION MAT URBAN CLASS 1 TYPE B

INLET PROTECTION TYPE C

SILT FENCE

TEMPORARY DITCH CHECK

CULVERT PIPE CHECK

SLOPE INTERCEPT

FLOW ARROW

WETLAND BOUNDARY

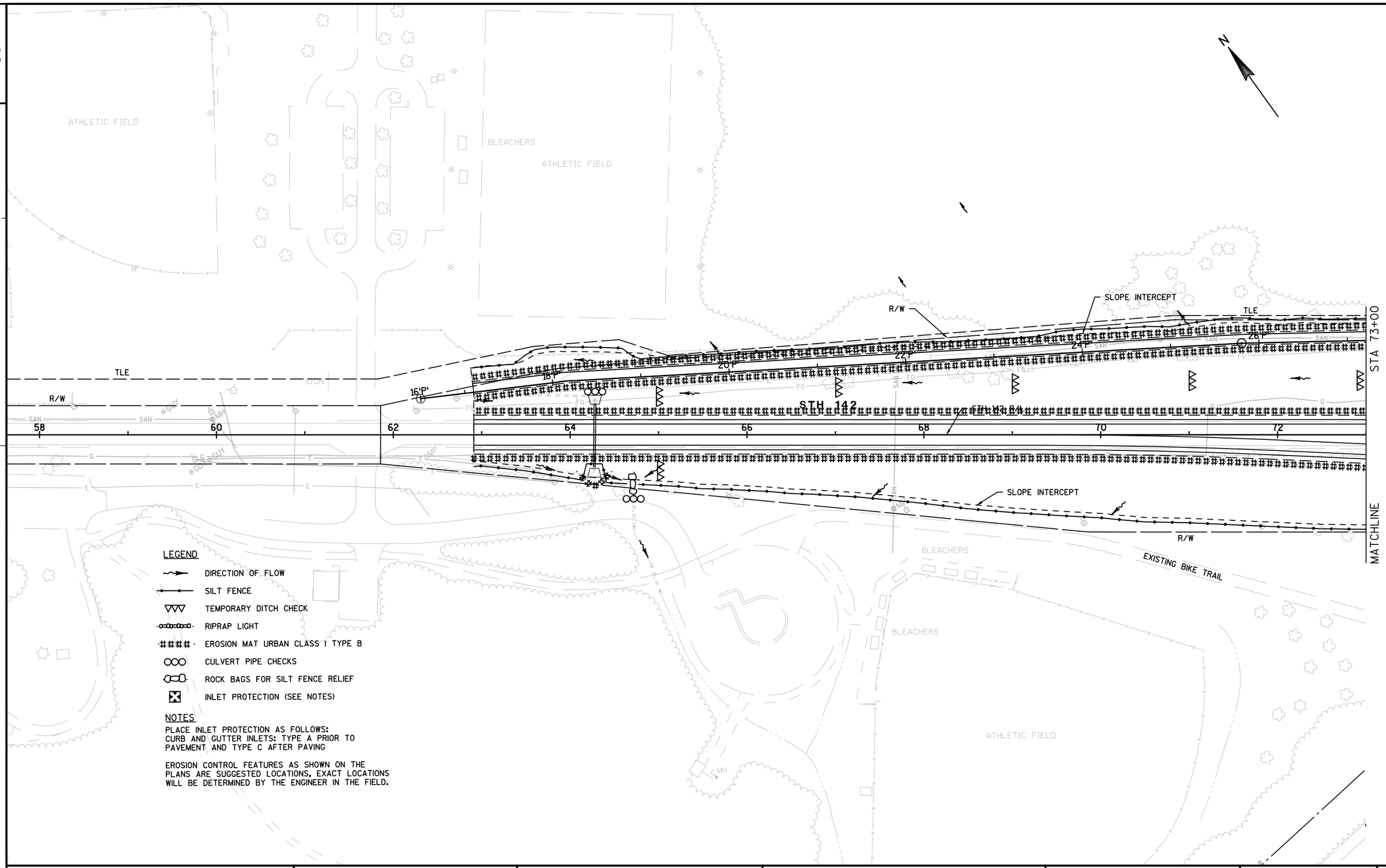
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 45	E

FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (02)_EC

PLOT DATE : 10/20/2016 2:41 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND

- DIRECTION OF FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- RIPRAP LIGHT
- EROSION MAT URBAN CLASS I TYPE B
- CULVERT PIPE CHECKS
- ROCK BAGS FOR SILT FENCE RELIEF
- INLET PROTECTION (SEE NOTES)

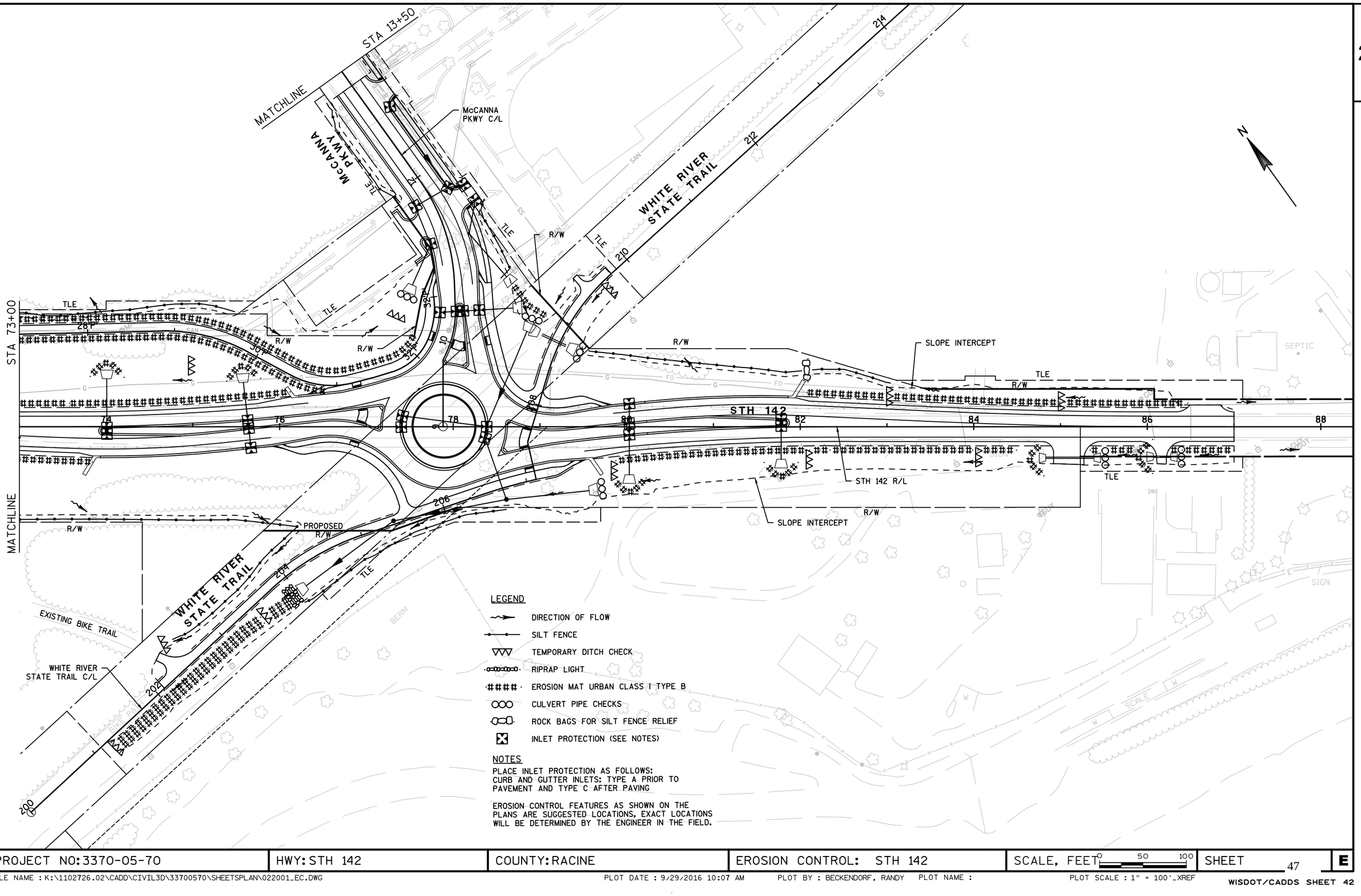
NOTES

PLACE INLET PROTECTION AS FOLLOWS:
CURB AND GUTTER INLETS: TYPE A PRIOR TO PAVEMENT AND TYPE C AFTER PAVING

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL: STH 142	SCALE, FEET 0 50 100	SHEET 46	E

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL: STH 142	SCALE, FEET 0 50 100	SHEET 47	E

2

2

LEGEND

- DIRECTION OF FLOW
- SILT FENCE
- TEMPORARY DITCH CHECK
- RIPRAP LIGHT
- EROSION MAT URBAN CLASS I TYPE B
- CULVERT PIPE CHECKS
- ROCK BAGS FOR SILT FENCE RELIEF
- INLET PROTECTION (SEE NOTES)

NOTES

PLACE INLET PROTECTION AS FOLLOWS:
CURB AND GUTTER INLETS: TYPE A PRIOR TO PAVEMENT AND TYPE C AFTER PAVING

EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

N

STA 13+50

MATCHLINE

McCANNA PKWY R/L

R/W

14 16 McCANNA PARKWAY 18 20 22 24

TLE R/W TLE

SLOPE INTERCEPT

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL: McCANNA PKWY	SCALE, FEET 0 50 100	SHEET 48	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\022001_EC.DWG PLOT DATE : 9/29/2016 10:07 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2

SILT FENCE DRAINAGE OPENING
(SEE CONSTRUCTION DETAIL)

SILT FENCE DRAINAGE OPENING
(SEE CONSTRUCTION DETAIL)

88 90 92 94 96 98 100 102

STH 142

BERM

SIGN

QUARRY DRIVEWAY

SILT FENCE DRAINAGE OPENING
(SEE CONSTRUCTION DETAIL)

BREVER ROAD

QUARRY

ANT.

SEPTIC

POOL

SEPTIC

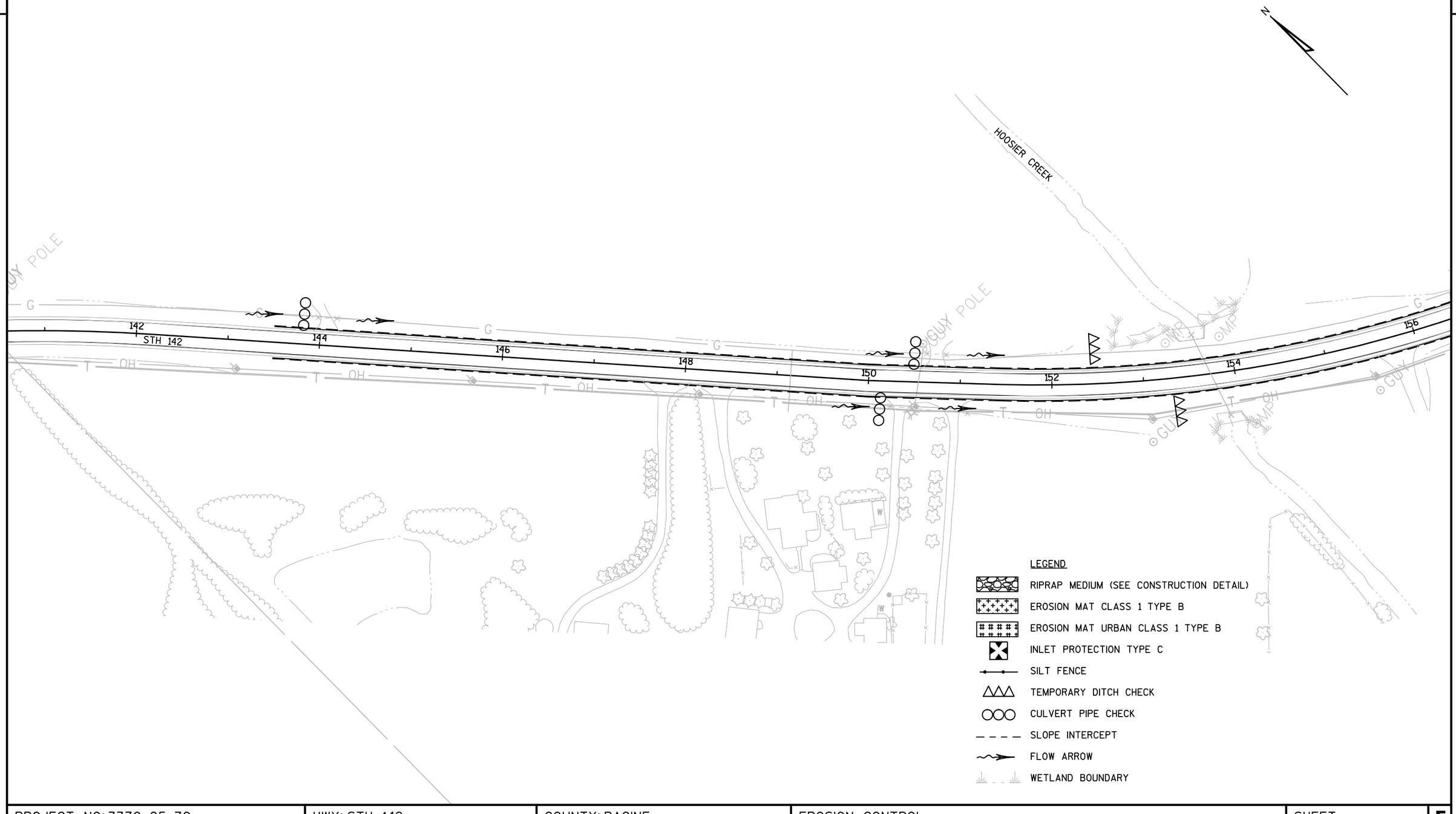
LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 49	E

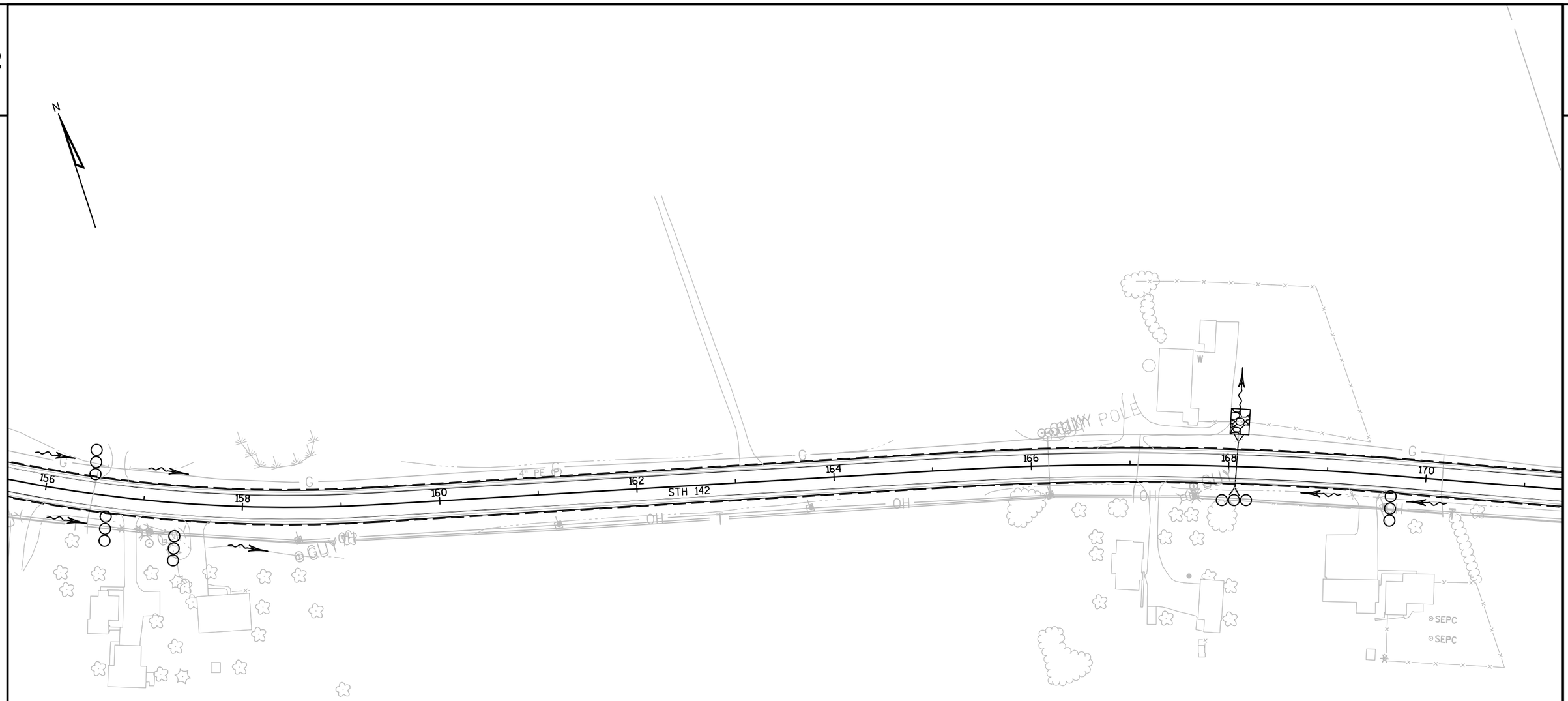
FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (04)_EC
PLOT DATE : 10/20/2016 2:42 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 50	E

2



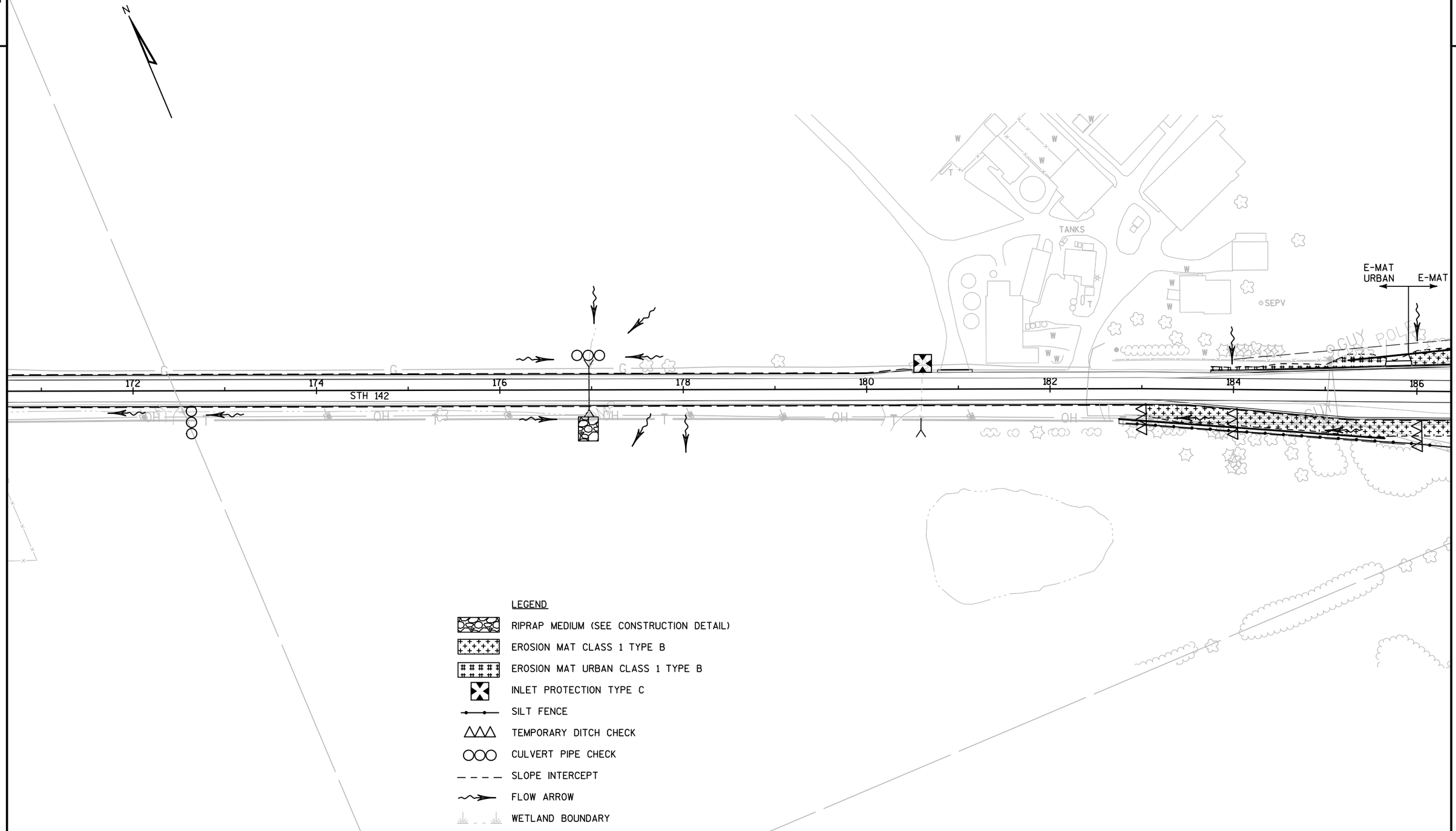
LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 51	E

FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (09)_EC
PLOT DATE : 10/20/2016 2:42 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

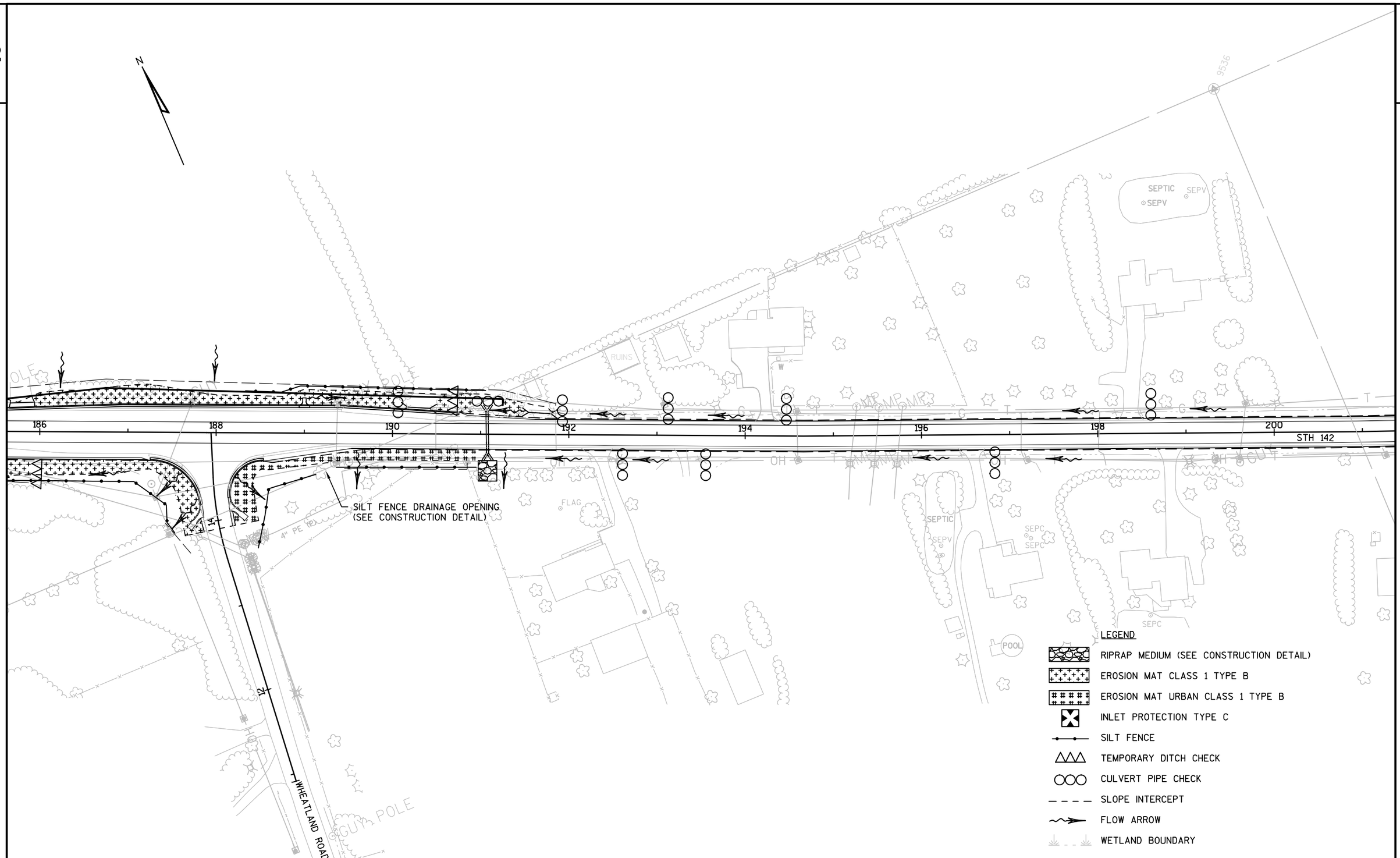
2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 52	E

FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (10)_EC
PLOT DATE : 10/20/2016 2:42 PM
PLOT BY : SCHMIDT, JUDENE M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

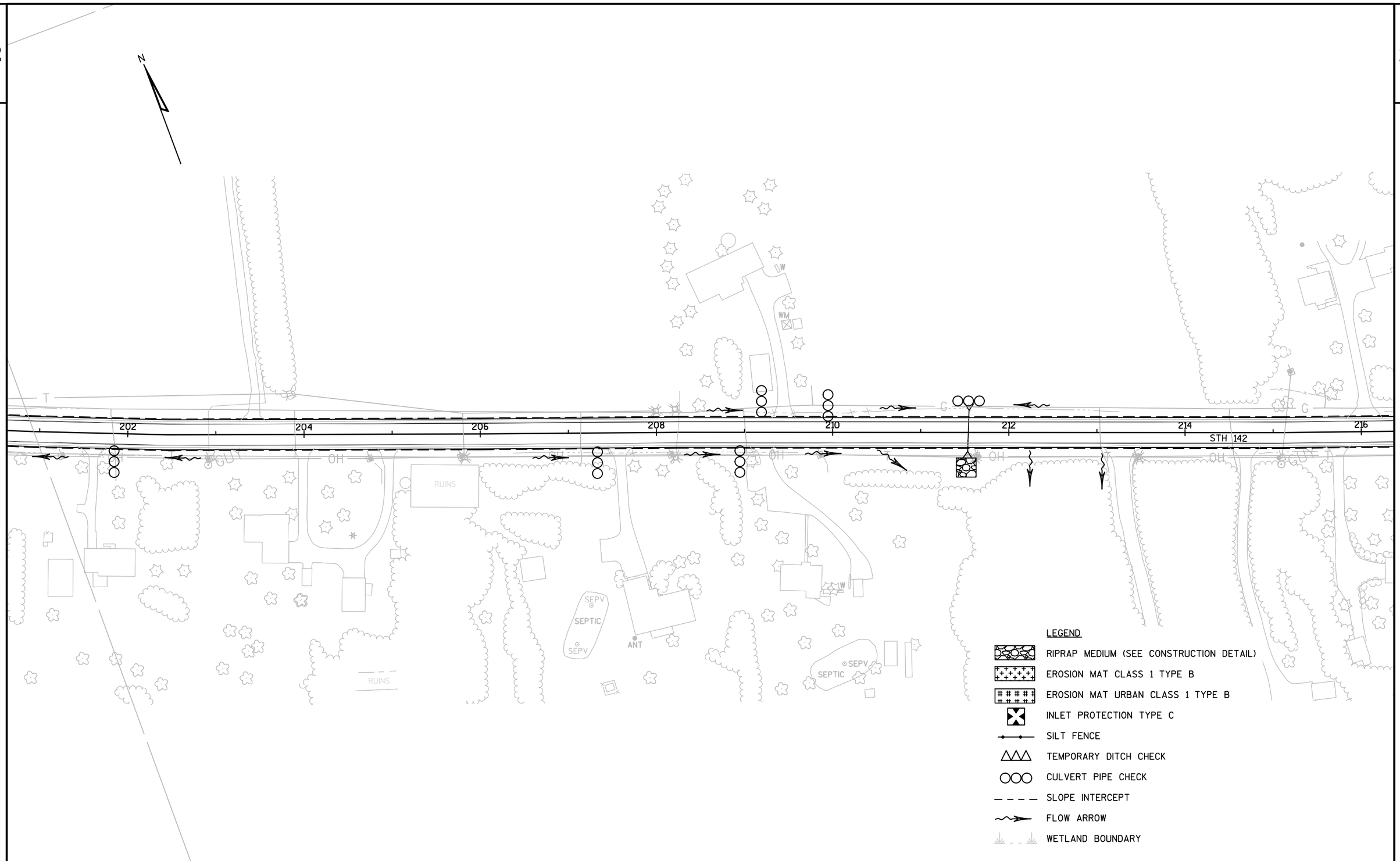
2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 53	E

FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (11)_EC
PLOT DATE : 10/20/2016 2:42 PM
PLOT BY : SCHMIDT, JUDENE M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



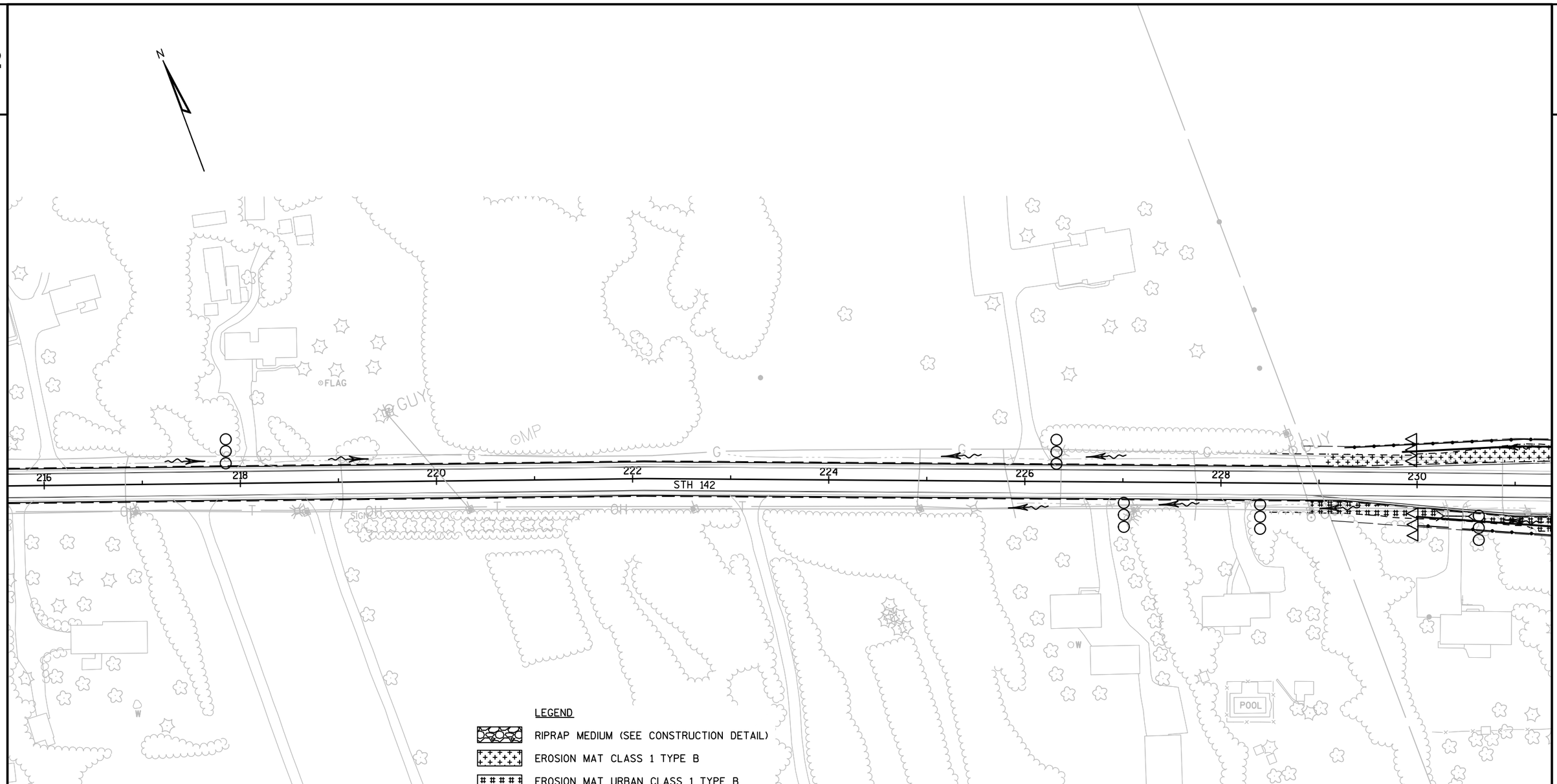
LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 54	E

FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (12)_EC
PLOT DATE : 10/20/2016 2:42 PM
PLOT BY : SCHMIDT, JUDENE M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 55	E

2

N

E-MAT

E-MAT URBAN

232 234 236 238 240 242 244 246

STH 142

WOMACK LANE

SILT FENCE DRAINAGE OPENING
(SEE CONSTRUCTION DETAIL)

ANT

SIGN SIGN

LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 56	E

FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (14)_EC

PLOT DATE : 10/20/2016 2:43 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

N

STH 142

248 250 252 254 256 258 260

SEPV
SEPTIC
SEPV

SILT FENCE DRAINAGE OPENING
(SEE CONSTRUCTION DETAIL)

SHAGBARK LANE

SLAB

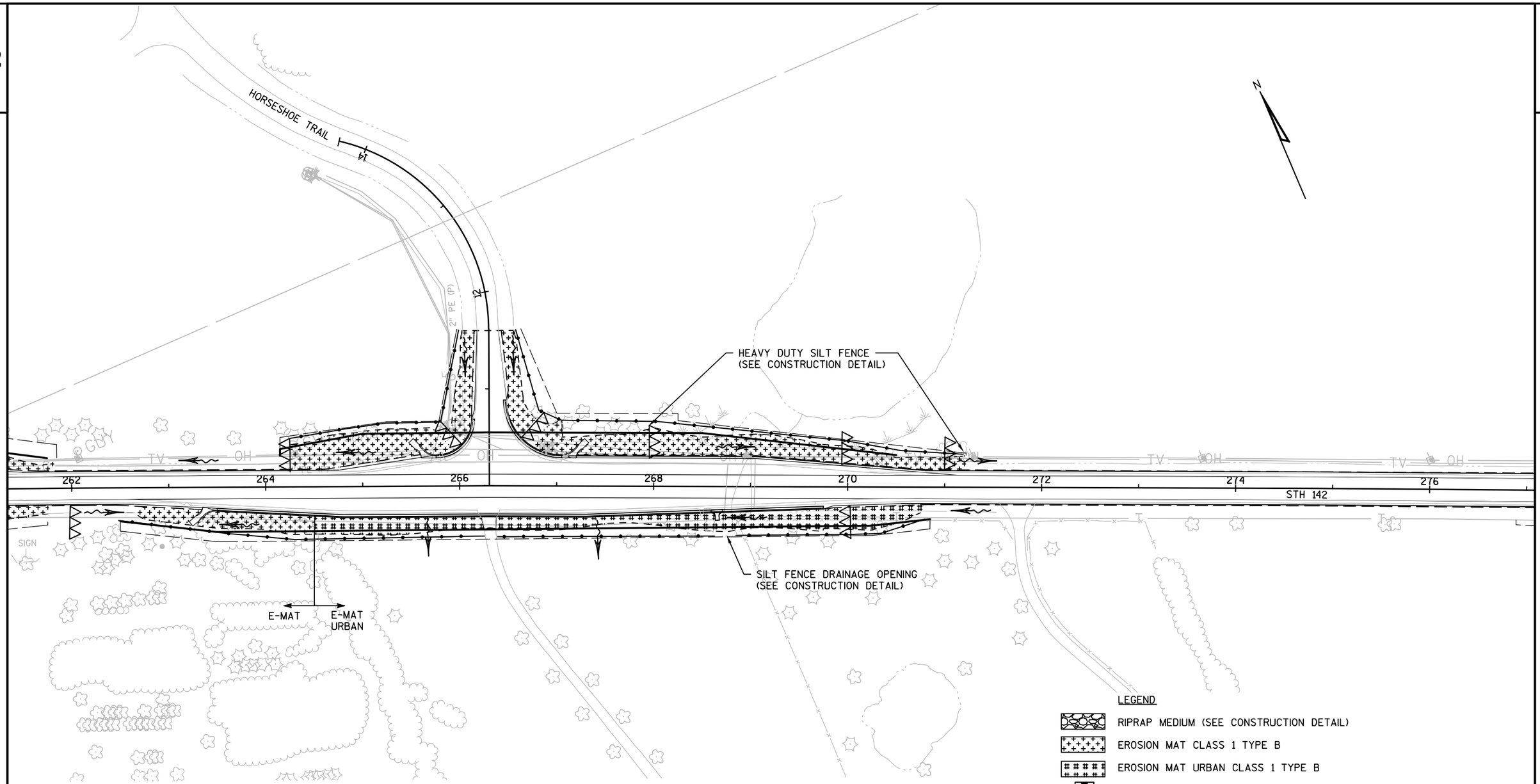
LEGEND

- RIPRAP MEDIUM (SEE CONSTRUCTION DETAIL)
- EROSION MAT CLASS 1 TYPE B
- EROSION MAT URBAN CLASS 1 TYPE B
- INLET PROTECTION TYPE C
- SILT FENCE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SLOPE INTERCEPT
- FLOW ARROW
- WETLAND BOUNDARY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 57	E

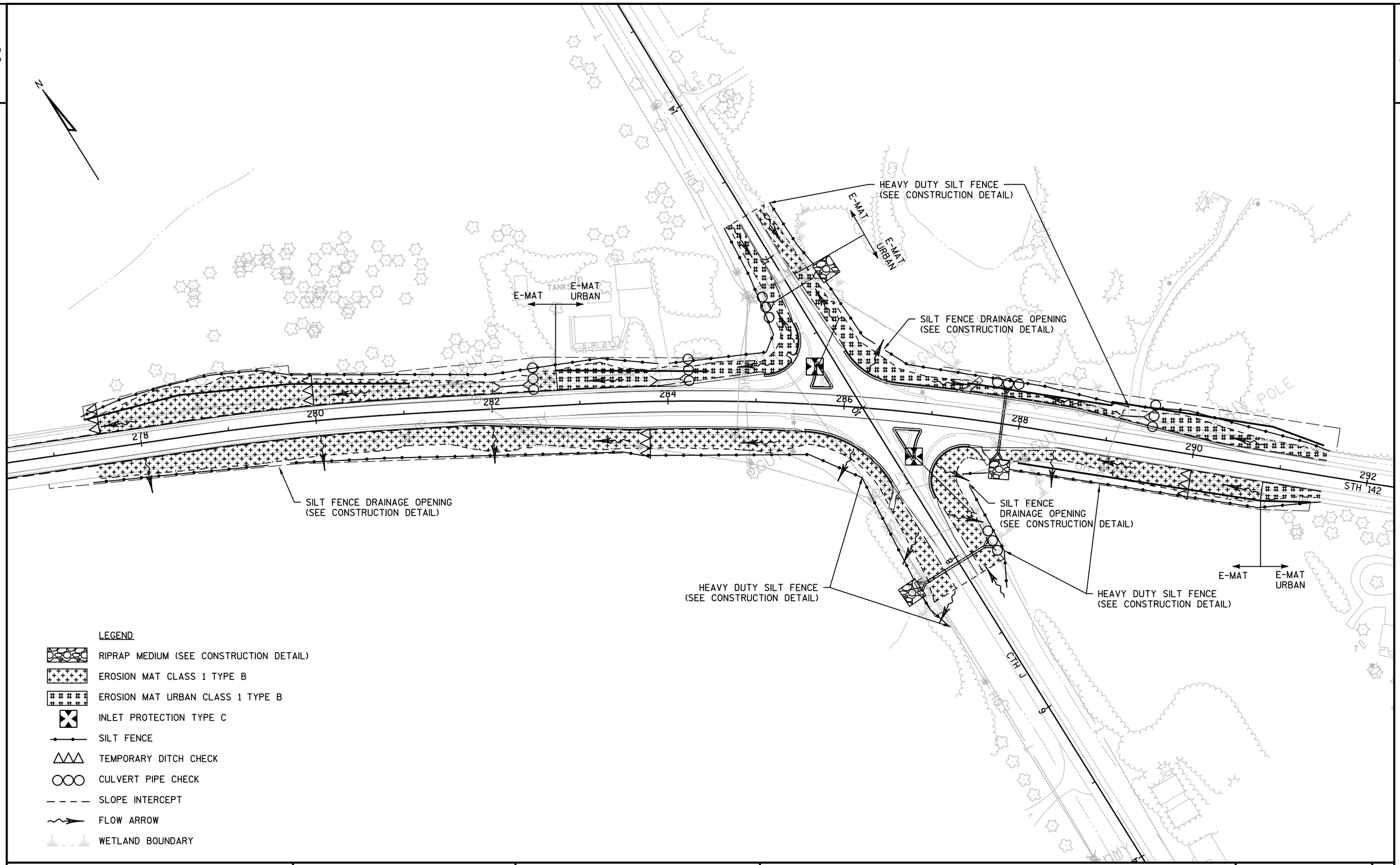
FILE NAME : N:\PDS\C3D\CAD\33700500\022000_EC.DWG
LAYOUT NAME - (15)_EC
PLOT DATE : 10/20/2016 2:43 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 58	E

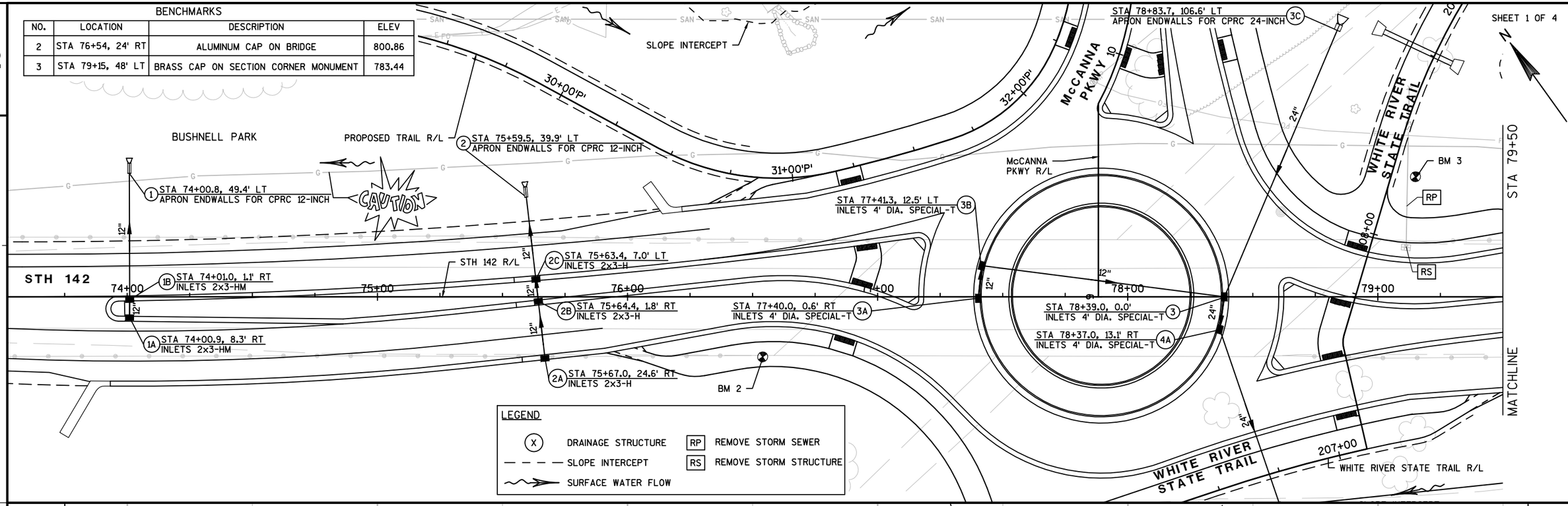
2

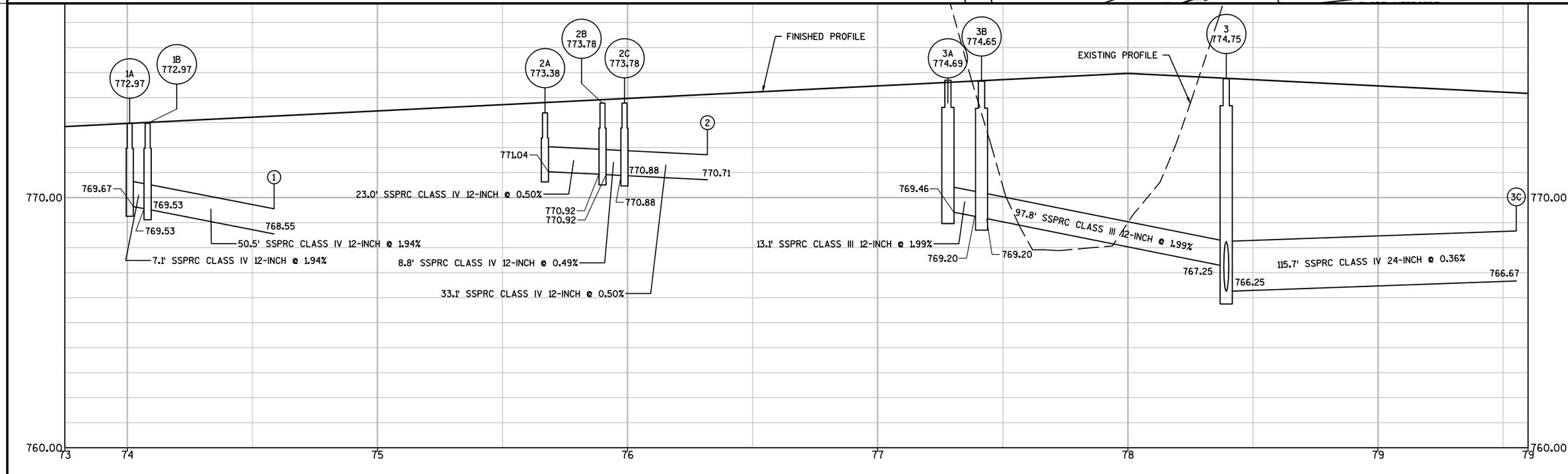


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EROSION CONTROL	SHEET 59	E

BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44





PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	STORM SEWER: STH 142	SHEET 60	E

SHEET 2 OF 4

BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44
4	STA 88+96, 40' RT	ALUMINUM CAP ON FENO MONUMENT	777.70

TOWN OF BURLINGTON

CAUTION

R/W

SLOPE INTERCEPT

WARRENVILLE CORP

TLE

R/W

STA 79+50

BM 3

7A STA 80+03.0, 26.7' LT
INLETS 2x3-H

7B STA 80+03.0, 3.6' LT
INLETS 2x3-H

7C STA 80+03.0, 9.2' RT
INLETS 2x3-H

7 STA 80+03.0, 53.7' RT
APRON ENDWALLS FOR CPRC 12-INCH

STH 142

8A STA 81+78.0, 8.1' LT
INLETS 2x3-HM

8B STA 81+78.0, 0.9' LT
INLETS 2x3-HM

8 STA 81+78.0, 33.5' RT
APRON ENDWALLS FOR CPRC 12-INCH

12"

80+00 81+00 82+00 83+00 84+00 85+00

STH 142 R/L

STA 83+10
REMOVE CONCRETE CATTLE PASS
42' OVERALL LENGTH
3.5' OVERALL WIDTH
5' OVERALL HEIGHT

SIGN

CABC

MATCHLINE

BM 2

SLOPE INTERCEPT

1-18" CPCS
2 APRON
ENDWALLS REQ'D

ASPH

BM 4

WARRENVILLE CORP

7A 773.65
7B 774.06
7C 774.07
8A 773.32
8B 773.32

EXISTING PROFILE

FINISHED PROFILE

769.77
769.77
770.00
769.64
768.68
23.1' SSPRC CLASS IV 12-INCH @ 1.00%
12.8' SSPRC CLASS IV 12-INCH @ 1.00%
769.64
44.5' SSPRC CLASS IV 12-INCH @ 2.16%

769.96
769.87
769.44
7.2' SSPRC CLASS IV 12-INCH @ 1.25%
769.87
34.4' SSPRC CLASS IV 12-INCH @ 1.25%

770.00
760.00

79 80 81 82 83 84

LEGEND

- (X) DRAINAGE STRUCTURE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- RP REMOVE STORM SEWER
- RS REMOVE STORM STRUCTURE

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	STORM SEWER: STH 142	SHEET 61	E

BUSHNELL PARK

SHEET 3 OF 4

N

BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44

LEGEND

- (X) DRAINAGE STRUCTURE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- RP REMOVE STORM SEWER
- RS REMOVE STORM STRUCTURE

BM 2

STH 142 R/L

STH 142

WHITE RIVER STATE TRAIL

BM 3

9A STA 10+35.0, 17.7' LT INLETS 2x3-H

9B STA 10+36.0, 1.5' RT INLETS 2x3-H

9C STA 10+37.0, 8.8' RT INLETS 2x3-H

9D STA 10+38.0, 27.8' RT INLETS 2x3-H

10A STA 77+55.9, 169.7' LT APRON ENDWALLS FOR CPRC 15-INCH

10B STA 11+20.0, 20.5' LT INLETS 4-H-S

10C STA 11+72.0, 20.5' LT INLETS 2x3-H-S

10 STA 11+73.0, 23.5' RT MANHOLES 6-J

SET ECCENTRIC TOP TO HAVE MH COVER BEHIND CURB

10D STA 12+84.7, 21.8' RT INLETS 2x3-H

10E STA 11+67.8, 40.3' RT INLETS 4-H-S

11A STA 11+49.0, 44.7' RT INLETS 4-H-S

11B STA 11+20.0, 25.6' RT INLETS 4-H-S

11 STA 78+61.7, 172.6' LT APRON ENDWALLS FOR CPRC 12-INCH

9 STA 78+63.7, 136.5' LT APRON ENDWALLS FOR CPRC 12-INCH

TLE

SLOPE INTERCEPT

R/W

McCANNA PKWY R/L

McCANNA PARKWAY

GATEWAY TECHNICAL COLLEGE

CAUTION

ASPH

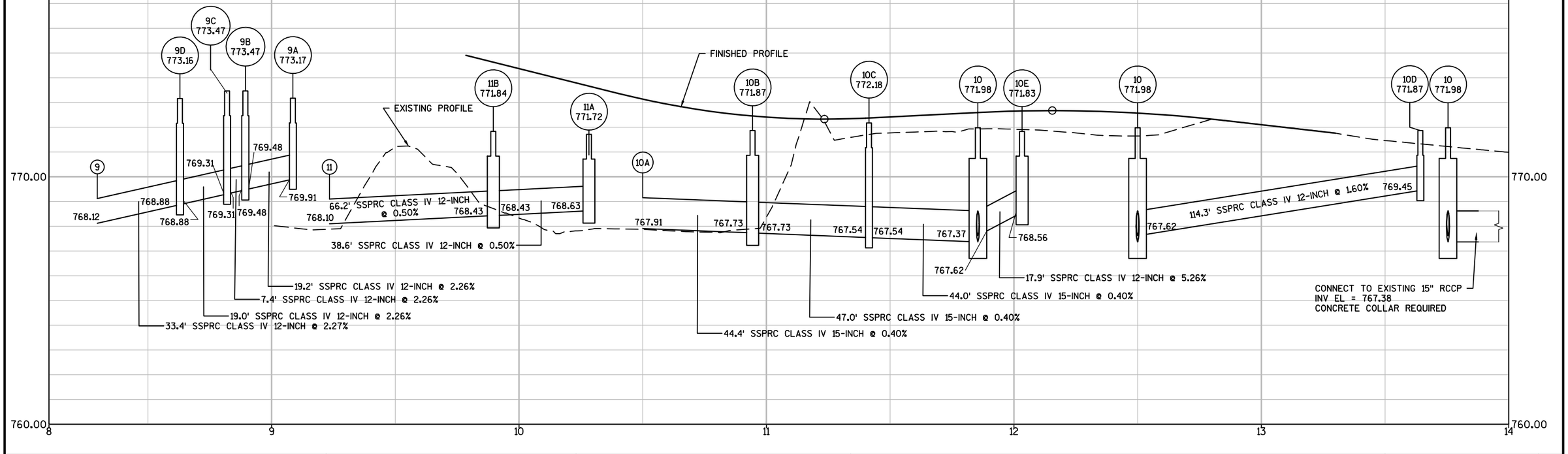
10+00

11+00

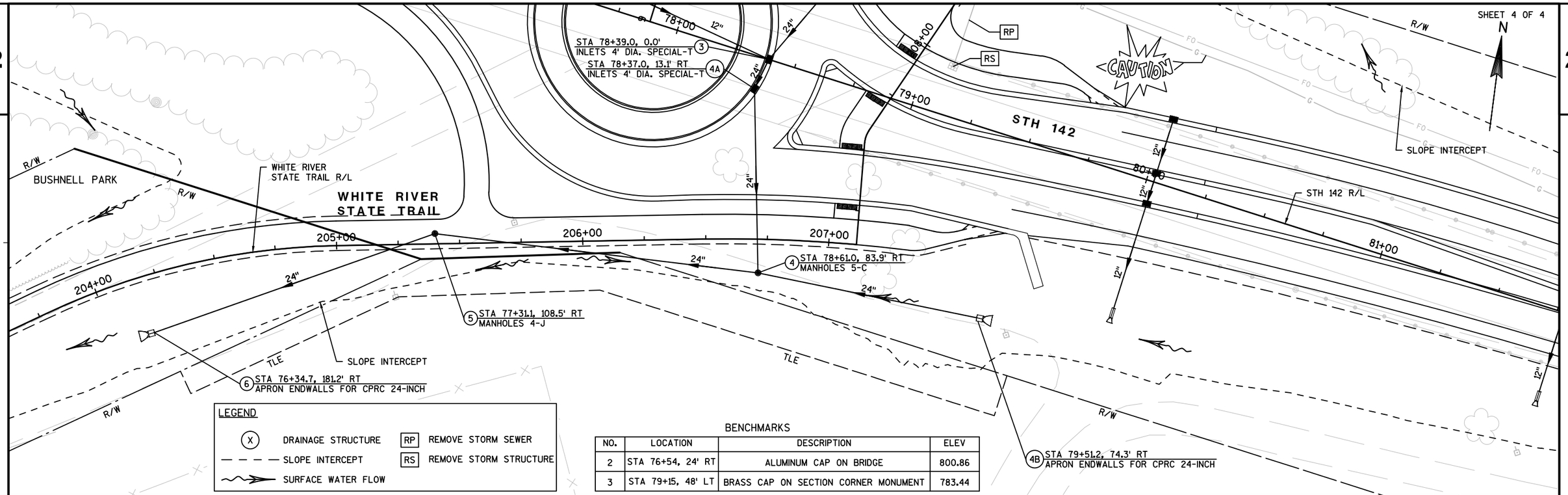
12+00

13+00

14+00



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	STORM SEWER: McCANNA PKWY	SHEET 62	E

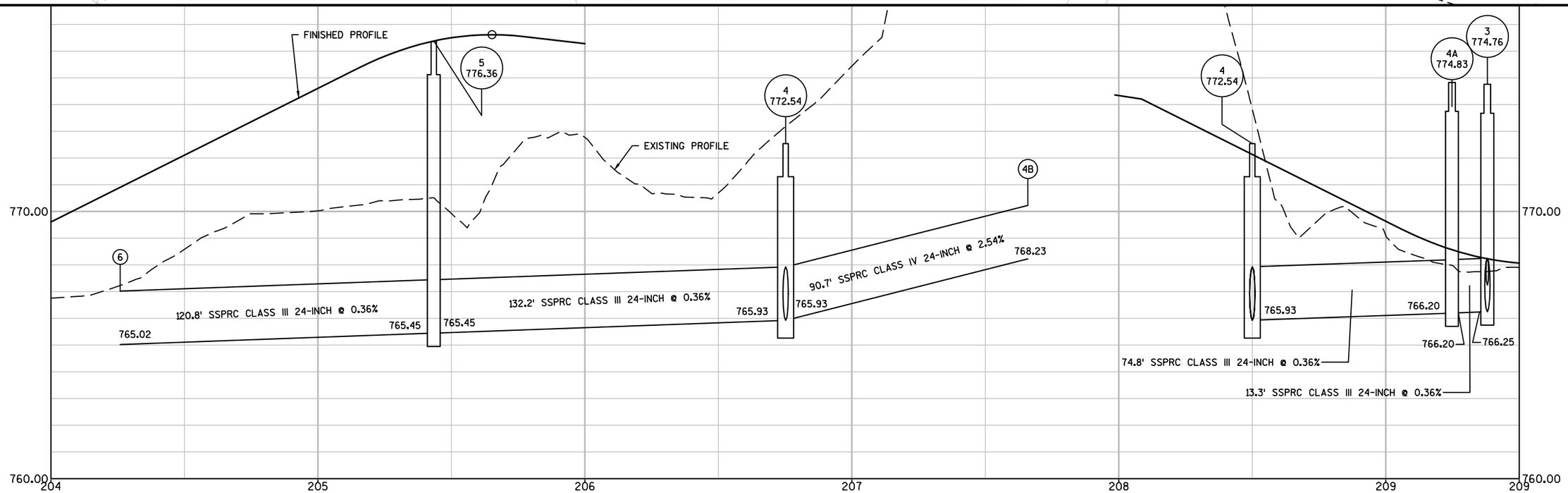


LEGEND

(X)	DRAINAGE STRUCTURE	RP	REMOVE STORM SEWER
— — —	SLOPE INTERCEPT	RS	REMOVE STORM STRUCTURE
~~→	SURFACE WATER FLOW		

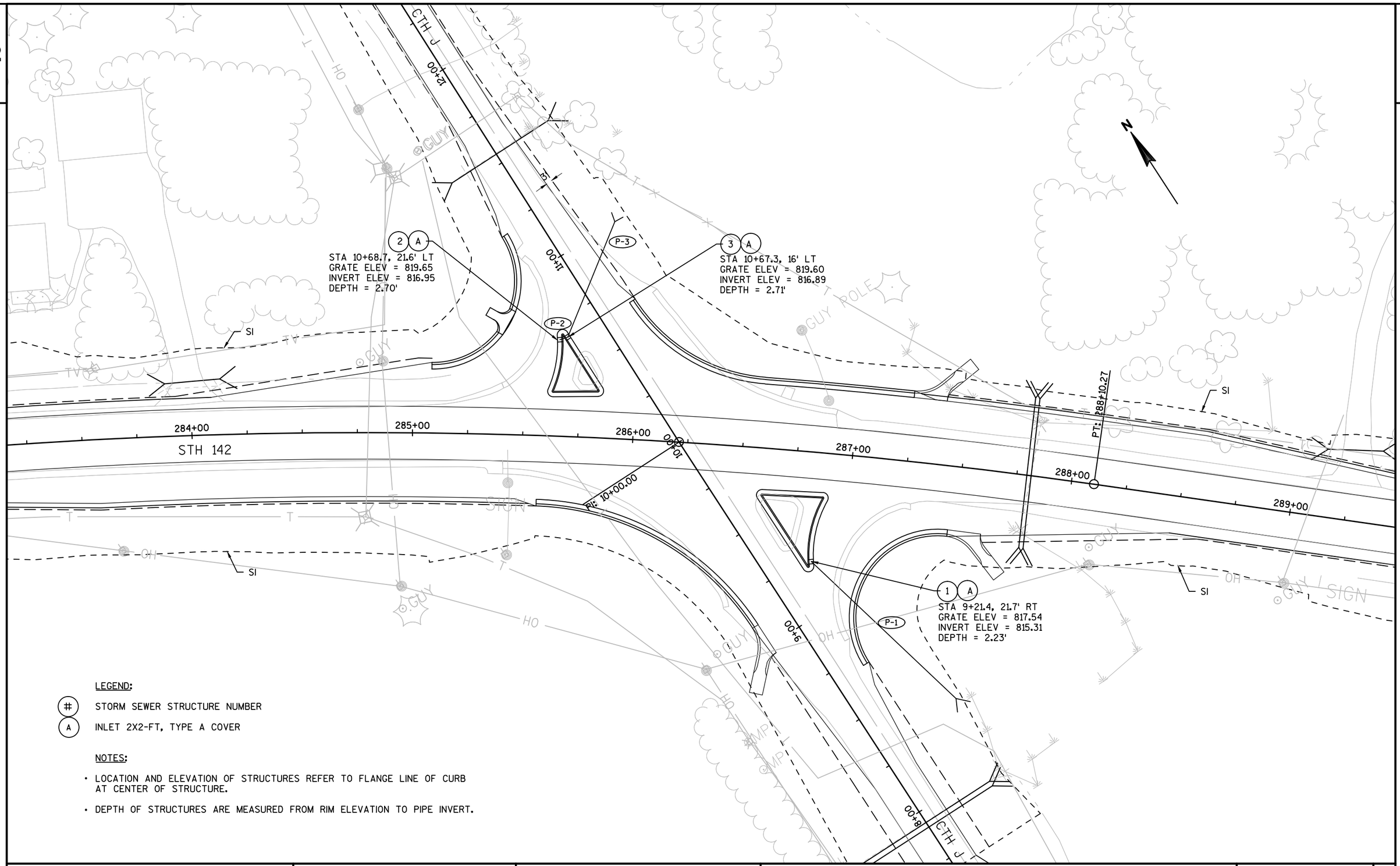
BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	STORM SEWER: WHITE RIVER STATE TRAIL	SHEET 63	E

2



LEGEND:

(#) STORM SEWER STRUCTURE NUMBER

(A) INLET 2X2-FT, TYPE A COVER

NOTES:

- LOCATION AND ELEVATION OF STRUCTURES REFER TO FLANGE LINE OF CURB AT CENTER OF STRUCTURE.
- DEPTH OF STRUCTURES ARE MEASURED FROM RIM ELEVATION TO PIPE INVERT.

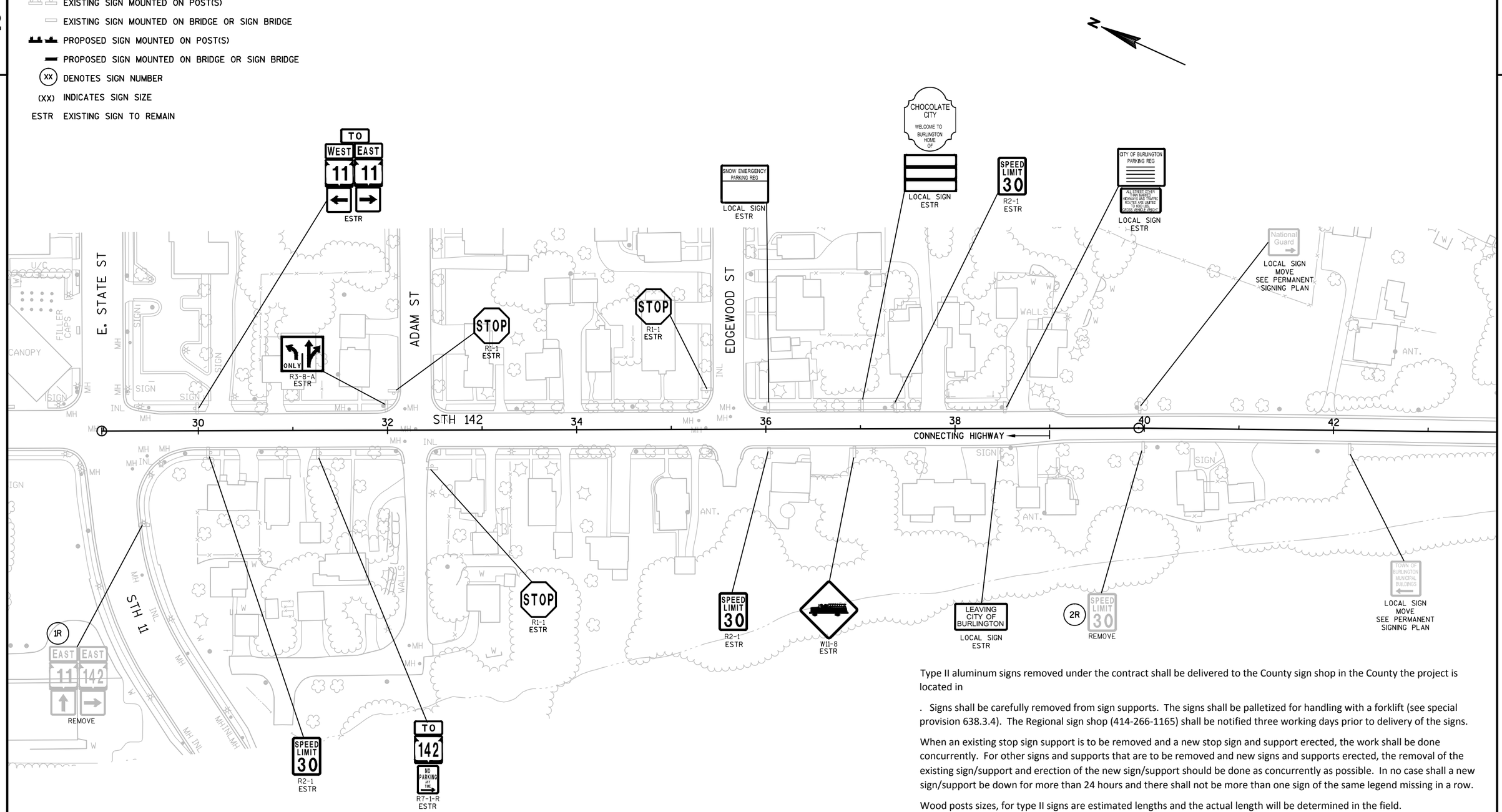
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	STORM SEWER DETAIL - CTH J	SHEET 64	E

2

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



Type II aluminum signs removed under the contract shall be delivered to the County sign shop in the County the project is located in

. Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see special provision 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 posts 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.

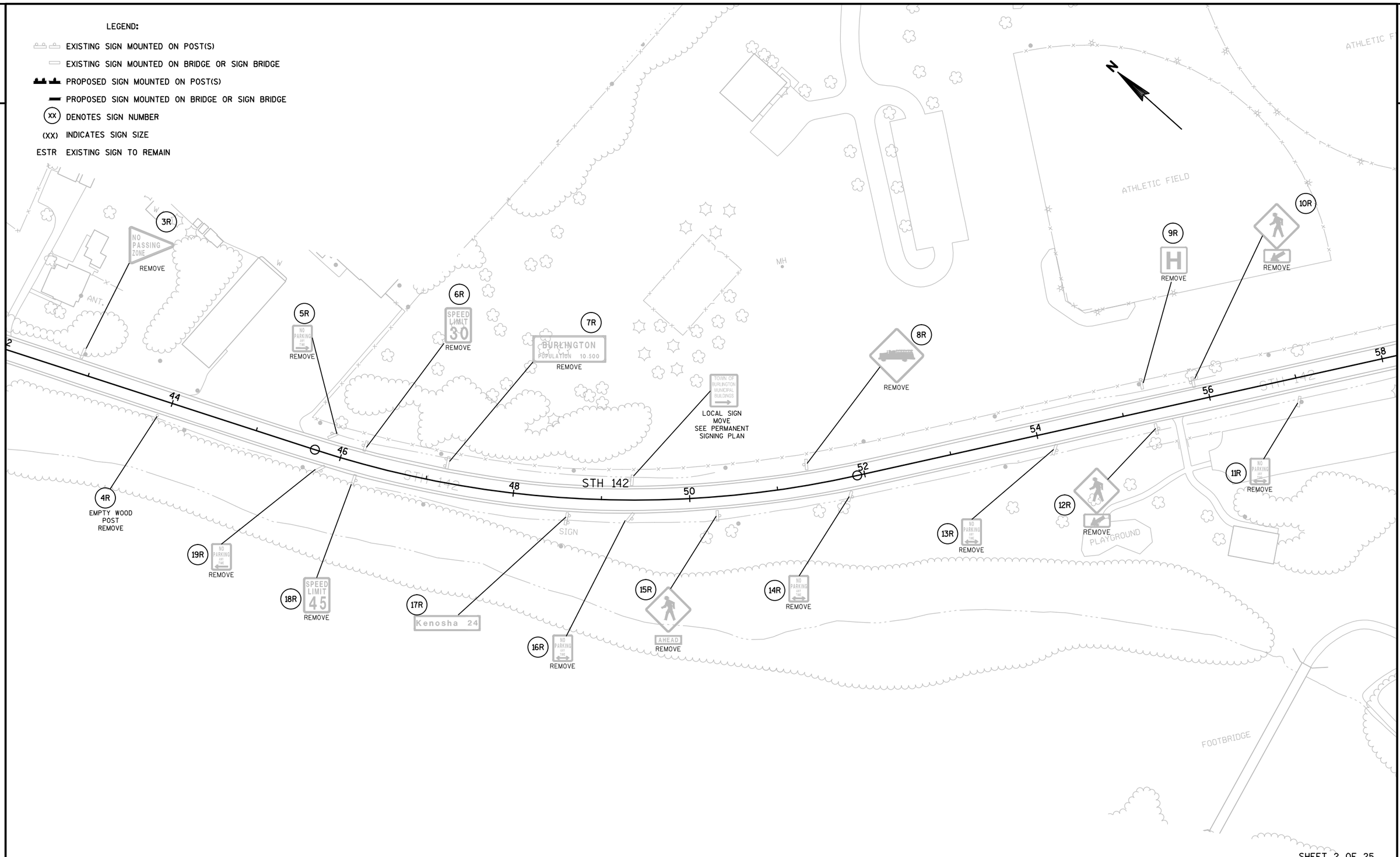
SHEET 1 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 65	E

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 2 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 66	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023102_PS

PLOT DATE : 9/23/2016 7:02 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

ATHLETIC FIELD

20R REDUCE SPEED AHEAD 30 M.P.H. — REMOVE

21R AHEAD — REMOVE

22R NO PASSING ZONE — REMOVE

STOP 23R — REMOVE

PART OF 23R — REMOVE

24R NO PARKING ANY TIME — REMOVE

25R SPEED LIMIT 45 — REMOVE

SIGN

MH

58 60 STH 142 62 64 STH 142 66 68 70 72

29R SPEED LIMIT 45 — REMOVE

NO PASSING ZONE — REMOVE PART OF 29R

27R NO PARKING ANY TIME — REMOVE

STOP 28R — REMOVE

26R SPEED LIMIT 45 — REMOVE

MH

MH

SHEET 3 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 67	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023103_PS

PLOT DATE : 9/23/2016 7:02 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

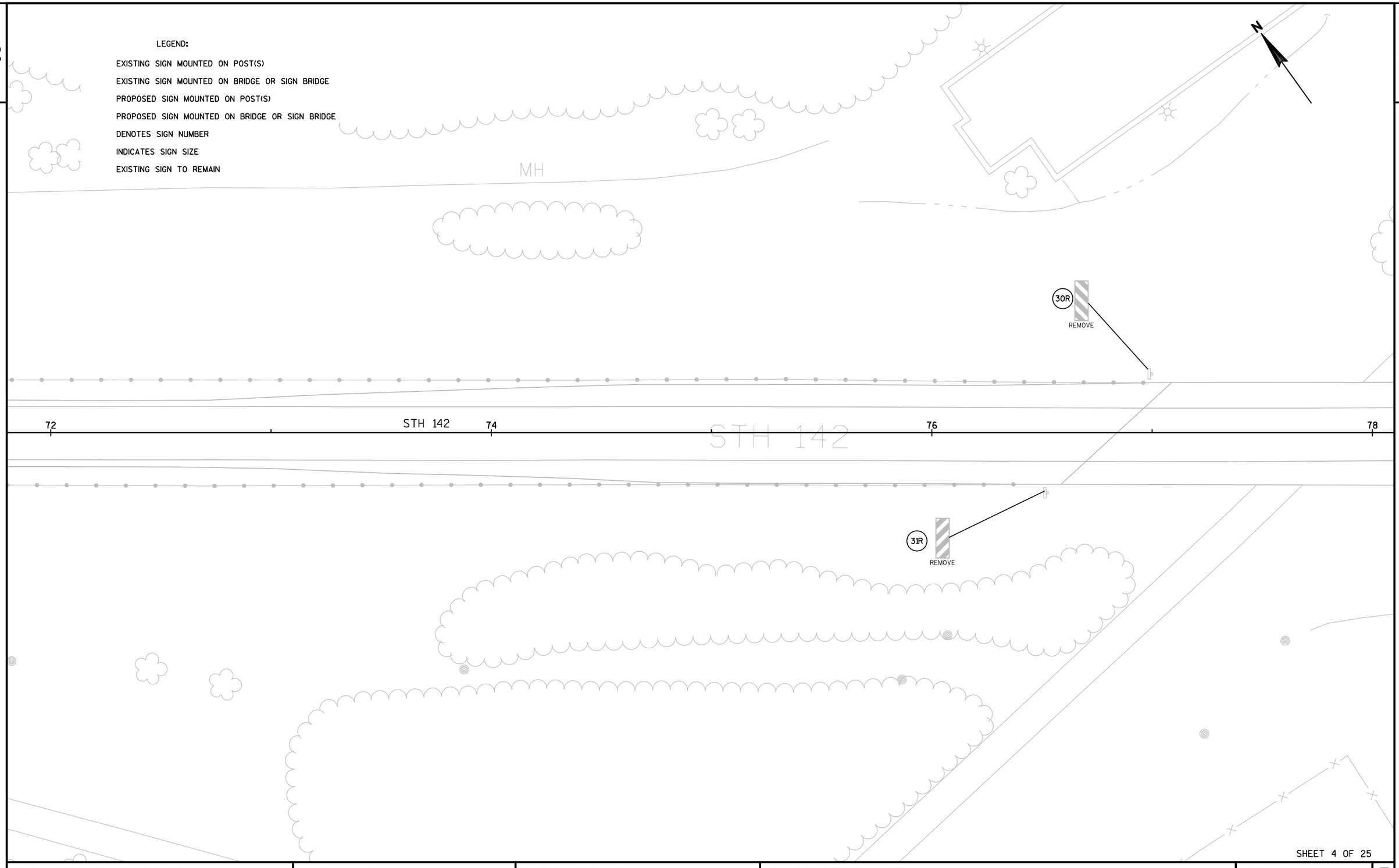
PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

DENOTES SIGN NUMBER

INDICATES SIGN SIZE

EXISTING SIGN TO REMAIN



2

SHEET 4 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 68	E

2

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N

32R

REMOVE

78

STH 142

80

82

33R

REMOVE

SHEET 5 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 69	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023105_PS

PLOT DATE : 9/23/2016 7:02 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

NOTE
SEE OTHER MOVE SIGN ITEMS ON McCANNA PKWY ON PERMANENT SIGN PLAN.

STH 142

McCANNA PKWY

34R STOP
REMOVE

LOCAL SIGN
MOVE
SEE PERMANENT
SIGNING PLAN

LOCAL SIGN
ESTR

LOCAL SIGN
MOVE
SEE PERMANENT
SIGNING PLAN

36R STOP
NO RIGHT TURNS
REMOVE

35R STOP
REMOVE

142R SPEED LIMIT 25
REMOVE

SHEET 6 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 70	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023106_PS

PLOT DATE : 9/23/2016 7:02 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

37R SPEED LIMIT 45 REMOVE

44R SPEED LIMIT 45 REMOVE

45R NO PASSING ZONE REMOVE

38R SPEED LIMIT 45 REMOVE

PART OF 39R

39R NO PASSING ZONE REMOVE

39R JCT RUSTIC ROAD REMOVE

40R SPEED LIMIT 35 REMOVE

41R RUSTIC ROAD R42 REMOVE

GROSS WEIGHT LIMIT 10 TONS MOVE SEE PERMANENT SIGNING PLAN

42R STOP REMOVE

43R STREET NAME SIGN BY MUNICIPALITY

RUSTIC ROAD END REMOVE

STH 142

84 86 88 90 92 94 96 98

STH 142

STH 142

BREVER RD

SIGN

SIGN

SIGN

BERM

BERM

SEPTIC

SEPTIC

ANT.

SCALE

SHEET 7 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 71	E

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
- (XX) DENOTES SIGN NUMBER
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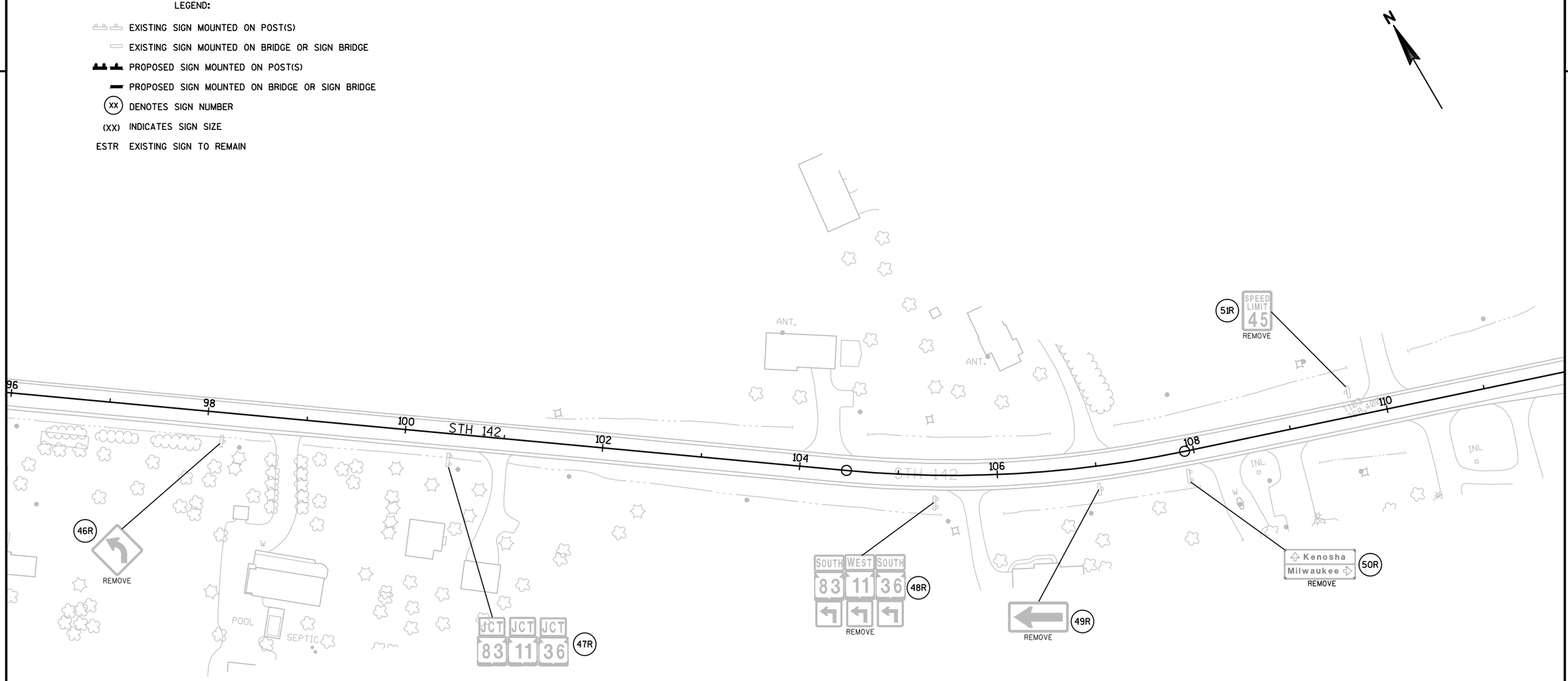
- ESTR EXISTING SIGN TO REMAIN



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
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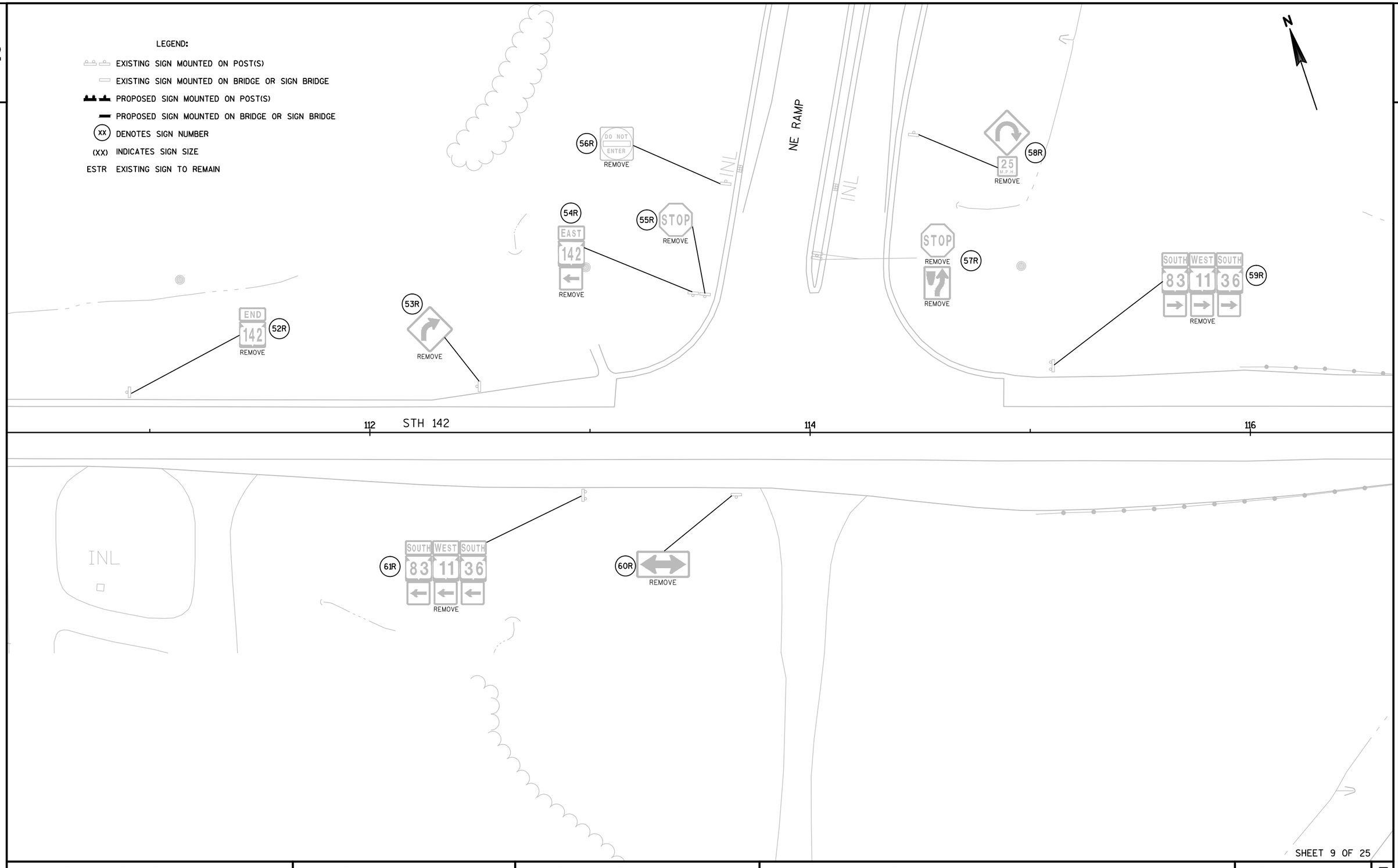
- ESTR EXISTING SIGN TO REMAIN



2

SHEET 9 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 73	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023109_PS

PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M 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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

64R REMOVE

65R REMOVE

67R Burlington REMOVE

62R NORTH 83 EAST 11 NORTH 36 REMOVE

63R REMOVE

66R REMOVE

68R Kenosha Milwaukee REMOVE

INL

SIGN

STH 142

118

120

122

STH 11/36/83

SHEET 10 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 74	E

2

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N

SOUTH WEST SOUTH
83 11 36
69R
REMOVE

SIGN

77R
REMOVE

SIGN

NORTH EAST NORTH
83 11 36
78R
REMOVE

122 STH 142 124 126 128

70R
REMOVE

SIGN

NORTH EAST NORTH
83 11 36
71R
REMOVE

73R
REMOVE

STOP
REMOVE
PART OF 73R

72R
25 M.P.H.
REMOVE

SW RAMP

INL

EAST
142
79R
REMOVE

EAST
142
76R
REMOVE

STOP
75R
REMOVE

DO NOT ENTER
74R
REMOVE

SHEET 11 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 75	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023111_PS

PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M 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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

MT TOM RD

82R
STOP
REMOVE

STREET NAME SIGN
BY MUNICIPALITY

81R
Burlington
Milwaukee
REMOVE

SIGN

SPONSOR
SPONSOR1
SPONSOR2
SPONSOR3
155-56
ESTR

128 STH 142 130 132

80R
STOP
SCHOOL BUS
FLASHING
RED LIGHTS
REMOVE

83R
REMOVE

SIGN

2

SHEET 12 OF 25

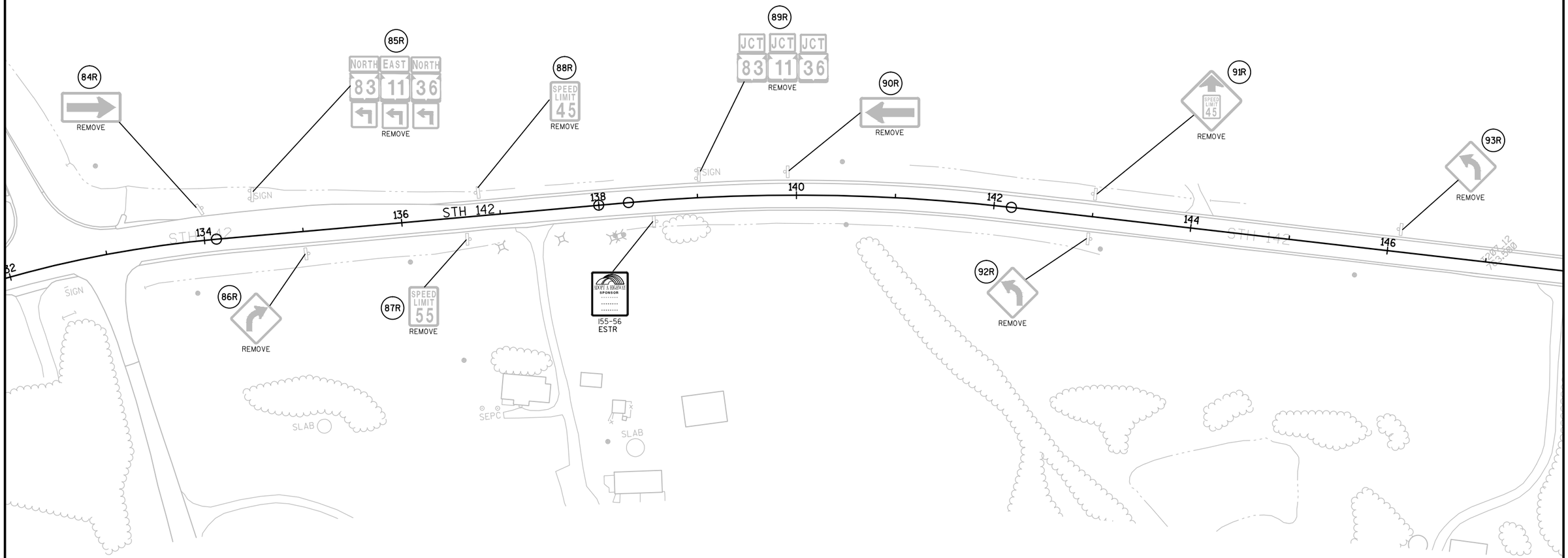
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 76	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023112_PS

PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 13 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 77	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023113_PS

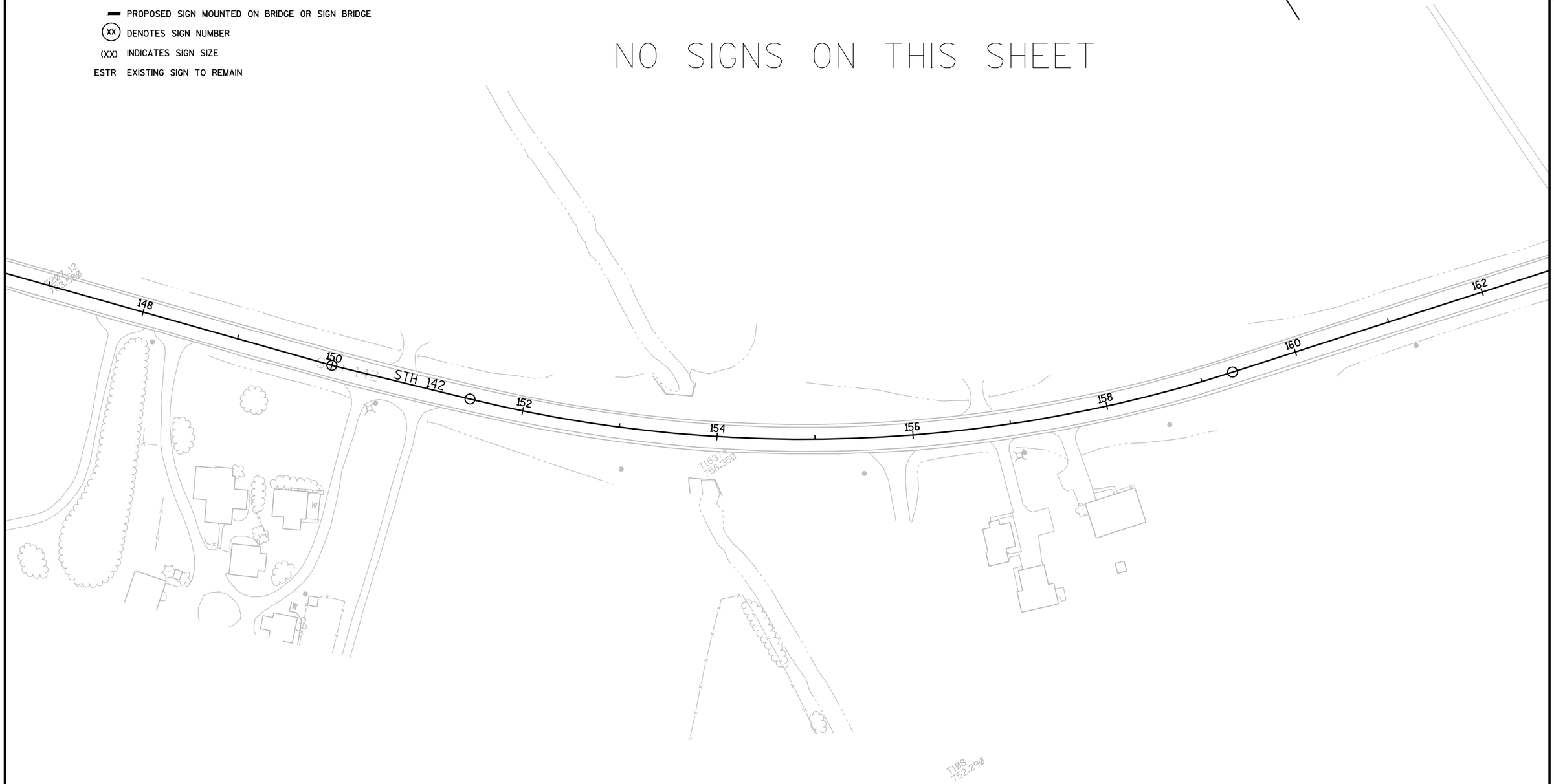
PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET



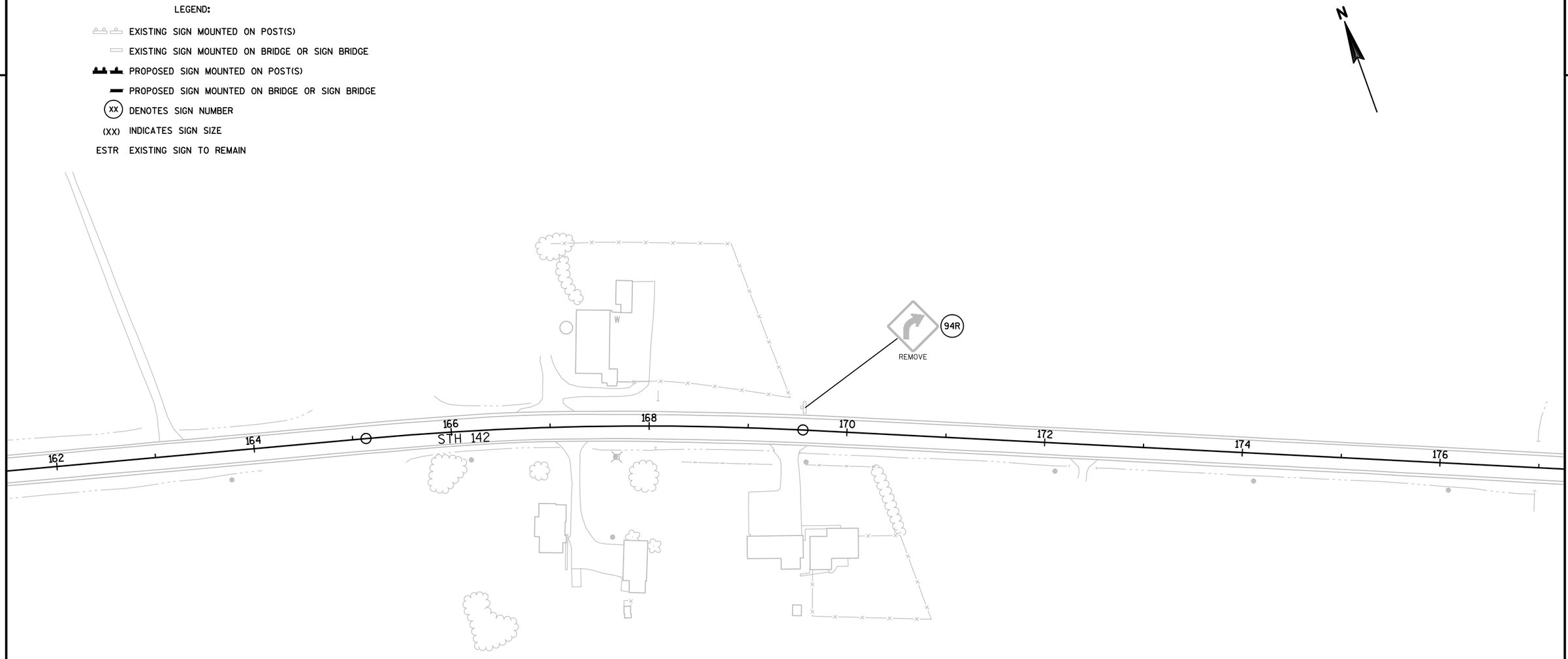
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 78	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023114_PS
PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 15 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 79	E

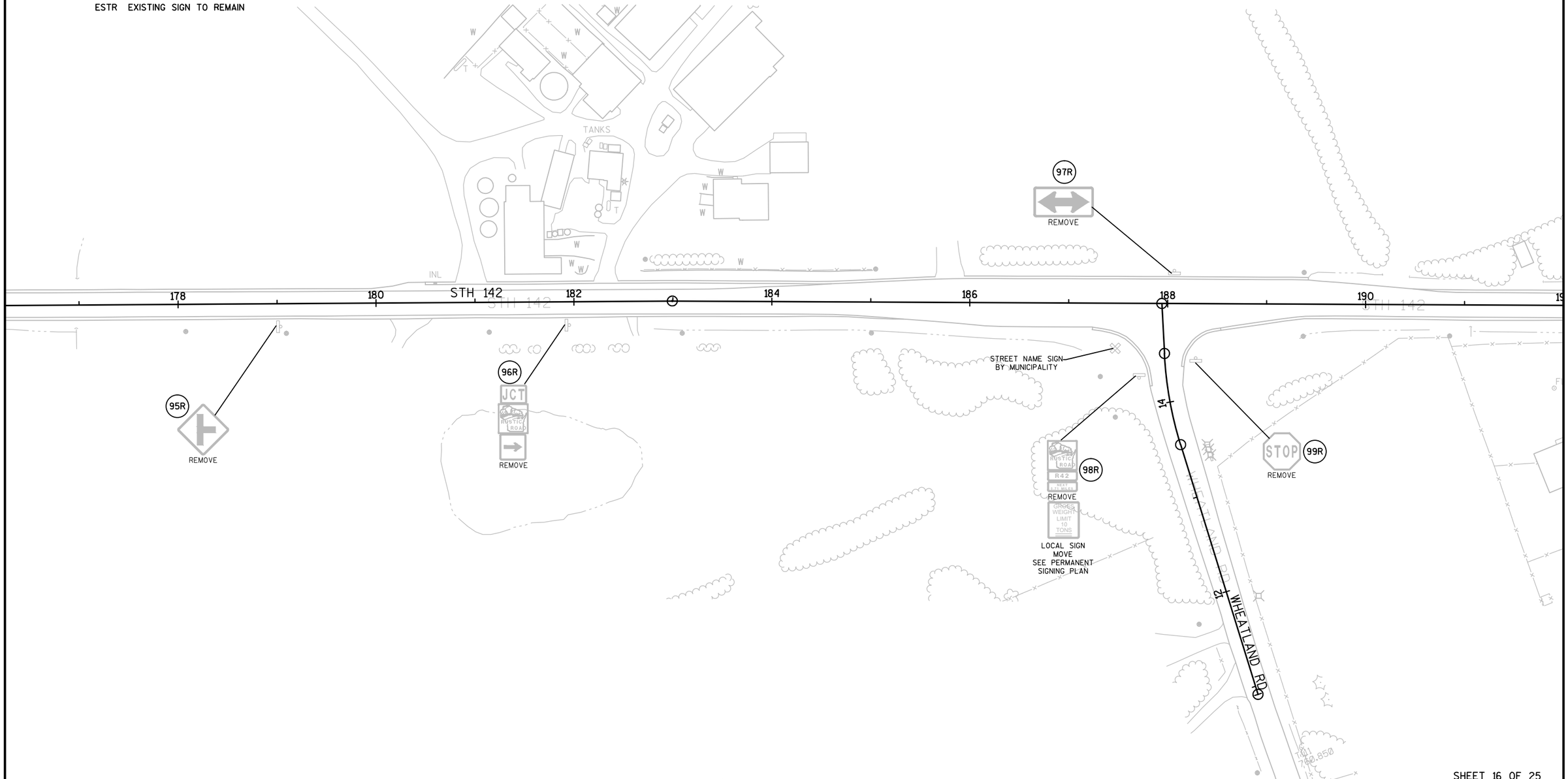
FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023115_PS

PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 16 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 80	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023116_PS

PLOT DATE : 9/23/2016 7:03 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

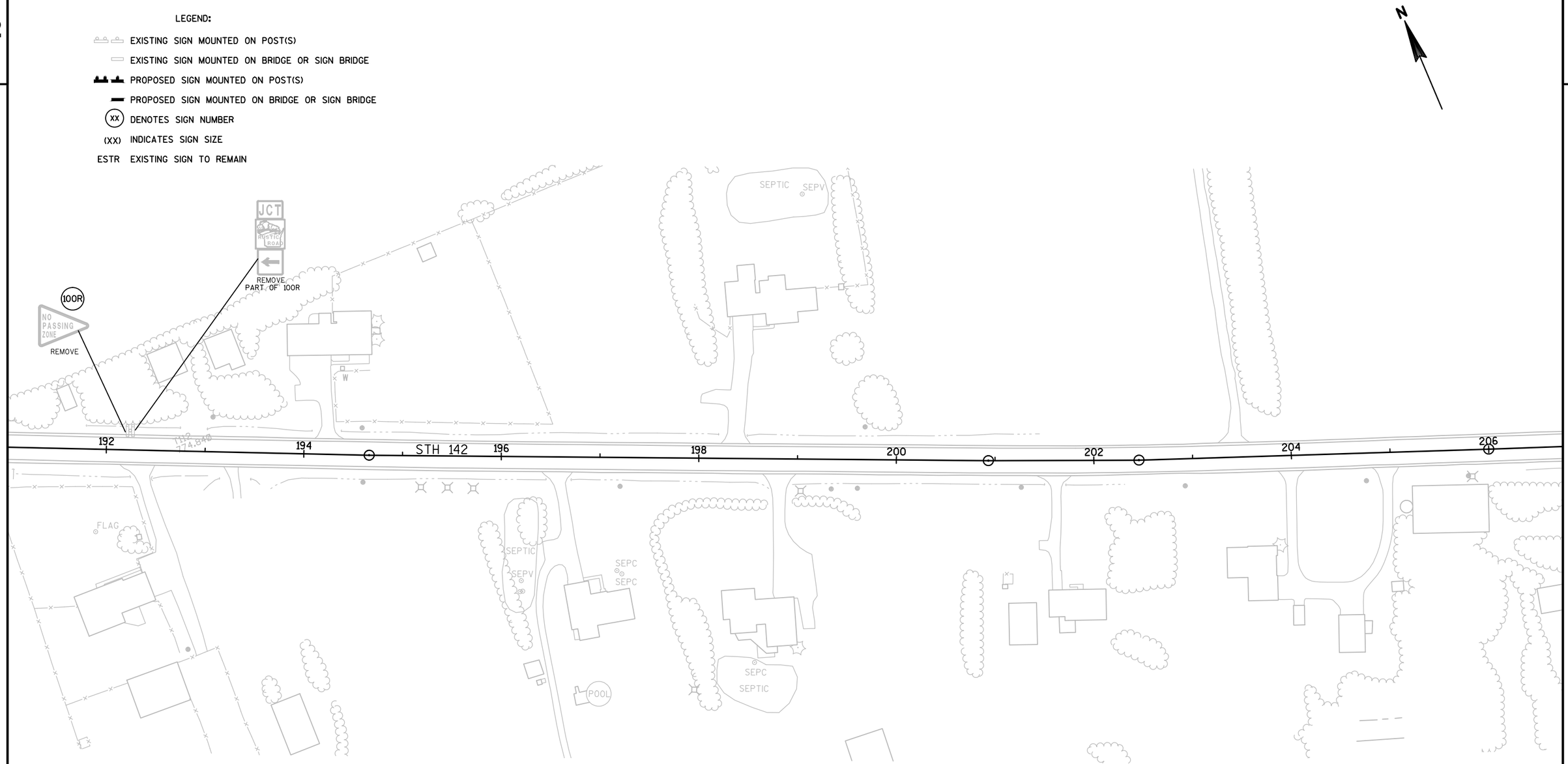
PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN



SHEET 17 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 81	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023117_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

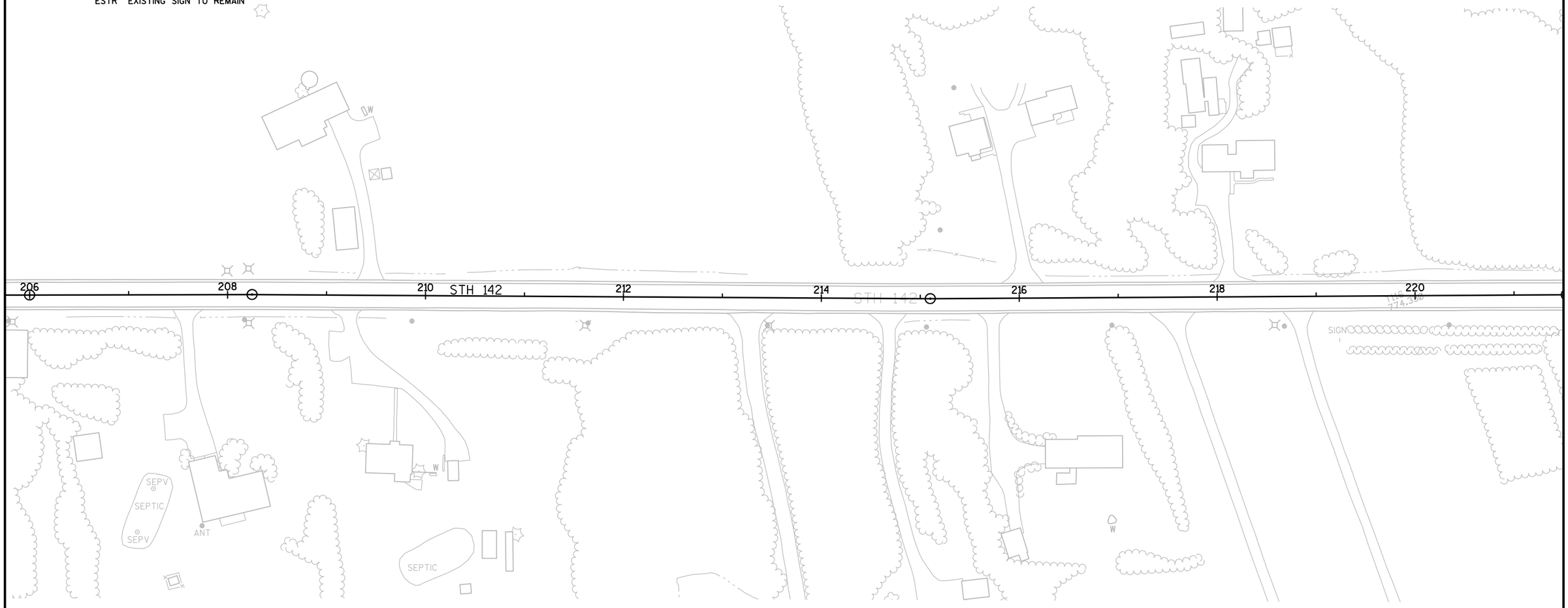
WISDOT/CADDS SHEET 42

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET



SHEET 18 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 82	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023118_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

222 224 STH 142 226 228 230 STH 142 232 234 236

ANT

TIK74
779.870

OW

POOL

W

101R

DEAD END

REMOVE

WOMACK LANE

18

16

MA FEE STR ME

STREET NAME SIGN BY MUNICIPALITY

MOVE TO SEPARATE POST SEE PERMANENT SIGNING PLAN

STOP 102R

REMOVE

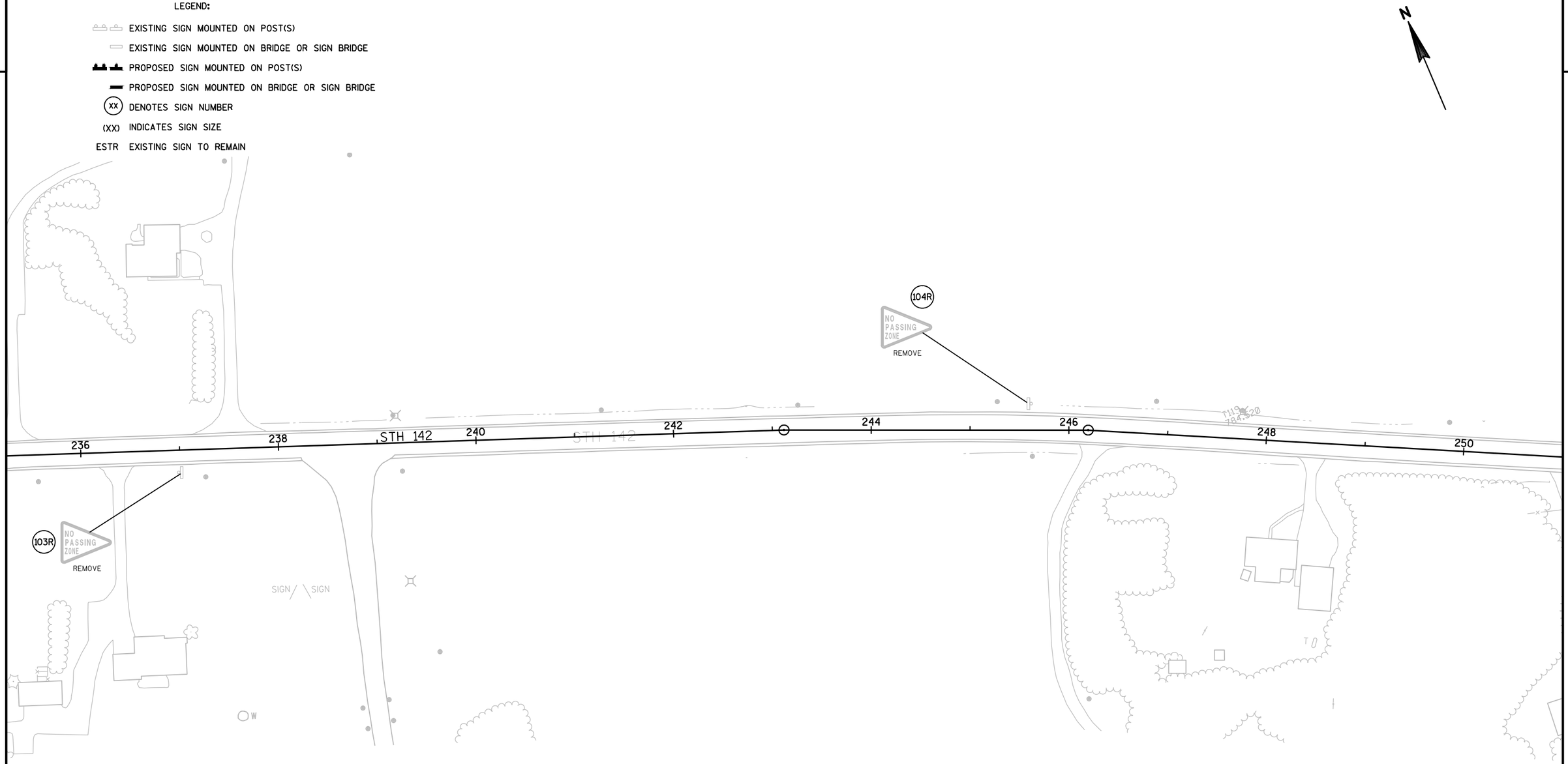
SHEET 19 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 83	E

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 20 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 84	E

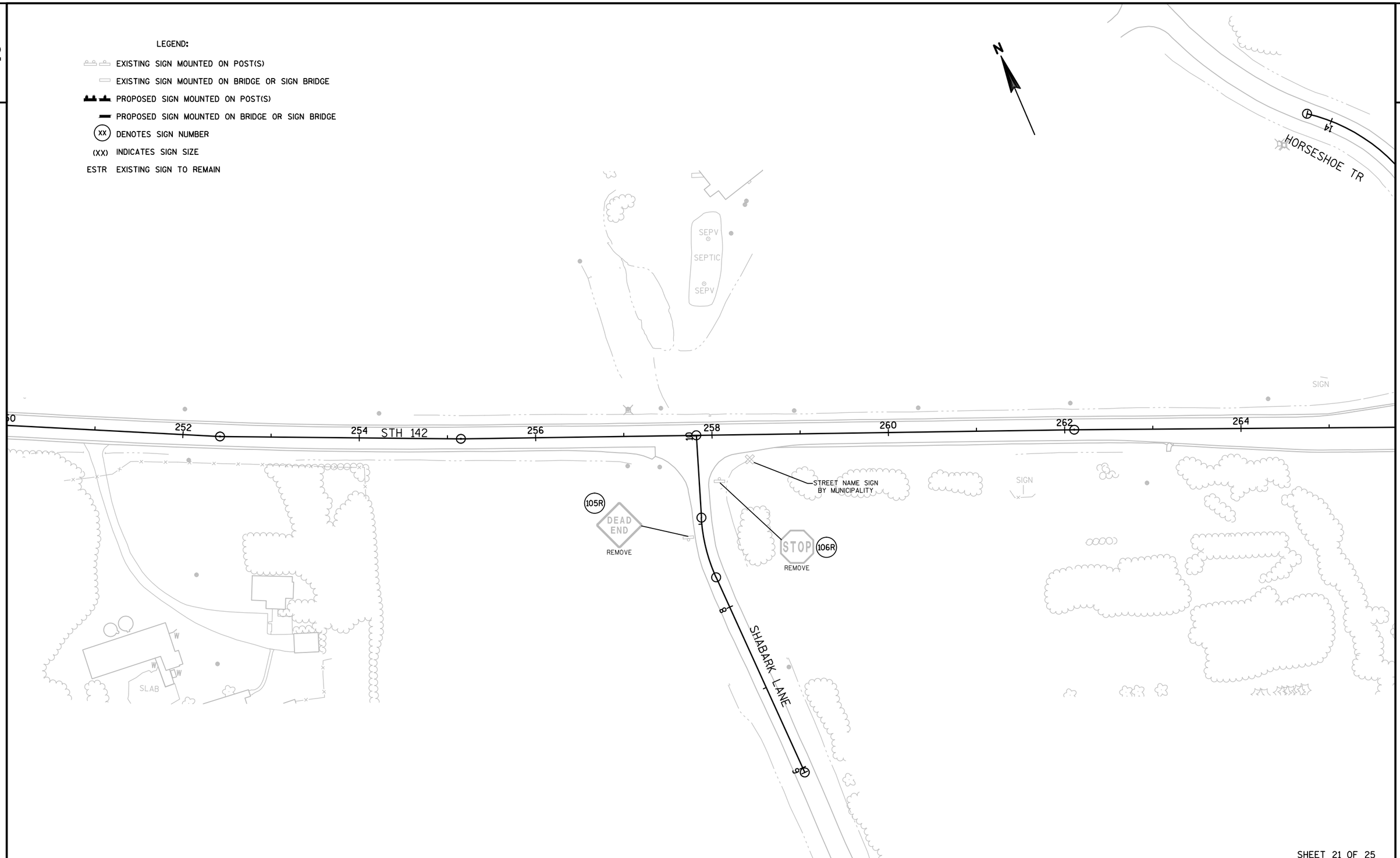
FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023120_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 21 OF 25

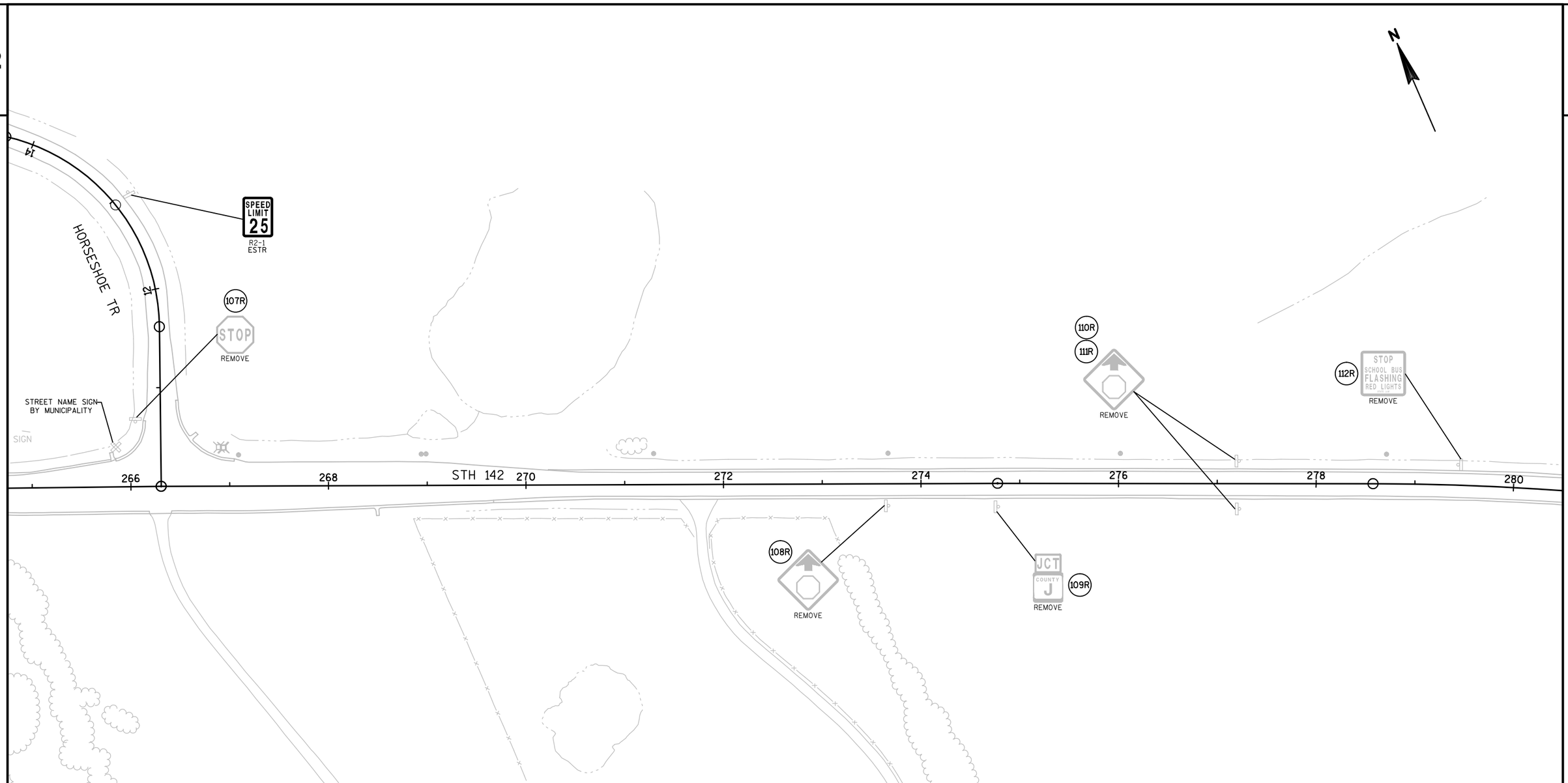
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 85 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023121_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 22 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 86	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023122_PS

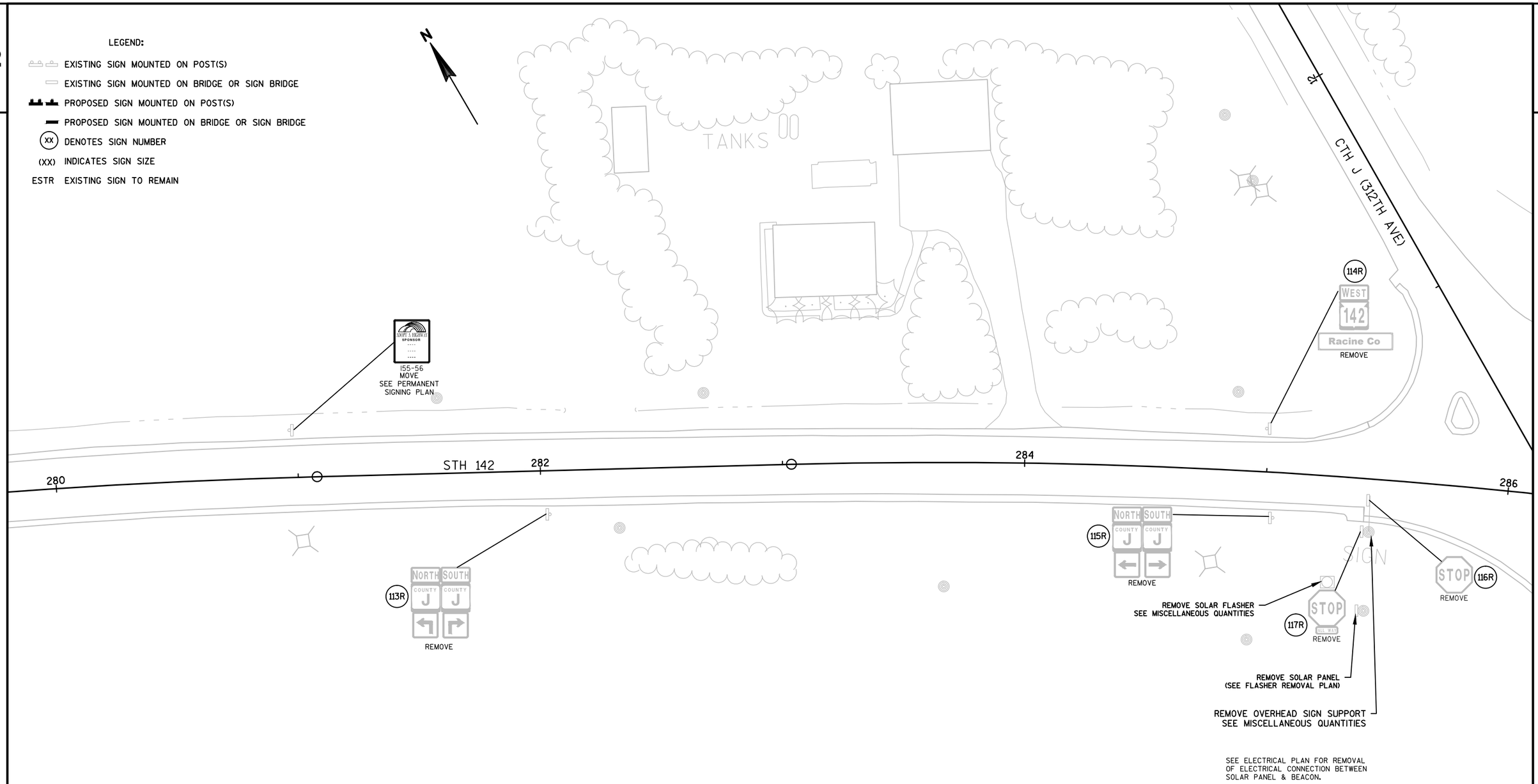
PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 23 OF 25

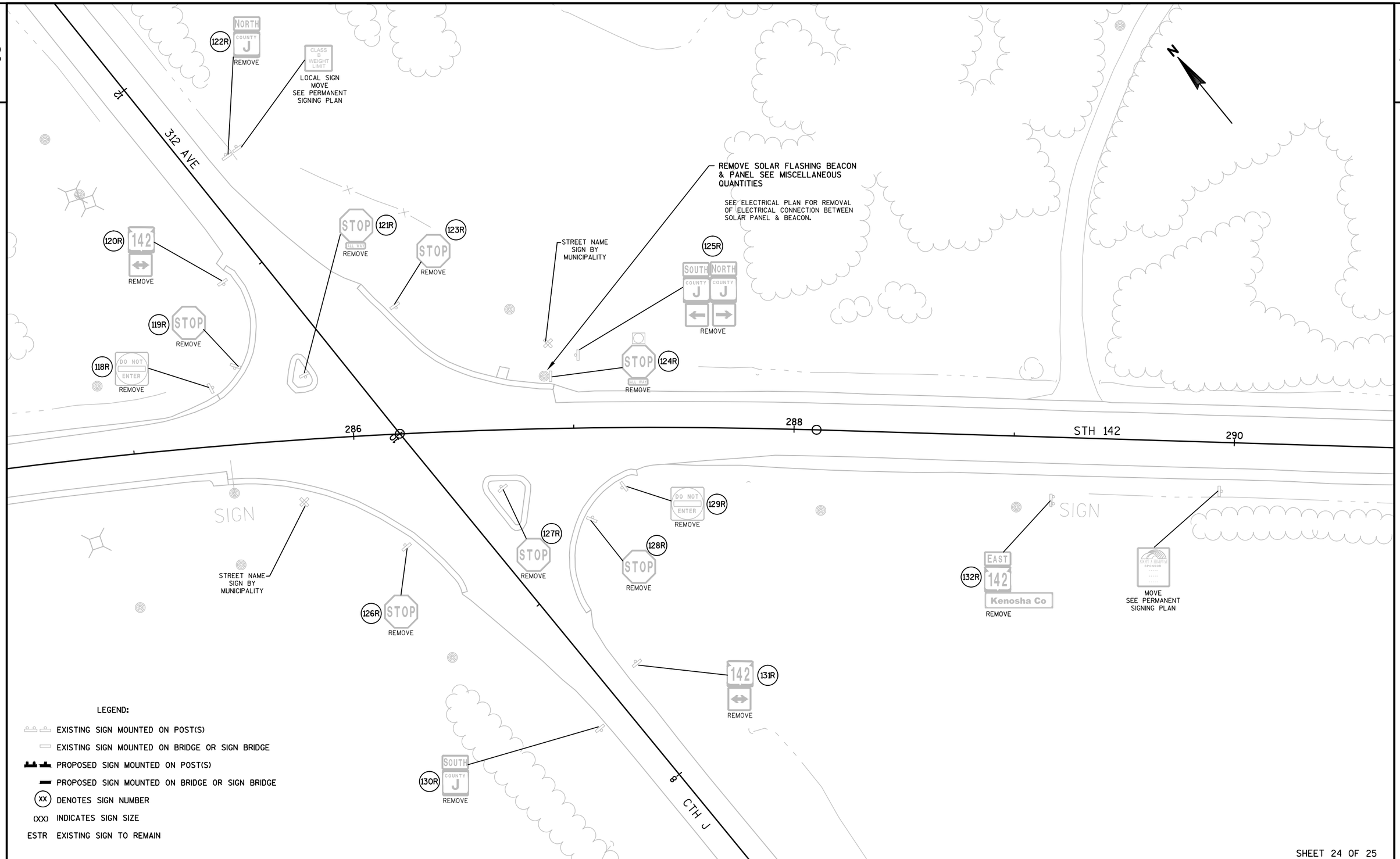
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 87	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023123_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M 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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 24 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 88 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023124_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N

1000'

290 292 STH 142 294 296 298 300 302 304

133R REMOVE

134R REMOVE

136R REMOVE

137R SOUTH COUNTY J NORTH COUNTY J REMOVE

138R

140R NO PARKING ANY TIME REMOVE

135R NO PARKING ANY TIME REMOVE

139R REMOVE

141R JCT COUNTY J REMOVE

SIGN

WALLS

SHEET 25 OF 25

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGNING REMOVAL PLAN	SHEET 89	E

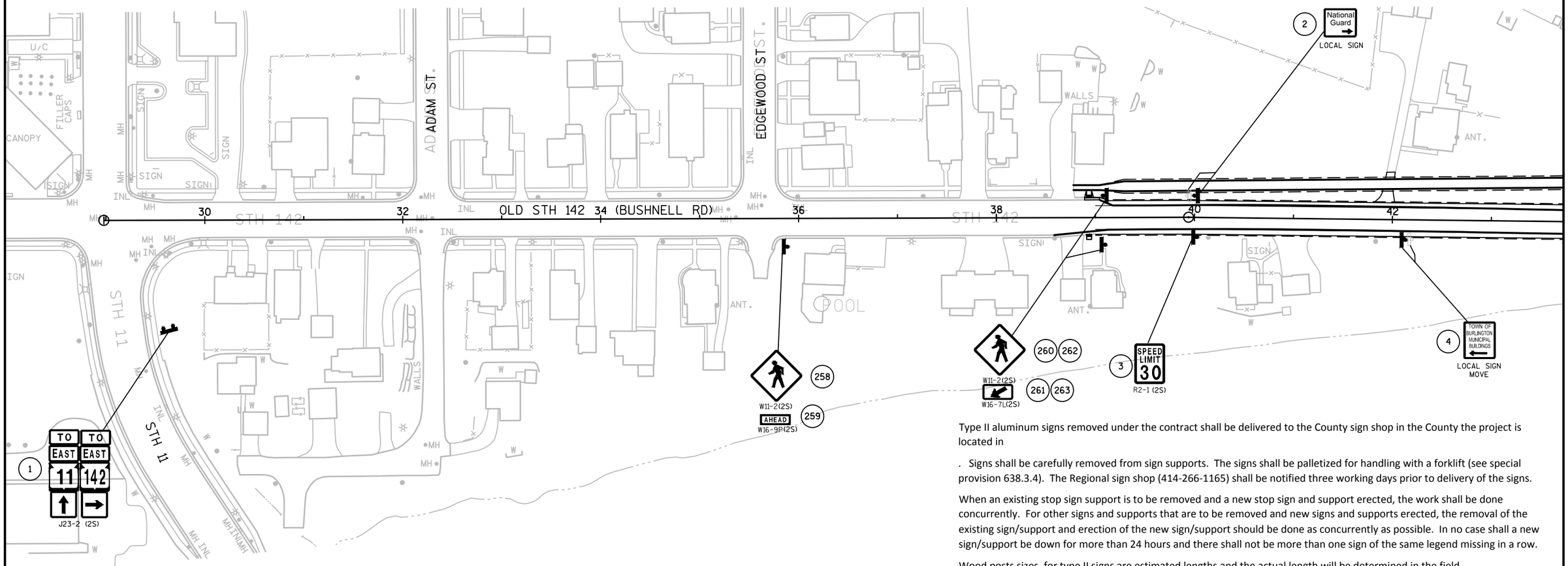
FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023101_PS.DWG
LAYOUT NAME - 023125_PS

PLOT DATE : 9/23/2016 7:04 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

NOTE: STH 142 WILL BE TURNED OVER TO THE CITY FOR PORTION WEST OF WHITE RIVER STATE TRAIL AND TURNED OVER TO THE COUNTY EAST OF STATE TRAIL.



Type II aluminum signs removed under the contract shall be delivered to the County sign shop in the County the project is located in

. Signs shall be carefully removed from sign supports. The signs shall be palletized for handling with a forklift (see special provision 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 posts sizes, for type II signs are estimated lengths and the actual length will be determined in the field.

Street name signs are property of the municipality (city, village or town). The municipality shall be contacted to remove their street name signs prior to construction and it is their responsibility to reinstall the old signs or replace them following construction. WisDOT does not furnish or install street name signs. The street name signs shall not be placed on top of the STOP signs.

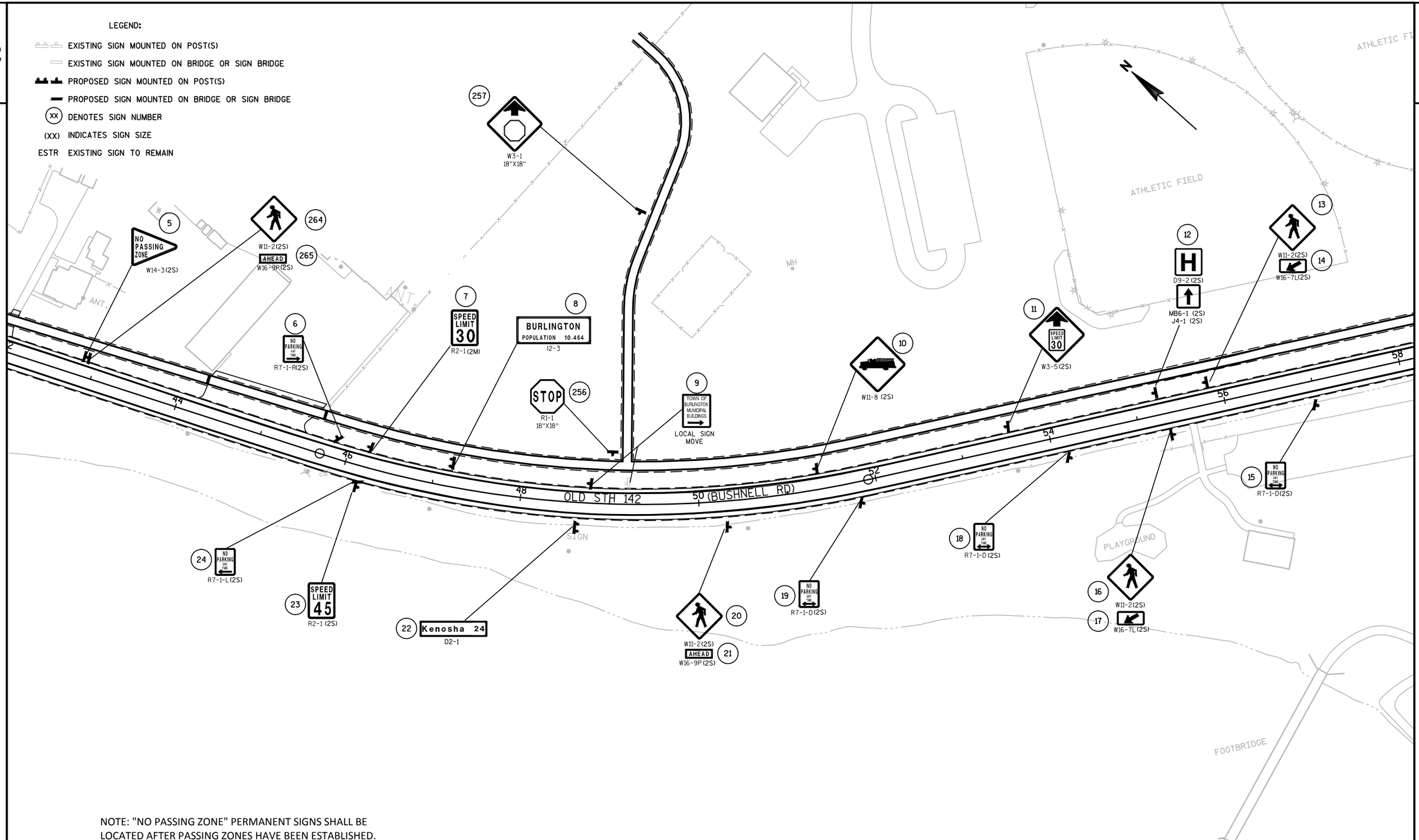
Locate no passing pennants based on establishing no passing zones pay item. Place signs based on where the pavement marking for no passing zones begin

SHEET 1 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 90	E

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



NOTE: "NO PASSING ZONE" PERMANENT SIGNS SHALL BE LOCATED AFTER PASSING ZONES HAVE BEEN ESTABLISHED.

SHEET 2 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 91 E

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

ATHLETIC FIELD

BLEACHERS

ATHLETIC FIELD

N

25 W1-2R (2S)

26 W11-2(2S)

27 AHEAD W16-9P(2S)

30 W11-2(2S)

31 W16-7L(2S)

STOP 29 R1-1 (2S)

33 NO PARKING ANY TIME R7-1-L(2S)

SIGN

OLD STH 142

58 60 62 64 66 68 70 72

OLD STH 142 (BUSHNELL RD)

28 NO PASSING ZONE W14-3(2S)

42 SPEED LIMIT 45 R2-1 (2S)

NO PASSING ZONE 41 W14-3 (2S)

STOP 40 R1-1 (2S)

NO PARKING ANY TIME 39 R7-1-D(2S)

MH

BLEACHERS

BLEACHERS

34 W11-2(2S)

35 AHEAD W16-9P(2S)

36 R Bushnell Rd Mc Canna Pkwy D1-62

37 W2-6 (2S)

15 M.P.H. 38 W13-1 (2S)

ATHLETIC FIELD

MH

NOTE: "NO PASSING ZONE" PERMANENT SIGNS SHALL BE LOCATED AFTER PASSING ZONES HAVE BEEN ESTABLISHED.

SHEET 3 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 92 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023203_PS

PLOT DATE : 9/29/2016 10:00 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

2

N

OLD STH 142 (BUSHNELL RD)

27 28 29 30 31 32 72 74 76 78 11 10+00

43 W6-3(2S)

44 DO NOT ENTER R5-1(2S)

45 SPEED LIMIT 45 R2-1 (2S)

46 W11-2(2S)

47 W16-7L (2S)

48 Bushnell Rd D1-1

58 W3-2(2S) TEMP 16X16 ORANGE FLAGS

56 R4-7 (2S)

57 W5-54S(2S)

55 R3-4(2S)

53 W11-2(2S)

54 W16-7L (2S)

51 YIELD R1-2(2S) 7' TO BOTTOM OF YIELD SIGN

52 TO TRAFFIC FROM LEFT R1-54(2S) TEMP 16X16 ORANGE FLAGS

206 205 204

49 YIELD R1-2(2S) 7' TO BOTTOM OF YIELD SIGN

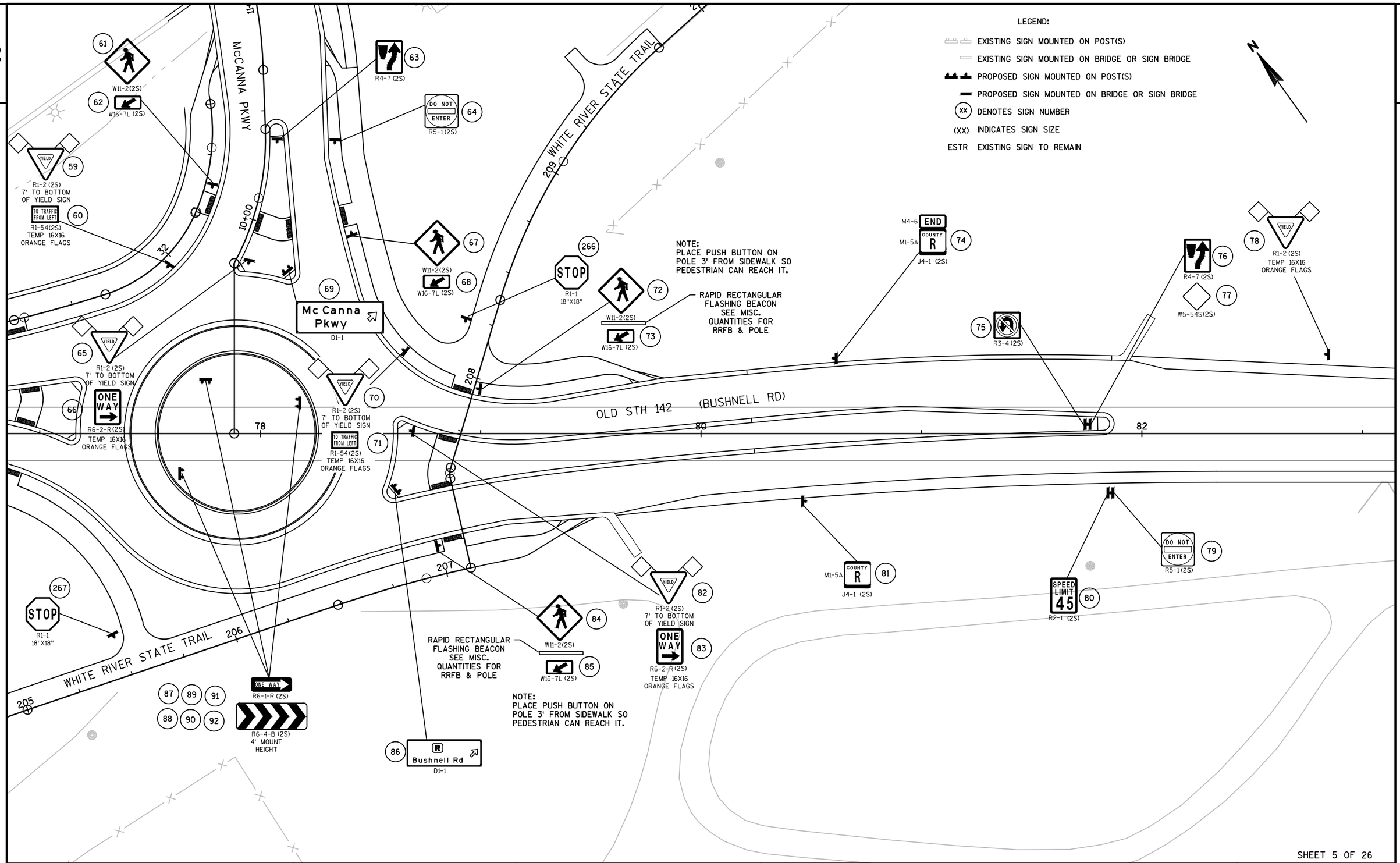
50 ONE WAY R6-2-R (2S) TEMP 16X16 ORANGE FLAGS

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 4 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 93	E



SHEET 5 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 94 E

2

SEE SHEETS 4 & 5
FOR SIGNING IN
ROUNDABOUT

N

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

205 206 207 208 209 30 31 32 78 08

OLD STH 142 (BUSHNELL RD)

10+00 11+00 12+00 13+00 14+00

McCANNA PKWY

93 STOP R1-1(2S)

94 95 96 GATEWAY TOBACCO FREE PARKING IN MARKED STALLS ONLY / NO PARKING ANY TIME MOVE

106 R Bushnell Rd Bushnell Rd D1-62

NO PARKING DURING SCHOOL DAYS 8:00 AM TO 4:00 PM ESTR

103 SPEED LIMIT 25 R2-1 (2S)

102 STOP R1-1(2S)

101 R3-1(2S)

100 STOP R1-1(2S)

98 DO NOT ENTER R5-1(2S) DO NOT PLACE BEHIND STOP SIGN

99 NO PARKING DURING SCHOOL DAYS 8:00 AM TO 4:00 PM MOVE

SHEET 6 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 95	E

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

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

STH 142

McCANNA PKWY

13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00

97 W3-2 (2S) TEMP 16X16 ORANGE FLAGS

107 W2-6 (2S)

15 M.P.H. 108 W13-1(2S)

115 NO PARKING DURING SCHOOL DAYS 8:00 AM TO 4:00 PM MOVE

117 NO PARKING DURING SCHOOL DAYS 8:00 AM TO 4:00 PM MOVE

112 NO PARKING DURING SCHOOL DAYS 8:00 AM TO 4:00 PM MOVE

109 NO PARKING DURING SCHOOL DAYS 8:00 AM TO 4:00 PM MOVE

110 W11-2

111 W16-7L MOVE

S1-1 AHEAD S16-9P MOVE

SHEET 7 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 96 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023207_PS

PLOT DATE : 9/27/2016 9:49 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

214

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

118 W11-2(2S) AHEAD S16-9P (2S)

119

120 Bushnell Rd / Mc Canna Pkwy D1-62

122 W2-6 (2S)

123 15 M.P.H. W13-1(2S)

STREET NAME SIGN BY MUNICIPALITY

137 NO PASSING ZONE W14-3 (2S)

84 86 88 90 92 94 96 98

OLD STH 142 (BUSHNELL RD)

SIGN

MR2-1 JCT 124

MR1-99 RUSTIC ROAD 125

MR6-1 126

121 W6-3 (2S)

BERM

SIGN

WALL

SCALE

127 SPEED LIMIT 35 R2-1 (2S)

128 GROSS WEIGHT LIMIT 10 TONS MOVE LOCAL SIGN

MR1-99 RUSTIC ROAD 129

MR4-53 (2S) R42 NEXT 2.71 MILES 130

MR5-53(2S) 131

BERM

BREWER RD

133 END MR4-6(2S)

MR1-99(2S) RUSTIC ROAD

134

SPEED LIMIT 45 136 R2-1 (2S)

STOP 135 R1-1 (2S)

132 W3-1(2S)

ANT.

SEPTIC

SEPTIC

NOTE: "NO PASSING ZONE" PERMANENT SIGNS SHALL BE LOCATED AFTER PASSING ZONES HAVE BEEN ESTABLISHED.

SHEET 8 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 97	E

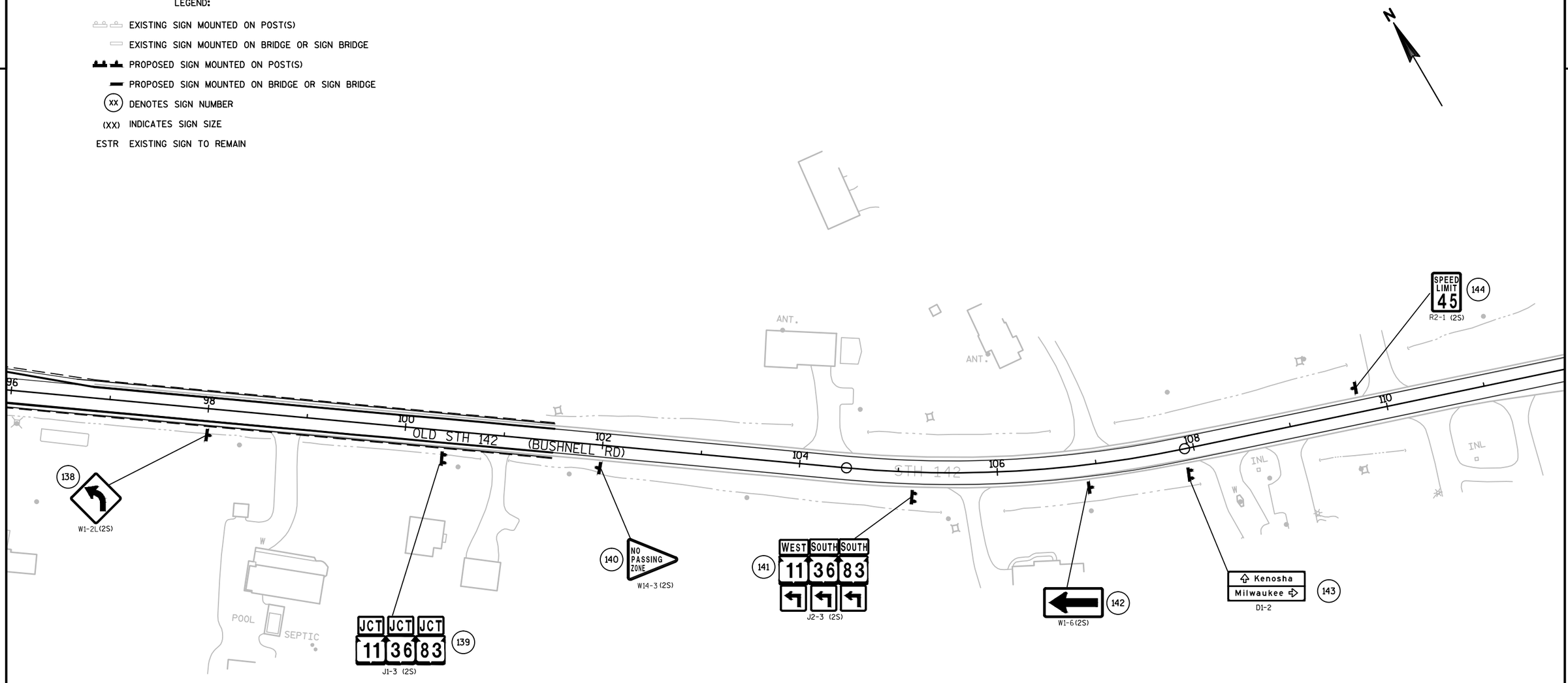
FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023208_PS

PLOT DATE : 9/27/2016 9:50 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

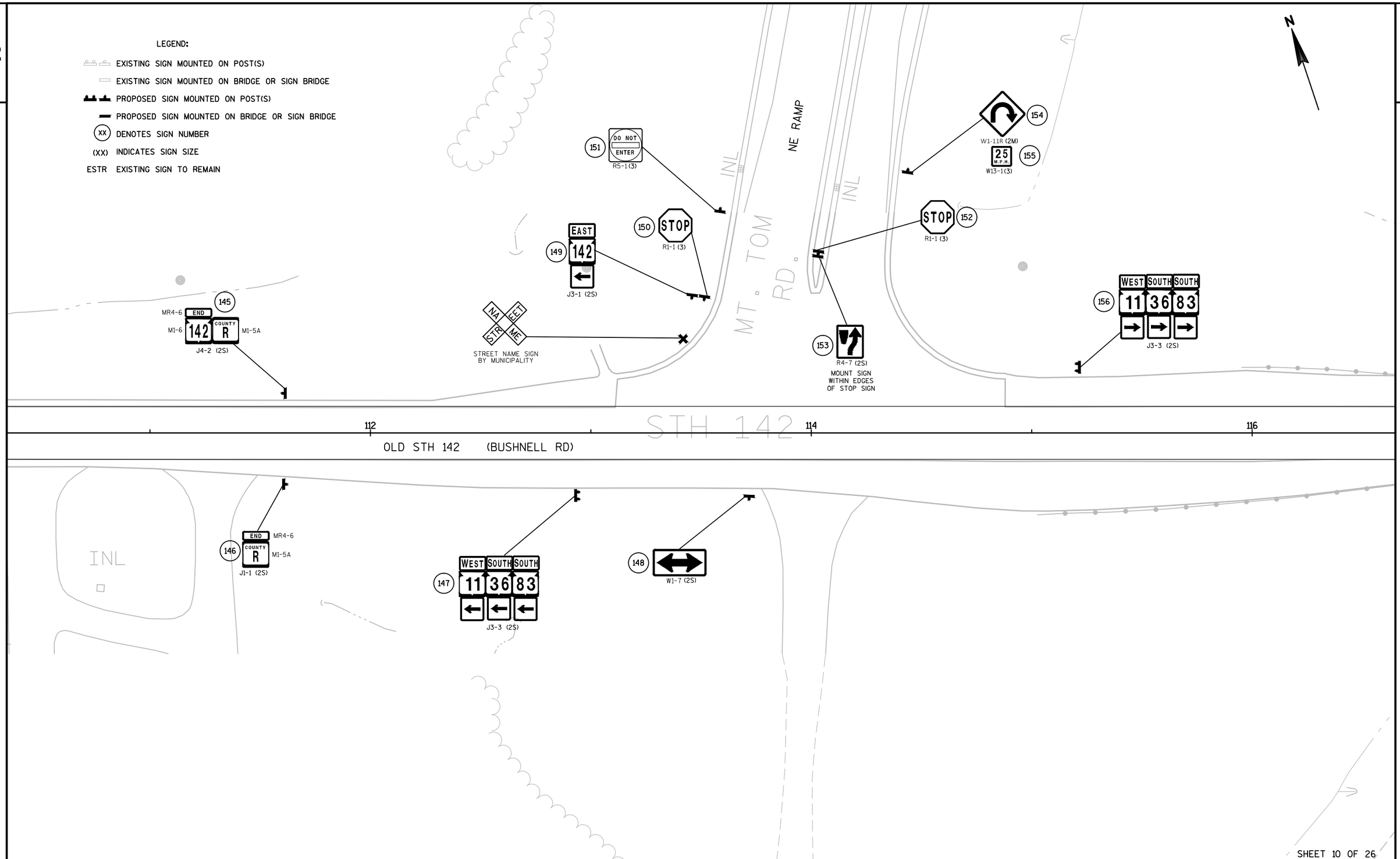


NOTE: "NO PASSING ZONE" PERMANENT SIGNS SHALL BE LOCATED AFTER PASSING ZONES HAVE BEEN ESTABLISHED.

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



2

SHEET 10 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 99	E

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

159 W5-52L(2S) 4' MOUNT HEIGHT

161 W5-52R(2S) 4' MOUNT HEIGHT

Burlington 162 D1-1

SIGN

INL

STH 142

118 120 122

EAST NORTH NORTH 11 36 83 157 J2-3 (2S)

158 W5-52R(2S) 4' MOUNT HEIGHT

160 W5-52L(2S) 4' MOUNT HEIGHT

Kenosha Milwaukee 163 D1-1

STH 11/36/83

SHEET 11 OF 26

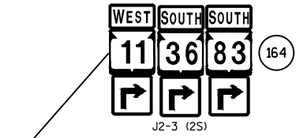
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 100	E

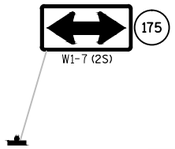
2

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N



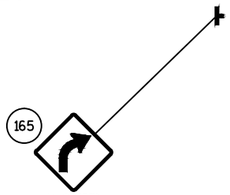


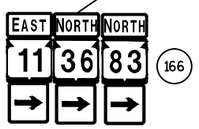
SIGN

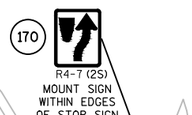
SIGN

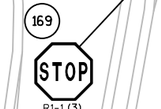
STH 142

122 124 126 128





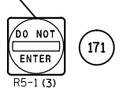


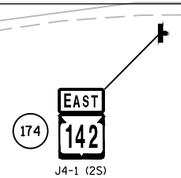


SW RAMP

INL

INL





SHEET 12 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 101	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023212_PS

PLOT DATE : 9/27/2016 9:50 AM PLOT BY : DODGE, BRIAN M 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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

MT TOM RD

STREET NAME SIGN
BY MUNICIPALITY

179 STOP
R1-1 (2S)

178
Burlington
Milwaukee
D1-2

SPONSOR
SPONSOR1
SPONSOR2
SPONSOR3
155-56
ESTR

/ SIGN

128 STH 142 130 132

177 STOP
SCHOOL BUS
FLASHING
RED LIGHTS
R59-51 (2S)

SIGN
180
W1-7 (2S)

SHEET 13 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 102	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023213_PS

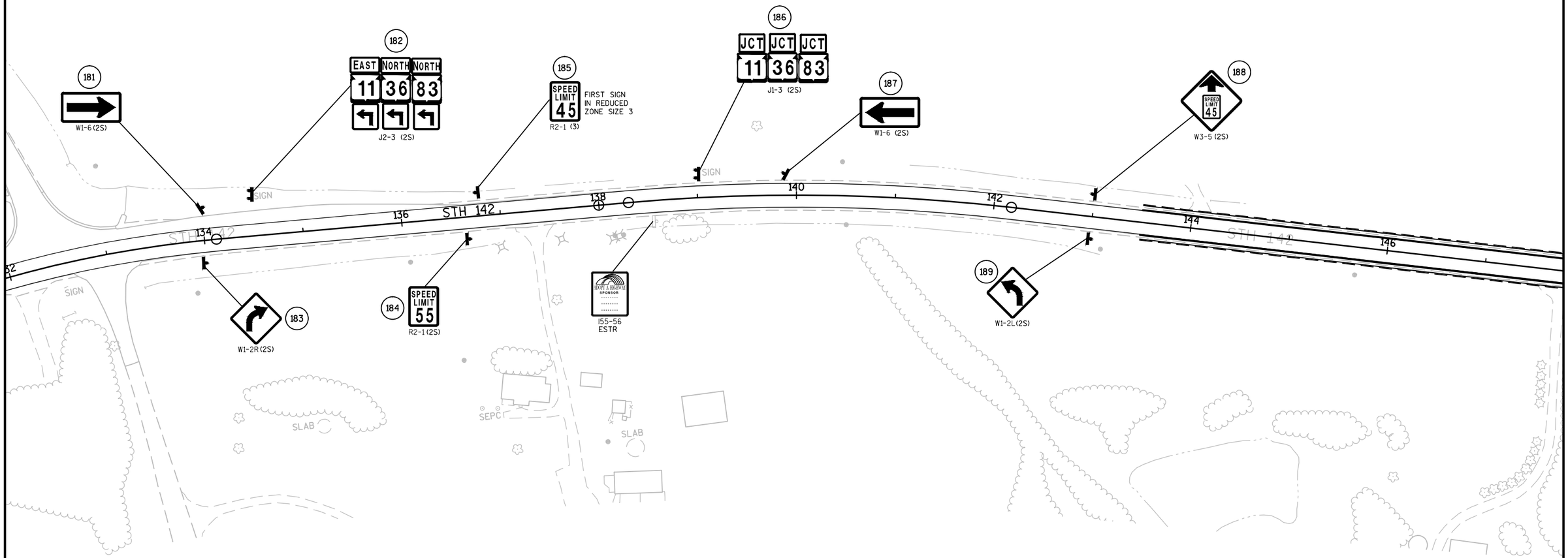
PLOT DATE : 9/27/2016 9:50 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 14 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 103	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023214_PS

PLOT DATE : 9/27/2016 9:50 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 15 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 104	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023215_PS

PLOT DATE : 9/27/2016 9:51 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

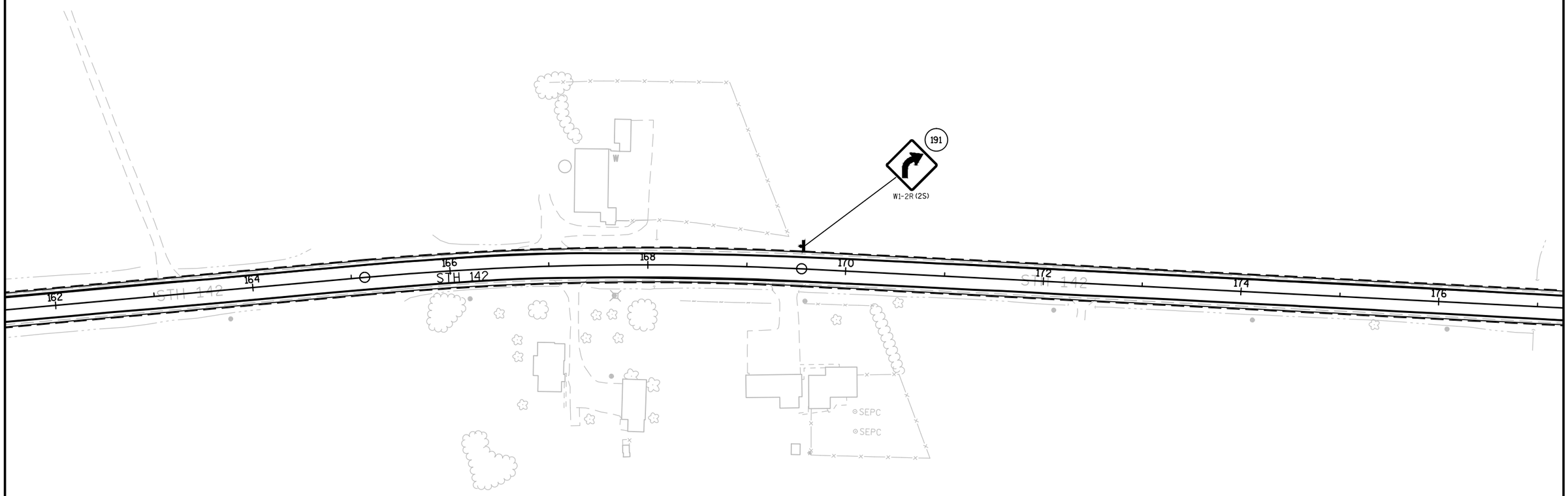
PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N



SHEET 16 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 105	E

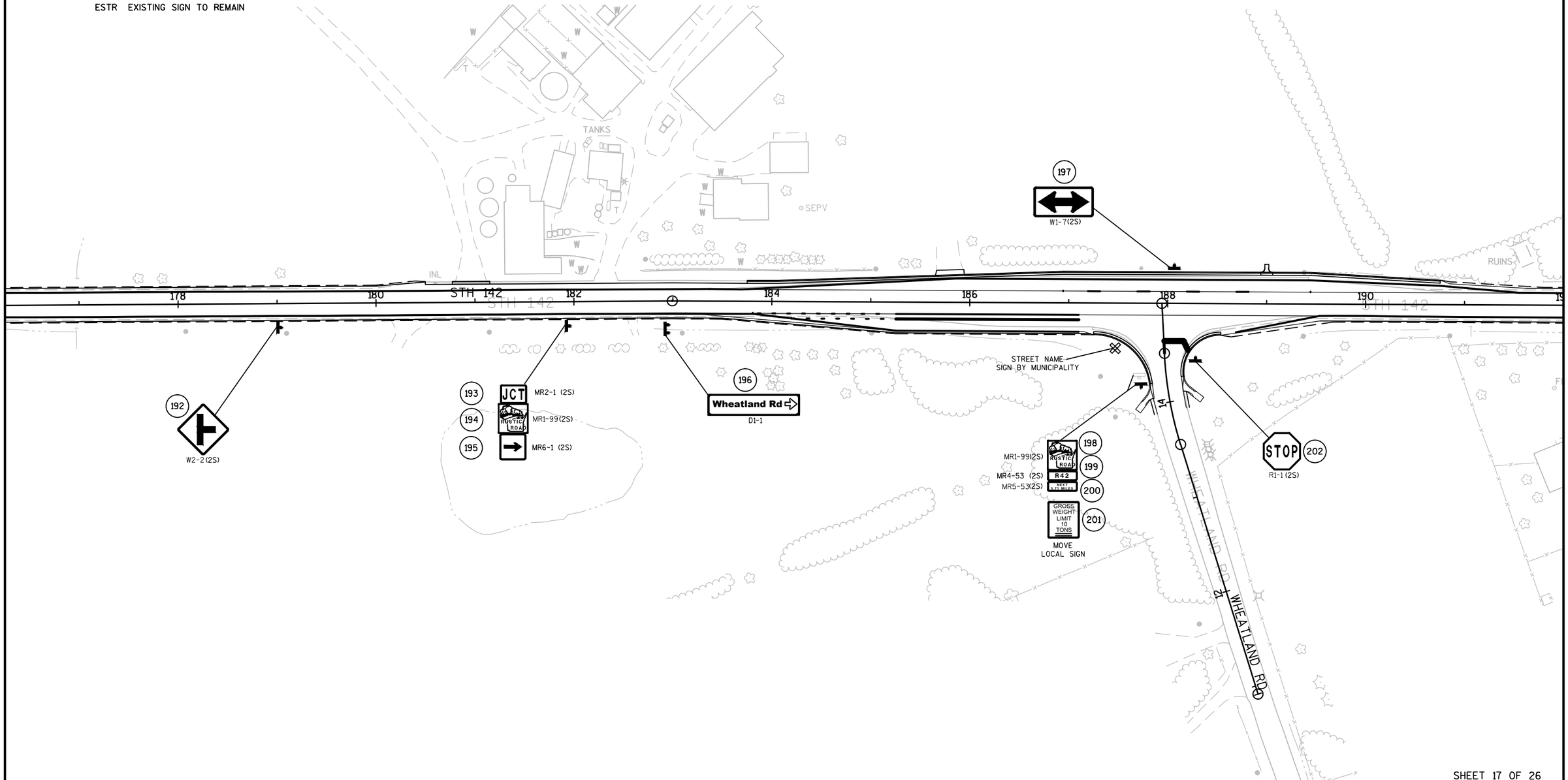
FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023216_PS

PLOT DATE : 9/27/2016 9:51 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



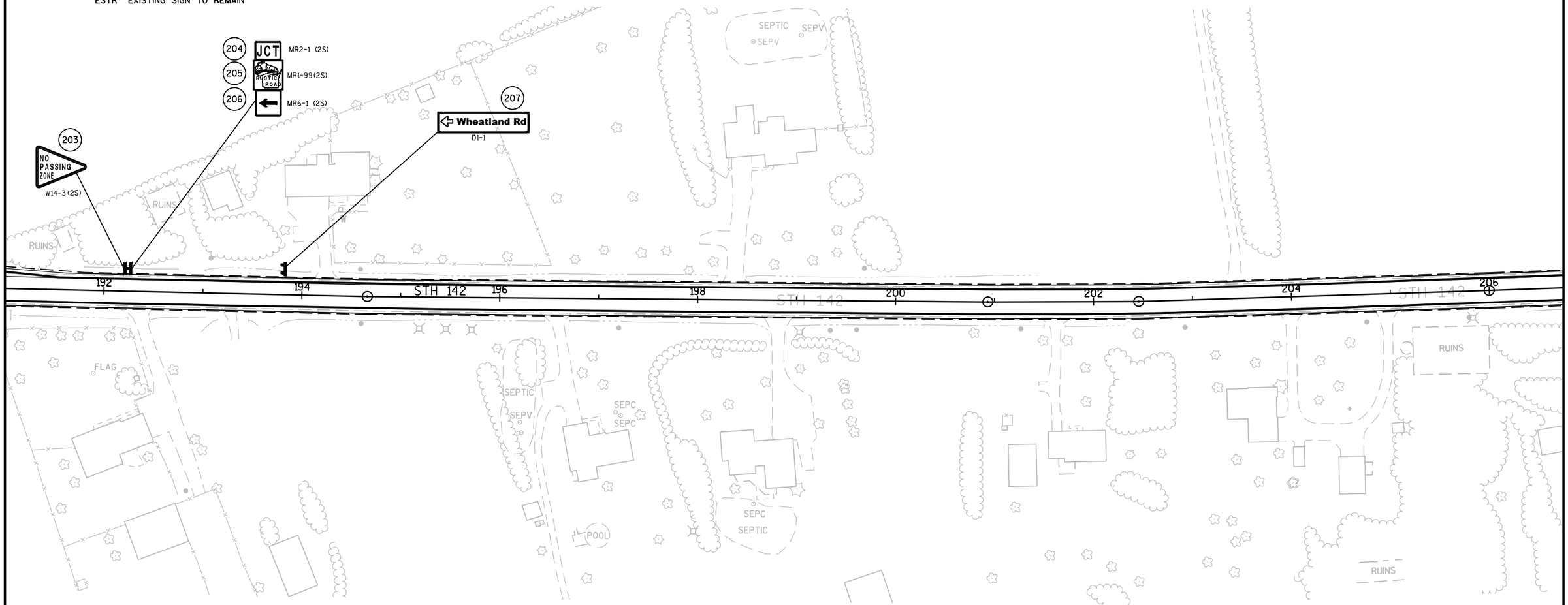
SHEET 17 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 106 E

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



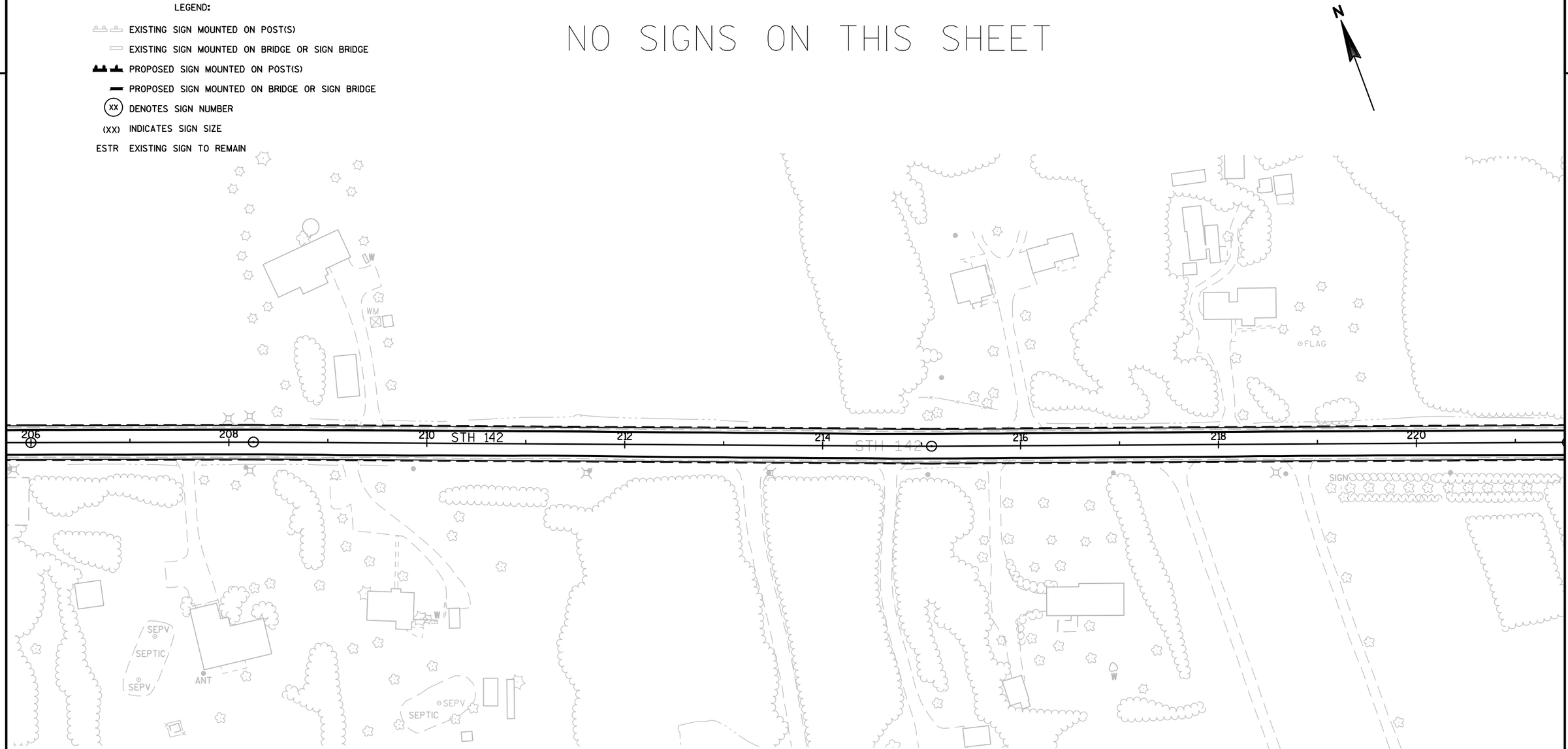
NOTE: "NO PASSING ZONE" PERMANENT SIGNS SHALL BE LOCATED AFTER PASSING ZONES HAVE BEEN ESTABLISHED.

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
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

NO SIGNS ON THIS SHEET



2

SHEET 19 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 108	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023219_PS

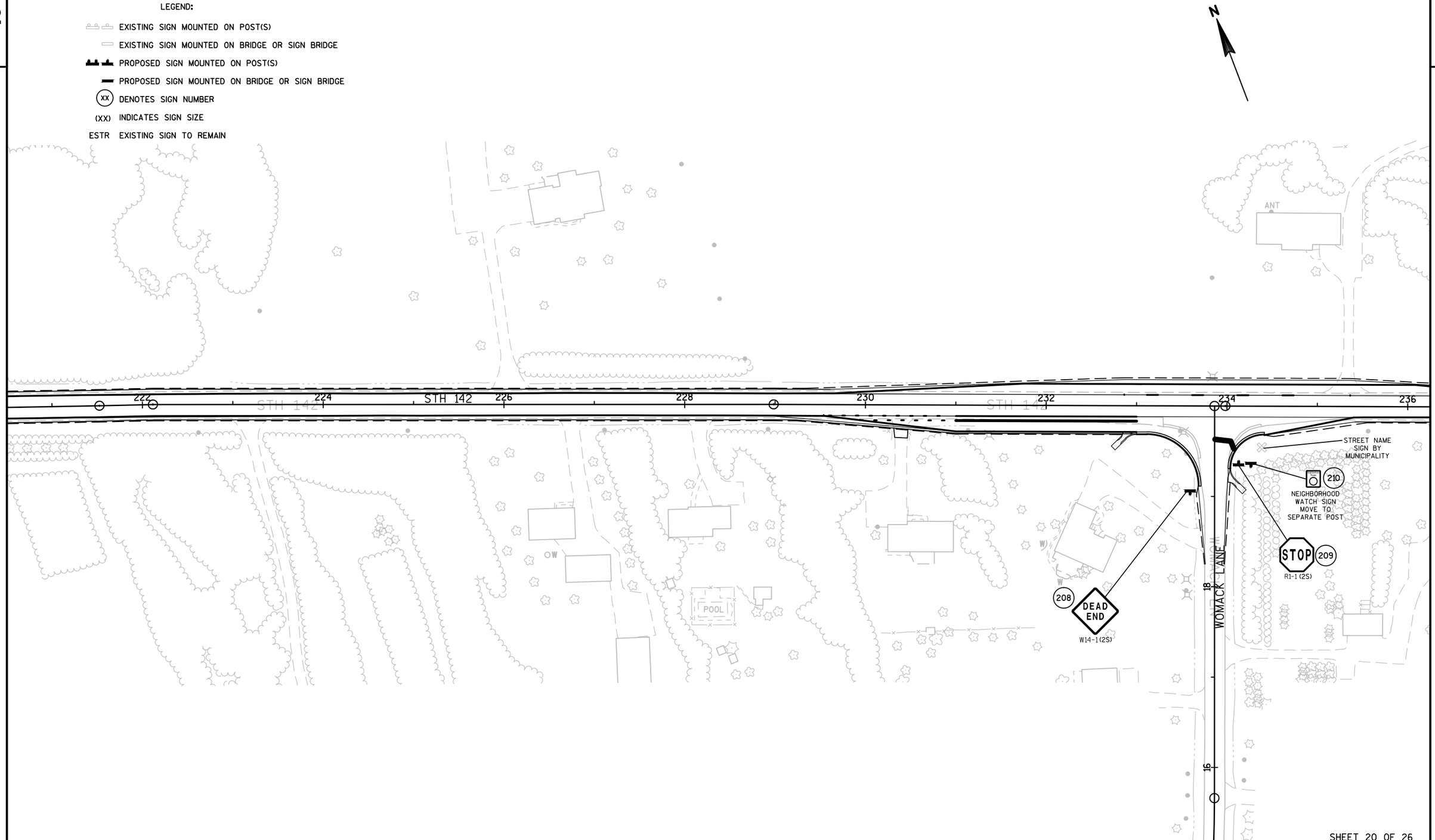
PLOT DATE : 9/27/2016 9:51 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



SHEET 20 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 109	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023220_PS

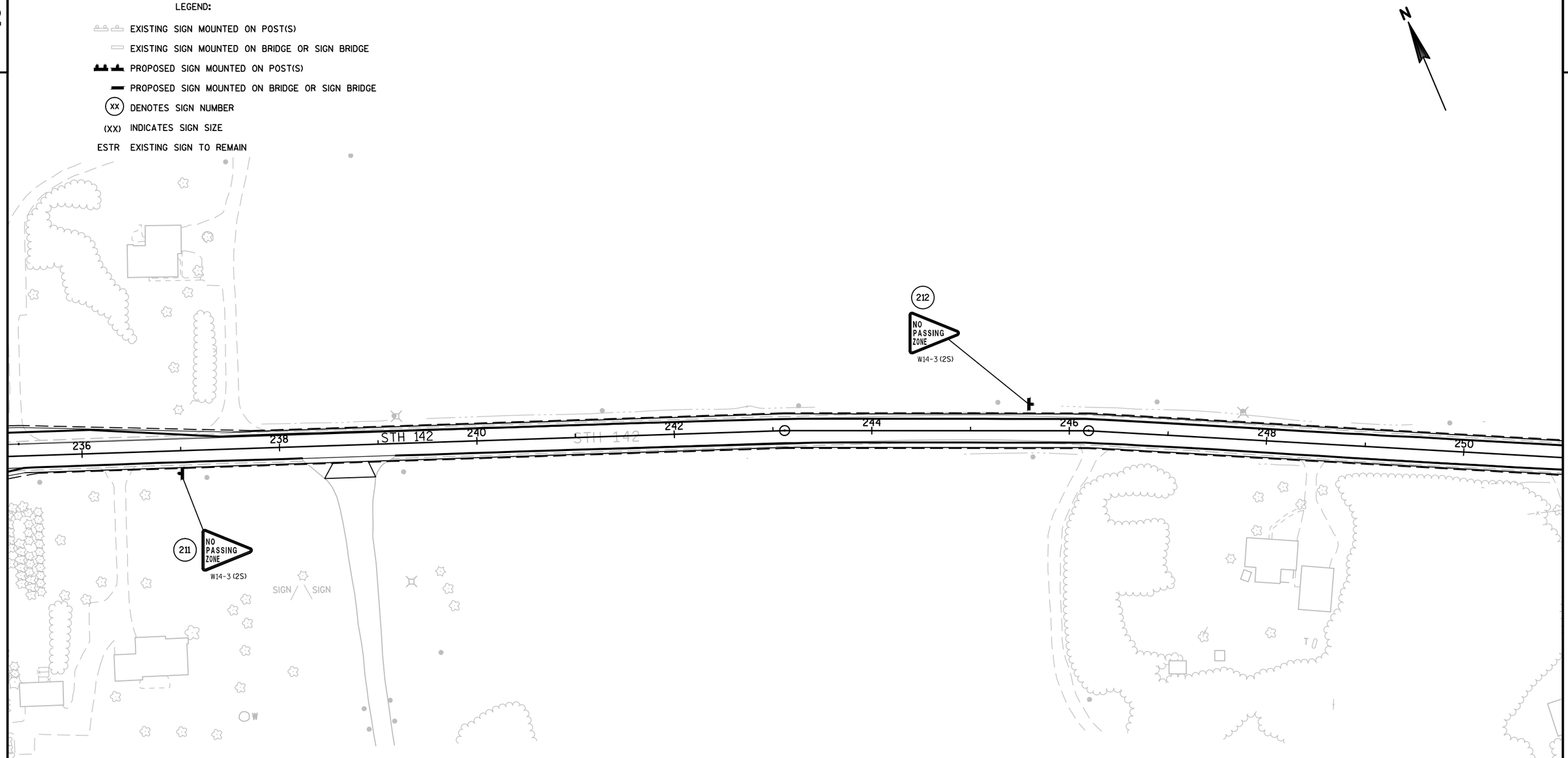
PLOT DATE : 9/27/2016 9:51 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN



NOTE: "NO PASSING ZONE" PERMANENT SIGNS SHALL BE LOCATED AFTER PASSING ZONES HAVE BEEN ESTABLISHED.

2

2

LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

N

HORSESHOE TR

14

HORSESHOE TR

SEPV

SEPTIC

SEPV

SIGN

STH 142

252

254

STH 142

256

258

260

STH 142

262

264

STREET NAME SIGN BY MUNICIPALITY

SIGN

213

DEAD END

W14-1 (2S)

STOP 214

R1-1 (2S)

8

SHABARK LANE

W

W

LW

SLAB

SHEET 22 OF 26

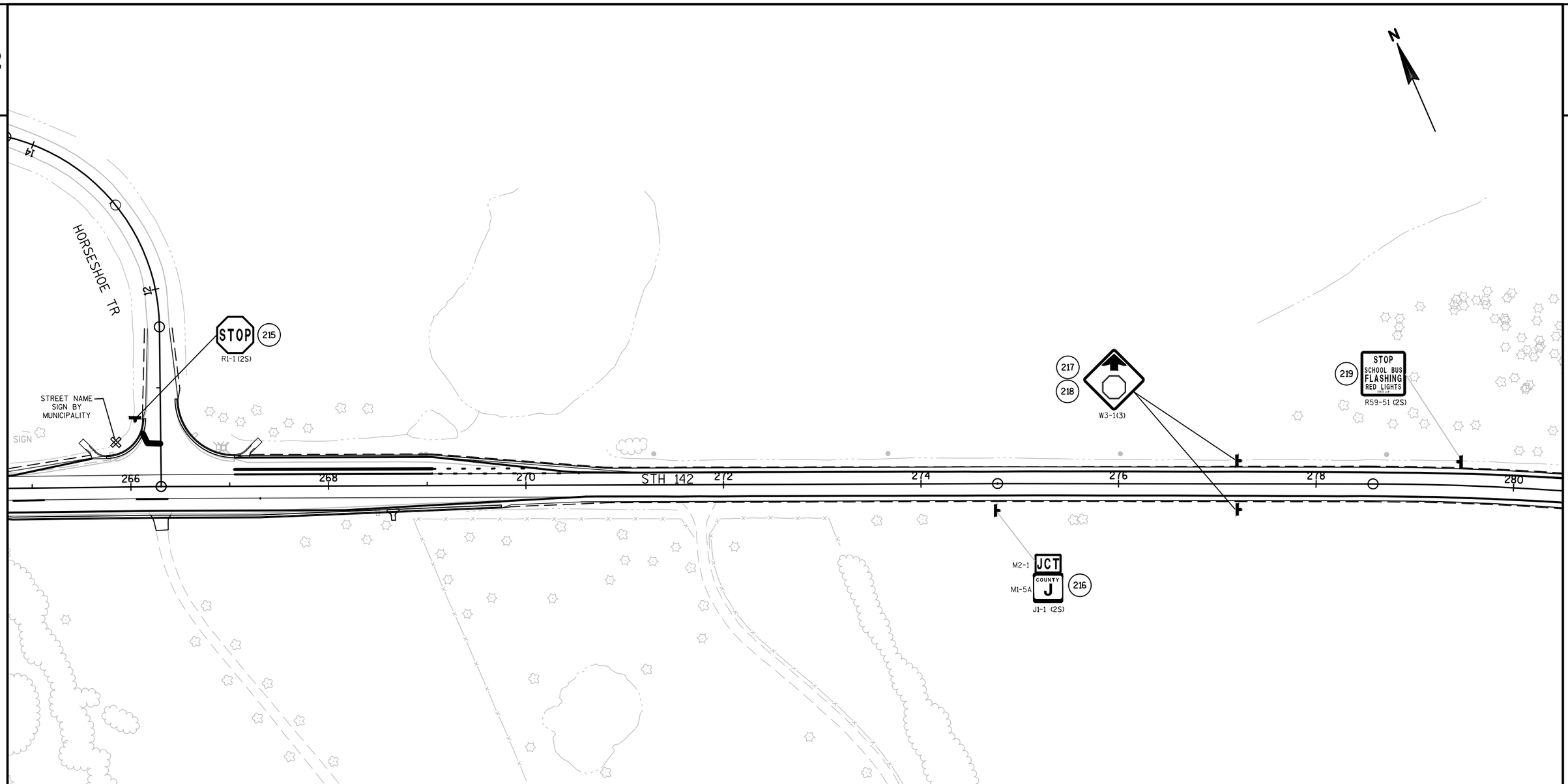
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 111 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023222_PS

PLOT DATE : 9/27/2016 9:51 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

2



LEGEND:

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- (XX) DENOTES SIGN NUMBER
- (XX) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN

SHEET 23 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 112 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023223_PS

PLOT DATE : 9/27/2016 9:52 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

2

2

LEGEND:

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

N

TANKS

CTH J (312TH AVE.

STH 142

280

282

284

286

220

SPONSOR

I55-56
MOVE

221

M3-4 WEST M1-6

142

J4-1 (2S)

222

Racine Co

I2-2

OVERHEAD
SIGN SUPPORT
S-51-238

M3-1 NORTH SOUTH M3-3

M1-5A COUNTY J COUNTY J M1-5A

M6-1 M6-1

J3-2 (2S)

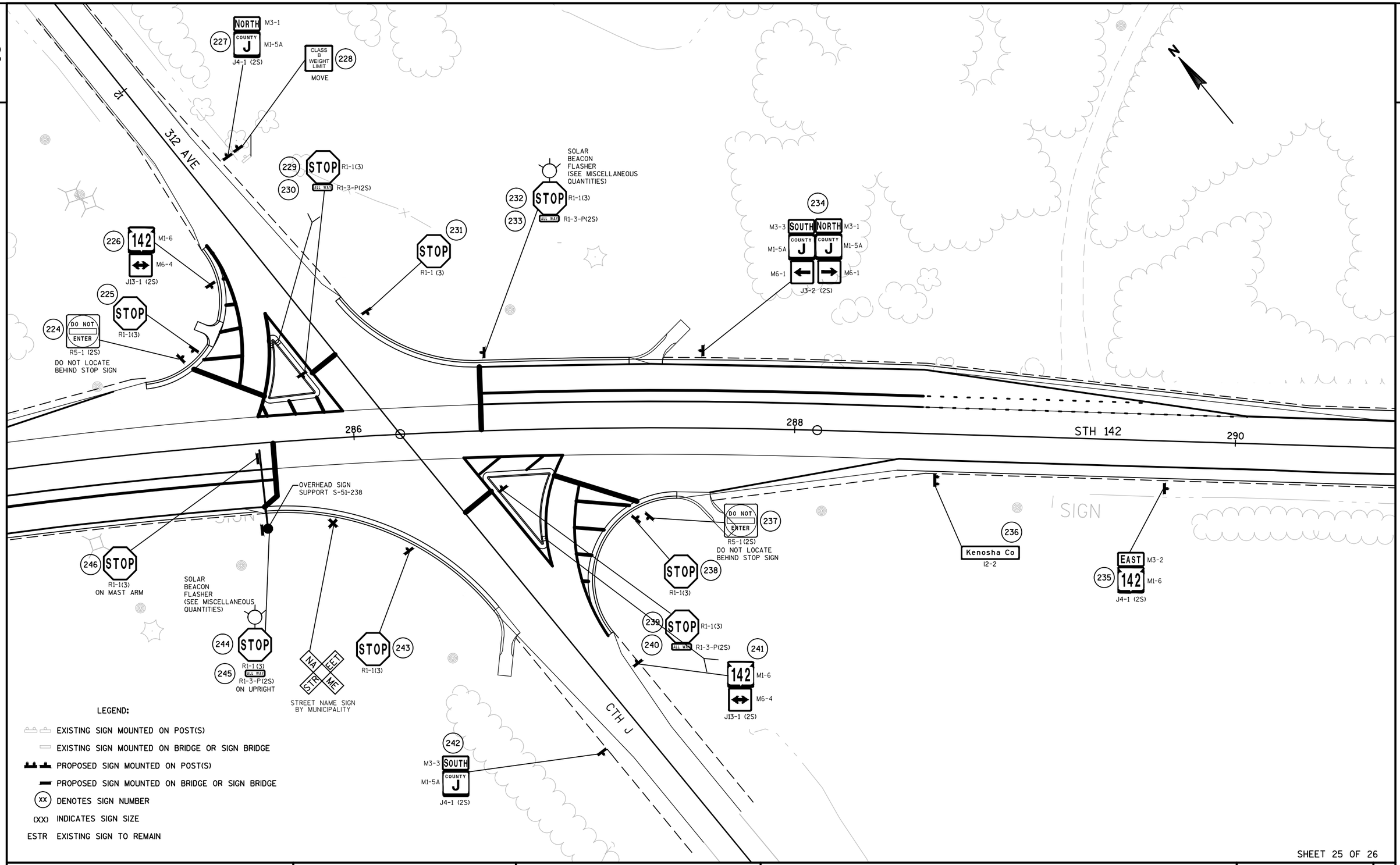
223

SHEET 24 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 113 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023224_PS

PLOT DATE : 9/27/2016 9:52 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:40 FT



SHEET 25 OF 26

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 114	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023225_PS

PLOT DATE : 9/27/2016 9:52 AM PLOT BY : DODGE, BRIAN M 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

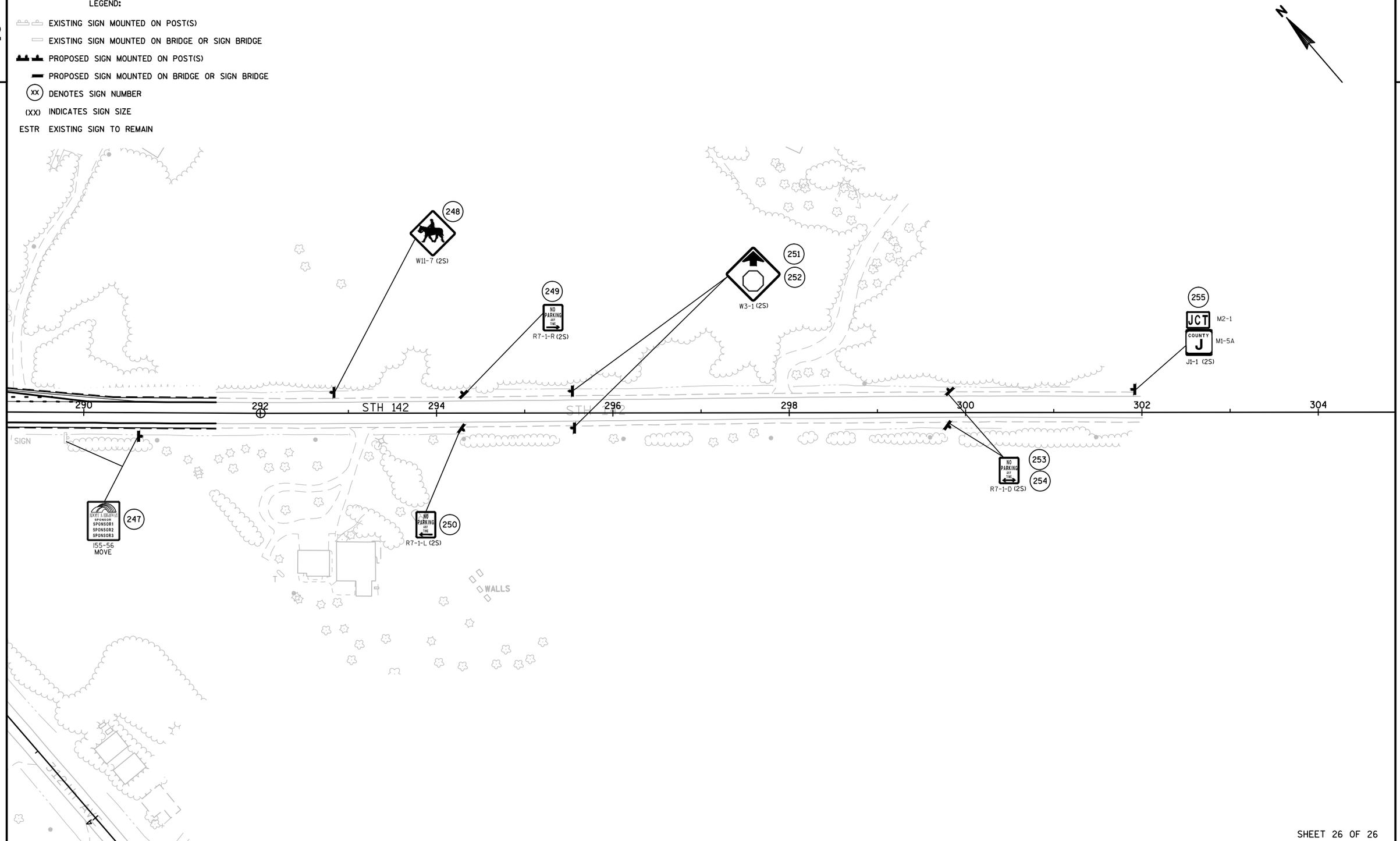
PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

(XX) DENOTES SIGN NUMBER

(XX) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN



SHEET 26 OF 26

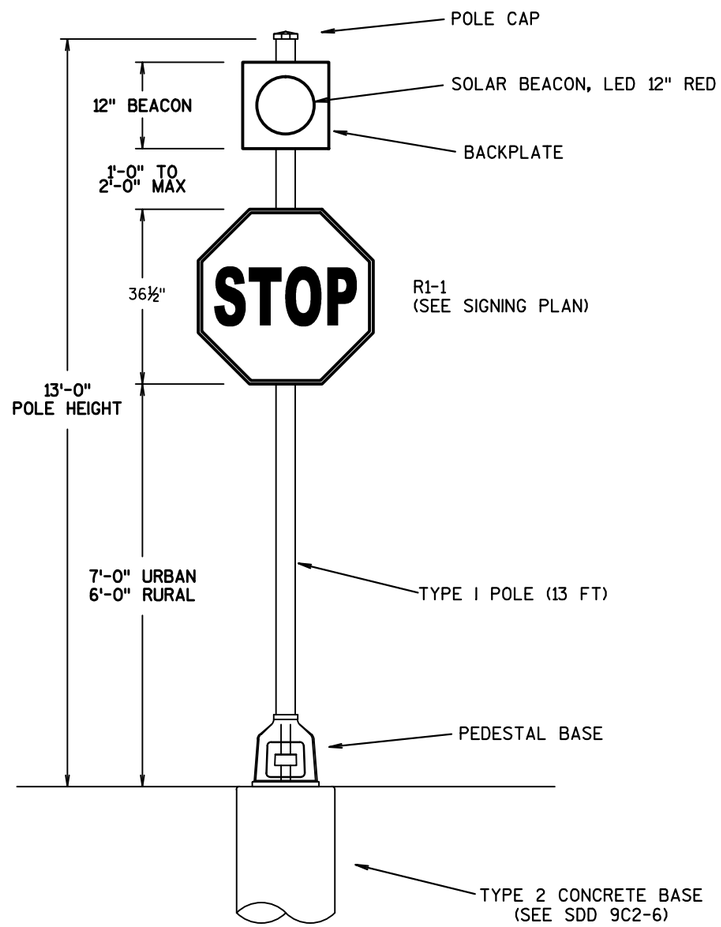
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMAMENT SIGNING	SHEET 115 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023201_PS.DWG
LAYOUT NAME - 023226_PS

PLOT DATE : 9/27/2016 9:52 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:100 FT

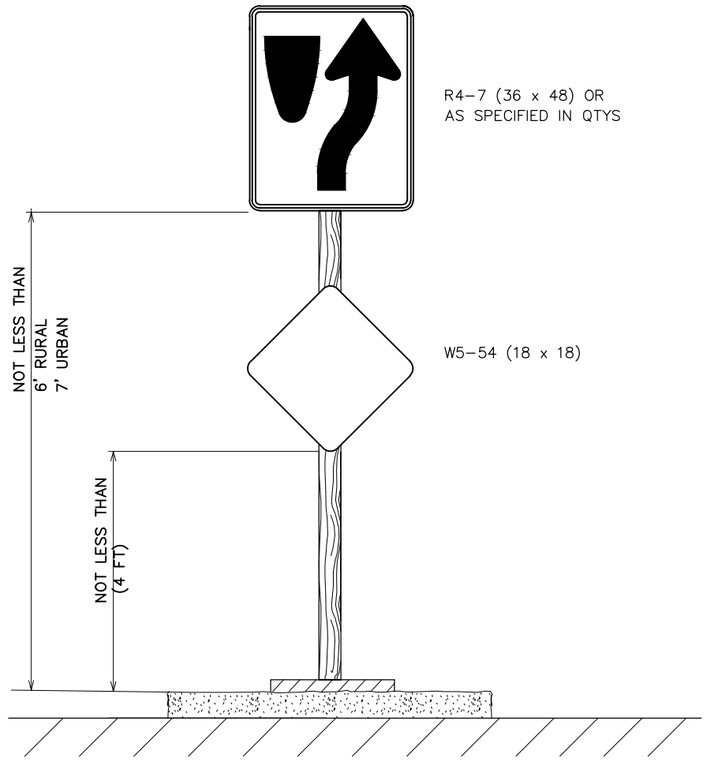
WISDOT/CADDS SHEET 42

2



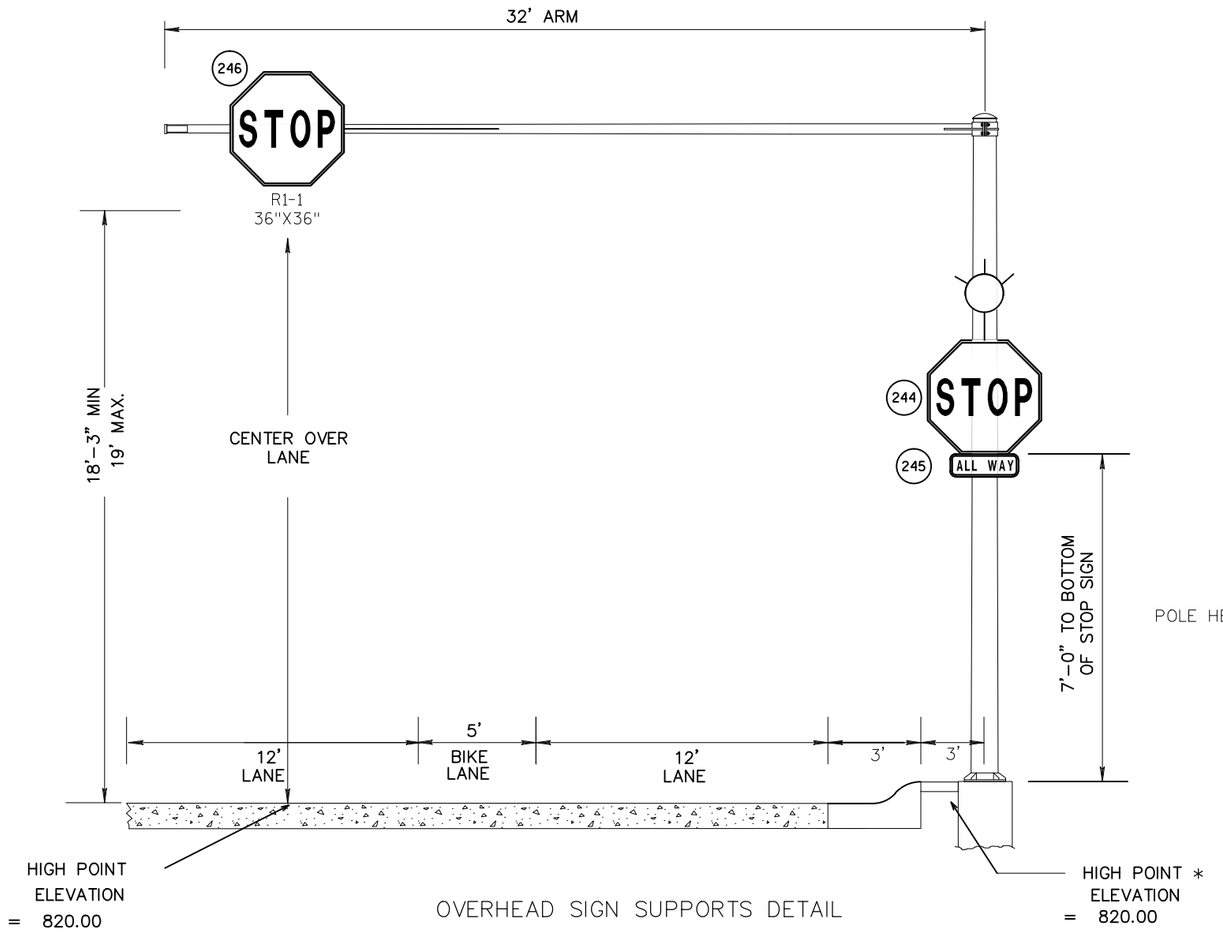
12' SOLAR BEACON ASSEMBLY
(STOP SIGN APPLICATION)

2



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

2



OVERHEAD SIGN SUPPORTS DETAIL

S-51-238

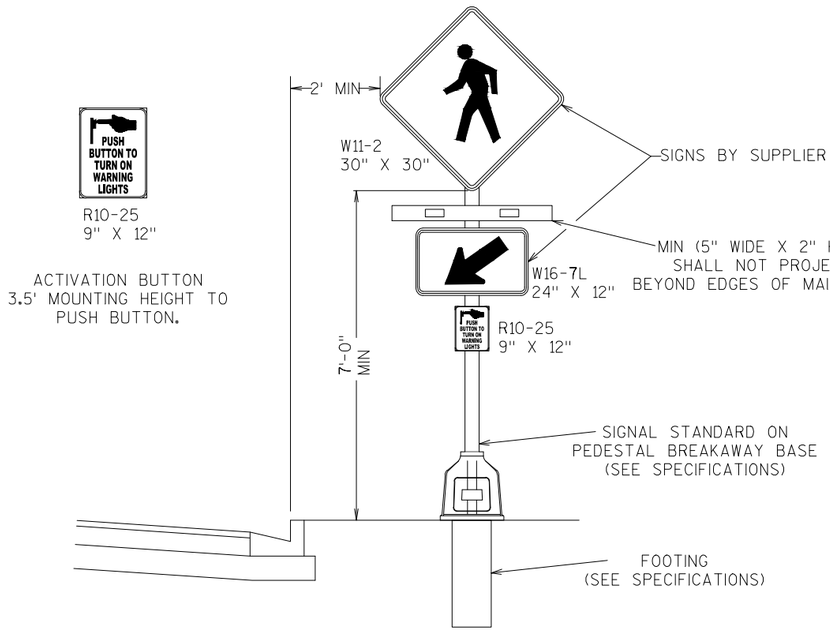
STH 142 EASTBOUND @ CTH J
STATION 285+60

NOTE, CONTRACTOR SHALL:
1.) SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2.) PROVIDE DESIGN CALCULATIONS.
3.) SHOW SIGNS ON SHOP DRAWINGS.
4.) I.D. PLAQUE INCIDENTAL TO SIGN SUPPORT
5.) 6ANCHER RODS SHALL BE USED PER SDD

CONTRACTOR TO USE SDD, 36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE, INCIDENTAL TO STRUCTURE

MOUNTING BRACKETS FOR SIGNS TO BE APPROVED FROM PRODUCT LIST FOR TYPE II SIGNS

2



RAPID RECTANGULAR
FLASHING BEACON

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PEDESTRIAN SIGN FOR RRFB INSTALLATION	SHEET 119	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\023401_PS.DWG
LAYOUT NAME - 023404_PS

PLOT DATE : 10/27/2016 1:23 PM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE :

2

STA. 73+71.9, 41.3'RT
CB–3–3 (LED B)

STH 142

STA. 75+18.4, 35.3'RT
CB–3–2 (LED B)

STA. 11+70.8, 24.6'LT
CB–3–6 (LED B)

McCANNA PKWY

STA. 10+19.2, 38.2'LT
CB–3–5 (LED C)

STA. 77+14.4, 72.6'LT
CB–3–4 (LED C)

STA. 77+06.1, 70.3'LT
LPB–4
(1)

STA. 76+67.8, 32.0'RT
CB–3–1 (LED C)

STA. 77+02.0, 44.5'RT
LPB–3

LIGHTING CONTROL CABINET 'CB'
STA. 77+15, 79.5'RT

STA. 09+65.6, 78.2'RT
CB–1–6 (LED C)

STA. 78+88.5, 44.7'LT
LPB–2

STA. 79+39.3, 37.6'LT
CB–1–5 (LED C)

STA. 80+62.9, 37.7'LT
CB–1–4 (LED B)

STA. 82+06.5, 40.6'LT
CB–1–3 (LED B)

STA. 77+46.7, 65.9'RT
CB–1–1 (LED C)

STA. 78+70.8, 70.2'RT
LPB–1
(1)

STA. 78+44.8, 77.9'RT
CB–1–2 (LED C)

BERM

BARBED WIRE FENCE

N

LIGHTING PLAN LEGEND:

- SINGLE LIGHTING UNIT: TYPE 5 POLE, 15–FT TRUSS TYPE MAST ARM, STANDARD TRANSFORMER BASE, LED LUMINAIRE, TYPE 5 CONCRETE BASE
- EXISTING PARKING LOT LIGHTING UNIT
- LIGHTING CONTROL CABINET
- PULL BOX STEEL 24X42–INCH
- RIGID NONMETALLIC SCHEDULE 40 2–INCH CONDUIT WITH 2–8 AWG & 1–8 AWG GROUND CONDUCTORS

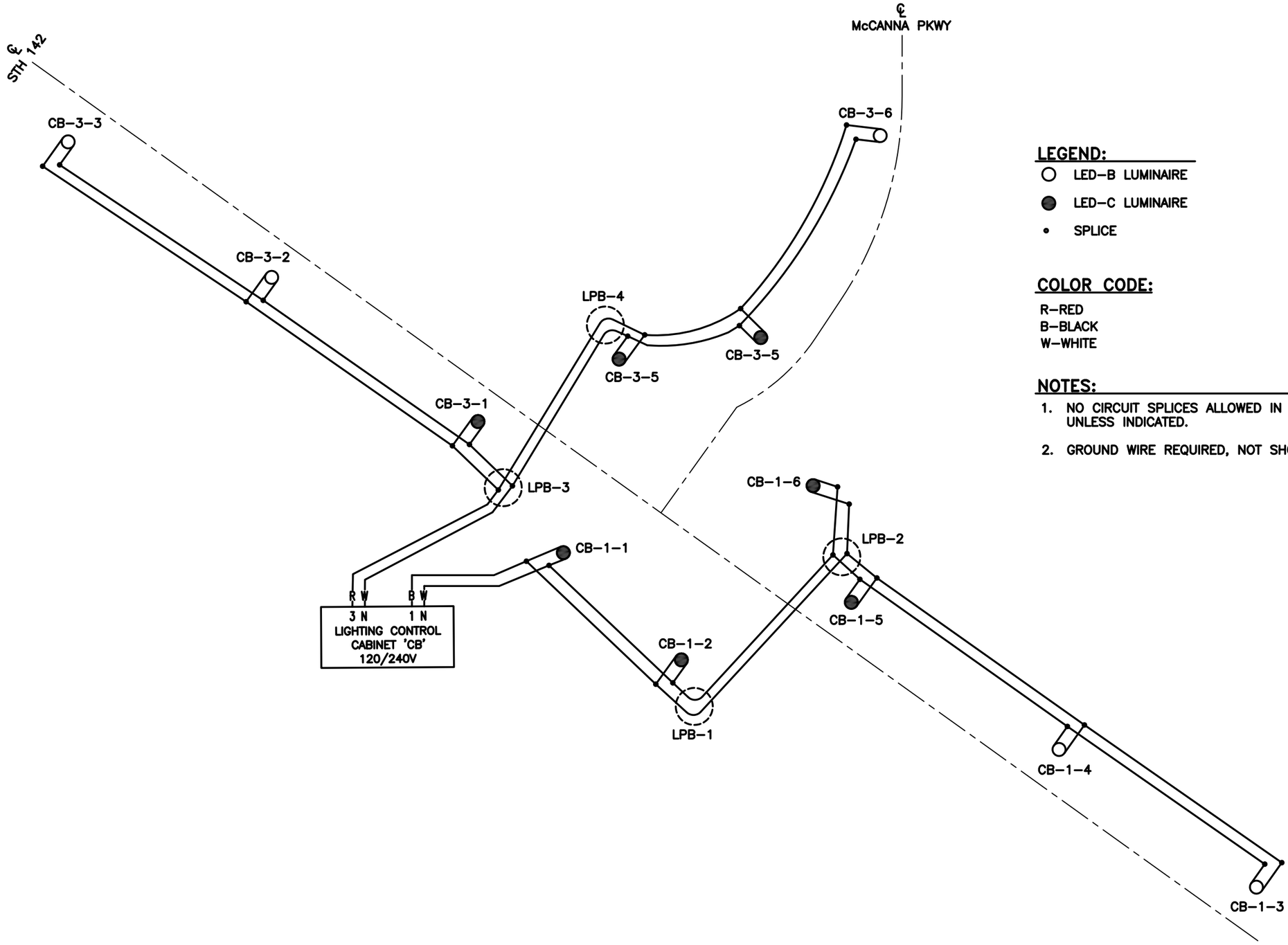
STA. 75+00, 10.0'RT — STATION/OFFSET (LOCATION)
/CB–1–1 (LED B) OR LPB–1
- PULL BOX NUMBER
- LUMINAIRE TYPE
- POLE NUMBER
- CIRCUIT NUMBER
- CONTROL CABINET (SOURCE)

KEYED NOTE:

(1) NO SPLICES ALLOWED IN PULL BOX, EXCEPT FOR GROUNDING CONDUCTOR TO BOND PULL BOX.

DESIGNED BY: POWRTEK ENGINEERING, INC. SHEET 1 OF 3

PROJECT NO: 3370-05-00	HWY: STH 142	COUNTY: RACINE	LIGHTING PLAN	SHEET NO: 120	E



N

LEGEND:

- ○ LED–B LUMINAIRE
- ● LED–C LUMINAIRE
- • SPLICE

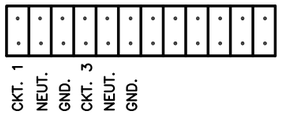
COLOR CODE:

R–RED
B–BLACK
W–WHITE

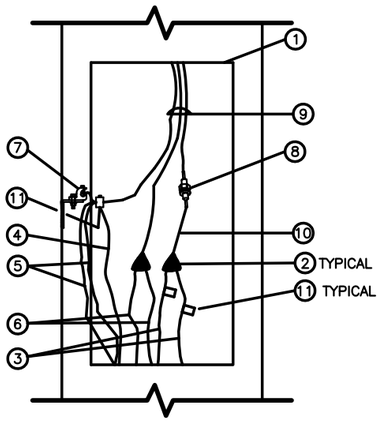
NOTES:

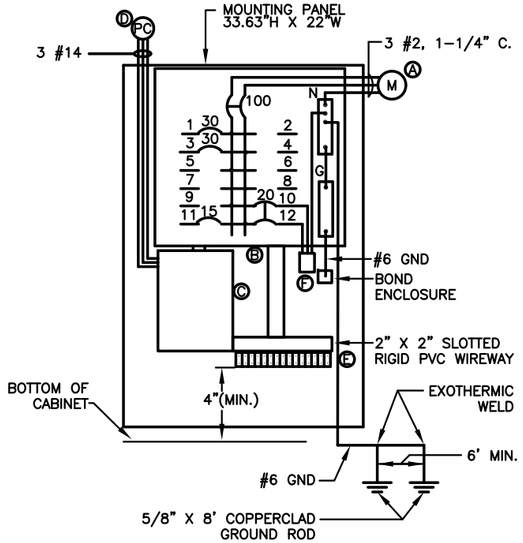
1. NO CIRCUIT SPLICES ALLOWED IN PULL BOXES UNLESS INDICATED.
2. GROUND WIRE REQUIRED, NOT SHOWN.

2



TERMINAL BLOCK LAYOUT
NOT TO SCALE





EQUIPMENT LAYOUT
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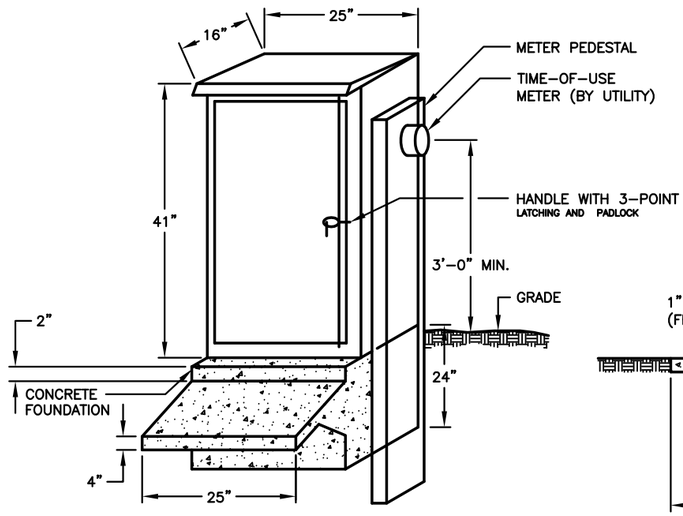
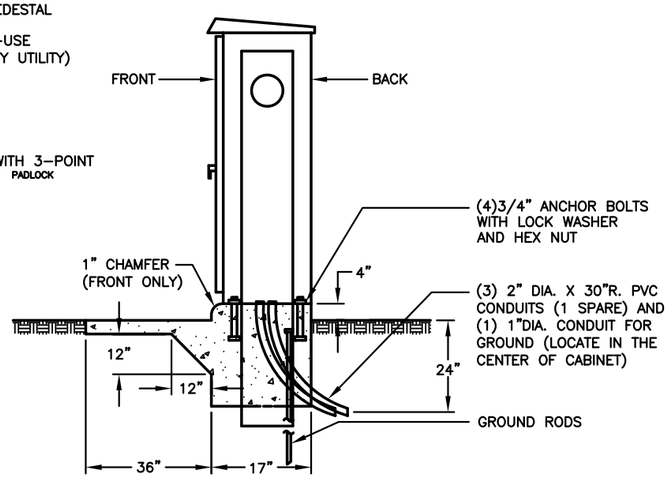


CABINET VIEW
NOT TO SCALE



SIDE VIEW
NOT TO SCALE

POLE WIRING NOTES:

1. HANDHOLE AND COVER
2. INSULATED SPLICE
3. UNGROUNDED CONDUCTORS
4. #8 CONDUCTOR TO GROUND ROD
5. SYSTEM GROUNDING CONDUCTORS
6. GROUNDED CONDUCTOR (NEUTRAL)
7. HANDHOLE GROUNDING LUG
8. INLINE 1-POLE FUSE ASSEMBLY AND 5A KTK FUSES. WEATHERPROOF BOOTS.
9. 3#12 RHW/USE (XLP) TO LUMINAIRE
10. 12" PIGTAIL BETWEEN SPLICE AND FUSE ASSEMBLY
11. CIRCUIT TAG
12. REVERSIBLE PRESSURE OR COMPRESSION GROUNDING CONNECTION (NOT INSULATED)

POLE WIRING DETAIL
NO SCALE

EQUIPMENT LAYOUT NOTES:

- (A) UTILITY APPROVED 0-200A, 1PH, 3W, 120/240V METER PEDESTAL
- (B) 100A MCB, 120/240V, 1PH, 3W, 12CKT. LOADCENTER WITH (2)30A/1P (LTG), (1)20A/2P (SURGE ARRESTER) & (1)15A/1P (CONTROL) PLUG-ON BRANCH CIRCUIT BREAKERS, RATED 22K AIC (MIN.).
- (C) 30A, 8P, 600V ELECTRICALLY HELD CONTACTOR, WITH 120V CONTROL COIL, AND HAND-OFF-AUTO SWITCH IN FACTORY ASSEMBLED NEMA 1 ENCLOSURE.
- (D) PHOTOCELL INSTALLED IN OVERHANG OF CABINET ABOVE DOOR (FACING DOWN).
- (E) FIELD WIRING TERMINATION STRIP (12 BLOCKS).
- (F) SURGE ARRESTER.

LIGHTING CONTROL CABINET NOTES:

1. ALL CONTROL WIRING SHALL BE COLOR CODED #14 AWG, XLP UNLESS OTHERWISE NOTED.
2. ALL POWER AND CONTROL WIRING SHALL BE NEATLY ROUTED, LABELED AND SUPPORTED.
3. THE LIGHTING CONTROL CABINET SHALL BE COMPLETELY WIRED UP TO THE FIELD WIRING TERMINATION STRIP IN THE CONTRACTORS SHOP AND TESTED PRIOR TO INSTALLATION AT THE SITE.
4. A COPY OF THIS SET OF PLANS WITH AS-BUILT (RECORD) CONDITIONS SHALL BE PUT IN A PLASTIC PROTECTOR IN THE CABINET.
5. THE CONTRACTOR SHALL COMPLY WITH UTILITY INSTALLATION REQUIREMENTS.
6. USE #10 AWG XLP CONDUCTORS FROM THE 30A CB'S TO THE FIELD WIRING TERMINATION STRIP. PROVIDE A GROUND WIRE AND NEUTRAL WIRE TO FIELD WIRING TERMINATION STRIP FROM PANELBOARD FOR EACH UNDERGROUND CABLE RUN TO LIGHTING UNITS AS REQUIRED. ROUTE CIRCUITS 1 & 3 (LUMINAIRES ONLY) THROUGH THE CONTACTOR.
7. CABINET TO OPEN AWAY FROM ROADWAY.

LIGHTING CONTROL CABINET
NOT TO SCALE

2

2

CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN
2. DRAWINGS ARE A SCHEMATIC FOR SIGHT LOCATION PURPOSES ONLY AND DO NOT REPRESENT ACCURATE GEOMETRY OF THE INTERSECTION OR EXACT LOCATION OF EQUIPMENT.
3. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT
4. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED

N

RACINE COUNTY

KENOSHA COUNTY

CTH J

STH 142

85

90

WP1

CA1

SB1

SEE SIGNING PLAN FOR REMOVAL OF FLASHING BEACON ASSEMBLY

SB2

SEE SIGNING PLAN FOR REMOVAL OF FLASHING BEACON ASSEMBLY

CA2

WP2

NOTE:
SOLAR POWER.

LEGEND

- CONTROLLER ASSEMBLY
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- (R) RED CIRCULAR INDICATOR
- [X] SIGNAL HEAD NUMBER
- WPX WOOD POLE

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING
BOLD REPRESENTS ITEMS TO BE REMOVED

FLASHER SIGNAL REMOVAL

STH 142 & CTH J
TOWN OF BURLINGTON/TOWN OF BRIGHTON
RACINE / KENOSHA COUNTY

SIGNAL NO. F51-0448 CONTROLLER TYPE:

REGION CONTACT: D. WOLFORD
DESIGNED BY:
REVISED BY: BMD

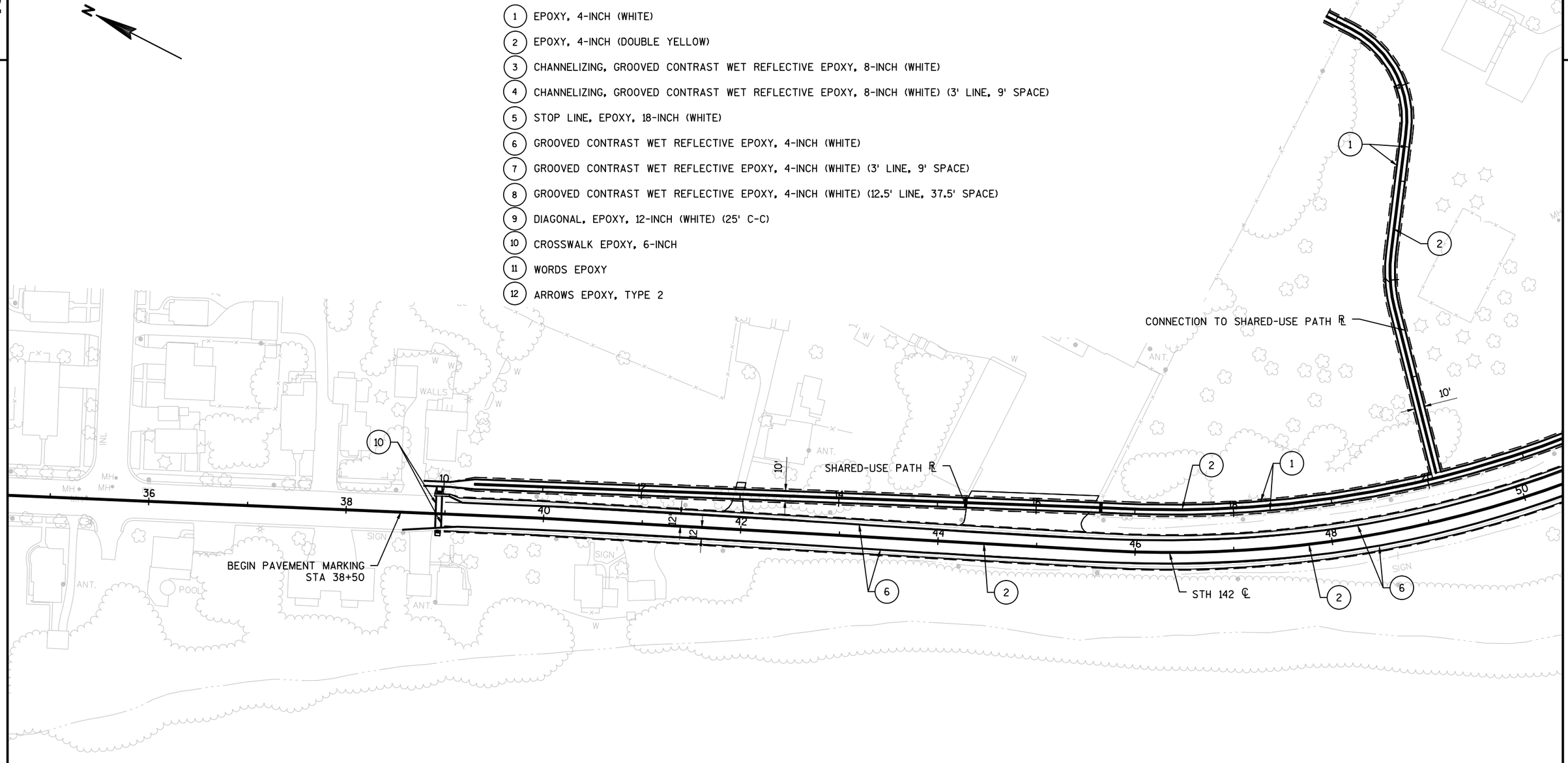
PAGE 1 OF 1

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: KENOSHA	FLASHER SIGNAL REMOVAL	SHEET 123	E

2

PAVEMENT MARKING LEGEND

1. EPOXY, 4-INCH (WHITE)
2. EPOXY, 4-INCH (DOUBLE YELLOW)
3. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE)
4. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE) (3' LINE, 9' SPACE)
5. STOP LINE, EPOXY, 18-INCH (WHITE)
6. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE)
7. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (3' LINE, 9' SPACE)
8. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (12.5' LINE, 37.5' SPACE)
9. DIAGONAL, EPOXY, 12-INCH (WHITE) (25' C-C)
10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2



NOTE:

- LOCATE NO PASSING ZONE:
  STA 38+50 TO 101+50
  STA 143+50 TO 291+50
- SEE S.D.D. 15C33 FOR STOP LINE LOCATIONS AT INTERSECTIONS.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 124	E

2

CONNECTION TO MULTI-USE PATH ℄

MH

ATHLETIC FIELD

ATHLETIC FIELD

BLEACHERS

ATHLETIC FIELD

N

10'

SHARED-USE PATH ℄

SIGN

5'

5'

12

12

STH 142 ℄

END PAVEMENT MARKING
STA 62+91

PLAYGROUND

PAVEMENT MARKING LEGEND

1. EPOXY, 4-INCH (WHITE)
2. EPOXY, 4-INCH (DOUBLE YELLOW)
3. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE)
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10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

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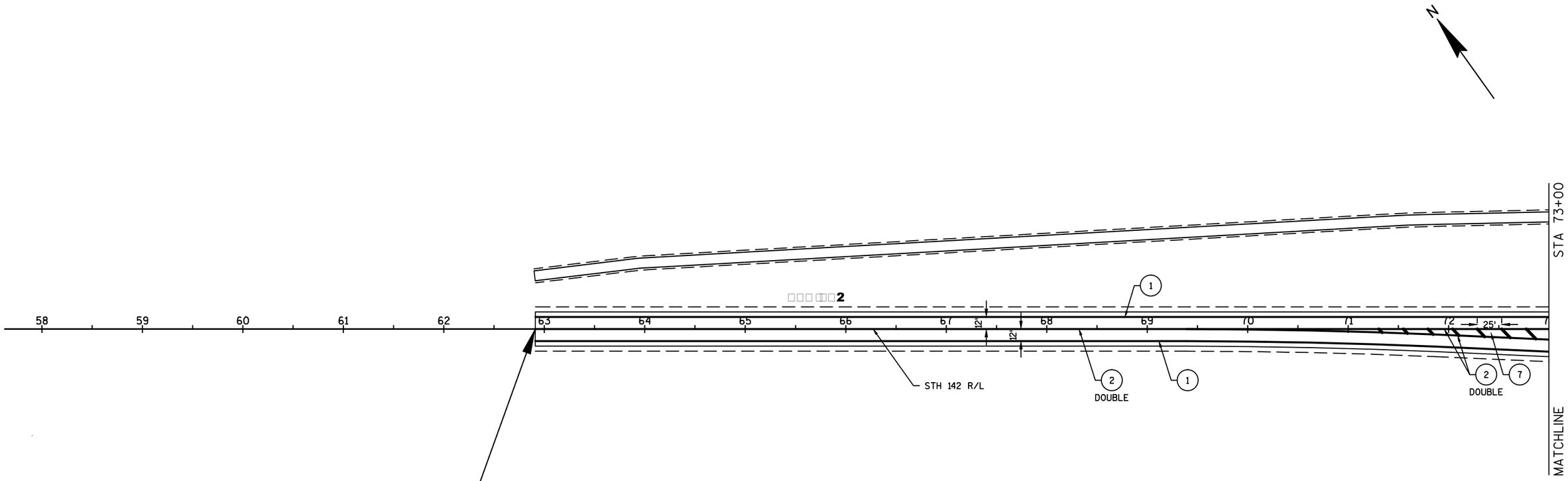
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 125	E

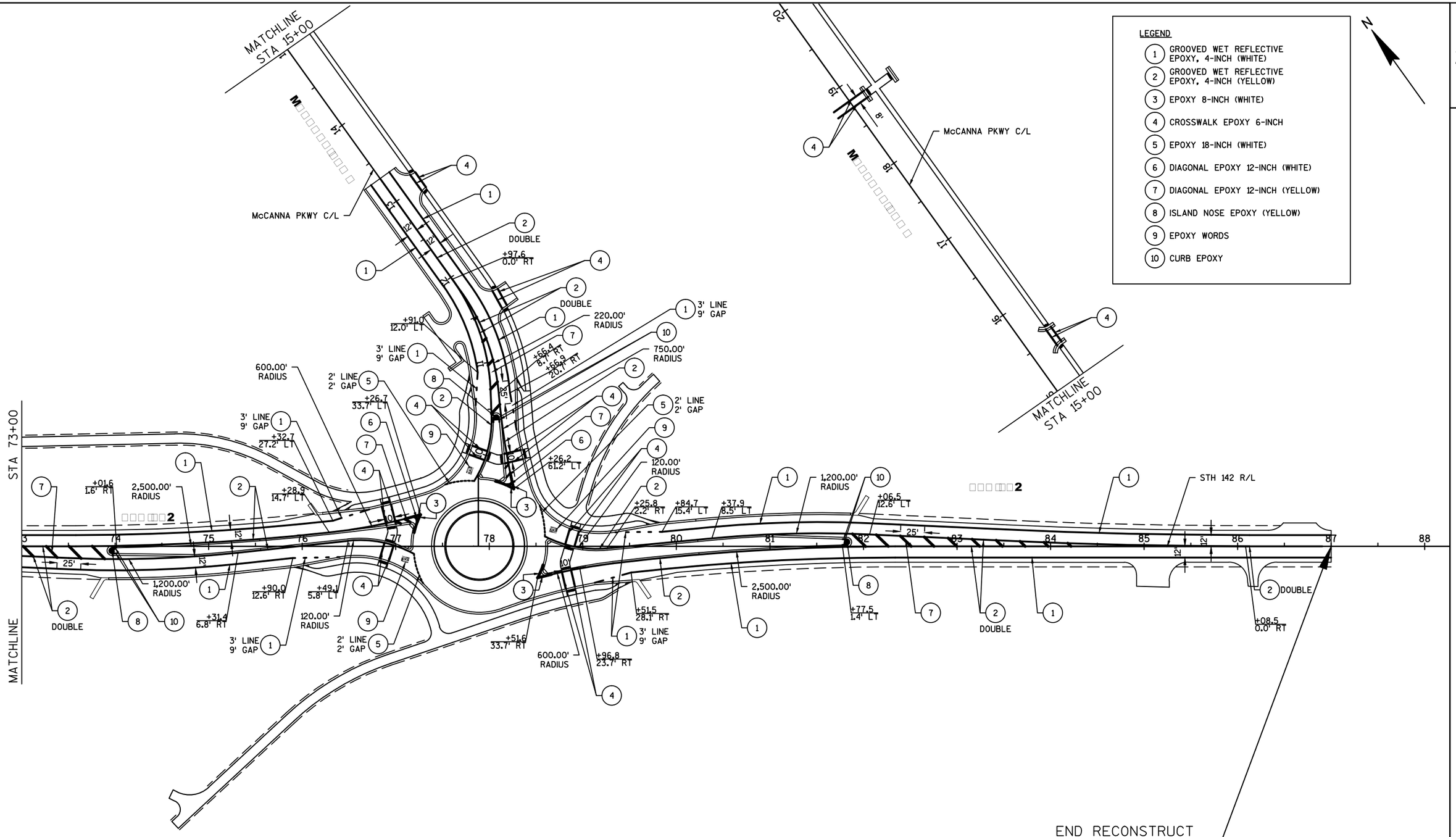
2



LEGEND

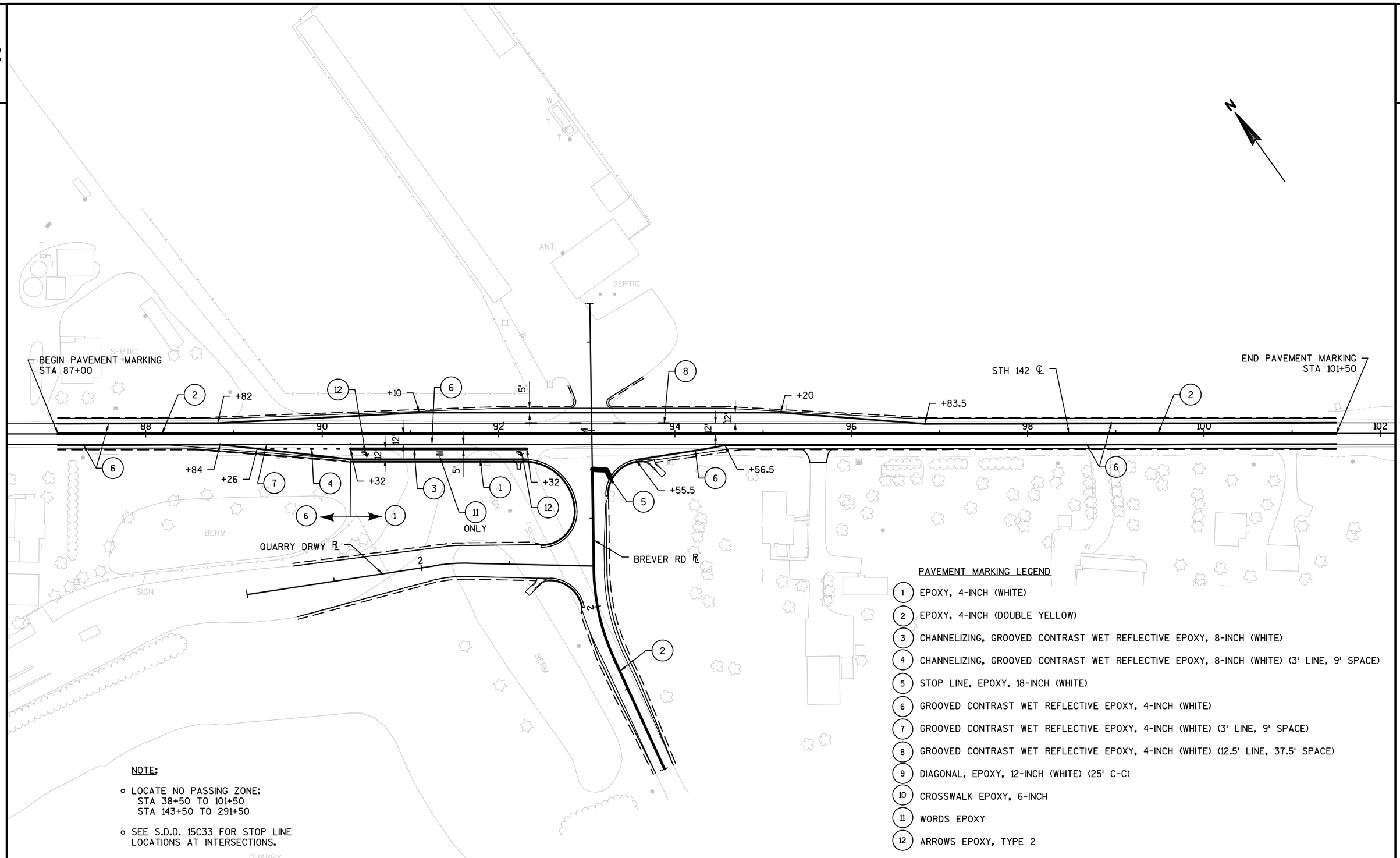
1. GROOVED WET REFLECTIVE EPOXY, 4-INCH (WHITE)
2. GROOVED WET REFLECTIVE EPOXY, 4-INCH (YELLOW)
3. EPOXY 8-INCH (WHITE)
4. CROSSWALK EPOXY 6-INCH
5. EPOXY 18-INCH (WHITE)
6. DIAGONAL EPOXY 12-INCH (WHITE)
7. DIAGONAL EPOXY 12-INCH (YELLOW)
8. ISLAND NOSE EPOXY (YELLOW)
9. EPOXY WORDS
10. CURB EPOXY

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SCALE, FEET 0 50 100	SHEET 126	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SCALE, FEET 0 50 100	SHEET 127	E

2



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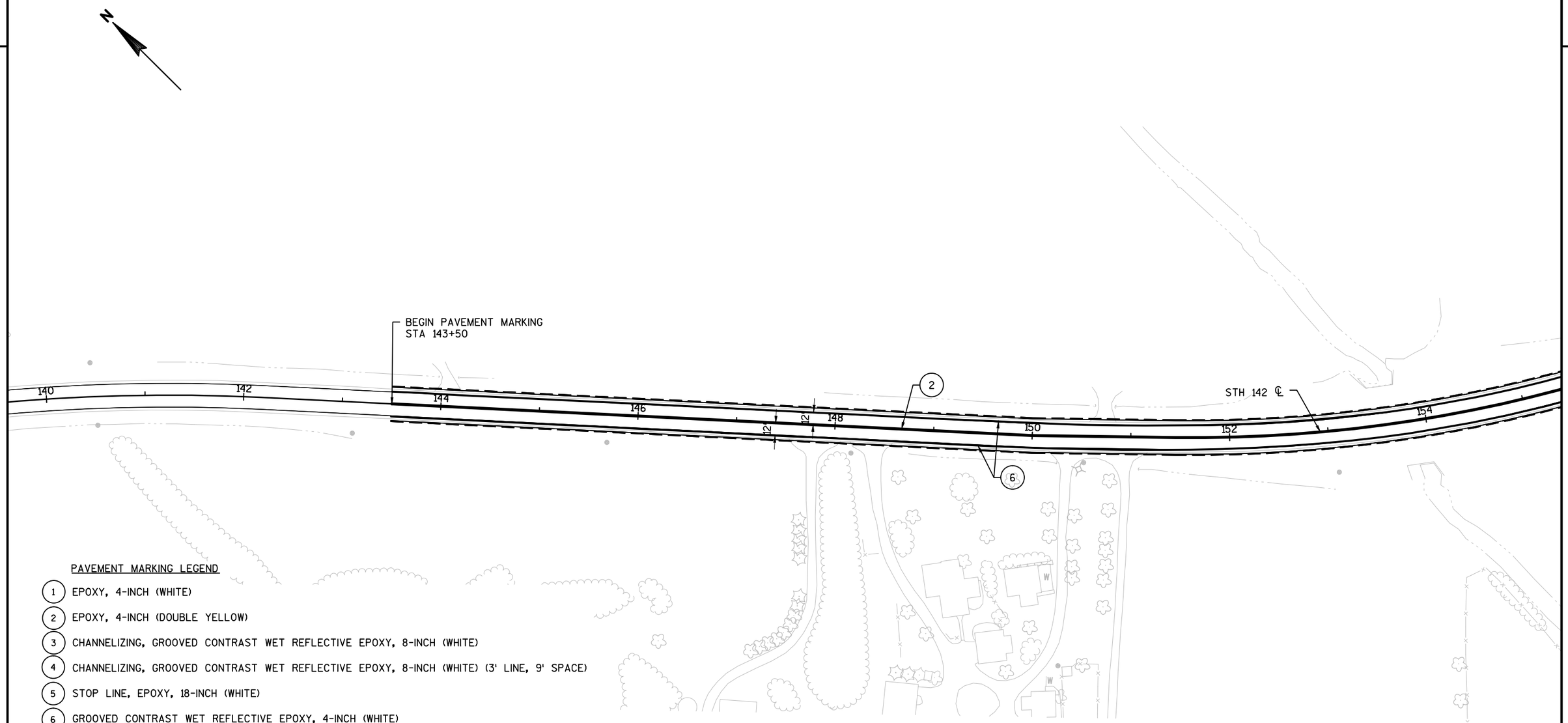
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 128	E

2



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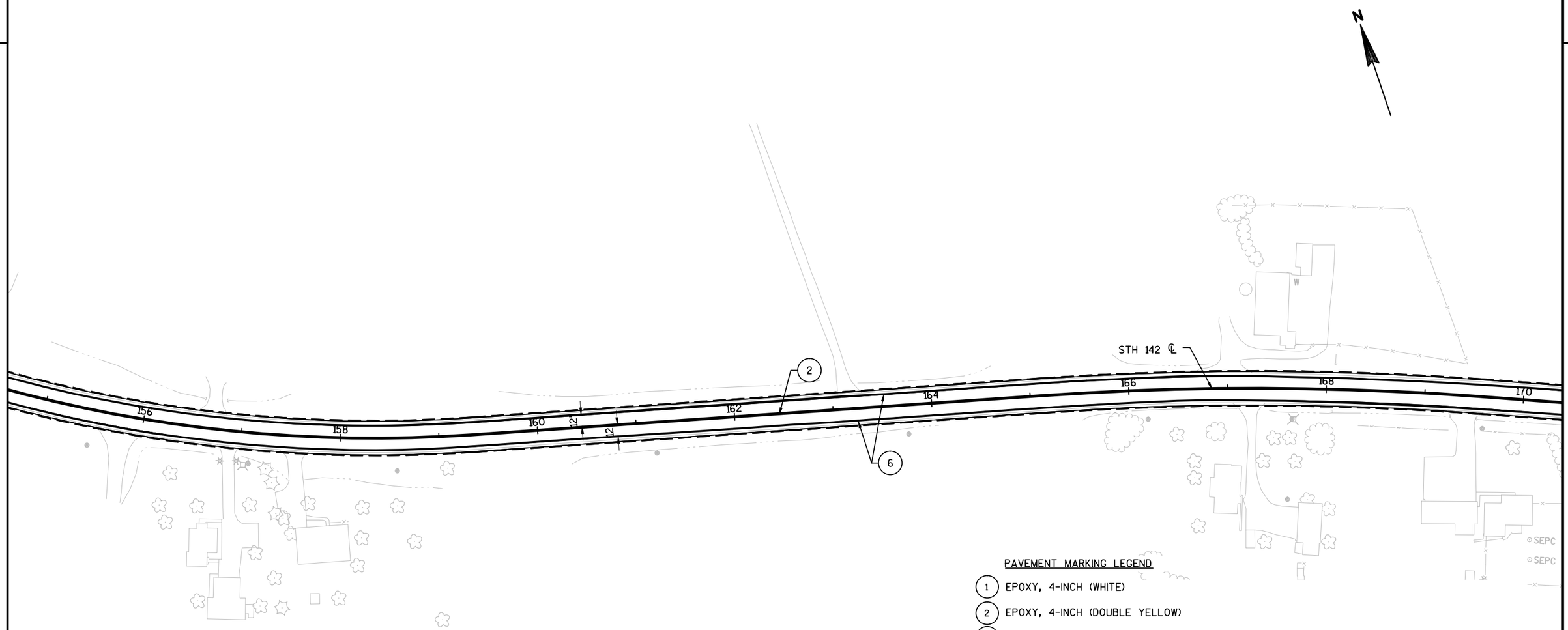

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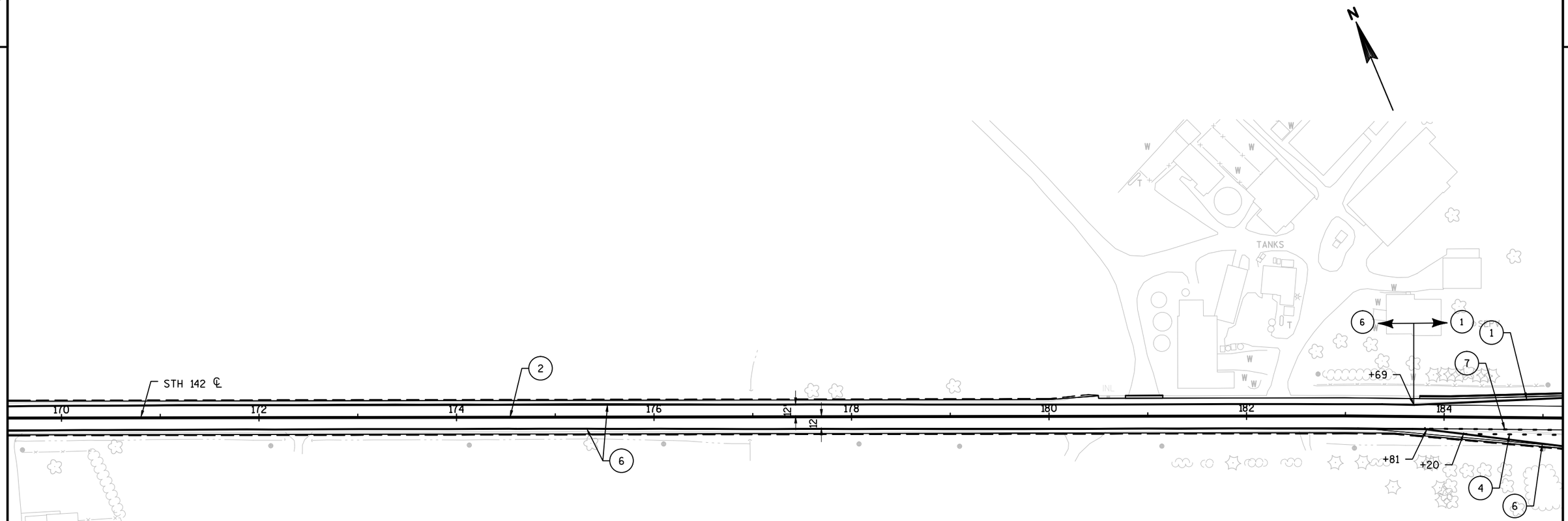

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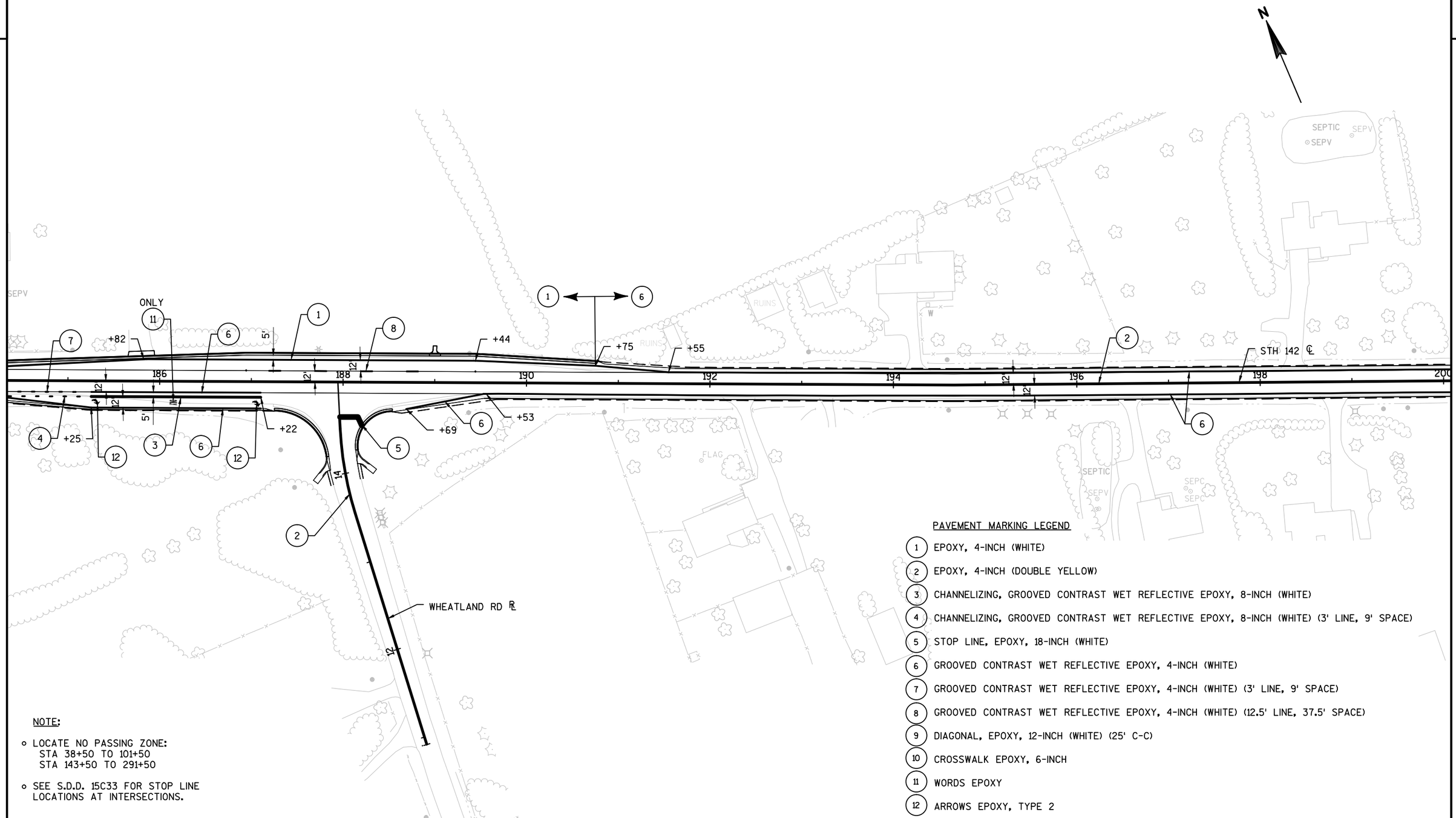
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 131	E

2



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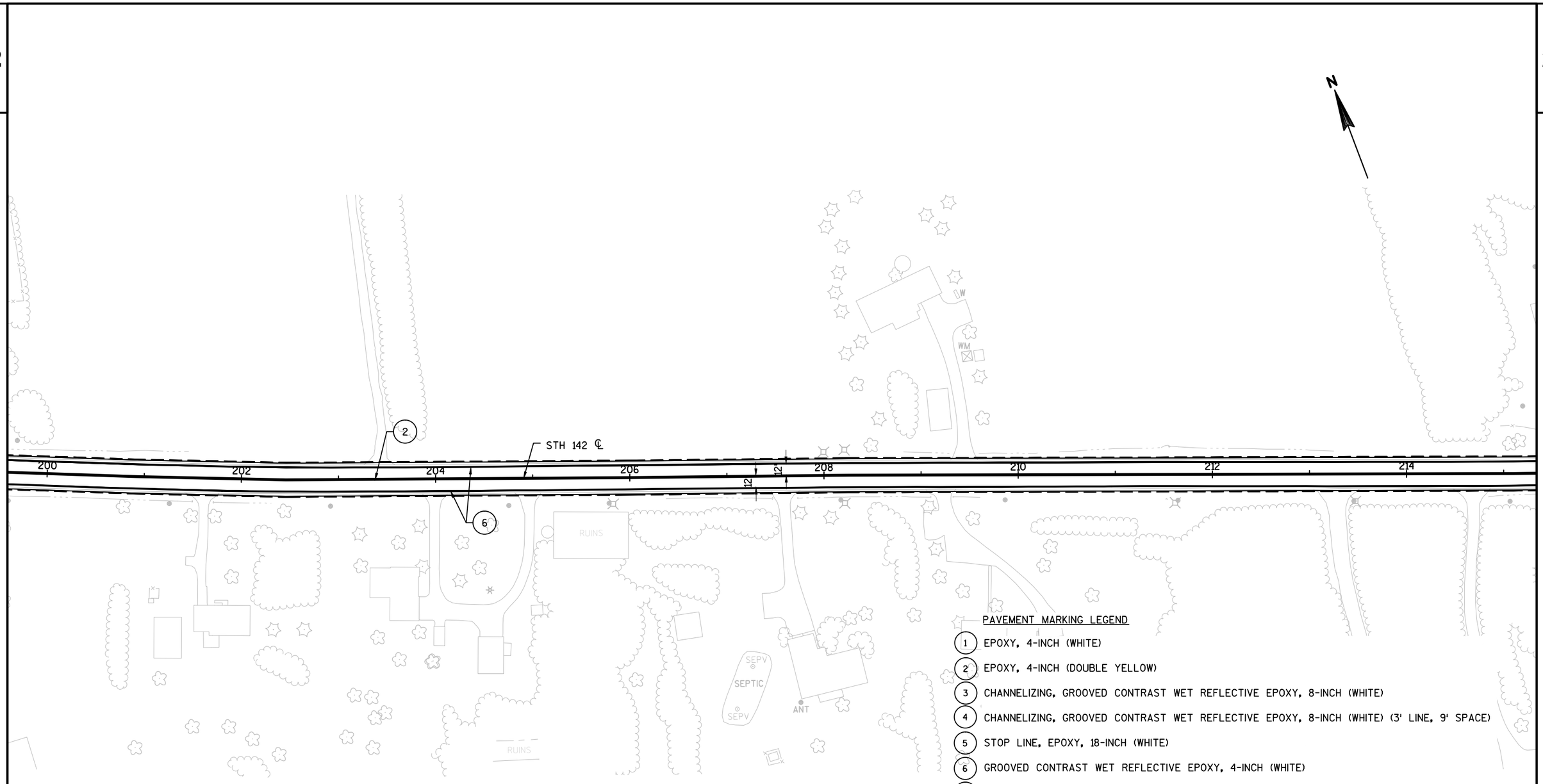
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 132	E

2



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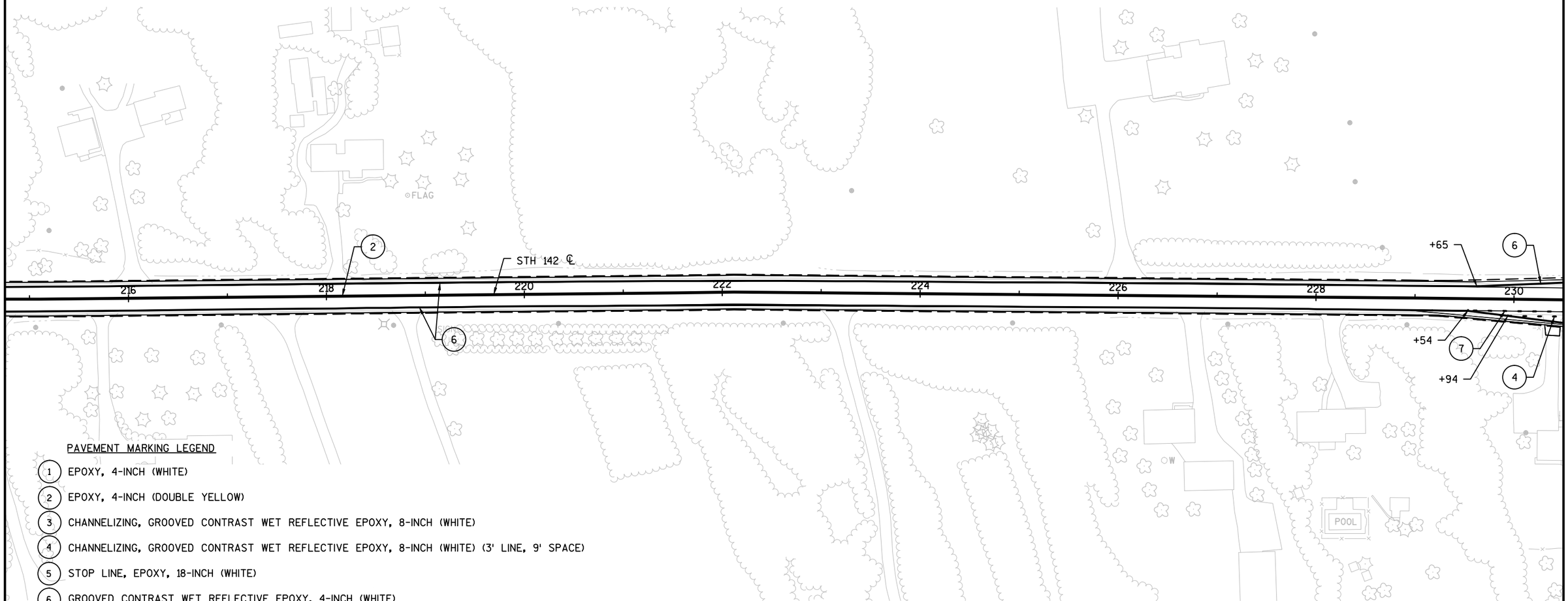
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 133	E

FILE NAME : N:\PDS\C3D\CAD\33700500\024500_PM.DWG
LAYOUT NAME - (12)_PM
PLOT DATE : 10/13/2016 12:25 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



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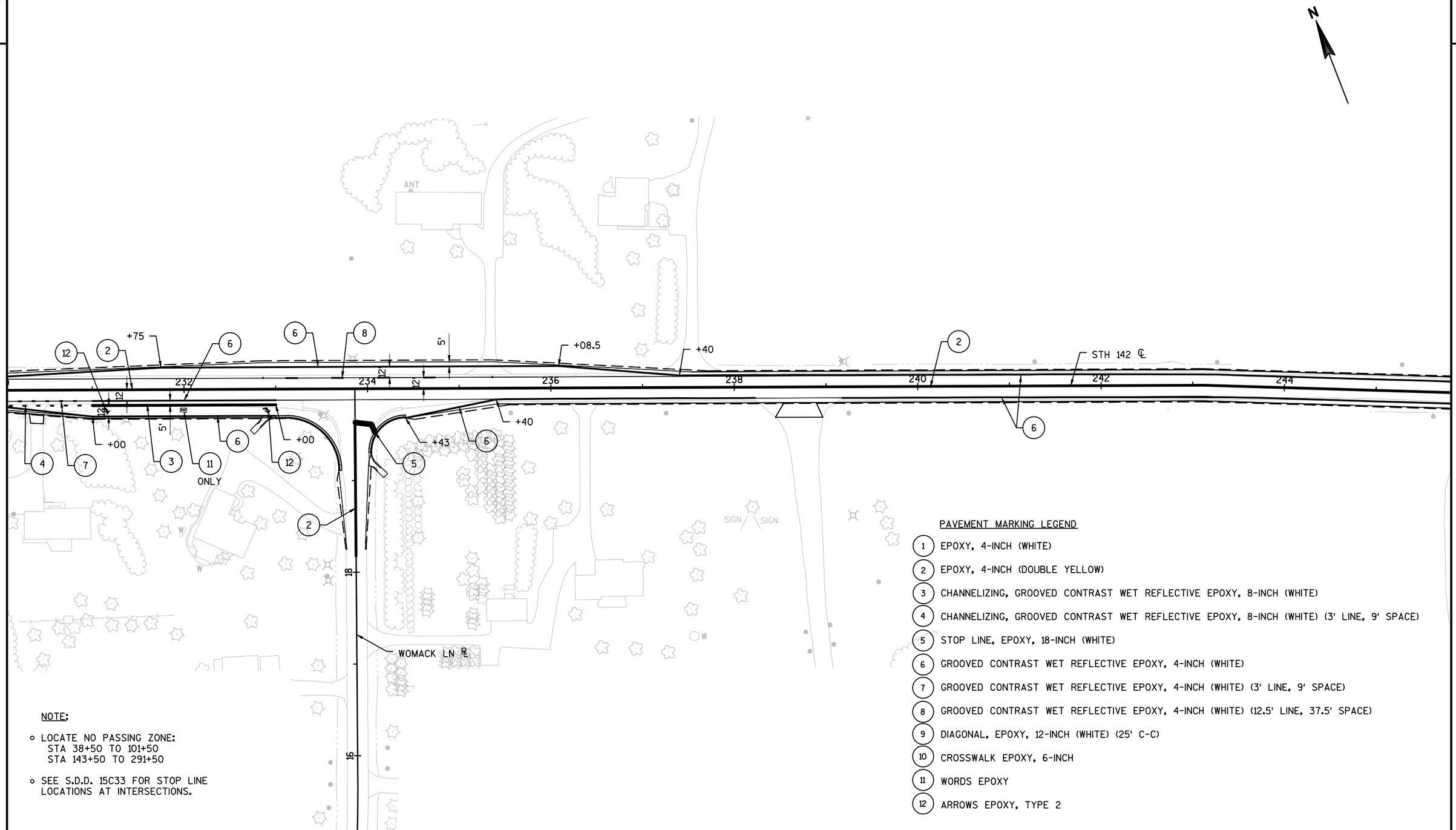
4. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE) (3' LINE, 9' SPACE)
5. STOP LINE, EPOXY, 18-INCH (WHITE)
6. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE)
7. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (3' LINE, 9' SPACE)
8. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (12.5' LINE, 37.5' SPACE)
9. DIAGONAL, EPOXY, 12-INCH (WHITE) (25' C-C)
10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

NOTE:

- LOCATE NO PASSING ZONE:
  STA 38+50 TO 101+50
  STA 143+50 TO 291+50
- SEE S.D.D. 15C33 FOR STOP LINE LOCATIONS AT INTERSECTIONS.

2



NOTE:

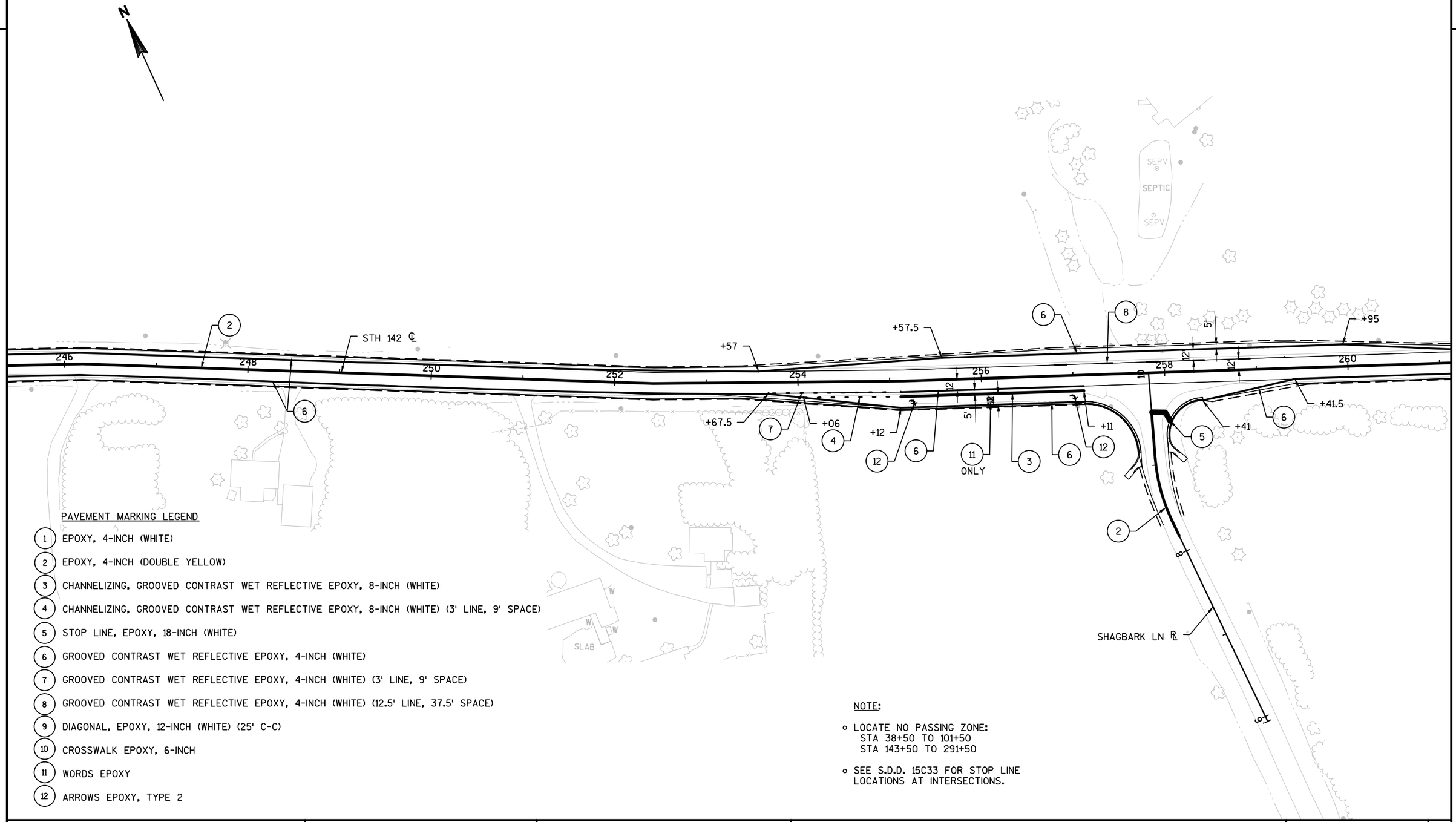
- LOCATE NO PASSING ZONE:
  STA 38+50 TO 101+50
  STA 143+50 TO 291+50
- SEE S.D.D. 15C33 FOR STOP LINE LOCATIONS AT INTERSECTIONS.

PAVEMENT MARKING LEGEND

1. EPOXY, 4-INCH (WHITE)
2. EPOXY, 4-INCH (DOUBLE YELLOW)
3. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE)
4. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE) (3' LINE, 9' SPACE)
5. STOP LINE, EPOXY, 18-INCH (WHITE)
6. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE)
7. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (3' LINE, 9' SPACE)
8. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (12.5' LINE, 37.5' SPACE)
9. DIAGONAL, EPOXY, 12-INCH (WHITE) (25' C-C)
10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 135	E

2



PAVEMENT MARKING LEGEND

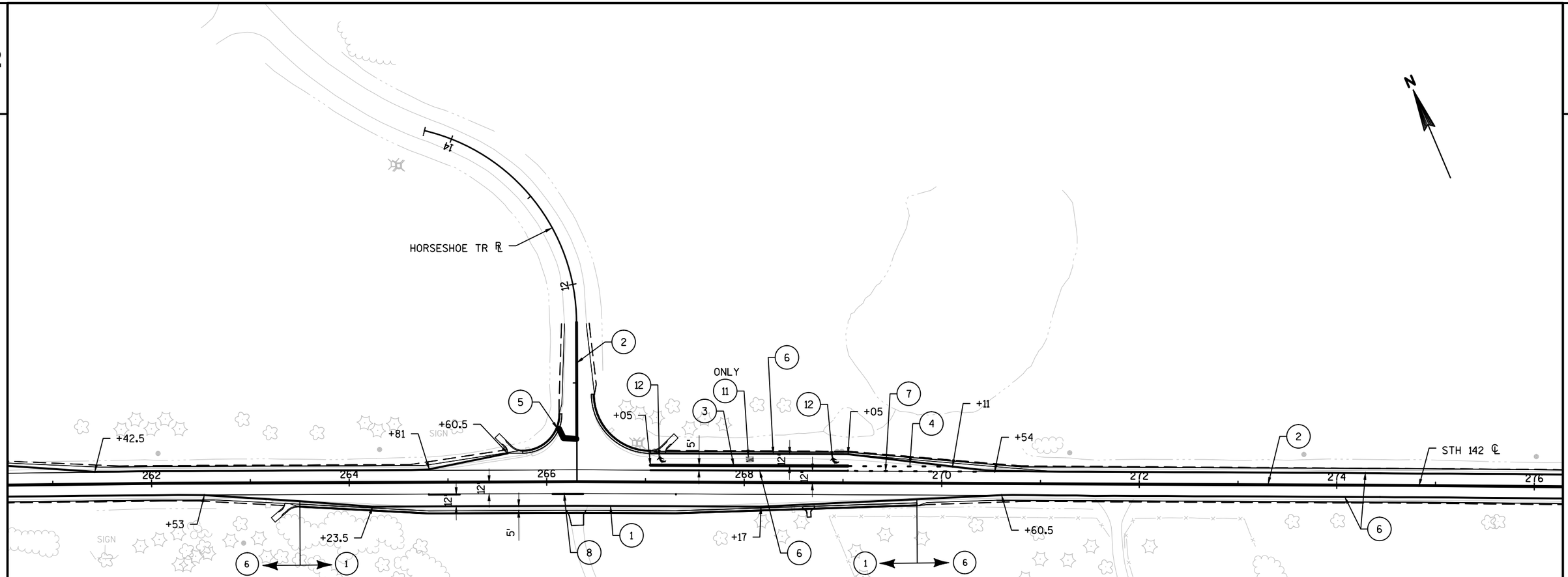
1. EPOXY, 4-INCH (WHITE)
2. EPOXY, 4-INCH (DOUBLE YELLOW)
3. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE)
4. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE) (3' LINE, 9' SPACE)
5. STOP LINE, EPOXY, 18-INCH (WHITE)
6. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE)
7. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (3' LINE, 9' SPACE)
8. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (12.5' LINE, 37.5' SPACE)
9. DIAGONAL, EPOXY, 12-INCH (WHITE) (25' C-C)
10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

NOTE:

- LOCATE NO PASSING ZONE:
  STA 38+50 TO 101+50
  STA 143+50 TO 291+50
- SEE S.D.D. 15C33 FOR STOP LINE LOCATIONS AT INTERSECTIONS.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 136	E

2



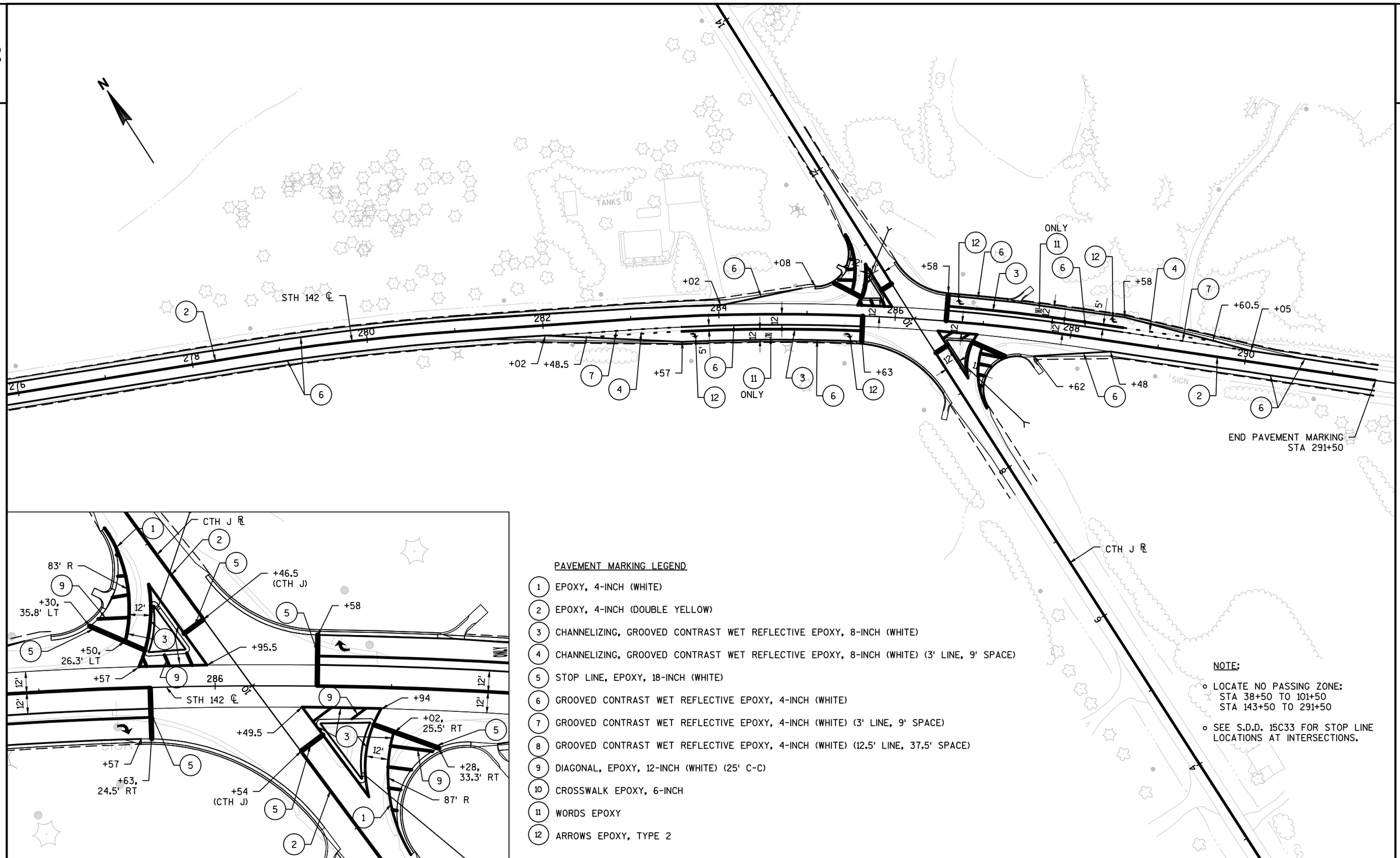
NOTE:

- LOCATE NO PASSING ZONE:
  STA 38+50 TO 101+50
  STA 143+50 TO 291+50
- SEE S.D.D. 15C33 FOR STOP LINE LOCATIONS AT INTERSECTIONS.

PAVEMENT MARKING LEGEND

1. EPOXY, 4-INCH (WHITE)
2. EPOXY, 4-INCH (DOUBLE YELLOW)
3. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE)
4. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE) (3' LINE, 9' SPACE)
5. STOP LINE, EPOXY, 18-INCH (WHITE)
6. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE)
7. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (3' LINE, 9' SPACE)
8. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (12.5' LINE, 37.5' SPACE)
9. DIAGONAL, EPOXY, 12-INCH (WHITE) (25' C-C)
10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

2



PAVEMENT MARKING LEGEND

1. EPOXY, 4-INCH (WHITE)
2. EPOXY, 4-INCH (DOUBLE YELLOW)
3. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE)
4. CHANNELIZING, GROOVED CONTRAST WET REFLECTIVE EPOXY, 8-INCH (WHITE) (3' LINE, 9' SPACE)
5. STOP LINE, EPOXY, 18-INCH (WHITE)
6. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE)
7. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (3' LINE, 9' SPACE)
8. GROOVED CONTRAST WET REFLECTIVE EPOXY, 4-INCH (WHITE) (12.5' LINE, 37.5' SPACE)
9. DIAGONAL, EPOXY, 12-INCH (WHITE) (25' C-C)
10. CROSSWALK EPOXY, 6-INCH
11. WORDS EPOXY
12. ARROWS EPOXY, TYPE 2

NOTE:

- LOCATE NO PASSING ZONE:
  STA 38+50 TO 101+50
  STA 143+50 TO 291+50
- SEE S.D.D. 15C33 FOR STOP LINE LOCATIONS AT INTERSECTIONS.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PAVEMENT MARKING	SHEET 138	E

2

N

R9-9
24"X12"
SIDEWALK CLOSED

(MOD) TYPE III BARRICADE

9148

ADAMS ST

EDGEWOOD ST

STH 142 ℄

SHARED-USE PATH ℄

SI

30 32 34 36 38 40 42 44

ROAD CLOSED AHEAD
W20-3-A

ROAD CLOSED 500 FT
W20-3-D

STH 11

R11-4
60"X30"
ROAD CLOSED TO THRU TRAFFIC

TYPE III BARRICADE

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 139	E

2

N

R9-9
24"X12"
SIDEWALK CLOSED
(MOD) TYPE III BARRICADE

CONNECTION TO SHARED-USE PATH ℄

SI

SHARED-USE PATH ℄

SI

STH 142 ℄

R11-3-C
60"X24"
BRIDGE OUT
0.5 MILES AHEAD
TYPE III BARRICADE
STA 49+60

ATHLETIC FIELD

ATHLETIC FIELD

PLAYGROUND

FOOTBRIDGE

23 ST (P)

ANT.

MH

OH

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 140	E

2

TIC FIELD

BLEACHERS

ATHLETIC FIELD

R11-2-B
48"X30"

BRIDGE OUT

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

TYPE III BARRICADE

SHARED-USE PATH ℄

SI

SIGN

FO

FO

FO

FO

30

32

60

62

64

66

68

70

72

74

STH 142 ℄

OH

MH

BLEACHERS

BLEACHERS

ATHLETIC FIELD

BIKE PATH

LEGEND

TYPE III BARRICADE

TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN

TRAFFIC CONTROL DRUM

TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT

SIGN ON SUPPORT

WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

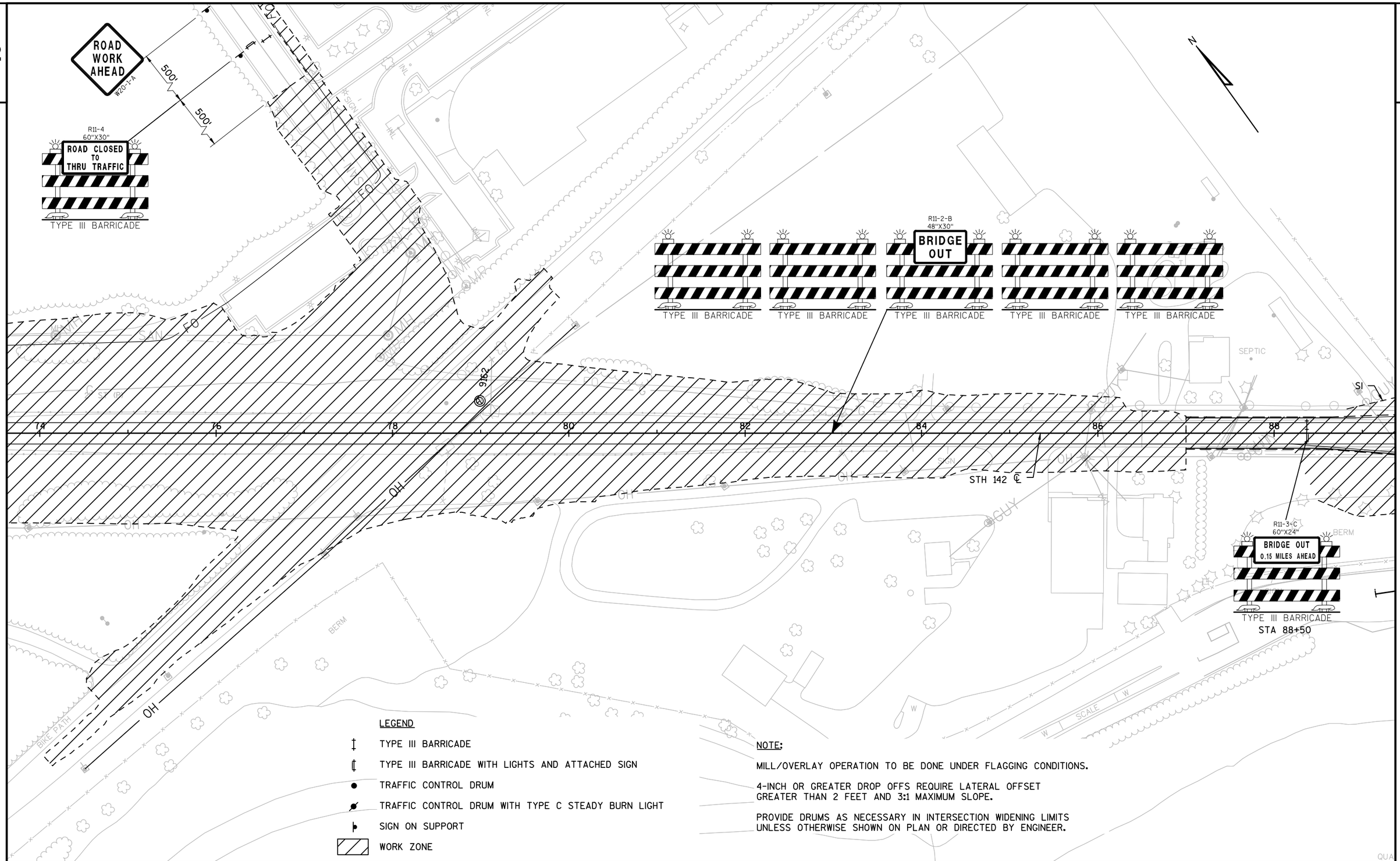
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 141	E

FILE NAME : N:\PDS\C3D\CAD\33700500\026000_TC.DWG
LAYOUT NAME - (03)_S2

PLOT DATE : 10/14/2016 11:51 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

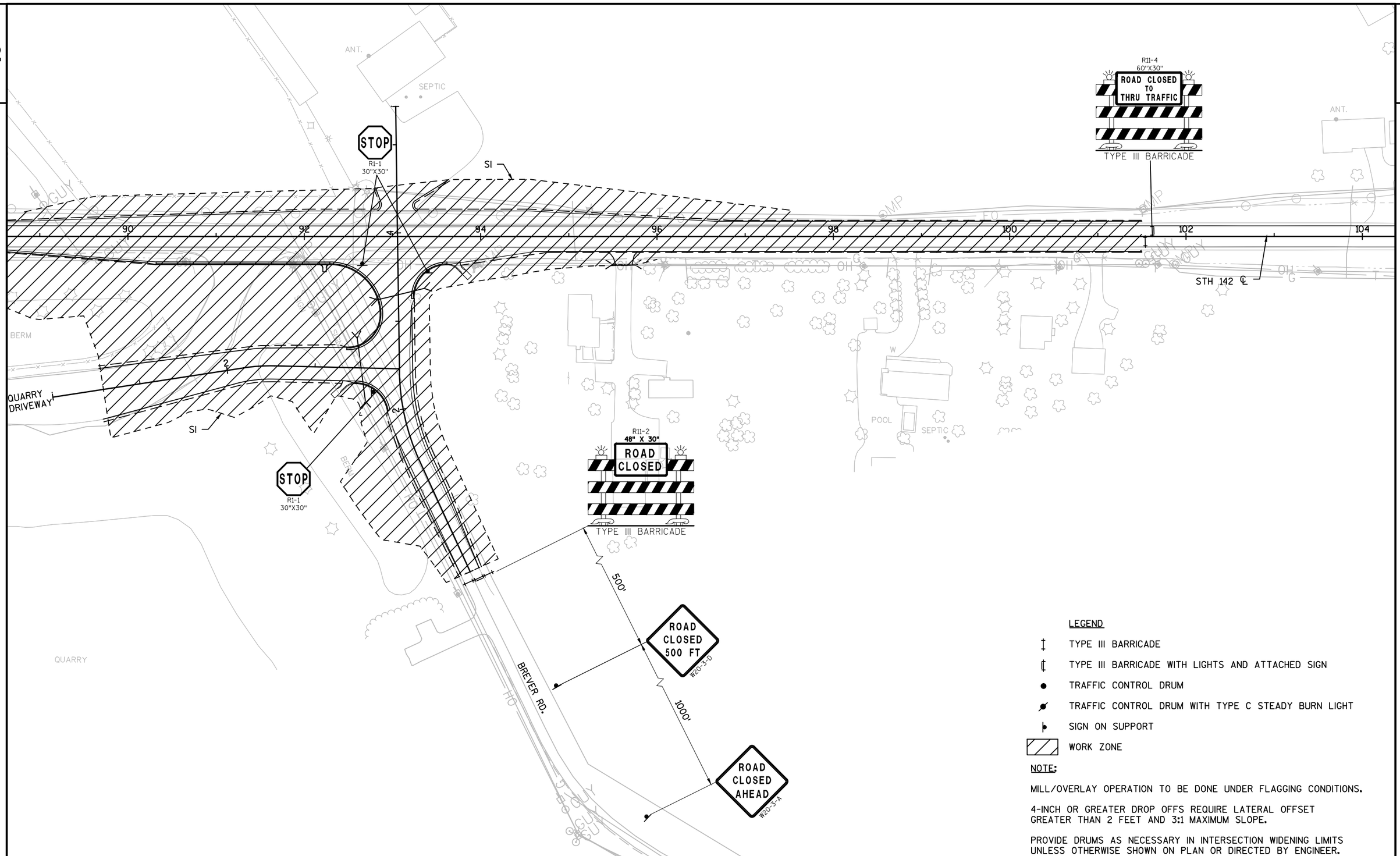
WISDOT/CADDS SHEET 42

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 142	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

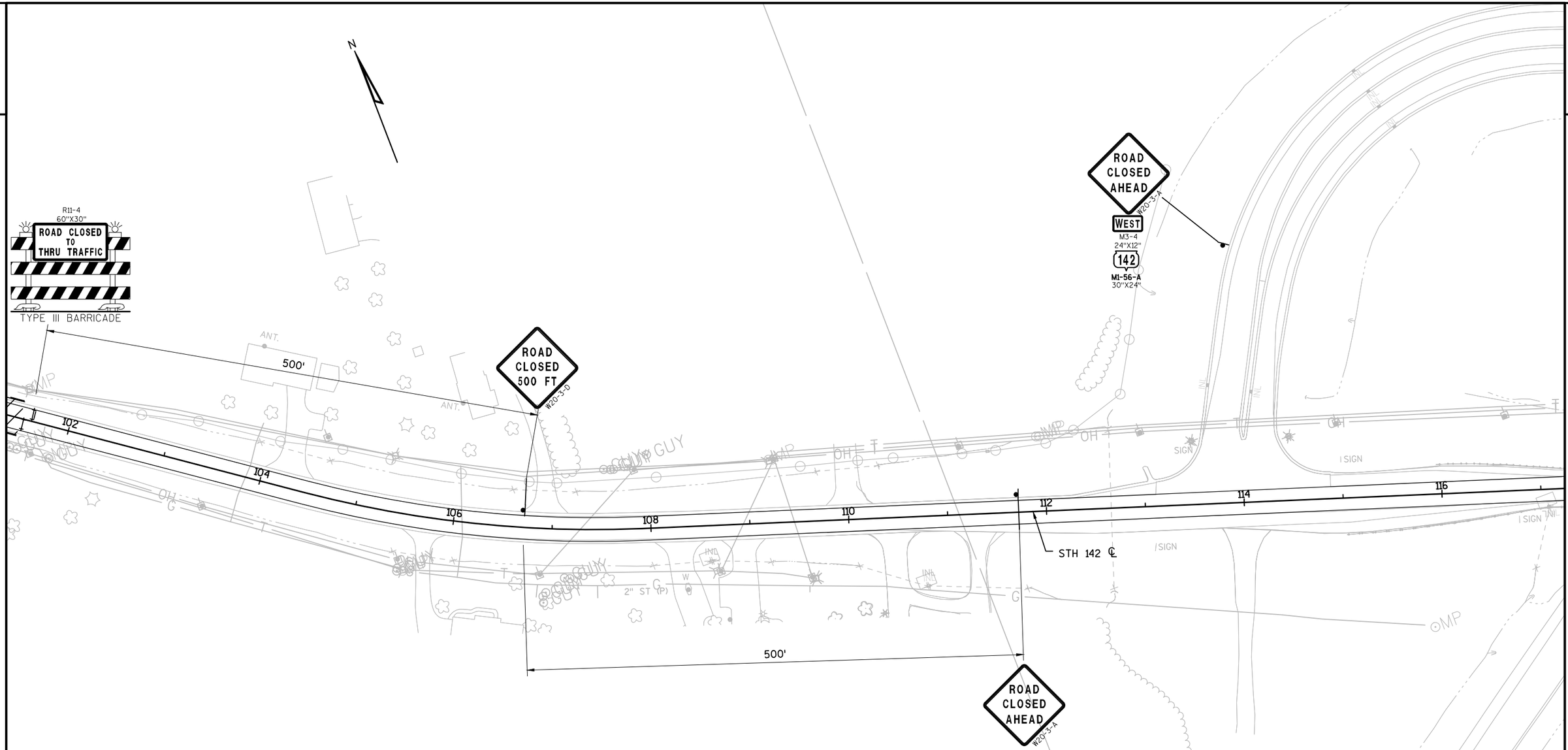
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 143	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 144	E

2

2

N

ROAD CLOSED AHEAD W20-3-A

STH 142 ℄

116 118 120 122 124 126 128 130

STH 11/36/83

WEST M3-4 24"X12"

142 M1-56-A 30"X24"

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

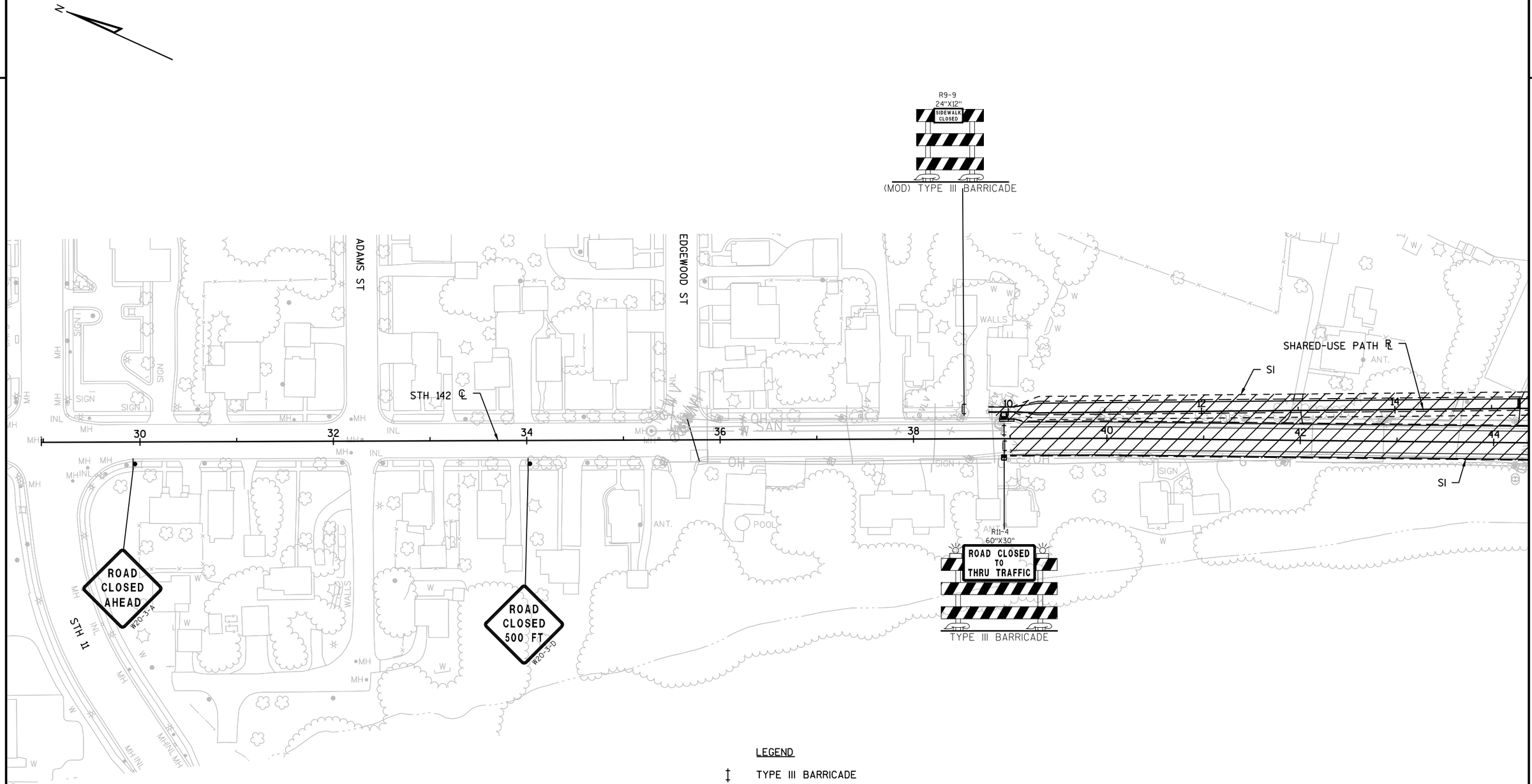
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 1	SHEET 145	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 146	E

2

N

R9-9
24"X12"
SIDEWALK CLOSED
(MOD) TYPE III BARRICADE

CONNECTION TO SHARED-USE PATH ℄

SI

SHARED-USE PATH ℄

SI

STH 142 ℄

R11-3-C
60"X24"
BRIDGE OUT
0.5 MILES AHEAD
TYPE III BARRICADE
STA 49+60

ATHLETIC FIELD

ATHLETIC FIELD

PLAYGROUND

FOOTBRIDGE

23 ST (P)

ANT.

MH

OH

SIGN

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 147	E

2

TIC FIELD

BLEACHERS

ATHLETIC FIELD

R11-2-B
48"X30"

BRIDGE OUT

TYPE III BARRICADE | TYPE III BARRICADE | TYPE III BARRICADE | TYPE III BARRICADE | TYPE III BARRICADE

SHARED-USE PATH ℄

SI

SIGN

FO

30 32 60 62 64 66 68 70 72 74

STH 142 ℄

OH

MH

BLEACHERS

BLEACHERS

ATHLETIC FIELD

BIKE PATH

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 148	E

2

ROAD WORK AHEAD
W20-1-A
500'
500'

R11-4
60"X30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

R11-2-B
48"X30"
BRIDGE OUT
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE
TYPE III BARRICADE

SEPTIC
SI
74
76
78
80
82
84
86
88
STH 142 ℄
OH
SIGN
GUY
BERM
BIKE PATH
W
SCALE

R11-3-C
60"X24"
BRIDGE OUT
0.15 MILES AHEAD
TYPE III BARRICADE
STA 88+50

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

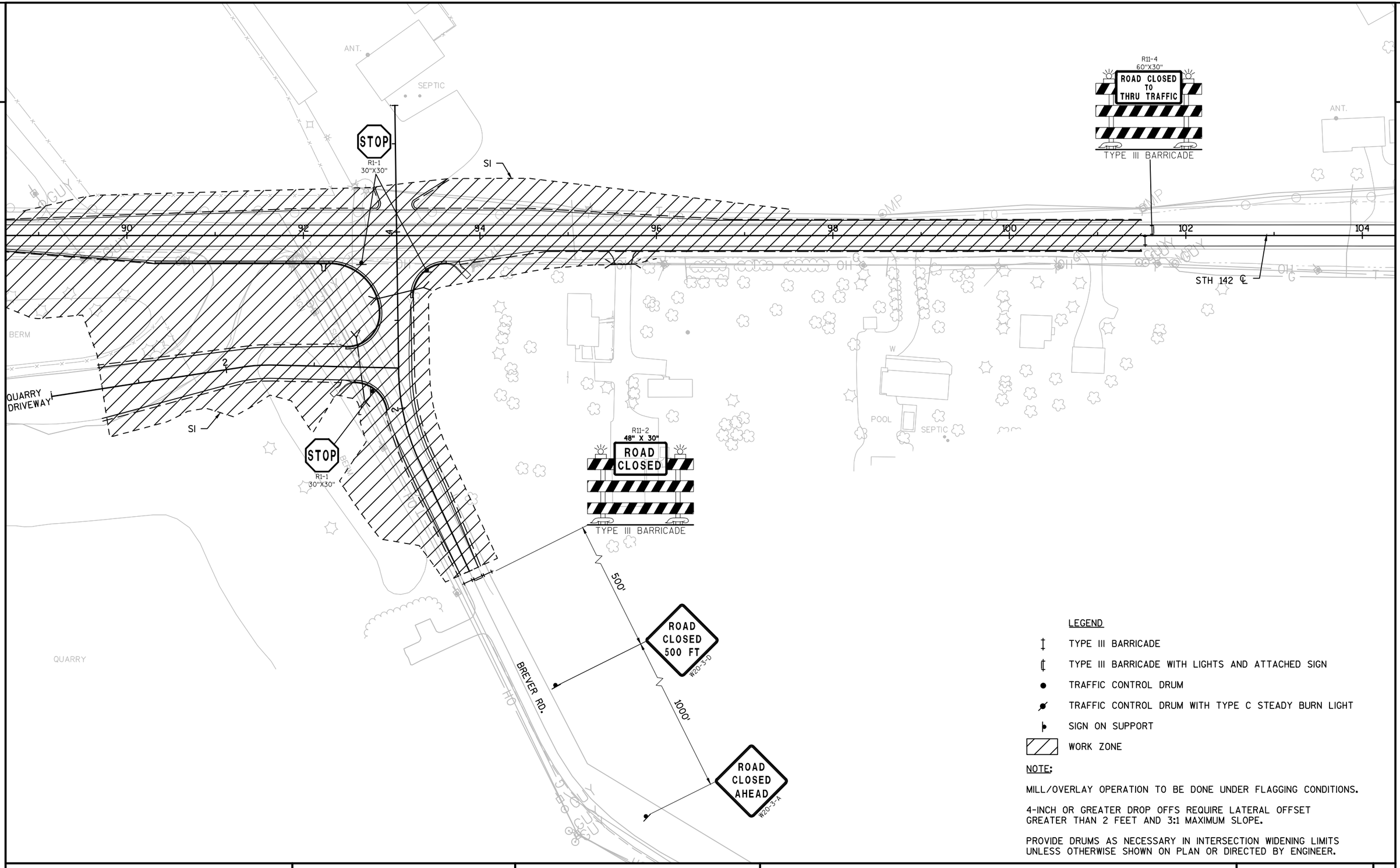
4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 149	E

FILE NAME : N:\PDS\C3D\CAD\33700500\026050_TC.DWG
LAYOUT NAME - (04)_S2
PLOT DATE : 10/20/2016 3:23 PM
PLOT BY : SCHMIDT, JUDENE M
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

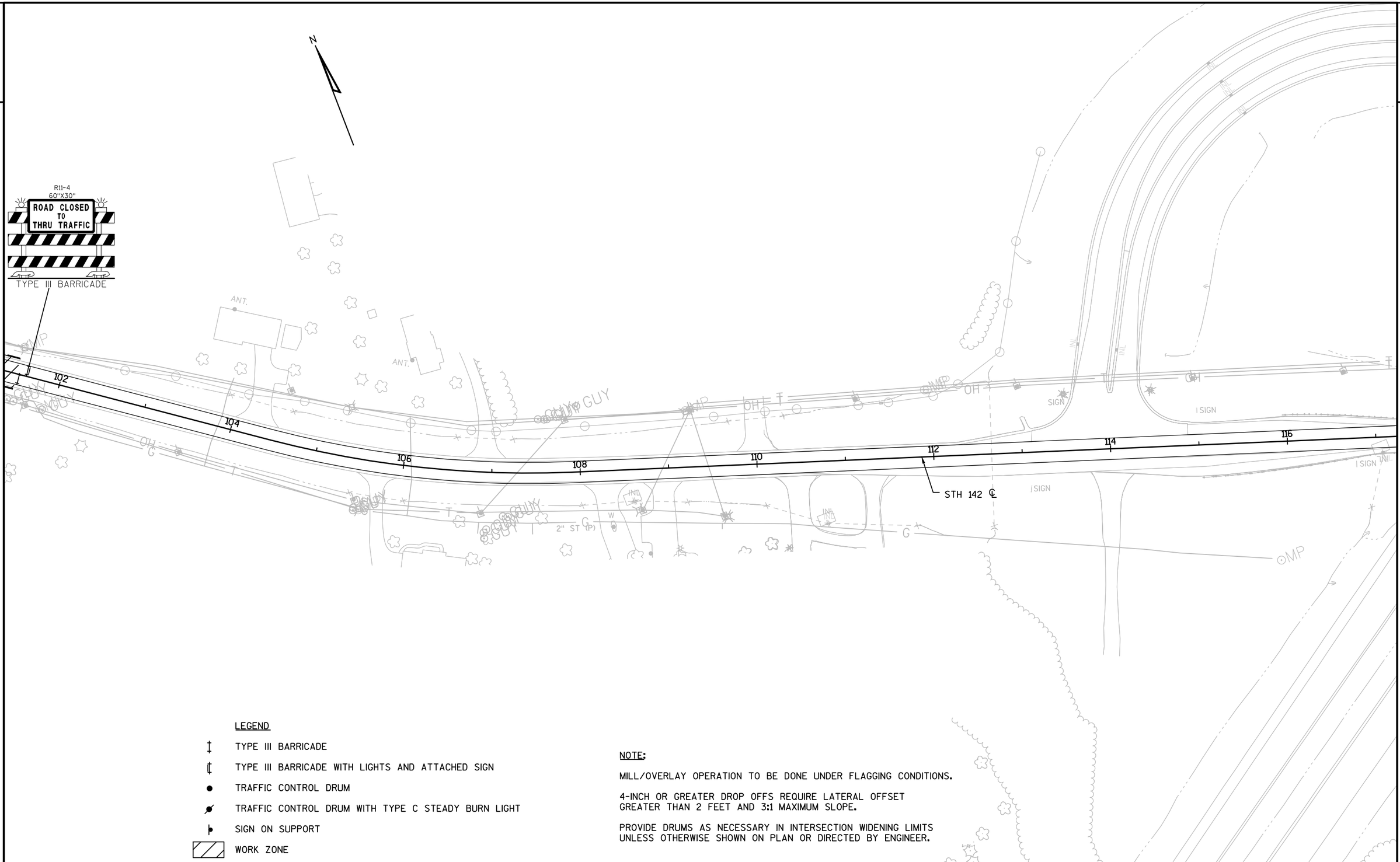
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 150	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 151	E

2

2

SEE DETOUR - STAGE 2 - DETAIL A

STH 142 ℄

116 118 120 122 124 126 128 130

STH 11/36/83

SEE DETOUR - STAGE 2 - DETAIL A

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

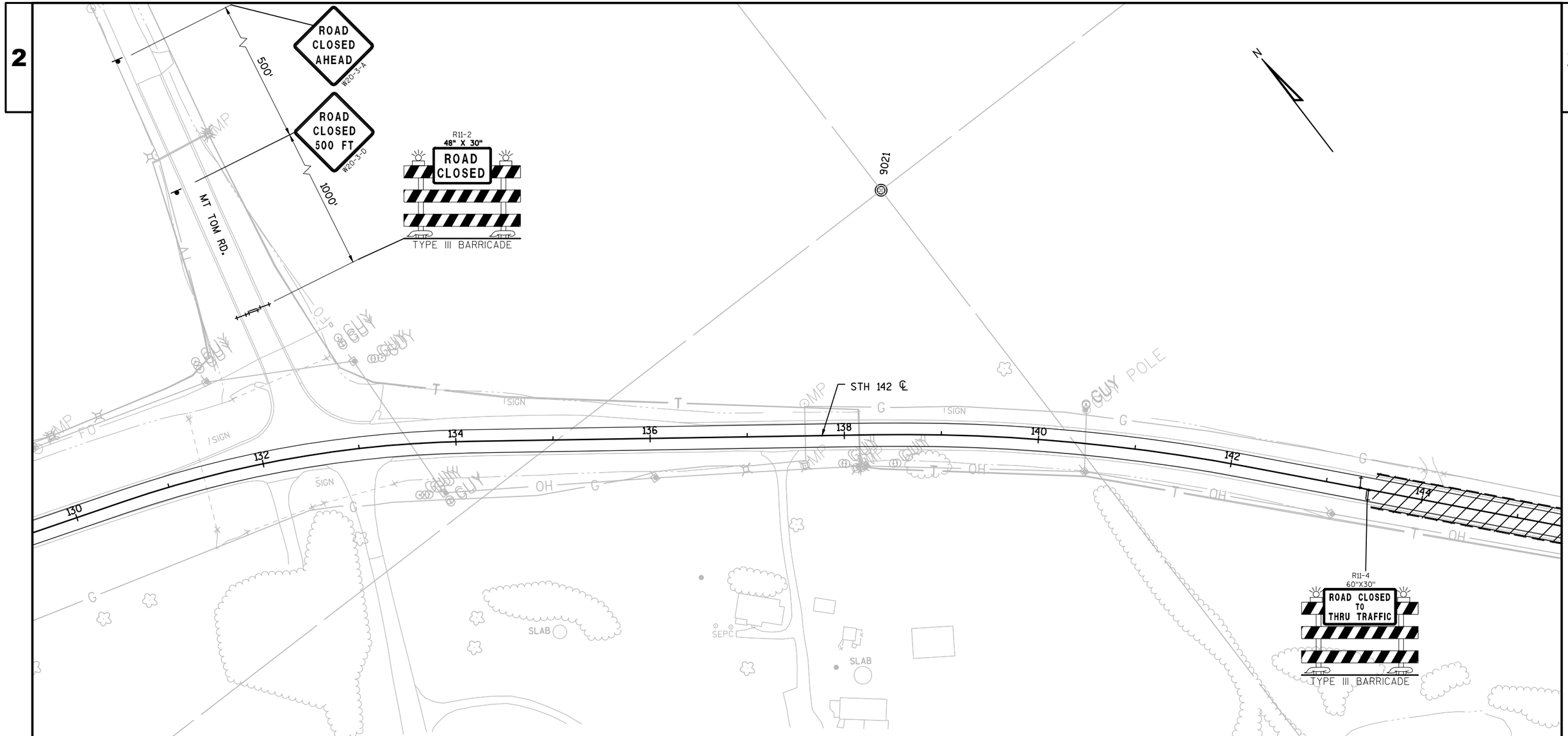
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 152	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

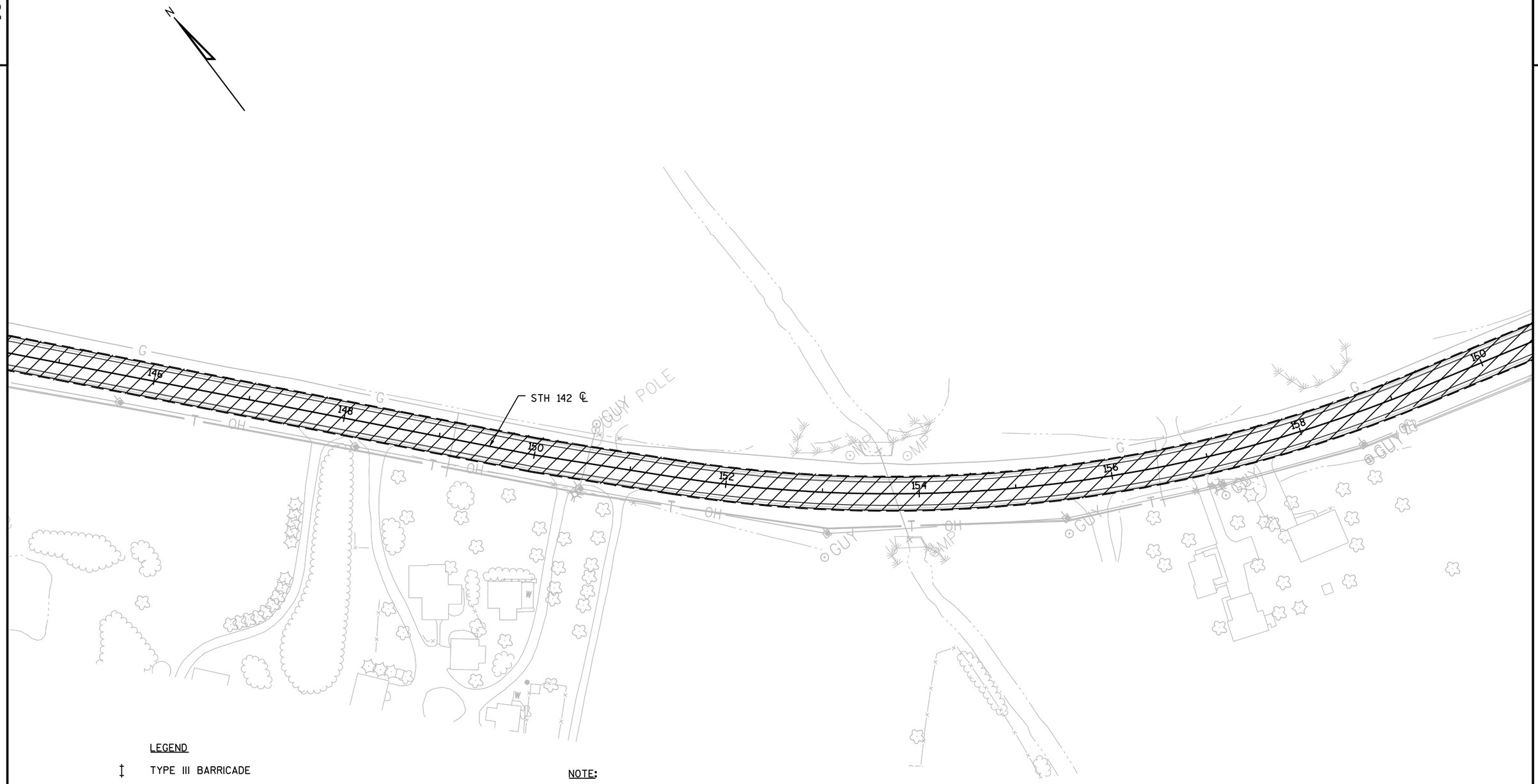
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 153	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

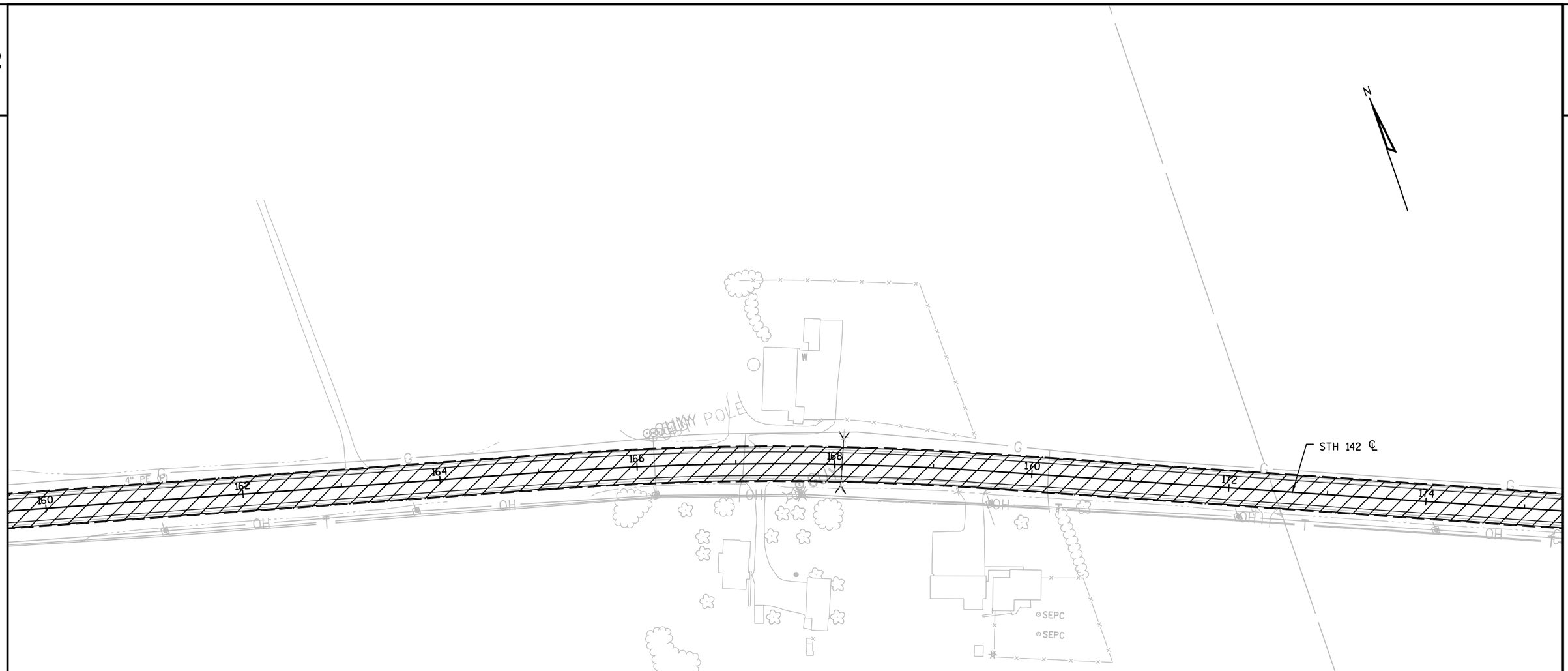
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 154	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

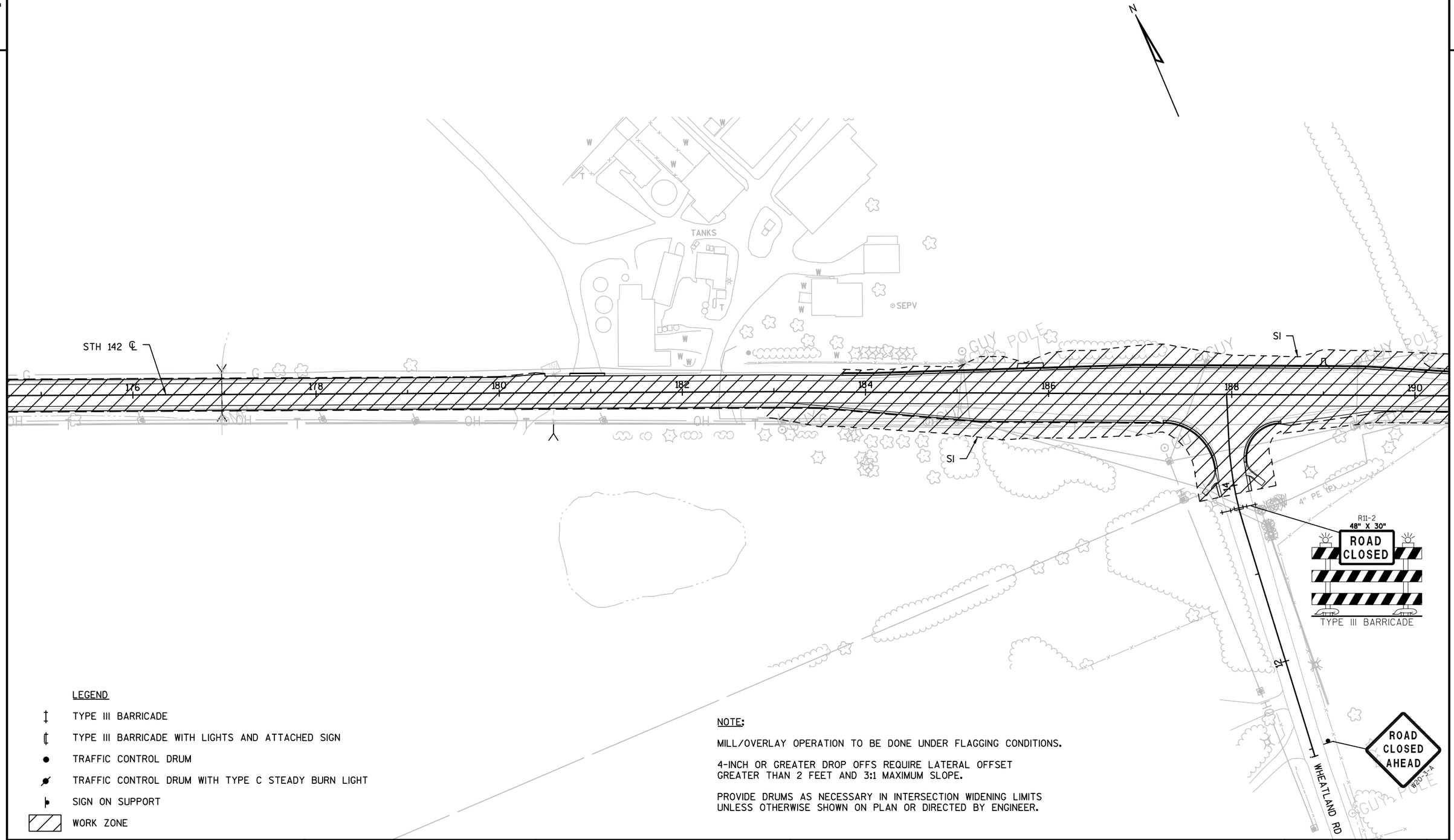
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 155	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

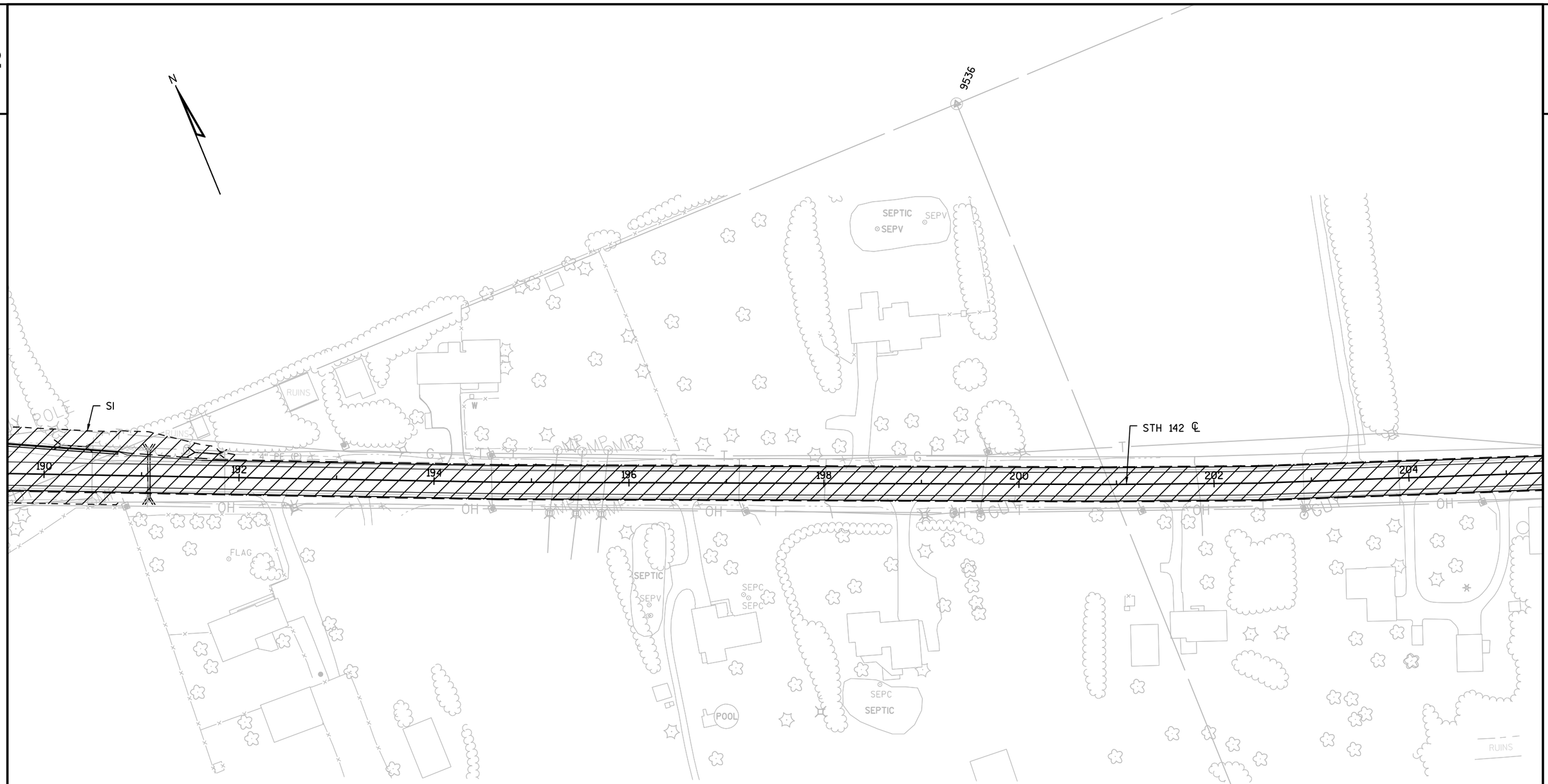
4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 156	E

FILE NAME : N:\PDS\C3D\CAD\33700500\026100_TC.DWG
LAYOUT NAME - 026100_TC - (11)
PLOT DATE : 10/20/2016 3:24 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

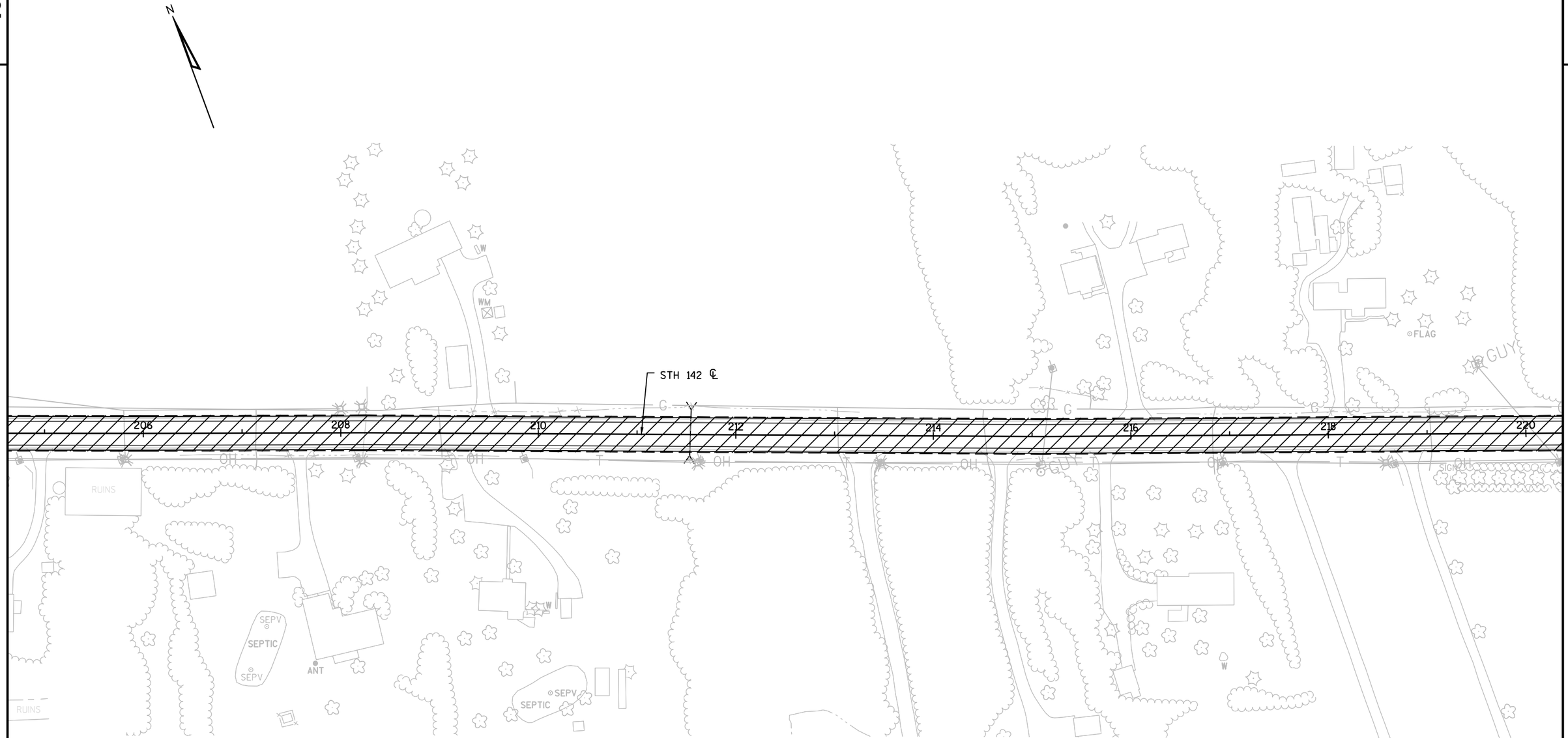
4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 157	E

FILE NAME : N:\PDS\C3D\CAD\33700500\026100_TC.DWG
LAYOUT NAME - 026100_TC - (12)
PLOT DATE : 10/20/2016 3:24 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

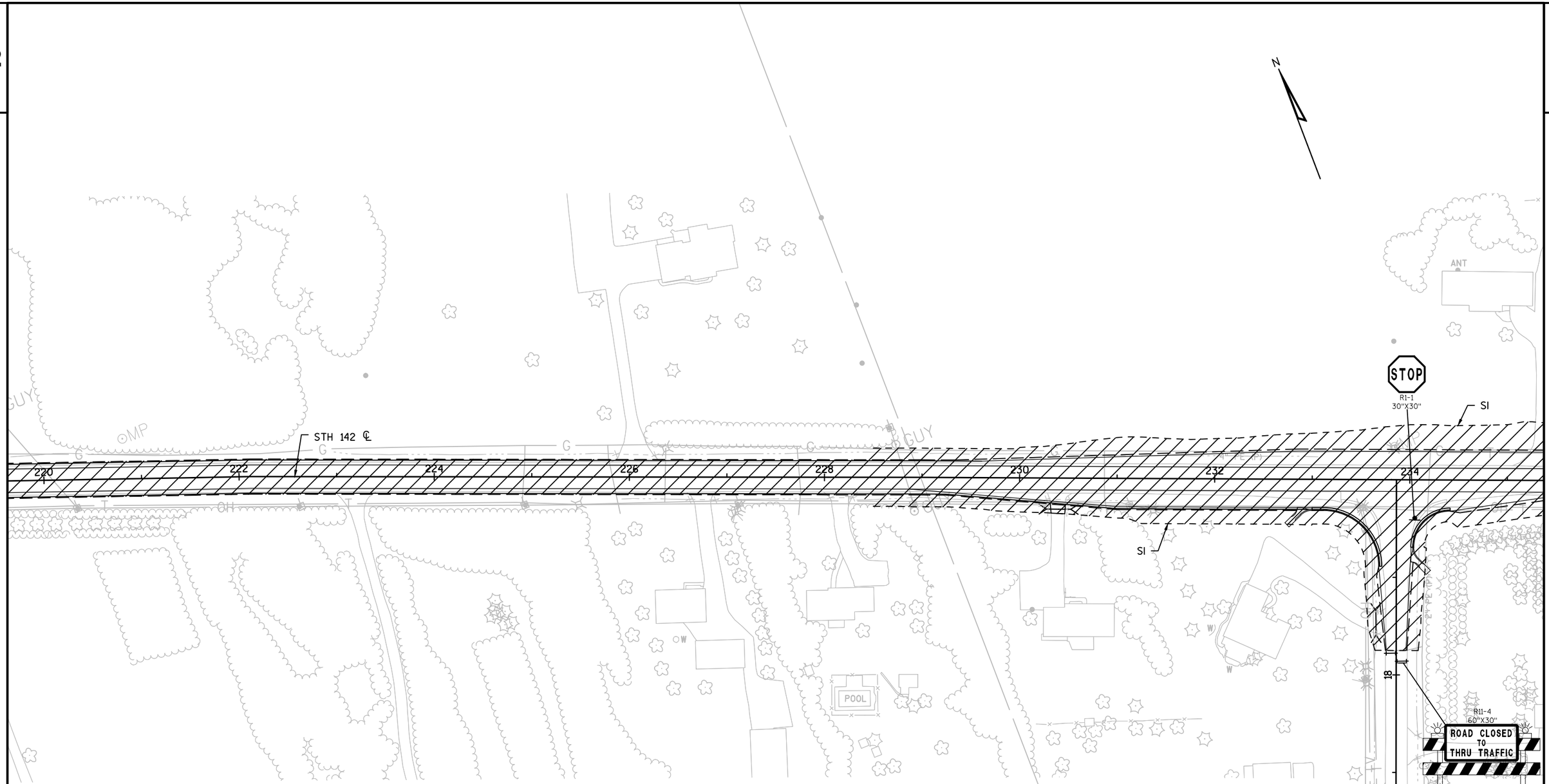
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 158	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

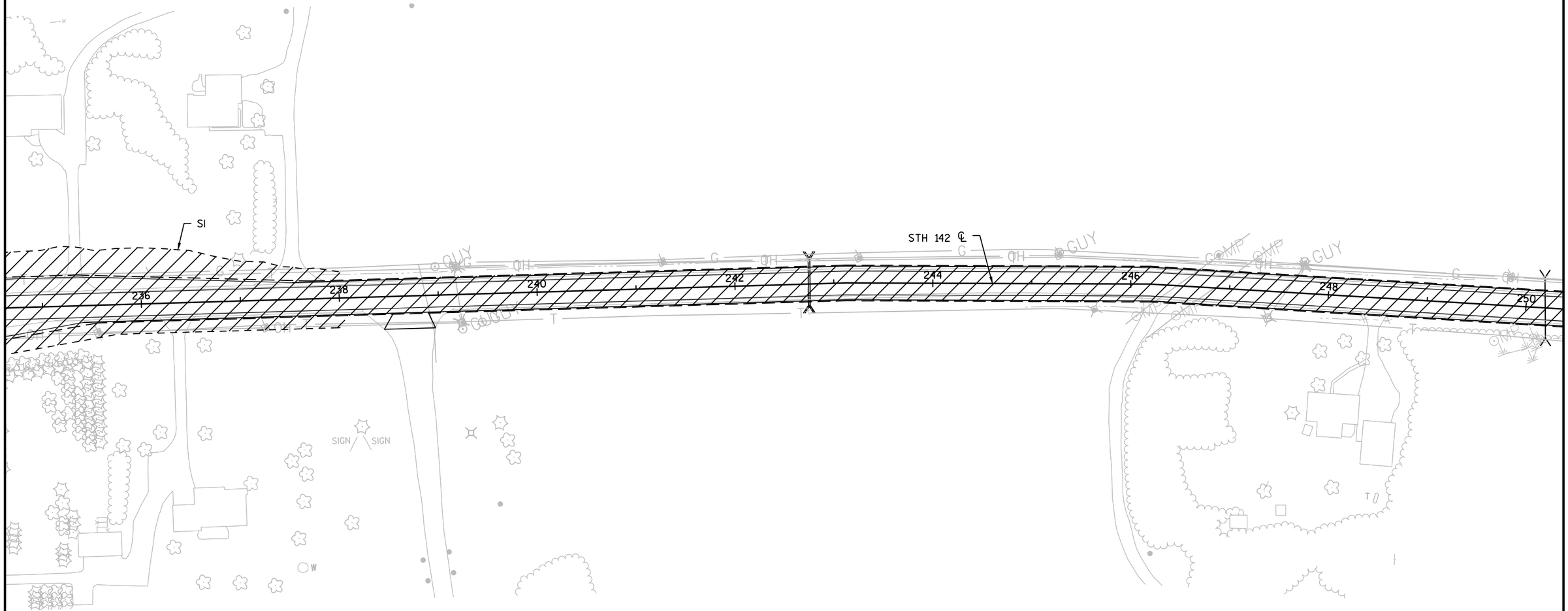
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 159	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 160	E

2

2

N

STH 142 ℄

250 252 254 256 258 260 262 264

SI

STOP
R1-1
30"X30"

SEPV
SEPTIC
SEPV

SLAB

R11-4
60"X30"
ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE

9H SHAGBARK LN

ROAD CLOSED AHEAD
W20-3-A

SIGN

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

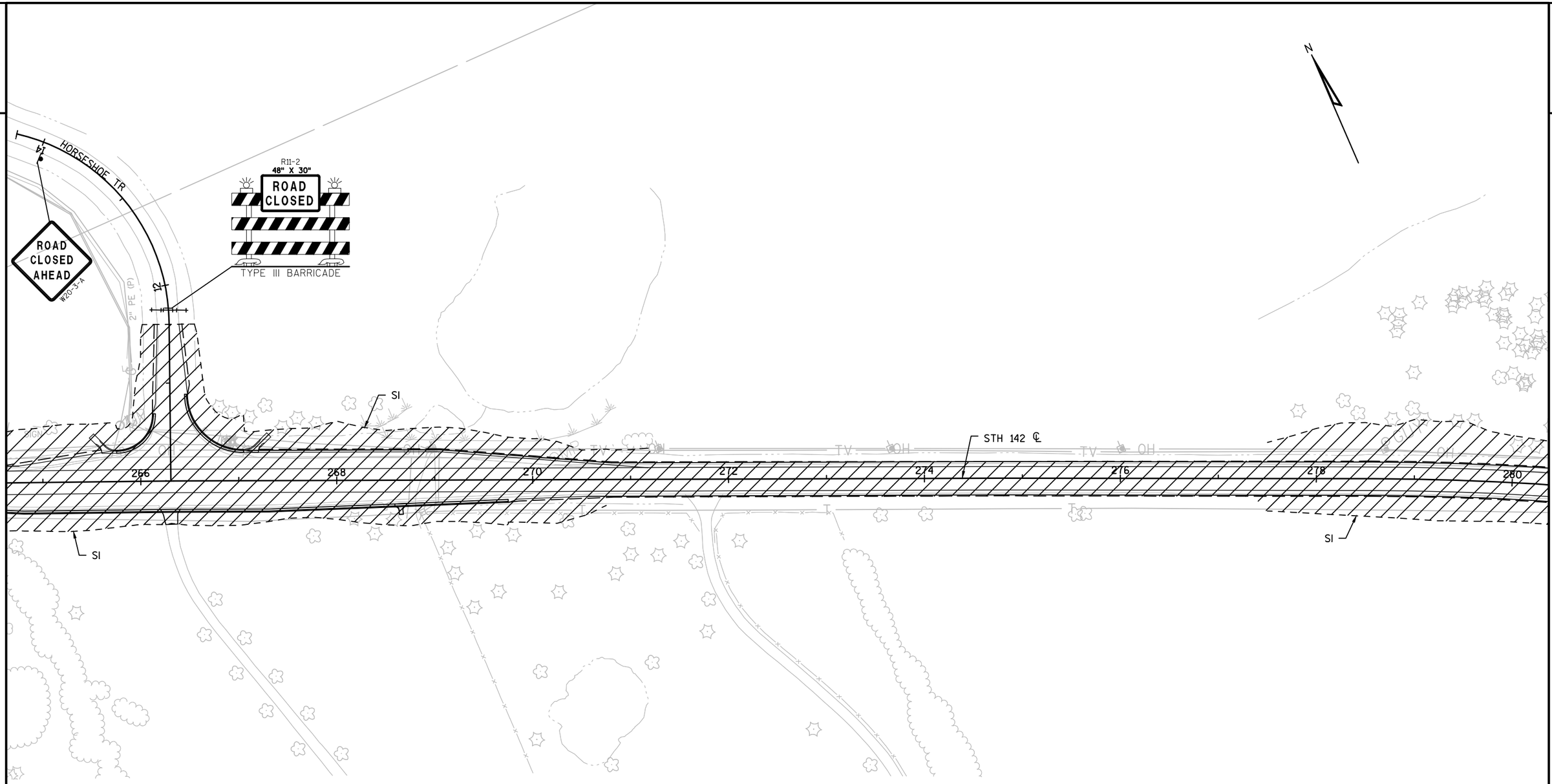
PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 161	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

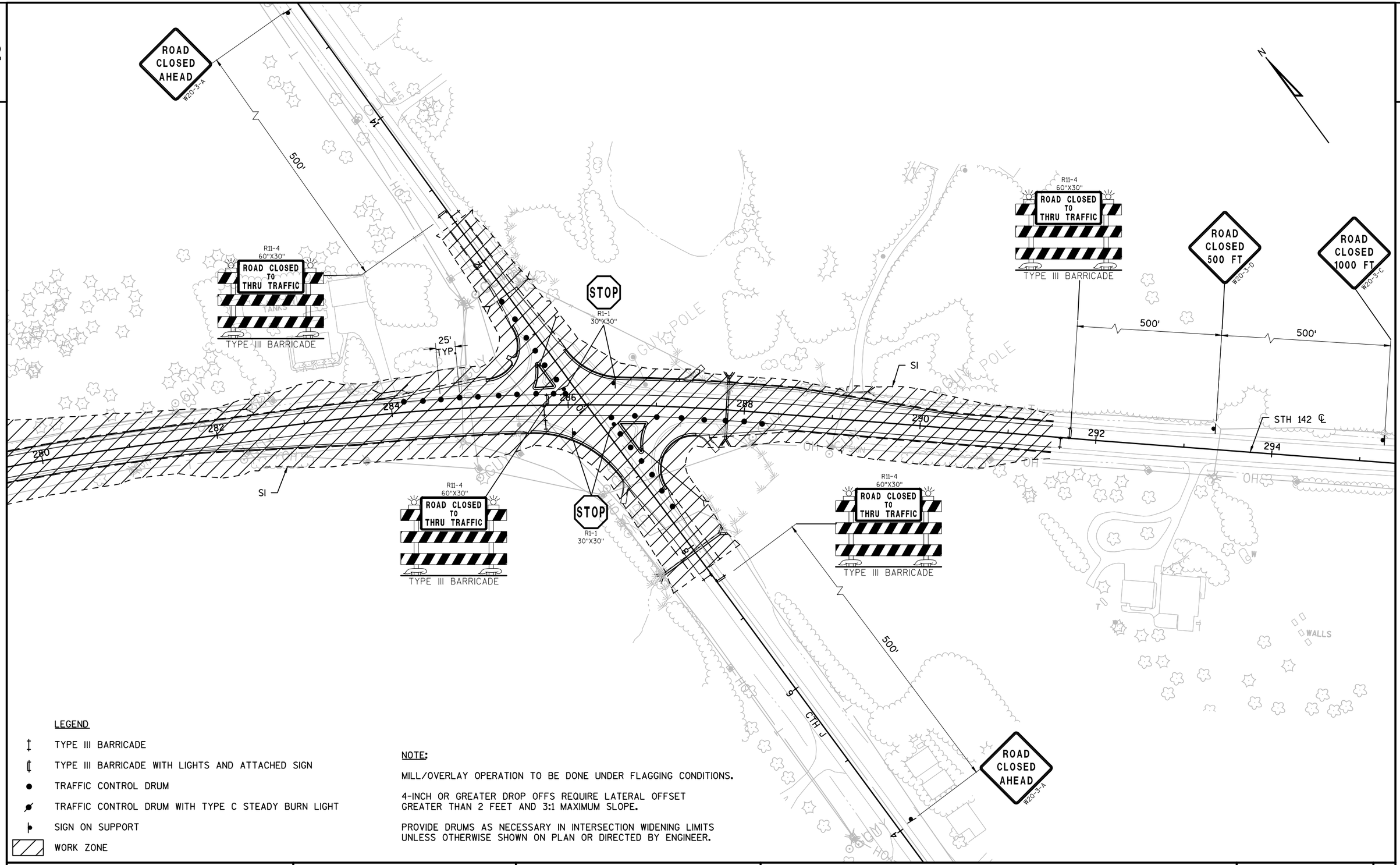
MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 162	E

2



LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH LIGHTS AND ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE C STEADY BURN LIGHT
- SIGN ON SUPPORT
- WORK ZONE

NOTE:

MILL/OVERLAY OPERATION TO BE DONE UNDER FLAGGING CONDITIONS.

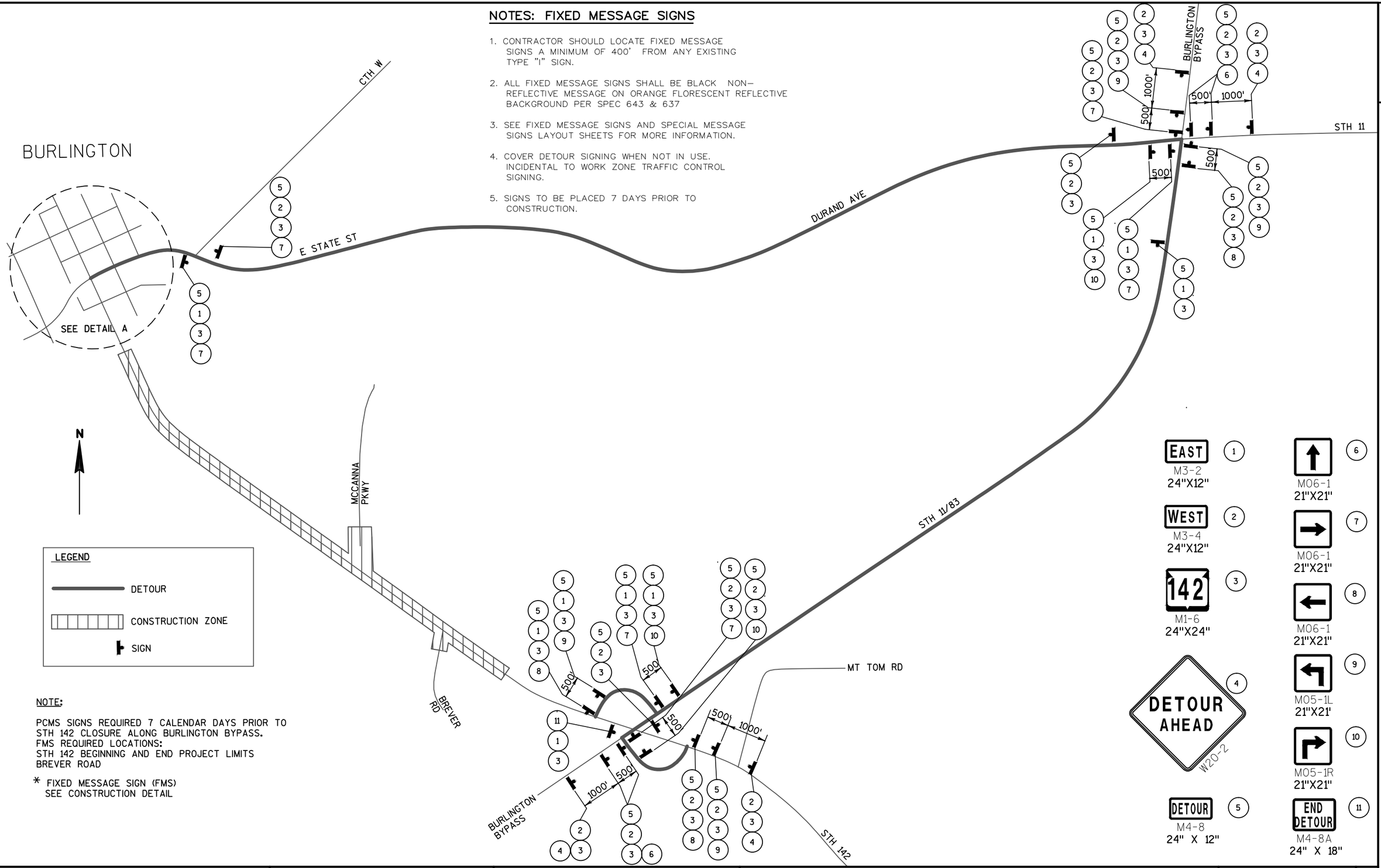
4-INCH OR GREATER DROP OFFS REQUIRE LATERAL OFFSET GREATER THAN 2 FEET AND 3:1 MAXIMUM SLOPE.

PROVIDE DRUMS AS NECESSARY IN INTERSECTION WIDENING LIMITS UNLESS OTHERWISE SHOWN ON PLAN OR DIRECTED BY ENGINEER.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	TRAFFIC CONTROL - STAGE 2	SHEET 163	E

NOTES: FIXED MESSAGE SIGNS

1. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.
2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637
3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.
4. COVER DETOUR SIGNING WHEN NOT IN USE. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
5. SIGNS TO BE PLACED 7 DAYS PRIOR TO CONSTRUCTION.



LEGEND

- DETOUR
- CONSTRUCTION ZONE
- SIGN

NOTE:

PCMS SIGNS REQUIRED 7 CALENDAR DAYS PRIOR TO STH 142 CLOSURE ALONG BURLINGTON BYPASS.
FMS REQUIRED LOCATIONS:
STH 142 BEGINNING AND END PROJECT LIMITS
BREVER ROAD

* FIXED MESSAGE SIGN (FMS) SEE CONSTRUCTION DETAIL

1	EAST M3-2 24"X12"	6	M06-1 21"X21"
2	WEST M3-4 24"X12"	7	M06-1 21"X21"
3	142 M1-6 24"X24"	8	M06-1 21"X21"
4	DETOUR AHEAD W20-2	9	M05-1L 21"X21"
5	DETOUR M4-8 24" X 12"	10	M05-1R 21"X21"
11	END DETOUR M4-8A 24" X 18"		

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	DETOUR - STAGE 1	SHEET 164 E

2

2

N

E WASHINGTON ST

N MAIN ST

N WISCONSIN ST

CAPITAL ST

E JEFFERSON ST

N SPRING ST

MADISON ST

N CALUMET ST

E STATE ST

CTH W

ADAMS ST

STH 142

LEGEND

DETOUR

SIGN

1 — EAST — M3-2 — 24"X12"

2 — WEST — M3-4 — 24"X12"

3 — 142 — M1-6 — 24"X24"

4 — DETOUR AHEAD — W20-2

5 — DETOUR — M4-8 — 24" X 12"

6 — M06-1 — 21"X21"

7 — M06-1 — 21"X21"

8 — M06-1 — 21"X21"

9 — M05-1L — 21"X21'

10 — M05-1R — 21"X21"

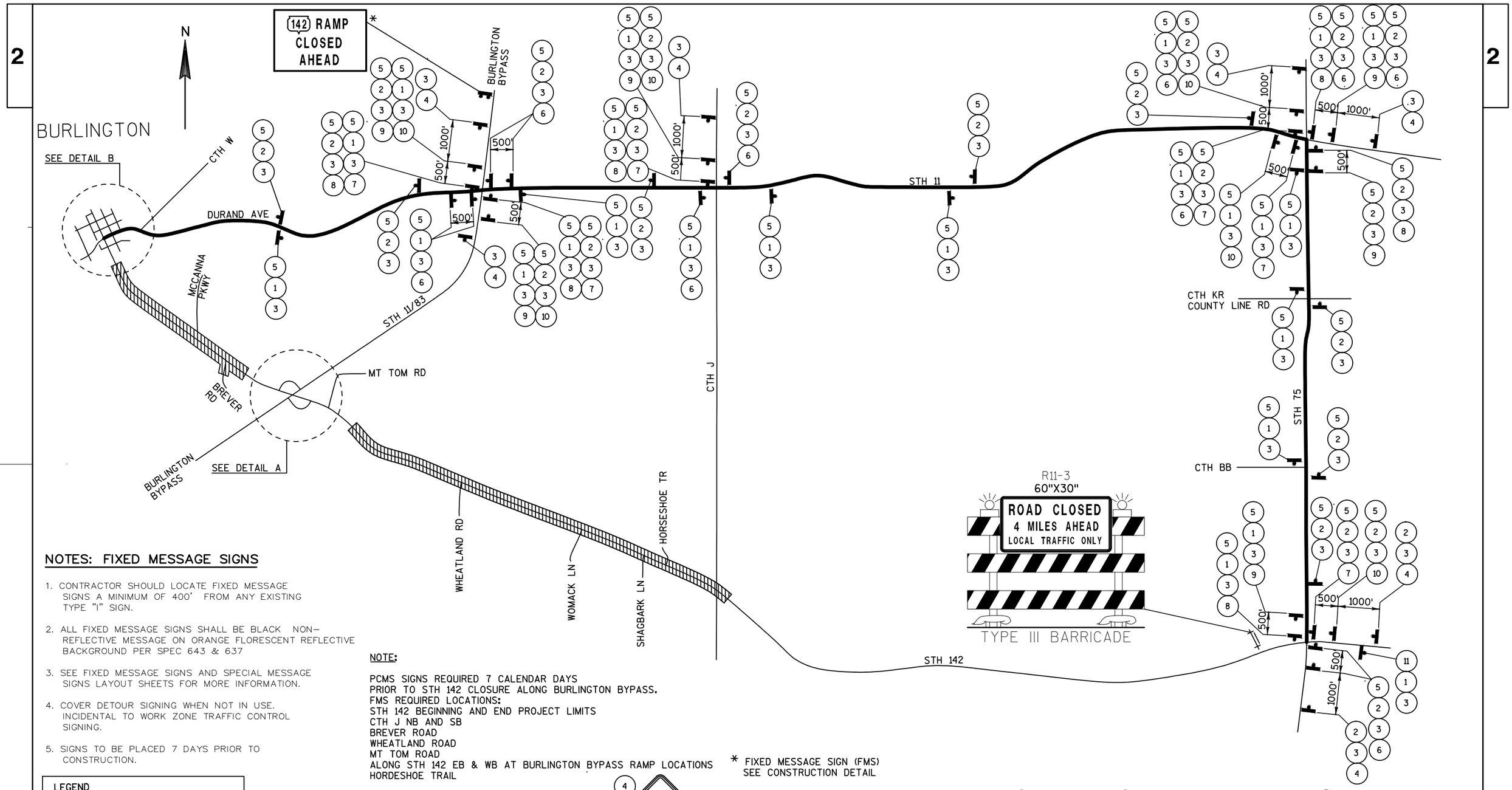
11 — END DETOUR — M4-8A — 24" X 18"

PROJECT NO:3370-05-70	HWY:STH 142	COUNTY:RACINE	DETOUR - STAGE 1 - DETAIL A	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\33700500\027000_DT2.DWG
LAYOUT NAME - ****

PLOT DATE : 10/7/2016 3:32 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : ---------- PLOT SCALE : Custom

WISDOT/CADDS SHEET 42



R11-3
60"X30"

TYPE III BARRICADE

NOTES: FIXED MESSAGE SIGNS

1. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.
2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637
3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.
4. COVER DETOUR SIGNING WHEN NOT IN USE. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
5. SIGNS TO BE PLACED 7 DAYS PRIOR TO CONSTRUCTION.

NOTE:

PCMS SIGNS REQUIRED 7 CALENDAR DAYS
PRIOR TO STH 142 CLOSURE ALONG BURLINGTON BYPASS.
FMS REQUIRED LOCATIONS:
STH 142 BEGINNING AND END PROJECT LIMITS
CTH J NB AND SB
BREVER ROAD
WHEATLAND ROAD
MT TOM ROAD
ALONG STH 142 EB & WB AT BURLINGTON BYPASS RAMP LOCATIONS
HORDESHOE TRAIL

* FIXED MESSAGE SIGN (FMS)
SEE CONSTRUCTION DETAIL

LEGEND

- DETOUR
- CONSTRUCTION ZONE
- SIGN

(1) EAST — M3-2 — 24"X12"

(2) WEST — M3-4 — 24"X12"

(3) 142 — M1-6 — 24"X24"

(4) DETOUR AHEAD — W20-2

(5) DETOUR — M4-8 — 24" X 12"

(6) M06-1 — 21"X21"

(7) M06-1 — 21"X21"

(8) M06-1 — 21"X21"

(9) M05-1L — 21"X21'

(10) M05-1R — 21"X21"

(11) END DETOUR — M4-8A — 24" X 18"

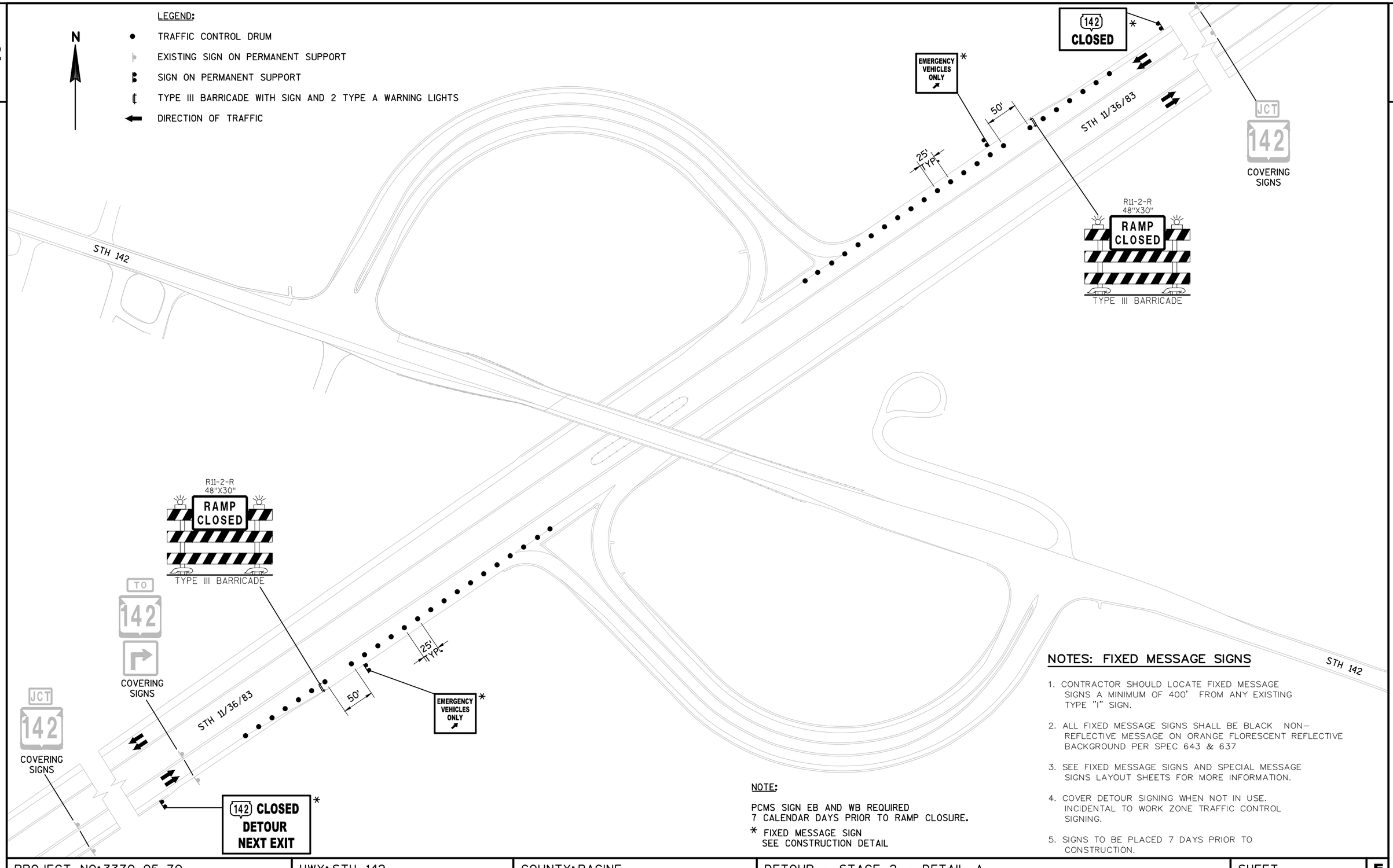
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	DETOUR - STAGE 2	SHEET 166	E

2

LEGEND:

- TRAFFIC CONTROL DRUM
- EXISTING SIGN ON PERMANENT SUPPORT
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE WITH SIGN AND 2 TYPE A WARNING LIGHTS
- DIRECTION OF TRAFFIC

N



NOTE:

PCMS SIGN EB AND WB REQUIRED
7 CALENDAR DAYS PRIOR TO RAMP CLOSURE.

* FIXED MESSAGE SIGN
SEE CONSTRUCTION DETAIL

NOTES: FIXED MESSAGE SIGNS

1. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.
2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637
3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.
4. COVER DETOUR SIGNING WHEN NOT IN USE. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.
5. SIGNS TO BE PLACED 7 DAYS PRIOR TO CONSTRUCTION.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	DETOUR - STAGE 2 - DETAIL A	SHEET 167	E

2

N

E WASHINGTON ST

N MAIN ST

N WISCONSIN ST

CAPITAL ST

E JEFFERSON ST

N SPRING ST

MADISON ST

N CALUMET ST

E STATE ST

CTH W

500'

1000'

ADAMS ST

STH 142

LEGEND

DETOUR

SIGN

1 — EAST — M3-2 — 24"X12"

2 — WEST — M3-4 — 24"X12"

3 — 142 — M1-6 — 24"X24"

4 — DETOUR AHEAD — W20-2

5 — DETOUR — M4-8 — 24" X 12"

6 — M06-1 — 21"X21"

7 — M06-1 — 21"X21"

8 — M06-1 — 21"X21"

9 — M05-1L — 21"X21"

10 — M05-1R — 21"X21"

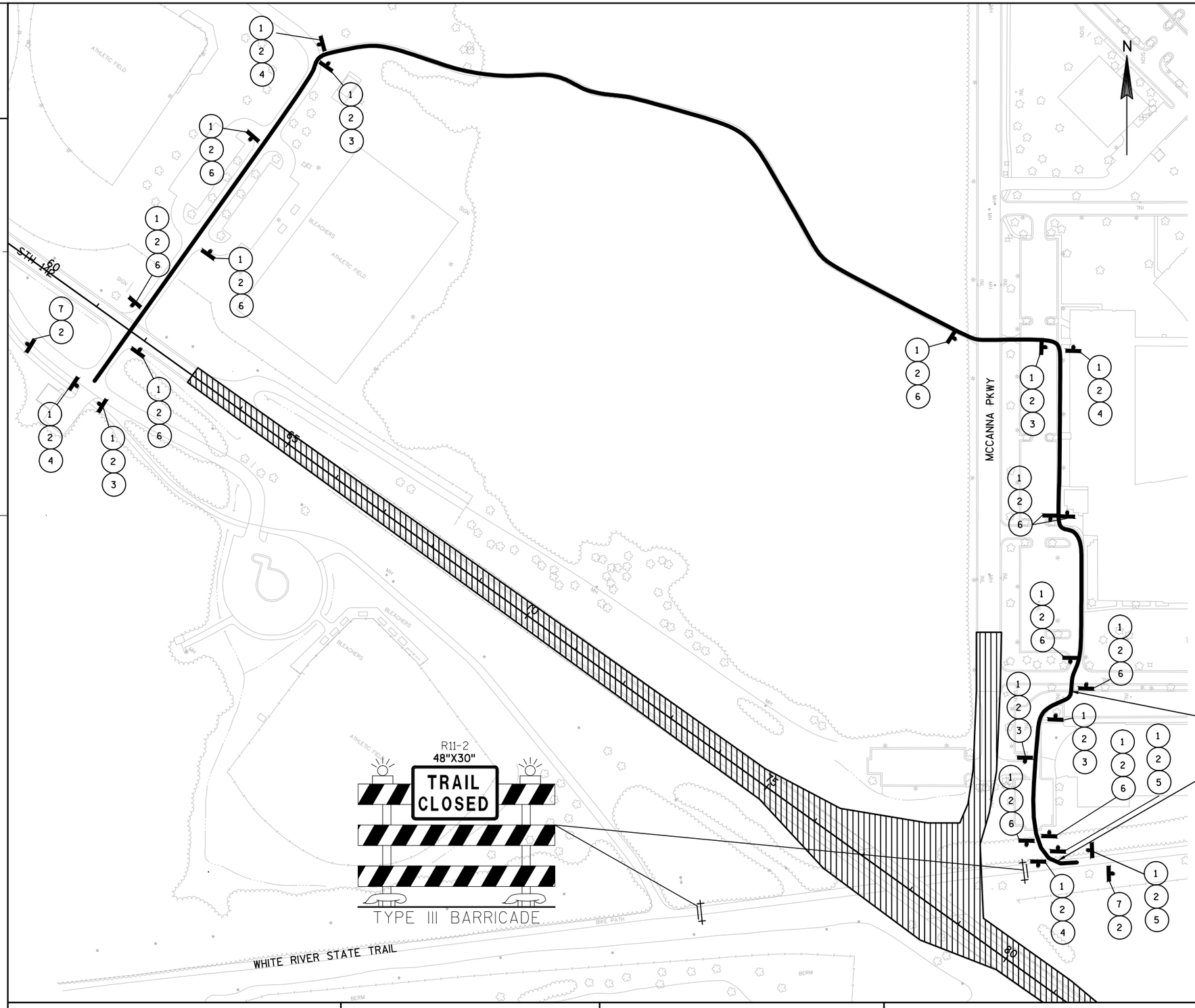
11 — END DETOUR — M4-8A — 24" X 18"

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	DETOUR - STAGE 2 - DETAIL B	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\33700500\027103_DT.DWG
LAYOUT NAME - ****

PLOT DATE : 10/25/2016 4:59 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : ---------- PLOT SCALE : Custom

WISDOT/CADDS SHEET 42



LEGEND

- DETOUR
- CONSTRUCTION ZONE
- SIGN

* FIXED MESSAGE SIGN
SEE CONSTRUCTION DETAIL

NOTES: FIXED MESSAGE SIGNS

1. CONTRACTOR SHOULD LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY EXISTING TYPE "I" SIGN.

2. ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND.

3. SEE FIXED MESSAGE SIGNS AND SPECIAL MESSAGE SIGNS LAYOUT SHEETS FOR MORE INFORMATION.

4. COVER DETOUR SIGNS WHEN NOT IN USE. INCIDENTAL TO WORK ZONE TRAFFIC CONTROL SIGNING.

5. SIGNS TO BE PLACED 7 DAYS PRIOR TO CONSTRUCTION.

1 — DETOUR
M4-8
24" X 12"

* 2 — WHITE RIVER TRAIL
R3-54R
24"X21"

3 — M06-1
21"X21"

4 — M06-1
21"X21"

5 — TRAIL CLOSED
R11-2
48"X30"

6 — M06-1
21"X21"

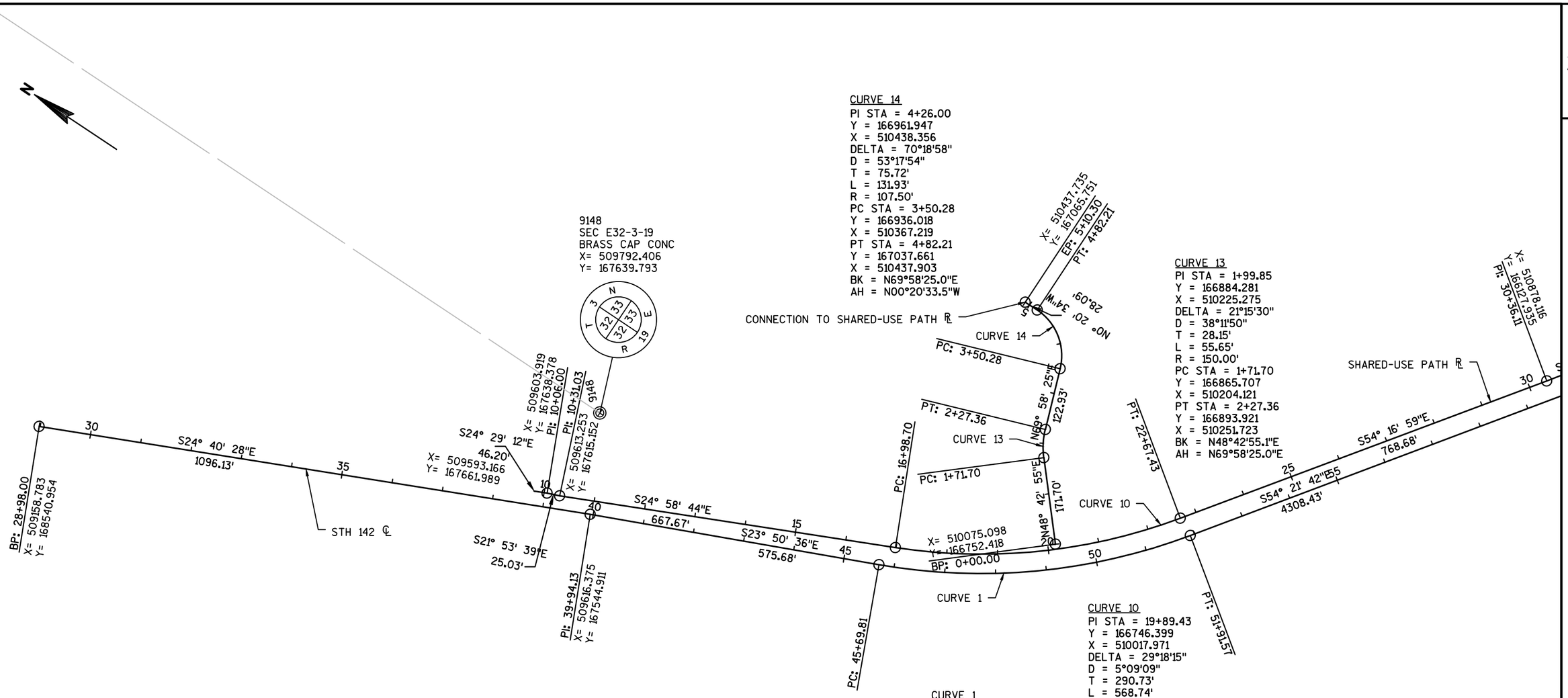
7 — END DETOUR
M4-8A
24" X 18"

NOTE:

- PCMS SIGNS REQUIRED 7 CALENDAR DAYS PRIOR TO STH 142 CLOSURE.
  PCMS REQUIRED LOCATIONS:
  ALONG WHITE RIVER STATE TRAIL EB AND WB
- UTILIZE TEMPORARY PEDESTRIAN SAFETY FENCE TO DELINIATE PEDESTRIANS THRU PARKING LOT AREAS WHERE NO SIDEWALK IS EXISTING OR EXISTING CROSSWALKS PROVIDED.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	WHITE RIVER STATE TRAIL DETOUR	SHEET 169	E

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 170	E

2

CURVE 11
PI STA = 32+91.55
Y = 165979.562
X = 511086.055
DELTA = 6°45'09"
D = 22°55'06"
T = 14.75'
L = 29.46'
R = 250.00'
PC STA = 32+76.80
Y = 165988.129
X = 511074.049
PT STA = 33+06.27
Y = 165972.466
X = 511098.985
BK = S54°29'25.7"E
AH = S61°14'35.0"E

9162
SEC
X= 512458.487
Y= 164993.588

X= 510878.116
Y= 166127.935
PI: 30+36.11

PC: 32+76.80

CURVE 11 S61° 14' 35"E
157.29'
X= 511158.350
Y= 165939.888

SHARED-USE PATH ℄

30 S54° 29' 26"E 60 225.57' 65 70 S54° 21' 42"E 75 4308.43' 80 85 S54° 21' 42"E 4308.43'

STH 142 ℄

X= 511061.732
Y= 165996.917
PI: 32+61.67

PT: 33+06.27

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 171	E

2

N

X= 513664.400
Y= 164265.427
EP: 5+43.39

STH 142, STA 93+05.77 =
BREVER RD, STA 3+95.44
X= 513580.275
Y= 165144.336

X= 513607.456
Y= 164183.461
PI: 4+43.58

S54° 21' 42"E
4308.43'

90

PC: 2+18.92

PT: 2+53.92

N34° 47' 20"E
99.80'

X= 513156.458
Y= 164223.893
BP: 0+00.00

CURVE 16

S53° 04' 26"E
141.79'

N34° 47' 20"E
201.34'

S63° 06' 09"E
218.92'

PT: 2+42.24

QUARRY DRWY ℄

CURVE 15

PI: 95+00.00
X= 513738.130
Y= 164031.164

95

100 S54° 24' 01"E
947.51'

PC: 104+47.51

105

CURVE 2

PT: 107+90.87

110

S71° 30' 28"E
2260.65'

115

STH 142 ℄

PC: 1+38.87
X= 513494.724
Y= 164021.188
EP: 3+95.73

N11° 05' 55"W
138.81'

BP: 0+00.00
X= 513425.837
Y= 163787.317

BREVER ROAD ℄

CURVE 16

PI STA = 2+36.47
Y = 164116.917
X = 513367.343
DELTA = 10°01'42"
D = 28°38'52"
T = 17.55'
L = 35.01'
R = 200.00'
PC STA = 2+18.92
Y = 164124.855
X = 513351.694
PT STA = 2+53.92
Y = 164106.374
X = 513381.371
BK = S63°06'09.0"E
AH = S53°04'26.5"E

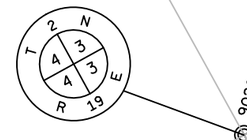
CURVE 15

PI STA = 1+91.30
Y = 163975.044
X = 513462.663
DELTA = 23°41'25"
D = 22°55'06"
T = 52.43'
L = 103.37'
R = 250.00'
PC STA = 1+38.87
Y = 163923.591
X = 513452.569
PT STA = 2+42.24
Y = 164018.105
X = 513492.579
BK = N11°05'55.0"E
AH = N34°47'19.8"E

CURVE 2

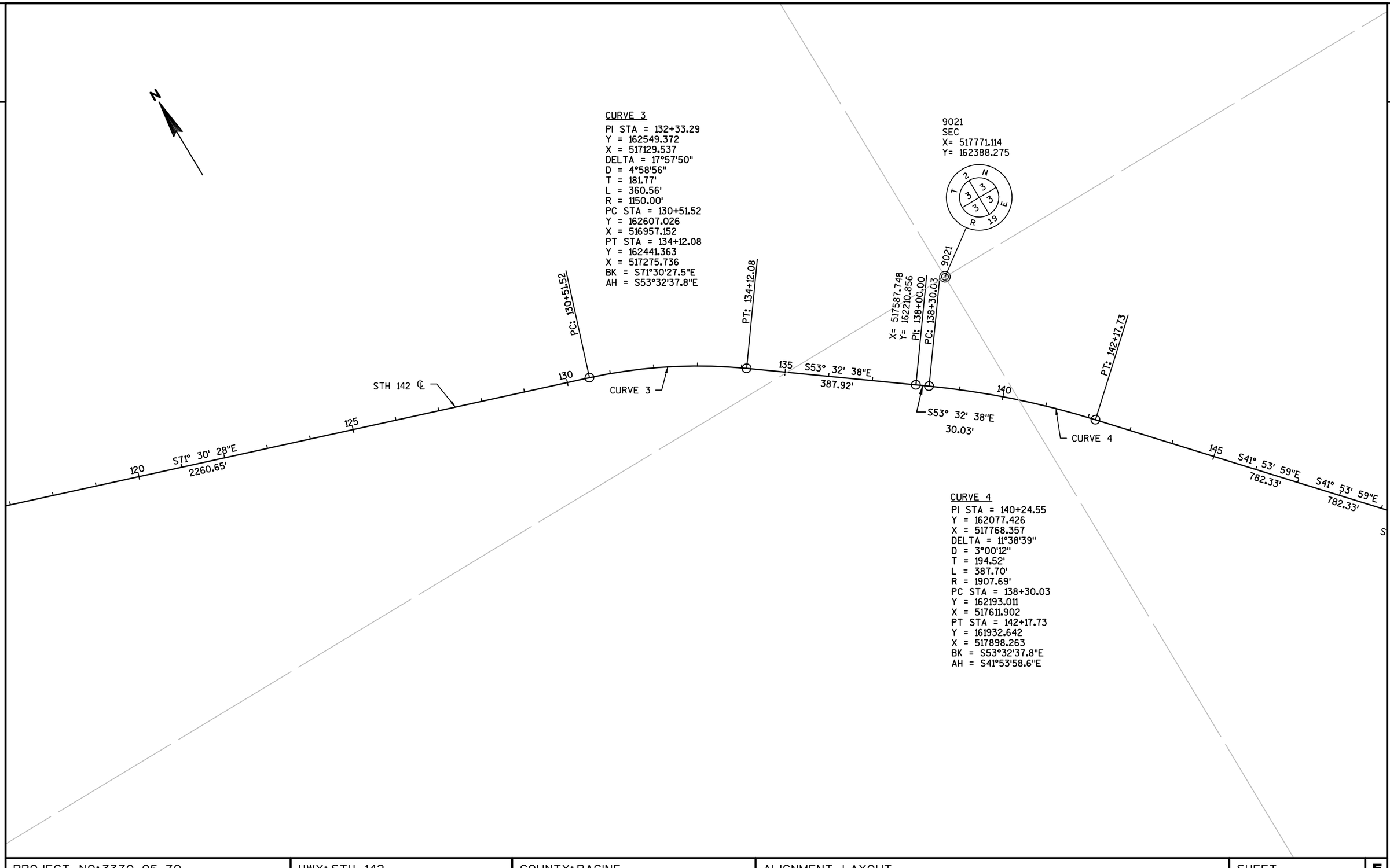
PI STA = 106+20.48
Y = 163378.915
X = 514649.194
DELTA = 17°06'26"
D = 4°58'56"
T = 172.97'
L = 343.37'
R = 1150.00'
PC STA = 104+47.51
Y = 163479.604
X = 514508.551
PT STA = 107+90.87
Y = 163324.053
X = 514813.232
BK = S54°24'01.3"E
AH = S71°30'27.5"E

9020
SEC
X= 515118.010
Y= 162376.810



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 172	E

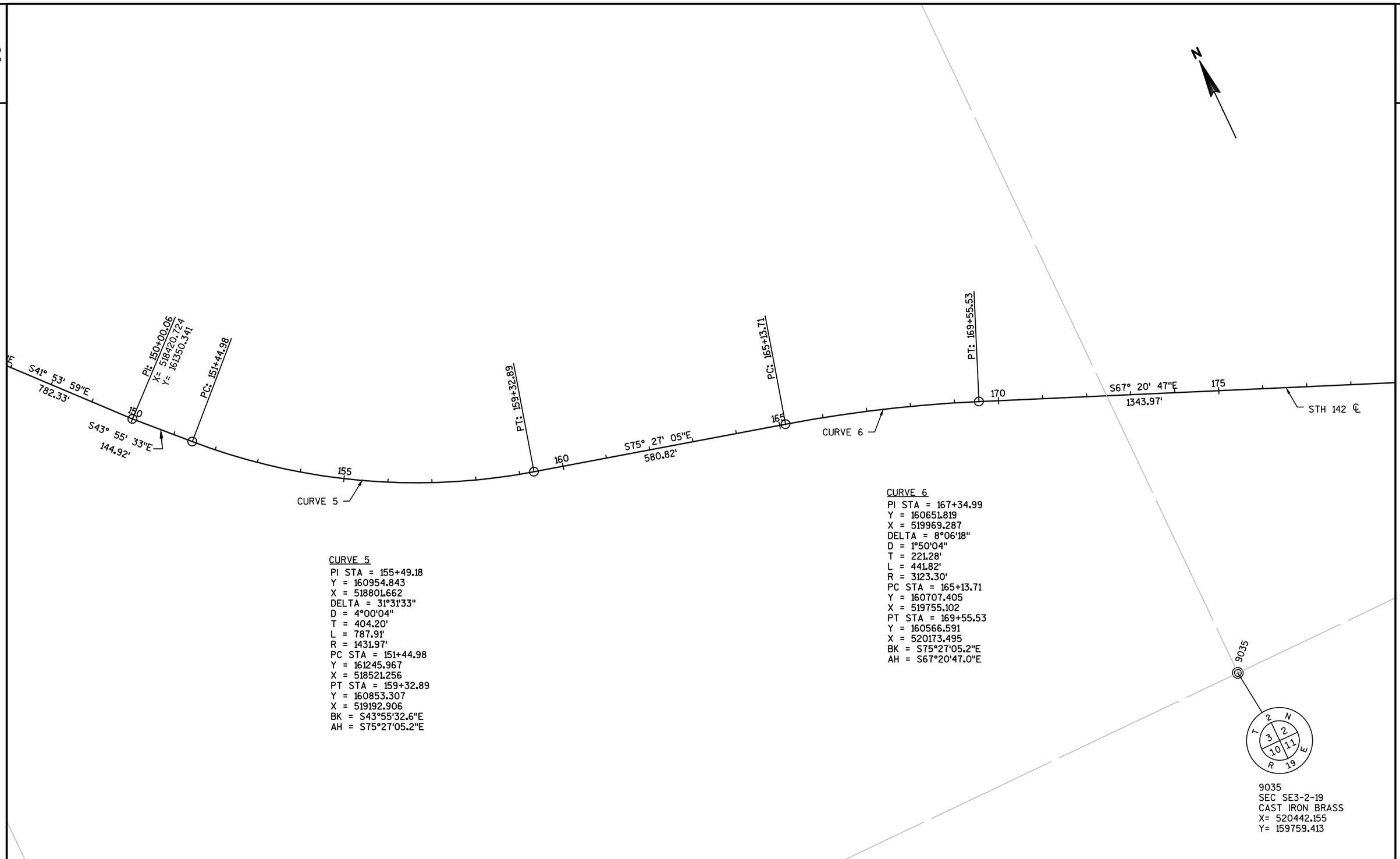
2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 173	E

2

2



CURVE 5

PI STA = 155+49.18
Y = 160954.843
X = 518801.662
DELTA = 31°31'33"
D = 4°00'04"
T = 404.20'
L = 787.91'
R = 1431.97'
PC STA = 151+44.98
Y = 161245.967
X = 518521.256
PT STA = 159+32.89
Y = 160853.307
X = 519192.906
BK = S43°55'32.6"E
AH = S75°27'05.2"E

CURVE 6

PI STA = 167+34.99
Y = 160651.819
X = 519969.287
DELTA = 8°06'18"
D = 1°50'04"
T = 221.28'
L = 441.82'
R = 3123.30'
PC STA = 165+13.71
Y = 160707.405
X = 519755.102
PT STA = 169+55.53
Y = 160566.591
X = 520173.495
BK = S75°27'05.2"E
AH = S67°20'47.0"E

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 174	E

2

N

9536
WIT COR S2-2-19
X= 523067.393
Y= 159767.942

T 2 N
2 2
11 11
R 19 E

9536

PI: 182+99.50
X= 521413.780
Y= 160048.948

180 S67° 20' 47"E
1343.97'

185

EP: 15+00.00

STH 142, STA 187+94.21 =
WHEATLAND RD, STA 15+00.00
X= 521868.129
Y= 159853.222

N20° 08' 35"E
50.66'

PT: 14+49.34
X= 521850.683
Y= 159805.661

CURVE 17

PC: 13+55.54
X= 521829.674
Y= 159714.496

WHEATLAND ROAD ℄

N5° 48' 42"E
264.13'

BP: 10+91.41
X= 521802.928
Y= 159451.723

190

S66° 41' 40"E
1166.79'

PI: 194+66.29
X= 522485.366
Y= 159587.327

195

STH 142 ℄

S67° 28' 16"E
627.05'

200

PI: 200+93.34
X= 523064.567
Y= 159347.071

S68° 09' 44"E
152.38'

PI: 202+45.72
X= 523206.013
Y= 159290.389

S69° 45' 11"E
354.34'

205

PI: 206+00.06
X= 523538.458
Y= 159167.764

S70° 01' 20"E
224.81'

PI: 208+24.87
X= 523749.740
Y= 159090.957

CURVE 17
PI STA = 14+02.69
Y = 159761.399
X = 521834.448
DELTA = 14°19'53"
D = 15°16'44"
T = 47.15'
L = 93.80'
R = 375.00'
PC STA = 13+55.54
Y = 159714.496
X = 521829.674
PT STA = 14+49.34
Y = 159805.661
X = 521850.683
BK = N05°48'42.5"E
AH = N20°08'35.4"E

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\33700500\027200_AD.DWG
LAYOUT NAME - (06)_AD

PLOT DATE : 6/1/2016 2:47 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:200 FT

2

N

9037
SEC SE2-2-19
CAST IRON BRASS
X= 525689.482
Y= 159786.240

PI: 208+24.87
X= 523749.740
Y= 159090.957

PI: 215+10.11
X= 524391.760
Y= 158851.453

X= 524996.387
Y= 158634.221
PI: 221+52.58

PI: 222+11.78
X= 525052.149
Y= 158614.339

PI: 228+98.57
X= 525694.064
Y= 158370.147

STH 142, STA 233+86.21 =
WOMACK LN, STA 20+00.00
X= 526149.206
Y= 158195.106

PI: 233+98.37
X= 526160.554
Y= 158190.742

20"E
210
S69° 32' 32"E
685.24'
215
S70° 14' 15"E
642.47'
220
S70° 22' 36"E
59.20'
225
S69° 10' 21"E
686.79'
230
S68° 57' 50"E
499.80'
EP: 20+00.00
235
S68° 57' 50"E
913.55'

STH 142 ℄

CURVE 18
PI STA = 14+91.22
Y = 157719.484
X = 525968.150
DELTA = 6°06'27"
D = 4°05'15"
T = 74.78'
L = 149.42'
R = 1401.71'
PC STA = 14+16.44
Y = 157652.824
X = 525934.262
PT STA = 15+65.86
Y = 157789.370
X = 525994.754
BK = N26°56'52.7"E
AH = N20°50'25.7"E

N20° 50' 26"E
434.14'

WOMACK LANE ℄

PT: 15+65.86

CURVE 18

15

PC: 14+16.44

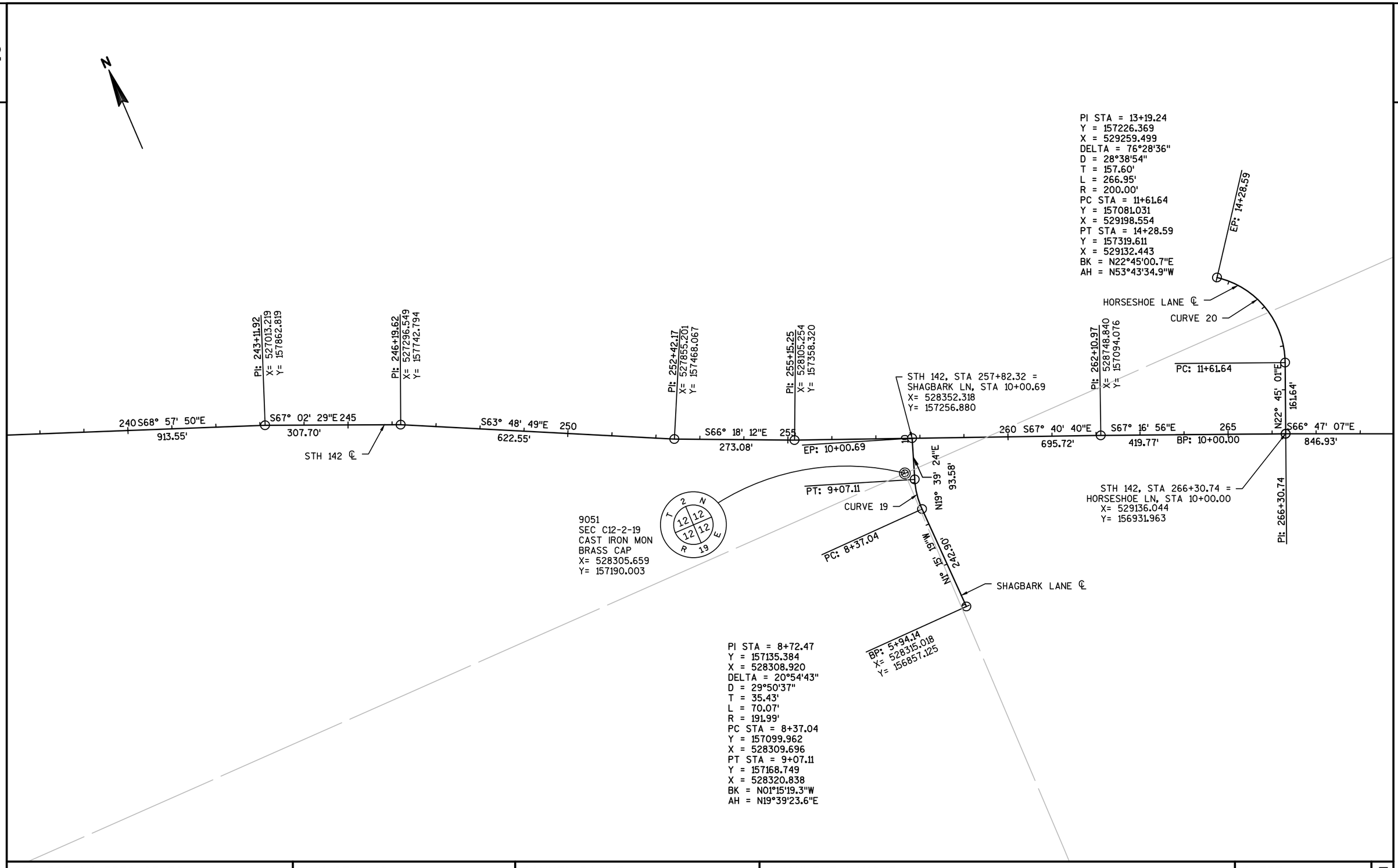
9050
SEC E11-2-19
MAG NAIL
X= 525697.982
Y= 157158.990

N26° 56' 53"E
320.00'

BP: 10+96.44
X= 525789.244
Y= 157367.570

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 176	E

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 177	E

2

9052
SEC E12-2-19
CAST IRON
BRASS
X= 530935.153
Y= 157221.175

EP: 16+71.09
X= 530933.434
Y= 156742.875

N0° 35' 57"E
671.09'

CURVE 8
PI STA = 285+57.99
Y = 156120.461
X = 530882.335
DELTA = 12°24'38"
D = 2°27'00"
T = 254.27'
L = 506.56'
R = 2338.60'
PC STA = 283+03.71
Y = 156242.595
X = 530659.314
PT STA = 288+10.27
Y = 155953.250
X = 531073.896
BK = S61°17'35.9"E
AH = S48°52'57.5"E

PI: 274+77.66
X= 529914.398
Y= 156598.124

PC: 278+57.76

PT: 281+07.82

PC: 283+03.71

PT: 288+10.27

PI: 292+00.74
X= 531368.061
Y= 155696.477

270 S66° 47' 07"E
846.93'

275

S66° 30' 51"E
380.10'

280

CURVE 7

S61° 17' 36"E
195.90'

285

CURVE 8

290S48° 52' 58"E
390.47'

S49° 16' 27"E 295
1617.82'

STH 142 ℄

PI: 10+00.00

STH 142, STA 286+21.00 =
CTH J, STA 10+00.00
X= 530926.415
Y= 156071.822

CURVE 7
PI STA = 279+82.88
Y = 156396.786
X = 530377.758
DELTA = 5°13'15"
D = 2°05'16"
T = 125.12'
L = 250.06'
R = 2744.24'
PC STA = 278+57.76
Y = 156446.648
X = 530263.006
PT STA = 281+07.82
Y = 156336.689
X = 530487.496
BK = S66°30'51.1"E
AH = S61°17'35.9"E

S0° 00' 18"W
757.59'

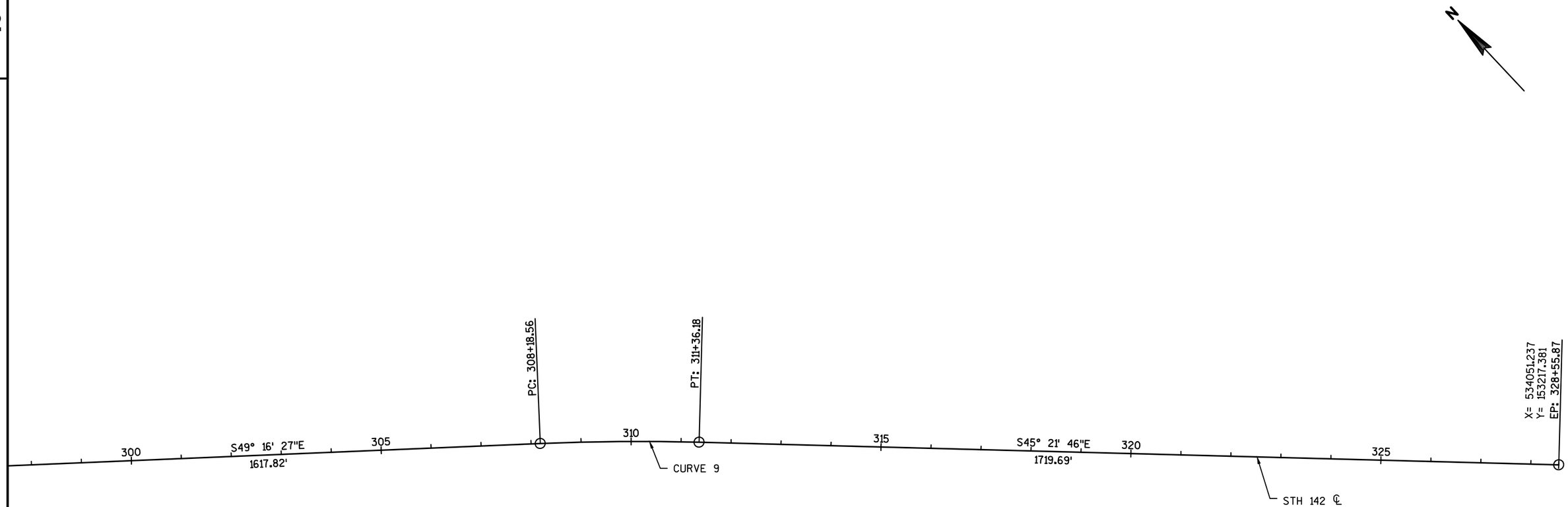
CTH J ℄

BP: 2+42.41
X= 530926.482
Y= 155314.233

9065
SEC E3-2-19
CAST IRON
BRASS CAP
X= 530927.817
Y= 154574.631

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 178	E

2



CURVE 9
PI STA = 309+77.43
Y = 154537.289
X = 532714.508
DELTA = 3°54'41"
D = 1°13'53"
T = 158.87'
L = 317.62'
R = 4652.69'
PC STA = 308+18.56
Y = 154640.942
X = 532594.110
PT STA = 311+36.18
Y = 154425.664
X = 532827.555
BK = S49°16'26.7"E
AH = S45°21'46.0"E

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET 179	E

2

2

N

STA 33+74 = STA 17+10'P'

L4 18'P' C=9 20'P' L8 22'P' L5 28'P' C=6 26'P' C=7 30'P' L6 L7 C=3 C=4 32'P' C=5 L3 C=8 L2 C=2 C=1

SHARED-USE PATH R/L

STH 142

McCANNA PKWY C/L

MCANNA PKWY

L1

26 24 22 20 18 16 14 12

T 2 N
3.3 3.3
4 4
R 19 E

9162
SEC
Y=164993.588
X=512458.487

210 212 L13 214 L12 C=12 208

204 C=10 L9 202 206 L10 C=11 L11 C=13

WHITE RIVER STATE TRAIL

WHITE RIVER STATE TRAIL C/L

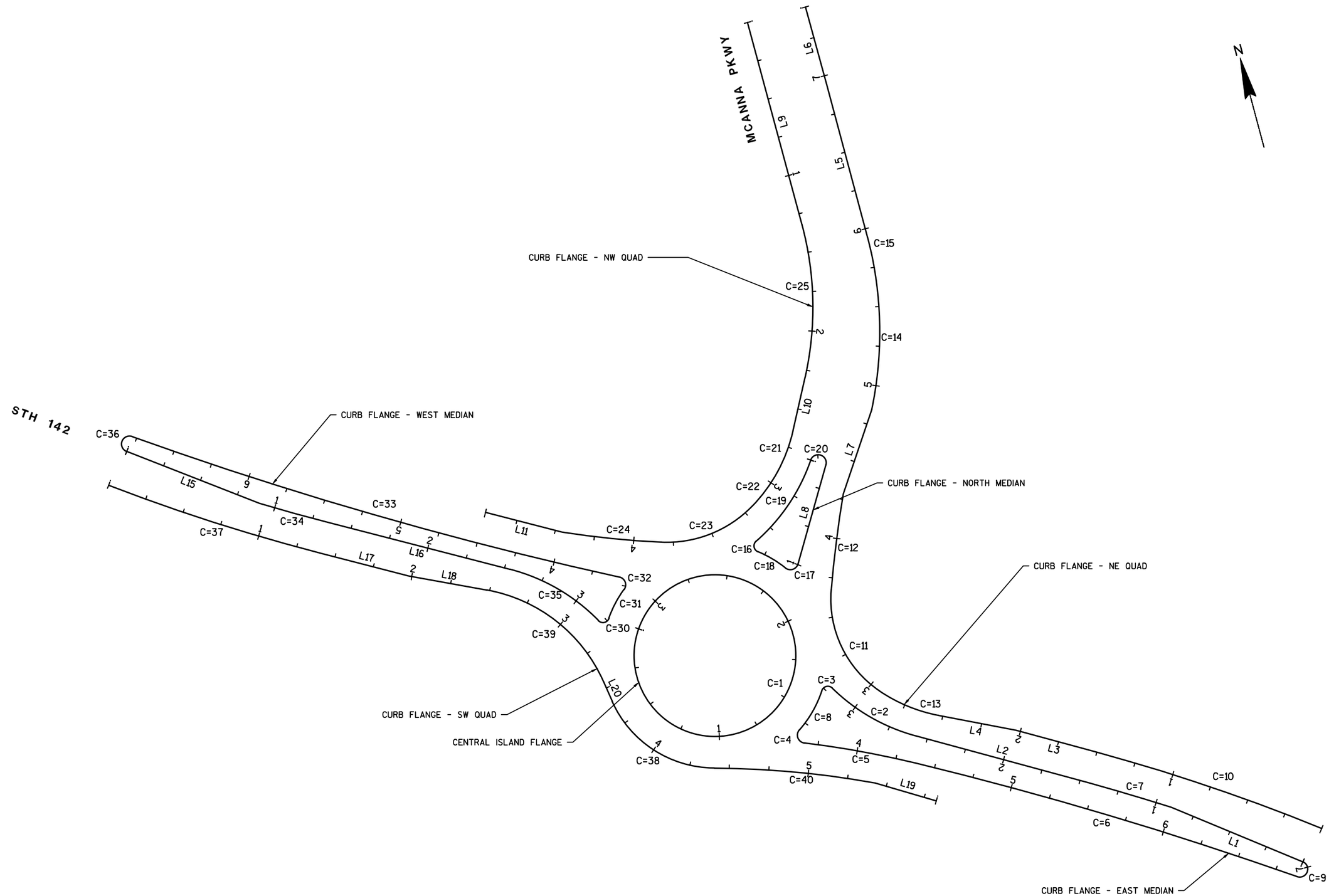
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	ALIGNMENT PLAN	SHEET 180	E

McCANNA PKWY																
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
L2	9+01.15	9+78.51	165028.52 512347.00	165091.39 512392.08						77.36'						N35°38'18.1"E
C=2					10+10.82	165105.68 512421.06	30°08'19"	47°44'47"	32.31'	63.12'	4.27'	120.00'	9+78.51	10+41.63	N63°45'55.7"E	N33°37'36.3"E
L3	10+41.63	10+68.47	165132.58 512438.95	165154.92 512453.81						26.83'						N33°37'36.3"E
C=1					11+34.94	165210.28 512490.63	33°37'37"	26°02'37"	66.48'	129.12'	9.82'	220.00'	10+68.47	11+97.58	N33°37'36.3"E	N0°00'00.4"W
L1	11+97.58	27+02.30	165276.75 512490.63	166781.47 512490.62						1504.71'						N0°00'00.4"W

SHARED-USE PATH																
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
L4	16+49.66	18+08.23	165969.12 511105.08	165892.84 511244.09						158.57'						S61°14'35.8"E
C=9					18+14.63	165889.76 511249.70	3°39'49"	28°38'52"	6.40'	12.79'	0.10'	200.00'	18+08.23	18+21.02	S61°14'35.8"E	S57°34'46.9"E
L8	18+21.02	25+55.47	165886.33 511255.10	165492.57 511875.07						734.45'						S57°34'46.9"E
C=6					25+80.47	165479.17 511896.18	1°58'50"	3°57'40"	25.00'	50.00'	0.22'	1446.41'	25+55.47	26+05.47	S57°34'46.9"E	S55°35'56.7"E
L5	26+05.47	28+85.18	165465.04 511916.81	165307.01 512147.60						279.71'						S55°35'56.7"E
C=7					29+38.32	165276.98 512191.45	29°45'44"	28°38'52"	53.15'	103.89'	6.94'	200.00'	28+85.18	29+89.07	S55°35'56.7"E	S25°50'12.3"E
L6	29+89.07	30+44.37	165229.15 512214.61	165179.38 512238.71						55.30'						S25°50'12.3"E
C=3					30+82.70	165144.88 512255.42	42°12'30"	57°40'57"	38.34'	73.17'	7.14'	99.33'	30+44.37	31+17.54	S25°50'12.3"E	S68°02'42.2"E
L7	31+17.54	31+22.83	165130.54 512290.97	165128.57 512295.88						5.29'						S68°02'42.2"E
C=4					31+44.33	165120.53 512315.82	4°09'35"	9°40'42"	21.50'	42.98'	0.39'	592.00'	31+22.83	31+65.81	S68°02'42.2"E	S72°12'17.2"E
C=8					31+96.05	165104.71 512365.09	48°35'36"	85°30'58"	30.25'	56.82'	6.51'	67.00'	31+65.81	32+22.63	S72°12'17.2"E	N59°12'06.6"E
C=5					32+48.54	165133.47 512413.33	31°27'20"	62°16'41"	25.91'	50.51'	3.58'	92.00'	32+22.63	32+73.14	N59°12'06.6"E	N27°44'46.4"E

WHITE RIVER STATE TRAIL																
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
L9	200+00.00	203+78.27	164943.99 511702.22	164991.65 512077.47						378.27'						N82°45'42.7"E
C=10					204+40.04	164999.43 512138.75	24°12'39"	19°53'40"	61.77'	121.70'	6.55'	288.00'	203+78.27	204+99.96	N82°45'42.7"E	S73°01'38.1"E
L10	204+99.96	206+48.71	164981.40 512197.83	164937.98 512340.10						148.75'						S73°01'38.1"E
C=11					206+80.00	164928.84 512370.03	6°09'17"	9°50'41"	31.29'	62.52'	0.84'	582.00'	206+48.71	207+11.23	S73°01'38.1"E	S66°52'21.1"E
L11	207+11.23	207+52.69	164916.55 512398.80	164954.82 512414.76						41.46'						N22°38'06.9"E
C=13					207+55.32	164957.25 512415.77	29°29'45"	572°57'28"	2.63'	5.15'	0.34'	10.00'	207+52.69	207+57.84	N22°38'06.9"E	N52°07'52.1"E
L12	207+57.84	208+37.06	164958.86 512417.85	165007.49 512480.39						79.22'						N52°07'52.1"E
C=12					209+07.25	165050.58 512535.79	31°21'42"	22°55'06"	70.18'	136.84'	9.66'	250.00'	208+37.06	209+73.91	N52°07'52.1"E	N83°29'33.9"E
L13	209+73.91	214+63.44	165058.53 512605.52	165114.01 513091.91						489.54'						N83°29'33.9"E

2



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CURB ALIGNMENTS	SHEET 182	E

CENTRAL ISLAND FLANGE																
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
C=1					-0+00.00	165057.09 512306.14	359°59'56"	112°20'41"	0.00'	320.44'	102.00'	51.00'	0+00.00	3+20.44	S34°23'22.0"W	S34°23'26.1"W

CURB FLANGE - EAST MEDIAN																
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
L1	0+00.00	0+90.00	164806.49 512672.95	164861.29 512601.56						90.00'						N52°29'16.2"W
C=7					1+17.46	164876.17 512578.48	2°37'17"	4°46'29"	27.46'	54.90'	0.31'	1200.00'	0+90.00	1+44.91	N57°11'02.3"W	N59°48'19.8"W
L2	1+44.91	2+57.49	164889.98 512554.75	164946.60 512457.44						112.59'						N59°48'19.8"W
C=2					2+88.80	164962.35 512430.38	29°14'44"	47°44'47"	31.31'	61.25'	4.02'	120.00'	2+57.49	3+18.74	N59°48'19.8"W	N30°33'36.0"W
C=3					3+25.18	164994.85 512411.19	116°17'46"	1432°23'40"	6.44'	8.12'	3.58'	4.00'	3+18.74	3+26.86	N30°33'36.0"W	S33°08'37.9"W
C=8					3+41.40	164977.29 512399.72	23°09'04"	80°41'54"	14.54'	28.69'	1.47'	71.00'	3+26.86	3+55.55	S33°08'37.9"W	S56°17'42.1"W
C=4					3+65.04	164963.95 512379.73	124°26'04"	1145°54'56"	9.49'	10.86'	5.73'	5.00'	3+55.55	3+66.41	S56°17'42.1"W	S68°08'22.0"E
C=5					4+02.30	164947.05 512421.84	6°50'44"	9°32'57"	35.89'	71.69'	1.07'	600.00'	3+66.41	4+38.10	S68°08'22.0"E	S61°17'37.6"E
C=6					5+63.72	164869.48 512563.50	5°45'12"	2°17'31"	125.62'	251.03'	3.15'	2500.00'	4+38.10	6+89.13	S61°17'37.6"E	S55°32'25.8"E
C=9					8+76.78	164692.22 512821.80	176°56'50"	1145°54'56"	187.65'	15.44'	182.71'	5.00'	6+89.13	7+04.57	S55°32'25.8"E	N52°29'16.2"W

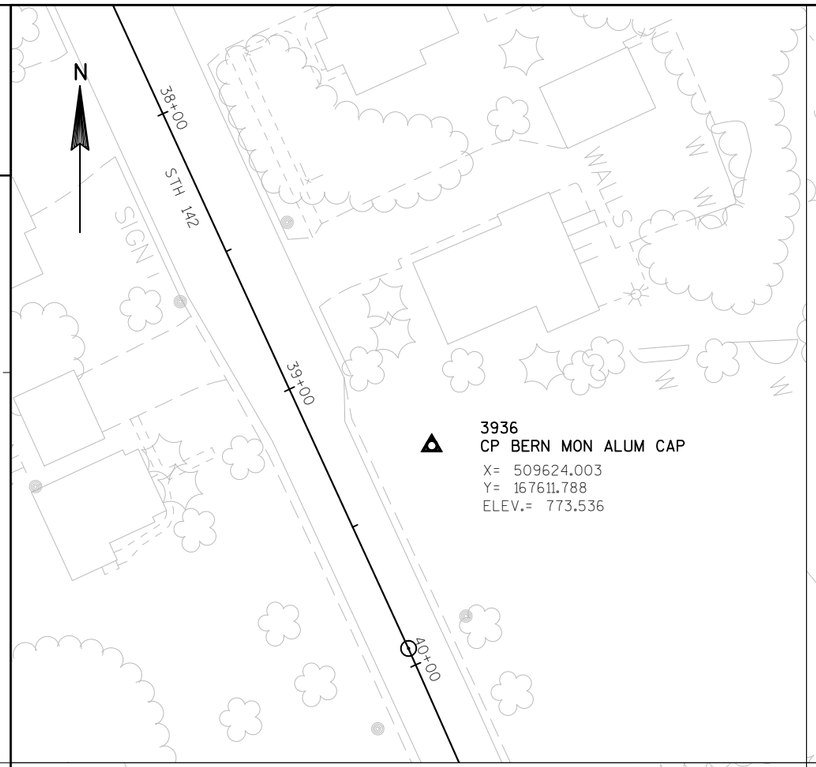
CURB FLANGE - NE QUAD																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
C=10					0+75.32	164869.39 512629.91	7°03'55"	4°41'47"	75.32'	150.44'	2.32'	1220.00'	-0+00.00	1+50.44	N52°44'24.8"W	N59°48'19.8"W
L3	1+50.44	2+02.73	164907.27 512564.81	164933.56 512519.62						52.29'						N59°48'19.8"W
L4	2+02.73	2+52.73	164933.56 512519.62	164955.42 512474.65						50.00'						N64°04'30.3"W
C=13					2+73.25	164964.39 512456.20	23°11'07"	57°17'45"	20.51'	40.47'	2.08'	100.00'	2+52.73	2+93.20	N64°04'30.3"W	N40°53'23.7"W
C=11					3+34.17	165010.87 512415.95	60°40'42"	81°51'04"	40.97'	74.13'	11.11'	70.00'	2+93.20	3+67.33	N40°53'23.7"W	N19°47'17.8"E
C=12					3+97.91	165078.19 512440.17	4°40'10"	7°38'22"	30.58'	61.12'	0.62'	750.00'	3+67.33	4+28.45	N19°47'17.8"E	N24°27'27.4"E
L7	4+28.45	4+84.45	165106.03 512452.83	165152.63 512483.88						56.00'						N33°39'57.3"E
C=14					5+35.08	165197.81 512506.74	23°55'12"	23°58'23"	50.63'	99.78'	5.30'	239.00'	4+84.45	5+84.23	N26°50'29.9"E	N2°55'17.8"E
C=15					5+89.28	165253.41 512509.57	2°53'33"	28°38'52"	5.05'	10.10'	0.06'	200.00'	5+84.23	5+94.33	N2°55'17.8"E	N0°01'44.7"E
L5	5+94.33	6+93.89	165258.46 512509.58	165358.03 512509.63						99.57'						N0°01'44.7"E
L6	6+93.89	7+45.04	165358.03 512509.63	165409.17 512509.32						51.15'						N0°20'41.0"W

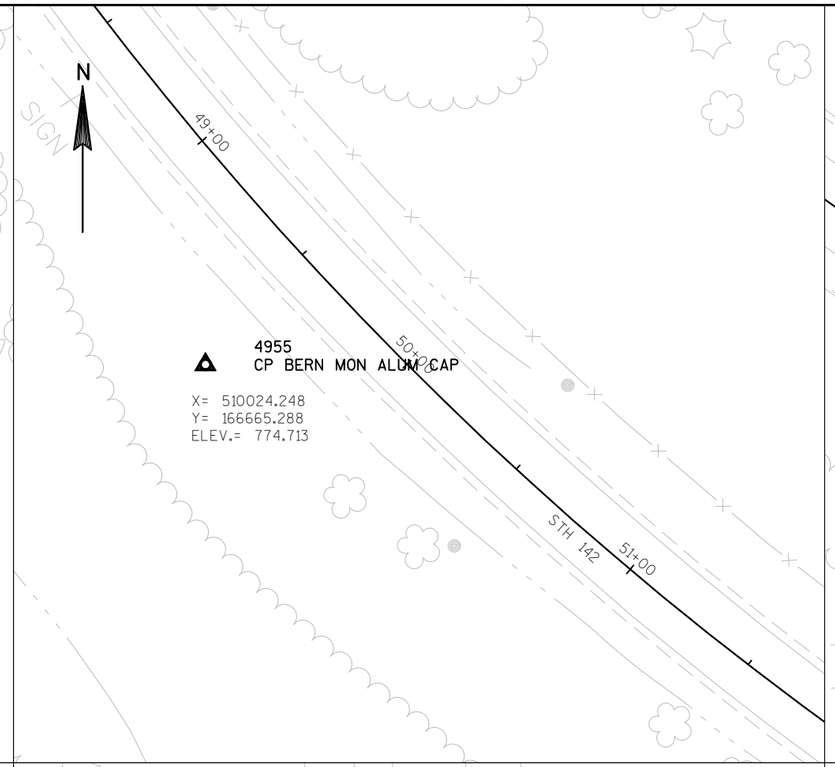
CURB FLANGE - NORTH MEDIAN																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
C=19					0+31.88	165105.49 512420.68	29°45'25"	47°44'47"	31.88'	62.32'	4.16'	120.00'	0+00.00	0+62.32	S34°00'31.2"W	S63°45'55.7"W
C=16					0+68.76	165088.55 512386.30	116°17'46"	1432°23'40"	6.44'	8.12'	3.58'	4.00'	0+62.32	0+70.44	S63°45'55.7"W	S52°31'50.4"E
C=18					0+80.60	165078.45 512399.48	16°17'01"	80°41'54"	10.16'	20.18'	0.72'	71.00'	0+70.44	0+90.62	S52°31'50.4"E	S36°14'49.2"E
C=17					0+98.19	165064.16 512409.96	113°05'37"	1145°54'56"	7.57'	9.87'	4.07'	5.00'	0+90.62	1+00.49	S36°14'49.2"E	N30°39'33.8"E
L8	1+00.49	1+65.48	165070.67 512413.81	165126.57 512446.95						64.99'						N30°39'33.8"E
C=20					3+36.50	165273.68 512534.16	176°39'03"	1145°54'56"	171.02'	15.42'	166.09'	5.00'	1+65.48	1+80.89	N30°39'33.8"E	S34°00'31.2"W

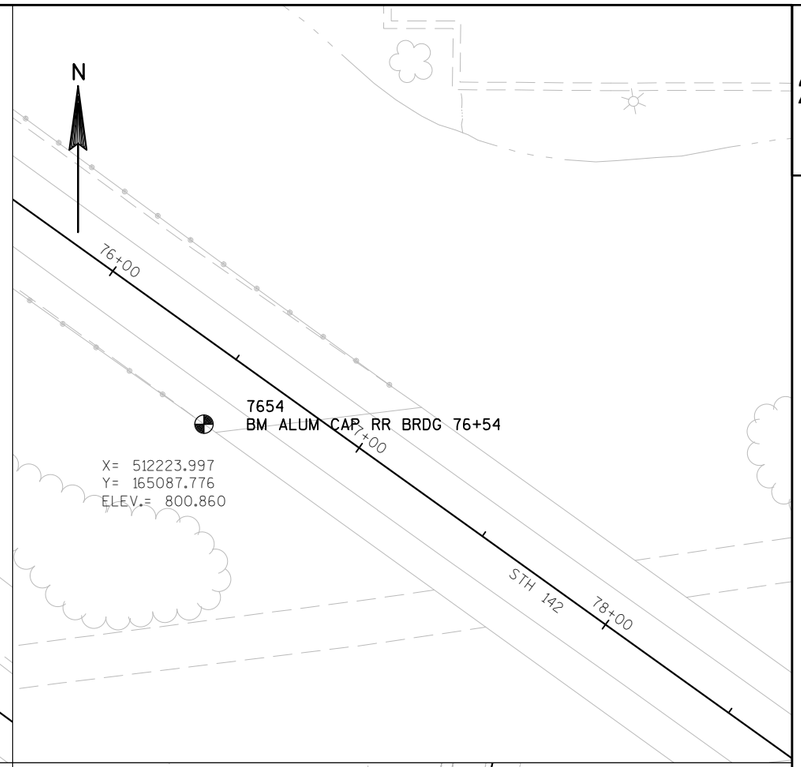
CURB FLANGE - NW QUAD																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L9	0+00.00	1+32.23	165409.17 512471.50	165276.94 512471.63						132.23'						S0°03'10.2"E
C=25					1+81.97	165227.20 512471.67	27°47'57"	28°30'19"	49.74'	97.52'	6.06'	201.00'	1+32.23	2+29.75	S0°03'10.2"E	S27°44'46.4"W
L10	2+29.75	2+64.22	165183.18 512448.51	165152.67 512432.47						34.47'						S27°44'46.4"W
C=21					2+78.03	165140.45 512426.04	15°43'40"	57°17'45"	13.81'	27.45'	0.95'	100.00'	2+64.22	2+91.67	S27°44'46.4"W	S43°28'26.5"W
C=22					3+05.48	165120.40 512407.03	15°43'40"	57°17'45"	13.81'	27.45'	0.95'	100.00'	2+91.67	3+19.12	S43°28'26.5"W	S59°12'06.6"W
C=23					3+52.96	165096.01 512366.10	48°33'42"	76°23'40"	33.83'	63.57'	7.28'	75.00'	3+19.12	3+82.69	S59°12'06.6"W	N72°14'11.2"W
C=24					4+14.07	165115.90 512304.00	5°59'16"	9°32'57"	31.38'	62.70'	0.82'	600.00'	3+82.69	4+45.39	N72°14'11.2"W	N66°14'55.5"W
L11	4+45.39	4+95.49	165128.54 512275.28	165153.17 512231.65						50.10'						N60°33'03.3"W

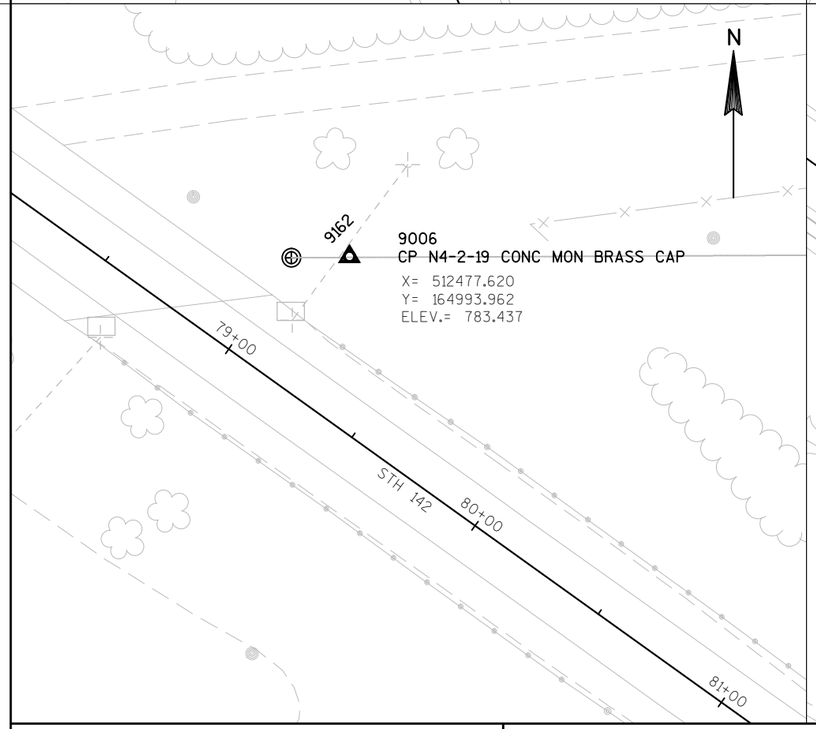
CURB FLANGE - SW QUAD																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
C=37					0+70.38	165189.88 512063.17	6°36'12"	4°41'47"	70.38'	140.60'	2.03'	1220.00'	-0+00.00	1+40.60	S53°54'19.5"E	S60°30'31.1"E
L17	1+40.60	1+98.18	165155.23 512124.43	165126.89 512174.55						57.58'						S60°30'31.1"E
L18	1+98.18	2+48.18	165126.89 512174.55	165105.58 512219.78						50.00'						S64°46'41.7"E
C=39					3+01.08	165083.04 512267.64	55°45'23"	57°17'45"	52.90'	97.31'	13.13'	100.00'	2+48.18	3+45.49	S64°46'41.7"E	S9°01'18.8"E
L20	3+45.49	3+59.30	165030.80 512275.93	165017.16 512278.10						13.81'						S9°01'18.8"E
C=38					4+05.05	164971.98 512285.27	65°35'21"	80°41'54"	45.75'	81.28'	13.46'	71.00'	3+59.30	4+40.58	S9°01'18.8"E	S74°36'40.1"E
C=40					4+91.77	164946.25 512378.73	9°45'10"	9°32'57"	51.19'	102.13'	2.18'	600.00'	4+40.58	5+42.71	S74°36'40.1"E	S64°51'30.2"E
L19	5+42.71	5+82.92	164924.50 512425.07	164903.59 512459.42						40.22'						S58°40'09.4"E

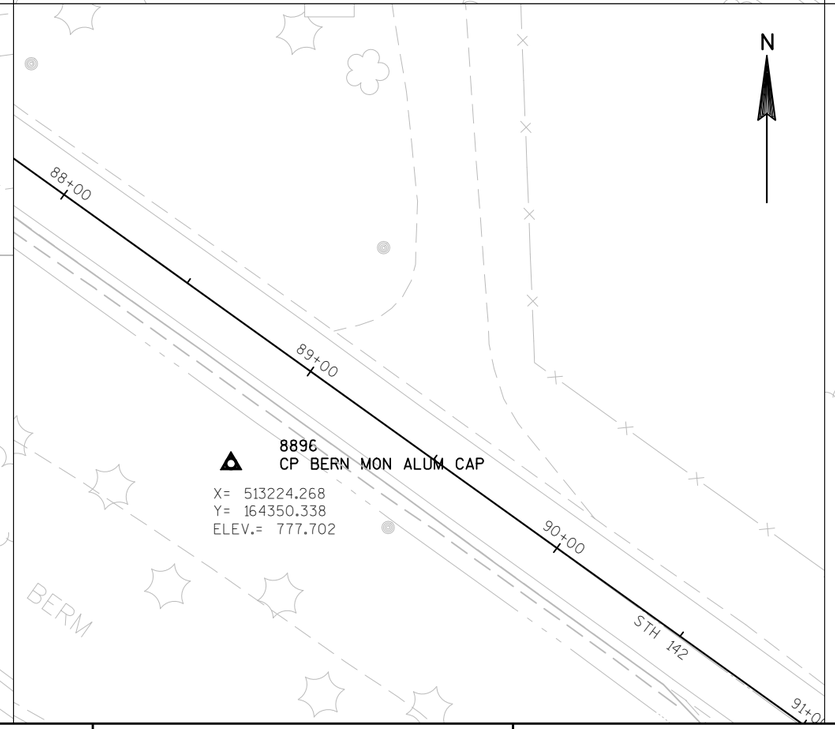
CURB FLANGE - WEST MEDIAN																
NUMBER	BEGIN LINE (STA)	END LINE (STA)	BEGIN LINE (Y,X)	END LINE (Y,X)	PI (STA)	PI (Y,X)	DELTA	DEGREE	TANGENT	LENGTH	EXTERNAL	RADIUS	PC (STA)	PT (STA)	BEARING BACK	BEARING AHEAD
L15	0+00.00	0+90.00	165248.98 512022.85	165195.64 512095.34						90.00'						S53°39'11.2"E
C=34					1+12.62	165183.77 512114.59	2°09'34"	4°46'29"	22.62'	45.23'	0.21'	1200.00'	0+90.00	1+35.23	S58°20'57.1"E	S60°30'31.1"E
L16	1+35.23	2+53.56	165172.64 512134.28	165114.38 512237.28						118.34'						S60°30'31.1"E
C=35					2+87.06	165097.89 512266.44	31°11'39"	47°44'47"	33.50'	65.33'	4.59'	120.00'	2+53.56	3+18.90	S60°30'31.1"E	S29°18'51.9"E
C=30					3+25.34	165063.07 512285.99	116°17'46"	1432°23'40"	6.44'	8.12'	3.58'	4.00'	3+18.90	3+27.02	S29°18'51.9"E	N34°23'22.0"E
C=31					3+37.43	165076.97 512295.51	16°41'11"	80°41'54"	10.41'	20.68'	0.76'	71.00'	3+27.02	3+47.69	N34°23'22.0"E	N51°04'33.2"E
C=32					3+55.34	165088.32 512309.56	113°39'32"	1145°54'56"	7.65'	9.92'	4.14'	5.00'	3+47.69	3+57.61	N51°04'33.2"E	N62°34'58.4"W
C=33					5+17.98	165165.69 512160.42	7°20'26"	2°17'31"	160.37'	320.30'	5.14'	2500.00'	3+57.61	6+77.91	N62°34'58.4"W	N55°14'31.9"W
C=36					10+38.45	165462.66 511732.46	178°24'39"	1145°54'56"	360.54'	15.57'	355.57'	5.00'	6+77.91	6+93.48	N55°14'31.9"W	S53°39'11.2"E

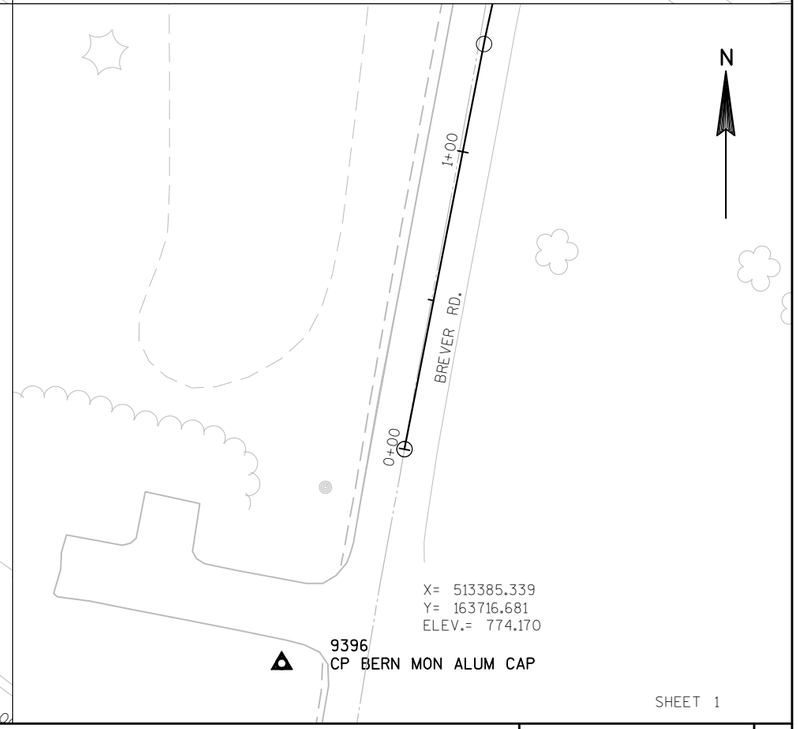




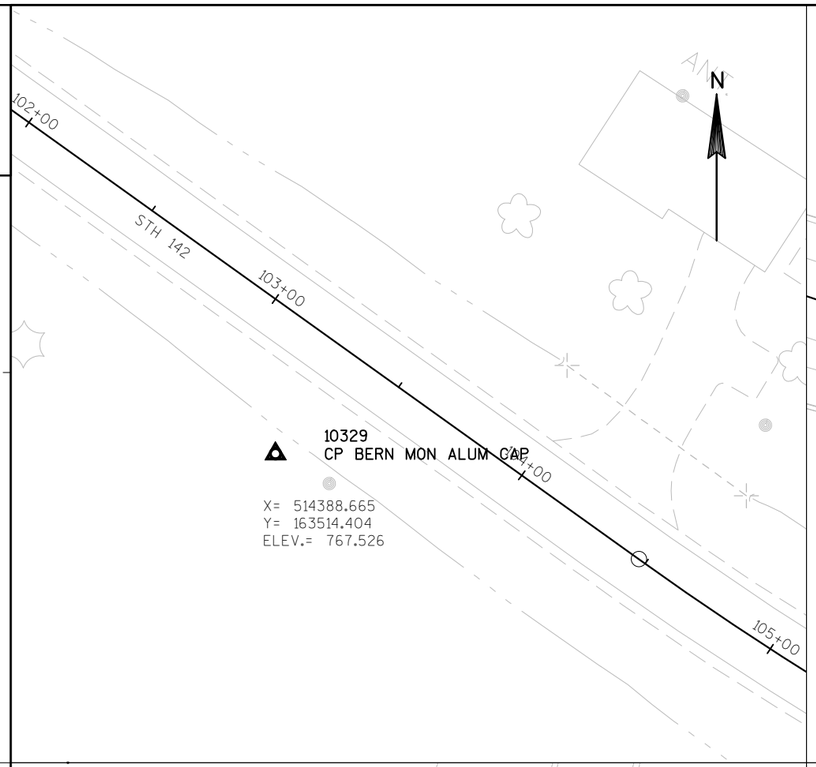


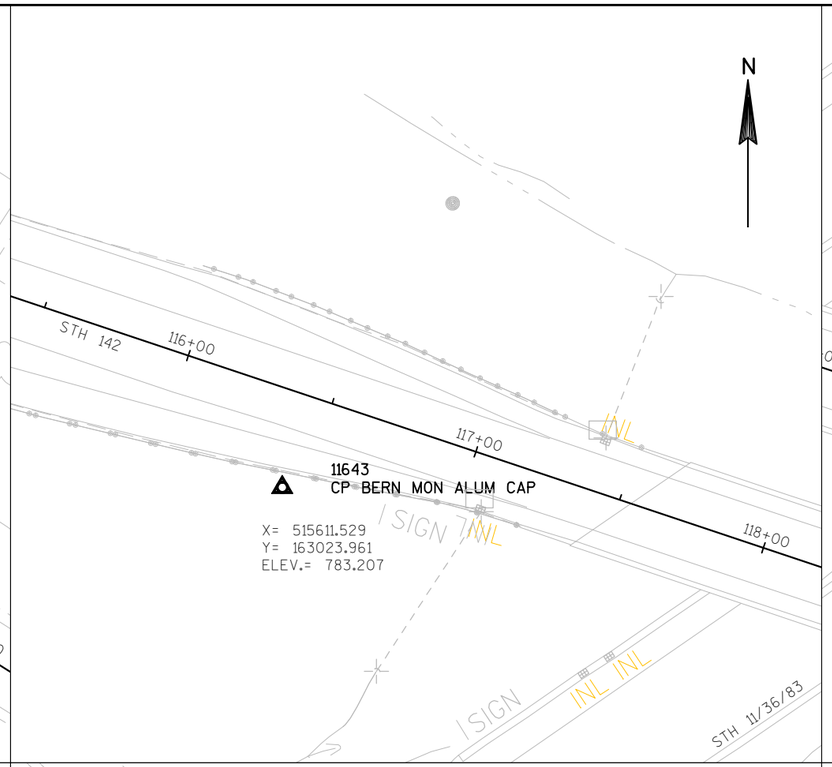


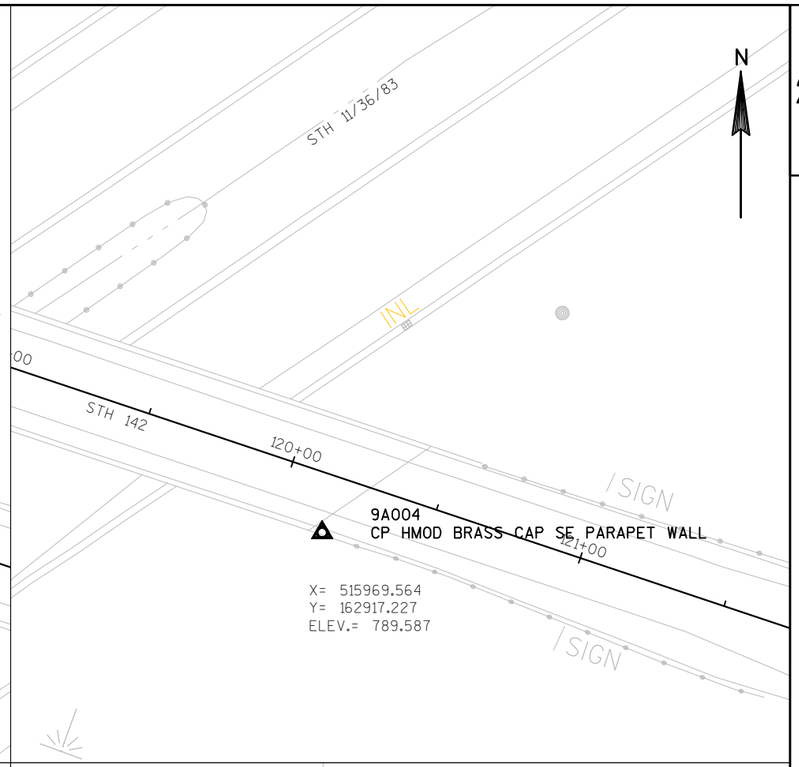


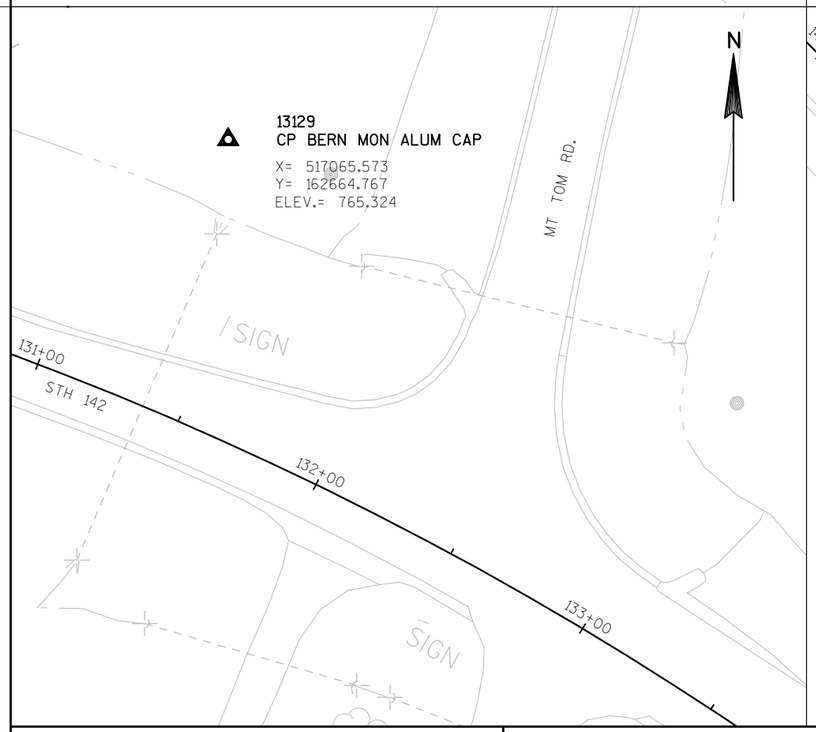


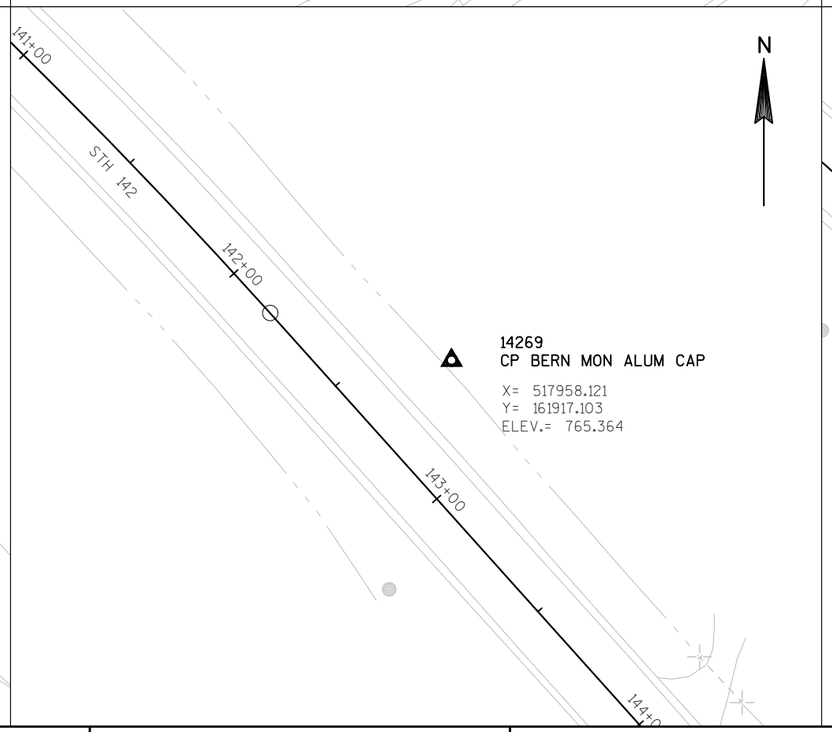
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN: SURVEY CONTROL	SHEET 185	E

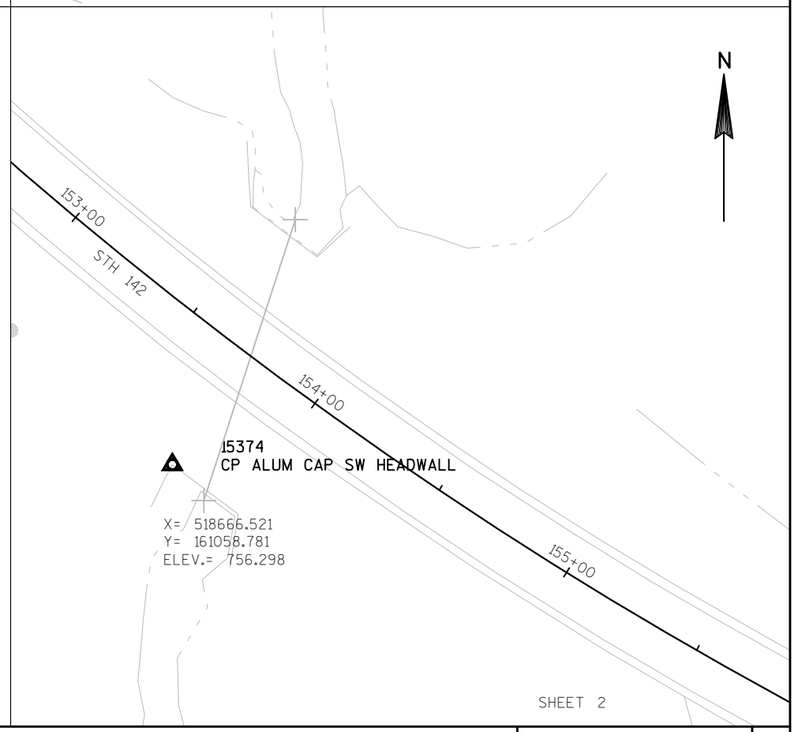






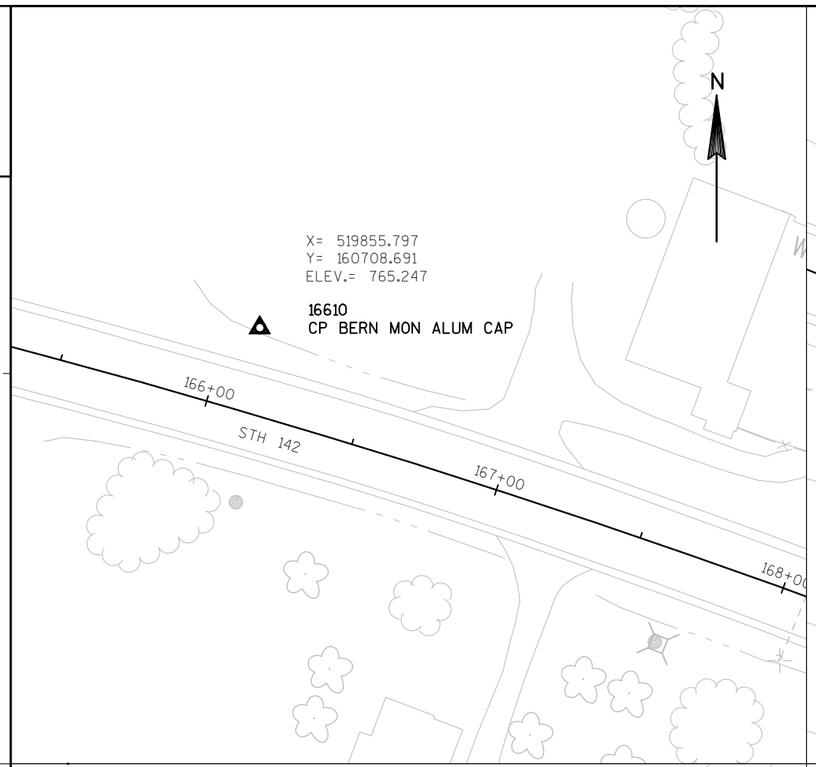


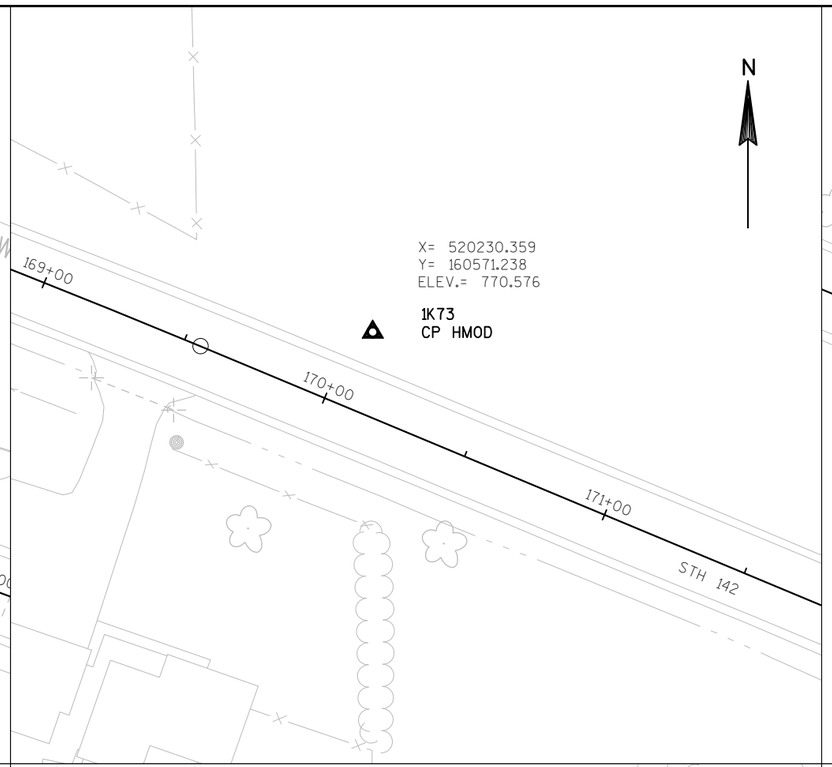


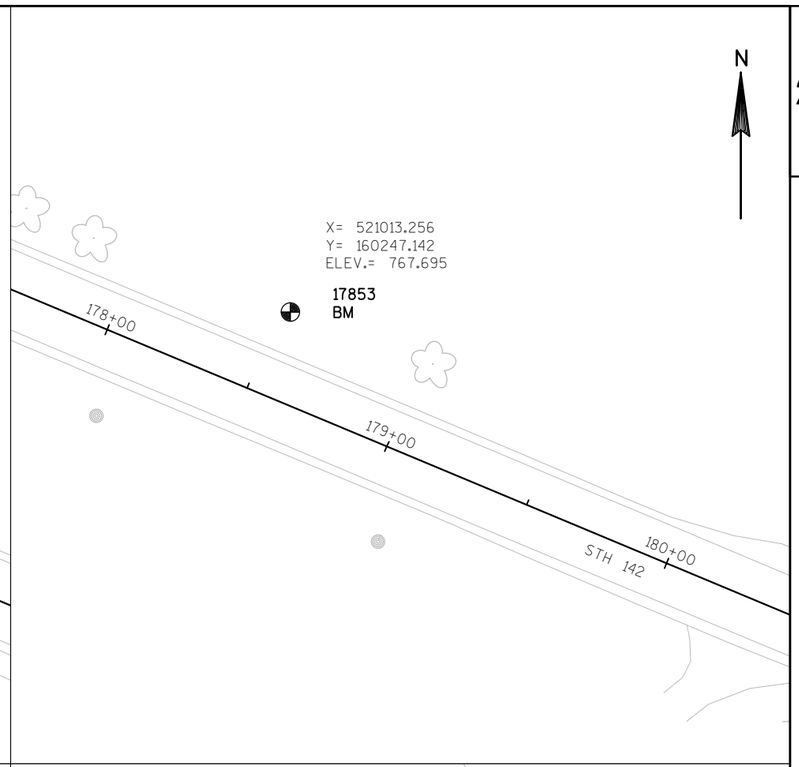


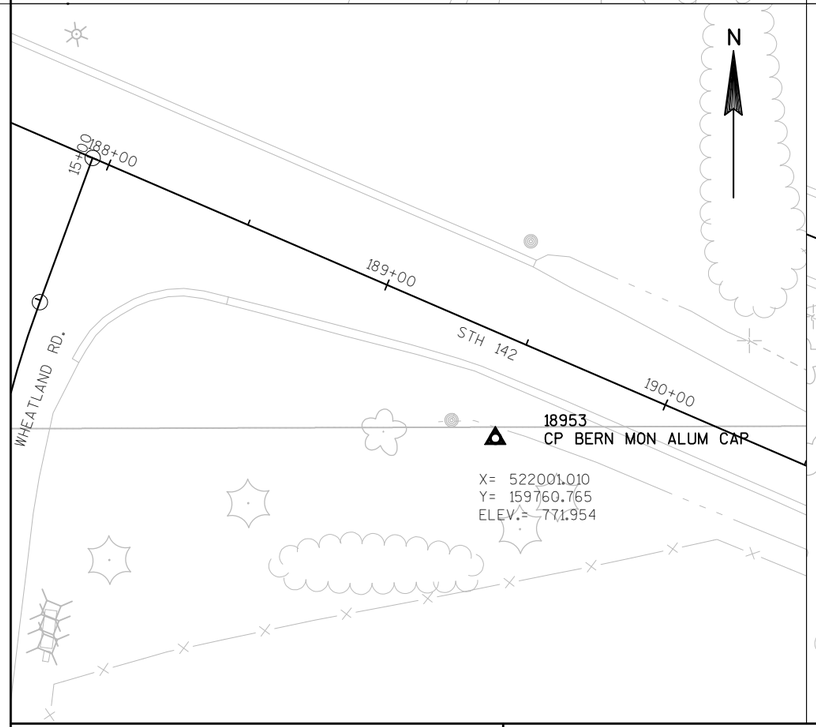
SHEET 2

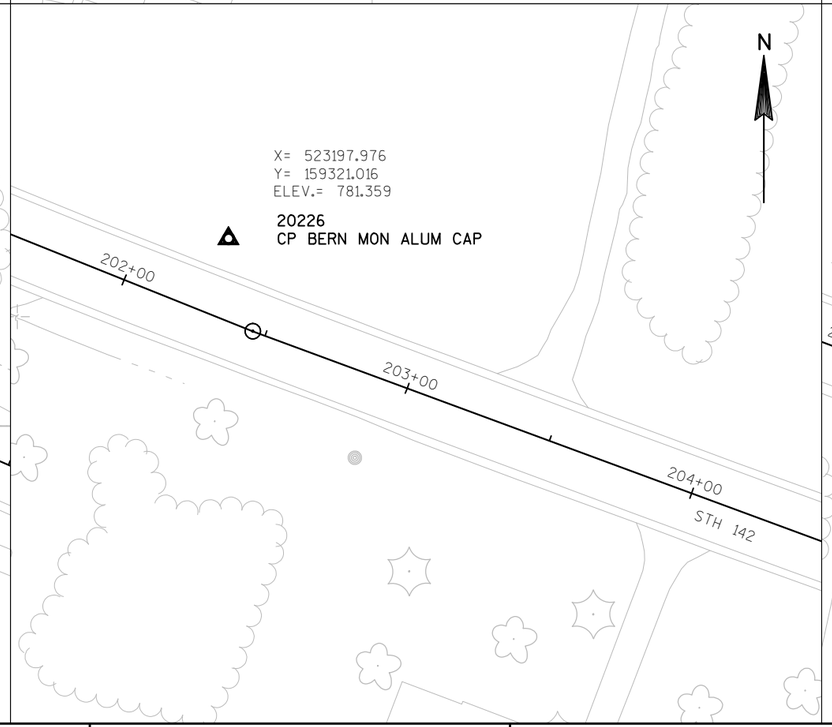
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN: SURVEY CONTROL	SHEET 186	E

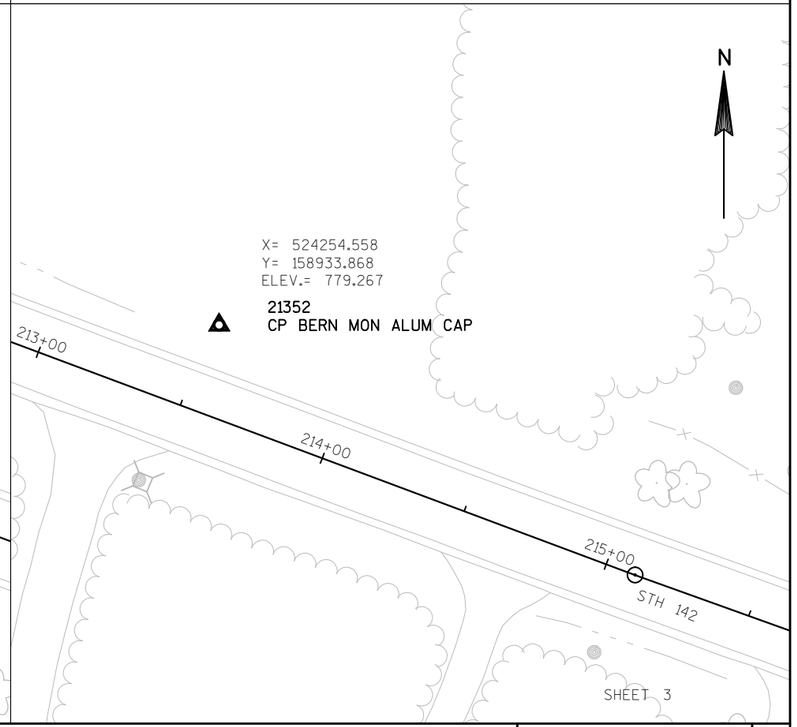






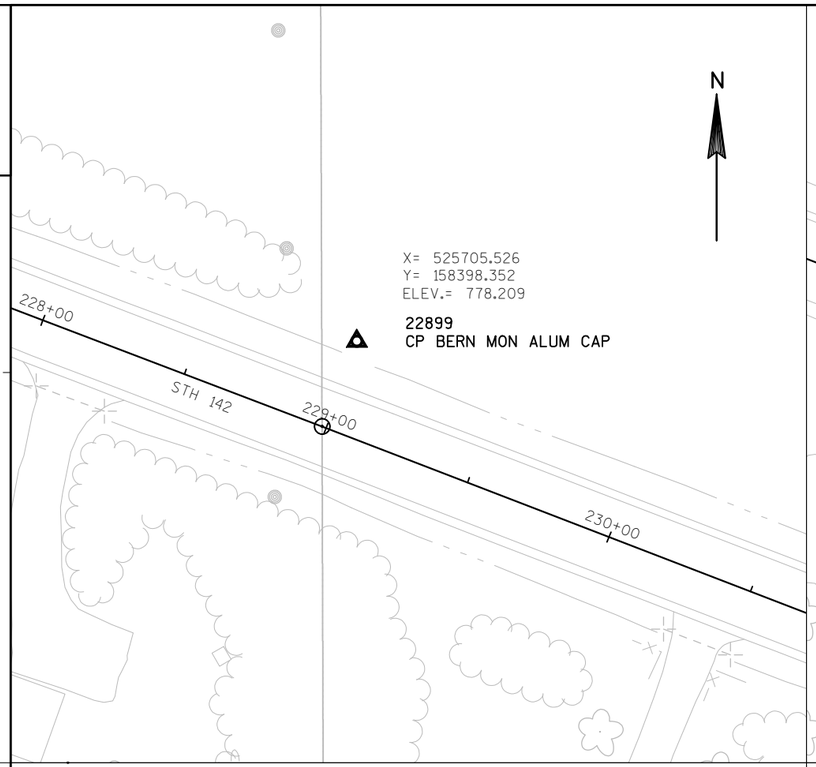


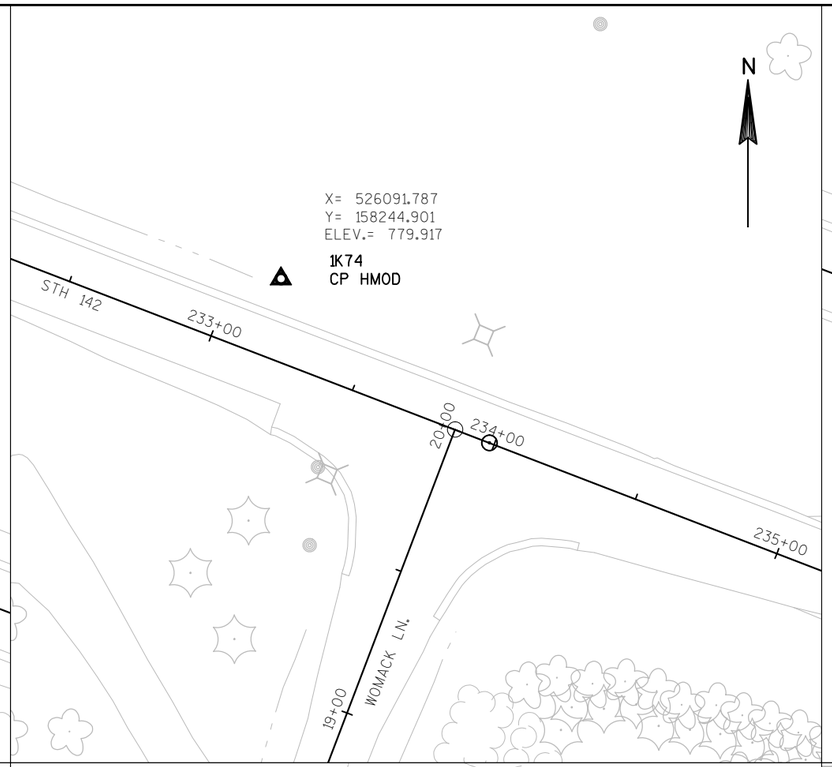


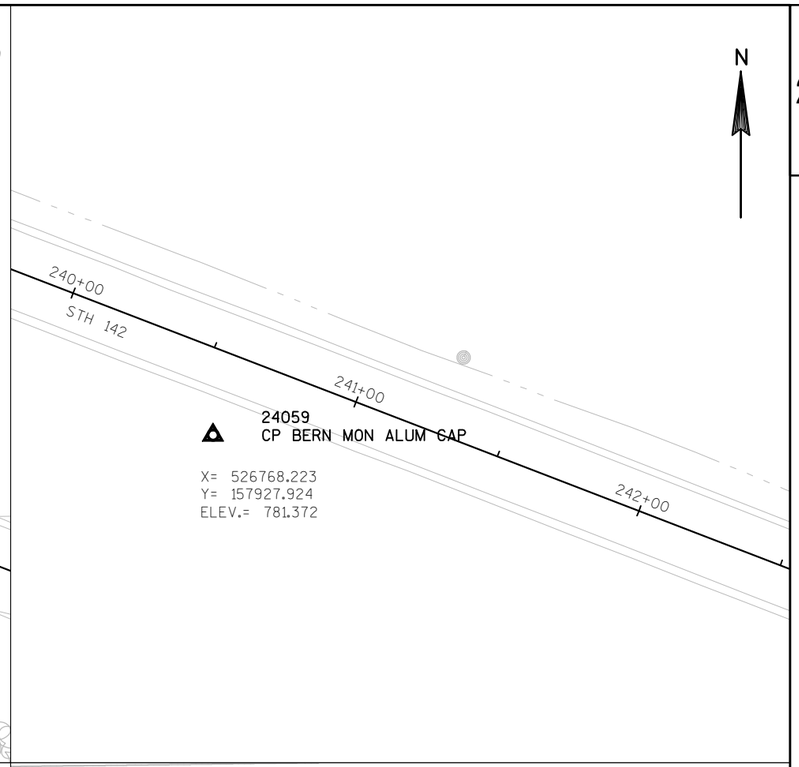


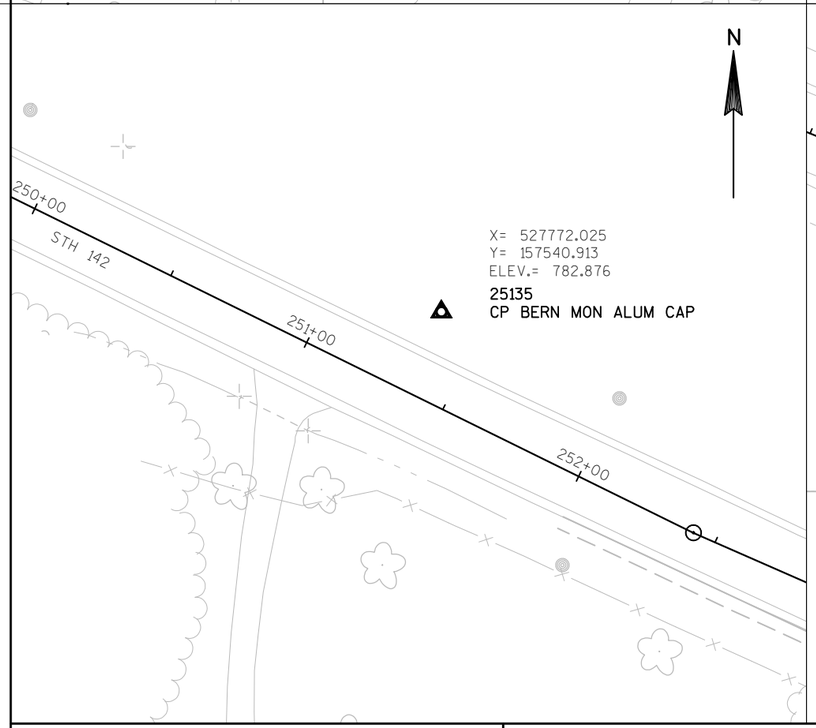
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN: SURVEY CONTROL	SHEET 187 E

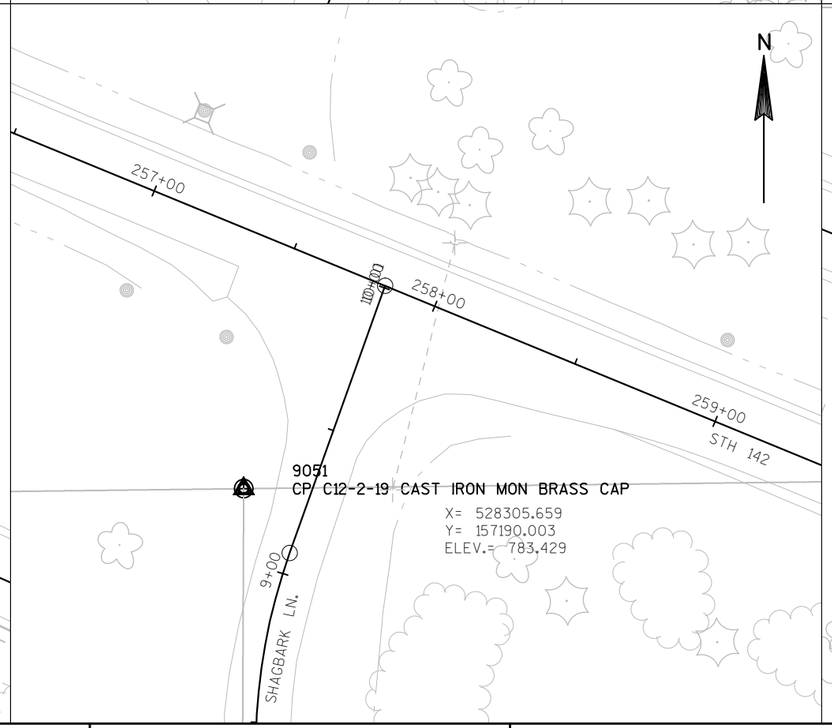
2

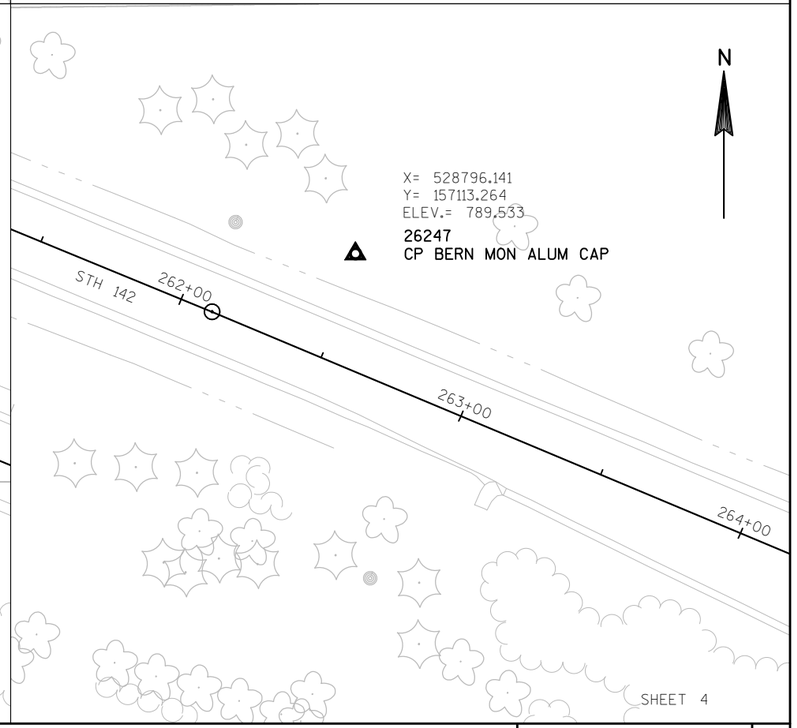






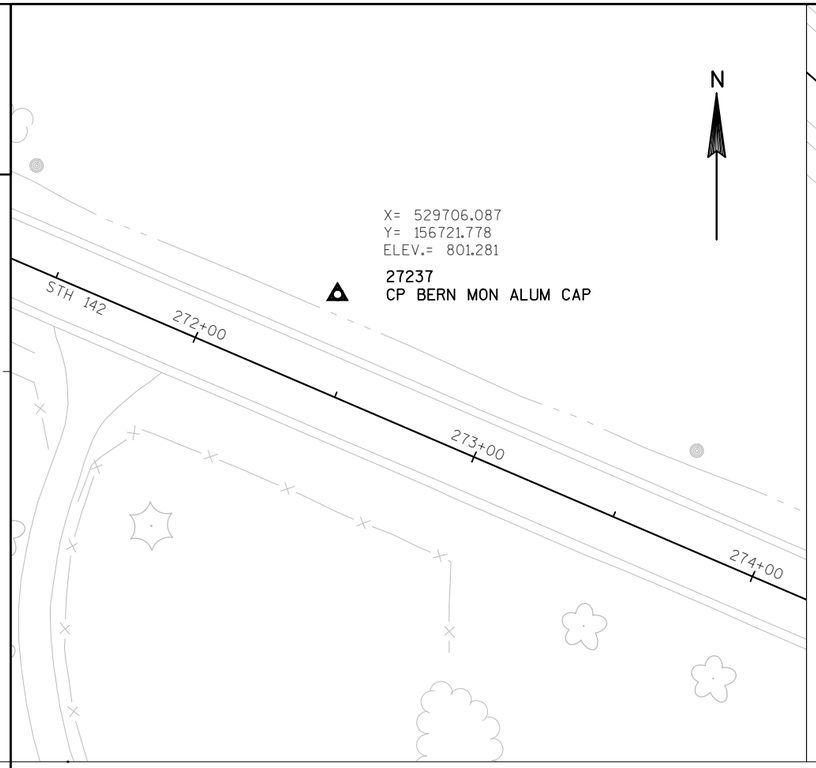


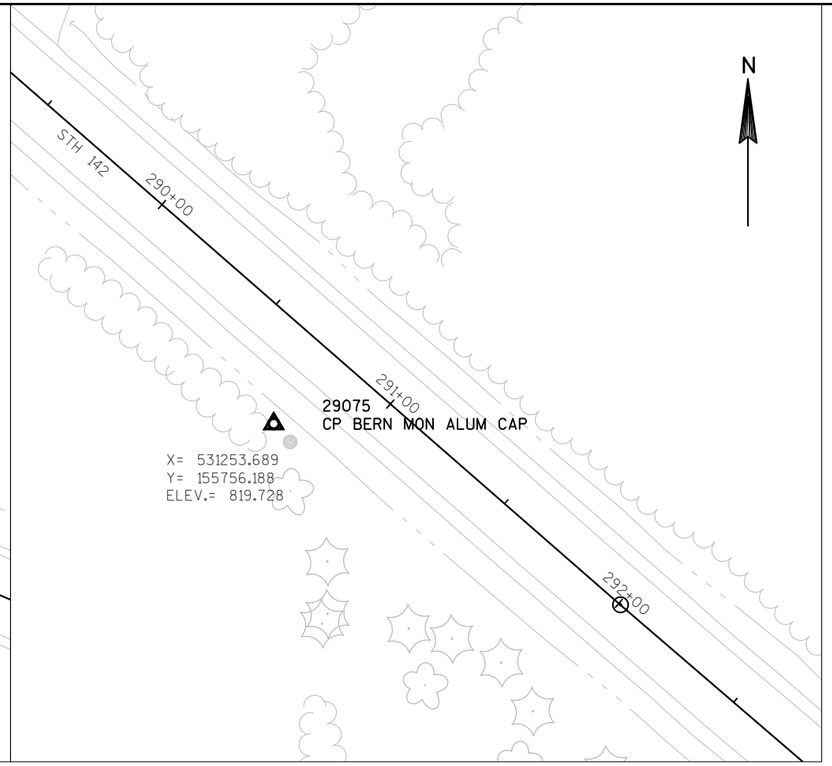




SHEET 4

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN: SURVEY CONTROL	SHEET 188	E



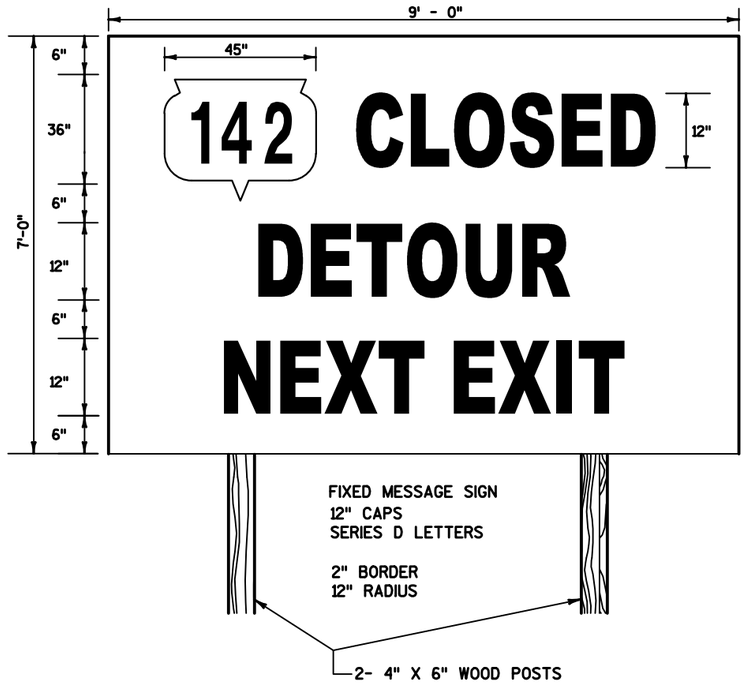


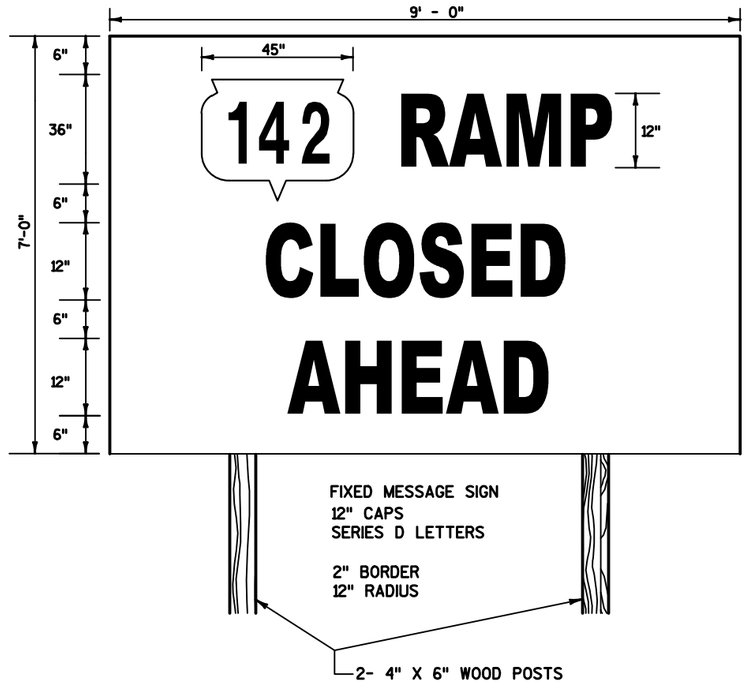
2

SHEET 5

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN: SURVEY CONTROL	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\33700500\027211_AD.DWG PLOT DATE : 4/29/2016 5:04 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : ---------- PLOT SCALE : ********** WISDOT/CADDS SHEET 42





GENERAL NOTES:

1. ALL SIGNS TO HAVE FLUORESCENT REFLECTIVE SHEETING – REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6") (FREEWAY) OR TUBULAR STEEL POSTS OR 4X6 WOOD POSTS (NON–FREEWAY). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.
4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
5. SIGNS SHALL BE BLACK NON–REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.
6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D"
   6" CAPS SHALL BE SERIES "C" – UNLESS OTHERWISE SHOWN
7. ALL SIGNS SHALL HAVE BORDER & RADIUS OF BORDERS AS FOLLOWS:

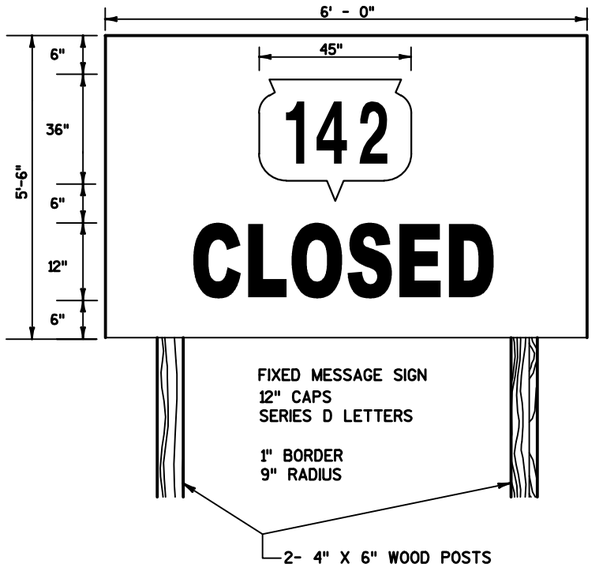
SIGN AREA	WIDTH OF BORDER
GREATER THAN 150 SQ FT	3"
60–150 SQ FT	2"
LESS THAN 60 SQ FT	1"

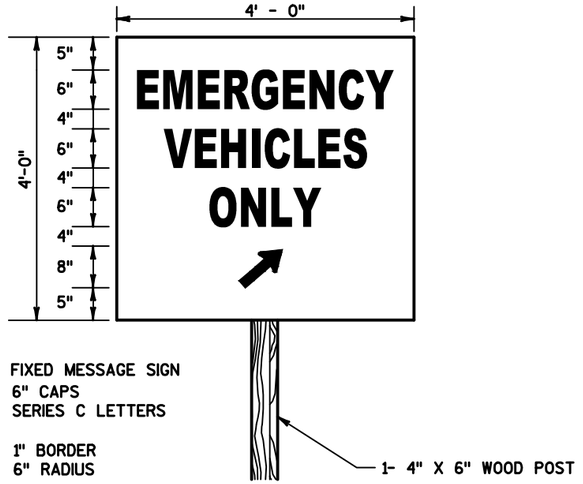
RADIUS SMALLEST OUTSIDE DIMENSION	CORNER RADIUS
> 8 FT	12"
> 6 FT	9"
> 4 FT	6"
LESS THAN 4 FT	3"

8. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THEIR EFFECTIVE DATE. THE MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.
9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.
10. SIGNS TO BE IN PLACE 7 DAYS PRIOR TO CONSTRUCTION.

(X)= SIGN NUMBER

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	FIXED MESSAGE SIGN DETAIL	SHEET 190	E





GENERAL NOTES:

1. ALL SIGNS TO HAVE FLUORESCENT REFLECTIVE SHEETING – REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." LATEST EDITION.
2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.
3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"x6") (FREEWAY) OR TUBULAR STEEL POSTS OR 4X6 WOOD POSTS (NON–FREEWAY). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.
4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."
5. SIGNS SHALL BE BLACK NON–REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.
6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D"
   6" CAPS SHALL BE SERIES "C" – UNLESS OTHERWISE SHOWN
7. ALL SIGNS SHALL HAVE BORDER & RADIUS OF BORDERS AS FOLLOWS:

SIGN AREA	WIDTH OF BORDER
GREATER THAN 150 SQ FT	3"
60–150 SQ FT	2"
LESS THAN 60 SQ FT	1"

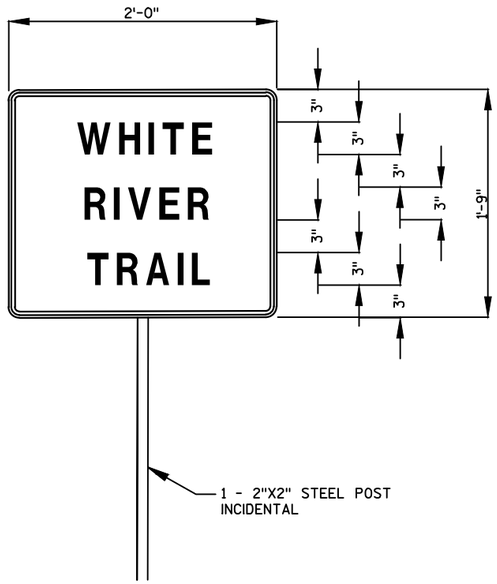
RADIUS SMALLEST OUTSIDE DIMENSION	CORNER RADIUS
> 8 FT	12"
> 6 FT	9"
> 4 FT	6"
LESS THAN 4 FT	3"

8. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THEIR EFFECTIVE DATE. THE MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD.
9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.
10. SIGNS TO BE IN PLACE 7 DAYS PRIOR TO CONSTRUCTION.

(X)= SIGN NUMBER

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	FIXED MESSAGE SIGN DETAIL	SHEET 191	E

2



GENERAL NOTES:

1. ALL SIGNS TO HAVE FLUORESSCENT REFLECTIVE SHEETING - REFERENCE: "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION.

2. AFTER SIGNS HAVE BEEN LOCATED IN THE FIELD, BUT BEFORE INSTALLATION, THE PROJECT ENGINEER SHALL VERIFY EACH SIGN LOCATION.

3. ALL SIGNS TO BE MOUNTED ON WOODEN POST SUPPORTS (4"X6"). THE NUMBER OF POSTS REQUIRED FOR EACH LAYOUT IS SHOWN.

4. SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "FIXED MESSAGE SIGNS."

5. SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE FLUORESCENT REFLECTIVE BACKGROUND PER SPEC 643 & 637.

6. ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS:
   12" CAPS SHALL BE SERIES "D"
   6" CAPS SHALL BE SERIES "C"

7. BEGIN XXX XX SIGNS SHALL BE SEPARATE PANELS, BUT SHALL BE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THEIR EFFECTIVE DATE. THE MONTH AND DAY SHALL BE AS DIRECTED BY THE ENGINEER INT HE FIELD.

8. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.

9. SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 643 & 637.

10. SIGNS TO BE IN PLACE 10 DAYS PRIOR TO CONSTRUCTION.

(X) = SIGN NUMBER

Estimate Of Quantities

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Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	59.000	59.000
0020	201.0205	Grubbing	STA	59.000	59.000
0030	203.0100	Removing Small Pipe Culverts	EACH	23.000	23.000
0040	203.0200	Removing Old Structure (station) 01. 77+80	LS	1.000	1.000
0050	203.0200	Removing Old Structure (station) 02. 83+10	LS	1.000	1.000
0060	204.0110	Removing Asphaltic Surface	SY	1,812.000	1,812.000
0070	204.0115	Removing Asphaltic Surface Butt Joints	SY	1,616.000	1,616.000
0080	204.0125	Removing Asphaltic Surface Milling	TON	11,342.000	11,342.000
0090	204.0150	Removing Curb & Gutter	LF	2,546.000	2,546.000
0100	204.0155	Removing Concrete Sidewalk	SY	39.000	39.000
0110	204.0165	Removing Guardrail	LF	3,250.000	3,250.000
0120	204.0170	Removing Fence	LF	37.000	37.000
0130	204.0180	Removing Delineators and Markers	EACH	2.000	2.000
0140	204.0190	Removing Surface Drains	EACH	3.000	3.000
0150	204.0220	Removing Inlets	EACH	1.000	1.000
0160	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	67.000	67.000
0170	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	92.000	92.000
0180	205.0100	Excavation Common	CY	146,635.180	146,635.180
0190	208.0100	Borrow	CY	4,180.000	4,180.000
0200	211.0400	Prepare Foundation for Asphaltic Shoulders	STA	279.000	279.000
0210	213.0100	Finishing Roadway (project) 01. 3370-05-70	EACH	1.000	1.000
0220	305.0110	Base Aggregate Dense 3/4-Inch	TON	1,425.000	1,425.000
0230	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	29,881.000	29,881.000
0240	390.0201	Base Patching Asphaltic	TON	133.700	133.700
0250	405.0100	Coloring Concrete WisDOT Red	CY	116.000	116.000
0260	416.0512	Concrete Truck Apron 12-Inch	SY	344.000	344.000
0270	416.0610	Drilled Tie Bars	EACH	16.000	16.000
0280	440.4410	Incentive IRI Ride	DOL	12,625.000	12,625.000
0290	455.0605	Tack Coat	GAL	6,565.000	6,565.000
0300	460.2000	Incentive Density HMA Pavement	DOL	26,132.000	26,132.000
0310	460.5223	HMA Pavement 3 LT 58-28 S	TON	12,140.000	12,140.000
0320	460.5224	HMA Pavement 4 LT 58-28 S	TON	13,992.000	13,992.000
0330	465.0105	Asphaltic Surface	TON	1,182.000	1,182.000
0340	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	242.000	242.000
0350	465.0305	Asphaltic Surface Safety Islands	TON	49.000	49.000
0360	465.0310	Asphaltic Curb	LF	281.000	281.000
0370	465.0315	Asphaltic Flumes	SY	195.180	195.180
0380	465.0425	Asphaltic Shoulder Rumble Strips 2-Lane Rural	LF	4,284.000	4,284.000
0390	465.0475	Asphalt Center Line Rumble Strips 2-Lane Rural	LF	2,468.000	2,468.000
0400	520.8000	Concrete Collars for Pipe	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
0410	521.0112	Culvert Pipe Corrugated Steel 12-Inch	LF	70.000	70.000
0420	521.0115	Culvert Pipe Corrugated Steel 15-Inch	LF	47.000	47.000
0430	521.0118	Culvert Pipe Corrugated Steel 18-Inch	LF	344.000	344.000
0440	521.1012	Apron Endwalls for Culvert Pipe Steel 12-Inch	EACH	4.000	4.000
0450	521.1015	Apron Endwalls for Culvert Pipe Steel 15-Inch	EACH	2.000	2.000
0460	521.1018	Apron Endwalls for Culvert Pipe Steel 18-Inch	EACH	18.000	18.000
0470	521.1518	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 18-Inch 6 to 1	EACH	4.000	4.000
0480	522.0124	Culvert Pipe Reinforced Concrete Class III 24-Inch	LF	71.000	71.000
0490	522.0312	Culvert Pipe Reinforced Concrete Class IV 12-Inch	LF	284.000	284.000
0500	522.0315	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	160.000	160.000
0510	522.0318	Culvert Pipe Reinforced Concrete Class IV 18-Inch	LF	482.000	482.000
0520	522.0324	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	162.000	162.000
0530	522.0330	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	68.000	68.000
0540	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	16.000	16.000
0550	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	5.000	5.000
0560	522.1018	Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	EACH	14.000	14.000
0570	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	11.000	11.000
0580	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0590	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	242.000	242.000
0600	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	2,725.000	2,725.000
0610	601.0415	Concrete Curb & Gutter 6-Inch Sloped 30-Inch Type J	LF	217.000	217.000
0620	601.0553	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	LF	1,744.000	1,744.000
0630	601.0557	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF	2,369.000	2,369.000
0640	601.0582	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	LF	320.000	320.000
0650	601.0600	Concrete Curb Pedestrian	LF	122.000	122.000
0660	602.0405	Concrete Sidewalk 4-Inch	SF	988.000	988.000
0670	602.0410	Concrete Sidewalk 5-Inch	SF	5,195.000	5,195.000
0680	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	340.000	340.000
0690	606.0100	Riprap Light	CY	3.000	3.000
0700	606.0200	Riprap Medium	CY	53.030	53.030
0710	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	110.900	110.900
0720	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	341.100	341.100
0730	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	711.600	711.600

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Line	Item	Item Description	Unit	Total	Qty
0740	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	135.400	135.400
0750	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	206.300	206.300
0760	611.0530	Manhole Covers Type J	EACH	2.000	2.000
0770	611.0600	Inlet Covers Type A	EACH	3.000	3.000
0780	611.0612	Inlet Covers Type C	EACH	1.000	1.000
0790	611.0624	Inlet Covers Type H	EACH	11.000	11.000
0800	611.0627	Inlet Covers Type HM	EACH	4.000	4.000
0810	611.0639	Inlet Covers Type H-S	EACH	5.000	5.000
0820	611.0652	Inlet Covers Type T	EACH	4.000	4.000
0830	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0840	611.2005	Manholes 5-FT Diameter	EACH	1.000	1.000
0850	611.2006	Manholes 6-FT Diameter	EACH	1.000	1.000
0860	611.3004	Inlets 4-FT Diameter	EACH	4.000	4.000
0870	611.3220	Inlets 2x2-FT	EACH	3.000	3.000
0880	611.3230	Inlets 2x3-FT	EACH	16.000	16.000
0890	611.9800.S	Pipe Grates	EACH	3.000	3.000
0900	612.0106	Pipe Underdrain 6-Inch	LF	2,700.000	2,700.000
0910	612.0700	Drain Tile Exploration	LF	2,520.000	2,520.000
0920	612.0806	Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	EACH	8.000	8.000
0930	616.0406	Fence Chain Link Salvaged 6-FT	LF	1,517.000	1,517.000
0940	619.1000	Mobilization	EACH	1.000	1.000
0950	620.0300	Concrete Median Sloped Nose	SF	308.700	308.700
0960	623.0200	Dust Control Surface Treatment	SY	30,000.000	30,000.000
0970	624.0100	Water	MGAL	626.060	626.060
0980	625.0100	Topsoil	SY	76,810.000	76,810.000
0990	627.0200	Mulching	SY	33,746.000	33,746.000
1000	628.1104	Erosion Bales	EACH	139.000	139.000
1010	628.1504	Silt Fence	LF	16,732.000	16,732.000
1020	628.1520	Silt Fence Maintenance	LF	7,616.000	7,616.000
1030	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
1040	628.1910	Mobilizations Emergency Erosion Control	EACH	8.000	8.000
1050	628.2004	Erosion Mat Class I Type B	SY	15,062.000	15,062.000
1060	628.2008	Erosion Mat Urban Class I Type B	SY	31,916.000	31,916.000
1070	628.7005	Inlet Protection Type A	EACH	25.000	25.000
1080	628.7015	Inlet Protection Type C	EACH	32.000	32.000
1090	628.7504	Temporary Ditch Checks	LF	1,145.000	1,145.000
1100	628.7555	Culvert Pipe Checks	EACH	78.000	78.000

Line	Item	Item Description	Unit	Total	Qty
1110	628.7570	Rock Bags	EACH	196.000	196.000
1120	629.0210	Fertilizer Type B	CWT	547.700	547.700
1130	630.0130	Seeding Mixture No. 30	LB	1,767.000	1,767.000
1140	630.0200	Seeding Temporary	LB	5,000.000	5,000.000
1150	631.0300	Sod Water	MGAL	25.890	25.890
1160	631.1000	Sod Lawn	SY	1,097.750	1,097.750
1170	633.5200	Markers Culvert End	EACH	45.000	45.000
1180	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	187.000	187.000
1190	634.0622	Posts Wood 4x6-Inch X 22-FT	EACH	12.000	12.000
1200	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	35.000	35.000
1210	637.2210	Signs Type II Reflective H	SF	1,305.823	1,305.823
1220	637.2230	Signs Type II Reflective F	SF	497.500	497.500
1230	638.2102	Moving Signs Type II	EACH	21.000	21.000
1240	638.2602	Removing Signs Type II	EACH	141.000	141.000
1250	638.3000	Removing Small Sign Supports	EACH	165.000	165.000
1260	641.8100	Overhead Sign Support (structure) 01. S-51-238	LS	1.000	1.000
1270	643.0100	Traffic Control (project) 01. 3370-05-70	EACH	1.000	1.000
1280	643.0300	Traffic Control Drums	DAY	23,620.000	23,620.000
1290	643.0420	Traffic Control Barricades Type III	DAY	5,715.000	5,715.000
1300	643.0705	Traffic Control Warning Lights Type A	DAY	6,682.000	6,682.000
1310	643.0900	Traffic Control Signs	DAY	5,113.000	5,113.000
1320	643.0920	Traffic Control Covering Signs Type II	EACH	122.000	122.000
1330	643.1000	Traffic Control Signs Fixed Message	SF	666.200	666.200
1340	643.1050	Traffic Control Signs PCMS	DAY	42.000	42.000
1350	643.2000	Traffic Control Detour (project) 01. 3370-05-70	EACH	1.000	1.000
1360	643.3000	Traffic Control Detour Signs	DAY	31,242.000	31,242.000
1370	644.1616.S	Temporary Pedestrian Safety Fence	LF	400.000	400.000
1380	645.0120	Geotextile Type HR	SY	106.080	106.080
1390	645.0130	Geotextile Type R	SY	8.000	8.000
1400	646.0106	Pavement Marking Epoxy 4-Inch	LF	55,769.000	55,769.000
1410	646.0126	Pavement Marking Epoxy 8-Inch	LF	116.000	116.000
1420	646.0156	Pavement Marking Epoxy 18-Inch	LF	53.000	53.000
1430	646.0842.S	Pavement Marking Grooved Contrast Wet Reflective Epoxy 4-Inch	LF	49,887.000	49,887.000
1440	646.0844.S	Pavement Marking Grooved Contrast Wet Reflective Epoxy 8-Inch	LF	2,839.000	2,839.000
1450	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	14.000	14.000
1460	647.0356	Pavement Marking Words Epoxy	EACH	10.000	10.000
1470	647.0456	Pavement Marking Curb Epoxy	LF	32.000	32.000
1480	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	326.000	326.000

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Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**
1490	647.0606	Pavement Marking Island Nose Epoxy	EACH	3.000	3.000
1500	647.0726	Pavement Marking Diagonal Epoxy 12-Inch	LF	515.000	515.000
1510	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	305.000	305.000
1520	648.0100	Locating No-Passing Zones	MI	4.250	4.250
1530	650.4000	Construction Staking Storm Sewer	EACH	44.000	44.000
1540	650.4500	Construction Staking Subgrade	LF	16,406.000	16,406.000
1550	650.5000	Construction Staking Base	LF	16,406.000	16,406.000
1560	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	7,586.000	7,586.000
1570	650.6000	Construction Staking Pipe Culverts	EACH	17.000	17.000
1580	650.8000	Construction Staking Resurfacing Reference	LF	12,128.000	12,128.000
1590	650.8500	Construction Staking Electrical Installations (project) 01. 3370-05-70	LS	1.000	1.000
1600	650.9910	Construction Staking Supplemental Control (project) 01. 3370-05-70	LS	1.000	1.000
1610	650.9920	Construction Staking Slope Stakes	LF	16,406.000	16,406.000
1620	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	1,348.000	1,348.000
1630	653.0140	Pull Boxes Steel 24x42-Inch	EACH	4.000	4.000
1640	654.0105	Concrete Bases Type 5	EACH	12.000	12.000
1650	655.0610	Electrical Wire Lighting 12 AWG	LF	1,638.000	1,638.000
1660	655.0620	Electrical Wire Lighting 8 AWG	LF	4,398.000	4,398.000
1670	656.0400	Electrical Service Main Lugs Only Meter Pedestal (location) 01. Cabinet CB	LS	1.000	1.000
1680	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	12.000	12.000
1690	657.0322	Poles Type 5-Aluminum	EACH	12.000	12.000
1700	657.0715	Luminaire Arms Truss Type 4 1/2-Inch Clamp 15-FT	EACH	12.000	12.000
1710	659.1120	Luminaires Utility LED B	EACH	5.000	5.000
1720	659.1125	Luminaires Utility LED C	EACH	7.000	7.000
1730	690.0150	Sawing Asphalt	LF	11,010.000	11,010.000
1740	690.0250	Sawing Concrete	LF	47.000	47.000
1750	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,200.000	1,200.000
1760	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	1,500.000	1,500.000
1770	SPV.0060	Special 01. Grading Sloped Endwall Areas	EACH	13.000	13.000
1780	SPV.0060	Special 02. Inlet 4-ft Diameter Special	EACH	4.000	4.000
1790	SPV.0060	Special 03. Lighting Control Cabinet	EACH	1.000	1.000
1800	SPV.0060	Special 04. Section Corner Monuments	EACH	9.000	9.000
1810	SPV.0060	Special 05. Removing Solar Flashing Beacon and Pole, Eastbound STH 142 at CTH J	EACH	1.000	1.000
1820	SPV.0060	Special 06. Removing Solar Flashing Beacon and Pole, Westbound STH 142 at CTH J	EACH	1.000	1.000
1830	SPV.0060	Special 07. Traffic Flashing Beacon System, Solar, Eastbound STH 142 at CTH J	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
1840	SPV.0060	Special 08. Traffic Flashing Beacon System, Solar, Westbound STH 142 at CTH J	EACH	1.000	1.000
1850	SPV.0085	Special 01. Seeding No Mow Fescue	LB	77.000	77.000
1860	SPV.0090	Special 01. Heavy Duty Silt Fence	LF	1,601.000	1,601.000
1870	SPV.0090	Special 02. Heavy Duty Silt Fence Maintenance	LF	1,601.000	1,601.000
1880	SPV.0090	Special 03. Ditching and Shaping	LF	1,270.000	1,270.000
1890	SPV.0105	Special 01. Removing Overhead Sign Support 285+50	LS	1.000	1.000
1900	SPV.0105	Special 02. Removing Traffic Signals STH 142 & CTH J	LS	1.000	1.000
1910	SPV.0105	Special 03. Rectangular Rapid Flashing Beacon (RRFB) System Station 79+00, Westbound Right	LS	1.000	1.000
1920	SPV.0105	Special 04. Rectangular Rapid Flashing Beacon (RRFB) System Station 78+78, Eastbound Right	LS	1.000	1.000

LOCATION	REMOVING ASPHALTIC SURFACE 204.0110 SY	BUTT JOINTS 204.0115 SY	MILLING 204.0125 TON
STH 142			
STA 39+00 - 62+91	--	188	1,445
STA 87+00 - 101+50	--	167	797
STA 143+50 - 291+50	--	300	8,560
SIDE ROADS			
BREVER ROAD	--	122	--
WHEATLAND ROAD	--	166	--
WOMACK LANE	--	112	--
SHAGBARK LANE	--	122	--
HORSESHOE TRAIL	--	124	--
CTH J	--	238	--
DWY			
STA 41+00 RT	27	--	--
STA 41+92 LT	39	--	--
STA 44+25 - 45+50 LT	440	--	--
STA 61+69 LT	128	--	--
STA 61+69 RT	100	--	--
STA 93+05 LT	217	--	--
STA 95+61 RT	44	--	--
STA 156+88 RT	27	--	--
STA 157+58 RT	58	--	--
STA 169+43 RT	53	--	--
STA 181+00 LT (DWY REMOVAL)	67	--	--
STA 194+24 LT	31	--	--
STA 204+95 RT (DWY REMOVAL)	42	--	--
STA 207+50 RT	25	--	--
STA 209+45 LT	28	--	--
STA 226+08 LT	62	--	--
STA 226+75 RT	28	--	--
STA 228+16 RT	27	--	--
STA 230+39 RT	50	--	--
STA 236+37 RT	50	--	--
STA 238+70 RT	67	--	--
STA 251+02 RT	27	--	--
STA 266+31 RT	38	--	--
STA 18+55 LT, WOMACK LANE	51	--	--
UNDISTRIBUTED	86	77	540
TOTAL	**1,812**	**1,616**	**11,342**

LOCATION	REMOVING CURB & GUTTER 204.0150 LF	SURFACE DRAINS 204.0190 EACH	CONCRETE SIDEWALK 204.0155 SY
STH 142			
STA 38+89 - 39+04 LT	15	--	--
STA 182+25 LT (DWY REMOVAL)	35	--	--
STA 183+75 - 189+42, LT	567	--	--
STA 263+23 - 269+67, RT	622	--	--
WHEATLAND RD			
SW QUADRANT	94	--	--
SE QUADRANT	61	--	--
WOMACK LN			
SW QUADRANT	63	--	--
SE QUADRANT	59	--	--
HORSESHOE TR			
NW QUADRANT	54.5	1	--
NE QUADRANT	95	1	--
CTH J			
NW QUADRANT	120	--	--
NE QUADRANT	104	1	--
SW QUADRANT	126	--	--
SE QUADRANT	158	--	--
MCCANNA PARKWAY			
STA 11+00 - 12+00 LT	80	--	--
STA 12+80 - 13+30 LT	50	--	--
STA 12+80 - 13+30 RT	49	--	--
STA 15+35 - 15+65 RT	37	--	--
STA 18+69 - 18+87 RT	35	--	--
STA 18+80	--	--	37
UNDISTRIBUTED	121	--	2
TOTAL	**2,546**	**3**	**39**

LOCATION	CLEARING 201.0105 STA	GRUBBING 201.0205 STA
STH 142		
STA 39+00 - 44+00 LT	5	5
STA 45+63 - 63+00 LT	5	5
STA 46+00 - 50+00 LT	4	4
STA 55+80 - 57+20 LT	2	2
STA 67+00 - 71+00 LT	4	4
STA 74+00 - 77+00 LT/RT	3	3
STA 78+00 - 81+00 LT/RT	3	3
STA 81+00 - 82+00 RT	1	1
STA 82+00 - 84+00 LT	2	2
STA 93+20 - 94+30 RT	2	2
STA 186+00 - 187+50 LT	2	2
STA 190+00 - 191+25 LT	2	2
STA 230+50 - 231+50 RT	1	1
STA 253+75 - 254+25 RT	1	1
STA 257+50 - 259+00 LT	2	2
STA 263+25 - 264+50 RT	2	2
STA 266+50 - 268+50 LT	2	2
STA 268+00 - 268+75 RT	1	1
STA 280+00 - 280+25 LT	1	1
STA 282+25 - 283+00 RT	1	1
STA 282+50 - 284+00 LT	2	2
STA 288+00 - 291+50 LT	4	4
CTH J		
STA 11+00 - 12+00 RT	1	1
MCCANNA PARKWAY		
STA 11+00 - 14+00 LT/RT	3	3
WHITE RIVER STATE TRAIL		
STA 202+00 - 205+00 LT	3	3
TOTAL	**59**	**59**

LOCATION	REMOVING STORM SEWER 204.0245.01 12-INCH LF	REMOVING STORM SEWER 204.0245.02 15-INCH LF
STH 142		
STA 79+11 LT	64	---
MCCANNA PARKWAY		
STA 10+97 - 12+20	---	88
UNDISTRIBUTED	3	4
TOTALS	**67**	**92**

LOCATION	REMOVING GAURDRAIL 204.0165 LF
STH 142	
STA 66+00 - 77+00	2,150
STA 78+50 - 83+50	945
UNDISTRIBUTED	155
TOTAL	**3,250**

LOCATION	REMOVING DELINEATORS AND MARKERS 204.0180 EACH
STH 142	
STA 64+25	2
TOTAL	**2**

LOCATION	REMOVING INLETS 204.0220 EACH
STH 142	
STA 79+10 LT	1
TOTAL	1

LOCATION	DESCRIPTION	REMOVING OLD STRUCTURE (77+80) 203.0200 LS
STH 142		
STA 77+80	190.6' X 46.7' BRIDGE	1
TOTAL		**1**

LOCATION	DESCRIPTION	REMOVING OLD STRUCTURE (83+10) 203.0200 LS
STH 142		
STA 83+10	3.5' X 5' X 42' CATTLE PASS	1
TOTAL		**1**

LOCATION	PREPARE FOUNDATION FOR ASPHALTIC SHOULDERS 211.0400 STA	BASE AGGREGATE DENSE 3/4 - INCH 305.0110 TON	BASE AGGREGATE DENSE 1 1/4 - INCH 305.0120** TON	WATER 624.0100 MGAL
STH 142				
38+89 - 62+91 RT & LT	48	3	--	0.03
62+91 - 87+00 RT & LT	--	600	10,110	340.00
STA 87+00 - 88+50 RT & LT	3	--	--	--
STA 88+70 - 97+50 LT	--	--	873	8.73
STA 88+50 - 94+99 RT	--	--	743	7.43
STA 95+00 - 101+50 RT	6.5	--	--	--
STA 97+50 - 101+50 LT	4	--	--	--
STA 143+50 - 180+00 LT	36.5	--	--	--
STA 143+50 - 183+00 RT	39.5	--	--	--
STA 191+00 - 230+00 RT & LT	78	--	--	--
STA 237+00 - 254+00 RT & LT	34	--	--	--
STA 261+50 - 262+50 RT & LT	2	--	--	--
STA 270+50 - 277+50 RT & LT	14	--	--	--
STA 182+95 - 190+75 RT	--	13	770	7.83
STA 183+75 - 191+13 LT	--	2	743	7.46
STA 229+76 - 237+25 RT	--	18	780	7.98
STA 230+00 - 237+25 LT	--	21	915	9.37
STA 253+72 - 261+61 RT	--	19	888	9.07
STA 254+15 - 261+61 LT	--	22	846	8.67
STA 262+63 - 270+75 RT	--	6	780	7.85
STA 264+25 - 270+55 LT	--	15	776	7.91
STA 277+50 - 291+50 RT	--	35	801	8.36
STA 277+50 - 291+50 LT	--	35	795	8.30
SIDEWALK				
STA 9+80 - 10+06	--	96	--	0.96
SHARED-USE PATHS				
STA 0+00 - 5+10	--	--	300	3.00
STA 10+06 - 33+74	--	--	1,220	12.20
STA 17+10P - 32+73P	--	--	965	80.00
QUARRY DWY				
STA 0+58 - 3+39	--	61	1,001	10.62
WHITE RIVER STATE TRAIL				
STA 202+10 - 209+76	--	45	380	25.00
SIDE ROADS				
BREVER ROAD	--	46	1,146	11.92
WHEATLAND ROAD	--	6	245	2.51
WOMACK LANE	--	10	401	4.12
SHAGBARK LANE	--	19	381	4.01
HORSESHOE TRAIL	--	19	382	4.01
MCCANNA PARKWAY	--	140	955	15.00
CTH J				
N RADIUS PT - STA 12+50	--	28	582	6.10
STA 7+69 - S RADIUS PT	--	45	598	6.42
DWY				
STA 190+29 LT	--	11	--	0.11
STA 191+71 LT	--	5	--	0.05
STA 235+34 LT	--	10	--	0.10
STA 237+50 LT	--	6	--	0.06
STA 282+25 LT	--	10	--	0.10
STA 283+97 LT	--	5	--	0.05
STA 289+26 LT	--	5	--	0.05
UNDISTRIBUTED	13.5	68	1419	0.68
TOTAL	**279.0**	**1,425**	**29,795**	**626.06**

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

CULVERT REPLACEMENT LOCATION	BASE AGGREGATE DENSE 1 1/4-INCH 305.0120** TON	BASE PATCHING ASPHALTIC 390.0201 TON
STH 142		
STA 53+74	9	14.5
STA 168+08	9	14.5
STA 176+97	9	14.5
STA 191+06	9	11.5
STA 211+54	9	14.5
STA 242+75	9	14.5
STA 250+19	9	14.5
STA 258+07	9	11.5
STA 287+81	9	11.5
UNDISTRIBUTED	5	12.2
TOTAL	**86**	**133.7**

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	DUST CONTROL SURFACE TREATMENT 623.0200 SY
PROJECT LIMITS	
UNDISTRIBUTED	30,000
TOTAL	**30,000**

TO BE PLACED AS DIRECTED BY THE ENGINEER IN THE FIELD

LOCATION	SECTION CORNER MONUMENTS SPV.0060.04 EACH
STH 142	
UNDISTRIBUTED	9
TOTALS	**9**

ASPHALT ITEMS

LOCATION	TACK COAT 455.0605 GALLON	HMA PAVEMENT 3 LT 58-28 S 460.5223 TON	HMA PAVEMENT 4 LT 58-28 S 460.5224 TON	ASPHALTIC SURFACE 465.0105 TON	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 465.0120 TON	ASPHALTIC SURFACE SAFTEY ISLANDS 465.0305 TON	ASPHALTIC RUMBLE STRIP 2-LANE RURAL SHOULDER 465.0425 LF	ASPHALTIC RUMBLE STRIP 2-LANE RURAL CENTER LINE 465.0475 LF
STH 142								
STA 39+00 - 62+91	545	953	1,225	--	--	--	--	--
STA 62+91 - 87+00	750	1,935	1,128	166	--	--	--	--
STA 87+00 - 101+50	283	495	637	--	--	--	--	--
STA 88+70 - 97+50 LT	67	140	180	--	--	--	--	--
STA 88+50 - 94+99 RT	61	127	163	--	--	--	--	--
STA 143+50 - 291+50	3,122	5,464	7,025	--	--	--	4,080	2,350
STA 183+15 - 189+50 RT	64	132	170	--	--	--	--	--
STA 183+75 - 190+75 LT	63	110	142	--	--	--	--	--
STA 228+85 - 235+40 RT	65	135	174	--	--	--	--	--
STA 229+60 - 237+50 LT	68	141	182	--	--	--	--	--
STA 253+00 - 259+50 RT	64	132	170	--	--	--	--	--
STA 253+50 - 261+50 LT	70	146	188	--	--	--	--	--
STA 262+63 - 270+75 RT	68	142	182	--	--	--	--	--
STA 264+75 - 271+20 LT	64	132	170	--	--	--	--	--
STA 277+50 - 291+50 RT	73	151	194	--	--	--	--	--
STA 277+50 - 291+50 LT	66	137	176	--	--	--	--	--
SHARED-USE PATHS								
STA 0+00 - 5+10	34	--	--	101	--	--	--	--
STA 10+06P - 17+10P	157	--	--	472	--	--	--	--
STA 17+10 - 32+73	--	--	--	278	--	--	--	--
QUARRY DWY								
STA 0+58 - 3+39	90	188	241	--	--	--	--	--
WHITE STATE RIVER TRAIL								
STA 202+10 - 209+76	--	--	--	109	--	--	--	--
SIDE ROADS								
BREVER RD	94	195	250	--	--	--	--	--
WHEATLAND ROAD	23	49	62	--	--	--	--	--
WOMACK LANE	34	72	92	--	--	--	--	--
SHAGBARK LANE	33	68	87	--	--	--	--	--
HORSESHOE TRAIL	32	67	87	--	--	--	--	--
MCCANNA PARKWAY	100	255	149	--	--	--	--	--
CTH J								
N RADIUS PT - STA 11+93	46	96	123	--	--	23	--	--
STA 7+86 - S RADIUS PT	48	100	129	--	--	24	--	--
DWY								
STA 41+99 LT	2	--	--	--	6	--	--	--
STA 44+25 - 45+50 LT	24	--	--	--	73	--	--	--
STA 61+69 LT	7	--	--	--	21	--	--	--
STA 61+69 RT	5	--	--	--	15	--	--	--
STA 85+07 RT	3	--	--	--	21	--	--	--
STA 86+16 RT	1	--	--	--	9	--	--	--
STA 86+63 LT	1	--	--	--	8	--	--	--
STA 93+05 LT	10	--	--	--	31	--	--	--
STA 95+62 RT	2	--	--	--	7	--	--	--
STA 230+39 RT	2	--	--	--	5	--	--	--
STA 236+37 RT	2	--	--	--	7	--	--	--
STA 238+70 RT	5	--	--	--	15	--	--	--
STA 266+31 RT	1	--	--	--	4	--	--	--
STA 18+55 LT, WOMACK LANE	3	--	--	--	8	--	--	--
UNDISTRIBUTED	313	578	666	56	12	2	204	118
TOTALS	**6,565**	**12,140**	**13,992**	**1,182**	**242**	**49**	**4,284**	**2,468**

LOCATION	REMOVING SMALL CULVERT PIPES 203.0100** EACH	CULVERT PIPE CORRUGATED STEEL 12-INCH 521.0112** LF	CULVERT PIPE CORRUGATED STEEL 15-INCH 521.0115 LF	CULVERT PIPE CORRUGATED STEEL 18-INCH 521.0118** LF	APRON ENDWALLS FOR CULVERT PIPE STEEL 12-INCH 521.1012** EACH	APRON ENDWALLS FOR CULVERT PIPE STEEL 15-INCH 521.1015 EACH	APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH 521.1018** EACH	APRON END WALL FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 6 TO 1 521.1518 EACH	GRADING SLOPED ENDWALL AREA SPV.0060 01** EACH
STH 142									
STA 61+69 LT	1	--	45	--	--	2	--	--	1
STA 63+86, 44.6' LT	1	--	--	--	--	--	--	--	--
STA 64+28	1	--	--	--	--	--	--	--	--
STA 85+05 RT	--	--	--	70	--	--	--	2	--
STA 86+17 RT	--	--	--	20	--	--	--	2	--
STA 92+25 RT	1	--	--	--	--	--	--	--	--
STA 95+61 RT	--	--	--	30	--	--	2	--	--
STA 190+29 LT	1	--	--	30	--	--	2	--	--
STA 191+71 LT	1	--	--	21	--	--	2	--	--
STA 230+39 RT	1	--	--	24	--	--	2	--	--
STA 282+26 LT	1	--	--	31	--	--	2	--	--
STA 284+00 LT	1	--	--	24	--	--	2	--	--
STA 289+29 LT	1	--	--	20	--	--	2	--	--
STA 18+55 LT, WOMACK LANE	1	25	--	--	2	--	--	--	--
UNDISTRIBUTED	--	1	2	14	--	--	--	--	--
TOTAL	**11**	**26**	**47**	**284**	**2**	**2**	**14**	**4**	**1**

**ADDITIONAL QUANTITY SHOWN ELSEWHERE

LOCATION	INLET OFFSET	INLET ELEV	DISCH STATION	DISCH OFFSET	DISCH ELEV	SLOPE %	CULVERT PIPE CORRUGATED STEEL 18-INCH 521.0118** LF	CULVERT PIPE REINFORCED CONCRETE CLASS III 24-INCH 522.0124 LF	APRON ENDWALL FOR CULVERT PIPE STEEL 18-INCH 521.1018** EACH	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH 522.1024** EACH	CONSTRUCTION STAKING PIPE CULVERTS 650.6000** EACH
STH 142											
64+27	38.2' RT	761.36	64+28	36.9' LT	761.03	0.46%	---	71	---	2	1
WHITE RIVER STATE TRAIL											
208+75	29.0' LT	766.87	208+76	13.5' RT	766.75	0.40%	30	---	2	---	1
TOTALS							**30**	**71**	**2**	**2**	**2**

**ADDITIONAL QUANTITY SHOWN ELSEWHERE

STRUCTURE NUMBER	STATION	OFFSET	611.2004 MANHOLE 4-FT DIAMETER EACH	611.2005 MANHOLE 5-FT DIAMETER EACH	611.2006 MANHOLE 6-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3220 INLETS 2X2-FT EACH	611.3230 INLETS 2X3-FT EACH	SPV.0060.02 INLETS 4-FT DIAMETER SPECIAL EACH	611.0530 MANHOLE COVERS TYPE J EACH	611.0600 INLET COVERS TYPE A EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0652 INLET COVERS TYPE T EACH	RIM OR FLANGE ELEV	STR DEPTH FEET	COMMENTS
1A	74+01	8.3 RT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	772.97	2.5	
1B	74+01	1.1 RT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	772.97	2.6	
1	74+01	49.4 LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
2A	75+67	24.6 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.38	1.5	
2B	75+64	1.8 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.78	2.0	
2C	75+63	7.0 LT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.78	2.1	
2	75+60	39.9' LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
3A	77+40	0.6 RT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	774.69	4.3	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
3B	77+42	12.5 LT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	774.66	4.5	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
3C	78+84	106.6 LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
3	78+39	0.0	---	---	---	---	---	---	1	---	---	---	---	---	---	1	774.74	7.6	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
4A	78+37	13.1 RT	---	---	---	---	---	---	1	---	---	---	---	---	---	1	774.82	7.7	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
4B	79+51	74.3 RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
4	78+61	83.9 RT	---	1	---	---	---	---	---	---	---	1	---	---	---	---	772.54	5.5	
5	77+33	118.4 RT	1	---	---	---	---	---	---	1	---	---	---	---	---	---	776.36	9.8	
6	76+35	181.2 RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
7A	80+03	26.7 LT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.65	2.8	
7B	80+03	3.6 LT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	774.06	3.5	
7C	80+03	9.2 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	774.07	3.6	
7	80+03	53.7 RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
8A	81+78	8.1 LT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	773.31	2.5	
8B	81+78	0.9 LT	---	---	---	---	---	1	---	---	---	---	---	1	---	---	773.31	2.6	
8	81+78	33.5 RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
9A	10+35	17.7 LT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.17	2.4	
9B	10+36	1.5 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.47	3.2	
9C	10+37	8.8 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.47	3.3	
9D	10+38	27.8 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	773.16	3.4	
9	10+39	61.2 RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
10A	10+77	45.2 LT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
10B	11+20	20.5 LT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	771.87	3.3	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
10C	11+72	20.5 LT	---	---	---	---	---	1	---	---	---	---	---	---	1	---	772.18	3.8	
10D	12+85	21.8 RT	---	---	---	---	---	1	---	---	---	---	1	---	---	---	771.87	1.6	
10E	11+68	40.3 RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	771.83	2.4	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
10	11+73	23.5 RT	---	---	1	---	---	---	---	1	---	---	---	---	---	---	772.48	4.0	CONNECT TO EXISTING 15" RCCP WITH CONC. COLLAR. INV. EL=767.38 - ECCENTRIC OPENING REQ.
11A	11+49	44.7 RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	771.72	2.3	
11B	11+20	25.6 RT	---	---	---	1	---	---	---	---	---	---	---	---	1	---	771.84	2.6	
11	10+73	60.5 RT	---	---	---	---	---	---	---	---	---	---	---	---	---	---			
CTH J																			
1	9+21.4	21.7 RT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	817.54	2.23	
2	10+68.7	21.6 LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	819.65	2.7	
3	10+67.3	16 LT	---	---	---	---	1	---	---	---	1	---	---	---	---	---	819.6	2.71	
TOTAL			1	1	1	4	3	16	4	2	3	1	11	4	5	4			

1. RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE STRUCTURE FOR MANHOLES.
2. STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES.
4. STR DEPTH = RIM ELEV - INV - CASTING HEIGHT - ADJUSTMENT
   CASTING HEIGHT = 9" FOR TYPE J AND C COVERS, 7" FOR TYPE T COVERS; AND 6" FOR TYPE H, AND H-S COVERS
   ADJUSTMENT = 4" TYPICAL

					608.0312	608.0324	608.0412	608.0415	608.0424	522.1012	522.1015	522.1024	611.9800.S	520.8000	
					STORM SEWER PIPE REINFORCED CONCRETE					AEW FOR CULVERT	AEW FOR CULVERT	AEW FOR CULVERT	PIPE	CONCRETE	
					CLASS III		CLASS IV			PIPE REIN. CONC.	PIPE REIN. CONC.	PIPE REIN. CONC.	GRATES	COLLARS FOR	
FROM	TO	INLET	DISCH	SLOPE	12"	24"	12"	15"	24"	12"	15"	24"		PIPE	
STR	STR	ELEV	ELEV	(FT/FT)	(LF)	(LF)	(LF)	(LF)	(LF)	EACH	EACH	EACH	EACH	EACH	COMMENTS
1A	1B	769.67	769.53	0.0194	---	---	7.1	---	---	---	---	---	---	---	
1B	1	769.53	768.55	0.0194	---	---	50.5	---	---	---	---	---	---	---	
1	OUTLET	768.55			---	---	---	---	---	1	---	---	---	---	
2A	2B	771.04	770.92	0.0050	---	---	23.0	---	---	---	---	---	---	---	
2B	2C	770.92	770.88	0.0050	---	---	8.8	---	---	---	---	---	---	---	
2C	2	770.88	770.71	0.0050	---	---	33.1	---	---	---	---	---	---	---	
2	OUTLET	770.71			---	---	---	---	---	1	---	---	---	---	
3A	3B	769.46	769.20	0.0198	13.1	---	---	---	---	---	---	---	---	---	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
3B	3	769.20	767.25	0.0198	97.8	---	---	---	---	---	---	---	---	---	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
3C	3	766.67	766.25	0.0036	---	---	---	---	115.6	---	---	1	1	---	
3	4A	766.25	766.20	0.0036	---	13.3	---	---	---	---	---	---	---	---	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
4A	4	766.20	765.93	0.0036	---	74.8	---	---	---	---	---	---	---	---	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
4B	4	768.23	765.93	0.0254	---	---	---	---	90.7	---	---	1	1	---	
4	5	765.93	765.45	0.0036	---	132.2	---	---	---	---	---	---	---	---	
5	6	765.45	765.02	0.0036	---	120.8	---	---	---	---	---	---	---	---	
6	OUTLET	765.02			---	---	---	---	---	---	---	1	1	---	
7A	7B	770.00	769.77	0.0100	---	---	23.1	---	---	---	---	---	---	---	
7B	7C	769.77	769.64	0.0100	---	---	12.8	---	---	---	---	---	---	---	
7C	7	769.64	768.68	0.0216	---	---	44.5	---	---	---	---	---	---	---	
7	OUTLET	768.68			---	---	---	---	---	1	---	---	---	---	
8A	8B	769.96	769.87	0.0126	---	---	7.2	---	---	---	---	---	---	---	
8B	8	769.87	769.43	0.0127	---	---	34.4	---	---	---	---	---	---	---	
8	OUTLET	769.43			---	---	---	---	---	1	---	---	---	---	
9A	9B	769.91	769.48	0.0226	---	---	19.2	---	---	---	---	---	---	---	
9B	9C	769.48	769.31	0.0226	---	---	7.4	---	---	---	---	---	---	---	
9C	9D	769.31	768.88	0.0226	---	---	19.0	---	---	---	---	---	---	---	
9D	9	768.88	768.12	0.0227	---	---	33.4	---	---	---	---	---	---	---	
9	OUTLET	768.12			---	---	---	---	---	1	---	---	---	---	
10A	10B	767.91	767.73	0.0040	---	---	---	44.4	---	---	1	---	---	---	
10B	10C	767.73	767.54	0.0040	---	---	---	47.0	---	---	---	---	---	---	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
10C	10	767.54	767.38	0.0040	---	---	---	44.0	---	---	---	---	---	---	
10D	10	769.45	767.62	0.0160	---	---	114.3	---	---	---	---	---	---	---	
10E	10	768.56	767.62	0.0526	---	---	17.9	---	---	---	---	---	---	---	FLAT TOP WITH 2' X 2.5' RECTANGULAR OPENING REQUIRED FOR INLET COVER
10	EXISTING PIPE	767.38			---	---	---	---	---	---	---	---	---	1	CONNECT TO EXISTING 15" RCCP WITH CONC. COLLAR. INV. EL=767.38 - ECCENTRIC OPENING REQ.
11A	11B	768.63	768.43	0.0050	---	---	38.5	---	---	---	---	---	---	---	
11B	11	768.43	768.10	0.0050	---	---	66.2	---	---	---	---	---	---	---	
11	OUTLET	768.10			---	---	---	---	---	1	---	---	---	---	
CTH J															
P-1	1	815.31	814.57	0.0081	---	---	91	---	---	1	---	---	---	---	
P-2	2	816.95	816.89	0.0150	---	---	4	---	---	---	---	---	---	---	
P-3	3	816.89	816.33	0.0100	---	---	56	---	---	1	---	---	---	---	
					110.9	341.1	711.6	135.4	206.3	8	1	3	3	1	

1. RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE STRUCTURE FOR MANHOLES.
2. STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE END OF PIPE WHERE THERE IS AN ENDWALL.
3. PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES.
4. STR DEPTH = RIM ELEV - INV - CASTING HEIGHT - ADJUSTMENT
   CASTING HEIGHT = 9" FOR TYPE J AND C COVERS, 7" FOR TYPE T COVERS; AND 6" FOR TYPE H, AND H-S COVERS
   ADJUSTMENT = 4" TYPICAL
5. JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL REINFORCED CONCRETE APRON ENDWALL LOCATIONS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE REINFORCED CONCRETE STORM SEWER PIPE.

	INVERT ELEVATION	DISCHARGE ELEVATION	CULVERT PIPE CORRUGATED STEEL 12-INCH 521.0112** LF	CULVERT PIPE CORRUGATED STEEL 18-INCH 521.0118** LF	CULVERT PIPE REINFORCED CONCRETE CLASS IV 12-INCH 522.0312 LF	15-INCH 522.0315 LF	18-INCH 522.0318 LF	24-INCH 522.0324 LF	30-INCH 522.0330 LF	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH 522.1012** EACH	15-INCH 522.1015 EACH	18-INCH 522.1018 EACH	24-INCH 522.1024** EACH	30-INCH 522.1030 EACH	APRON ENDWALL FOR CULVERT PIPE STEEL 12-INCH 521.1012** EACH	18-INCH 521.1018** EACH	REMOVING SMALL PIPE CULVERTS 203.0100** EACH	MARKERS CULVERT END 633.5200** EACH	GRADING SLOPED ENDWALL AREA SPV.0060 01** EACH	DITCHING AND SHAPING SPV.0090.03** LF	CONSTRUCTION STAKING PIPE CULVERTS 650.6000** EACH
STH 142																					
STA 53+74	761.50	760.97	--	--	52	--	--	--	--	2	--	--	--	--	--	--	1	2	1	60	1
STA 168+08	764.46	763.43	--	--	--	--	50	--	--	--	--	2	--	--	--	--	1	2	2	200	1
STA 176+97	764.20	763.90	--	--	--	--	--	52	--	--	--	--	2	--	--	--	1	2	2	120	1
STA 191+06	771.00	770.40	--	--	--	--	116	--	--	--	--	4	--	--	--	--	1	2	1	110	1
STA 211+54	771.22	770.09	--	--	--	--	54	--	--	--	--	2	--	--	--	--	1	2	2	120	1
STA 242+75	778.85	777.86	--	--	--	--	--	110	--	--	--	--	4	--	--	--	1	2	2	200	1
STA 250+19	776.94	775.26	--	--	--	--	--	--	68	--	--	--	--	2	--	--	1	2	2	200	1
STA 258+07	782.67	781.11	--	--	--	--	86	--	--	--	--	2	--	--	--	--	1	2	--	--	1
STA 287+81	815.00	813.98	--	--	--	160	--	--	--	--	4	--	--	--	--	--	1	2	--	--	1
SHARED-USE PATH																					
STA 33+65	762.18	760.45	44	--	--	--	--	--	--	--	--	--	--	--	2	--	--	2	--	--	1
WHITE RIVER STATE TRAIL																					
STA 208+75	766.87	766.75	--	30	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	1
QUARRY DWY																					
STA 3+59	772.50	772.00	--	--	90	--	--	--	--	2	--	--	--	--	--	--	--	2	--	--	1
BREVER RD																					
STA 3+37	772.00	771.50	--	--	90	--	--	--	--	2	--	--	--	--	--	--	1	2	--	--	1
CTH J																					
STA 7+94	813.50	811.82	--	--	--	--	176	--	--	--	--	4	--	--	--	--	1	2	--	--	1
STA 11+55	816.81	816.05	--	--	52	--	--	--	--	2	--	--	--	--	--	--	1	2	--	51	1
		TOTAL	**44**	**30**	**284**	**160**	**482**	**162**	**68**	**8**	**4**	**14**	**6**	**2**	**2**	**2**	**12**	**28**	**12**	**1061**	**15**

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	MARKERS CULVERT END 633.5200** EACH
STH 142	
STA 64+27 RT	1
STA 64+28 RT	1
STA 74+01 LT	1
STA 75+58 LT	1
STA 76+31 RT	1
STA 78+84 LT	1
STA 79+51 RT	1
STA 80+03 RT	1
STA 81+78 RT	1
STA 84+67 RT	1
STA 85+40 RT	1
STA 86+05 RT	1
STA 86+29 RT	1
MCCANNA PARKWAY	
STA 10+39 RT	1
STA 10+69 LT	
STA 10+73 RT	1
WHITE RIVER STATE TRAIL	
STA 208+76 LT	1
STA 208+76 RT	1
TOTALS	**17**

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	CONCRETE CURB PEDESTRIAN 601.0600 LF	CONCRETE CURB & GUTTER 18-INCH TYPE A 601.0405 LF	30-INCH TYPE D 601.0411 LF	6-INCH SLOPED 30-INCH TYPE J 601.0415 LF	6-INCH SLOPED 36-INCH TYPE D 601.0557 LF	4-INCH SLOPED 36-INCH TYPE D 601.0553 LF	4-INCH SLOPED 36-INCH TYPE T 601.0582 LF	CONCRETE SIDEWALK 4-INCH 602.0405 SF	CONCRETE SIDEWALK 5-INCH 602.0410 SF	CURB RAMP DETECTABLE WARNING FIELD YELLOW 602.0505 SF	CONCRETE MEDIAN SLOPED NOSE TYPE 1 620.0300 SF	CONCRETE MEDIAN SLOPED NOSE TYPE 2 620.0300 SF
SHARED-USE PATH												
STA 9+80 - 10+06	--	--	--	--	--	--	--	--	131	--	--	--
STA 15+29	--	--	--	--	--	--	--	--	--	20	--	--
STA 16+66	--	--	--	--	--	--	--	--	--	20	--	--
STH 142												
STA 38+89 - 39+04 LT	--	--	15	--	--	--	--	--	52	10	--	--
STA 38+91 - 38+96 LT	--	--	--	--	--	--	--	--	35	10	--	--
STA 62+91 - 87+00	83	230	1,880	--	--	1,000	305	775	--	128	--	--
STA 73+93	--	--	--	--	--	--	--	--	--	--	30	20
STA 81+85	--	--	--	--	--	--	--	--	--	--	30	20
STA 90+32 - 92+29 RT	--	--	--	--	197	--	--	--	--	--	--	--
STA 182+25 LT (DWY REMOVAL)	--	--	--	--	--	35	--	--	--	--	--	--
STA 183+75 - 191+13 LT	--	--	--	--	701	--	--	--	--	--	--	--
STA 263+50 - 269+75 RT	--	--	--	--	--	626	--	--	--	--	--	--
QUARRY DWY												
SW QUAD	--	--	--	--	55	--	--	--	--	--	--	--
MCCANNA PARKWAY												
STA 9+79 - 13+30	33	--	700	--	--	--	--	166	4,730	136	--	--
STA 10+44	--	--	--	--	--	--	--	--	--	--	30	20
BREVER ROAD												
SW QUAD	--	--	--	--	158	--	--	--	--	--	--	--
SE QUAD	--	--	--	--	65	--	--	--	--	--	--	--
WHEATLAND ROAD												
SW QUAD	--	--	--	--	87	--	--	--	--	--	--	--
SE QUAD	--	--	--	--	68	--	--	--	--	--	--	--
WOMACK LANE												
SW QUAD	--	--	--	--	106	--	--	--	--	--	--	--
SE QUAD	--	--	--	--	63	--	--	--	--	--	--	--
SHAGBARK LANE												
SW QUAD	--	--	--	--	92	--	--	--	--	--	--	--
SE QUAD	--	--	--	--	66	--	--	--	--	--	--	--
HORSESHOE TRAIL												
NW QUAD	--	--	--	--	63	--	--	--	--	--	--	--
NE QUAD	--	--	--	--	94	--	--	--	--	--	--	--
CTH J												
NW QUAD	--	--	--	93	86	--	--	--	--	--	--	72
NE QUAD	--	--	--	--	143	--	--	--	--	--	--	--
SW QUAD	--	--	--	--	121	--	--	--	--	--	--	--
SE QUAD	--	--	--	114	91	--	--	--	--	--	--	72
UNDISTRIBUTED	6	12	130	10	113	83	15	47	247	16	4.5	10.2
TOTALS	**122**	**242**	**2,725**	**217**	**2,369**	**1,744**	**320**	**988**	**5,195**	**340**	94.5	214.2
											308.7	

LOCATION	COLORING CONCRETE WISDOT RED 405.0100 CY	CONCRETE TRUCK APRON 12-INCH 416.0512 SY
STH 142		
STA 77+41 - 78+37	110	327
UNDISTRIBUTED	6	17
TOTAL	**116**	**344**

LOCATION	DRILLED TIE BARS 416.0610* EACH
MCCANNA PARKWAY	
STA 9+79 - 13+30	16
TOTALS	**16**

*USE 2 EACH FOR CONCRETE CURB & GUTTER CONNECTIONS

PIPE OUTFALL LOCATION	ASPHALTIC CURB 465.0310 LF	ASPHALTIC FLUMES 465.0315 SY	TOPSOIL 625.0100** SY	SOD WATER 631.0300** MGAL	SOD LAWN 631.1000** SY	RIPRAP MEDIUM 606.0200 CY	GEOTEXTILE FABRIC TYPE HR 645.0120 SY
STH 142							
STA 53+74	--	--	--	--	--	1.33	2.67
STA 73+89 RT	--	12.00	--	--	--	--	--
STA 76+18 LT	--	7.00	--	--	--	--	--
STA 79+56 RT	--	12.00	--	--	--	--	--
STA 81+90 LT	--	12.00	--	--	--	--	--
STA 168+08	--	--	--	--	--	2.33	4.67
STA 176+97	--	--	--	--	--	3.56	7.11
STA 191+06	--	--	--	--	--	4.66	9.34
STA 211+54	--	--	--	--	--	4.66	9.34
STA 242+75	--	--	--	--	--	7.12	14.22
STA 250+19	--	--	--	--	--	5.00	10.00
STA 258+07	--	--	--	--	--	2.33	4.67
STA 287+81	--	--	--	--	--	3.62	7.22
QUARRY DWY							
STA 3+59	--	--	--	--	--	3.62	7.22
SW QUADRANT	16	7.11	5	0.15	5.33	--	--
BREVER RD							
STA 3+37	--	--	--	--	--	3.62	7.22
SW QUADRANT	16	6.00	5	0.15	5.33	--	--
SE QUADRANT	16	11.11	5	0.15	5.33	--	--
WHEATLAND RD							
STA 189+00 LT	10	3.56	5	0.13	4.67	--	--
SW QUADRANT	16	11.11	5	0.15	5.33	--	--
SE QUADRANT	16	11.11	5	0.15	5.33	--	--
WOMACK LN							
SW QUADRANT	16	7.11	5	0.15	5.33	--	--
SE QUADRANT	10	4.00	5	0.14	5.00	--	--
SHAGBARK LN							
SW QUADRANT	16	8.00	5	0.15	5.33	--	--
SE QUADRANT	16	9.33	5	0.15	5.33	--	--
HORSESHOE TRAIL							
NW QUADRANT	16	7.56	5	0.15	5.33	--	--
NE QUADRANT	16	10.22	5	0.15	5.33	--	--
STA 263+50 RT	16	8.44	5	0.15	5.33	--	--
STA 268+65 RT	8	9.78	5	0.15	5.33	--	--
CTH J							
STA 7+94	--	--	--	--	--	4.66	9.34
STA 8+34, 42' RT	--	--	--	--	--	1.33	2.67
STA 11+00, 29' RT	--	--	--	--	--	1.33	2.67
STA 11+55	--	--	--	--	--	1.33	2.67
SW QUADRANT	16	6.67	5	0.15	5.33	--	--
SE QUADRANT	16	5.78	5	0.15	5.33	--	--
NW QUADRANT	16	10.67	5	0.15	5.33	--	--
NE QUADRANT	16	5.33	5	0.15	5.33	--	--
UNDISTRIBUTED	13	9.29	5	0.13	4.75	2.53	5.05
TOTAL	**281**	**195.18**	**100**	**2.79**	**99.75**	**53.03**	**106.08**

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

PROJECT NO: 3370-05-00	HWY: STH 142	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

LOCATION	REMOVING FENCE 204.0170 LF	FENCE CHAIN LINK SALVAGED 6-FT 616.0406 LF	TOPSOIL 625.0100** SY	MULCHING 627.0200 SY	EROSION MAT CLASS I TYPE B 628.2004 SY	EROSION MAT URBAN CLASS I TYPE B 628.2008 SY	FERTILIZER TYPE B 629.0210 CWT	SEEDING MIXTURE NO. 30 630.0130 LB	SOD WATER 631.0300** MGAL	SOD LAWN 631.1000** SY	SEEDING NO MOW FESCUE SPV.0085.01 LB	DITCHING AND SHAPING SPV.0090.03** LF
STH 142												
STA 45+55 - 60+00 LT	--	1,445	--	--	--	--	--	--	--	--	--	--
STA 62+91 - 87+00	--	--	25,200	17,400	--	5,790	16.0	420	16.00	700	73	--
STA 150+35 RT (DWY REMOVAL)	--	--	--	--	--	--	--	--	--	--	--	59
STA 182+25 LT (DWY REMOVAL)	--	--	--	--	--	--	--	--	--	--	--	35
STA 204+95 RT (DWY REMOVAL)	--	--	--	--	--	--	--	--	--	--	--	45
STA 238+70 RT (DWY REMOVAL)	--	--	--	--	--	--	--	--	--	--	--	60
BREVER RD	--	--	7,460	--	--	7,460	95.9	201	--	--	--	--
WHEATLAND RD	--	--	2,890	--	2,218	673	37.2	78	--	--	--	--
WOMACK LN	--	--	3,671	--	728	2,943	47.2	99	--	--	--	--
SHAGBARK LN	--	--	3,905	--	3,905	--	50.2	105	--	--	--	--
HORSESHOE TR	--	--	3,537	--	2,375	1,163	45.5	95	--	--	--	--
CTH J	--	--	7,039	7,039	5,119	1,921	90.5	190	--	--	--	--
MCCANNA PARKWAY	--	--	1,100	800	--	--	1.0	20	6.00	250	--	--
SHARED-USE PATHS												
STA 9+80 - 10+06	--	--	33	--	--	33	--	--	--	--	--	--
STA 10+06 - 17+10	--	--	8,563	--	--	8,563	110.1	231	--	--	--	--
STA 17+10P - 32+73P	35	--	6,100	4,600	--	5	6.0	150	--	--	--	--
STA 0+00 - 5+10	--	--	1,560	--	--	1,560	20.1	42	--	--	--	--
WHITE RIVER STATE TRAIL												
STA 202+10 - 209+76	--	--	2,000	2,300	--	285	2.0	50	--	--	--	--
UNDISTRIBUTED	2	72	3,653	1,607	717	1,520	26.1	84	1.10	48	4	10
TOTALS	**37**	**1,517**	**76,710**	**33,746**	**15,062**	**31,916**	**547.7**	**1,767**	**23.10**	**998**	**77**	**209**

**ADDITIONAL QUANTITIES SHOWN ELSEWHERE IN PLAN

LOCATION	SILT FENCE 628.1504 LF	SILT FENCE MAINTENANCE 628.1520 LF	HEAVY DUTY SILT FENCE SPV.0090.01 LF	HEAVY DUTY SILT FENCE MAINTENANCE SPV.0090.02 LF	MOBILIZATION EROSION CONTROL 628.1905 EACH	MOBILIZATION EMERGENCY EROSION CONTROL 628.1910 EACH	INLET PROTECTION TYPE A 628.7005 EACH	INLET PROTECTION TYPE C 628.7015 EACH	TEMPORARY DITCH CHECK 628.7504 LF	CULVERT PIPE CHECK 628.7555 EACH	EROSION BALES 628.1104 EACH	ROCK BAGS 628.7570 EACH	RIPRAP LIGHT 606.0100 CY	SEEDING TEMPORARY 630.0200 LB	GEOTEXTILE TYPE R 645.0130 SY
STH 142															
STA 39+00 - 62+91	2,862	1,431	--	--	--	--	--	--	40	3	9	36	--	--	--
STA 62+91 - 87+00	1,830	915	--	--	--	--	14	14	390	16	--	30	--	--	--
STA 87+00 - 101+50	1,750	875	--	--	--	--	--	--	--	3	9	36	--	--	--
STA 143+50 - 291+50	7,500	3,000	1,525	1,525	--	--	--	3	505	45	21	84	--	--	--
PROJECT LIMITS	--	--	--	--	2	8	--	--	--	--	--	--	--	--	--
MCCANNA PARKWAY															
STA 9+79 - 13+30	250	125	--	--	--	--	10	14	--	3	--	--	--	--	--
SHARED-USE PATH															
STA 17+10P - 32+73P	1,280	640	--	--	--	--	--	--	--	--	--	--	--	--	--
WHITE RIVER STATE TRAIL															
STA 202+10 - 209+76	330	165	--	--	--	--	--	--	90	3	--	--	3	--	8
UNDISTRIBUTED	930	465	76	76	--	--	1	1	120	5	100	10	--	5000	--
TOTALS	**16,732**	**7,616**	**1,601**	**1,601**	**2**	**8**	**25**	**32**	**1,145**	**78**	**139**	**196**	**3**	**5,000**	**8**

PROJECT NO: 3370-05-00	HWY: STH 142	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

PAVEMENT MARKING

	EPOXY				CURB	ISLAND NOSE	DIAGONAL EPOXY 12-INCH		GROOVED WET REFLECTIVE EPOXY						CROSSWALK	STOP LINE	ARROWS	WORDS EPOXY	LOCATING
									4-INCH (WHITE)				CHANNELIZING 8-INCH (WHITE)						
	4-INCH (WHITE)	4-INCH (DOUBLE YELLOW)	8-INCH (WHITE)	18-INCH (WHITE)	EPOXY (YELLOW)	EPOXY (YELLOW)	(WHITE)	(YELLOW)	4-INCH (YELLOW)	LINE	SKIP (3' LINE, 9' SPACE)	SKIP (12.5' LINE, 37.5' SPACE)	SKIP (3' LINE, 9' SPACE)	LINE	EPOXY 6-INCH (WHITE)	EPOXY 18-INCH (WHITE)	EPOXY TYPE 2 (WHITE)	(ONLY) (WHITE)	NO PASSING ZONE
	646.0106	646.0106	646.0126	646.0156	647.0456	647.0606	647.0726	647.0726	646.0842.S	646.0842.S	646.0842.S	646.0842.S	646.0844.S	646.0844.S	647.0766	647.0566	647.0166	647.0356	648.0100
LOCATION	LF	LF	LF	LF	LF	EACH	LF	LF	LF	LF	LF	LF	LF	LF	LF	LF	EACH	EACH	MI
STH 142																			
STA 38+50 - 62+91	--	4,900	--	--	--	--	--	--	--	4,900	--	--	--	--	60	--	--	--	0.95
STA 62+91 - 87+00	--	--	110	50	20	2	10	265	4,510	4,160	--	--	--	--	155	--	--	3	--
STA 87+00 - 101+50	200	2,900	--	--	--	--	--	--	--	2,777	156	63	106	200	--	--	2	1	0.3
STA 143+50 - 291+50	1,331	29,600	--	--	--	--	--	--	--	28,558	888	250	636	1,202	--	60	--	--	2.8
SHARED-USE PATH CONNECTION	1,020	1,020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SHARED-USE PATH	4,736	4,736	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BREVER ROAD	--	740	--	--	--	--	--	--	--	--	--	--	--	--	--	30	--	--	--
WHEATLAND ROAD	--	150	--	--	--	--	--	--	--	--	--	--	--	--	--	25	2	1	--
WOMACK LANE	--	300	--	--	--	--	--	--	--	--	--	--	--	--	--	25	2	1	--
SHAGBARK LANE	--	260	--	--	--	--	--	--	--	--	--	--	--	--	--	25	2	1	--
HORSESHOE TRAIL	--	240	--	--	--	--	--	--	--	--	--	--	--	--	--	25	2	1	--
MCCANNA PARKWAY	--	--	--	--	10	1	10	55	720	530	--	--	--	--	75	--	--	--	--
CTH J																			
N RADIUS PT - STA 11+93	150	400	--	--	--	--	75	--	--	--	--	--	--	280	--	60	2	1	--
STA 7+86 - S RADIUS PT	150	280	--	--	--	--	75	--	--	--	--	--	--	280	--	60	2	1	--
UNDISTRIBUTED	379	2,276	6	3	2	--	9	16	262	2,046	52	16	37	98	15	16	--	--	0.20
SUBTOTALS	7,966	47,802					179	336	5,492	42,971	1,096	328	779	2,060					
TOTALS	**55,769**		**116**	**53**	**32**	**3**	**515**		**49,887**				**2,839**		**305**	**326**	**14**	**10**	**4.25**

TRAFFIC CONTROL

		BARRICADES	LIGHTS		SIGNS	SIGNS	DETOUR	COVERING	TEMPORARY PEDESTRIAN
	DRUMS	TYPE III	TYPE A	SIGNS	FIXED MESSAGE	PCMS	SIGNS	SIGNS TYPE II	SAFTEY FENCE
	643.0300	643.0420	643.0705	643.0900	643.1000	643.1050	643.3000	643.0920	644.1616.S
LOCATION	DAYS	DAYS	DAYS	DAYS	SF	DAYS	DAYS	EACH	LF
STH 142									
STAGE 1	3,100	837	1,116	837	179.5	28	5,115	45	--
STAGE 2	19,350	4,644	5,332	4,042	455.0	14	25,542.0	75	--
UNDISTRIBUTED	1,170	234	234	234	31.7	--	585	2	400
TOTALS	**23,620**	**5,715**	**6,682**	**5,113**	**666.2**	**42**	**31,242**	**122**	**400**

LOCATION	SAWING ASPHALT 690.0150 LF
STH 142	
STA 38+89 - 39+04 LT	15
STA 38+91 - 38+96 LT	5
STA 39+00	31
STA 62+91 - 87+00	46
STA 88+19 - 94+66 RT	647
STA 88+92 - 96+65LT	773
STA 101+50	30
STA 143+50	30
STA 183+12 - 189+40 RT	627
STA 183+75 - 191+67 LT	793
STA 228+87 - 235+55 RT	668
STA 229+19 - 237+88 LT	870
STA 252+99 - 259+50 RT	789
STA 253+50 - 261+48 LT	798
STA 262+65 - 270+50 RT	784
STA 264+81 - 271+16 LT	635
STA 281+44 288+47 RT	696
STA 283+95 - 290+76 LT	683
STA 291+50	30
DWY	
STA 38+78 LT	5
STA 41+99 LT	9
STA 44+25 - 45+50 LT	129
STA 61+69 LT	21
STA 61+69 RT	27
STA 93+00 LT	84
STA 95+62 RT	19
STA 182+25 LT	35
STA 204+95 RT	35
STA 230+39 RT	14
STA 236+37 RT	12
STA 238+70 RT	150
STA 266+31 RT	13
QUARRY DWY	58
SIDE ROADS	
BREVER ROAD	22
WHEATLAND ROAD	30
WOMACK LANE	
STA 18+25	20
STA 18+55 LT	21
SHAGBARK LANE	22
HORSESHOE TRAIL	22
CTH J	
STA 7+86	22
STA 11+93	20
MCCANNA PARKWAY	
STA 9+79 -13+30	221
CULVERT	
STA 53+74	61
STA 168+08	61
STA 176+97	61
STA 191+06	61
STA 211+54	61
STA 242+75	61
STA 250+19	61
STA 258+07	49
STA 287+81	49
UNDISTRIBUTED	524
TOTALS	**11,010**

LOCATION	SAWING CONCRETE 690.0250 LF
MCANNA PARKWAY	
STA 9+79 - 13+30	36
STH 142	
STA 181+00 LT	6
STA 38+89 LT	3
UNDISTRIBUTED	2
TOTALS	**47**

LOCATION	DRAIN TILE EXPLORATION 612.0700 LF
STH 142	
STA 233+87 - 257+75	2,400
UNDISTRIBUTED	120
TOTALS	**2,520**

LOCATION	PIPE UNDERDRAIN 6-INCH 612.0106 LF	APRON ENDWALLS FOR UNDERDRAIN RIENFORCED CONCRETE 6-INCH 612.0806 EACH
STH 142		
UNDISTRIBUTED	2,700	8
TOTALS	**2,700**	**8**

	CONSTRUCTION STAKING							
LOCATION	SUBGRADE 650.4500** LF	BASE 650.5000 LF	CURB & GUTTER 650.5500 LF	RESURFACING REFERENCE 650.8000 LF	SUPPLEMENTAL CONTROL 650.9910 LS	SLOPE STAKES 650.9920 LF	STORM SEWER 650.4000** LF	ELECTRICAL INSTALLATIONS 650.8500 LS
STH 142								
STA 39+00 - 63+00	--	--	15	2,400	--	--	--	--
STA 62+91 - 87+00	3,064	3,064	3,500	--	--	3,064	37	1
STA 87+00 - 101+50	1,450	1,450	200	--	--	1,450	--	--
STA 143+50 - 291+50	5,650	5,650	1,400	9,150	--	5,650	--	--
SIDE ROADS								
BREVER RD	380	380	280	--	--	380	--	--
WHEATLAND RD	110	110	160	--	--	110	--	--
WOMACK LN	175	175	170	--	--	175	--	--
SHAGBARK LN	165	165	160	--	--	165	--	--
HORSESHOE	160	160	160	--	--	160	--	--
CTH J	425	425	450	--	--	425	5	--
MCCANNA PARKWAY	432	432	730	--	--	432	--	--
SHARED-USE PATHS								
STA 0+00 - 5+10	510	510	--	--	--	510	--	--
STA 10+06 - 33+74	2,400	2,400	--	--	--	2,400	--	--
STA 10+06P - 17+10P	704	704	--	--	--	704	--	--
UNDISTRUBTED	781	781	361	578	1	781	2	--
TOTAL	**16,406**	**16,406**	**7,586**	**12,128**	**1**	**16,406**	**44**	**1**

EARTHWORK SUMMARY		ITEM# 205.0100				ITEM# 208.0100				
Division	**From/To Station**	**Common Excavation (1)**		**Salvaged/Unusable Pavement Material (4)**	**Available Material (5)**	**Expanded EBS Backfill (11)**	**Unexpanded Fill**	**Expanded Fill (13)**	**Mass Ordinate +/- (14)**	**Waste**
Division 1		**Cut (2)**	**EBS Excavation (3)**			**Factor 1.10**		**Factor 1.20**		
STH 142	62+91 - 87+00	120,165	0	1,930	118,235	0	3,796	4,523	113,712	
STH 142	88+50 - 97+50	1,773	0	396	1,377	0	1,874	2,249	-872	
STH 142	182+95 - 191+95	1,576	0	410	1,166	0	42	50	1,116	
STH 142	228+50 - 238+00	1,735	0	201	1,533	0	97	116	1,417	
STH 142	252+98 - 261+75	2,407	0	160	2,247	0	188	226	2,021	
STH 142	262+45 - 271+18	1,306	0	472	834	0	465	558	276	
STH 142	277+50 - 291+50	1,920	0	287	1,634	0	485	582	1,052	
Shared-Use Path	9+80 - 33+74	866	0	0	866	0	197	236	630	
Path Connection	0+00 - 05+10	142	0	0	142	0	65	78	64	
Shared-use path	17+10P - 30+50P	4,894	0	0	4,894	0	897	1,076	3,818	
White River State Trail	201+20 - 209+75	544	0	0	544	0	595	714	-170	
McCanna Parkway	9+98 - 13+30	570	0	35	535	0	2,641	3,169	-2,634	
McCanna Sidewalk	13+30 - 20+68	200	0	0	200	0	0	0	200	
Brever	0+00 - 03+84	1,176	0	135	1,041	0	611	733	308	
Quarry DWY	0+58 - 03+83	1,599	0	203	1,396	0	255	307	1,089	
Wheatland	13+90 - 14+87	242	0	107	135	0	4	5	130	
Womack	18+25 - 19+88	277	0	134	143	0	16	20	124	
Shagbark	8+37 - 09+88	309	0	97	212	0	36	43	169	
Horseshoe	10+12 - 11+60	309	0	94	215	0	4	5	211	
CTH J	7+69 - 12+55	825	0	354	471	0	81	98	373	
UNDISTRIBUTED	--	0	3,800	0	0	4,180	0	0	0	
Division 1 Subtotal		142,835	3,800	5,014	137,821	4,180	12,349	14,787	123,034	130,510
Grand Total		142,835.18	3,800.00	5,014.18	137,821.00	4,180.00	12,349.16	14,786.79	123,034.22	130,510.27
		Total Common Exc	**146,635.18**							

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS excavation material shall be removed from the site and shall not be used as fill material. EBS excavation to be backfilled with Borrow material. EBS excavation material not included in the mass ordinate.
4) Salvaged/Unusable Pavement Material is included in Cut.
5) Available Material = Cut - Salvaged/Unusuable Pavement Material
6) Expanded EBS Backfill - This is to be filled with Borrow material. EBS Backfill Factor = 1.1. Item number 208.0100 Borrow. 30-Inch Grade 2 Borrow Assumed for Quantities in Earthwork Summary.
7) Expanded Fill Factor = 1.2
8) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

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LIGHTING BRANCH CIRCUIT WIRE AND CONDUIT QUANTITIES

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF
CAB. 'CB'	CB-1-1	30	114
CB-1-1	CB-1-2	110	354
CB-1-2	LPB-1	22	87
LPB-1	LPB-2	115	363
LPB-2	CB-1-6	32	117
LPB-2	CB-1-5	53	180
CB-1-5	CB-1-4	124	396
CB-1-4	CB-1-3	145	459
CAB. 'CB'	LPB-3	32	117
LPB-3	CB-3-1	38	135
CB-3-1	CB-3-2	150	474
CB-3-2	CB-3-3	148	468
LPB-3	LPB-4	115	363
LPB-4	CB-3-4	7	42
CB-3-4	CB-3-5	85	279
CB-3-5	CB-3-6	142	450
	TOTALS	1348	4398

PULL BOX QUANTITIES

NO.	653.0140 PULL BOXES STEEL 24X42-INCH EACH
LPB-1	1
LPB-2	1
LPB-3	1
LPB-4	1
TOTAL	4

LIGHTING CONTROL QUANTITIES

NO.	656.0400.01 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL CABINET CB LS	SPV.0060.03 LIGHTING CONTROL CABINET EACH
CABINET CB	1	1
TOTALS	1	1

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	657.0715 LUMINAIRE ARMS TRUSS TYPE 4-1/2-INCH CLAMP 15-FT EACH	659.1120 LUMINAIRES UTILITY LED B EACH	659.1125 LUMINAIRES UTILITY LED C EACH
CB-1-1	1	129	1	1	1		1
CB-1-2	1	144	1	1	1		1
CB-1-3	1	129	1	1	1	1	
CB-1-4	1	129	1	1	1	1	
CB-1-5	1	144	1	1	1		1
CB-1-6	1	144	1	1	1		1
CB-3-1	1	144	1	1	1		1
CB-3-2	1	129	1	1	1	1	
CB-3-3	1	129	1	1	1	1	
CB-3-4	1	144	1	1	1		1
CB-3-5	1	144	1	1	1		1
CB-3-6	1	129	1	1	1	1	
TOTALS	12	1638	12	12	12	5	7

3

3

REMOVE TRAFFIC SIGNALS

LOCATION	SPV.0105.02 REMOVE TRAFFIC SIGNALS L.S.
STH 142 & CTH J	1
TOTAL	1

OVERHEAD SIGN SUPPORTS - REMOVAL MISC QUANTITIES STH 142 3370-05-70

LOCATION	REMOVING OVERHEAD SIGN SUPPORT 285+50 L.S. SPV.0105.01
STH 142 EASTBOUND AT CTH J AT STOP SIGN	1
TOTAL	1

OVERHEAD SIGN SUPPORTS - MISC QUANTITIES STH 142 3370-05-70

LOCATION	OVERHEAD SIGN SUPPORT STRUCTURE S-51-238 L.S. 641.8100.01
STH 142 EASTBOUND AT CTH J	1
TOTAL	1

REMOVING FLASHING BEACON AND POLE STH 142 3370-05-70

LOCATION	REMOVING SOLAR FLASHING BEACON AND POLE EASTBOUND STH 142 AT CTH J EACH SPV.0060.05	REMOVING SOLAR FLASHING BEACON AND POLE WESTBOUND STH 142 AT CTH J EACH SPV.0060.06
STH 142 AT CTH J EASTBOUND WESTBOUND	1	1
TOTAL	1	1

TRAFFIC FLASHING BEACON SYSTEM, SOLAR STH 142 3370-05-70

LOCATION	TRAFFIC FLASHING BEACON SYSTEM, SOLAR EACH SPV.0060.07	TRAFFIC FLASHING BEACON SYSTEM, SOLAR EACH SPV.0060.08
STH 142 AT CTH J EASTBOUND WESTBOUND	1	1
TOTAL	1	1

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\3370-05-70\030202_mq.pptx PLOT DATE : 6/29/2016 PLOT BY : DOTCMV PLOT NAME : 030201_mq.pdf

3

RECTANGULAR RAPID FLASHING BEACON - MISC QUANTITIES 3370-05-70 STH 142

LOCATION	RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM STATION 78 +90 Westbound Right LS **SPV.0105.03**	RECTANGULAR RAPID FLASHING BEACON (RRFB) SYSTEM STATION 78 +80 Eastbound Right LS **SPV.0105.04**
Station 78 +90 Westbound	1	
Station 78 +90 Eastbound		1
TOTAL	1	1

TYPE II SIGN REMOVAL **3370-05-70 STH 142**

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	REMARKS / SIGN LOCATION
1R	J3-2	--	1	1	--
2R	R2-1	--	1	1	--
3R	W14-3	--	1	1	--
4R	--	--	--	1	REMOVE WOOD POST
5R	R7-1R	--	1	1	--
6R	R2-1	--	1	1	--
7R	I2-3	--	1	2	--
8R	W11-8	--	1	1	--
9R	D9-2	--	1	1	REMOVE ARROW SIGN ALSO
10R	W11-2	--	1	1	REMOVE W16-7L ALSO
11R	R7-1D	--	1	--	REMOVE FROM UTILITY POLE
12R	W11-2	--	1	1	REMOVE W16-7L ALSO
13R	R7-1D	--	1	1	--
14R	R7-1D	--	1	1	--
15R	W11-2	--	1	1	REMOVE W16-9P ALSO
16R	R7-1D	--	1	1	--
17R	D2-1	KENOSHA 24	1	2	--
18R	R2-1	--	1	1	--
19R	R7-1L	--	1	1	--
20R	--	REDUCED SPEED AHEAD / 30 MPH	1	1	--
21R	W11-2	--	1	1	REMOVE W16-9P ALSO
22R	W14-3	--	1	1	REMOVE W1-2R ALSO
23R	R1-1	--	1	1	--
24R	R7-1L	--	1	1	--
25R	R2-1	--	1	1	--
26R	R2-1	--	1	1	--
27R	R7-1D	--	1	1	--
28R	R1-1	--	1	1	--
29R	R2-1	--	1	1	REMOVE W14-3 ALSO
30R	W5-52L	--	1	1	--
31R	W5-52R	--	1	1	--
32R	W5-52R	--	1	1	--
33R	W5-52L	--	1	1	--
34R	R1-1	--	1	1	--
35R	R1-1	--	1	1	--
36R	R1-1	--	1	1	REMOVE NO RIGHT TURN SIGN ALSO
37R	R2-1	--	1	--	REMOVE FROM UTILITY POLE
38R	R2-1	--	1	1	--
39R	MR1-99	--	1	1	REMOVE MR2-1 AND MR6-1 ALSO
40R	R2-1	--	1	1	--

TYPE II SIGN REMOVAL **3370-05-70 STH 142**

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	REMARKS / SIGN LOCATION
41R	MR1-99	--	1	1	REMOVE MR4-53 AND MR5-53 ALSO
42R	R1-1	--	1	1	--
43R	MR1-99	--	1	1	REMOVE MR4-6 ALSO
44R	R2-1	--	1	1	--
45R	W14-3	--	1	1	--
46R	W2-1L	--	1	1	--
47R	J1-3	--	1	2	--
48R	J2-3	--	1	2	--
49R	W1-6	--	1	1	--
50R	D1-2	[A] KENOSHA / MILWAUKEE [A]	1	2	--
51R	R2-1	--	1	1	--
52R	J1-1	--	1	1	--
53R	W1-2R	--	1	1	--
54R	J3-1	--	1	1	--
55R	R1-1	--	1	1	--
56R	R5-1	--	1	1	--
57R	R1-1	--	1	1	REMOVE R4-7 ALSO
58R	W1-11R	--	1	1	REMOVE W13-1 ALSO
59R	J3-3	--	1	2	--
60R	W1-7	--	1	1	--
61R	J3-3	--	1	2	--
62R	J2-3	--	1	2	--
63R	W5-52R	--	1	1	--
64R	W5-52L	--	1	1	--
65R	W5-52R	--	1	1	--
66R	W5-52L	--	1	1	--
67R	D1-1	[A] BURLINGTON	1	2	--
68R	D1-2	[A] KENOSHA / MILWAUKEE [A]	1	2	--
69R	J2-3	--	1	2	--
70R	W1-2R	--	1	1	--
71R	J3-3	--	1	2	--
72R	W1-11R	--	1	1	REMOVE W13-1 ALSO
73R	R1-1	--	1	1	REMOVE R4-7 ALSO
74R	R5-1	--	1	1	--
75R	R1-1	--	1	1	--
76R	J3-1	--	1	1	--
77R	W1-7	--	1	1	--
78R	J3-3	--	1	2	--
79R	J4-1	--	1	1	--
80R	R59-51	--	1	1	--

TYPE II SIGN REMOVAL **3370-05-70 STH 142**

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	REMARKS / SIGN LOCATION
81R	D1-2	[A] BURLINGTON / [A] MILWAUKEE	1	2	--
82R	R1-1	--	1	1	--
83R	W1-7	--	1	2	--
84R	W1-6	--	1	1	--
85R	J2-3	--	1	2	--
86R	W1-2R	--	1	1	--
87R	R2-1	--	1	1	--
88R	R2-1	--	1	1	--
89R	J1-3	--	1	2	--
90R	W1-6	--	1	1	--
91R	W3-5	--	1	1	--
92R	W1-2L	--	1	1	--
93R	W1-2L	--	1	1	--
94R	W1-2R	--	1	1	--
95R	W2-2	--	1	1	--
96R	MR1-99	--	1	1	REMOVE MR2-1 AND MR6-1 ALSO
97R	W1-7	--	1	1	--
98R	MR1-99	--	1	1	REMOVE MR4-53 AND MR5-53 ALSO
99R	R1-1	--	1	1	--
100R	W14-3	--	1	1	REMOVE MR2-1, MR1-99 AND MR6-1 ALSO
101R	W14-1	--	1	1	--
102R	R1-1	--	1	1	--
103R	W14-3	--	1	1	--
104R	W14-3	--	1	1	--
105R	W14-1	--	1	1	--
106R	R1-1	--	1	1	--
107R	R1-1	--	1	1	--
108R	W3-1	--	1	1	--
109R	J1-1	--	1	1	--
110R	W3-1	--	1	1	--
111R	W3-1	--	1	1	--
112R	R59-51	--	1	1	--
113R	J2-2	--	1	1	--
114R	J4-1	--	1	1	REMOVE D1-1 ALSO
115R	J3-2	--	1	1	--
116R	R1-1	--	1	--	REMOVE FROM OVERHEAD
117R	R1-1	--	1	--	REMOVE FROM BEACON POLE
118R	R5-1	--	1	1	--
119R	R1-1	--	1	1	--
120R	J13-1	--	1	1	--

TYPE II SIGN REMOVAL **3370-05-70 STH 142**

SIGN NO.	SIGN CODE	SIGN MESSAGE	638.2602 REM SIGNS TYPE II [EA]	638.3000 REM SMALL SIGN SUP [EA]	REMARKS / SIGN LOCATION
121R	R1-1	--	1	1	REMOVE R1-3P ALSO
122R	J4-1	--	1	1	--
123R	R1-1	--	1	1	--
124R	R1-1	--	1	--	REMOVE FROM BEACON POLE
125R	J3-2	--	1	1	--
126R	R1-1	--	1	1	--
127R	R1-1	--	1	1	REMOVE R1-3P ALSO
128R	R1-1	--	1	1	--
129R	R5-1	--	1	1	--
130R	J4-1	--	1	1	--
131R	J13-1	--	1	1	--
132R	J4-1	--	1	2	REMOVE D1-1 ALSO
133R	W11-7	--	1	1	--
134R	R7-1R	--	1	1	--
135R	R7-1L	--	1	1	--
136R	W3-1	--	1	1	--
137R	J2-2	--	1	1	--
138R	R7-1D	--	1	1	--
139R	W3-1	--	1	1	--
140R	R7-1D	--	1	1	--
141R	J1-1	--	1	1	--
142R	R2-1	25 MPH	1	1	TURN OVER TO THE CITY OF DARLINGTON - SHEET 6
	TOTALS		141 *	155 *	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1	J23-2(2S)	--	48	x	69	23.000	--	--	2	--	--	--	--	--
	M4-5	--	24	x	12									
	M3-2	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M6-1	--	21	x	21									
	M4-5	--	24	x	12									
	M3-2	--	24	x	12									
	M1-6	STH 142	24	x	24									
	M6-1	--	21	x	21									
2	--	NATIONAL GUARD [A]	--	x	--	--	--	--	--	--	--	1	--	--
3	R2-1(2S)	30 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--
4	--	TOWN OF BURLINGTON…	--	x	--	--	--	1	1	--	--	1	--	--
5	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
6	R7-1R(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
7	R2-1(2M)	30 MPH	30	x	36	7.500	--	--	1	--	--	--	--	--
8	I2-3	BURLINGTON POPULATION 10,464	66	x	24	11.000	--	--	2	--	--	--	--	--
9	--	TOWN OF BURLINGTON…	--	x	--	--	--	1	1	--	--	1	--	--
10	W11-8(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
11	W3-5(2S)	30 MPH	36	x	36	--	9.000	--	1	--	--	--	--	--
12	JH-1(2S)	--	24	x	45	7.500	--	--	1	--	--	--	--	--
	D9-2	--	24	x	24									
	MB6-1	--	21	x	21									
13	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
14	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	13	--
15	R7-1D(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
16	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
17	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	16	--
18	R7-1D(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
19	R7-1D(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
20	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
21	W16-9P(2S)	--	24	x	12	--	2.000	--	--	--	--	--	20	--
22	D2-1	KENOSHA 24	72	x	15	7.500	--	--	2	--	--	--	--	--
23	R2-1(2S)	45 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--
24	R7-1L(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
25	W1-2R(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
26	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
27	W16-9P(2S)	--	24	x	12	--	2.000	--	--	--	--	--	26	--
28	W14-3(2S)	--	48	x	36	--	6.000	--	--	--	--	--	26	BACK OF SIGN #26
29	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
30	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
31	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	30	--
32	*NOT USED*	--	--	x	--	--	--	--	--	--	--	--	--	--
33	R7-1L(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
34	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
35	W16-9P(2S)	--	24	x	12	--	2.000	--	--	--	--	--	34	--

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
36	D1-62	CTH R BUSHNELL RD MCCANNA [A] PKWY	144	x	90	90.000	--	--	--	4	--	--	--	--
37	W2-6(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
38	W13-1(2S)	15 MPH	18	x	18	--	2.250	--	--	--	--	--	37	--
39	R7-1D(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
40	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
41	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
42	R2-1(2S)	45 MPH	24	x	30	5.000	--	--	--	--	--	--	41	BACK OF SIGN #41
43	W6-3(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
44	R5-1(2S)	--	30	x	30	6.250	--	--	--	--	1	--	--	--
45	R2-1(2S)	45 MPH	24	x	30	5.000	--	--	--	--	1	--	--	--
46	W11-2(2S)	--	30	x	30	--	6.250	--	--	--	1	--	--	--
47	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	46	--
48	D1-1	BUSHNELL RD [A]	66	x	24	11.000	--	--	--	--	2	--	--	--
49	R1-2(2S)	--	36	x	31	3.880	--	--	--	--	1	--	--	TEMPORARY FLAGS INCIDENTAL
50	R6-2R(2S)	--	24	x	30	5.000	--	--	--	--	--	--	49	--
51	R1-2(2S)	--	36	x	31	3.880	--	--	--	--	1	--	--	TEMPORARY FLAGS INCIDENTAL
52	R1-54(2S)	--	24	x	15	2.500	--	--	--	--	--	--	51	--
53	W11-2(2S)	--	30	x	30	--	6.250	--	--	--	1	--	--	--
54	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	53	--
55	R3-4(2S)	--	24	x	24	4.000	--	--	--	--	--	--	56	BACK OF SIGN #56
56	R4-7(2S)	--	24	x	30	5.000	--	--	--	--	1	--	--	--
57	W5-54(2S)	--	18	x	18	--	2.250	--	--	--	--	--	56	--
58	W3-2(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	TEMPORARY FLAGS INCIDENTAL
59	R1-2(2S)	--	36	x	31	3.880	--	--	--	--	1	--	--	TEMPORARY FLAGS INCIDENTAL
60	R1-54(2S)	--	24	x	15	2.500	--	--	--	--	--	--	59	--
61	W11-2(2S)	--	30	x	30	--	6.250	--	--	--	1	--	--	--
62	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	61	--
63	R4-7(2S)	--	24	x	30	5.000	--	--	--	--	1	--	--	--
64	R5-1(2S)	--	30	x	30	6.250	--	--	--	--	1	--	--	--
65	R1-2(2S)	--	36	x	31	3.880	--	--	--	--	1	--	--	TEMPORARY FLAGS INCIDENTAL
66	R6-2R(2S)	--	24	x	30	5.000	--	--	--	--	--	--	65	--
67	W11-2(2S)	--	30	x	30	--	6.250	--	--	--	1	--	--	--
68	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	67	--
69	D1-1	MCCANNA PKWY [A]	66	x	24	11.000	--	--	--	--	2	--	--	--
70	R1-2(2S)	--	36	x	31	3.880	--	--	--	--	1	--	--	TEMPORARY FLAGS INCIDENTAL
71	R1-54(2S)	--	24	x	15	2.500	--	--	--	--	--	--	70	--
72	W11-2(2S)	--	30	x	30	--	6.250	--	--	--	--	--	--	SEE SPECS & MISC. QTYS. FOR RRFB & POLI
73	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	72	--
74	J1-1(2S)	--	24	x	36	6.000	--	--	--	--	1	--	--	--
	M4-6	--	24	x	12									
	M1-5A	CTH R	24	x	24									

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
75	R3-4(2S)	--	24	x	24	4.000	--	--	--	--	--	--	76	BACK OF SIGN #76
76	R4-7(2S)	--	24	x	30	5.000	--	--	--	--	1	--	--	--
77	W5-54(2S)	--	18	x	18	--	2.250	--	--	--	--	--	76	--
78	W3-2(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	TEMPORARY FLAGS INCIDENTAL
79	R5-1(2S)	--	30	x	30	6.250	--	--	--	--	1	--	--	--
80	R2-1(2S)	45 MPH	24	x	30	5.000	--	--	--	--	--	--	79	BACK OF SIGN #79
81	J4-1(2S)	--	24	x	24	4.000	--	--	--	--	1	--	--	--
	M1-5A	CTH R	24	x	24									
82	R1-2(2S)	--	36	x	31	3.880	--	--	--	--	1	--	--	TEMPORARY FLAGS INCIDENTAL
83	R6-2R(2S)	--	24	x	30	5.000	--	--	--	--	--	--	82	--
84	W11-2(2S)	--	30	x	30	--	6.250	--	--	--	--	--	--	SEE SPECS & MISC. QTYS. FOR RRFB & POLI
85	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	84	--
86	D1-1	CTH R BUSHNELL RD [A]	84	x	30	17.500	--	--	--	--	2	--	--	--
87	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	2	--	--	--
88	R6-4B(2S)	--	60	x	24	10.000	--	--	--	--	--	--	87	4 FT MOUNTING HEIGHT
89	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	2	--	--	--
90	R6-4B(2S)	--	60	x	24	10.000	--	--	--	--	--	--	89	4 FT MOUNTING HEIGHT
91	R6-1R(2S)	--	36	x	12	3.000	--	--	--	--	2	--	--	--
92	R6-4B(2S)	--	60	x	24	10.000	--	--	--	--	--	--	91	4 FT MOUNTING HEIGHT
93	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
94	--	GATEWAY TOBACCO-FREE…	--	x	--	--	--	1	1	--	--	1	--	--
95	--	PARKING IN MARKED STALLS…	--	x	--	--	--	--	--	--	--	1	94	--
96	--	NO PARKING ANY TIME	--	x	--	--	--	--	--	--	--	1	94	--
97	W3-2(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	TEMPORARY FLAGS INCIDENTAL
98	R5-1(2S)	--	30	x	30	6.250	--	--	1	--	--	--	--	DO NOT PLACE BEHIND STOP SIGN
99	--	NO PARKING DURING SCHOOL…	--	x	--	--	--	--	1	--	--	1	--	--
100	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
101	R3-1(2S)	--	24	x	24	4.000	--	--	1	--	--	--	--	--
102	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
103	R2-1(2S)	25 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--
104	NOT USED	--	--	x	--	--	--	--	--	--	--	--	--	--
105	NOT USED	--	--	x	--	--	--	--	--	--	--	--	--	--
106	D1-62	CTH R BUSHNELL RD [A] BUSHNELL RD	144	x	48	48.000	--	--	--	4	--	--	--	--
107	W2-6(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
108	W13-1(2S)	15 MPH	18	x	18	--	2.250	--	--	--	--	--	107	--
109	--	NO PARKING DURING SCHOOL…	--	x	--	--	--	1	1	--	--	1	--	--
110	S1-1	--	--	x	--	--	--	1	1	--	--	1	--	--
111	S16-7L	--	--	x	--	--	--	--	--	--	--	1	110	--
112	--	NO PARKING DURING SCHOOL…	--	x	--	--	--	1	1	--	--	1	--	--
113	S1-1	--	--	x	--	--	--	1	1	--	--	1	--	--
114	S16-9P	--	--	x	--	--	--	--	--	--	--	1	113	--
115	--	NO PARKING DURING SCHOOL…	--	x	--	--	--	--	1	--	--	1	--	--
116	NOT USED	--	--	x	--	--	--	--	--	--	--	--	--	--

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
117	--	NO PARKING DURING SCHOOL...	--	x	--	--	--	--	1	--	--	1	--	--
118	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
119	W16-9P(2S)	--	24	x	12	--	2.000	--	--	--	--	--	118	--
120	D1-62	BUSHNELL RD [A] MCCANNA PKWY	144	x	72	72.000	--	--	--	4	--	--	--	--
121	W6-3(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
122	W2-6(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
123	W13-1(2S)	15 MPH	18	x	18	--	2.250	--	--	--	--	--	122	--
124	MR2-1(2S)	--	21	x	15	2.188	--	--	1	--	--	--	--	--
125	MR1-99(2S)	--	24	x	24	4.000	--	--	--	--	--	--	124	--
126	MR6-1(2S)	--	21	x	21	3.063	--	--	--	--	--	--	124	--
127	R2-1(2S)	35 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--
128	--	GROSS WEIGHT LIMIT 10 TONS...	--	x	--	--	--	--	--	--	--	1	127	--
129	MR1-99(2S)	--	24	x	24	4.000	--	--	1	--	--	--	--	--
130	MR4-53(2S)	R42	24	x	8	1.333	--	--	--	--	--	--	129	--
131	MR5-53(2S)	NEXT 5.71 MILES	24	x	8	1.333	--	--	--	--	--	--	129	--
132	W3-1(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
133	MR4-6(2S)	--	24	x	12	2.000	--	--	1	--	--	--	--	--
134	MR1-99(2S)	--	24	x	24	4.000	--	--	--	--	--	--	133	--
135	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
136	R2-1(2S)	45 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--
137	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
138	W2-1L(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
139	J1-3(2S)	--	72	x	39	19.500	--	--	2	--	--	--	--	--
	M2-1	--	21	x	15									
	M1-6	STH 11	24	x	24									
	M2-1	--	21	x	15									
	M1-6	STH 36	24	x	24									
	M2-1	--	21	x	15									
	M1-6	STH 83	24	x	24									
140	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
141	J2-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-4	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M5-1L	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M5-1L	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M5-1L	--	21	x	21									
142	W1-6(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
143	D1-2	[A] KENOSHA	78	x	30	16.250	--	--	2	--	--	--	--	--
		MILWAUKEE [A]												
144	R2-1(2S)	45 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLC H [SF]	637.2230 SIGNS TYPE II REFLC F [SF]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
145	J4-2(2S)	--	48	x	36	12.000	--	--	1	--	--	--	--	--
	M4-6	--	24	x	12									
	M1-6	STH 142	24	x	24									
	M1-5A	CTH R	24	x	24									
146	J1-1(2S)	--	24	x	36	6.000	--	--	1	--	--	--	--	--
	M4-6	--	24	x	12									
	M1-5A	CTH R	24	x	24									
147	J3-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-4	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M6-1	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M6-1	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M6-1	--	21	x	21									
148	W1-7(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
149	J3-1(2S)	--	24	x	57	9.500	--	--	1	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 142	24	x	24									
	M6-1	--	21	x	21									
150	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
151	R5-1(3)	--	36	x	36	9.000	--	--	1	--	--	--	--	--
152	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
153	R4-7(2S)	--	24	x	30	5.000	--	--	1	--	--	--	152	BEHIND SIGN #152 - MOUNT WITHIN EDGES
154	W1-11R(2M)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
155	W13-1(3)	25 MPH	24	x	24	--	4.000	--	--	--	--	--	154	--
156	J3-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-4	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M6-1	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M6-1	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M6-1	--	21	x	21									

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
157	J2-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M5-1R	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M5-1R	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M5-1R	--	21	x	21									
158	W5-52R(2S)	--	12	x	36	--	3.000	--	1	--	--	--	--	4 FT MOUNTING HEIGHT
159	W5-52L(2S)	--	12	x	36	--	3.000	--	1	--	--	--	--	4 FT MOUNTING HEIGHT
160	W5-52L(2S)	--	12	x	36	--	3.000	--	1	--	--	--	--	4 FT MOUNTING HEIGHT
161	W5-52R(2S)	--	12	x	36	--	3.000	--	1	--	--	--	--	4 FT MOUNTING HEIGHT
162	D1-1	[A] BURLINGTON	78	x	15	8.125	--	--	2	--	--	--	--	--
163	D1-2	[A] KENOSHA	78	x	30	16.250	--	--	2	--	--	--	--	--
		MILWAUKEE [A]												
164	J2-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-4	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M5-1R	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M5-1R	--	21	x	21									
	M3-3	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M5-1R	--	21	x	21									
165	W1-2R(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
166	J3-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M6-1	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M6-1	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M6-1	--	21	x	21									
167	W1-11R(2M)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
168	W13-1(3)	25 MPH	24	x	24	--	4.000	--	--	--	--	--	167	--
169	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
170	R4-7(2S)	--	24	x	30	5.000	--	--	--	--	--	--	169	BACK OF SIGN #169 - MOUNT WITHIN EDGES
171	R5-1(3)	--	36	x	36	9.000	--	--	1	--	--	--	--	--
172	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
173	J3-1(2S)	--	24	x	57	9.500	--	--	1	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 142	24	x	24									
	M6-1	--	21	x	21									
174	J4-1(2S)	--	24	x	36	6.000	--	--	1	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 142	24	x	24									
175	W1-7(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
176	J3-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M6-1	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M6-1	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M6-1	--	21	x	21									
177	R59-51(2S)	--	36	x	36	9.000	--	--	1	--	--	--	--	--
178	D1-2	[A] BURLINGTON	78	x	30	16.250	--	--	2	--	--	--	--	--
		[A] MILWAUKEE												
179	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
180	W1-7(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
181	W1-6(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
182	J2-3(2S)	--	72	x	57	28.500	--	--	2	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 11	24	x	24									
	M5-1L	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 36	24	x	24									
	M5-1L	--	21	x	21									
	M3-1	--	24	x	12									
	M1-6	STH 83	24	x	24									
	M5-1L	--	21	x	21									
183	W1-2R(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
184	R2-1(2S)	55 MPH	24	x	30	5.000	--	--	1	--	--	--	--	--
185	R2-1(3)	45 MPH	36	x	48	12.000	--	--	1	--	--	--	--	--
186	J1-1(2S)	--	72	x	39	19.500	--	--	2	--	--	--	--	--
	M2-1	--	21	x	15									
	M1-6	STH 11	24	x	24									
	M2-1	--	21	x	15									
	M1-6	STH 36	24	x	24									
	M2-1	--	21	x	15									
	M1-6	STH 83	24	x	24									

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
187	W1-6(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
188	W3-5(2S)	45 MPH	36	x	36	--	9.000	--	1	--	--	--	--	--
189	W1-2L(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
190	W1-2L(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
191	W1-2R(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
192	W2-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
193	MR2-1(2S)	--	21	x	15	2.188	--	--	1	--	--	--	--	--
194	MR1-99(2S)	--	24	x	24	4.000	--	--	--	--	--	--	193	--
195	MR6-1(2S)	--	21	x	21	3.063	--	--	--	--	--	--	193	--
196	D1-1	WHEATLAND RD [A]	90	x	15	9.375	--	--	2	--	--	--	--	--
197	W1-7(2S)	--	48	x	24	--	8.000	--	1	--	--	--	--	--
198	MR1-99(2S)	--	24	x	24	4.000	--	--	1	--	--	--	--	--
199	MR4-53(2S)	R42	24	x	8	1.333	--	--	--	--	--	--	198	--
200	MR5-53(2S)	NEXT 5.71 MILES	24	x	8	1.333	--	--	--	--	--	--	198	--
201	--	GROSS WEIGHT LIMIT 10 TONS...	--	x	--	--	--	--	--	--	--	1	198	--
202	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
203	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
204	MR2-1(2S)	--	21	x	15	2.188	--	--	1	--	--	--	--	--
205	MR1-99(2S)	--	24	x	24	4.000	--	--	--	--	--	--	204	--
206	MR6-1(2S)	--	21	x	21	3.063	--	--	--	--	--	--	204	--
207	D1-1	[A] WHEATLAND RD	90	x	15	9.375	--	--	2	--	--	--	--	--
208	W14-1(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
209	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
210	--	NEIGHBORHOOD WATCH	--	x	--	--	--	--	1	--	--	1	--	MOVE TO SEPARATE POST
211	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
212	W14-3(2S)	--	48	x	36	--	6.000	--	1	--	--	--	--	--
213	W14-1(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
214	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
215	R1-1(2S)	--	30	x	30	5.180	--	--	1	--	--	--	--	--
216	J1-1(2S)	--	24	x	39	6.500	--	--	1	--	--	--	--	--
	M2-1	--	21	x	15									
	M1-5A	CTH J	24	x	24									
217	W3-1(3)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
218	W3-1(3)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
219	R59-51(2S)	--	36	x	36	9.000	--	--	1	--	--	--	--	--
220	I55-56	--	--	x	--	--	--	1	1	--	--	1	--	--
221	J4-1(2S)	--	24	x	36	6.000	--	--	1	--	--	--	--	--
	M3-4	--	24	x	12									
	M1-6	STH 142	24	x	24									
222	D1-1	RACINE CO	60	x	15	6.250	--	--	2	--	--	--	--	--

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
223	J3-2(2S)	--	48	x	57	19.000	--	--	1	--	--	--	--	--
	M3-1	--	24	x	12									
	M1-5A	CTH J	24	x	24									
	M6-1	--	21	x	21									
	M3-3	--	24	x	12									
	M1-5A	CTH J	24	x	24									
	M6-1	--	21	x	21									
224	R5-1(2S)	--	30	x	30	6.250	--	--	1	--	--	--	--	DO NOT PLACE BEHIND STOP SIGN
225	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
226	J13-1(2S)	--	24	x	45	7.500	--	--	1	--	--	--	--	--
	M1-6	STH 142	24	x	24									
	M6-4	--	21	x	21									
227	J4-1(2S)	--	24	x	36	6.000	--	--	1	--	--	--	--	--
	M3-1	--	24	x	12									
	M1-5A	CTH J	24	x	24									
228	--	CLASS B WEIGHT LIMIT	--	x	--	--	--	1	1	--	--	1	--	--
229	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
230	R1-3P(2S)	--	18	x	6	0.750	--	--	--	--	--	--	229	--
231	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
232	R1-1(3)	--	36	x	36	7.460	--	--	--	--	--	--	--	MOUNT ON BEACON POLE
233	R1-3P(2S)	--	18	x	6	0.750	--	--	--	--	--	--	232	--
234	J3-2(2S)	--	48	x	57	19.000	--	--	1	--	--	--	--	--
	M3-3	--	24	x	12									
	M1-5A	CTH J	24	x	24									
	M6-1	--	21	x	21									
	M3-1	--	24	x	12									
	M1-5A	CTH J	24	x	24									
	M6-1	--	21	x	21									
235	J4-1(2S)	--	24	x	36	6.000	--	--	1	--	--	--	--	--
	M3-2	--	24	x	12									
	M1-6	STH 142	24	x	24									
236	D1-1	KENOSHA CO	66	x	15	6.875	--	--	2	--	--	--	--	--
237	R5-1(2S)	--	30	x	30	6.250	--	--	1	--	--	--	--	DO NOT PLACE BEHIND STOP SIGN
238	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
239	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
240	R1-3P(2S)	--	18	x	6	0.750	--	--	--	--	--	--	239	--
241	J13-1(2S)	--	24	x	45	7.500	--	--	1	--	--	--	--	--
	M1-6	STH 142	24	x	24									
	M6-4	--	21	x	21									
242	J4-1(2S)	--	24	x	36	6.000	--	--	1	--	--	--	--	--
	M3-3	--	24	x	12									
	M1-5A	CTH J	24	x	24									

TYPE II PERMANENT SIGNING -

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]	638.3000 REM SMALL SIGN SUP [EA]	634.0618 WOOD POSTS 4"X 6"X18' [EA]	634.0622 WOOD POSTS 4"X 6"X22' [EA]	634.0814 TUBULAR STEEL POSTS 2"X2"X14' [EA]	638.2102 MOVE SIGNS TYPE II [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
243	R1-1(3)	--	36	x	36	7.460	--	--	1	--	--	--	--	--
244	R1-1(3)	--	36	x	36	7.460	--	--	--	--	--	--	--	MOUNT ON UPRIGHT
245	R1-3P(2S)	--	18	x	6	0.750	--	--	--	--	--	--	244	MOUNT ON UPRIGHT
246	R1-1(3)	--	36	x	36	7.460	--	--	--	--	--	--	--	MOUNT ON MAST ARM
247	I55-56	--	--	x	--	--	--	1	1	--	--	1	--	--
248	W11-7(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	--
249	R7-1R(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
250	R7-1L(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
251	W3-1(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
252	W3-1(2S)	--	36	x	36	--	9.000	--	1	--	--	--	--	--
253	R7-1D(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
254	R7-1D(2S)	--	18	x	24	3.000	--	--	1	--	--	--	--	--
255	J1-1(2S)	--	24	x	39	6.500	--	--	1	--	--	--	--	--
	M2-1	--	21	x	15									
	M1-5A	CTH J	24	x	24									
256	R1-1	--	18	x	18	2.250	--	--	--	--	1	--	--	SHEET 2
257	W3-1	--	18	x	18	--	2.250	--	1	--	1	--	--	SHEET 2
258	W11-2(2S)		30	x	30	--	6.250	--	1	--	--	--	--	SHEET1
259	W16-9P(2S)	--	24	x	12	--	2.000	--	--	--	--	--	258	SHEET 1
260	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	SHEET 1
261	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	260	SHEET 1
262	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	SHEET 1
263	W16-7L(2S)	--	24	x	12	--	2.000	--	--	--	--	--	262	SHEET 1
264	W11-2(2S)	--	30	x	30	--	6.250	--	1	--	--	--	--	SHEET 2
265	W16-9P(2S)	--	24	x	12	--	2.000	--	--	--	--	--	264	SHEET 2
266	R1-1	--	18	x	18	2.250	--	--	--	--	1	--	--	SHEET 5
267	R1-1	--	18	x	18	2.250	--	--	--	--	1	--	--	SHEET 5
--	--	--	--	x	--	--	--	--	--	--	--	--	--	--
	TOTALS					1305.823	497.500	10 *	187	12	35	21		

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PERMANENT SIGNING QUANTITIES	SHEET:	E

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 3370-05-20

CITY OF BURLINGTON

CTH J TO EDGEWOOD STREET

STH 142

RACINE COUNTY

CONVENTIONAL ABBREVIATIONS

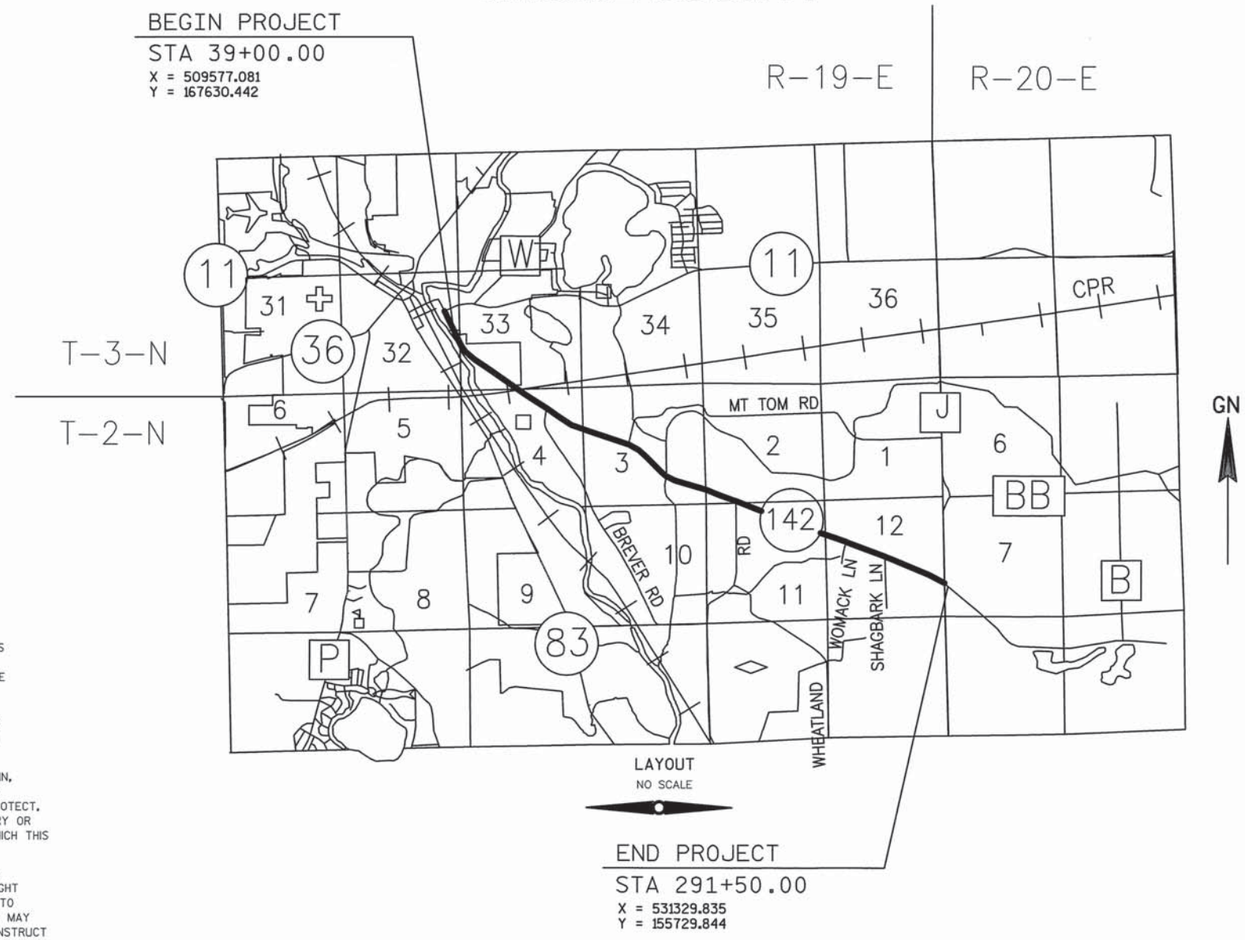
ACCESS POINT/ DRIVEWAY CONNECTION	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	RELEASE OF RIGHTS	ROR
ACRES	AC.	REMAINING	REM.
AND OTHERS	ET.AL.	RIGHT-OF-WAY	R/W
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	DOC.	VOLUME	V.
EASEMENT	EASE.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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LE (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		RESTRICTED ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		RESTRICTED ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB20	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21-1	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD TRANSMISSION LINES ELECTRIC	OH	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		●
TELEPHONE POLE		●
TELEPHONE PEDESTAL		▪
ELECTRIC TOWER	⊠	



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 142 ESTABLISHED FROM PREVIOUS PROJECTS 3370-00-20, 3370-01-21 AND EXISTING SUBDIVISIONS AND CERTIFIED SURVEY MAPS.

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

A **PERMANENT LIMITED EASEMENT** (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE 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. BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENT ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

A **HIGHWAY EASEMENT** (HE) IS AN EASEMENT FOR HIGHWAY PURPOSES, AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE.

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

ORIGINAL PLAT PREPARED BY
R.A. Smith National
Beyond Surveying and Engineering
16745 W. Bluemound Road, Brookfield WI 53005
262-781-1000 Fax 262-781-8466
www.rasmithnational.com

TPP PROJECT NUMBER 3370-05-20 - 4.00
SHEET 2 OF 2

FILE NAME:S/5165166/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

3370-05-20 - 4.00

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.01

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 32, AND THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 33, TOWN OF BURLINGTON, ALL IN TOWNSHIP 3 NORTH, RANGE 19 EAST, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCALE, FEET
0 50 100

GN

LOCATION MAP
NOT TO SCALE

PROJECT LOCATION

SHEET LOCATION

R/L STH-142
CURVE DATA
PI = 48+88.25
Y = 166,727.10
X = 509,977.82
DELTA = 30°31'05"
BACK = N23°50'36"W
AHEAD = S54°21'42"E
D = 4°54'30"
TAN = 318.44'
L = 621.76'
R = 1,167.31'
CB = N39°06'09"W
C = 614.43'

This is a copy.
The original is at the Register Of Deeds office.

CONCRETE MONUMENT WITH BRASS CAP
N=167639.79
E=509792.41

T 3 N
R 19 E
32 33

TOWN OF BURLINGTON

CITY OF BURLINGTON

ORIGINAL PLAT OF BURLINGTON

UNPLATTED LANDS

BUILDING EXEMPT FROM TLE

TLE, SLOPES & SIDEWALK (2)

SE-NE

NW-SW

NE-SE

S89°55'14"E 2641.85' 183.42' TO R/W

39+12.43 50'

39+04.59 33'

39+94.13 33' EX604 50.01'

41.65'

N25°08'12"W 575.82'

S23°50'36"E 361.15'

STA=38+89.37

36.34'

S24°40'28"E 89.71'

R/L= S24°40'28"E 104.75'

PI 39+94.13

33' PL

R/L=S23°50'36"E 435.60'

575.68'

81.66'

44+29.73

R/L=S23°50'36"E 140.08'

S23°50'36"E 214.77'

PC 45+69.81

N89°55'47"E

45+63.81 33' EX605 63'

N89°55'47"E 2644.80'

WITNESS MONUMENT CONCRETE MONUMENT WITH BRASS CAP
N=164995.04
E=509709.63

S89°58'11"E 83.08'

COMPUTED
N=164994.99
E=509792.71

UNPLATTED LANDS

TOWN OF BURLINGTON

CONCRETE MONUMENT WITH BRASS CAP
N=167643.46
E=507150.56

LOT#	PARCEL#
2	002-03-19-33-006-000
	002-03-19-33-017-000
3	002-03-19-33-010-000

S85°27'30"E 35.00'
S04°32'30"W 41.25'
N04°32'30"E 41.25'
48+99.63 515.73'
49+50 486.14'
49+95.47 509.49'
49+45.36 540.18'
49+74.45 396.62'
50+22.10 381.91'
49+12.01 288.17'
N69°58'25"E 117.04'
S69°58'25"W 117.04'
49+54.88 275.25'
48+95.88 213.24'
49+38.71 213.47'
C3 C4 C5 C6 C

10' WEPCO EASEMENT DOC.1041929 V.1480 P.469 PARCEL 3

TLE, SLOPES & SIDEWALK (3)

EX606 33' 63'

51+91.57 PT 51+91.57

48+99.87 63'
N48°42'55"E 150.28'
S48°42'55"W 150.48'
49+36.86 63'

30'
C2 C7 C1
48 50 52 54
33' PL
R/L= S54°21'42"E 208.43'
S54°21'42"E 208.43'
S35°38'18"W 33.00'
MATCH LINE SEE SHEET 4.02

STH-142

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF THIS DOCUMENT.

(83) WE ENERGIES - ELECTRIC

NON DESCRIPT EASEMENT DOC.242515 V.165 P.102 PARCEL 2

NON DESCRIPT EASEMENT DOC.392580 V.299 P.85 PARCEL 2

NON DESCRIPT EASEMENT DOC.392581 V.299 P.86 PARCEL 3

10' WEPCO EASEMENT DOC.1041929 V.1480 P.469 PARCEL 3

NON DESCRIPT EASEMENT DOC.242505 V.165 P.96 PARCEL 3

NO RECORD OF EASEMENT PARCELS 2 & 3

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
			-	-	-	-	-
2	TOWN OF BURLINGTON	FEE, TLE	-	0.493	0.493	0.339	-
3	COUNTY OF RACINE	FEE, TLE	-	0.639	0.639	0.957	-

PI	NORTHING	EASTING
39+94.13	167,544.91	509,616.38

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	ORIGINAL PLAT OF BURLINGTON	66'	1839

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

CURVE TABLE

CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	604.18	1134.31	S39°06'09"E	597.06
C2	312.24	1104.31	S31°56'37"E	311.21
C3	76.43	206.00	N59°20'40"E	75.99
C4	95.93	84.00	N37°15'28"E	90.80
C5	135.90	119.00	S37°15'28"W	128.63
C6	63.45	171.00	S59°20'40"W	63.08
C7	240.48	1104.31	S48°06'39"E	240.48

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.01 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

Nathan A Vaughn 03/10/15
NATHAN A. VAUGHN DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Duffeck — Robert L Duffeck 03/10/15
PRINTED NAME — SIGNATURE — DATE:

DOCUMENT # 2403705
RACINE COUNTY REGISTER OF DEEDS
March 30, 2015 8:41 AM
TYSON FETTES
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $30.00
Pages: 1
Vol 1 Pg 275

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.01
AMENDMENT NO: ___

FILE NAME:S/5165166/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

3370-05-20 - 4.01

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.02

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4, THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 33, TOWNSHIP 3 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE

SCALE, FEET
0 50 100

GN

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.02 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
NATHAN A. VAUGHN
S-2986
JOHNSON CREEK, WI
LAND SURVEYOR

NATHAN A. VAUGHN — 3/31/2015
NATHAN A. VAUGHN — DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

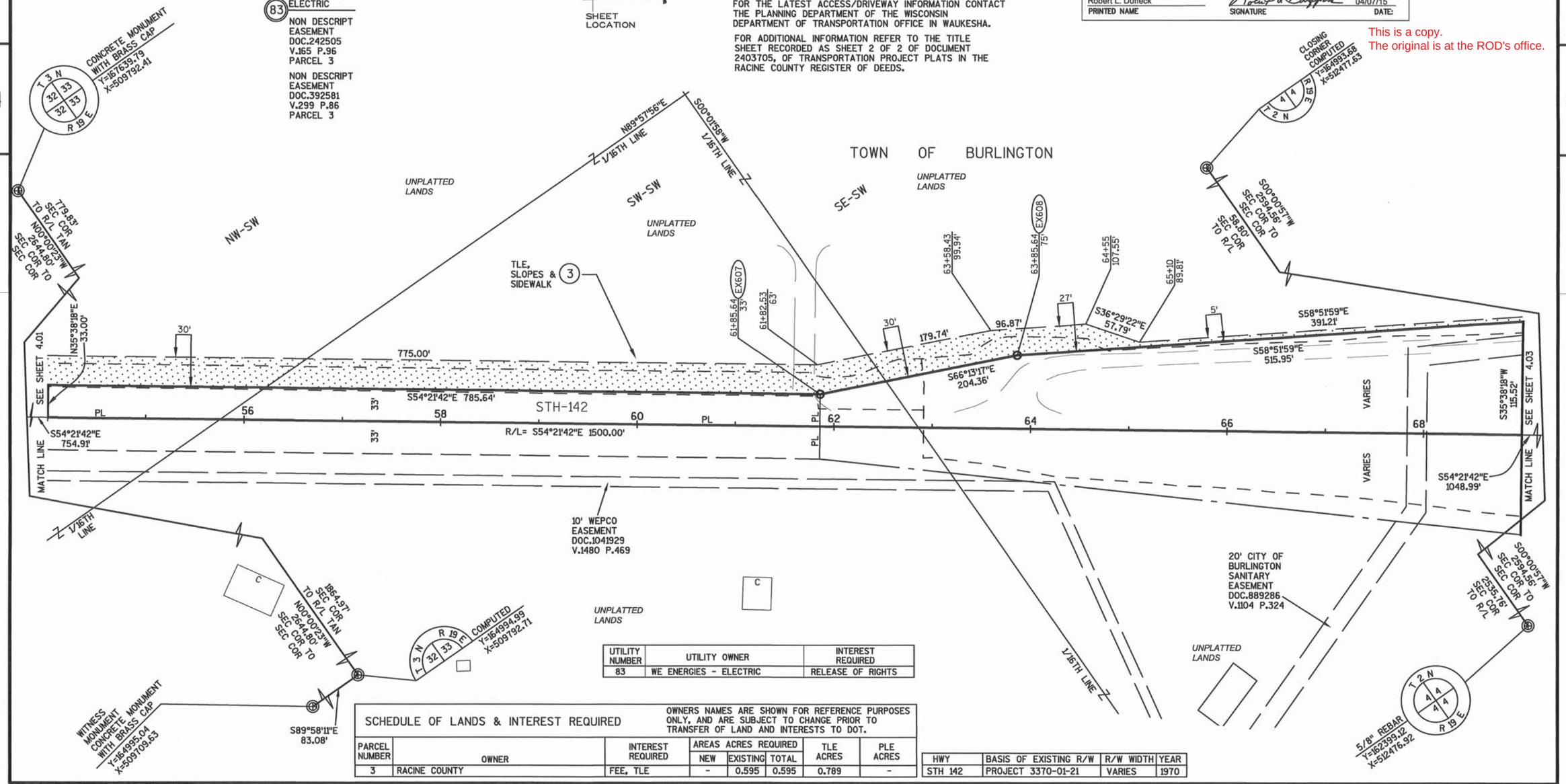
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Dufffeck — 04/07/15
PRINTED NAME — SIGNATURE — DATE:

DOCUMENT # 2404558
RACINE COUNTY REGISTER OF DEEDS
April 09, 2015 9:33 AM
TYSON FETTES
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.02
AMENDMENT NO:___

This is a copy.
The original is at the ROD's office.



UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
3	RACINE COUNTY	FEE, TLE	-	0.595	0.595	0.789	-

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	PROJECT 3370-01-21	VARIES	1970

FILE NAME:S/5165166/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

3370-05-20 - 4.02

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.03

THAT PART OF OUTLOT 1, CSM 2649, BEING A PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 33, CITY OF BURLINGTON, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, AND THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 33, TOWN OF BURLINGTON, ALL IN TOWNSHIP 3 NORTH, RANGE 19 EAST, ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4, AND THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 4, TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	PROJECT 3370-01-21	VARIES	1970

LOCATION MAP
NOT TO SCALE

SHEET LOCATION

PROJECT LOCATION

TLE, SLOPES

WITNESS MONUMENT CONCRETE MON WITH BRASS CAP Y=167649.39 X=512461.76

COMPUTED Y=167644.39 X=512461.81

T 3 N R 19 E

N00°36'05"W 5.00'

MCCANNA PARKWAY

MATCH LINE SEE SHEET 4.04

S00°04'19"W 2650.81' SEC COR TO SEC COR

N00°04'19"E 73.02'

N88°38'59"E 4.00'

CLOSING CORNER COMPUTED Y=164993.68 X=512477.63

T 2 N R 19 E

OUTLOT 1
CSM 2649
DOC.1993627
V.8 P.365

CITY OF BURLINGTON

TOWN OF BURLINGTON

SE-SW

NW-NE

SW-SE

NE-NW

WHITE RIVER STATE TRAIL

TLE, SLOPES & SIDEWALK

CONCRETE MONUMENT WITH BRASS CAP Y=165006.26 X=515098.87

N89°43'30"E 2621.27' SEC COR TO SEC COR

S89°43'30"W 19.14' SEC COR TO SEC COR

S54°21'42"E 501.89'

S54°21'42"E 228.89'

S54°21'42"E 212.71'

S54°21'42"E 948.19'

S54°21'42"E 451.00'

S54°21'42"E 100.81' SEC LN TO SEC LN

N54°21'42"W 99.46'

N54°21'42"W 456.13'

N54°21'42"W 384.37'

N54°21'42"W 210.63'

S54°23'45"E 55.16'

S38°02'29"E 165.78'

S58°51'59"E 184.32'

S54°21'42"E 169.57'

S35°38'18"W 25.00'

S35°38'18"W 12.00'

S35°38'18"W 31.45'

S35°38'18"W 93.00'

N35°38'18"E 115.52'

N35°38'18"E 101.76'

N48°51'50"W 86.04'

S89°58'11"E 83.08'

S83°04'03"W 189.28'

S83°04'03"W 2665.78'

N83°04'03"E 66.50'

N83°04'03"E 99.00'

S06°51'10"E 99.00'

N83°04'03"E

N73°54'58"W 80.67'

N24°35'03"E 22.43'

N35°38'18"E 138.05'

N46°34'25"E 46.00'

N58°16'02"E 36.10'

SEE SHEET 4.02

MATCH LINE SEE SHEET 4.05

SAN

F0

PL

EX609 70+83.75 130' 135'

EX610 EX611 75+85.64 105' 130'

RW613 77+63.94 150.17'

RW612 77+55.21 105'

RW615 77+73.53 205.51'

RW614 77+77.83 183.49'

RW616 77+31.06 264.90'

RW617 77+34.26 267.31'

EX618 78+89.98 163'

HE619 79+56.85 90'

EX620 81+85.74 90'

RW621 83+44.84 43.41'

RW622 78+05 93'

RW623 77+28.98 120'

EX625 74+41.77 248.05'

EX626 74+41.77 110'

EX627 69+85.64 110'

HE624 75+81.16 120'

75+71.84 145'

76+42.01 116.13'

76+04.03 169.24'

77+57.68 198.45'

77+17.48 254.67'

74+00 135' 145'

79+52.58 220.50'

80+19.45 147.50'

83+10.75 53.39'

83+90 53.44' 58.44'

78+48.49

79+49

79+70 93' 110'

78+01.95 110'

77+24.83 137.39'

76+49.55 192.97'

76+56.32 200.33'

74+23.38 400.73'

73+54.90 327.85'

5/8" REBAR Y=16239912 X=512476.92

T 2 N R 19 E

WITNESS MONUMENT CONCRETE MONUMENT WITH BRASS CAP Y=164995.04 X=509709.63

COMPUTED Y=164994.99 X=509792.71

CONCRETE MONUMENT WITH BRASS CAP Y=164993.59 X=512458.49

T 3 N R 19 E

T 3 N R 19 E

T 3 N R 19 E

T 2 N R 19 E

SCALE, FEET
0 50 100

(84) CITY OF BURLINGTON
20' SANITARY EASEMENT
CSM 2649
DOC.1993627 &
DOC.889305
V.1104 P.363
PARCEL 4

(85) AT&T WISCONSIN
12' EASEMENT
DOC.1699274
V.2955 P.711
PARCEL 4

(83) WE ENERGIES - ELECTRIC
NON DESCRIPT EASEMENT DOC.242509 V.165 P.99 PARCEL 4
NON DESCRIPT EASEMENT DOC.242508 V.165 P.98 PARCEL 6
40' EASEMENT DOC.1633796 V.2781 P.128 PARCEL 6
33' ACCESS EASEMENT DOC.382926 V.287 P.124 PARCEL 6
NON DESCRIPT EASEMENT DOC.726293 V.715 P.71 PARCEL 6
20' EASEMENT DOC.878590 V.1077 P.312 PARCEL 6
12' EASEMENT DOC.1699274 V.2955 P.711 PARCEL 4

(86) WE ENERGIES - GAS
NO RECORD OF EASEMENT PARCEL 5

(87) MIDWEST FIBER
NO RECORD OF EASEMENT PARCEL 4, 5 & 6

NO RECORD OF EASEMENT PARCELS 5 & 6

NON-DESCRIPT TRAIL EASEMENT DOC.2163867 PARCEL 5

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
84	CITY OF BURLINGTON	RELEASE OF RIGHTS
85	AT&T WISCONSIN	RELEASE OF RIGHTS
86	WE ENERGIES - GAS	RELEASE OF RIGHTS
87	MIDWEST FIBER	RELEASE OF RIGHTS

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
3	COUNTY OF RACINE	TLE	-	-	-	0.113	-
4	BURLINGTON AREA SCHOOL DISTRICT	FEE, TLE	0.113	-	0.113	0.253	-
5	WISCONSIN DEPT OF NATURAL RESOURCES	H.E., TLE	0.832	-	0.832	1.022	-
6	WARRENVILLE CORPORATION	FEE, TLE	0.024	0.010	0.034	0.134	-

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.03 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

5/21/2015
NATHAN A. VAUGHN
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Dufffeck — 05/21/15
PRINTED NAME — SIGNATURE — DATE:

This is a copy. The original is at the Register Of Deeds Office.

Document #: **2408995**
Date: 06-03-2015 Time: 12:46:00 PM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.03
AMENDMENT NO:___

FILE NAME:S/5165166/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

3370-05-20 - 4.03

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.04

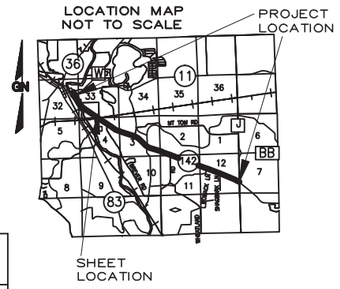
THAT PART OF PARCEL 1, CSM 2649, BEING A PART OF THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 33, CITY OF BURLINGTON, ALSO THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 33, TOWN OF BURLINGTON, ALL IN TOWNSHIP 3 NORTH, RANGE 19 EAST, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE



SCALE, FEET
0 50 100

N GN

PI	Y COORDINATE	X COORDINATE
9+01.15	165,028.52	512,347.00

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	120.01	220.00	N15°37'37"E	118.52
C2	9.11	220.00	N32°26'25"E	9.11

TOWN OF BURLINGTON

UNPLATTED LANDS

R/L MCCANNA PKWY
CURVE DATA
PI = 10+10.82
Y = 165,105.68
X = 512,421.06
DELTA = 30°08'19"
BACK = S35°38'18"W
AHEAD = N33°37'36"E
D = 47°44'47"
TAN = 32.31'
L = 63.12'
R = 120.00'

R/L MCCANNA PKWY
CURVE DATA
PI = 11+34.94
Y = 165,210.28
X = 512,490.63
DELTA = 33°37'37"
BACK = S33°37'36"W
AHEAD = N00°00'00"W
D = 26°02'37"
TAN = 66.48'
L = 129.12'
R = 220.00'

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.04 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

3/31/2015
NATHAN A. VAUGHN — DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Duffeck — PRINTED NAME
04/07/15 — SIGNATURE — DATE:

Document #: **2404627**
Date: 04-10-2015 Time: 09:10:00 AM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.04
AMENDMENT NO:___

This is a copy.
The original is at the ROD's office.

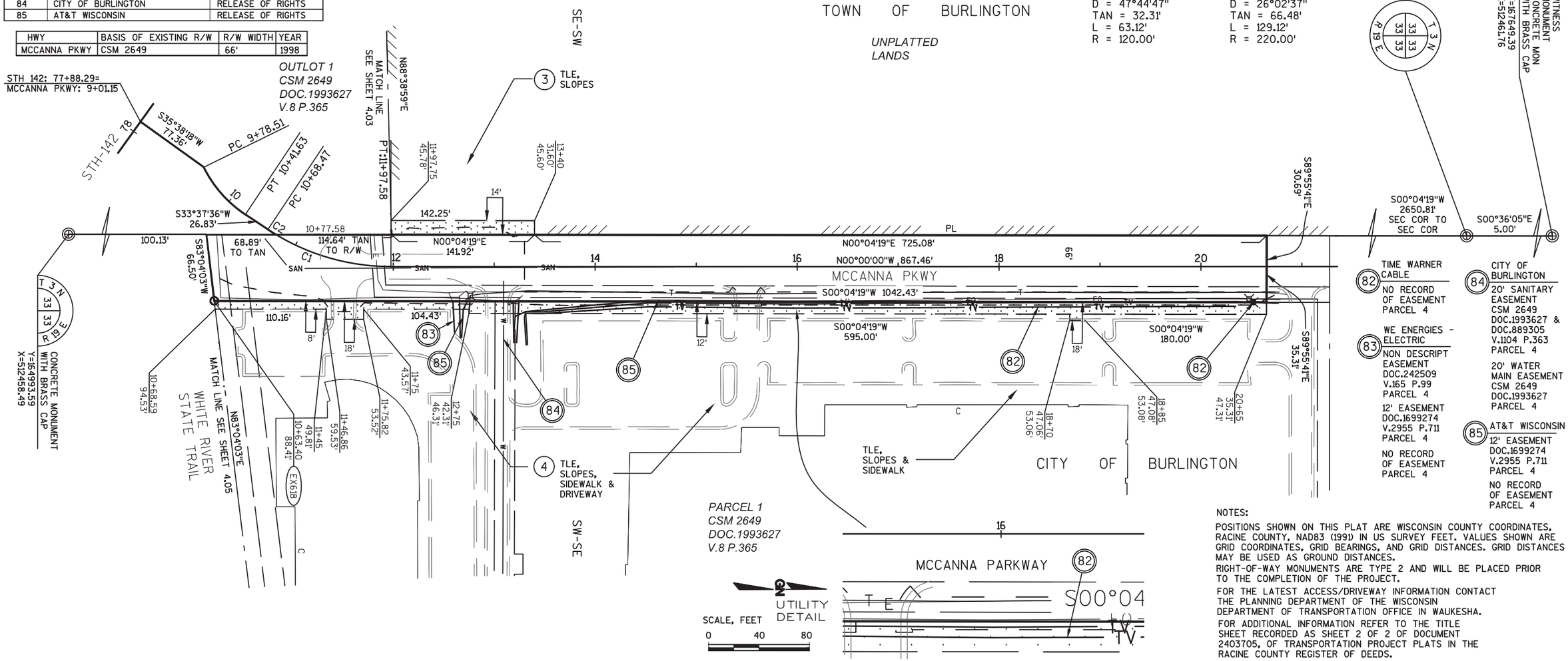
SCHEDULE OF LANDS & INTEREST REQUIRED

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
3	COUNTY OF RACINE	TLE	-	-	-	0.046	-
4	BURLINGTON AREA SCHOOL DISTRICT	TLE	-	-	-	0.274	-

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
82	TIME WARNER CABLE	RELEASE OF RIGHTS
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
84	CITY OF BURLINGTON	RELEASE OF RIGHTS
85	AT&T WISCONSIN	RELEASE OF RIGHTS

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
MCCANNA PKWY	CSM 2649	66'	1998



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.05

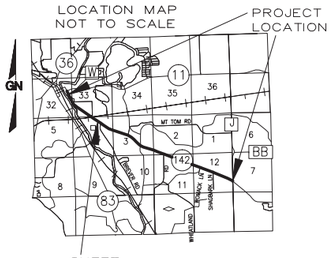
THAT PART OF LOT 1, CSM 2248, AND ALSO THAT PART OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHEAST 1/4 OF THE NORTHEAST 1/4, SECTION 4, TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE



HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	CSM 2248	66'	2000
STH 142	PROJECT 3370-01-21	VARIES	1970
BREVER RD	CSM 2248	66'	2000

PI	Y COORDINATE	X COORDINATE
95+00.00	164,031.16	513,738.13
13+95.94(BR)	164144.34	513580.28

R/L BREVER RD
CURVE DATA
PI = 11+91.30
Y = 163,975.04
X = 513,462.66
DELTA = 23°41'25"
BACK = S11°05'55"W
AHEAD = N34°47'20"E
D = 22°55'06"
TAN = 52.43'
L = 103.37'
R = 250.00'

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	87.66	212.00	S22°56'37"W	87.03

(83) WE ENERGIES - ELECTRIC
NON DESCRIPT EASEMENT DOC.242508 V.165 P.98 PARCELS 6 & 7
NON DESCRIPT EASEMENT DOC.726293 V.715 P.71 PARCEL 6
NON DESCRIPT EASEMENT DOC.242504 V.165 P.96 PARCEL 8
NON DESCRIPT EASEMENT DOC.242506 V.165 P.97 PARCEL 9
NO RECORD OF EASEMENT PARCELS 6 & 7

(80) TDS TELECOM
16.5' EASEMENT DOC.2022846 PARCEL 7
16.5' EASEMENT DOC.2022851 PARCEL 7
16.5' EASEMENT DOC.2022852 PARCEL 8
16.5' EASEMENT DOC.2037044 PARCEL 9
16.5' EASEMENT DOC.2022847 PARCEL 9
NON DESCRIPT EASEMENT DOC.2022848 PARCEL 9
NO RECORD OF EASEMENT PARCELS 6 & 7

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.05 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

5/21/2015
NATHAN A. VAUGHN
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Dufffeck — 05/21/15
PRINTED NAME — SIGNATURE — DATE:

This is a copy. The original is at the Register Of Deeds Office.

Document #: **2408997**
Date: 06-03-2015 Time: 12:46:00 PM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

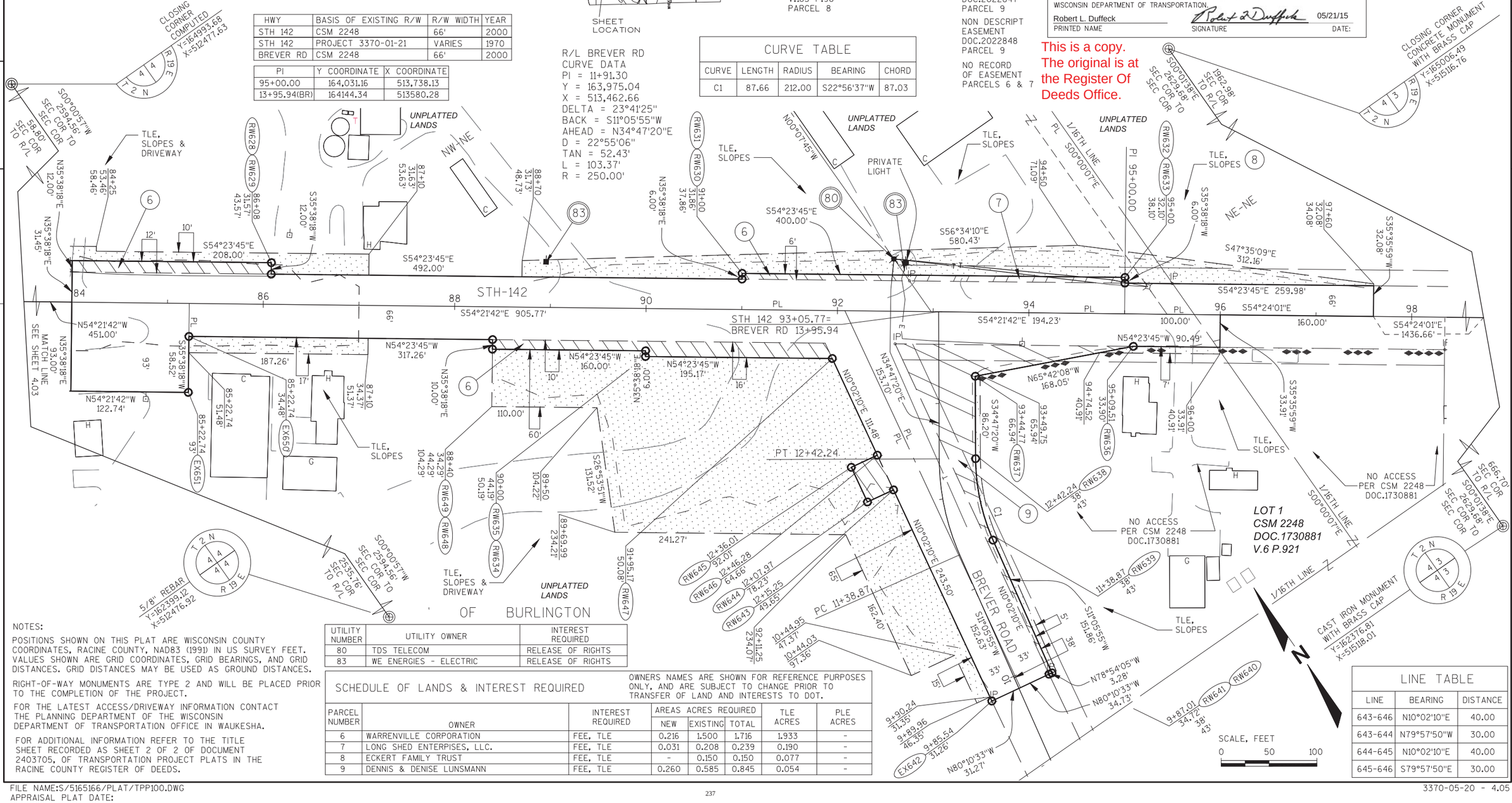
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.05
AMENDMENT NO:___

CLOSING CORNER COMPUTED Y=164993.68 X=512477.63

CLOSING CORNER CONCRETE MONUMENT WITH BRASS CAP Y=165006.49 X=515116.76

5/8" REBAR Y=162399.12 X=512476.92

CAST IRON MONUMENT WITH BRASS CAP Y=162376.81 X=515118.01



NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
6	WARRENVILLE CORPORATION	FEE, TLE	0.216	1.500	1.716	1.933	-
7	LONG SHED ENTERPISES, LLC.	FEE, TLE	0.031	0.208	0.239	0.190	-
8	ECKERT FAMILY TRUST	FEE, TLE	-	0.150	0.150	0.077	-
9	DENNIS & DENISE LUNSMANN	FEE, TLE	0.260	0.585	0.845	0.054	-

LINE TABLE		
LINE	BEARING	DISTANCE
643-646	N10°02'10"E	40.00
643-644	N79°57'50"W	30.00
644-645	N10°02'10"E	40.00
645-646	S79°57'50"E	30.00

FILE NAME:S/5165166/PLAT/TPP100.DWG
APPRAISAL PLAT DATE:

3370-05-20 - 4.05

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.06

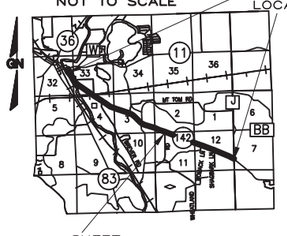
THAT PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4, SECTION 2, ALSO THAT PART OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4, SECTION 11, ALL IN TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE



SCALE, FEET
0 50 100

PI	Y COORDINATE	X COORDINATE
182+99.50	160,048.95	521,413.78

GN
N

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.06 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

3/31/2015
NATHAN A. VAUGHN DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Duffeck — 04/07/15
PRINTED NAME — SIGNATURE — DATE:

Document #: **2404675**
Date: 04-10-2015 Time: 11:10:00 AM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.06
AMENDMENT NO:___

This is a copy.
The original is at the ROD's office.

(80) TDS TELECOM
NON DESCRIPT EASEMENT DOC.1528262 V.2510 P.783 PARCEL 10
NON DESCRIPT EASEMENT DOC.1690190 V.2931 P.607 PARCEL 10
NON DESCRIPT EASEMENT DOC.945042 V.1236 P.572 PARCEL 11
NON DESCRIPT EASEMENT DOC.1675474 V.2892 P.792 PARCEL 10
NO RECORD OF EASEMENT PARCELS 10 & 11

(86) WE ENERGIES - GAS
NO RECORD OF EASEMENT PARCEL 13

(81) ANR PIPELINE
NON DESCRIPT EASEMENT DOC.545556 V.487 P.15 PARCEL 10
NON DESCRIPT EASEMENT DOC.545550 V.487 P.1 PARCELS 11, 12 & 13
NON DESCRIPT EASEMENT DOC.551950 V.494 P.24 PARCEL 12 & 13

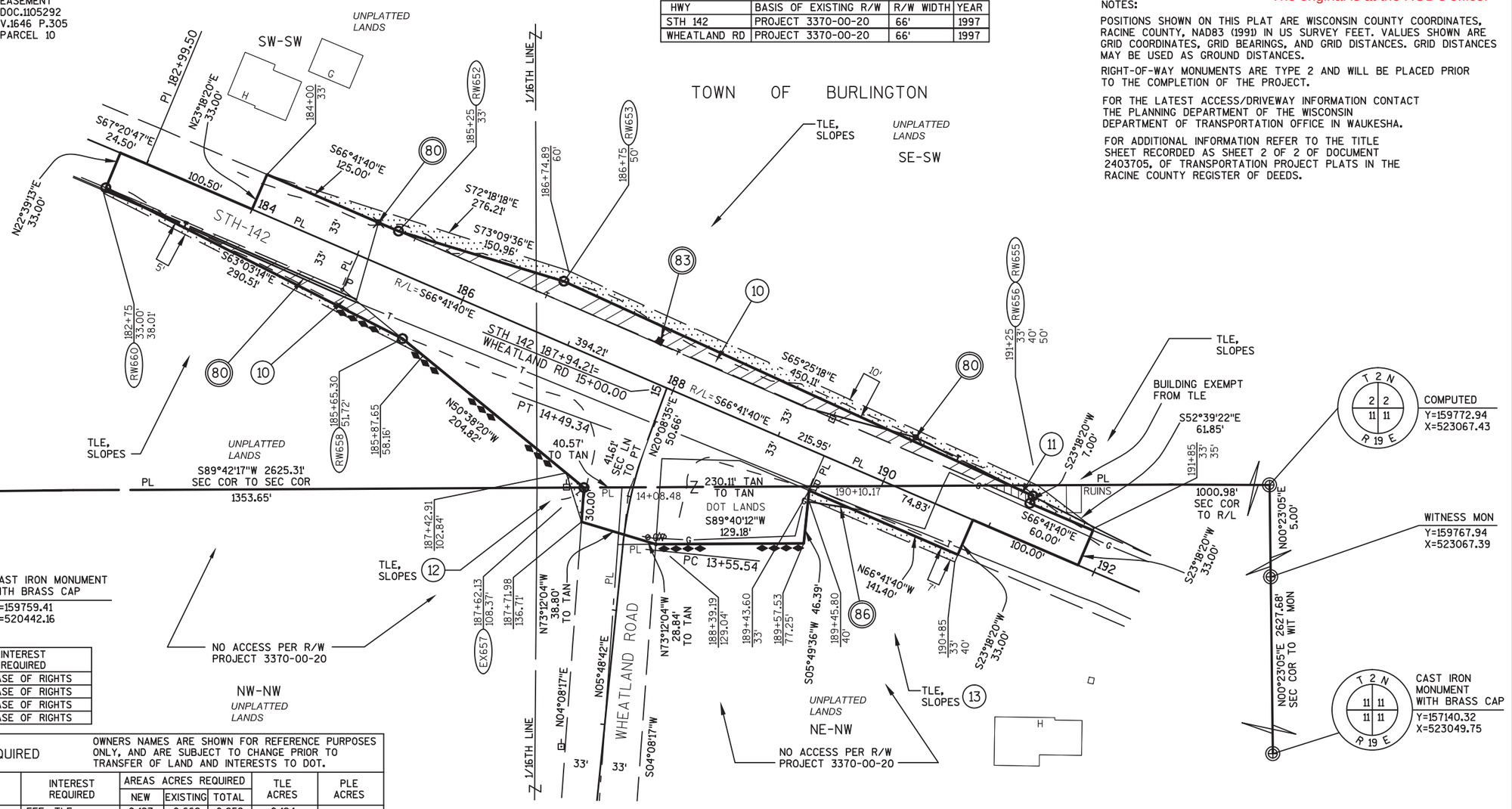
(83) WE ENERGIES - ELECTRIC
NON DESCRIPT EASEMENT DOC.242510 V.165 P.99 PARCEL 10
NON DESCRIPT EASEMENT DOC.242499 V.165 P.93 PARCELS 11, 12 & 13
NON DESCRIPT EASEMENT DOC.451025 V.371 P.593 PARCEL 12
NO RECORD OF EASEMENT PARCEL 10

NON DESCRIPT TILE DRAIN EASEMENT DOC.1105292 V.1646 P.305 PARCEL 10

R/L WHEATLAND RD
CURVE DATA
PI = 14+02.69
Y = 159,761.40
X = 521,834.45
DELTA = 14°19'53"
BACK = S05°48'42"W
AHEAD = N20°08'35"E
D = 15°16'44"
TAN = 47.14'
L = 93.80'
R = 375.00'

T 2 N
3 2
10 11
R 19 E
CAST IRON MONUMENT WITH BRASS CAP
Y=159759.41
X=520442.16

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	PROJECT 3370-00-20	66'	1997
WHEATLAND RD	PROJECT 3370-00-20	66'	1997



NOTES:

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RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
81	ANR PIPELINE	RELEASE OF RIGHTS
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
86	WE ENERGIES - GAS	RELEASE OF RIGHTS

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 ACRES REQUIRED			TLE ACRES	PLE ACRES
			NEW	EXISTING	TOTAL		
10	JEFFREY D. & PHYLLIS L. RICE	FEE, TLE	0.197	0.662	0.859	0.194	-
11	DONALD A. WARREN	FEE, TLE	0.005	0.104	0.109	0.016	-
12	WARREN G. KIMPEL ET AL	FEE, TLE	-	0.033	0.033	0.004	-
13	ROSE A. SKORA	FEE, TLE	-	0.085	0.085	0.023	-

FILE NAME:S/5165166/PLAT/TPP200.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.07

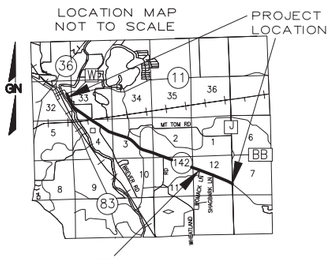
THAT PART OF LOT 1, CSM 1327, LOTS 1 AND 2, CSM 1731, AND ALSO THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4, SECTION 12, TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE



SCALE, FEET

0 50 100

N

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

5/21/2015
NATHAN A. VAUGHN DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Dufffeck — 05/21/15
PRINTED NAME — SIGNATURE — DATE:

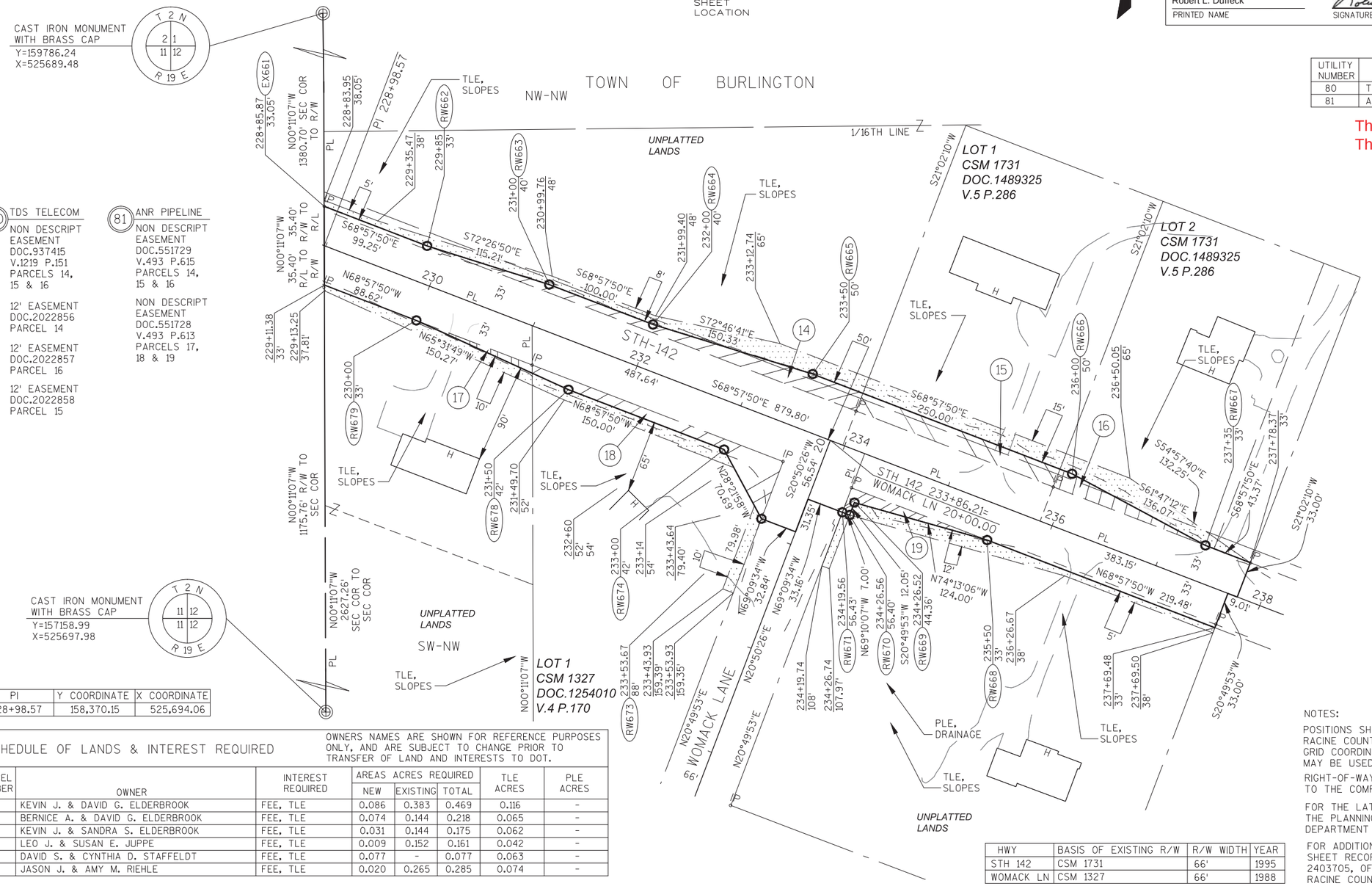
Document #: **2408998**
Date: 06-03-2015 Time: 12:47:00 PM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.07
AMENDMENT NO:___

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
81	ANR PIPELINE	RELEASE OF RIGHTS

This is a copy.
The original is at the Register Of Deeds Office.



PI	Y COORDINATE	X COORDINATE
228+98.57	158,370.15	525,694.06

CAST IRON MONUMENT WITH BRASS CAP
Y=157158.99
X=525697.98

(80) TDS TELECOM
NON DESCRIPT EASEMENT DOC.937415 V.1219 P.151 PARCELS 14, 15 & 16

12' EASEMENT DOC.2022856 PARCEL 14

12' EASEMENT DOC.2022857 PARCEL 16

12' EASEMENT DOC.2022858 PARCEL 15

(81) ANR PIPELINE
NON DESCRIPT EASEMENT DOC.551729 V.493 P.615 PARCELS 14, 15 & 16

NON DESCRIPT EASEMENT DOC.551728 V.493 P.613 PARCELS 17, 18 & 19

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 ACRES REQUIRED			TLE ACRES	PLE ACRES
			NEW	EXISTING	TOTAL		
14	KEVIN J. & DAVID G. ELDERBROOK	FEE, TLE	0.086	0.383	0.469	0.116	-
15	BERNICE A. & DAVID G. ELDERBROOK	FEE, TLE	0.074	0.144	0.218	0.065	-
16	KEVIN J. & SANDRA S. ELDERBROOK	FEE, TLE	0.031	0.144	0.175	0.062	-
17	LEO J. & SUSAN E. JUPPE	FEE, TLE	0.009	0.152	0.161	0.042	-
18	DAVID S. & CYNTHIA D. STAFFELDT	FEE, TLE	0.077	-	0.077	0.063	-
19	JASON J. & AMY M. RIEHLE	FEE, TLE	0.020	0.265	0.285	0.074	-

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	CSM 1731	66'	1995
WOMACK LN	CSM 1327	66'	1988

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.08

THAT PART OF UNITS 4, 5, 6, 7, AND 44 OF COYOTE RIDGE CONDOMINIUM AND LOT 1 OF CSM 3059 IN AND INCLUDING THAT PART OF THE SOUTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4. ALSO, THE SOUTHEAST 1/4 OF THE NORTHWEST 1/4, THE NORTHEAST 1/4 OF THE SOUTHWEST 1/4, ALL IN SECTION 12, TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

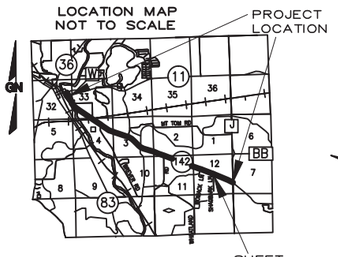
RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
81	ANR PIPELINE	RELEASE OF RIGHTS
83	WE ENERGIES - ELEC	RELEASE OF RIGHTS

LOCATION MAP
NOT TO SCALE



SCALE, FEET
0 50 100

GN

N

CAST IRON MONUMENT
WITH BRASS CAP
Y=159810.19
X=528316.75

T 2 N
1 | 1
12 | 12
R 19 E

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.08 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

6/11/2015
NATHAN A. VAUGHN DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Duffeck — 06/11/15
PRINTED NAME — SIGNATURE — DATE:

Document #: **2409863**
Date: 06-12-2015 Time: 11:56:00 AM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.08
AMENDMENT NO:___

This is a copy.
The original is at the Register Of Deeds Office.

(80) TDS TELECOM
12' EASEMENT
DOC.2022859
PARCELS 20 & 34

12' EASEMENT
DOC.2022856
PARCELS
14 & 20

12' EASEMENT
DOC.1796039
V.3276 P.998
PARCEL 20

NON DESCRIPT
EASEMENT
DOC.937415
V.1219 P.151
PARCEL 14

NO RECORD
OF EASEMENT
PARCELS
23 & 24

(81) ANR PIPELINE
NON DESCRIPT
EASEMENT
DOC.551729
V.493 P.615
PARCEL 14

NON DESCRIPT
EASEMENT
DOC.551949
V.494 P.22
PARCELS 22 & 23

(83) WE ENERGIES - ELECTRIC
10' EASEMENT
DOC.486803
V.421 P.101
PARCELS 14 & 20

NON DESCRIPT
EASEMENT
DOC.426483
V.335 P.351
PARCELS 22,
23 & 24

NON DESCRIPT
DRAIN TILE
EASEMENT
DOC.1302944
V.2000 P.63
PARCELS 20,
21 & 34

R/L SHAGBARK LN
CURVE DATA
PI = 8+72.47
Y = 157,135.38
X = 528,308.92
DELTA = 20°54'43"
BACK = S01°15'19"E
AHEAD = N19°39'24"E
D = 29°50'37"
TAN = 35.43'
L = 70.07'
R = 191.99'

CAST IRON MONUMENT
WITH BRASS CAP
Y=157158.99
X=525697.98

T 2 N
11 | 12
11 | 12
R 19 E

SE-NW
SW-NE
NE-SW
NW-SE

UNPLATTED LANDS

TLE, SLOPES

HORSESHOE TRAIL
COYOTE RIDGE CONDOMINIUM DOC.2002875

SHAGBARK LANE

STH 142

TOWN OF BURLINGTON

PI	Y COORDINATE	X COORDINATE
252+42.17	157,468.07	527,855.20
255+15.25	157,358.32	528,105.25
262+10.97	157,094.08	528,748.84

CONCRETE MONUMENT
WITH BRASS CAP
Y=157221.18
X=530935.15

T 2 N
12 | 7
12 | 7
R 19 E
R 20 E

CURVE TABLE

CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	64.99	425.37	S7°13'57"W	64.93
C2	82.47	246.38	N7°43'43"E	82.08

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
COYOTE RIDGE CONDO		66'	2004
STH 142	DOC.1054441 V.1512 P.571	66'	1979
SHAGBARK LN	DOC.1162847 V.1741 P.137	VARIES	1985
SHAGBARK LN	DOC.1160358 V.1736 P.946	VARIES	1987

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
14	KEVIN J. & DAVID G. ELDERBROOK	FEE, TLE	0.120	0.321	0.441	0.082	-
20	WILLICK ENTERPRISES, LLC.	FEE, TLE	0.080	-	0.080	0.061	-
21	JAMES A. WILLICK	FEE	0.001	-	0.001	-	-
22	REBECCA DEAN FRITZ	FEE, TLE	0.008	0.092	0.100	0.022	-
23	KING FAMILY LIMITED PARTNERSHIP	FEE, TLE	0.156	0.248	0.404	0.104	-
24	THOMAS C. & CATHRYN M. MCDOWELL	FEE, TLE	0.066	0.273	0.339	0.099	-
34	RANDEL E. & ANNE R. SCHECK	FEE, TLE	0.130	-	0.130	0.045	-

CAST IRON MONUMENT
WITH BRASS CAP
Y=157190.00
X=528305.66

T 2 N
12 | 12
12 | 12
R 19 E

CAST IRON MONUMENT
WITH BRASS CAP
Y=154544.67
X=528294.78

T 2 N
12 | 12
13 | 13
R 19 E

LOT 1
CSM 3059
DOC.2324826
V.9 P.950

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.09

THAT PART OF UNITS 1 AND 2 AND COMMON ELEMENTS OF COYOTE RIDGE CONDOMINIUM, AND ALSO THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4, SECTION 12, TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE

PROJECT LOCATION

SHEET LOCATION

PI	Y COORDINATE	X COORDINATE
262+10.97	157,094.08	528,748.84
266+30.74	156,931.96	529,136.04

CAST IRON MONUMENT
WITH BRASS CAP
Y=157190.00
X=528305.66

S89°19'15"W 2629.68'
SEC COR TO SEC COR

377.23'

1314.84'

1/16TH LINE

NON-DESCRIPT
DRIVEWAY EASEMENT
DOC.2288399
PARCELS 26 & 27

HORSESHOE TRAIL
PRIVATE ROAD
66'

COYOTE RIDGE
CONDOMINIUM
DOC.2002875

PART OF GOLF
COURSE, LIMITED
COMMON ELEMENT

STH-142

MATCH LINE
SEE SHEET 4.08
PI 262+10.97

R/L=N67°16'56"W 165.00'

R/L=N66°47'07"W 491.31'

PI 266+30.74

S00°11'50"W 480.66'

TLE, SLOPES

TLE, SLOPES & DRIVEWAY

UNPLATTED LANDS

NW-SE

TOWN OF BURLINGTON

N00°11'05"E

N00°06'50"E

CONCRETE MONUMENT
WITH BRASS CAP
Y=157221.18
X=530935.15

UTILITY DETAIL
SCALE, FEET
0 40 80

GN

N

SCALE, FEET
0 50 100

CURVE TABLE				
CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	135.53	233.00	N6°05'11"E	133.63

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
20	WILLICK ENTERPRISES, LLC.	FEE, TLE	0.204	-	0.204	0.200	-
24	THOMAS C. & CATHRYN M. MCDOWELL	FEE, TLE	0.046	0.159	0.205	0.051	-
25	COYOTE RIDGE CONDOMINIUM	FEE, TLE	0.052	-	0.052	0.041	-
26	SCOTT A. & LARIEU E. WERNER	FEE, TLE	0.058	0.160	0.218	0.048	-
27	DAVID A. & KATHRYN CIMERMANCIC	FEE, TLE	0.048	0.159	0.207	0.048	-
28	BENEDICT & KATHLEEN RADER	FEE, TLE	0.030	0.185	0.215	0.044	-

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
82	TIME WARNER CABLE	RELEASE OF RIGHTS
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
86	WE ENERGIES - GAS	RELEASE OF RIGHTS

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	COYOTE RIDGE CONDO	66'	2004
HORSESHOE TR	COYOTE RIDGE CONDO	66'	2004

(80) TDS TELECOM
12' EASEMENT DOC.2022859 PARCEL 20
12' EASEMENT DOC.2017715 PARCEL 20
12' EASEMENT DOC.1471605 V.2383 P.281 PARCEL 28
NO RECORD OF EASEMENT PARCELS 20, 24, 26 & 27

(82) TIME WARNER CABLE
12' EASEMENT DOC.2017715 PARCEL 20
NO RECORD OF EASEMENT PARCEL 20

(86) WE ENERGIES - GAS
NO RECORD OF EASEMENT PARCEL 20

(83) WE ENERGIES - ELECTRIC
NON-DESCRIPT EASEMENT DOC.426483 V.335 P.351 PARCELS 24, 26 & 28
12' EASEMENT DOC.1471605 V.2383 P.281 PARCEL 28
12' EASEMENT DOC.2017715 PARCEL 20
NO RECORD OF EASEMENT PARCEL 20

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 – 4.09 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

6/3/2015
NATHAN A. VAUGHN — DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Duffeck — 06/03/15
PRINTED NAME — SIGNATURE — DATE:

Document #: **2409494**
Date: 06-09-2015 Time: 09:45:00 AM Pages: 1
Fee: $25.00 County: RACINE State: WI
Requesting Party: WiDotSeRegionWaukesha
Register of Deeds: TYSON FETTES
RACINE COUNTY REGISTER OF DEEDS

The above recording information verifies this document has been electronically recorded and returned to the submitter

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 – 4.09
AMENDMENT NO:___

This is a copy.
The original is at the county Register Of Deeds office.

FILE NAME:S/5165166/PLAT/TPP200.DWG
APPRAISAL PLAT DATE:

3370-05-20 - 4.09

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.10

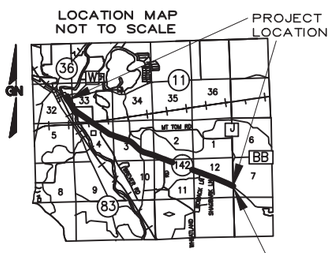
THAT PART OF UNITS 38 AND 39, COYOTE RIDGE CONDOMINIUM, AND ALSO THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4, SECTION 12, TOWNSHIP 2 NORTH, RANGE 19 EAST, TOWN OF BURLINGTON, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

LOCATION MAP
NOT TO SCALE



SCALE, FEET
0 50 100

GN

CONCRETE MONUMENT WITH BRASS CAP
Y=157221.18
X=530935.15

T 2 N R 20 E
12 7 12 7

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.10 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

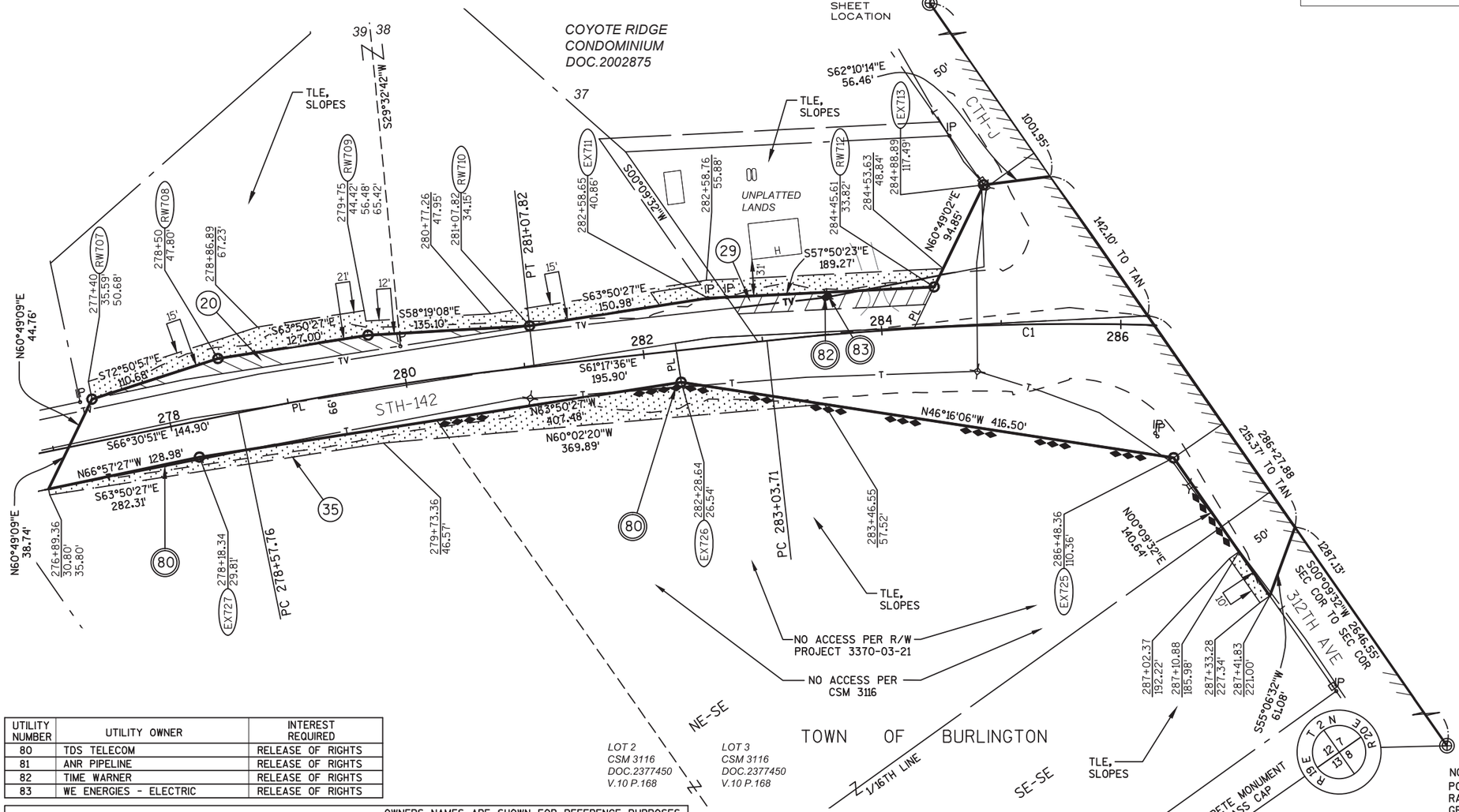
WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK WI LAND SURVEYOR

3/31/2015
NATHAN A. VAUGHN — DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Duffeck — 04/07/15
PRINTED NAME — SIGNATURE — DATE:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.10
AMENDMENT NO:___



R/L STH-142
CURVE DATA
PI = 279+82.88
Y = 156,396.79
X = 530,377.76
DELTA = 05°13'15"
BACK = N66°30'51"W
AHEAD = S61°17'36"E
D = 2°05'16"
TAN = 125.12'
L = 250.06'
R = 2,744.24'

R/L STH-142
CURVE DATA
PI = 285+57.99
Y = 156,120.46
X = 530,882.34
DELTA = 12°24'38"
BACK = N61°17'36"W
AHEAD = S48°52'58"E
D = 2°27'00"
TAN = 254.27'
L = 506.56'
R = 2338.60'

(80) TDS TELECOM
12' EASEMENT DOC.1993622 PARCEL 20
NON-DESCRIPT EASEMENT DOC.945041 V.1236 P.571 PARCEL 35
NO RECORD OF EASEMENT PARCEL 35

(81) ANR PIPELINE
NON-DESCRIPT EASEMENT DOC.551731 V.493 P.619 PARCEL 20

(82) TIME WARNER
NO RECORD OF EASEMENT PARCEL 29

(83) WE ENERGIES - ELECTRIC
NO RECORD OF EASEMENT PARCEL 29

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
81	ANR PIPELINE	RELEASE OF RIGHTS
82	TIME WARNER	RELEASE OF RIGHTS
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

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 ACRES REQUIRED NEW	EXISTING	TOTAL	TLE ACRES	PLE ACRES
20	WILLICK ENTERPRISES, LLC.	FEE, TLE	0.073	-	0.073	0.191	-
29	AUDREY P. & PETER G. JANSSEN	FEE, TLE	0.054	0.063	0.117	0.063	-
35	AUDREY P. AND PETER G. JANSSEN, SURVIVAL MARITAL PROPERTY	FEE, TLE	-	0.397	0.397	0.235	-

CURVE TABLE

CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	324.17	2338.60	N57°19'20"W	323.91

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	COYOTE RIDGE CONDO	66'	2004
STH 142	DOC.562706 V.901 P.919	66'	1973

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE 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 2 OF DOCUMENT 2403705, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

FILE NAME:S/5165166/PLAT/TPP200.DWG
APPRAISAL PLAT DATE:

TRANSPORTATION PROJECT PLAT NO: 3370-05-20 - 4.11

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4, SECTION 7, TOWNSHIP 2 NORTH, RANGE 20 EAST, TOWN OF BRIGHTON, KENOSHA COUNTY, WISCONSIN.

RELOCATION ORDER STH 142, EDGEWOOD DRIVE - CTH J

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION.

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 STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCALE, FEET

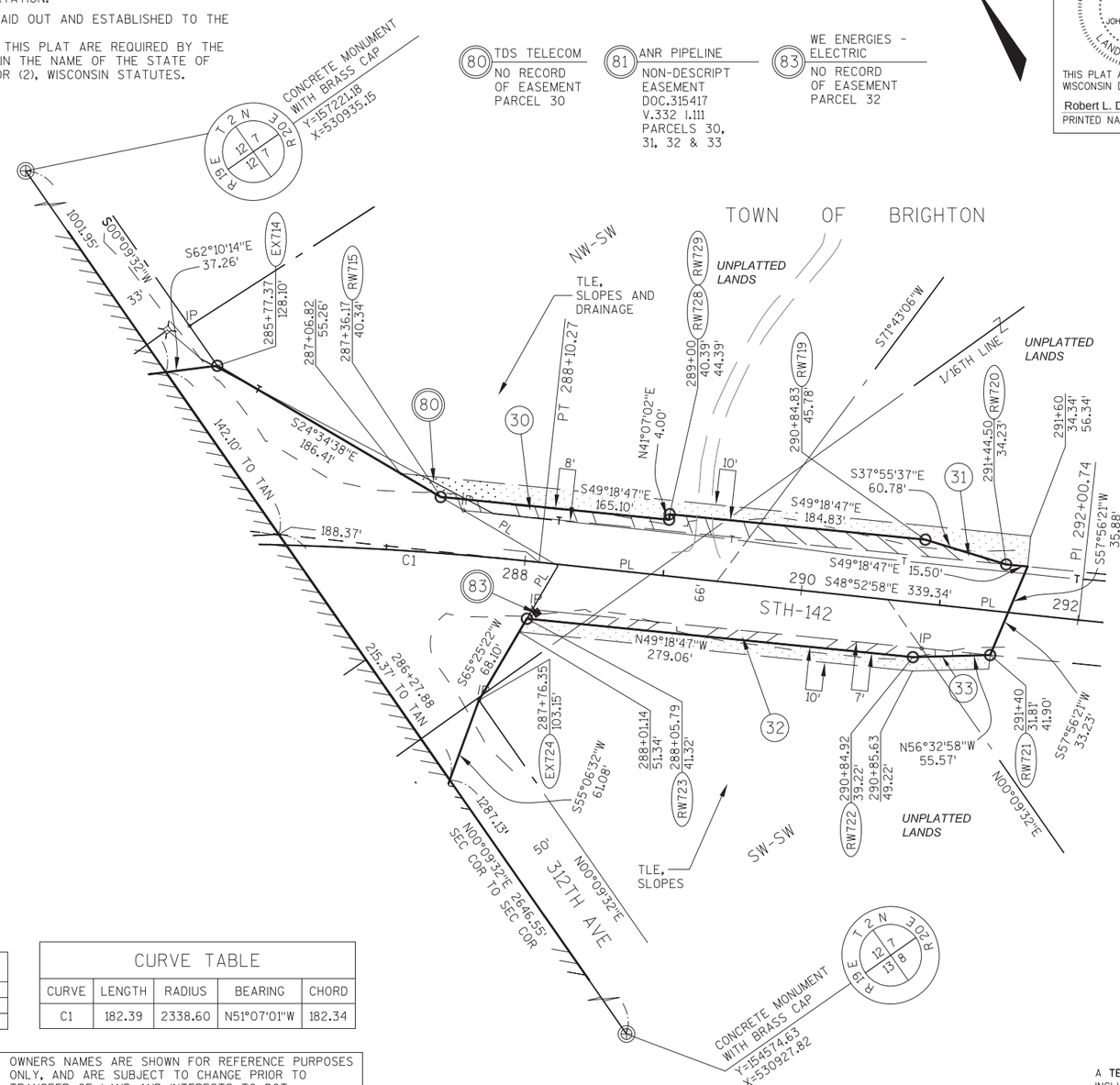
0 50 100

GN

(80) TDS TELECOM
NO RECORD OF EASEMENT
PARCEL 30

(81) ANR PIPELINE
NON-DESCRIPT EASEMENT
DOC.315417
V.332 I.111
PARCELS 30, 31, 32 & 33

(83) WE ENERGIES - ELECTRIC
NO RECORD OF EASEMENT
PARCEL 32



CONVENTIONAL ABBREVIATIONS

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

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LIP (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		RESTRICTED ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		RESTRICTED ACCESS (BY ACQUISITION)	
TEMPORARY LIMITED EASEMENT		NO ACCESS (BY STATUTORY AUTHORITY)	
PERMANENT LIMITED EASEMENT		SECTION LINE	
R/W BOUNDARY POINT	RWB20	QUARTER LINE	
PARCEL NUMBER	102	SIXTEENTH LINE	
UTILITY PARCEL NUMBER	92	EXISTING CENTERLINE	
SIGN NUMBER (OFF PREMISE)	21	PROPOSED REFERENCE LINE	
BUILDING		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD	OH	
TRANSMISSION LINES ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
	NON COMPENSABLE	COMPENSABLE
POWER POLE		■
TELEPHONE POLE		●
TELEPHONE PEDESTAL		■
ELECTRIC TOWER	⊠	

UTILITY NUMBER	UTILITY OWNER	INTEREST REQUIRED
80	TDS TELECOM	RELEASE OF RIGHTS
81	ANR PIPELINE	RELEASE OF RIGHTS
83	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS

CURVE TABLE

CURVE	LENGTH	RADIUS	BEARING	CHORD
C1	182.39	2338.60	N51°07'01"W	182.34

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 ACRES REQUIRED			TLE ACRES	PLE ACRES
			NEW	EXISTING	TOTAL		
30	LEON & KATHLEEN TEWS	FEE, TLE	0.046	0.121	0.167	0.074	-
31	CLETUS J. SEITZ FAMILY TRUST	FEE, TLE	0.042	0.156	0.198	0.056	-
32	SUSAN L. SCHUSTER	FEE, TLE	0.046	0.197	0.243	0.068	-
33	MICHAEL C. & KATHLEEN S. FEUCHT	FEE, TLE	0.003	0.052	0.055	0.009	-

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 142	DOC.562706 V.901 P.919	66'	1973

R.A. Smith National
Beyond Surveying and Engineering

I, NATHAN A. VAUGHN, 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 3370-05-20 - 4.11 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN NATHAN A. VAUGHN S-2986 JOHNSON CREEK, WI LAND SURVEYOR

Nathan A Vaughn 4/09/2015
NATHAN A. VAUGHN DATE
AGENT FOR R.A. SMITH NATIONAL
P.L.S. NUMBER 2986

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

Robert L. Dufffeck — Robert L Dufffeck — 04/09/15
PRINTED NAME — SIGNATURE — DATE:

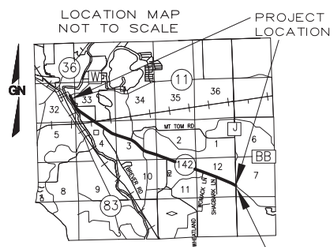
#20137

DOCUMENT
1746719
RECORDED
At Kenosha County, Kenosha WI 53140
JoEllyn E. Storz, Register of Deeds
April 17, 2015 2:34 PM
$25.00
Pages 1

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 3370-05-20 - 4.11
AMENDMENT NO:___

This is a copy.
The original is at the Register of Deeds office.

LOCATION MAP
NOT TO SCALE



R/L STH-142
CURVE DATA
PI = 285+57.99
Y = 156,120.46
X = 530,882.34
DELTA = 12°24'38"
BACK = N61°17'36"W
AHEAD = S48°52'58"E
D = 2°27'00"
TAN = 254.27'
L = 506.56'
R = 2338.60'

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83 (1991) 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 PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

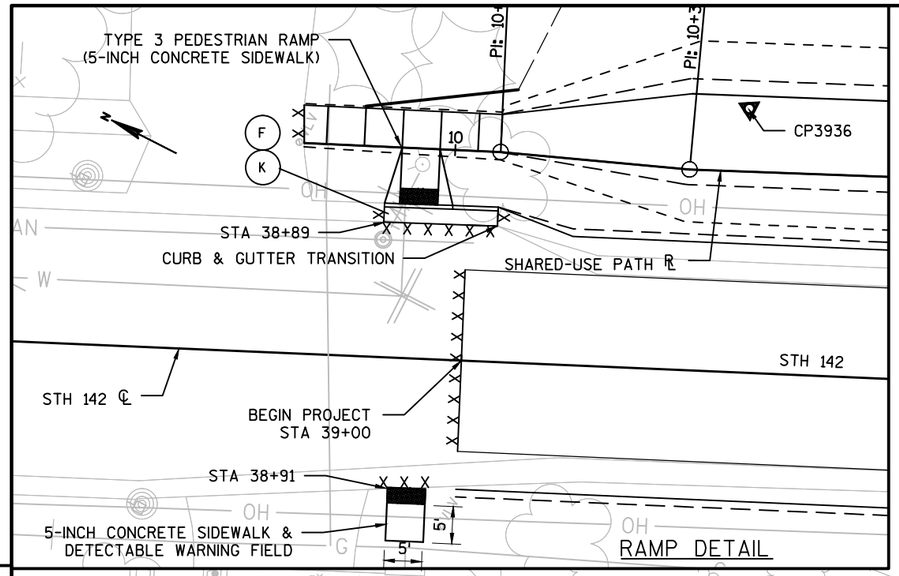
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS OF PUBLIC RECORD".

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 142 ESTABLISHED FROM PREVIOUS PROJECTS 3370-00-20, 3370-01-21 AND EXISTING SUBDIVISIONS AND CERTIFIED SURVEY MAPS.

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

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



BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
3936	39+36.54	CP BERN MON ALUM CAP	773.536
4955	49+54.93	CP BERN MON ALUM CAP	774.713

NOTE:

CLEARING AND GRUBBING LIMITS ARE
AS NEEDED FOR CONSTRUCTION OF
SHARED-USE PATH AND PATH CONNECTION.

LEGEND

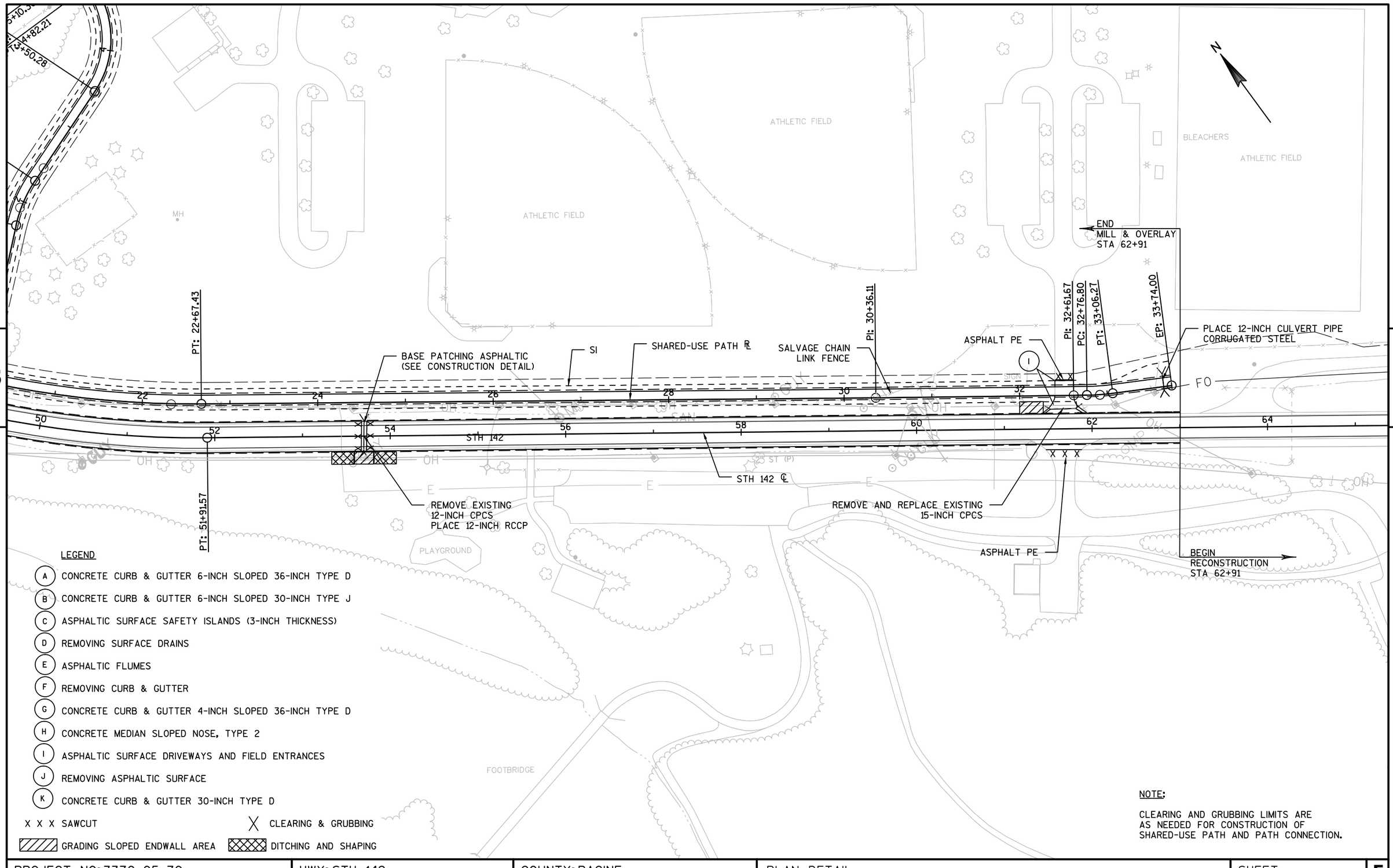
- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D
- X X X SAWCUT
- CLEARING & GRUBBING
- GRADING SLOPED ENDWALL AREA
- DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 244	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050100_PD.DWG
LAYOUT NAME - (01)_PD

PLOT DATE : 10/24/2016 5:58 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 44



5

5

LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D
- X X X SAWCUT
- X CLEARING & GRUBBING
- GRADING SLOPED ENDWALL AREA
- DITCHING AND SHAPING

NOTE:

CLEARING AND GRUBBING LIMITS ARE AS NEEDED FOR CONSTRUCTION OF SHARED-USE PATH AND PATH CONNECTION.

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 245	E

BEGIN
MILL & OVERLAY
STA 87+00

END
RECONSTRUCTION
STA 87+00

STH 142 ℄

CP8896

CP9396

GRAVEL PE

REMOVE EXISTING
15-INCH CPCS

EP: 5+43.39

ASPHALT CE

SI

PI: 95+00.00

PI: 4+43.58

PC: 2+18.92

PT: 2+53.92

EP: 3+95.72

PLACE 1, 12-INCH RCCP

DRIVEWAY
TO BE REMOVED

BP: 0+00.00

PT: 2+42.24

BREVER RD ℞

PLACE 12-INCH RCCP

QUARRY DRWY ℞

QUARRY DRIVEWAY

PC: 1+38.87

BREVER RD.

BP: 0+00.00

LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
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- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

CLEARING & GRUBBING

GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
8896	88+96.41	CP BERN MON ALUM CAP	777.702
9396	93+96.52	CP BERN MON ALUM CAP	774.170

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 246	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050100_PD.DWG
LAYOUT NAME - (04)_PD

PLOT DATE : 1/17/2017 10:37 AM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
10329	103+29.77	CP BERN MON ALUM CAP	767.526

5

5

PI: 95+00.00

SI

X X X

96

98

100

102

104

106

108

110

END
MILL & OVERLAY
STA 101+50

STH 142 ℄

50 FT BUTT JOINT

PC: 104+47.51

PT: 107+90.87

STH 142

SI

I

ASPHALT PE

PLACE 18-INCH CPCS

CP10329

ANT.

ANT.

POOL

SEPTIC

LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
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- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

CLEARING & GRUBBING

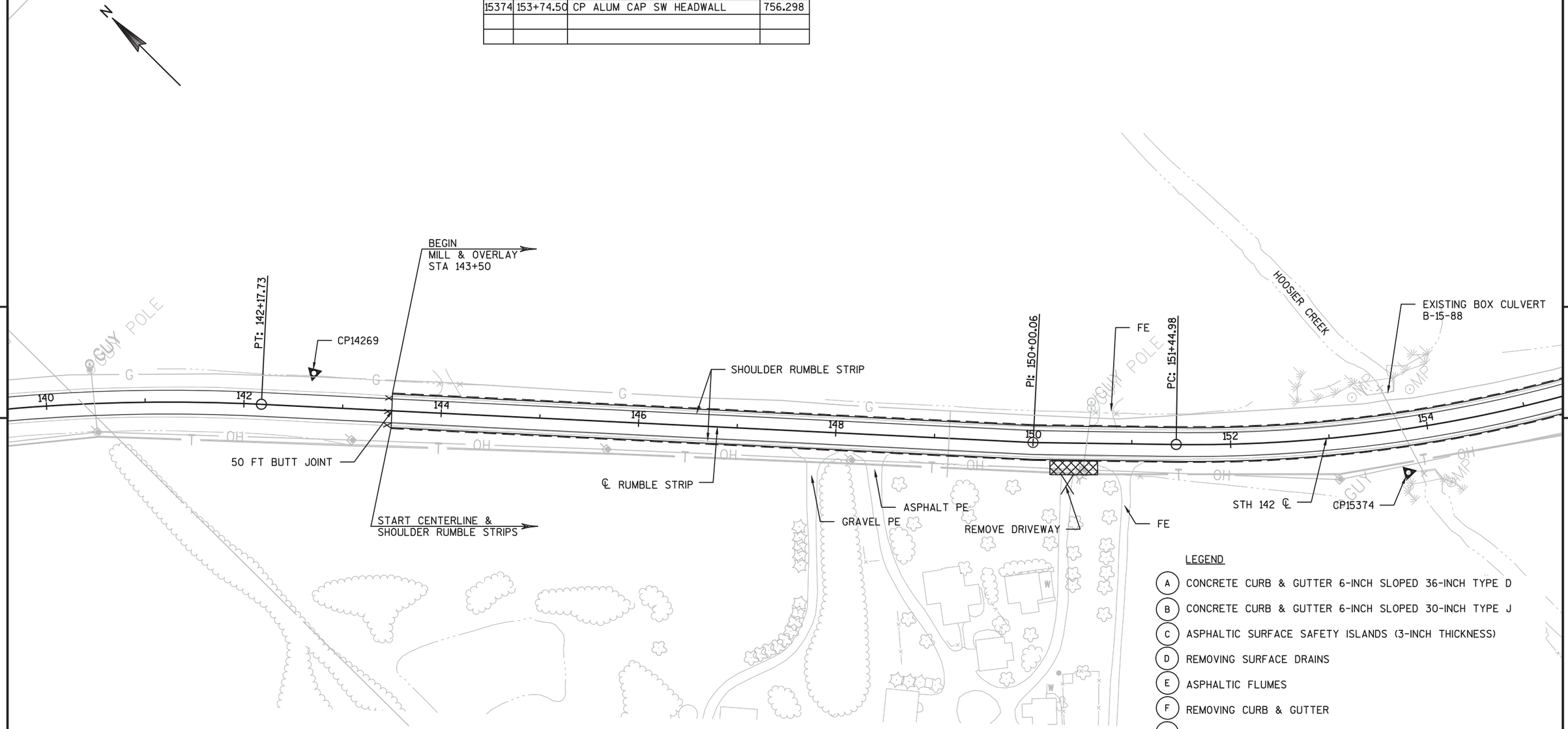
GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 247	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
14269	142+69.27	CP BERN MON ALUM CAP	765.364
15374	153+74.50	CP ALUM CAP SW HEADWALL	756.298



LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
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- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

CLEARING & GRUBBING

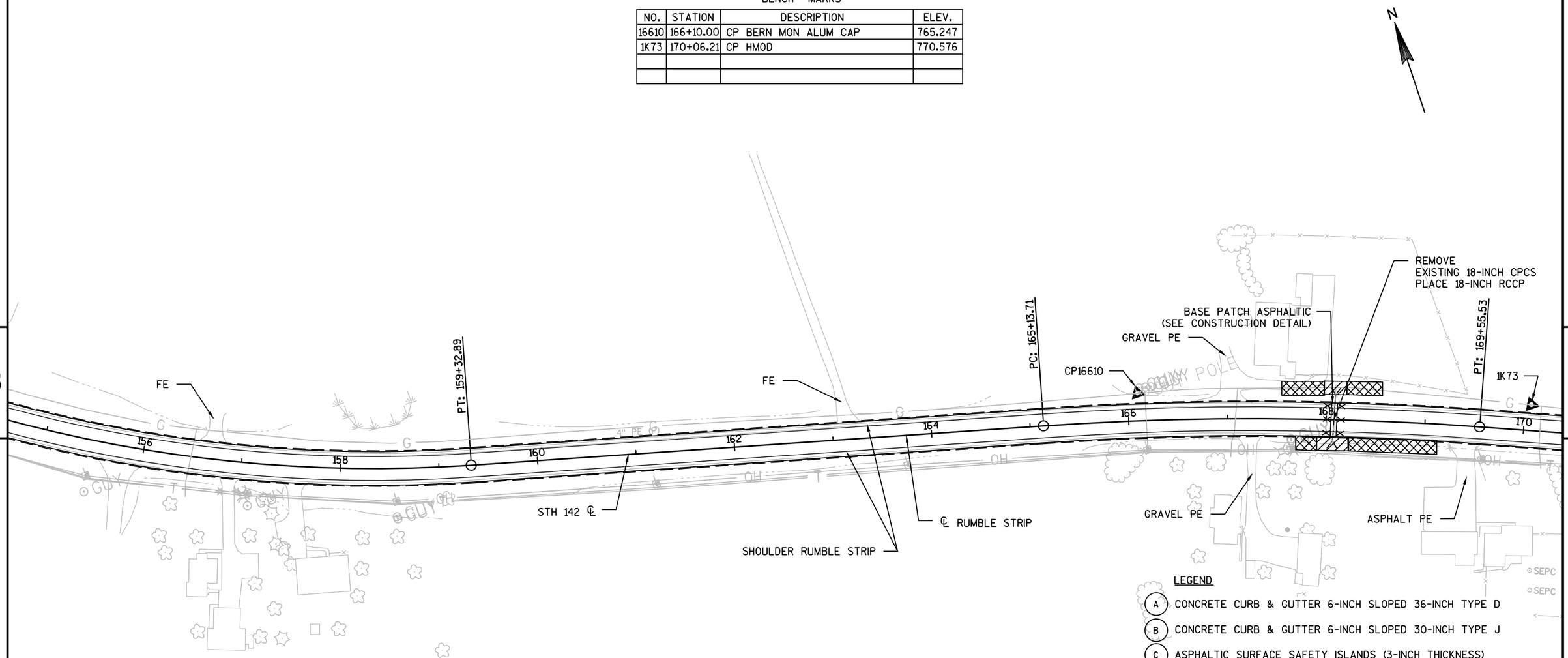
GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 248	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
16610	166+10.00	CP BERN MON ALUM CAP	765.247
1K73	170+06.21	CP HMOD	770.576



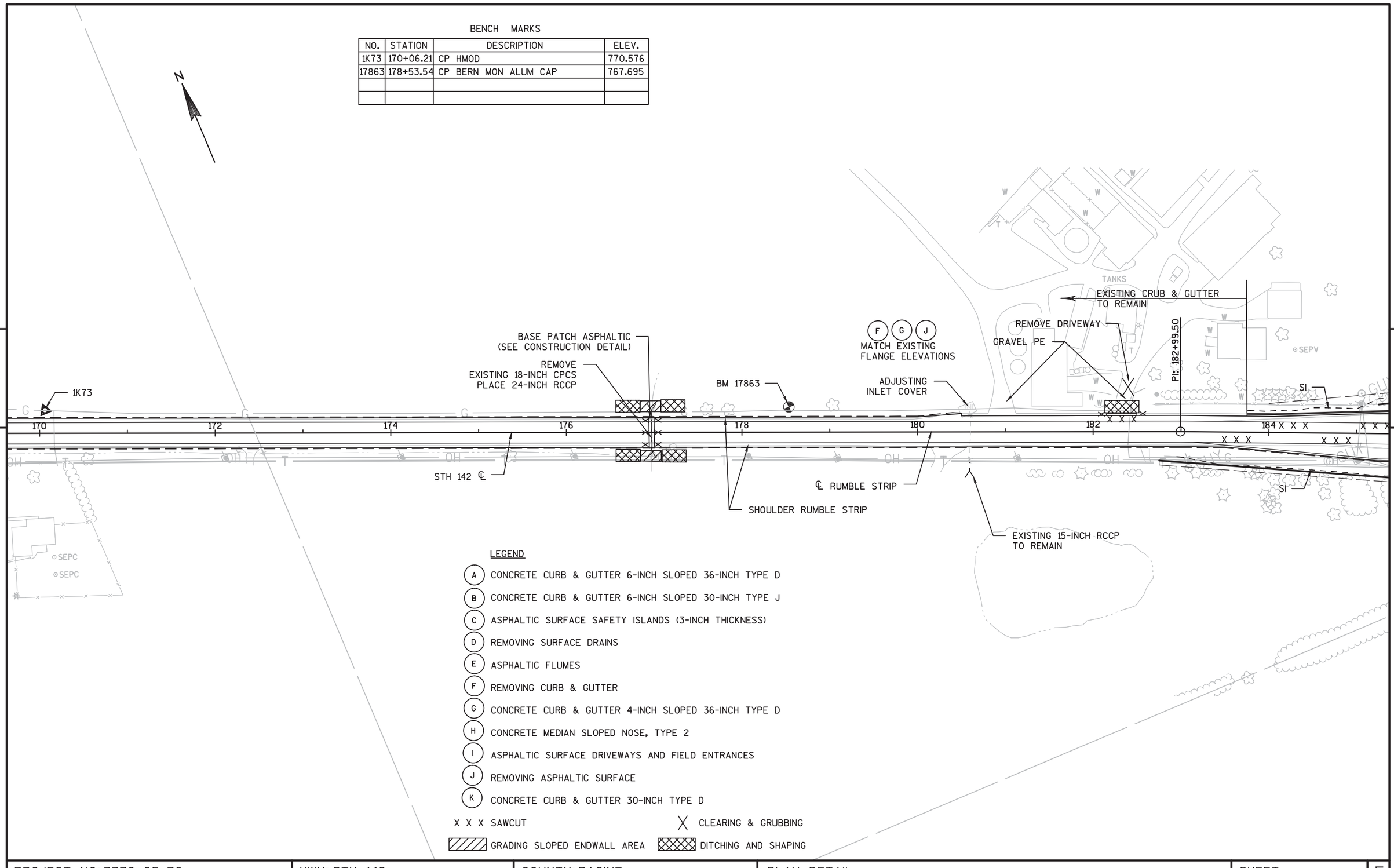
LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D
- X X X SAWCUT
- X CLEARING & GRUBBING
- GRADING SLOPED ENDWALL AREA
- DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 249	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
1K73	170+06.21	CP HMOD	770.576
17863	178+53.54	CP BERN MON ALUM CAP	767.695



LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

CLEARING & GRUBBING

GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 250	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
18953	189+52.83	CP BERN MON ALUM CAP	771.954

N

REMOVE TREES AND BRUSH TO SI
ARCHAEOLOGICAL SITE *BRA-0043
REMOVE & REPLACE EXISTING 18-INCH CPCS
REMOVE & REPLACE EXISTING 18-INCH CPCS
REMOVE TREES AND BRUSH TO SI
ASPHALT PE
GRAVEL PE
TREES TO REMAIN
REMOVE TREES AND BRUSH TO SI
SI
FE
FE
FE
PI: 194+66.29
STH 142 ℄
EP: 15+00.00
PT: 14+49.34
SI
SI
CP18953
BASE PATCHING ASPHALTIC (SEE CONSTRUCTION DETAIL)
FE
REMOVE EXISTING 18-INCH CPCS PLACE 2, 18-INCH RCCP
GRAVEL PE
ASPHALT PE
PC: 13+55.54
WHEATLAND RD ℄
WHEATLAND RD
BP: 10+91.41
9536
SEPTIC
SEPV
SEPC
STH 142

LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT
CLEARING & GRUBBING
GRADING SLOPED ENDWALL AREA
DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 251	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050100_PD.DWG
LAYOUT NAME - (11)_PD
PLOT DATE : 10/24/2016 5:59 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
20226	202+26.87	CP BERN MON ALUM CAP	781.359
21352	213+52.75	CP BERN MON ALUM CAP	779.267

5

5

PI: 200+93.34
PI: 202+45.72
PI: 206+00.06
PI: 208+24.87
PI: 215+10.11
CP20226
CP21352
FE
SHOULDER RUMBLE STRIP
ASPHALT PE
BASE PATCHING ASPHALTIC
(SEE CONSTRUCTION DETAIL)
REMOVE EXISTING
18-INCH CPCS
PLACE 24-INCH RCCP
200
202
204
206
208
210
212
214
GRAVEL PE
℄ RUMBLE STRIP
ASPHALT PE
REMOVE DRIVEWAY
ASPHALT PE
GRAVEL PE
STH 142 ℄
GRAVEL PE
ASPHALT PE
RUINS
SEPV
SEPTIC
ANT
W
WM
OH

LEGEND

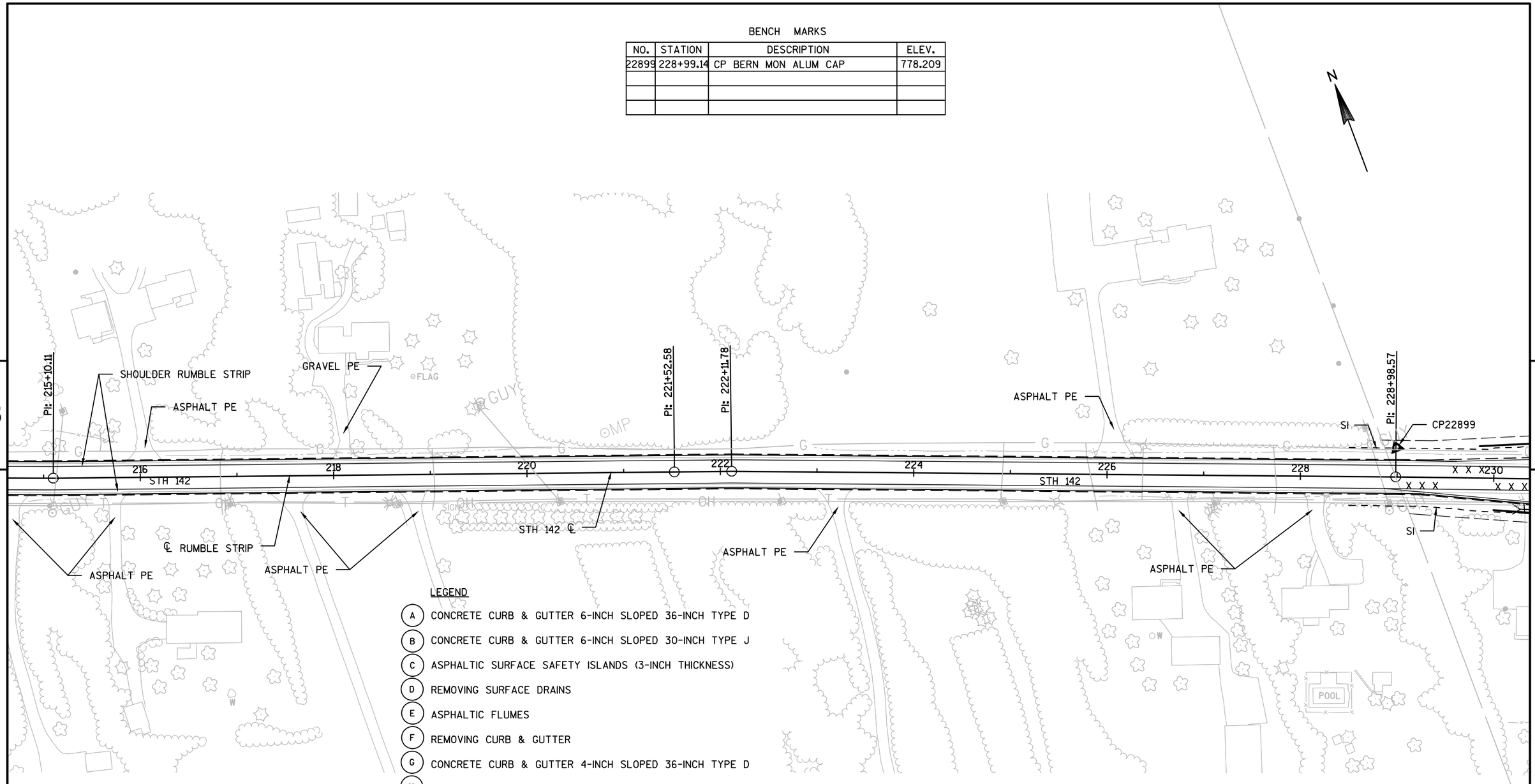
- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT
CLEARING & GRUBBING
GRADING SLOPED ENDWALL AREA
DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 252	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
22899	228+99.14	CP BERN MON ALUM CAP	778.209



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5

LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

X CLEARING & GRUBBING

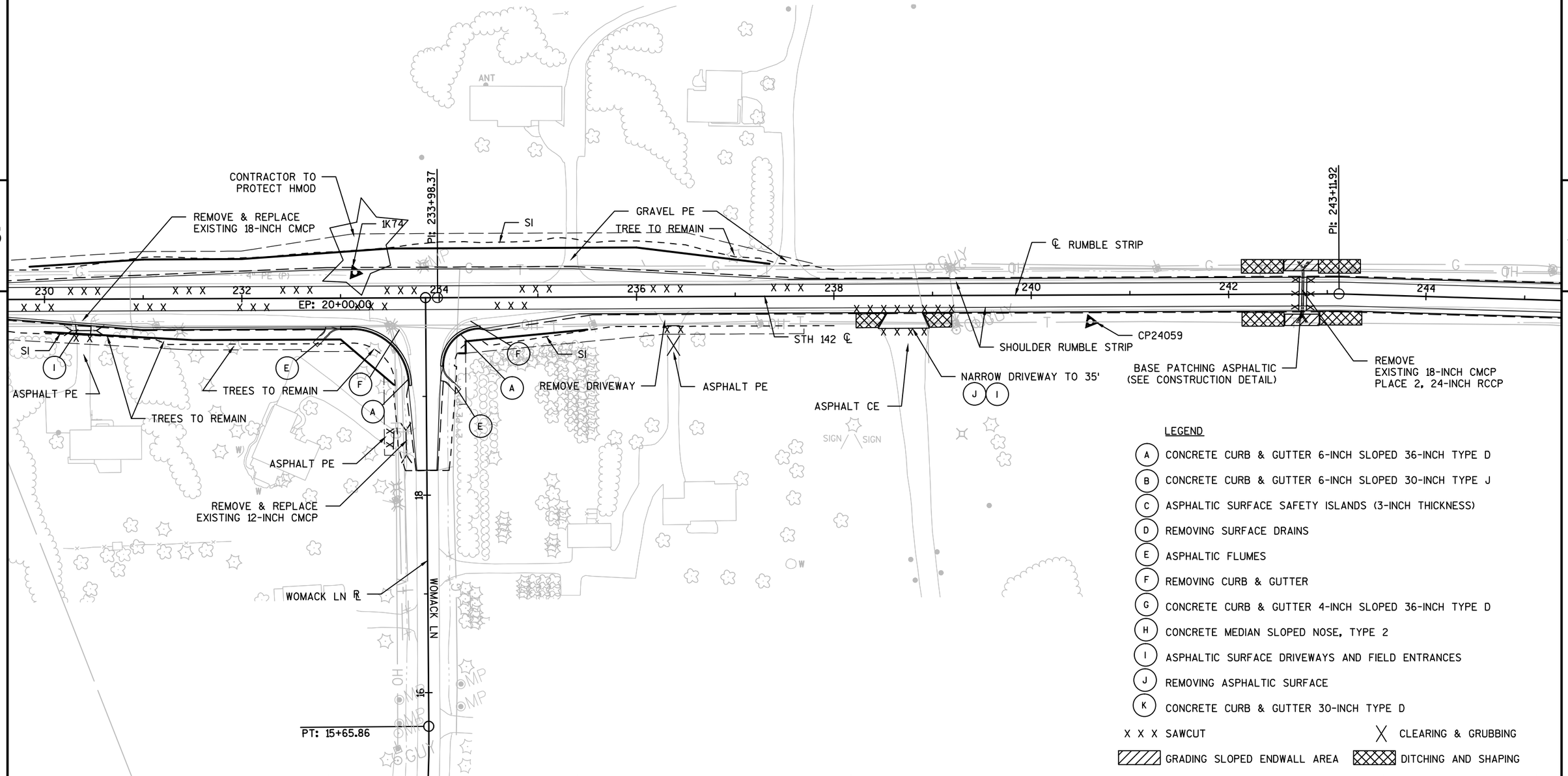
GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 253	E

BENCH MARKS

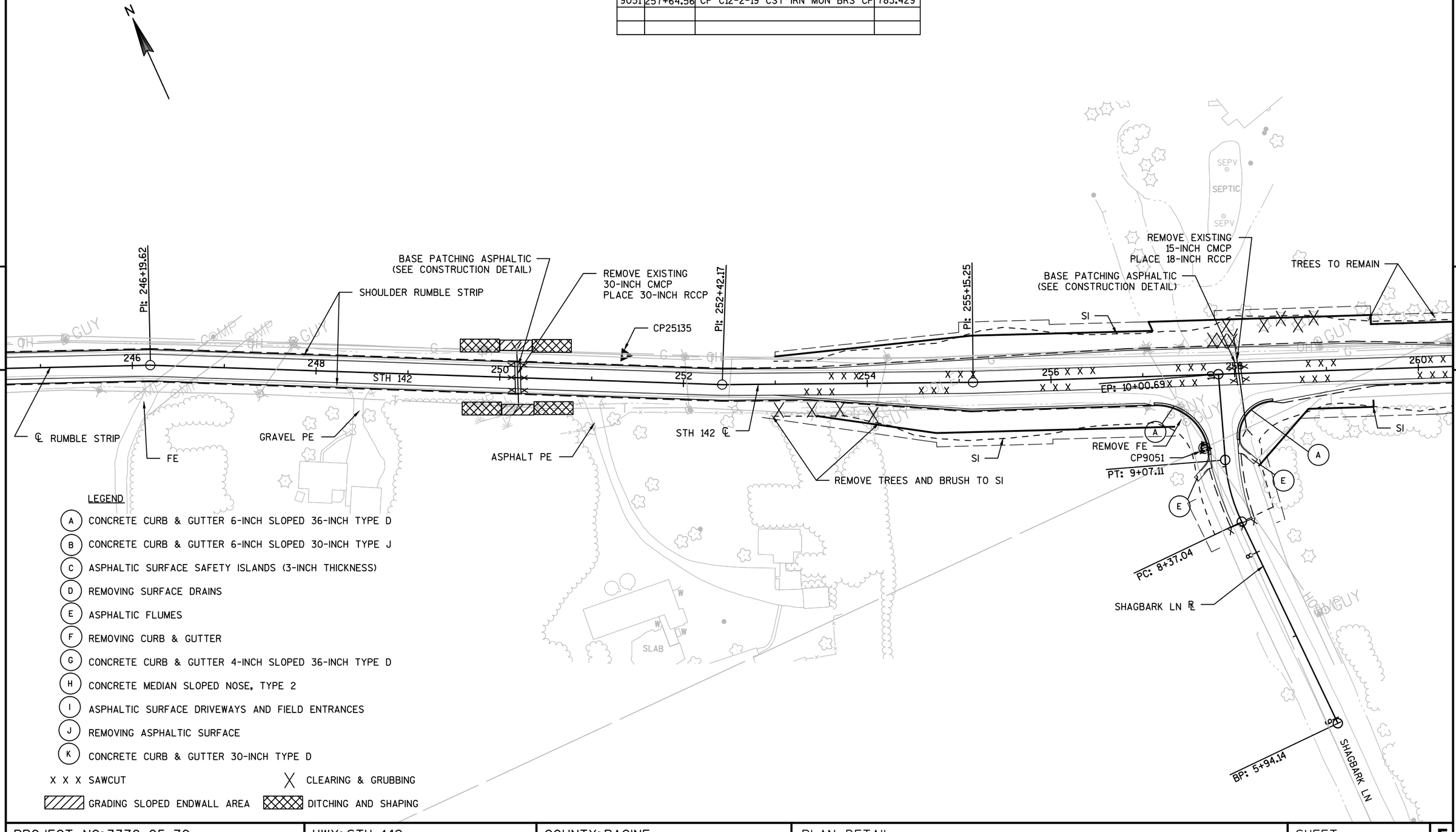
NO.	STATION	DESCRIPTION	ELEV.
1K74	233+14.74	CP HMOD	779.917
24059	240+59.88	CP BERN MON ALUM CAP	781.372



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 254 E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
25135	251+35.38	CP BERN MON ALUM CAP	782.876
9051	257+64.56	CP C12-2-19 CST IRN MON BRS CP	783.429



LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

X CLEARING & GRUBBING

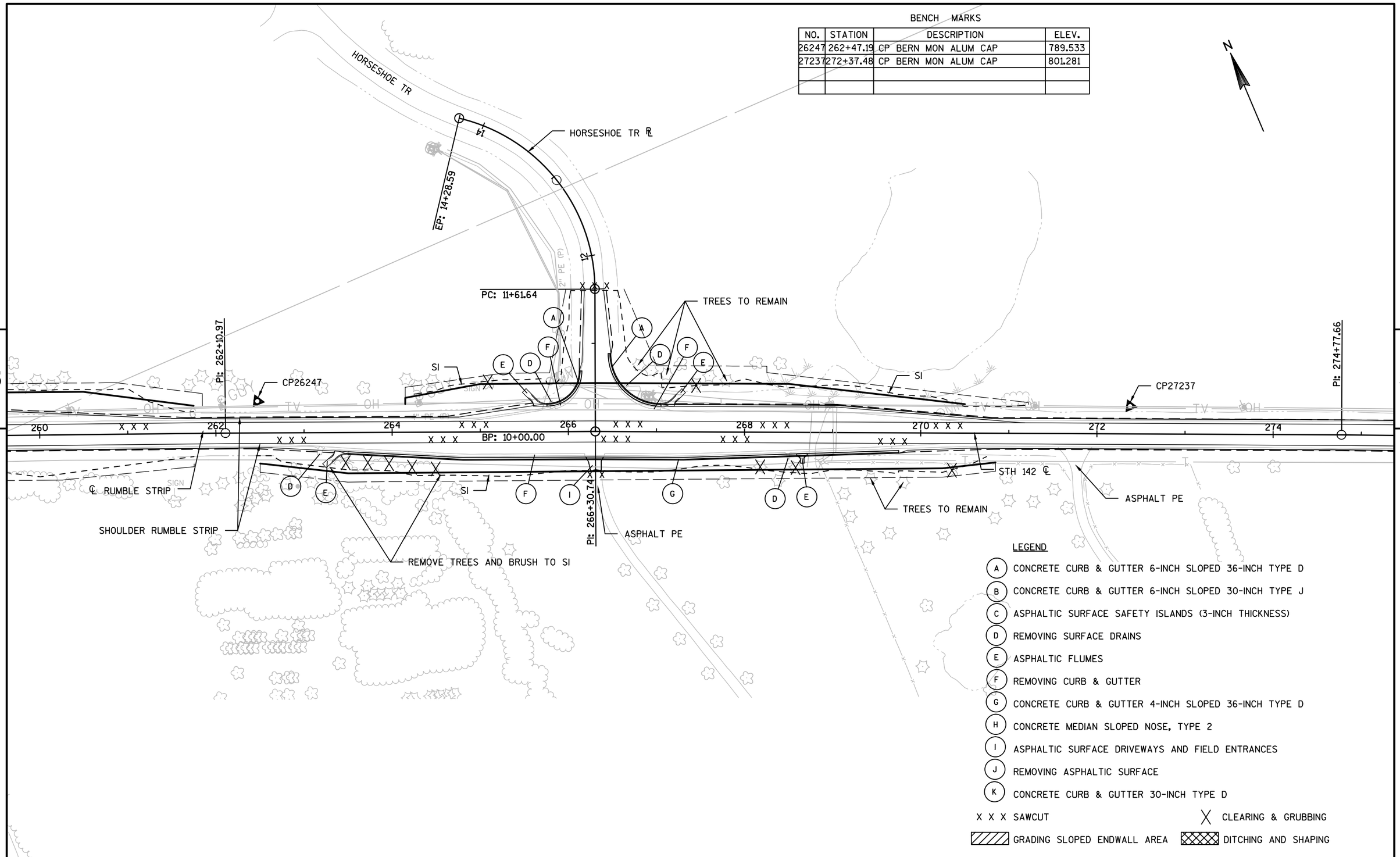
GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 255	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
26247	262+47.19	CP BERN MON ALUM CAP	789.533
27237	272+37.48	CP BERN MON ALUM CAP	801.281

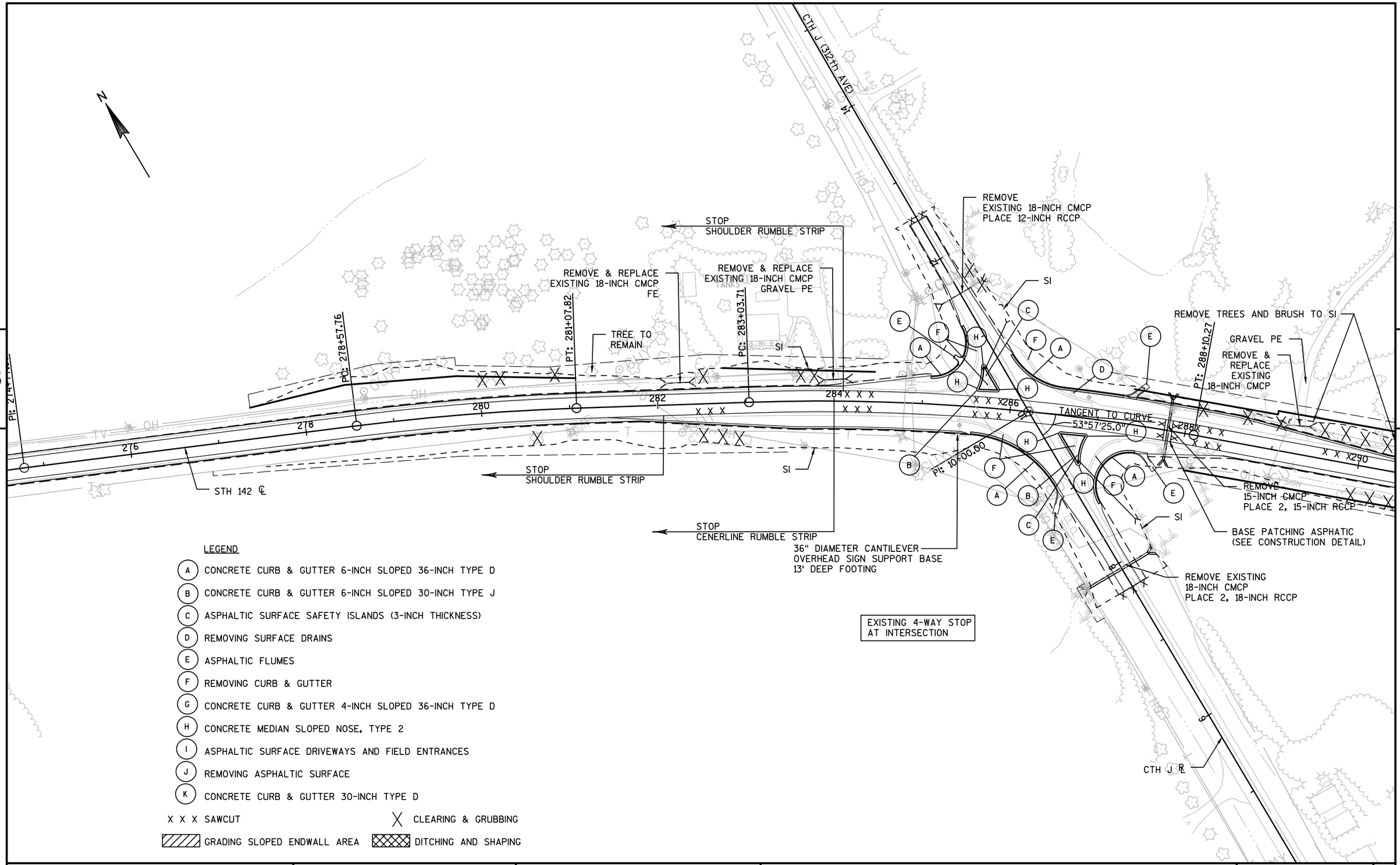


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 256	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050100_PD.DWG
LAYOUT NAME - (16)_PD

PLOT DATE : 10/24/2016 6:00 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

X X X SAWCUT

X CLEARING & GRUBBING

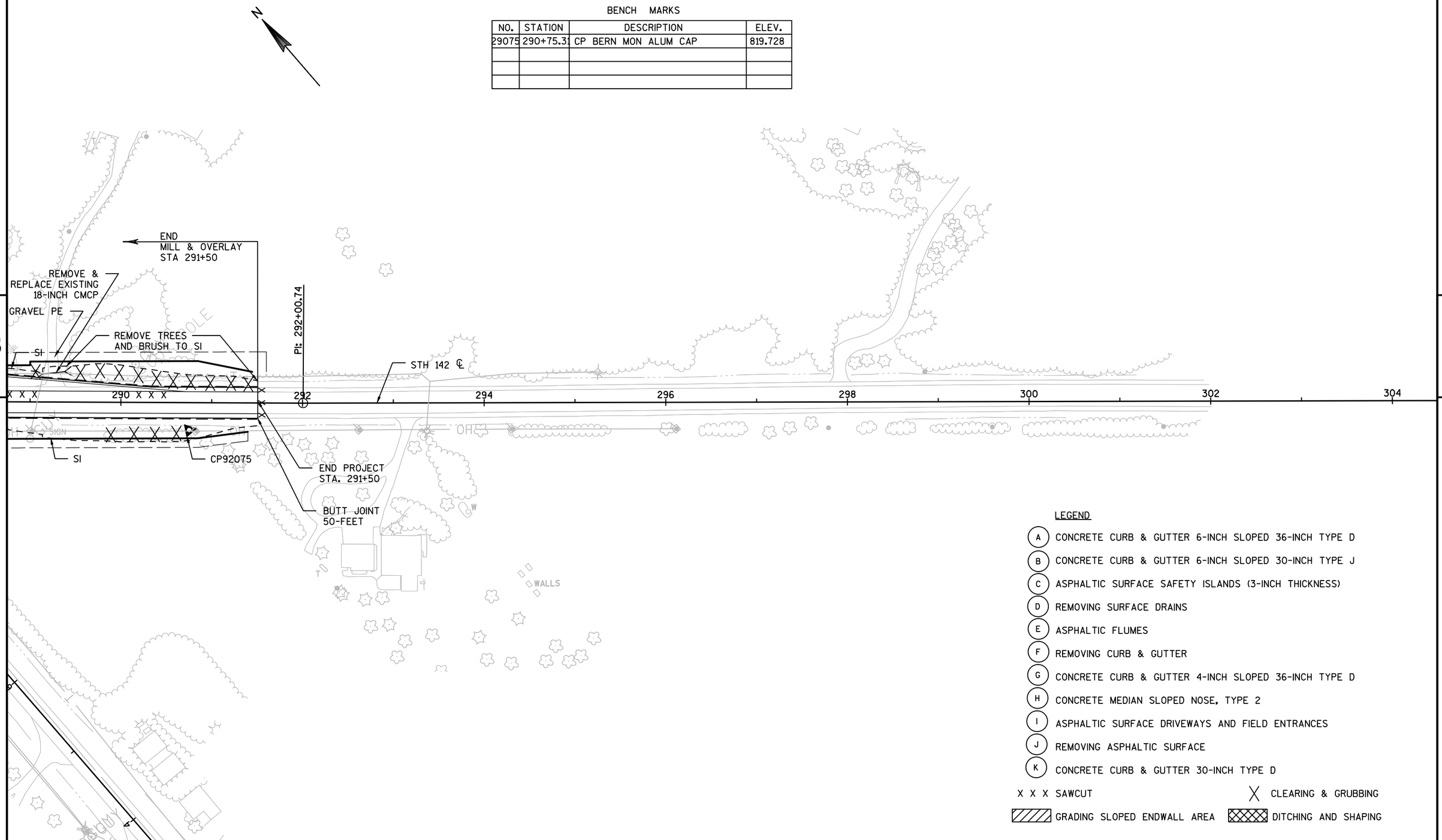
GRADING SLOPED ENDWALL AREA

DITCHING AND SHAPING

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 257	E

BENCH MARKS

NO.	STATION	DESCRIPTION	ELEV.
29075	290+75.31	CP BERN MON ALUM CAP	819.728



LEGEND

- (A) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (B) CONCRETE CURB & GUTTER 6-INCH SLOPED 30-INCH TYPE J
- (C) ASPHALTIC SURFACE SAFETY ISLANDS (3-INCH THICKNESS)
- (D) REMOVING SURFACE DRAINS
- (E) ASPHALTIC FLUMES
- (F) REMOVING CURB & GUTTER
- (G) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE D
- (H) CONCRETE MEDIAN SLOPED NOSE, TYPE 2
- (I) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (J) REMOVING ASPHALTIC SURFACE
- (K) CONCRETE CURB & GUTTER 30-INCH TYPE D

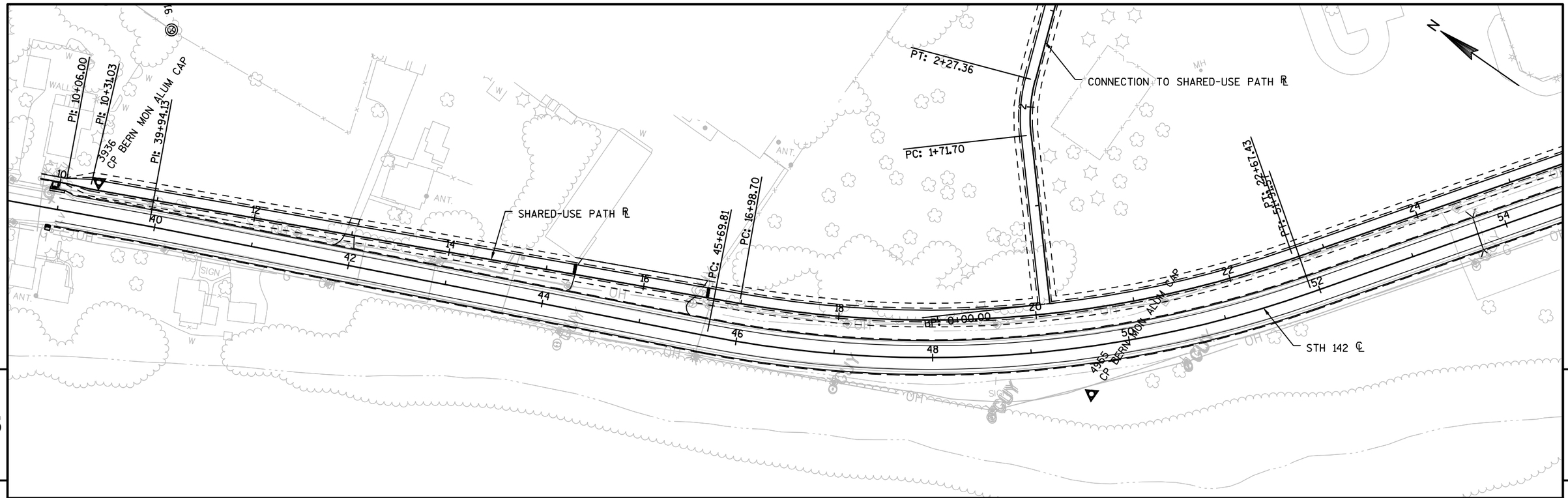
X X X SAWCUT

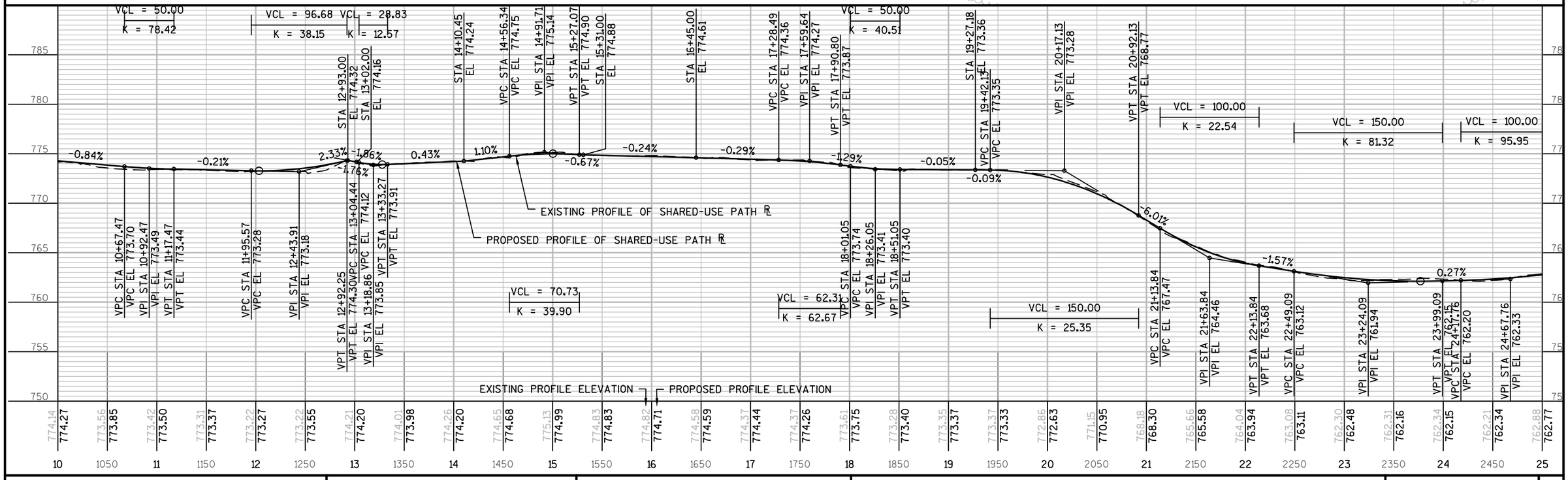
X CLEARING & GRUBBING

GRADING SLOPED ENDWALL AREA

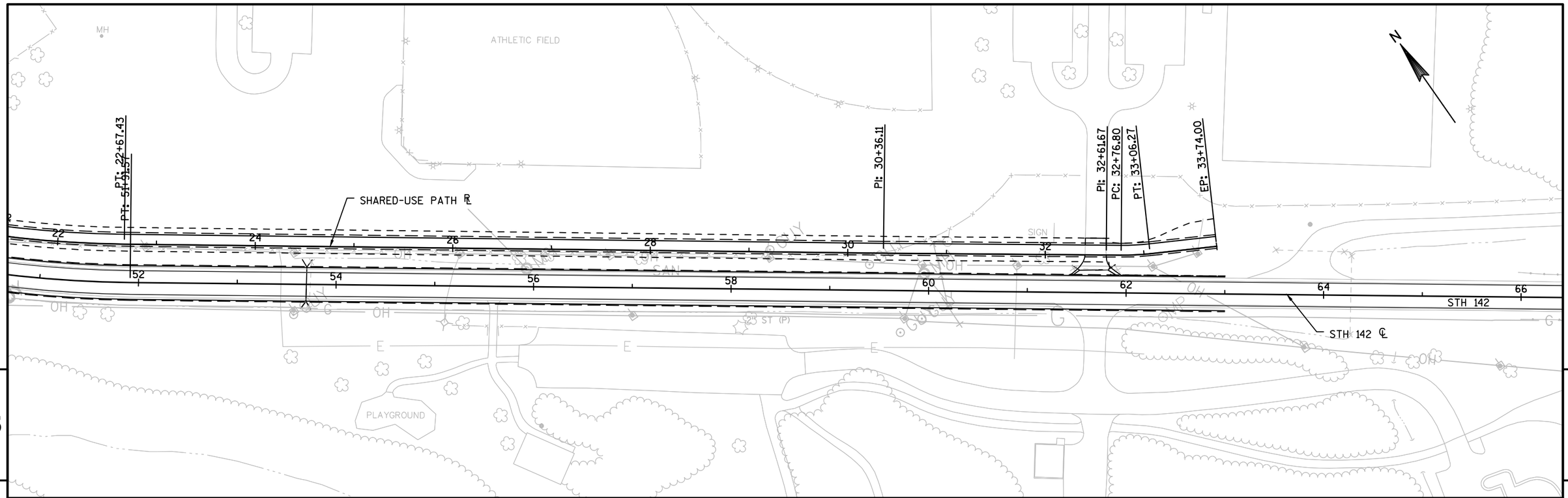
DITCHING AND SHAPING

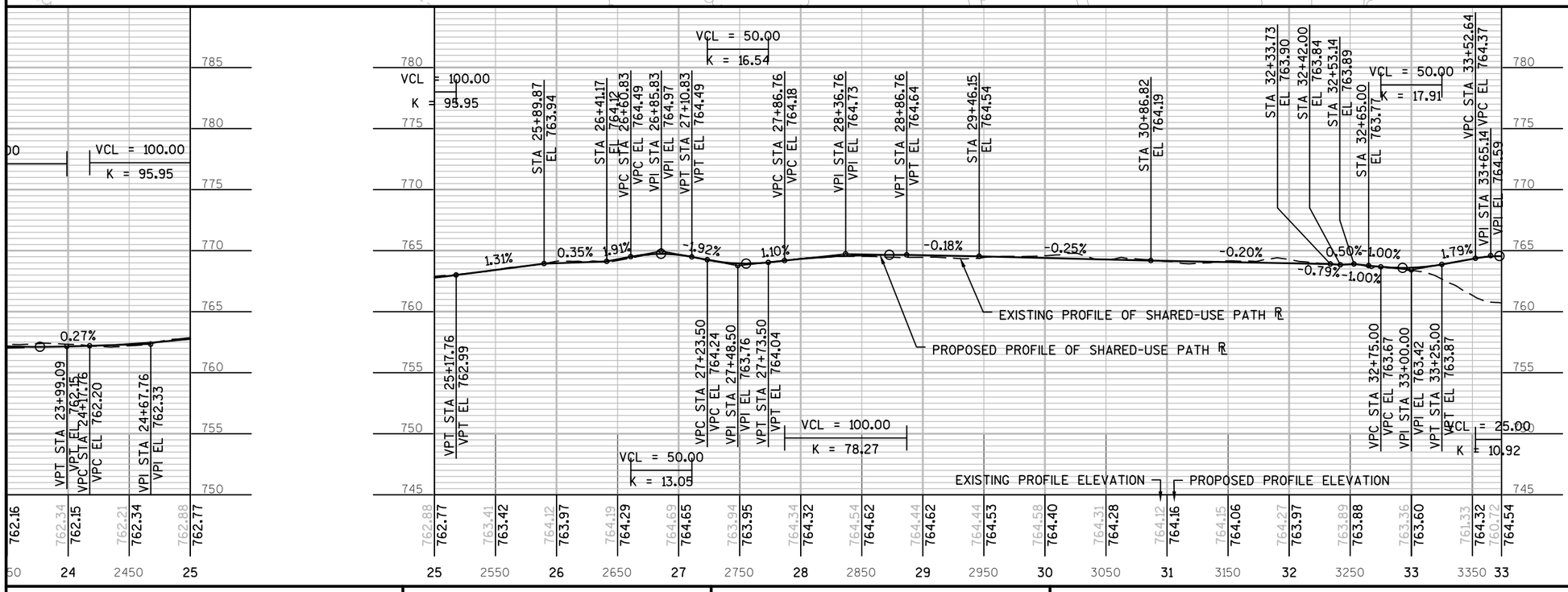
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN DETAIL	SHEET 258	E





PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: MULTI-USE PATH	SHEET 259 E





PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: MULTI-USE PATH	SHEET 260	E

BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
1	STA 62+52, 113' LT	WISDOT CONTROL POINT	762.16

BUSHNELL PARK

TOWN OF BURLINGTON

STA 33+74 =
STA 17+10'P'

BM 1

STA 63+86
REMOVE SMALL PIPE CULVERT
1-18" CMCP

REMOVE ACCESS

R/W

PROPOSED SHARED-USE PATH
SEE NEXT SHEET
FOR PROFILE INFORMATION

SLOPE INTERCEPT

TLE

16'P'

18'P'

20'P'

22'P'

24'P'

26'P'

STA 64+28
REMOVE SMALL PIPE CULVERT
1-18" CMCP

REMOVE FENCE

STH 142

STH 142 R/L

S54°21'42"E

REMOVE GUARDRAIL

SLOPE INTERCEPT

CAUTION

1-24" CPRC
2 APRON ENDWALLS REQ'D

BLEACHERS

EXISTING BIKE TRAIL

MATCHLINE STA 73+00

BEGIN RECONSTRUCT
STA. 62+91

STA 62+91.00
EL 762.08

STA 62+91.00
EL 765.76

STA 64+28.00
EL 761.40

VPC STA 64+97.95
VPC EL 768.01

VPI STA 65+74.42
VPI EL 768.84

VPT STA 66+50.89
VPT EL 769.22

EXISTING PROFILE

FINISHED PROFILE

1.09%

0.50%

-0.50%

0.63%

VCL = 152.94

K = 261.00

STA 64+28
24" CPRC

EXISTING PROFILE ELEVATION

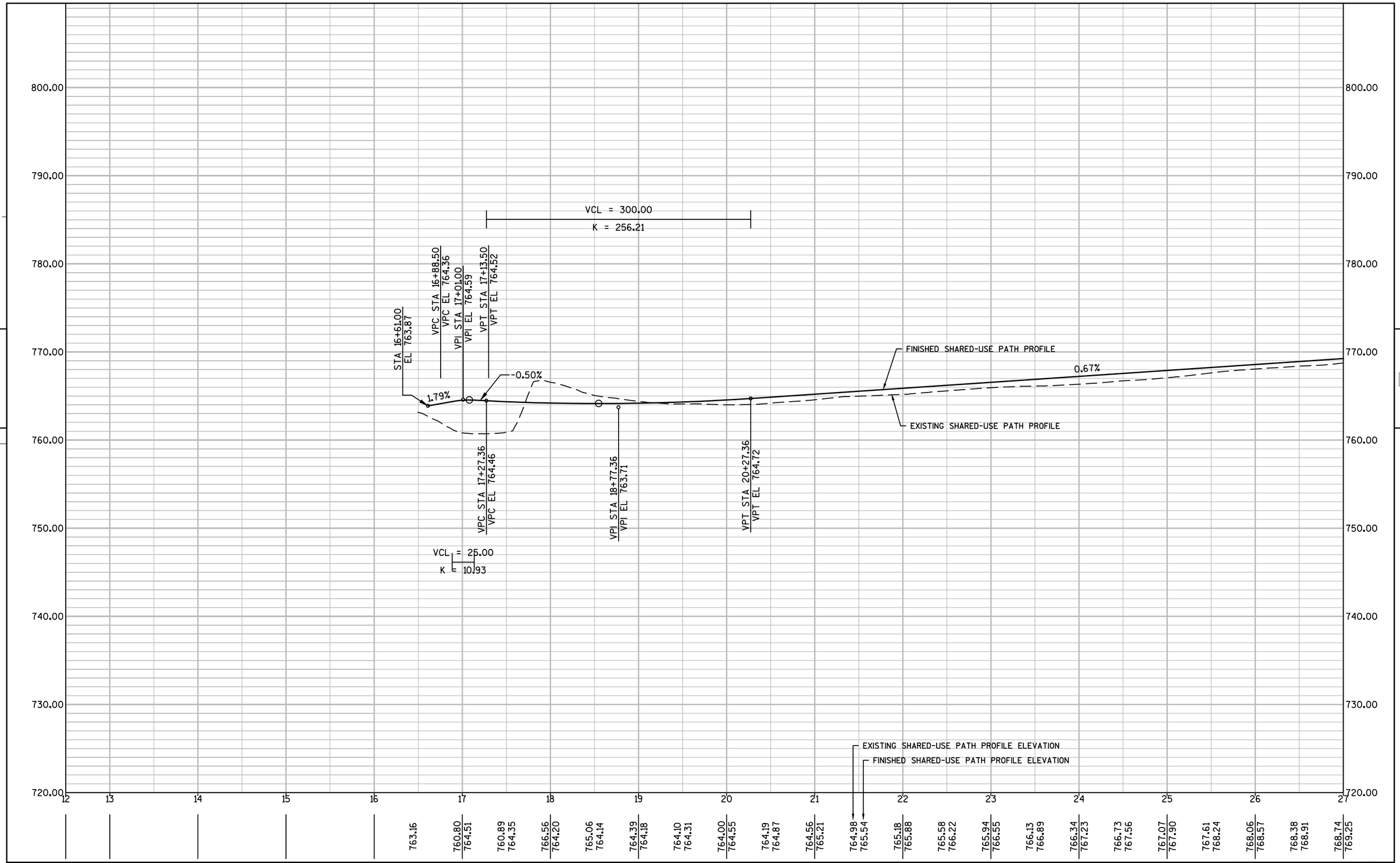
FINISHED PROFILE ELEVATION

PROPOSED DITCH PROFILE LEFT

STA 73+00.00
EL 766.88

764.70 764.84 765.17 764.80 765.04 765.87 765.86 767.49 766.94 770.32 768.03 773.64 768.92 777.84 769.47 782.42 769.97 786.77 770.47 790.01 770.97 793.01 771.47 795.33 771.97 797.00 772.47

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: STH 142	SHEET 261	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SHARED USE PATH PROFILE	SHEET 262	E

BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44
4	STA 88+96, 40' RT	ALUMINUM CAP ON FENO MONUMENT	777.70

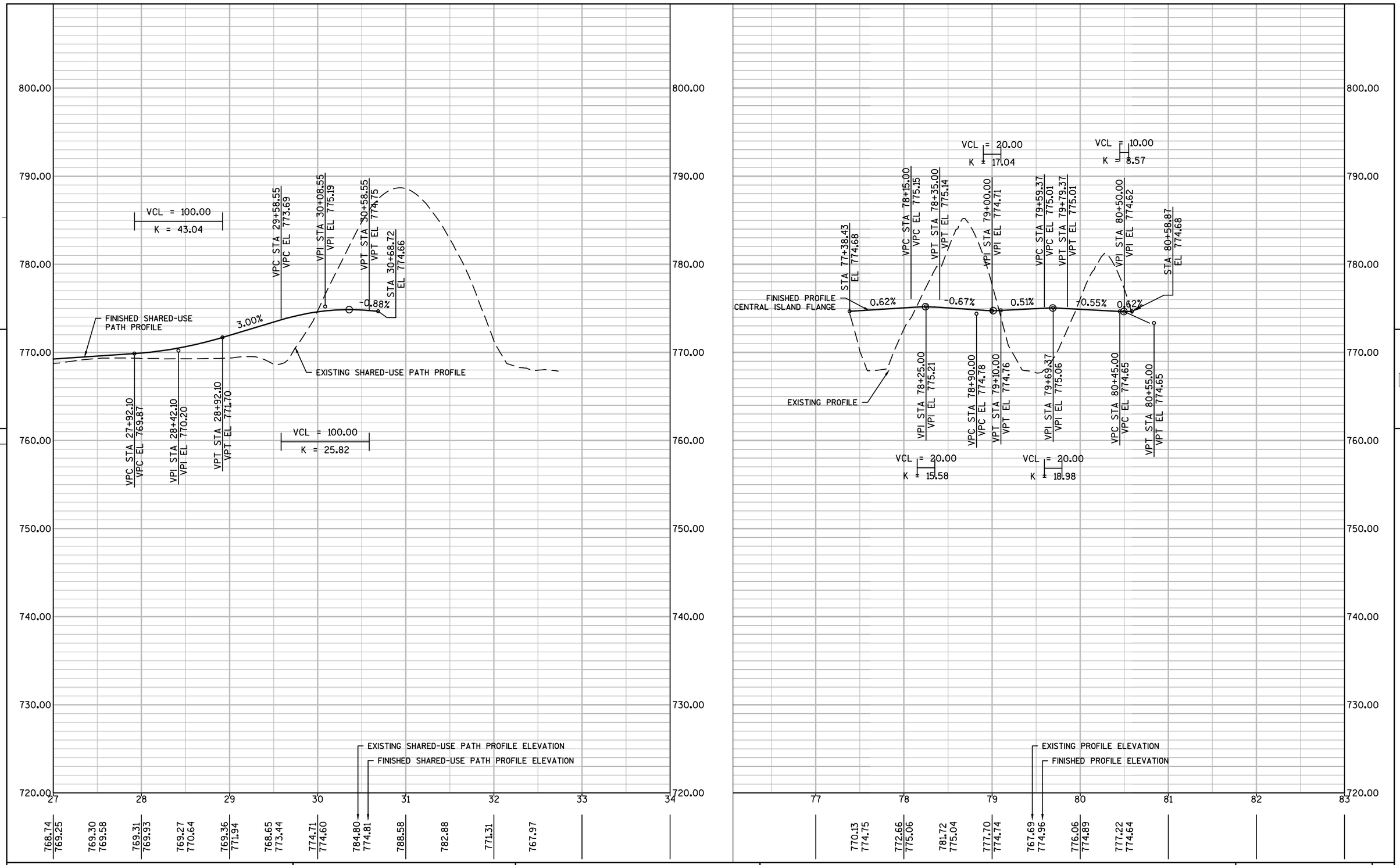
BUSHNELL PARK
TOWN OF BURLINGTON
CITY OF BURLINGTON
GATEWAY TECHNICAL COLLEGE PARKING
McCANNA PKWY
WHITE RIVER STATE TRAIL
STA 77+88.29 STH 142=
STA 9+01.15 McCANNA PKWY
PROPOSED SHARED-USE PATH
SEE NEXT SHEET FOR
PROFILE INFORMATION
McCANNA PKWY C/L
5' CONCRETE SIDEWALK
CURB RAMP TYPE 7B
CURB RAMP TYPE 5
1-18" CPCS
2 APRON
ENDWALLS REQ'D
BM 3
ASPHALTIC FLUME REQ'D
SLOPE INTERCEPT
REMOVE DRIVEWAY
35' COMMERCIAL ENTRANCE
WARRENVILLE CORP
PROPOSED TRAIL R/L
REMOVE GUARDRAIL
REMOVE INLET
STH 142
BP: 77+38.43
EP: 80+38.81
S54°21'42"E
STH 142 R/L
BM 2
BM 4
MATCHLINE
REMOVE OLD STRUCTURE B-51-18
3 SPAN 36" CONTINUOUS PRESTRESSED CONCRETE OPEN GIRDER
190.6' OVERALL LENGTH
46.7' OVERALL WIDTH
CENTRAL ISLAND FLANGE R/L
WHITE RIVER STATE TRAIL C/L
EXISTING BIKE TRAIL
35' COMMERCIAL ENTRANCE HMA
1-18" CPCS
2 APRON
ENDWALLS REQ'D
STA 83+10
REMOVE CONCRETE CATTLE PASS
42' OVERALL LENGTH
3.5' OVERALL WIDTH
5' OVERALL HEIGHT
11' PRIVATE ENTRANCE HMA
1-18" CPCS
2 APRON
ENDWALLS REQ'D

McCANNA PKWY

PROPOSED DITCH PROFILE LEFT
STA 73+00.00 EL 766.88
STA 74+00.00 EL 768.35
STA 76+00.00 EL 771.26
STA 76+15.00 EL 771.48
STA 76+20.00 EL 771.98
STA 76+28.00 EL 772.33
STA 76+37.44 EL 772.36
STA 78+00.00 EL 774.97
EXISTING PROFILE
FINISHED PROFILE
STA 79+59.00 EL 768.22
PROPOSED DITCH PROFILE RIGHT
EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION
VPC STA 81+30.52 EL 773.31
STA 81+85.77 EL 769.67
STA 81+85.77 EL 769.38
LOW POINT STA 82+26.02 EL 773.08
VPI STA 82+90.00 EL 772.52
STA 83+00.00 EL 769.95
STA 83+75.00 EL 770.62
STA 84+00.00 EL 770.60
VPT STA 84+49.48 EL 774.38
VPC STA 84+98.49 EL 774.96
STA 86+00.00 EL 772.76
STA 86+00.00 VPI STA 85+96.70 EL 776.11
STA 86+27.33 EL 773.37
HIGH POINT STA 86+73.98 EL 775.98
VPT STA 86+94.90 EL 775.97
STA 87+00.00 EL 775.96
STA 87+00.00 EL 773.26
VCL = 318.96
K = 191.00
VCL = 196.41
K = 150.00
END RECONSTRUCT
STA. 87+00
0.50%
1.46%
1.50%
10.00%
4.34%
0.30%
0.51%
0.50% 0.50%
0.64%
1.08%
1.09%
1.17%
-0.14%
0.50%

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: STH 142	SHEET 263 E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\050101_PP.DWG
PLOT DATE : 1/13/2017 12:19 PM
PLOT BY : BECKENDORF, RANDY
PLOT NAME :
PLOT SCALE : 1:100_XREF



PROJECT NO:3370-05-70	HWY: STH 142	COUNTY: RACINE	SHARED USE PATH AND CENTRAL ISLAND FLANGE PROFILES	SHEET 264	E

BENCHMARKS

NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44

CURVE 1
R= 220'
SE= NC
PC= STA 10+68.47
PI= STA 11+34.94
PT= 11+97.58
V= 30 MPH

TOWN OF BURLINGTON
BUSHNELL PARK
TOWN OF BURLINGTON
STA 77+88.29 STH 142=
STA 9+01.15 McCANNA PKWY
BM 2
BM 3
GATEWAY TECHNICAL COLLEGE PARKING
CURB RAMP TYPE 5
CURB RAMP TYPE 7B
SLOPE INTERCEPT
McCANNA PKWY R/L
CAUTION
CURB RAMP TYPE 7B
5' SIDEWALK EXTENSION
McCANNA PARKWAY
CURVE 1 5' CONCRETE SIDEWALK
SAVE TREE
CURB RAMP TYPE 2
20' ENTRANCE
SAVE TREES
EXTEND SIDEWALK TO STA 20+68 RT
STH 142
STH 142 R/L
WHITE RIVER STATE TRAIL
CITY OF BURLINGTON
GATEWAY TECHNICAL COLLEGE
CITY OF BURLINGTON
BURLINGTON HIGH SCHOOL

MATCH STH 142
STA. 9+78.51

MATCH EXISTING
STA. 13+30

VCL = 100.00
K = 33.33

VCL = 100.00
K = 60.87

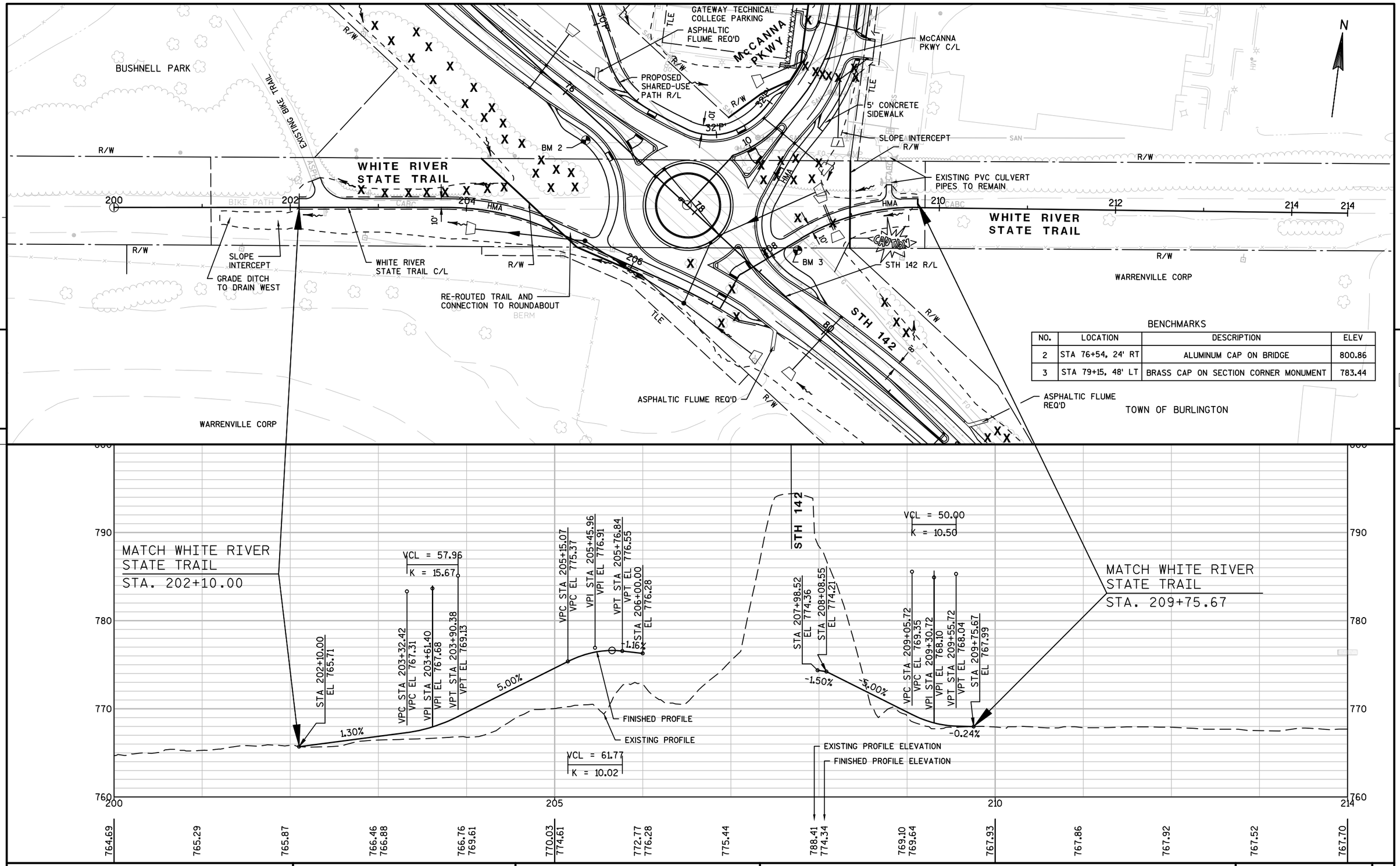
STA 9+78.51 EL 774.91
VPC STA 10+40.04 VPC EL 773.37
VPI STA 10+90.04 VPI EL 772.12
VPT STA 11+40.04 VPT EL 772.37
VPC STA 11+85.09 VPC EL 772.60
VPI STA 12+35.09 VPI EL 772.85
VPT STA 12+85.09 VPT EL 772.28
STA 13+30.00 EL 771.76

FINISHED PROFILE
EXISTING PROFILE
-2.50%
0.50%
-1.14%

EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

768.02	768.33 774.37	768.37 772.41	771.92 772.65	772.11 772.11	770.99	770.64	771.68	773.08	773.57	772.92	772.70	773.89

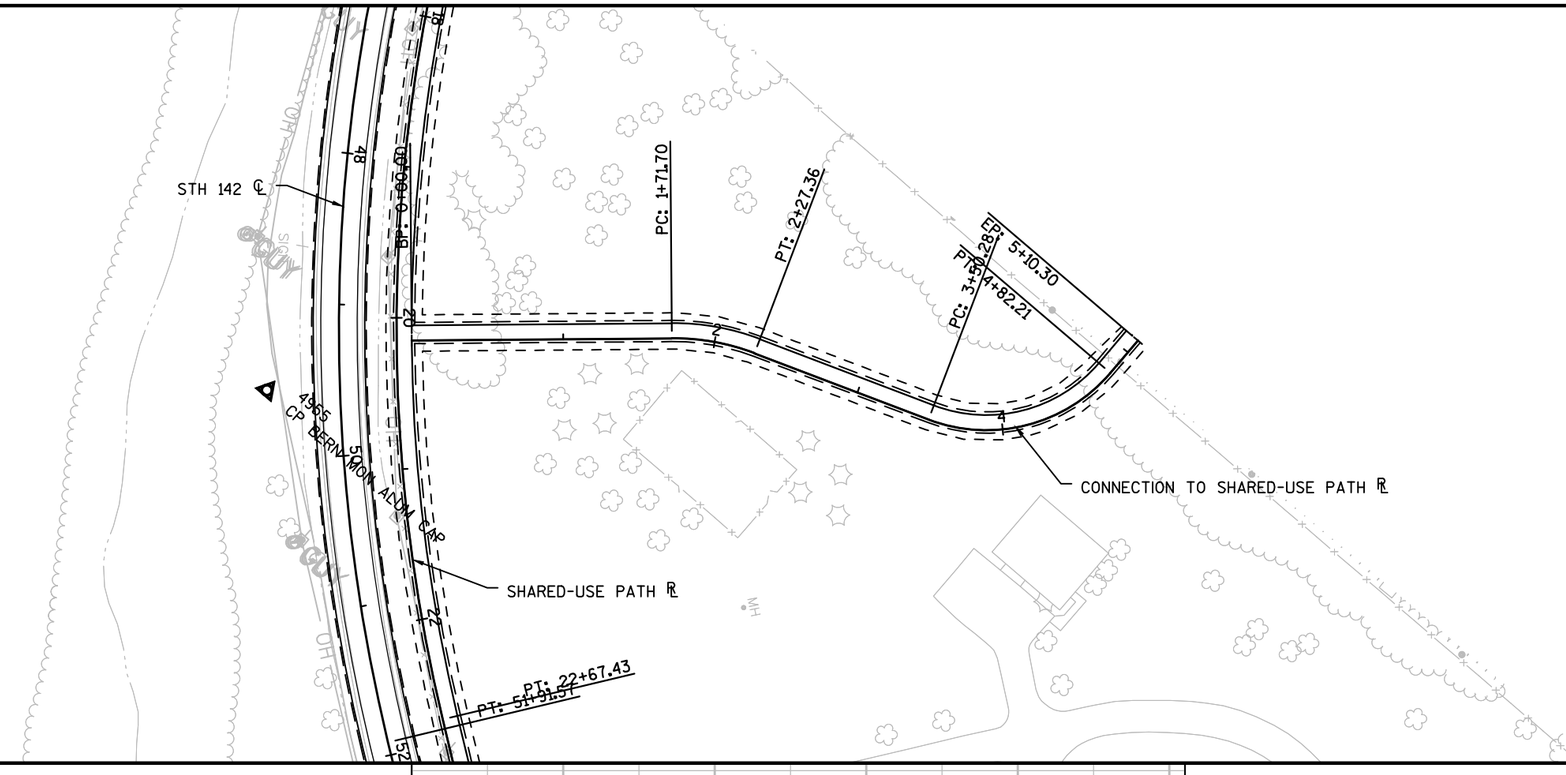
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: McCANNA PKWY	SHEET 265	E

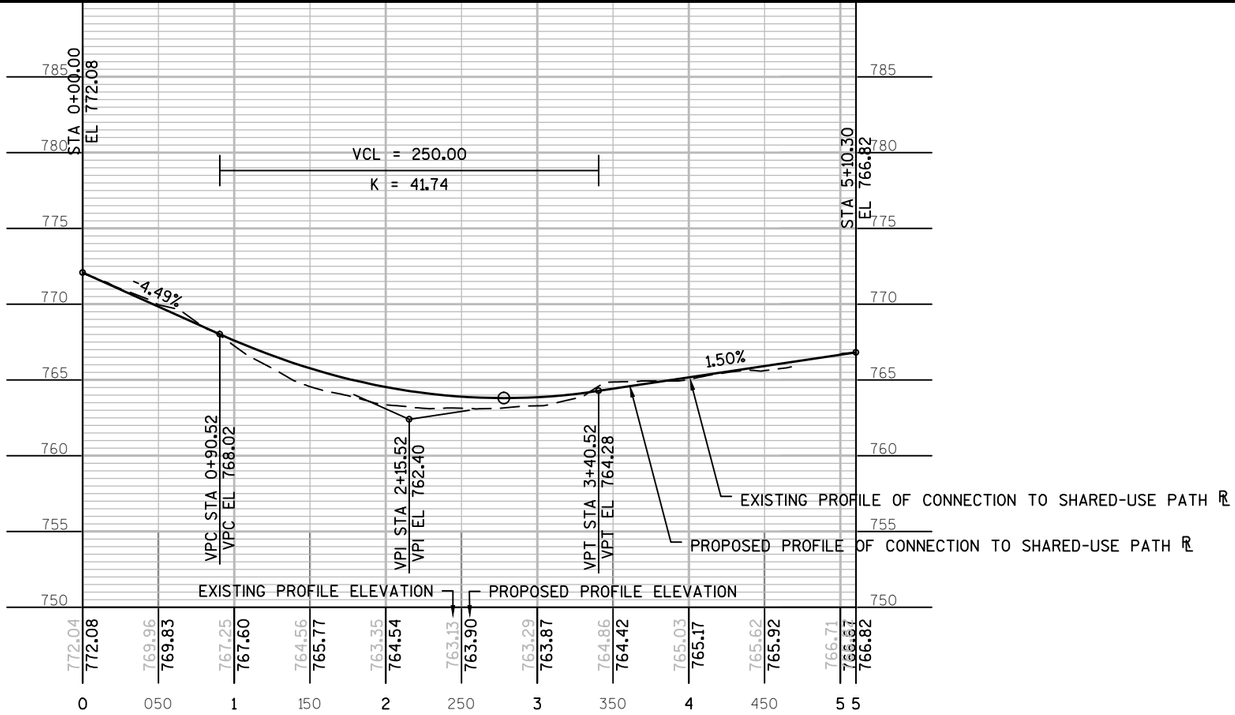


BENCHMARKS

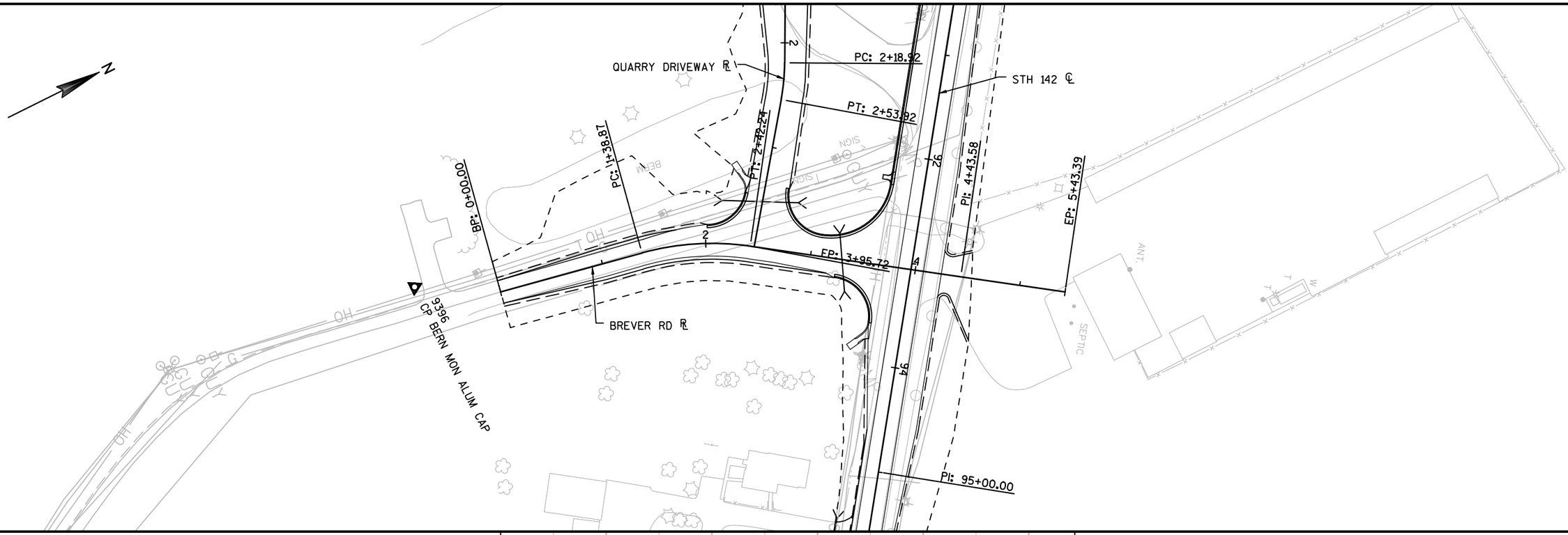
NO.	LOCATION	DESCRIPTION	ELEV
2	STA 76+54, 24' RT	ALUMINUM CAP ON BRIDGE	800.86
3	STA 79+15, 48' LT	BRASS CAP ON SECTION CORNER MONUMENT	783.44

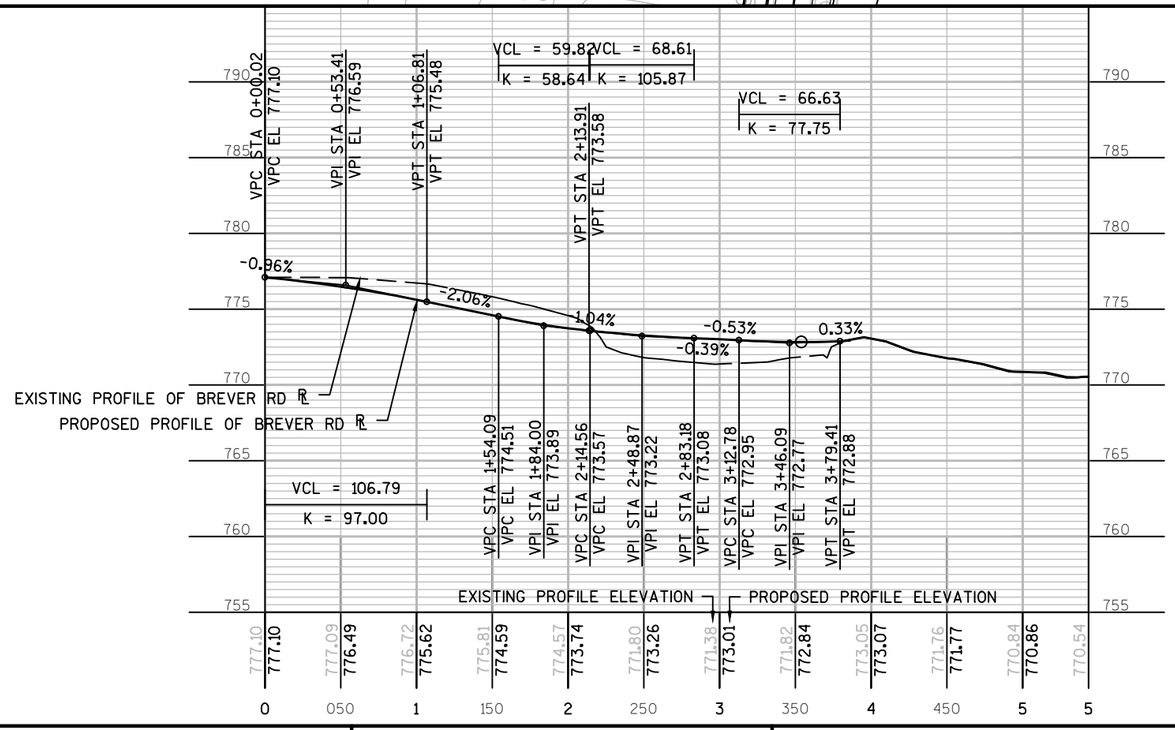
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: WHITE RIVER STATE TRAIL	SHEET 266	E





PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: CONNECTION TO MULTI-USE PATH	SHEET 267 E



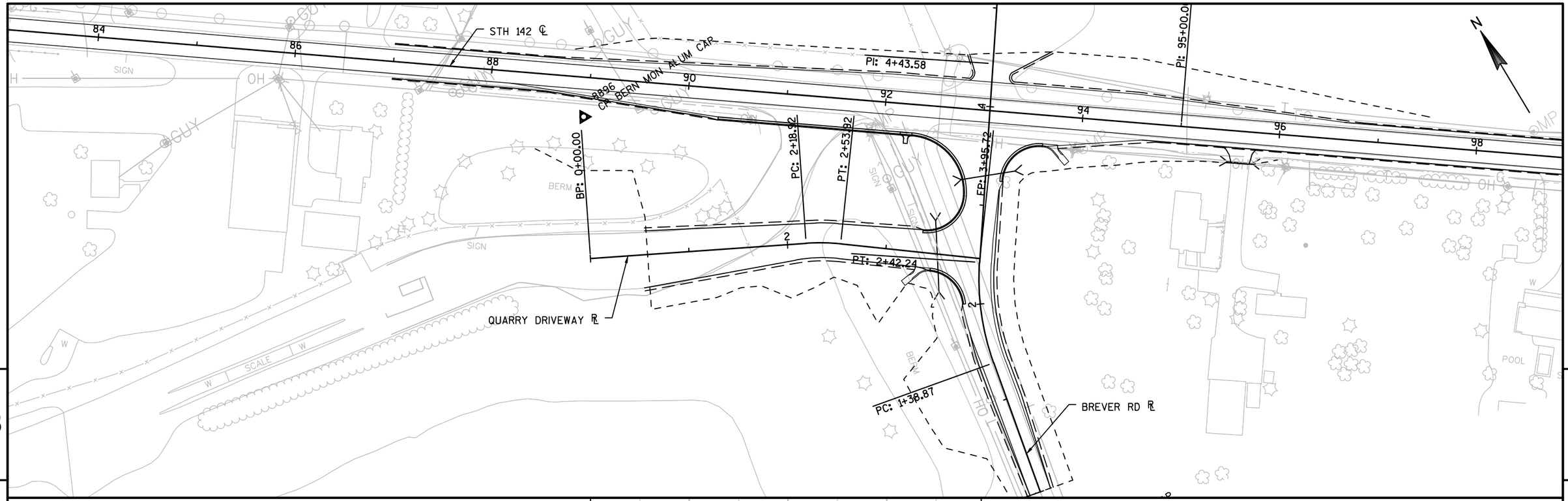


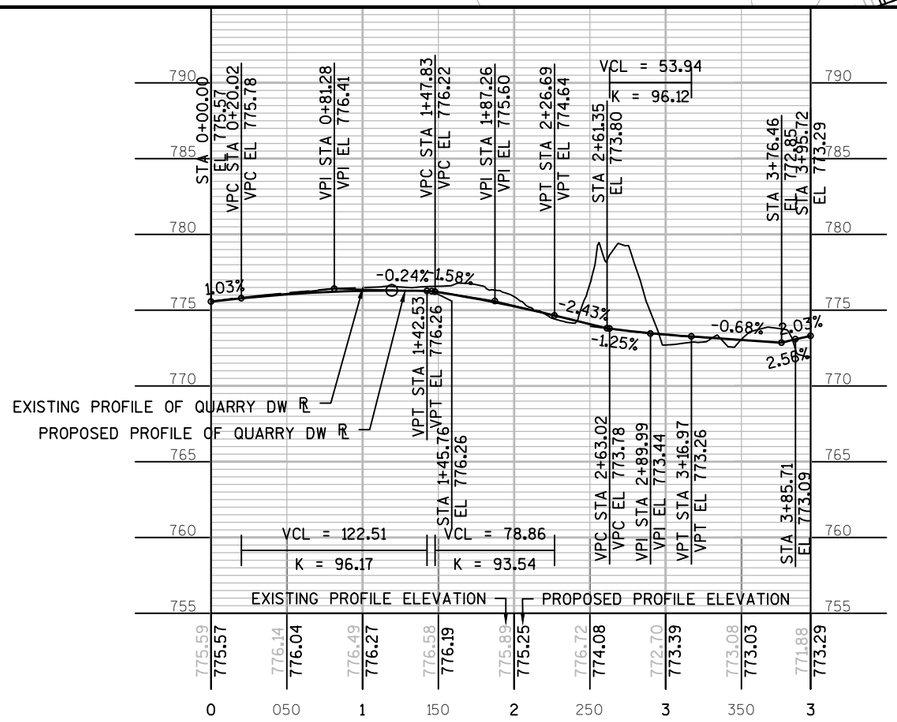
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: BREVER RD	SHEET 268 E

FILE NAME : N:\PDS\C3D\CAD\33700500\050200_PP.DWG
LAYOUT NAME - (04)_PP

PLOT DATE : 10/7/2016 3:54 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



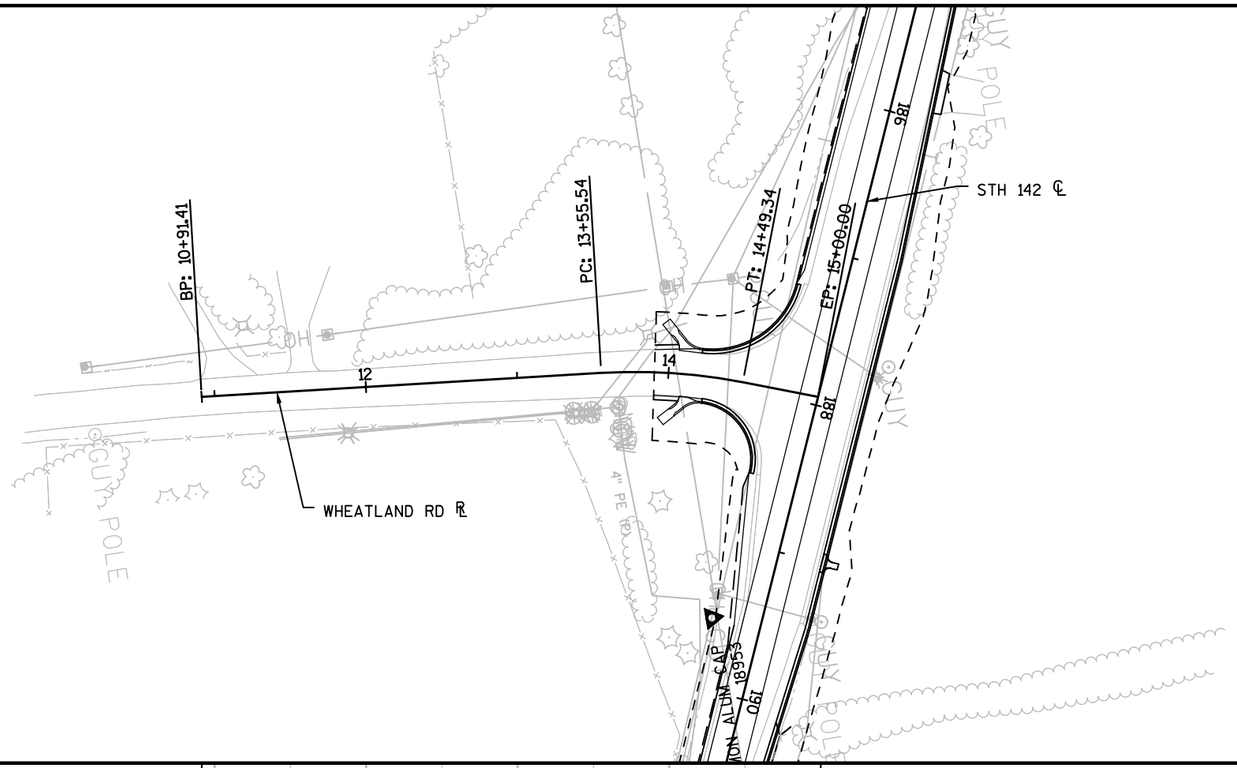


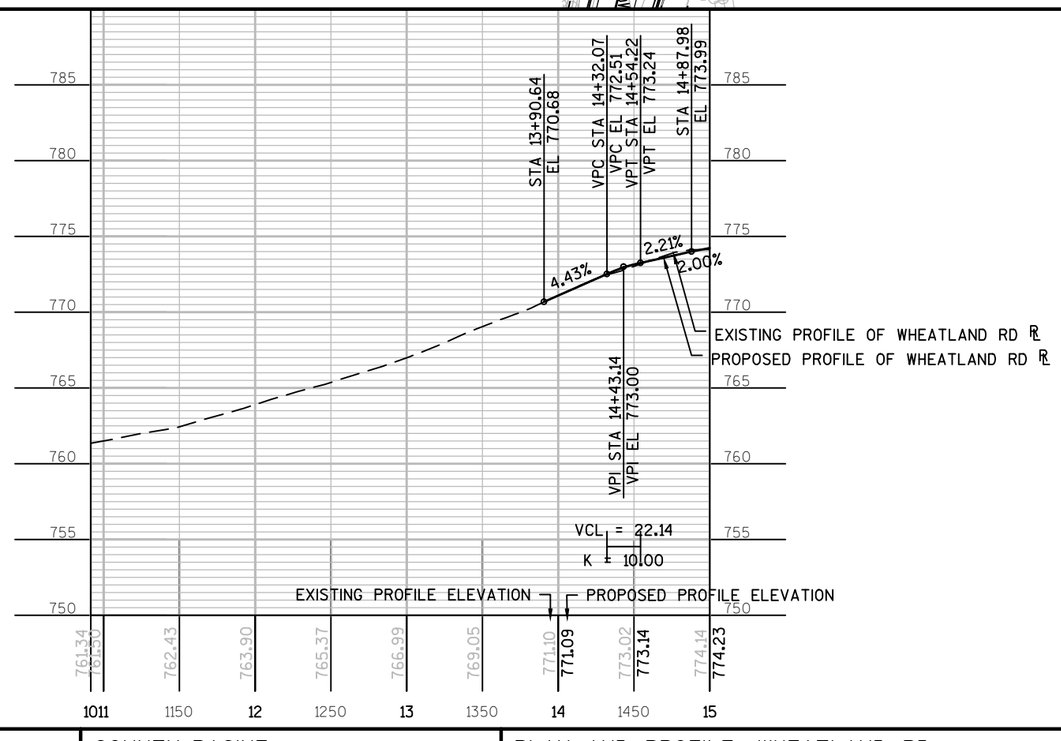
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: QUARRY DRIVEWAY	SHEET 269	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050200_PP.DWG
LAYOUT NAME - (05)_PP

PLOT DATE : 10/7/2016 3:54 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44



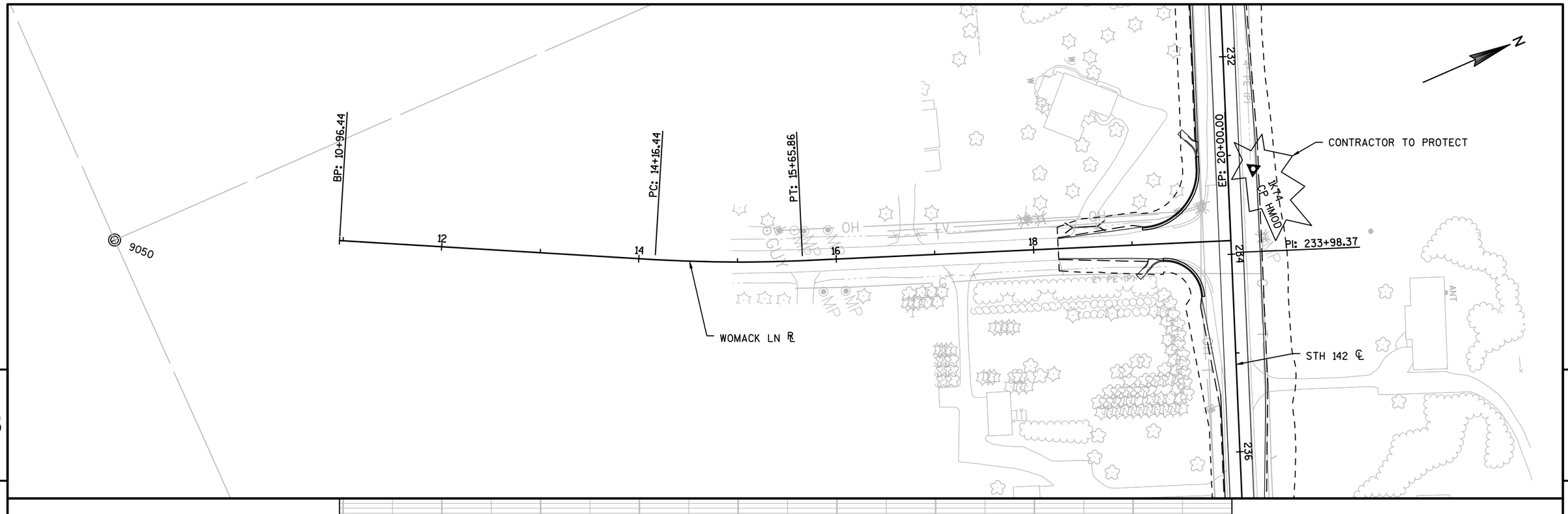


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: WHEATLAND RD	SHEET 270	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050200_PP.DWG
LAYOUT NAME - (06)_PP

PLOT DATE : 10/7/2016 3:54 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

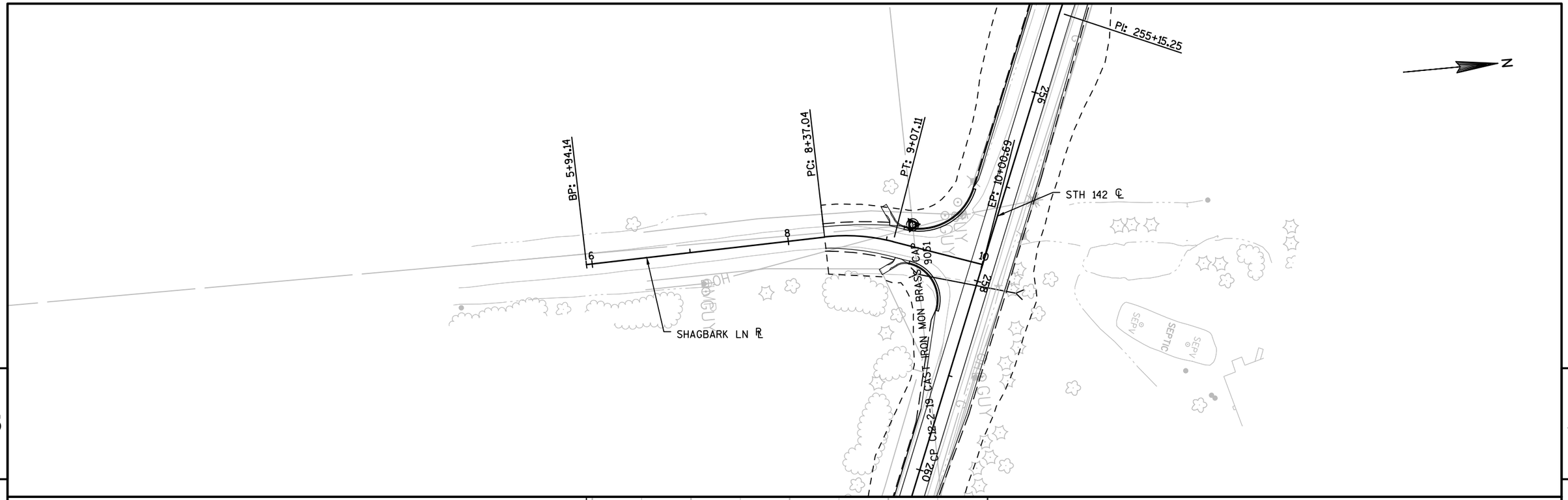


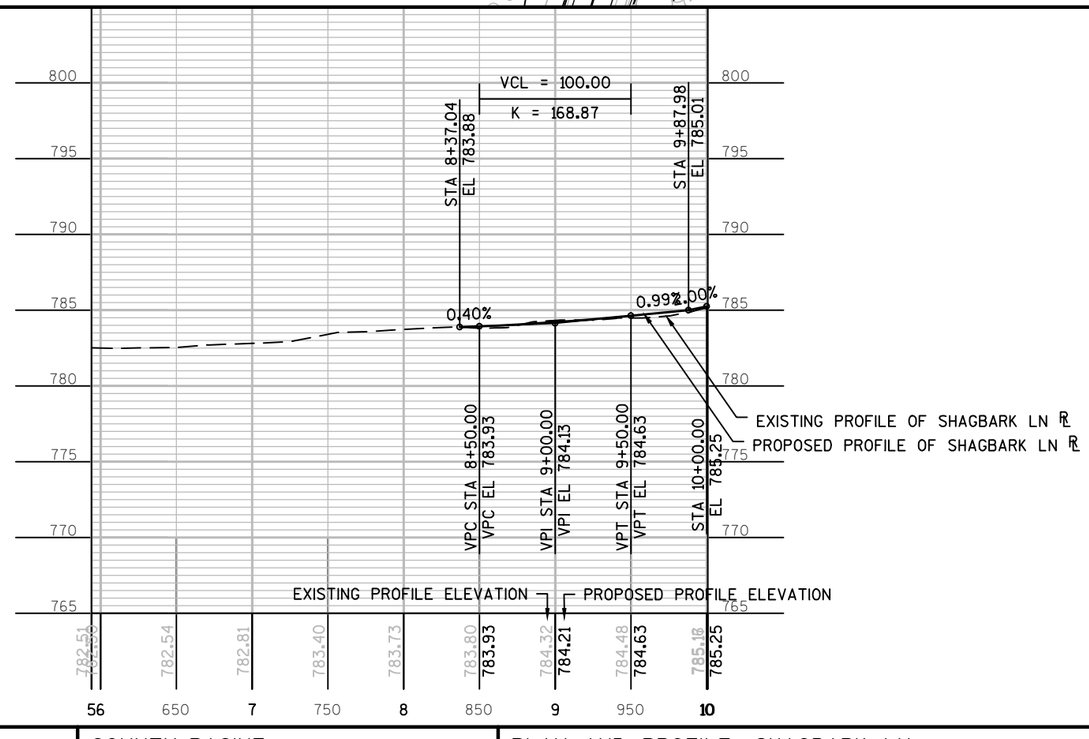
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: WOMACK LN	SHEET 271	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050200_PP.DWG
LAYOUT NAME - (07)_PP

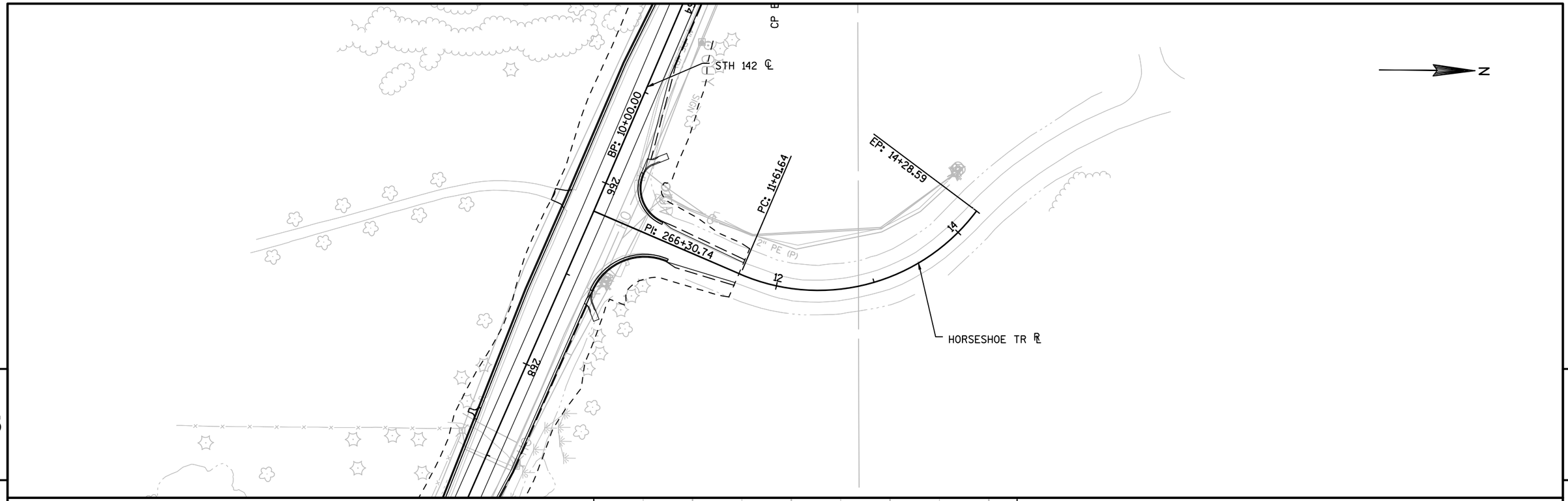
PLOT DATE : 10/7/2016 3:55 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

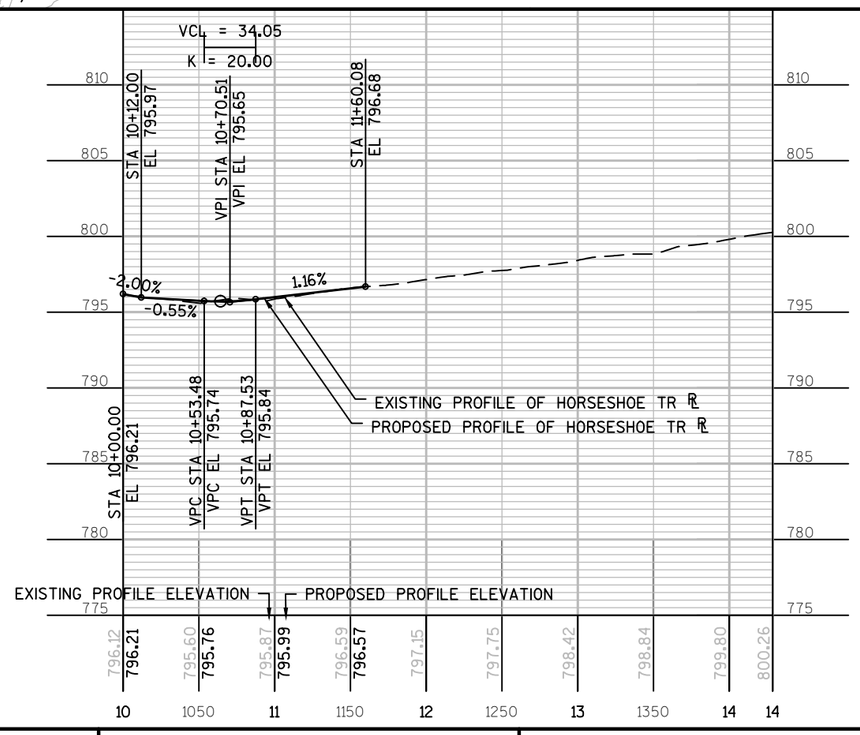
WISDOT/CADDS SHEET 44



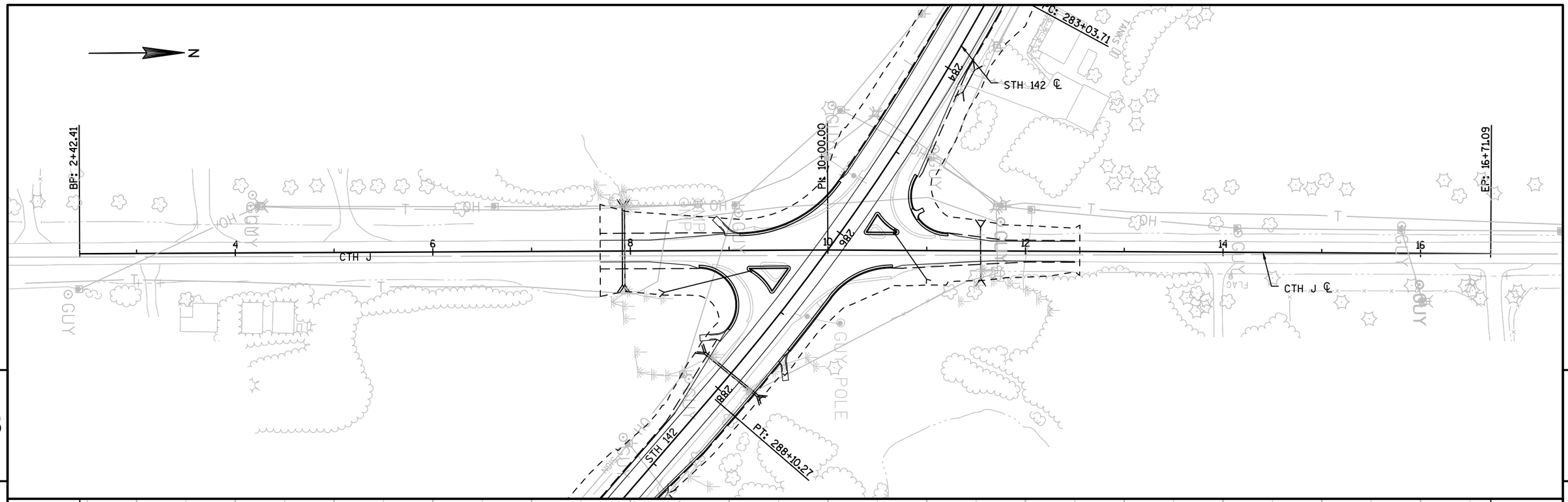


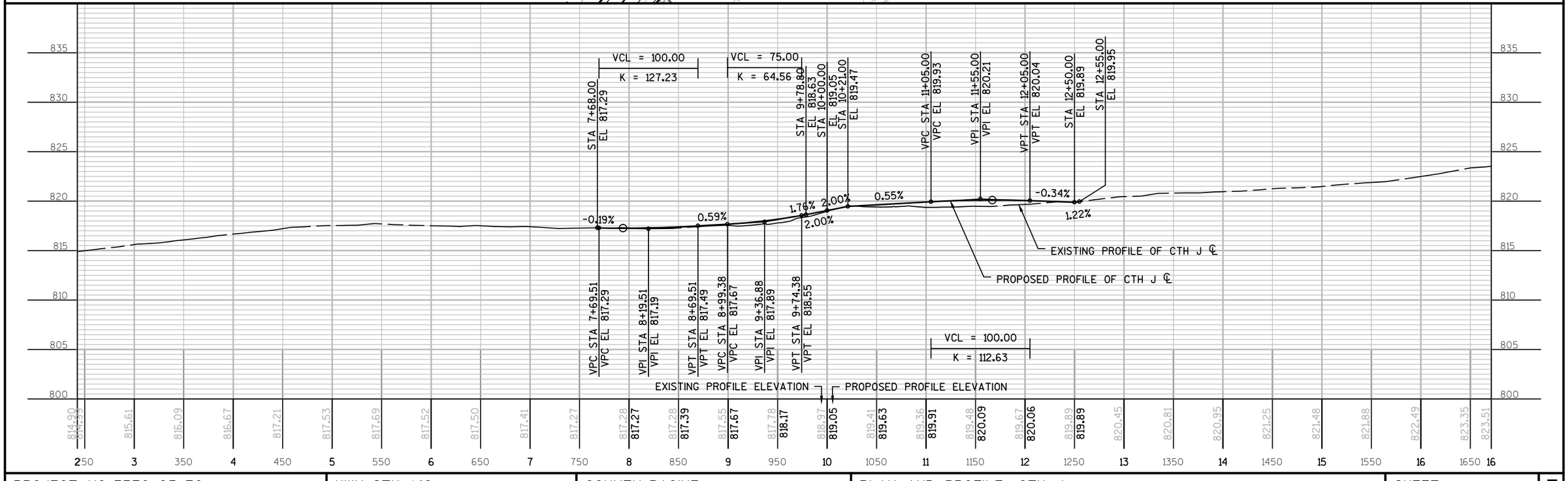
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: SHAGBARK LN	SHEET 272	E





PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: HORSESHOE TR	SHEET 273	E





PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	PLAN AND PROFILE: CTH J	SHEET 274	E

FILE NAME : N:\PDS\C3D\CAD\33700500\050200_PP.DWG
LAYOUT NAME - (10)_PP

PLOT DATE : 10/7/2016 3:55 PM PLOT BY : SCHMIDT, JUDENE M PLOT NAME : PLOT SCALE : 1 IN:100 FT

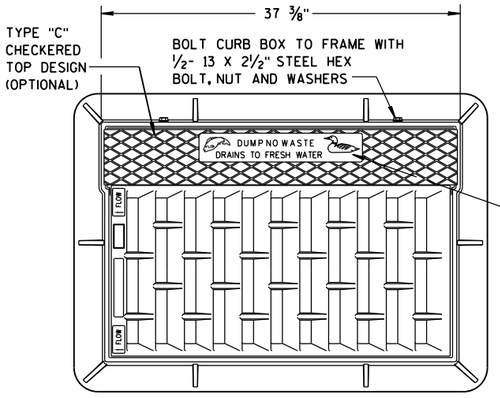
Standard Detail Drawing List

08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08B11-01	MANHOLES VARIABLE TEE AND SPECIAL 4-FT DIAMETER
08C06-01	INLETS 3-FT AND 4-FT DIAMETER
08C07-01	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08D01-19	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-17A	CURB RAMPS TYPES 1 AND 1-A
08D05-17B	CURB RAMPS TYPES 2 AND 3
08D05-17C	CURB RAMPS TYPES 4A AND 4A1
08D05-17D	CURB RAMPS TYPE 4B AND 4B1
08D05-17E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08E05-02	SODDED BACKSLOPE FLUME AND INTERCEPTING EMBANKMENT
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F06-04	REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN
08F08-02	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS
09A01-13A	AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND D AND TEE INTERSECTION BYPASS LANE
09A01-13B	AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C05-09	CONCRETE CONTROL CABINET BASES
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
11B02-02	CONCRETE MEDIAN NOSE
13A10-01A	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01B	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01C	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A10-01D	2-LANE RURAL SHOULDER RUMBLE STRIP, MILLING
13A11-02A	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13A11-02B	2-LANE RURAL CENTER LINE RUMBLE STRIP, MILLING
13C01-18	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C18-03A	CONCRETE PAVEMENT JOINTING
13C18-03B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-03C	CONCRETE PAVEMENT JOINT TIES
13C18-03D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
13C18-03E	CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C05-03	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16C	PAVEMENT MARKING (CLIMBING LANE & PASSING LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-04	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C18-03	MEDIAN ISLAND MARKING
15C19-03A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C24-04	36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C29-03A	BICYCLE LANE MARKING
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D03-02	TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER
15D12-05A	TRAFFIC CONTROL, LANE CLOSURE

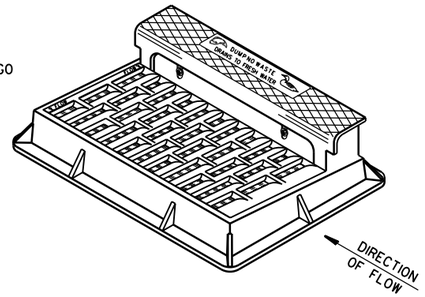
6

Standard Detail Drawing List

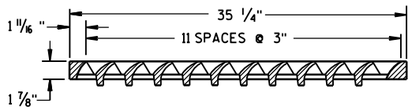
15D12-06A	TRAFFIC CONTROL, LANE CLOSURE
15D15-02	TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE
15D16-03	TRAFFIC CONTROL, EXIT RAMP CLOSURE
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION
15D30-03C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D32-04	TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION
15D33-04	TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS
15D37-01	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D37-02	TRAFFIC CONTROL, 2-LANE ROUNDABOUT
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS

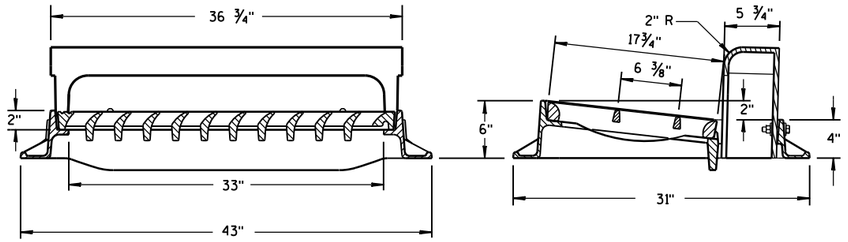


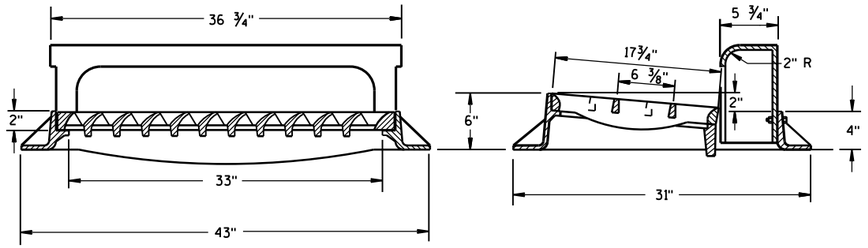
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

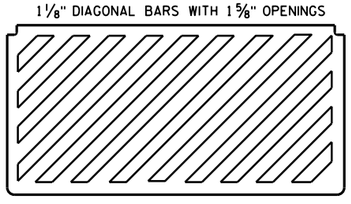






TYPE "H"

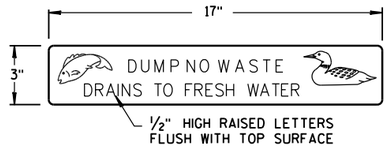
NOTE: EITHER CASTING IS ACCEPTABLE



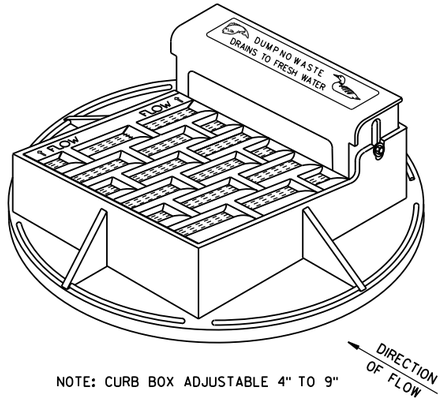
SPECIAL GRATE FOR TYPE "H" COVER

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

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

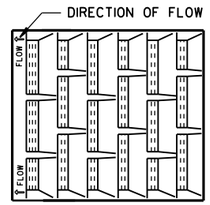
NOTE:
GRATE IS REVERSIBLE.

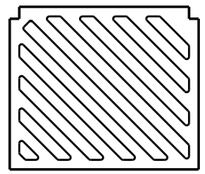
GENERAL NOTES

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

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

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

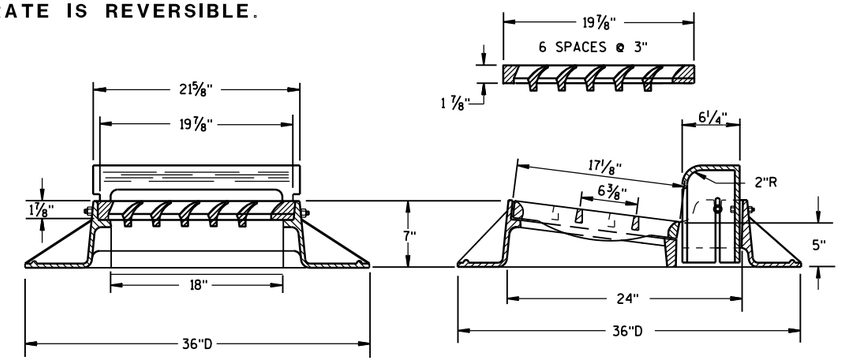




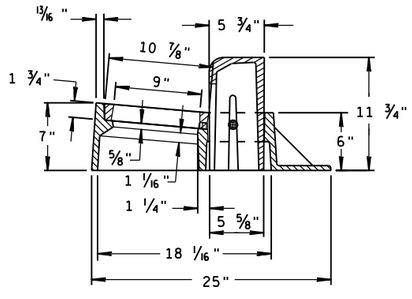
SPECIAL GRATE FOR TYPE "A" COVER

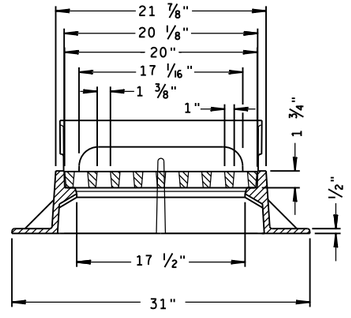
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

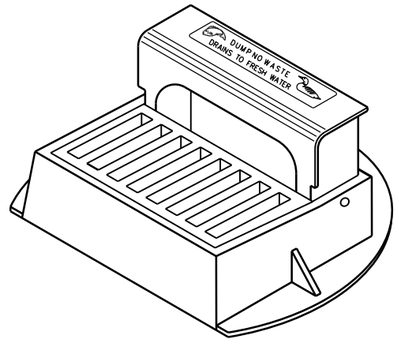


TYPE "A"





TYPE "Z"



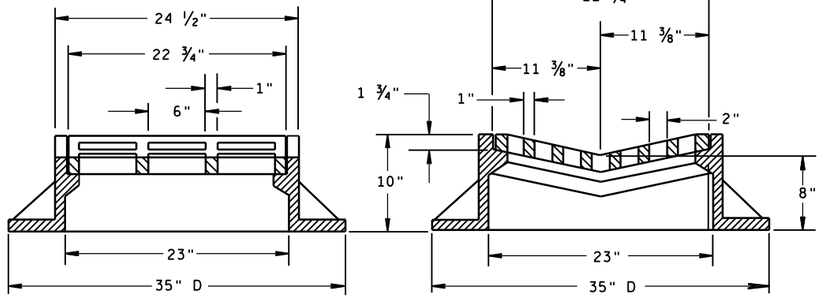
INLET COVERS
TYPE A, H, A-S, H-S & Z

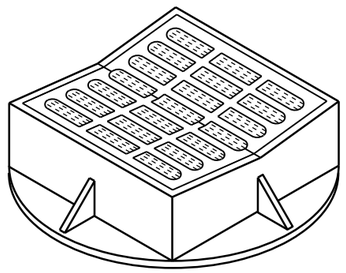
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

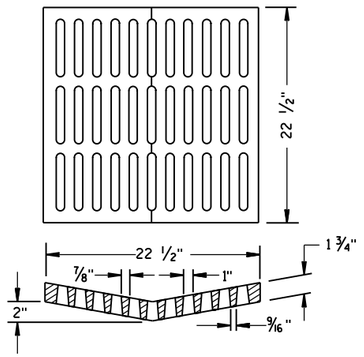
6

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



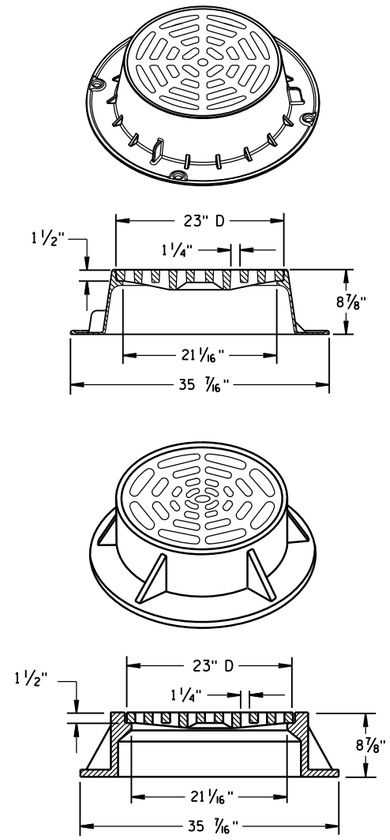


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

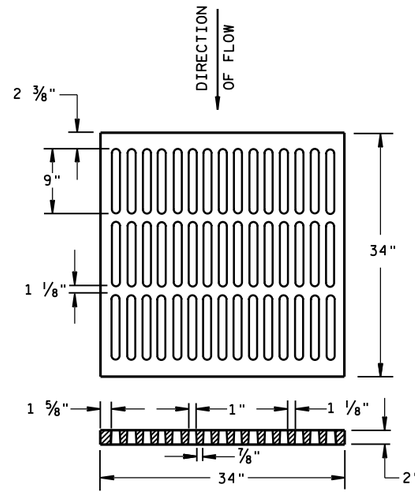
NOTE: EITHER CASTING IS ACCEPTABLE

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.

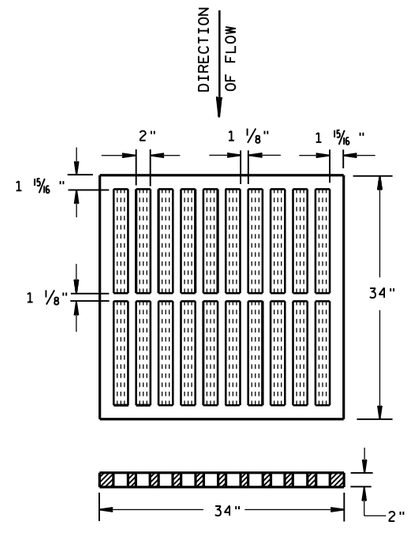
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



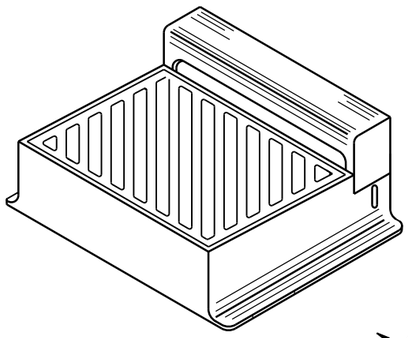
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

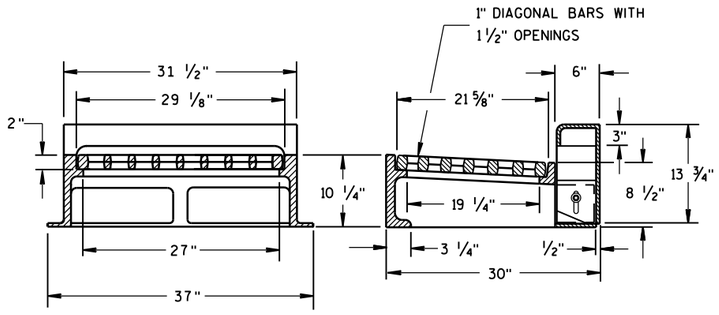


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

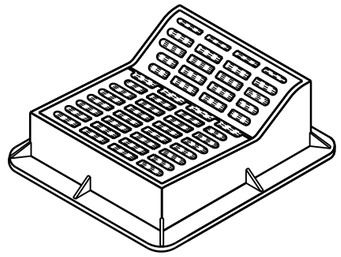
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

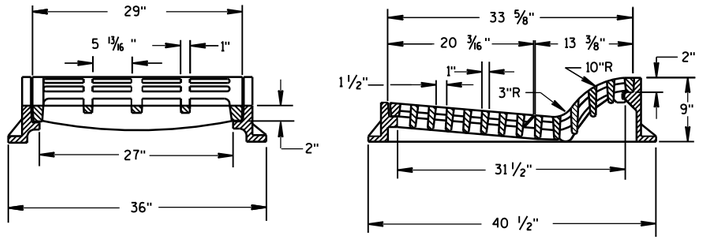
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

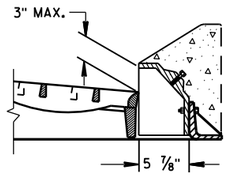
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

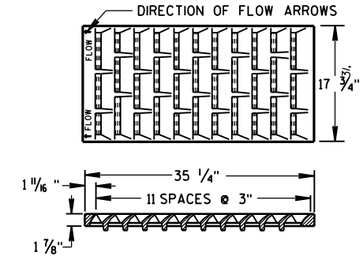
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

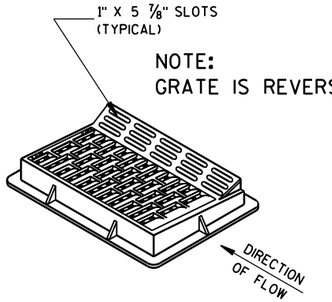
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

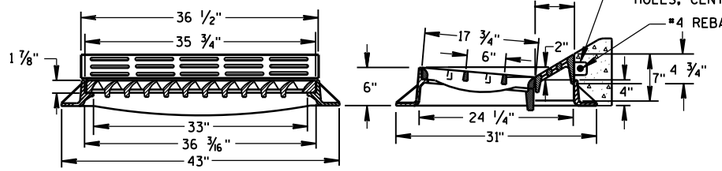
GENERAL NOTES

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

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



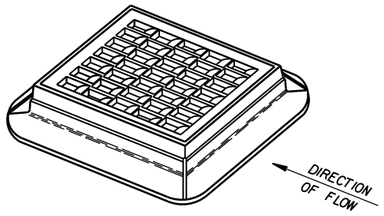


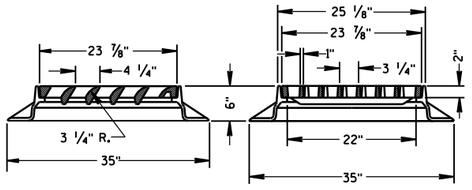


TYPE "HM"

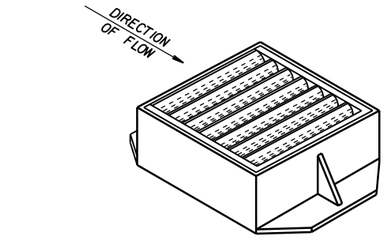
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

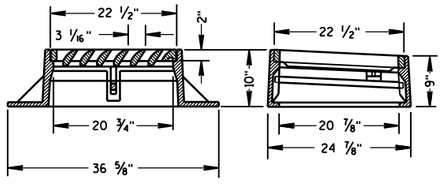
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



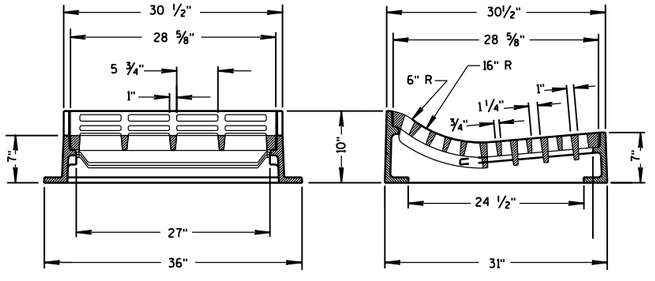


TYPE "S"



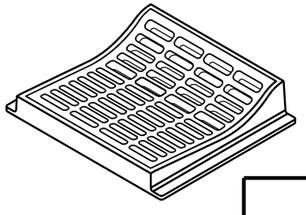


TYPE "V"



TYPE "T"

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



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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

279

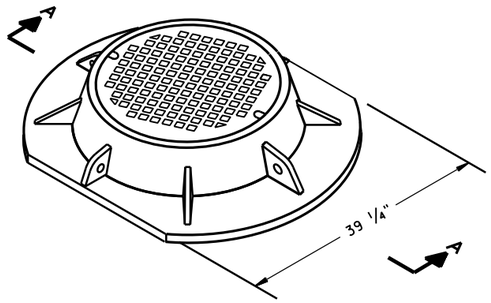
FHWA

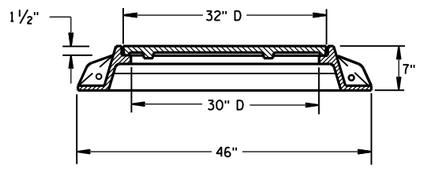
6

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

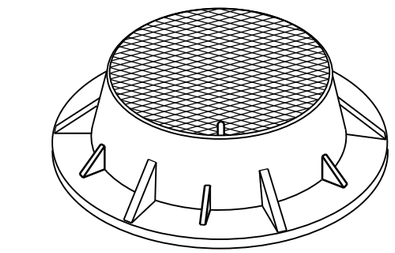
6

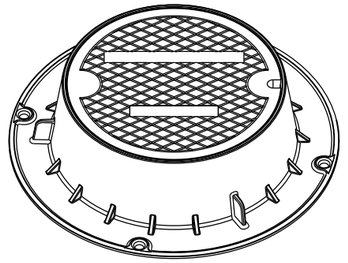
S.D.D. 8 A 5-19c

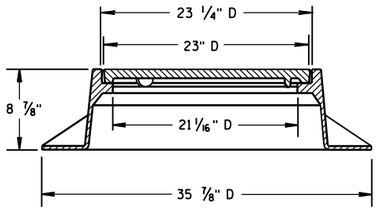


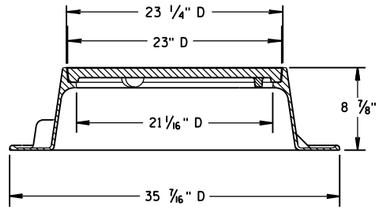


SECTION A-A
TYPE "K"









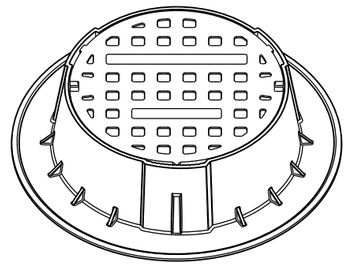
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

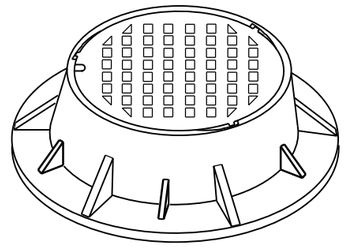
GENERAL NOTES

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

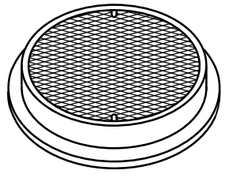
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

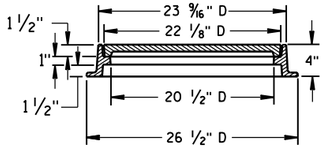
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



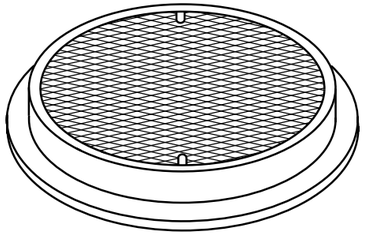


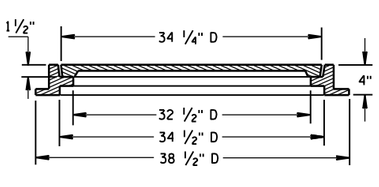
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



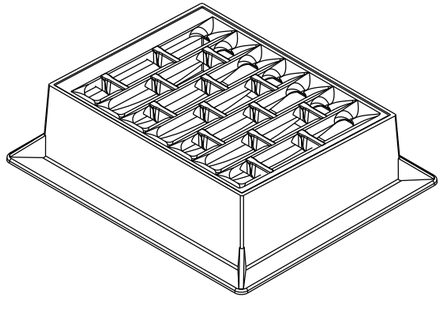


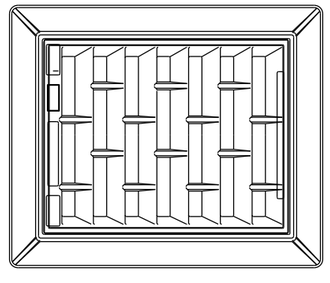
TYPE "L"

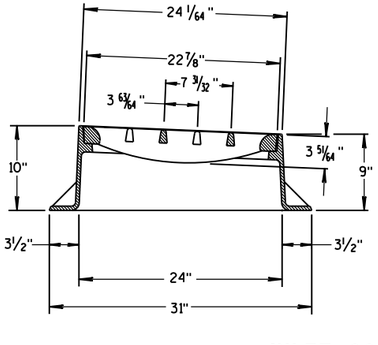


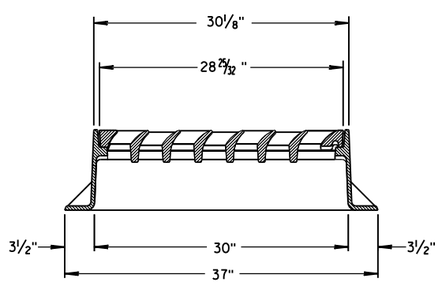


TYPE "M"









INLET COVER TYPE "BW"

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

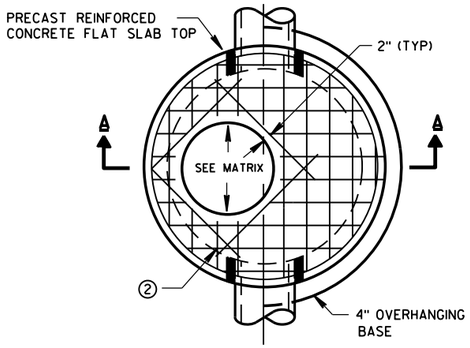
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

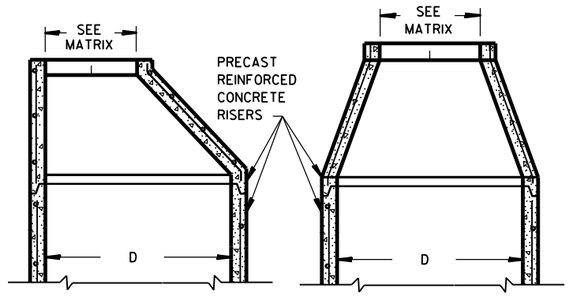
S.D.D. 8 A 5-19d

6

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

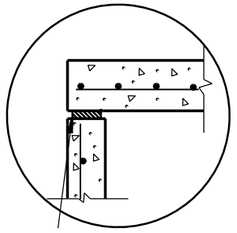


PLAN VIEW CIRCULAR OPENING

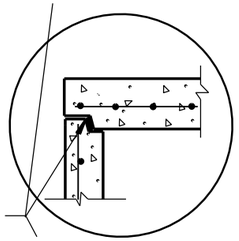


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

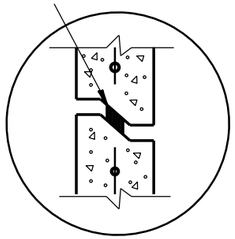


TOP WITH PLAIN END JOINT



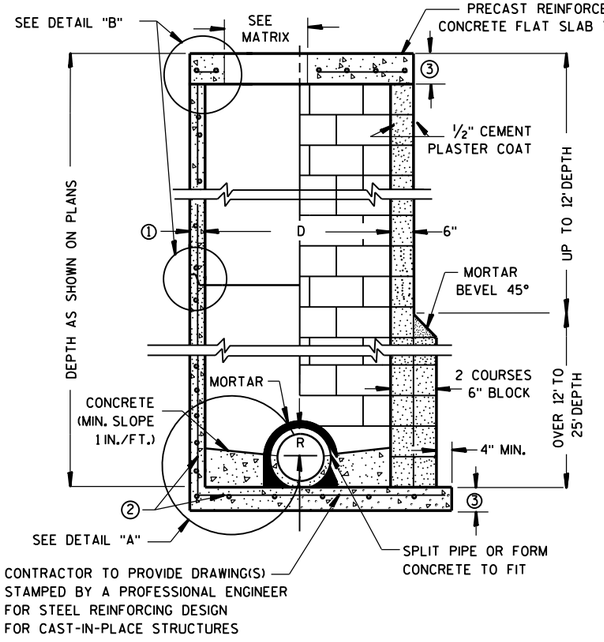
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



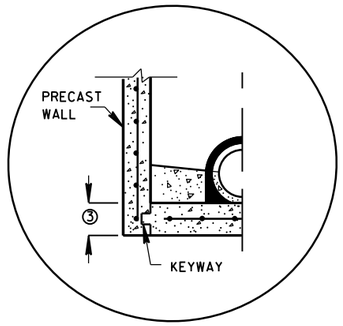
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

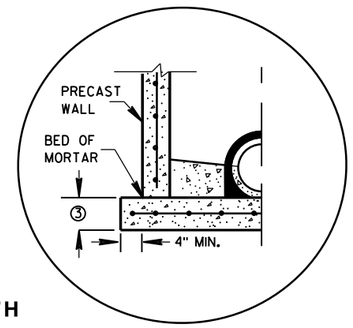


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

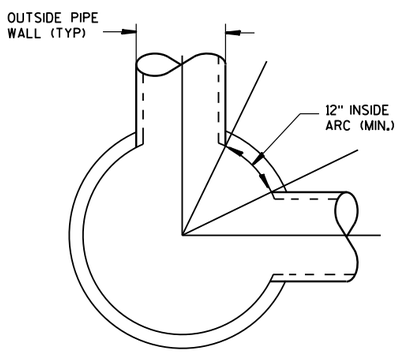


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

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 GRANULAR BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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.

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, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

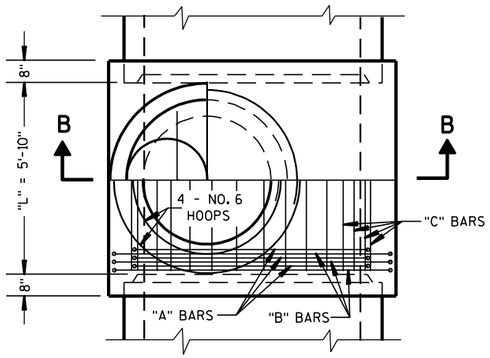
MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

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

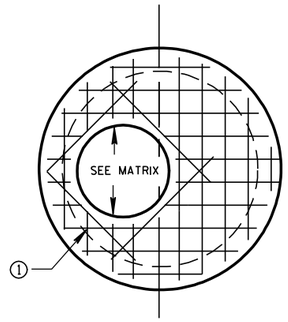
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

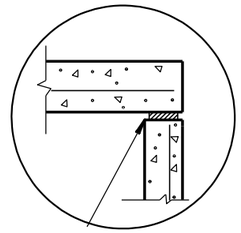
6
S.D.D. 8 B 9-1



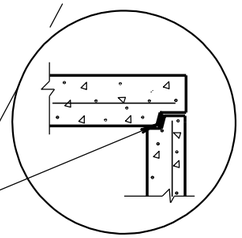
HALF SECTION A-A



PLAN VIEW PRECAST REINFORCED CONCRETE FLAT SLAB TOP WITH ECCENTRIC OPENING

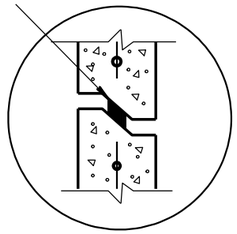


TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT

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



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "A"

GENERAL NOTES

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

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

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

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 4T-L", "MANHOLES 4S-M", ETC. THE VARIABLE TEE IS DENOTED BY 4T AND THE VARIABLE SPECIAL IS DENOTED BY 4S. THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

STEPS MEETING 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 $\frac{1}{2}$ 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.

PRECAST SECTIONS SHALL BE INSTALLED ON A BED OF MORTAR.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE OR CONCRETE BLOCK STRUCTURES. THE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

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.

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

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

ALL PRECAST MANHOLES SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

① FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE WITH AASHTO M 199.

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

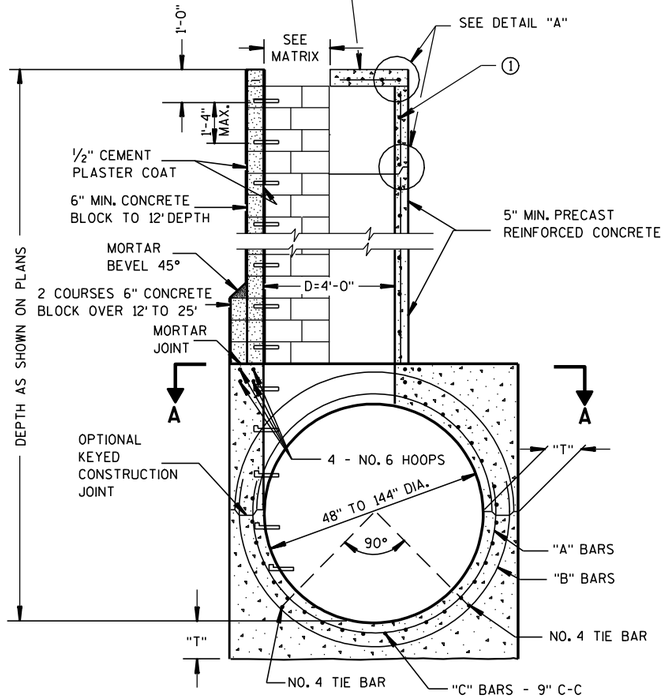
NOTES FOR MANHOLE VARIABLE SPECIAL 4-FT DIAMETER

NOTE: ALL "A", "B", AND "C" BAR STEEL REINFORCING IS THE SAME DIAMETER WHICH VARIES WITH DEPTH.
NO. 5 BARS TO 20' DEPTH
NO. 6 BARS OVER 20' TO 30' DEPTH
NO. 7 BARS OVER 30' TO 40' DEPTH

THE "A" AND "B" BARS MAY BE PLACED IN ONE OR TWO SEGMENTS, AND SHALL LAP 24 BAR DIAMETERS.

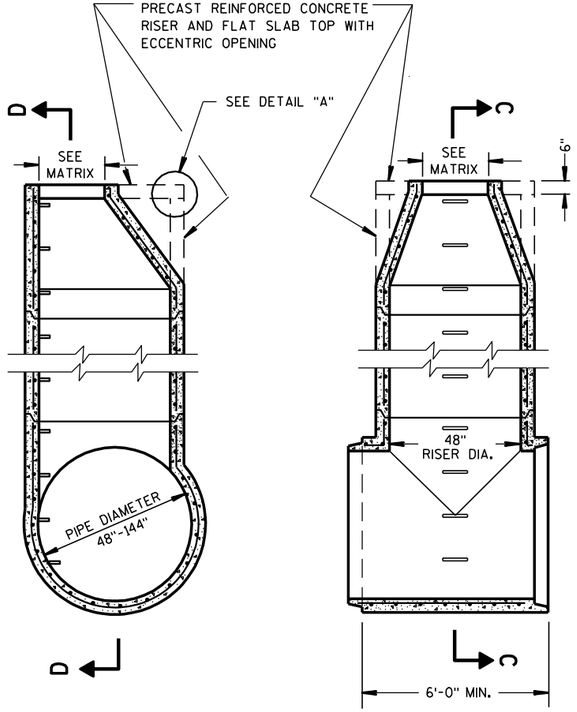
"C" BARS SHALL HAVE STANDARD HOOKED ENDS.

NOTE: "T" THROUGHOUT LENGTH "L" SHALL BE 13" FOR PIPE DIAMETER 48" TO 84" AND 15" FOR PIPE DIAMETER GREATER THAN 84".



SECTION B-B

MANHOLE VARIABLE SPECIAL 4-FT DIAMETER

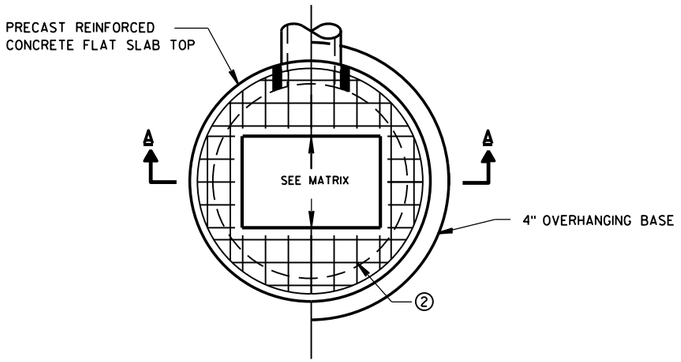


SECTION C-C

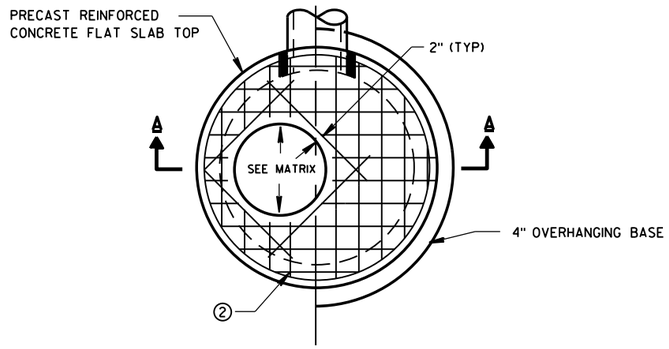
SECTION D-D

MANHOLE VARIABLE TEE 4-FT DIAMETER

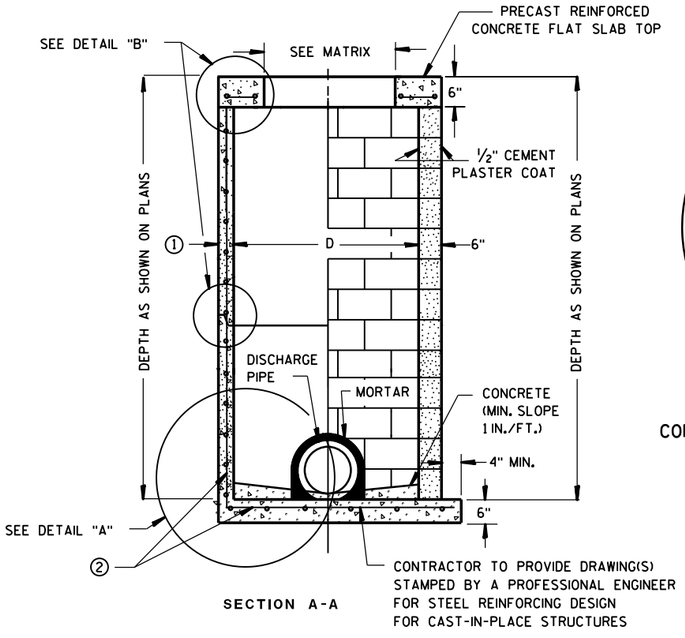
MANHOLE VARIABLE TEE AND SPECIAL 4-FT DIAMETER	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 6/5/2012 DATE	/S/ Jerry H. Zogg ROADWAY STANDARDS ENGINEER
FHWA	282



PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

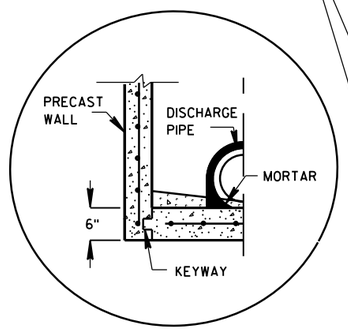


SECTION A-A

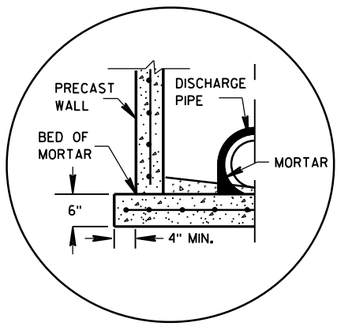
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

CIRCULAR INLETS W/ FLAT TOP

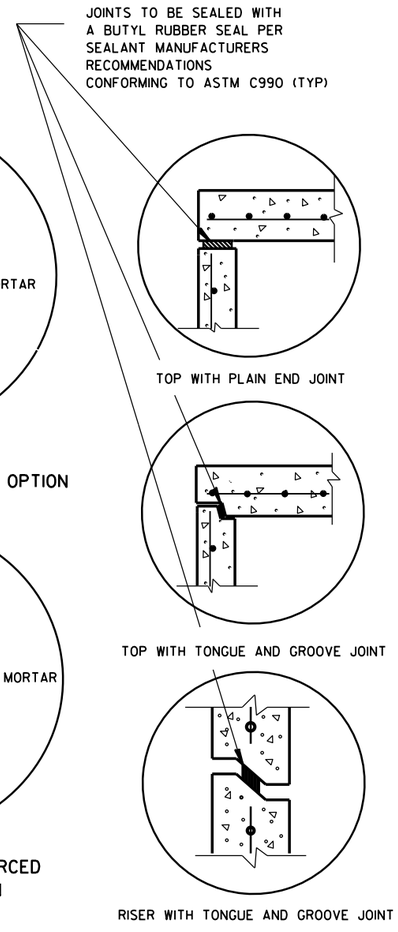


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "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 INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

ALL 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 GRANULAR 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.

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.

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.

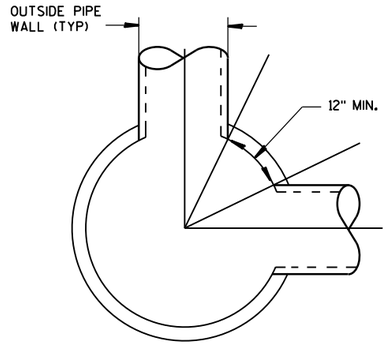
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

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

INLET COVER OPENING MATRIX

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



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

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S.D.D. 8 C 6-1

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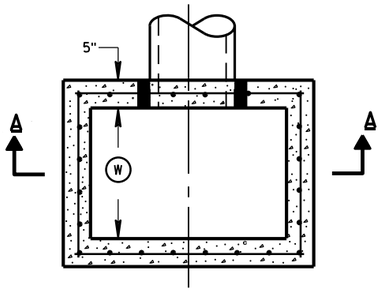
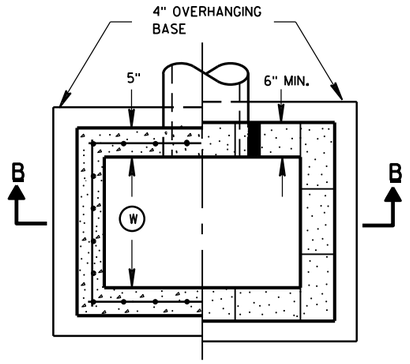
S.D.D. 8 C 6-1

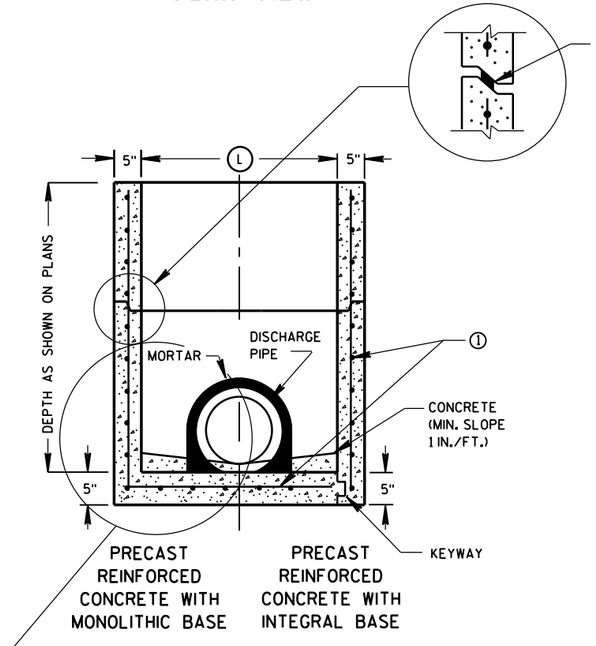
INLETS 3-FT AND 4-FT DIAMETER



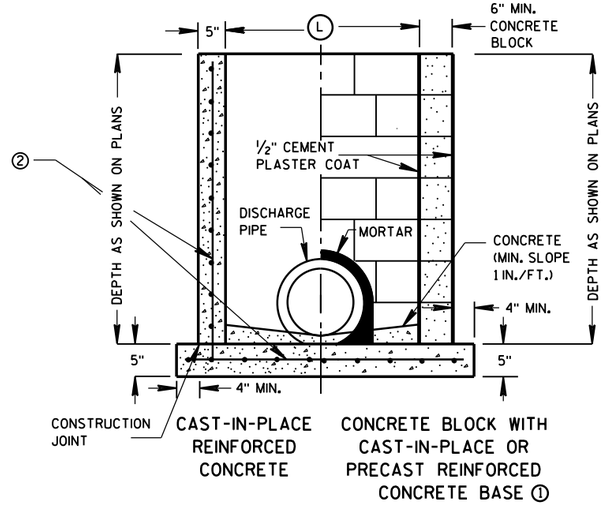
PLAN VIEW



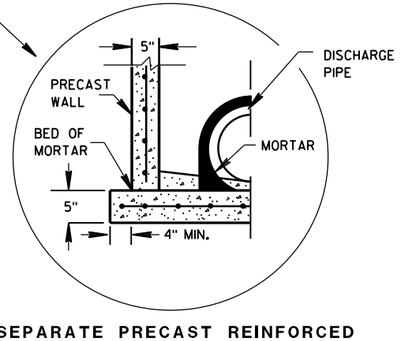
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

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 INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

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

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

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

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR 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 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

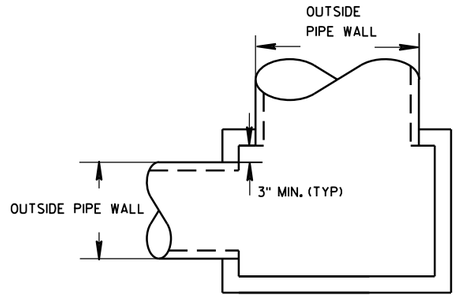
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012
DATE
FHWA

/S/ Jerry H. Zogg
ROADWAY STANDARDS DE
ENGINEER

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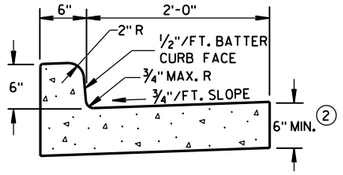
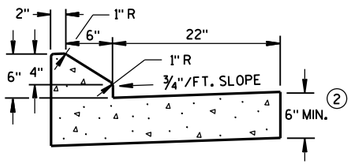
S.D.D. 8 C 7-1

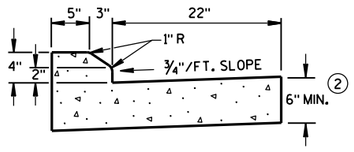
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



TYPES A & D ①

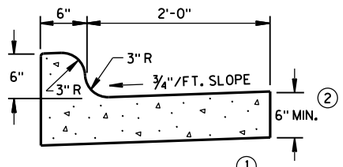


6" SLOPED CURB TYPES G & J ①

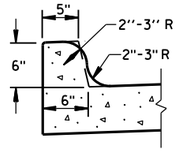


4" SLOPED CURB TYPES G & J ①

CONCRETE CURB & GUTTER 30"

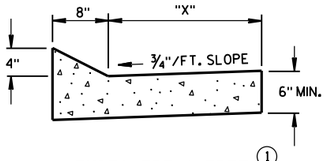


TYPES K & L ①



OPTIONAL CURB SHAPE FOR TYPES K & L ①

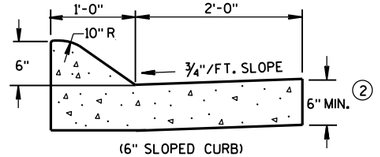
CONCRETE CURB & GUTTER 30"



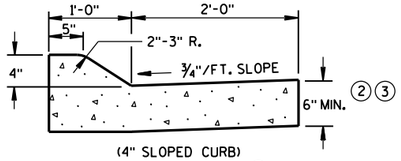
TYPES TBT & TBTT ①

CONCRETE CURB & GUTTER

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

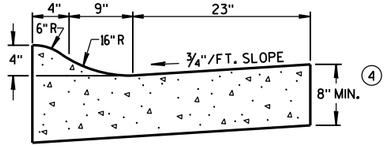


(6" SLOPED CURB)



(4" SLOPED CURB)

TYPES A & D ①



4" SLOPED CURB TYPES R & T ①⑤

CONCRETE CURB & GUTTER 36"

GENERAL NOTES

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

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

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

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

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

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

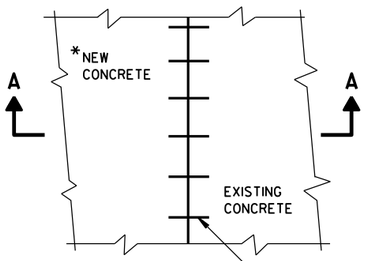
② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

③ USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

④ THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

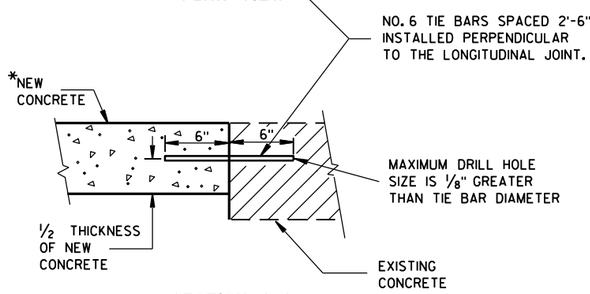
⑤ THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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



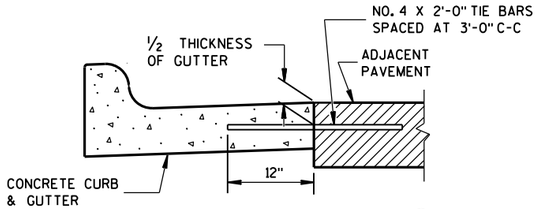
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

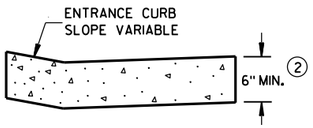


SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT

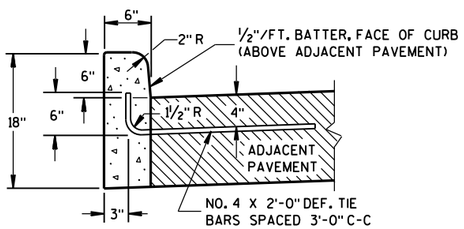


TYPICAL TIE BAR LOCATION ①

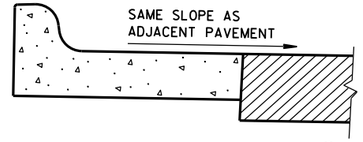


DRIVEWAY ENTRANCE CURB

(WHEN DIRECTED BY THE ENGINEER)

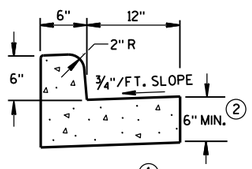


① TYPES A & D



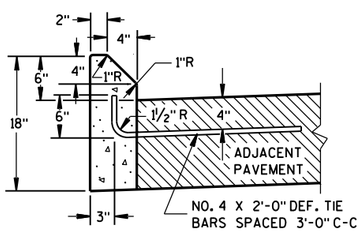
⑥ REVERSE SLOPE GUTTER

(TYPICAL FOR ALL CURB & GUTTER TYPES)



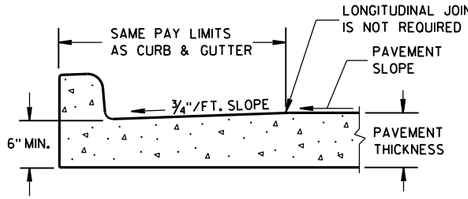
① TYPES A & D

CONCRETE CURB & GUTTER 18"

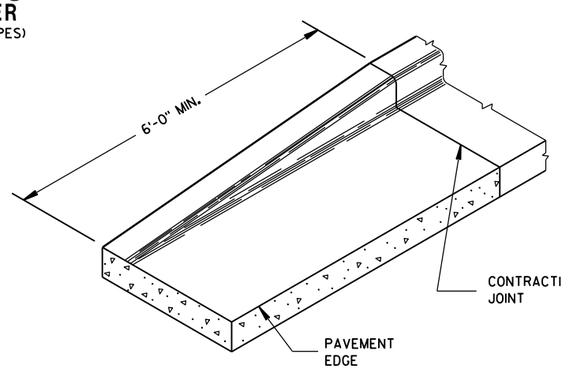


① TYPES G & J

CONCRETE CURB



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



END SECTION CURB & GUTTER

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June, 2016 — DATE

/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

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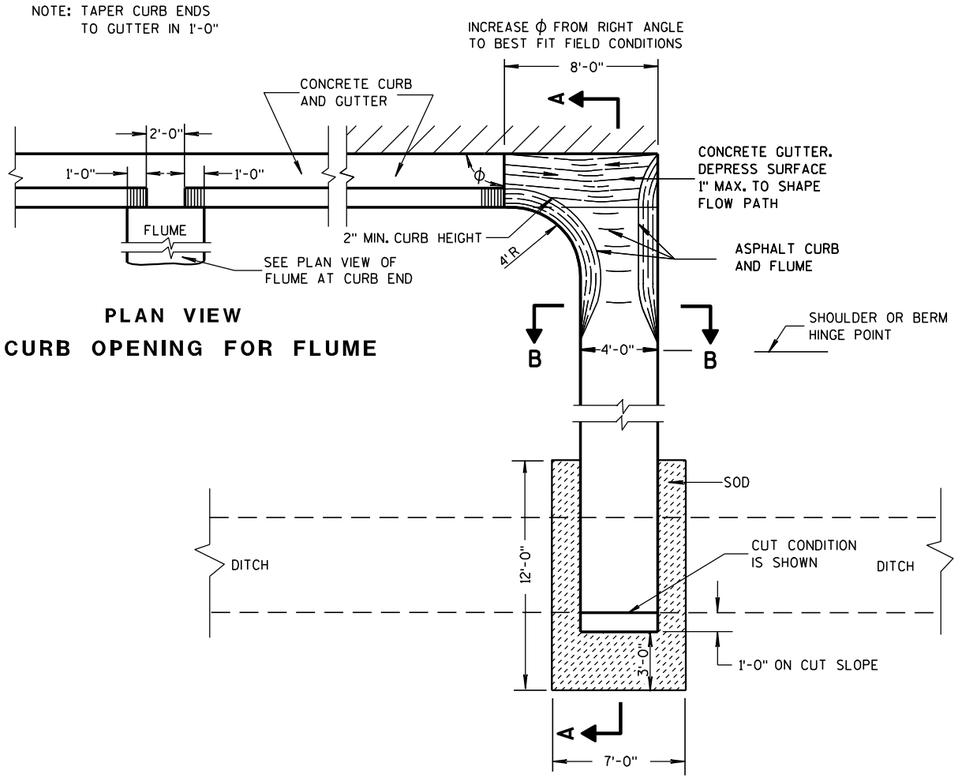
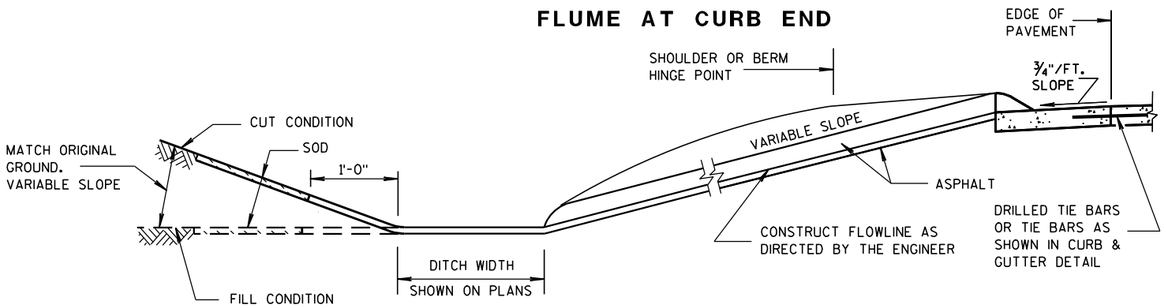
ASPHALTIC FLUME

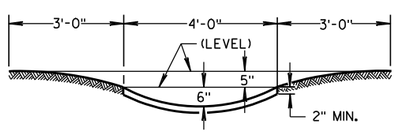


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

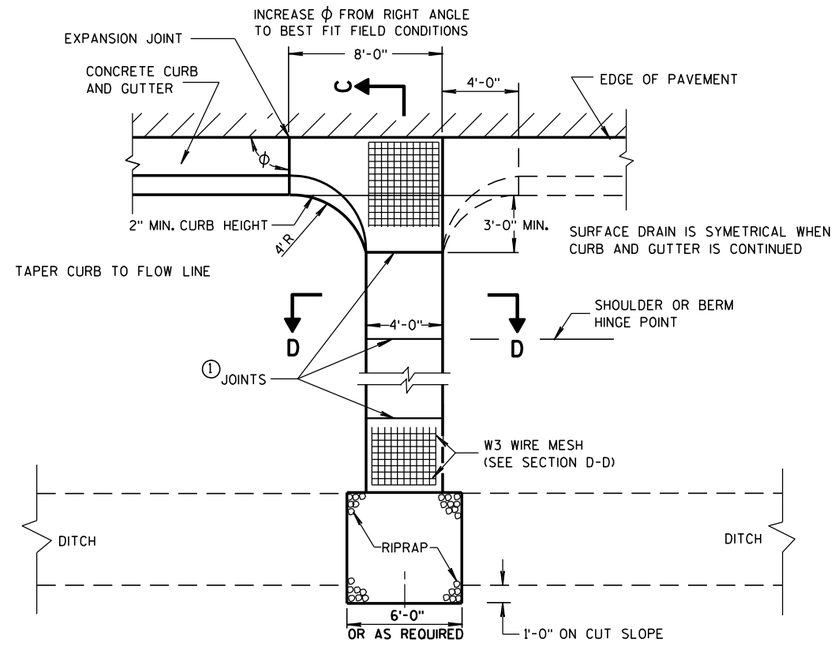
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

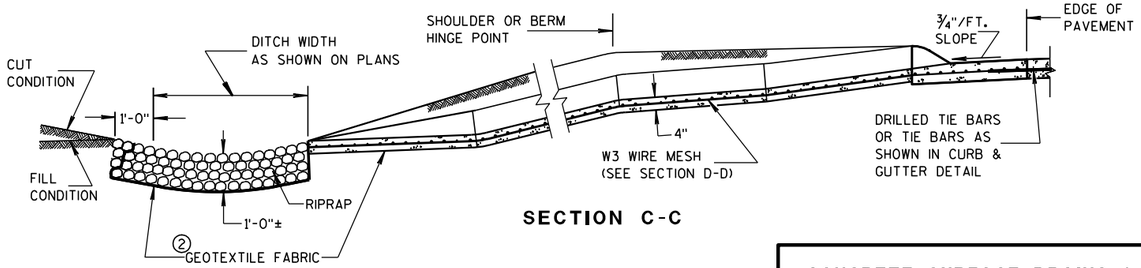
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

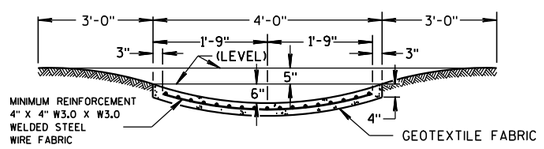
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



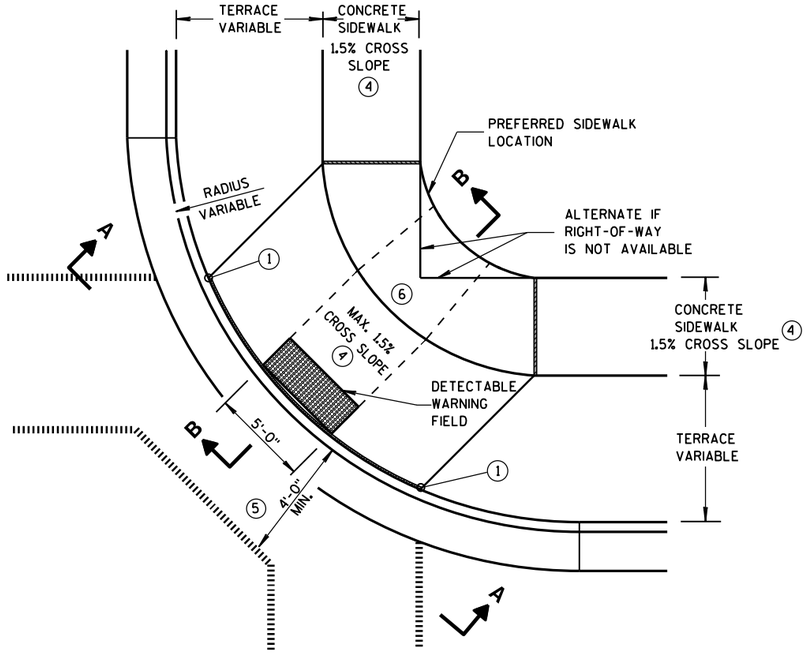
SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

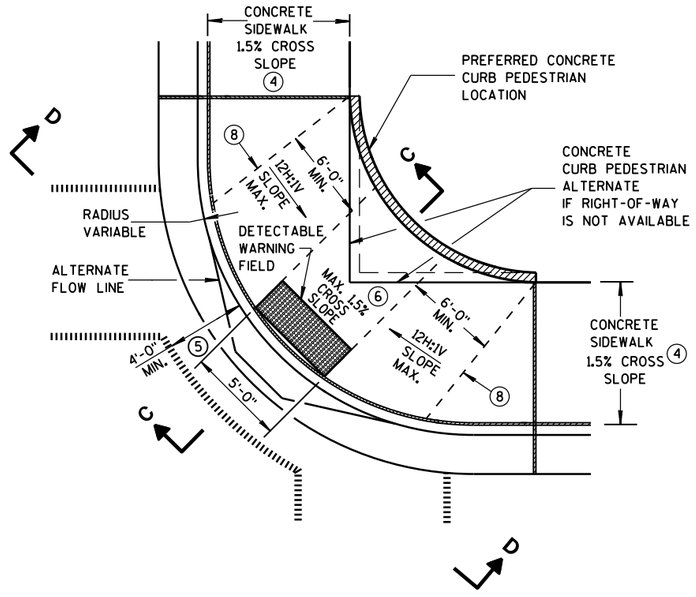
6
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

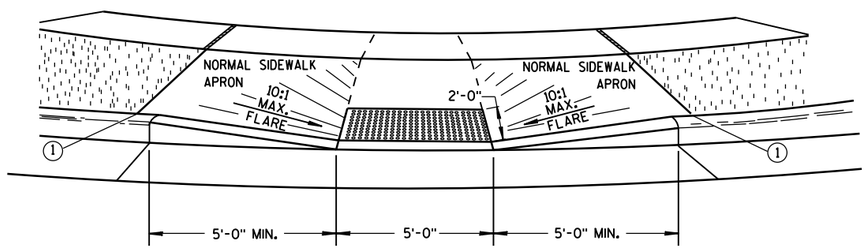
(CENTER OF CORNER RADIUS)



PLAN VIEW

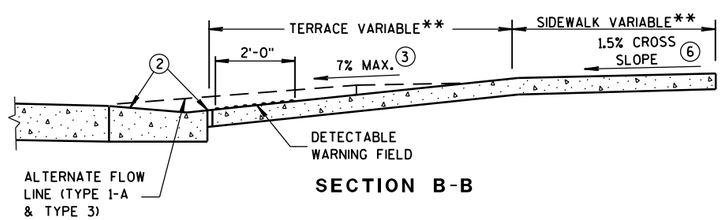
TYPE 1-A RAMP

(NO TERRACE)

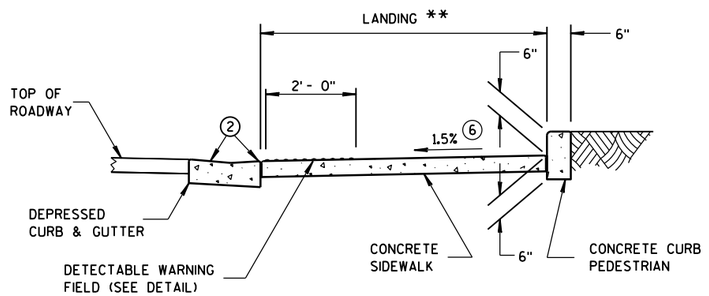


VIEW A-A

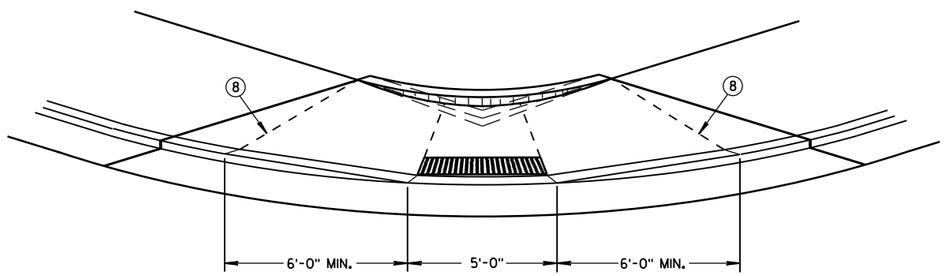
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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

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

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

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

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

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

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

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

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

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

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

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

LEGEND

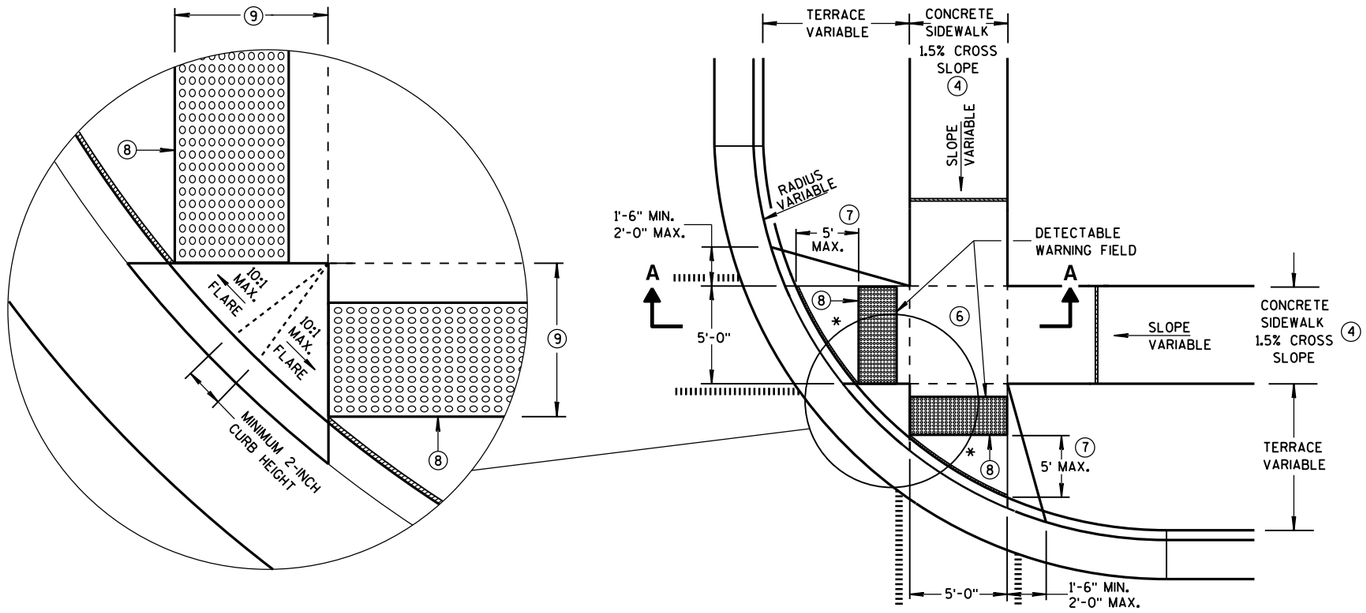
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-17a

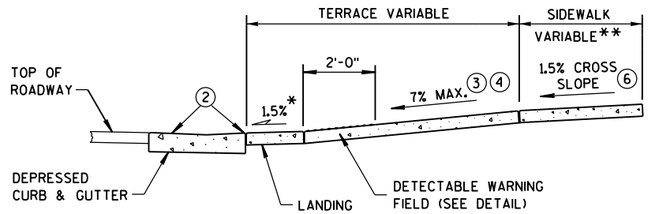


PLAN VIEW

TYPE 2 RAMP

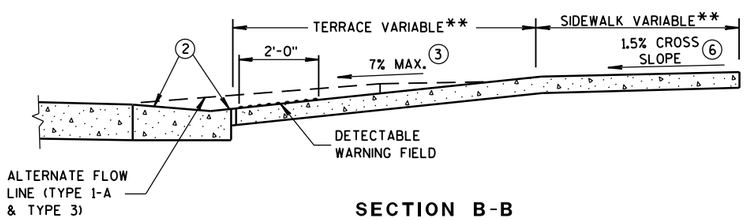
(ON LINE WITH SIDEWALK)

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



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

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

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

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

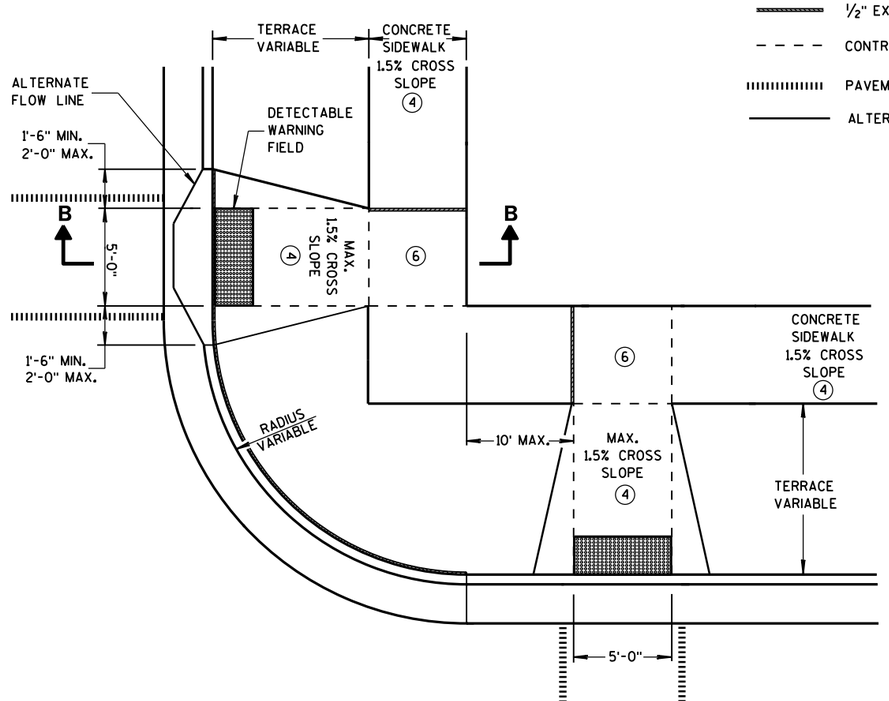
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

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

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

LEGEND

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



PLAN VIEW

TYPE 3 RAMP

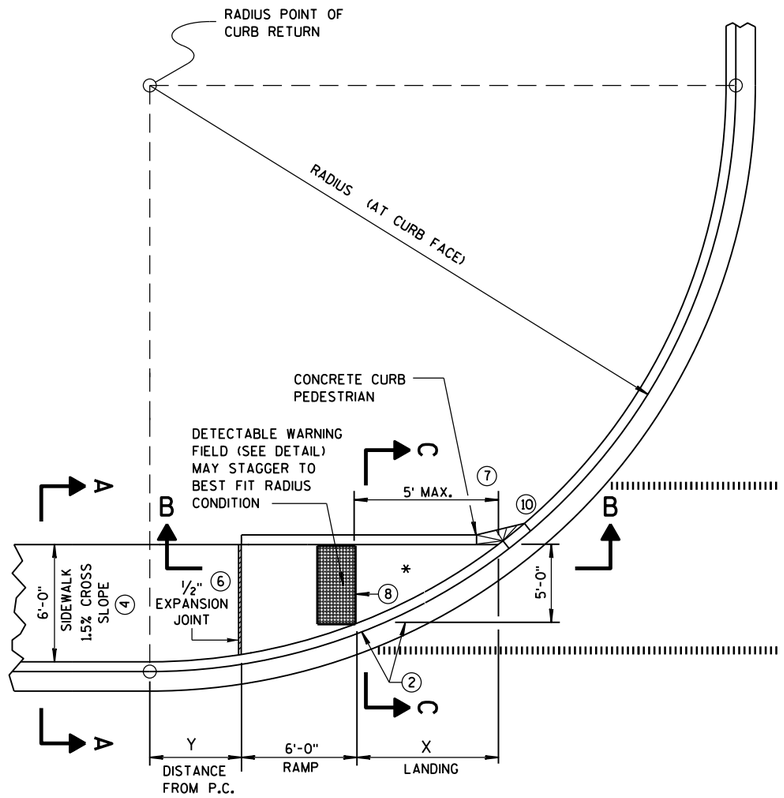
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

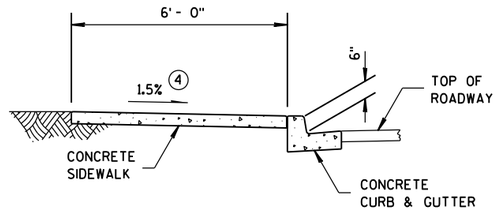
S.D.D. 8 D 5-17b



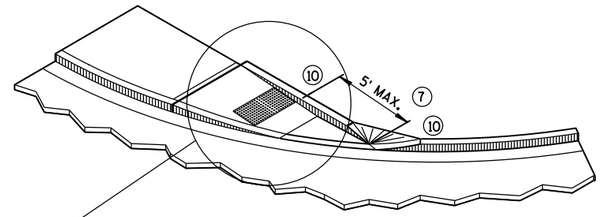
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2¾"	1'-7½"
40 FEET	12'-1¼"	2'-10"
50 FEET	13'-8¾"	3'-10¾"
60 FEET	15'-2"	4'-10¼"

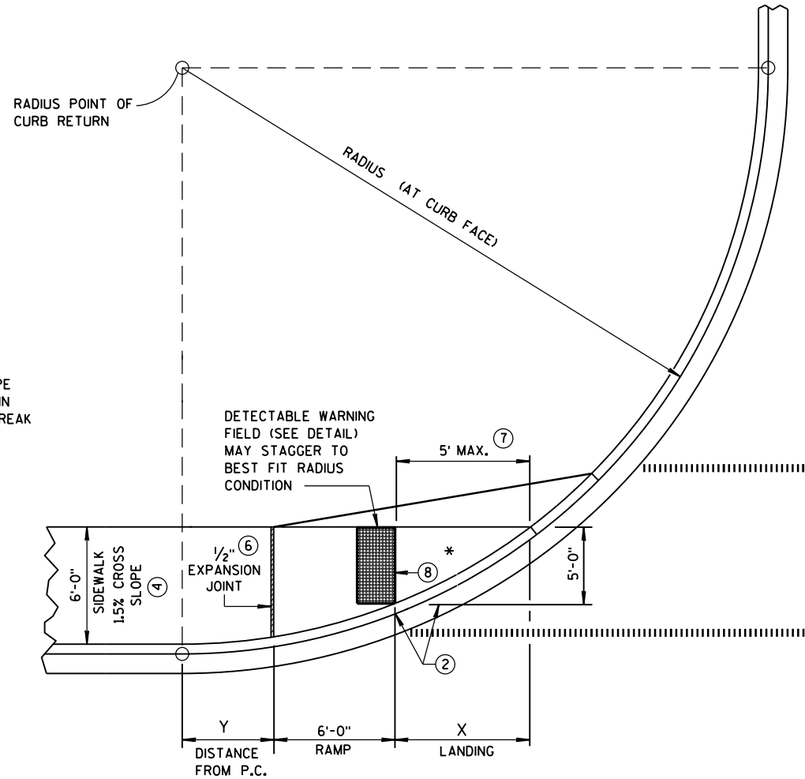
INTERMEDIATE RADII CAN BE INTERPOLATED



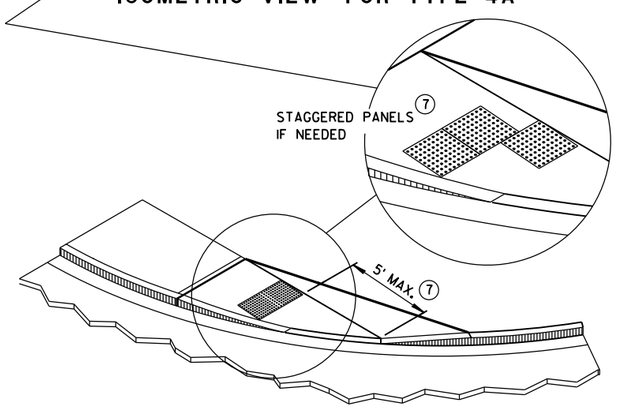
SECTION A-A FOR TYPE 4A



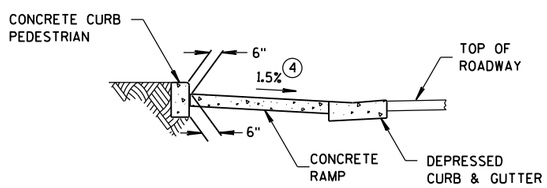
ISOMETRIC VIEW FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

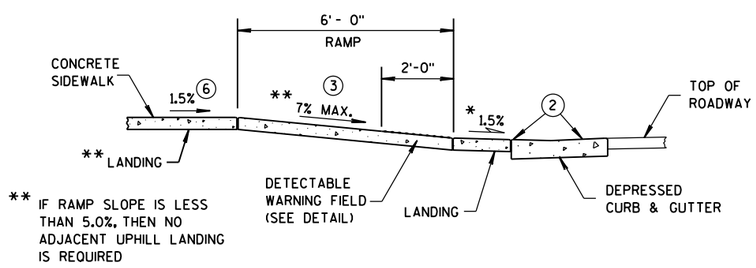


ISOMETRIC VIEW FOR TYPE 4A1



SECTION C-C FOR TYPE 4A

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



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

SECTION B-B FOR TYPE 4A

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

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

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

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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

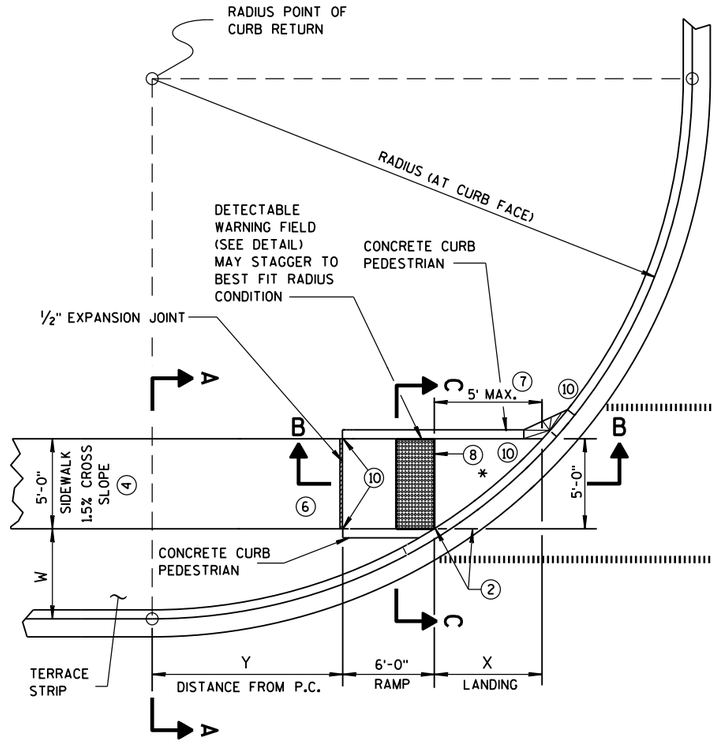
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

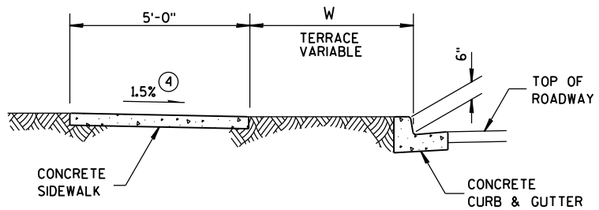
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

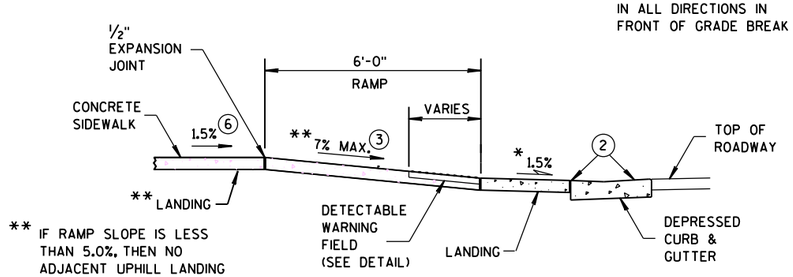
S.D.D. 8 D 5-17c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



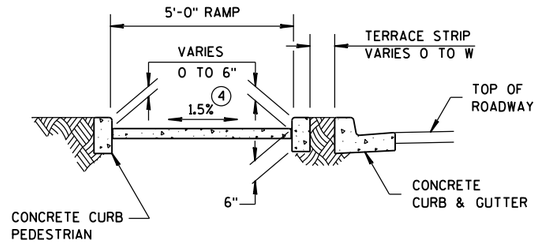
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-6¾"	3'-3"	8'-6¼"
30 FEET	7'-9¼"	5'-10½"	6'-9½"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	7'-4¾"	12'-3¾"	6'-8½"	14'-1¼"	6'-1¾"	15'-8½"
50 FEET	10'-8"	9'-6½"	9'-5½"	12'-3¼"	8'-6½"	14'-7½"	7'-9¾"	16'-8¼"	7'-2½"	18'-6¼"
60 FEET	11'-10¼"	11'-0¾"	10'-6½"	14'-1¼"	9'-6½"	16'-8½"	8'-9¼"	18'-11¾"	8'-1½"	21'-0½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

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

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

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

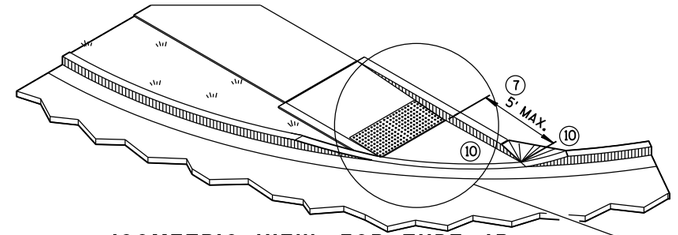
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

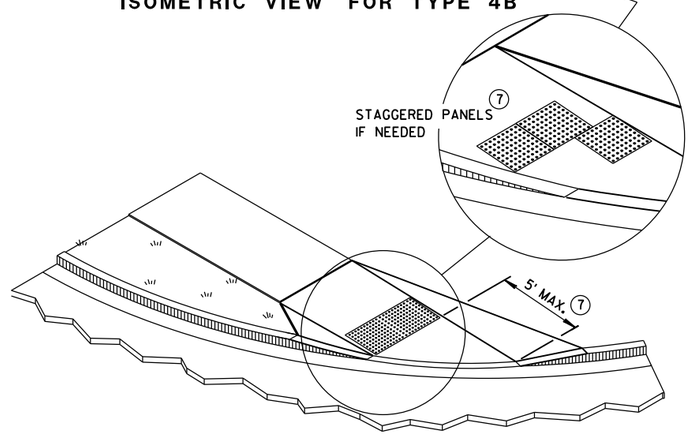
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

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

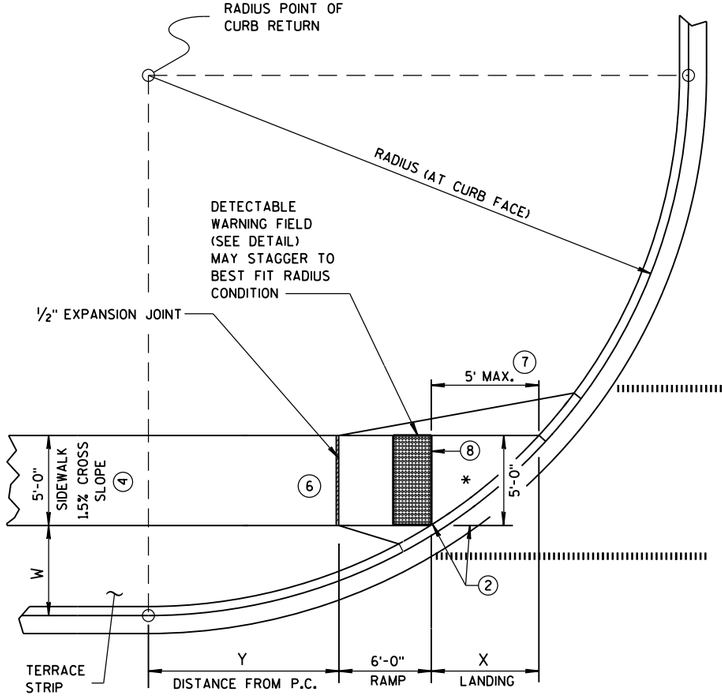
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



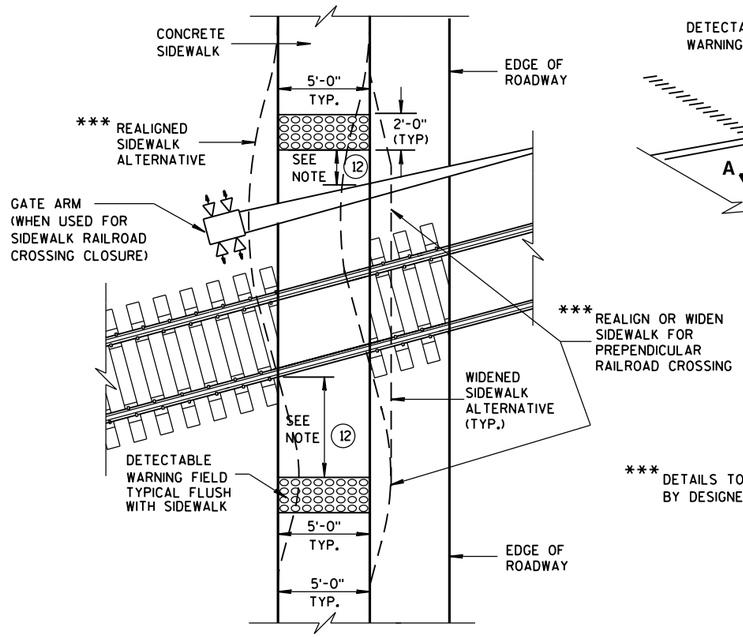
CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

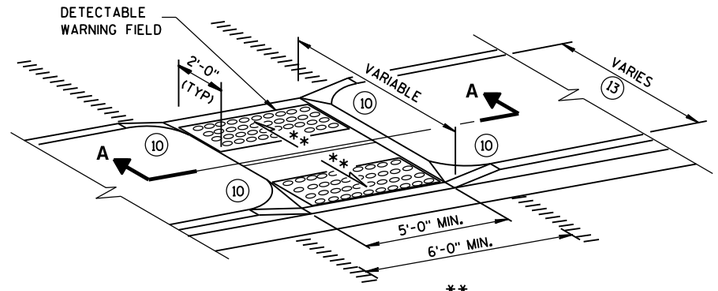
6

S.D.D. 8 D 5-17d



*** DETAILS TO BE DETERMINED BY DESIGNER

TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL NOT EXCEED 7%.

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

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

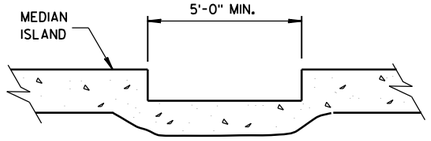
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET (MINIMUM 4 FEET X 4 FEET).

(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.

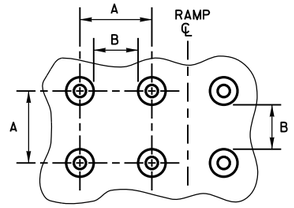
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



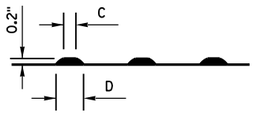
SECTION A-A

	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.

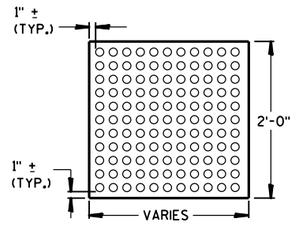


PLAN VIEW

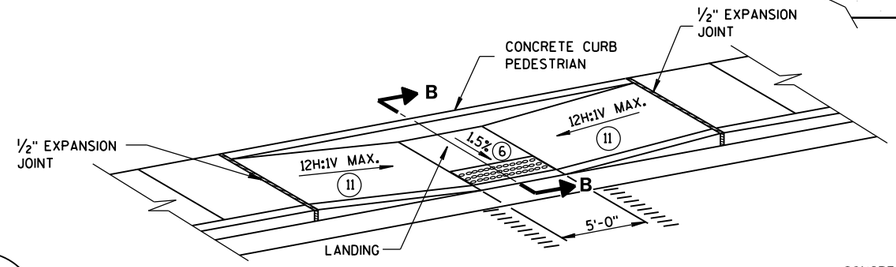


ELEVATION VIEW

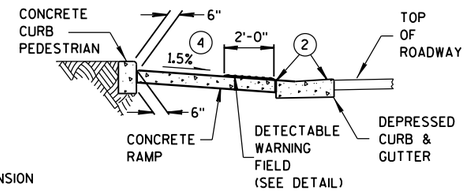
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



PLAN VIEW
DETECTABLE WARNING FIELD (TYPICAL)

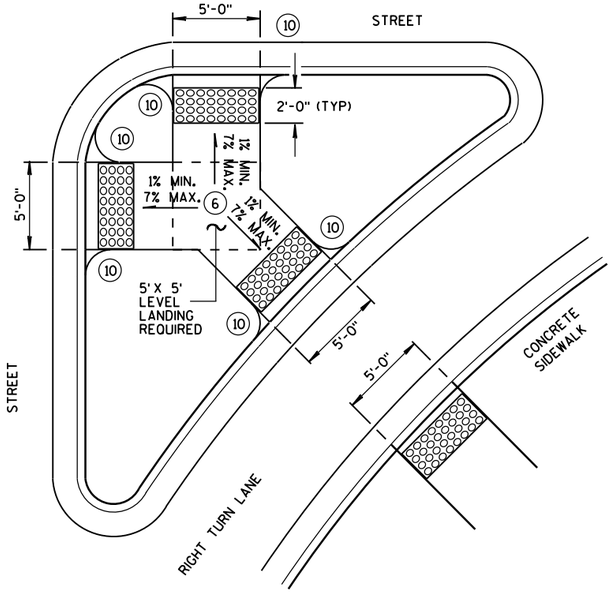


MID-BLOCK CROSSING
TYPE 7A

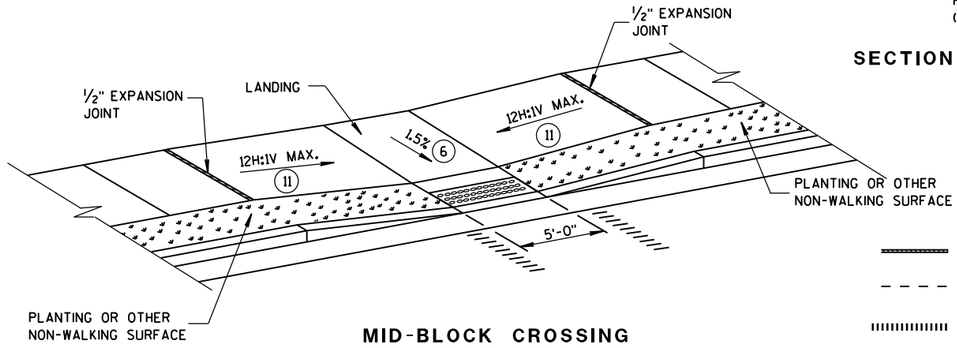


SECTION B-B

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



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

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

LEGEND

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

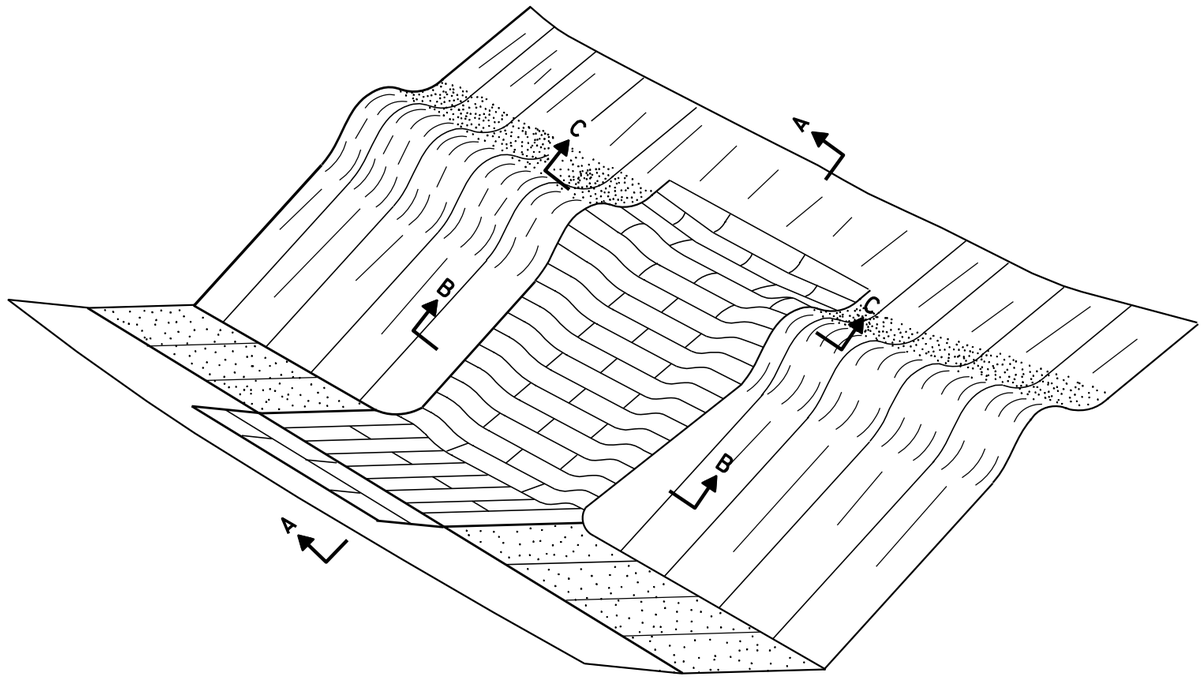
APPROVED
June, 2016 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 D 5-17e

6

S.D.D. 8 D 5-17e



PERSPECTIVE

BACKSLOPE WITH FLUME AND INTERCEPTING EMBANKMENT

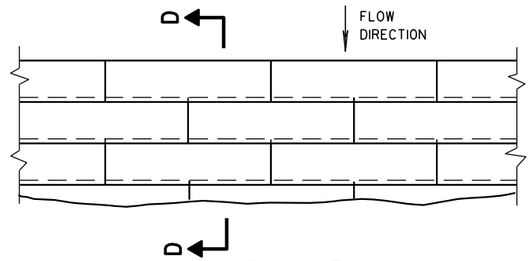
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

GRADING AND SHAPING INTERCEPTING EMBANKMENT WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SECTION 205, "ROADWAY AND DRAINAGE EXCAVATION".

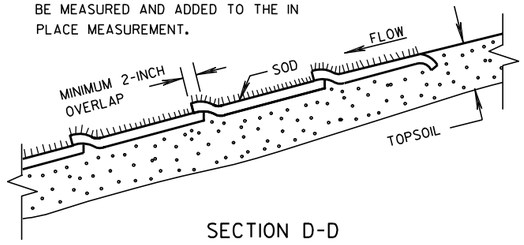
SOD STRIPS SHALL BE LAID TRANSVERSELY TO THE DIRECTION OF THE WATER FLOW.

DIMENSIONS SHALL BE ADJUSTED TO FIT SITE CONDITIONS AS DIRECTED BY THE ENGINEER.



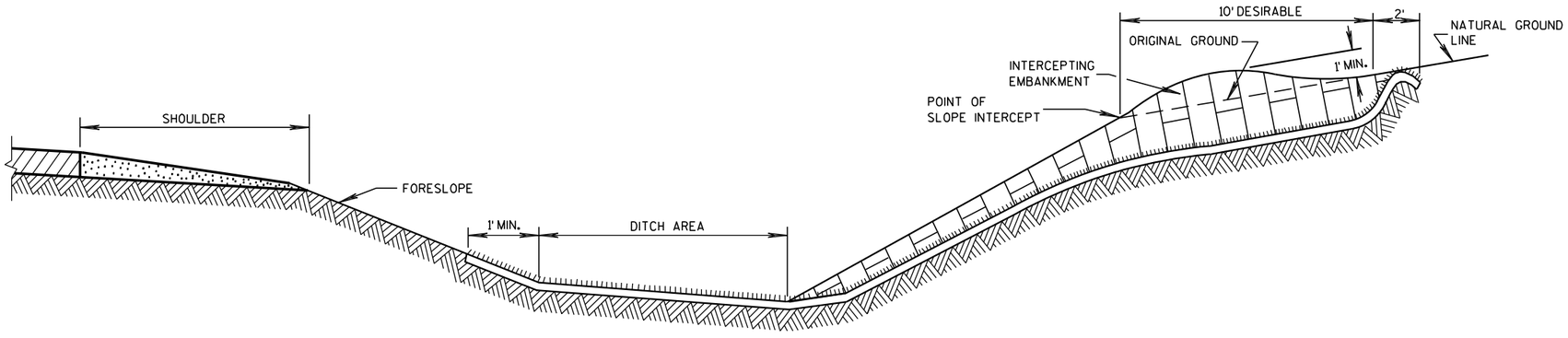
PLAN VIEW

NOTE:
SOD SHALL BE LAID AS SHOWN ON THE PLAN VIEW, AND AS DIRECTED BY THE ENGINEER. THE SOD OVERLAP WILL BE MEASURED AND ADDED TO THE IN PLACE MEASUREMENT.

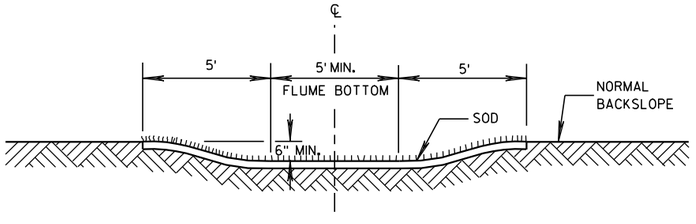


SECTION D-D

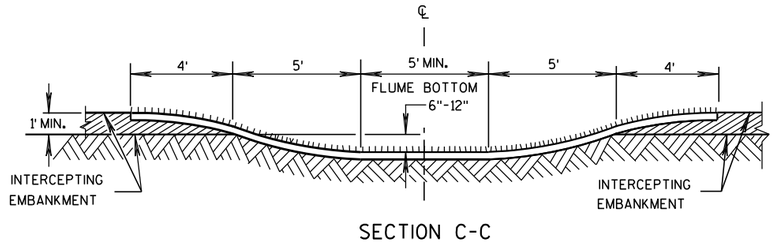
DETAIL FOR OVERLAP OF SOD STRIPS



SECTION A-A



SECTION B-B



SECTION C-C

SODDED BACKSLOPE FLUME AND INTERCEPTING EMBANKMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

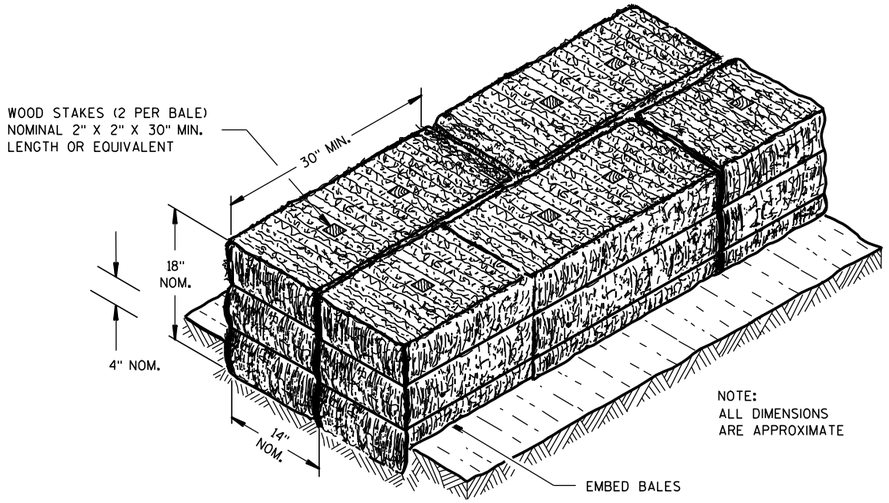
APPROVED
10/24/95 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

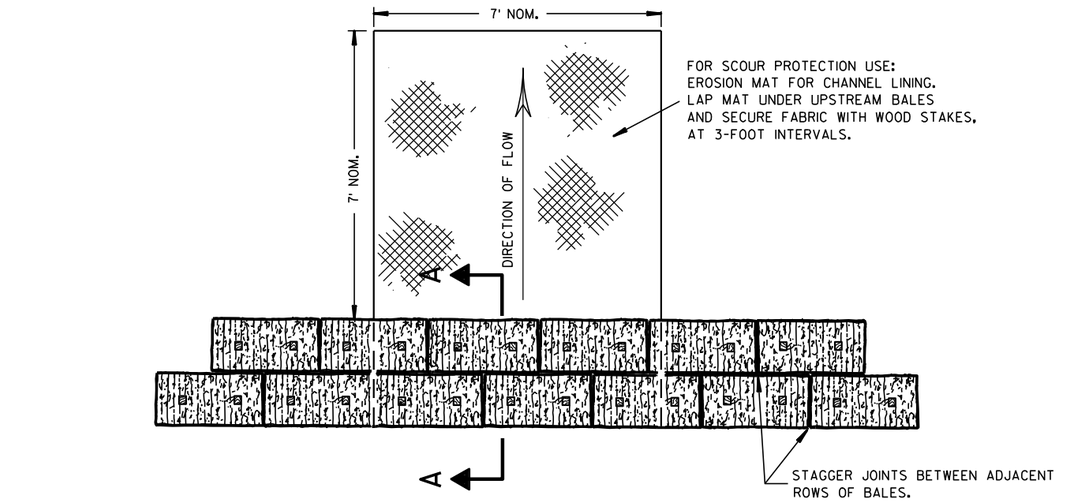
S.D.D. 8 E 5-2

6

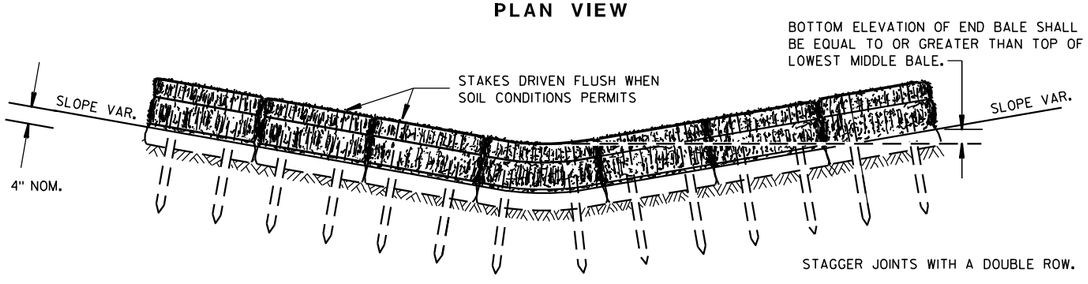
S.D.D. 8 E 5-2



SECTION A-A



PLAN VIEW



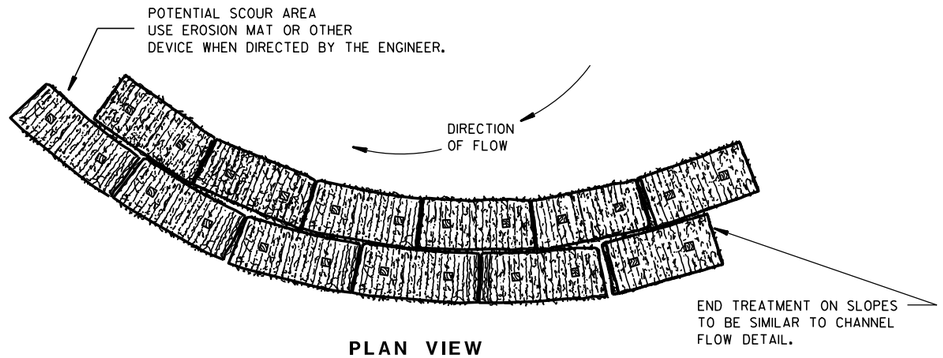
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

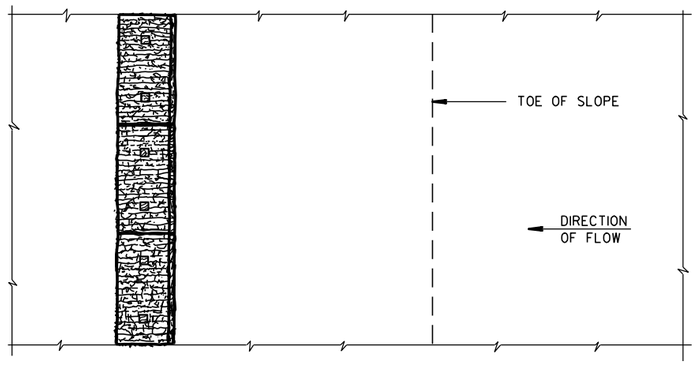
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

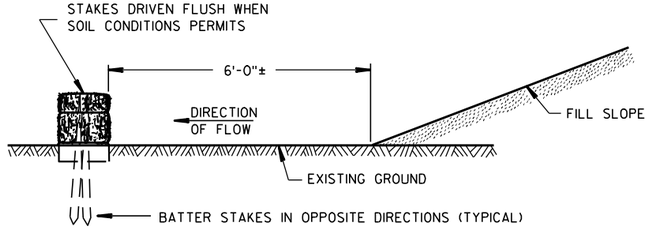


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/04/02 DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

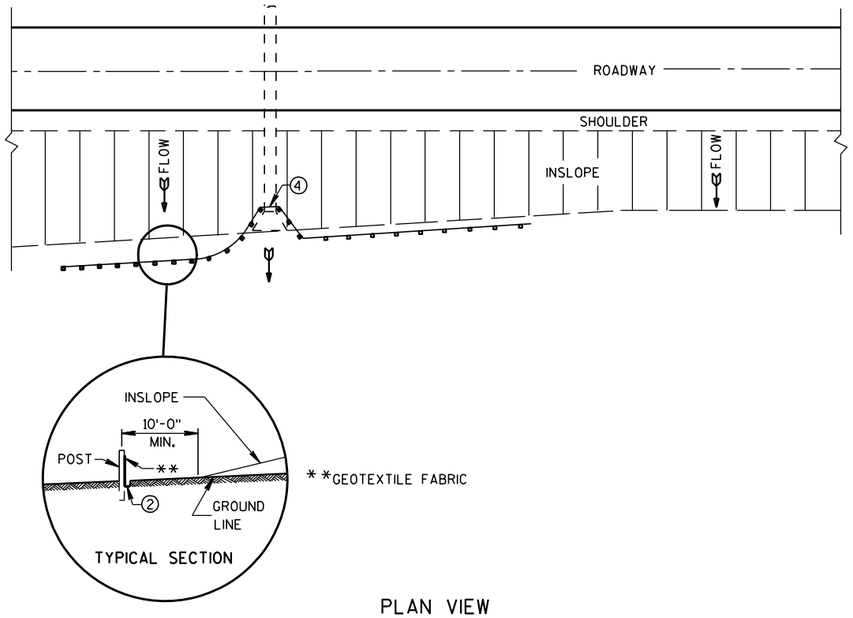
FHWA

6

S.D.D. 8 E 8-3

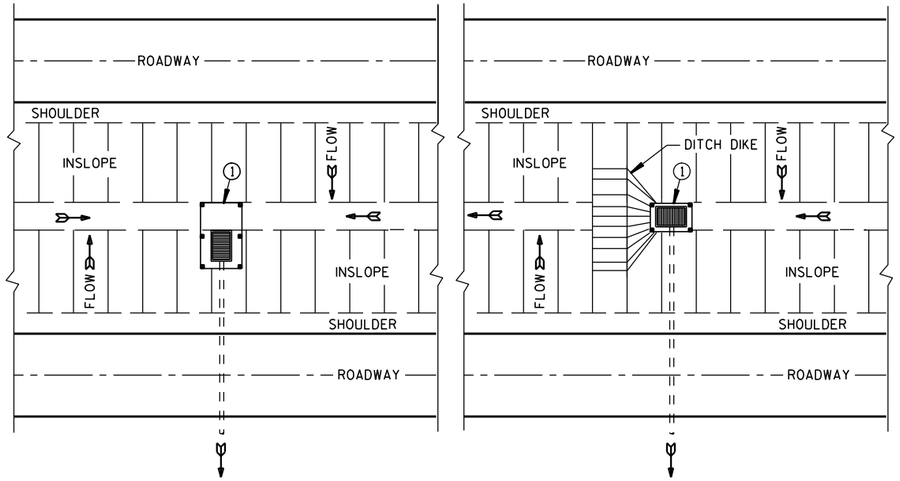
6

S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



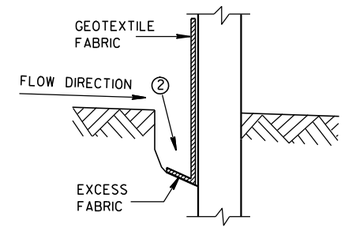
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

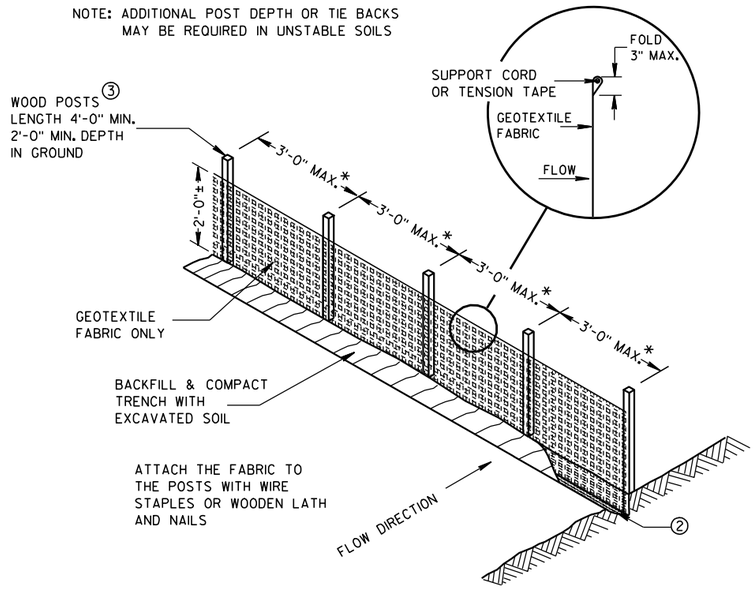
GENERAL NOTES

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

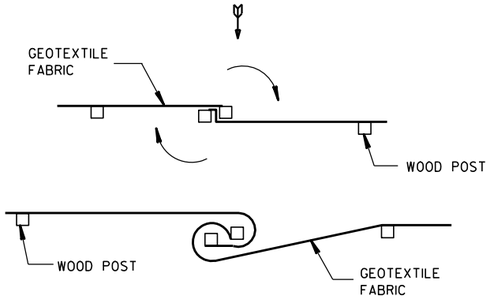
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



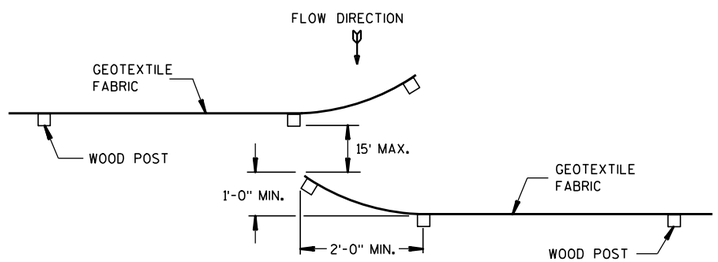
TRENCH DETAIL



SILT FENCE

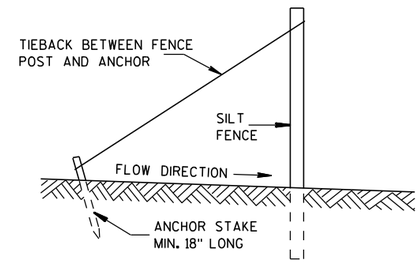


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

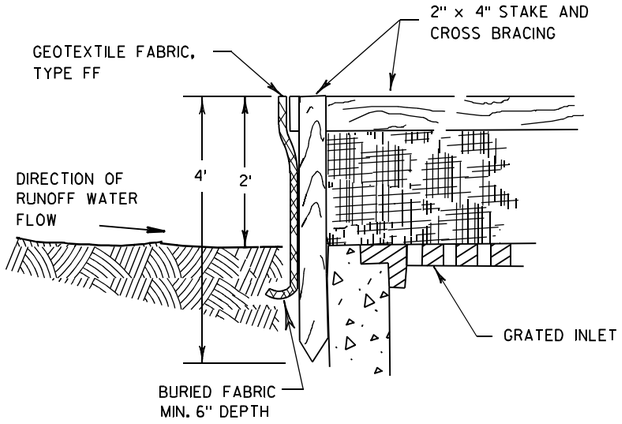
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

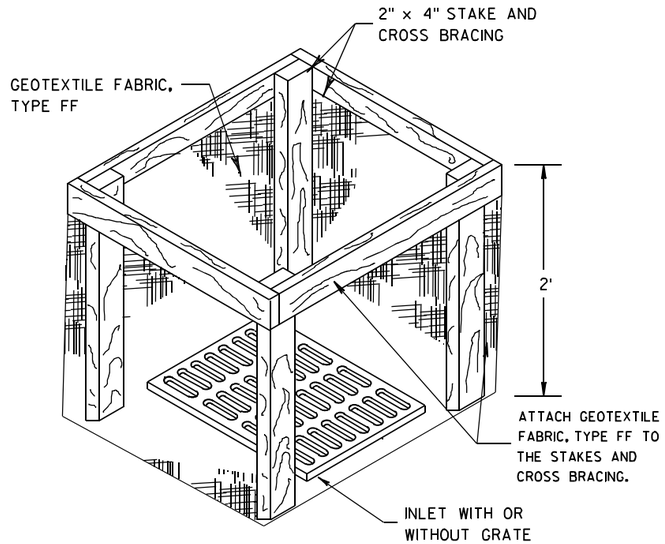
6

S.D.D. 8 E 9-6

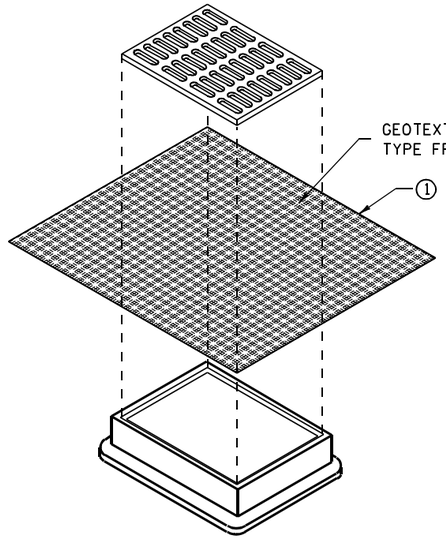
6

S.D.D. 8 E 9-6



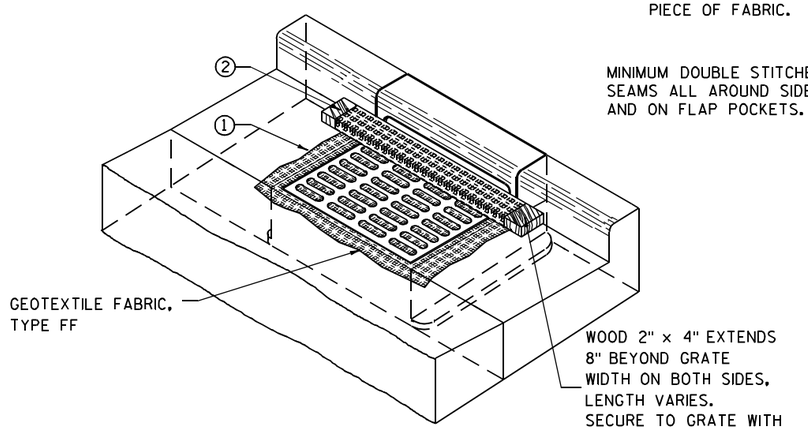


INLET PROTECTION, TYPE A

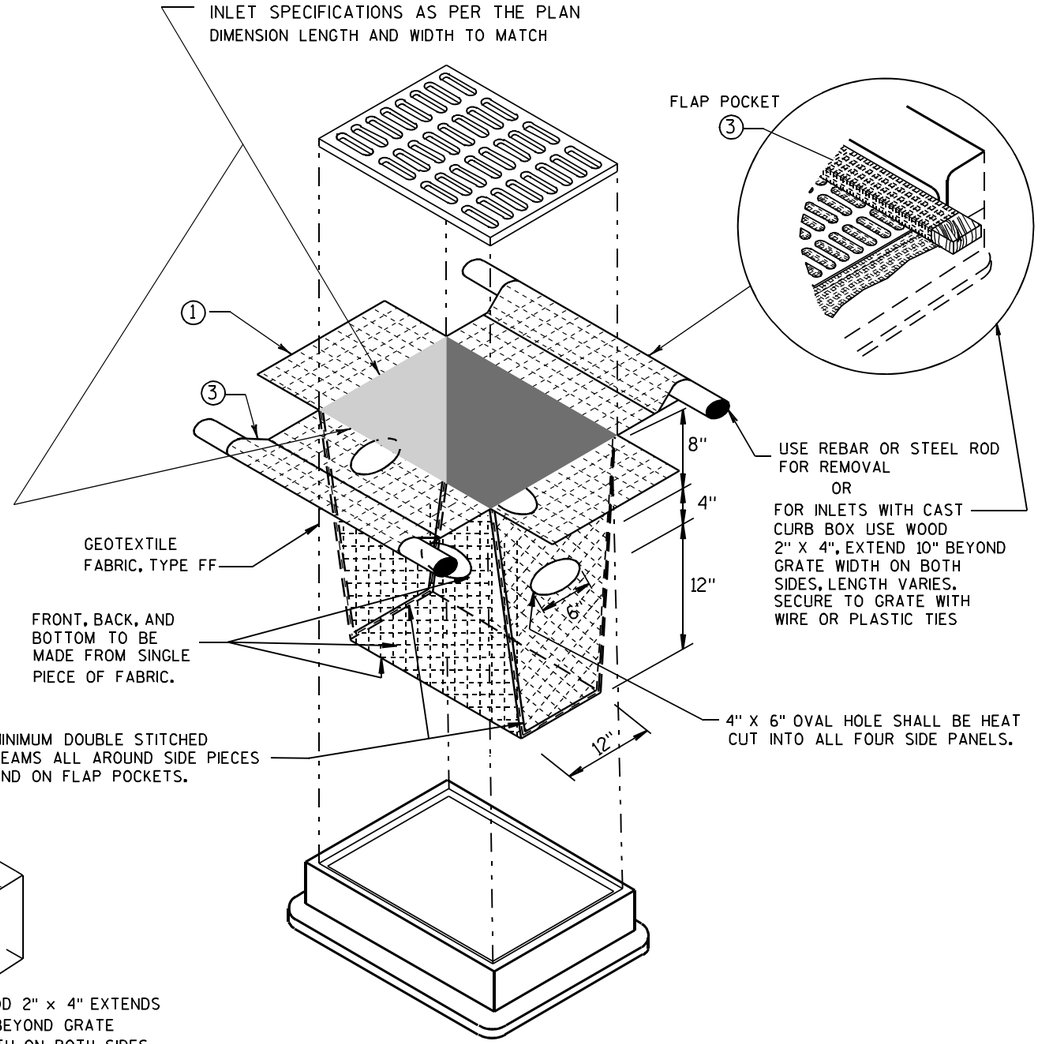


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

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

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

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

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

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

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

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

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

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

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

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2

METAL APRON ENDWALLS

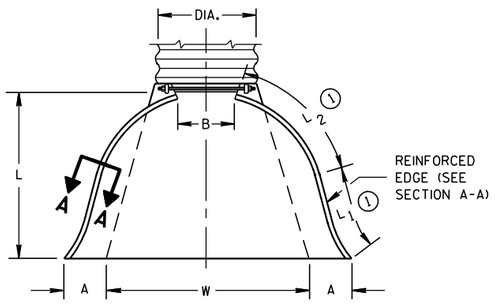
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

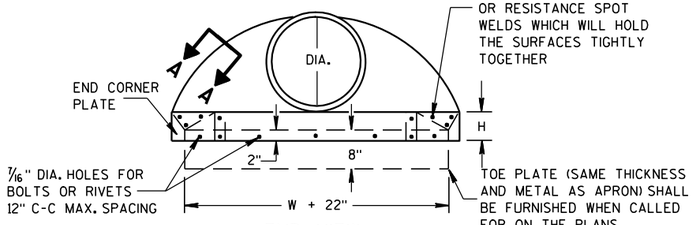
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE
	T	A	B	C	D	E	G	
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24-30 **	* 72-78 **	* 21-27 **	99	102	5 1/2	2 to 1
72	7	* 24-36 **	78	21	99	108	6	2 to 1
78	7 1/2	* 24-36 **	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

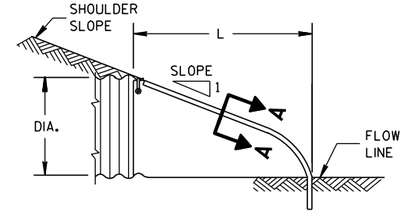
* MINIMUM
** MAXIMUM



PLAN VIEW

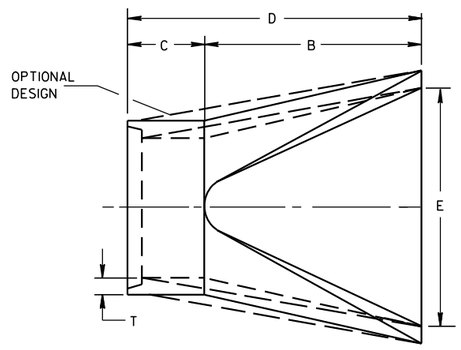


END VIEW

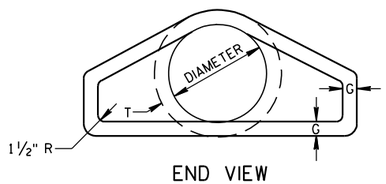


SIDE ELEVATION

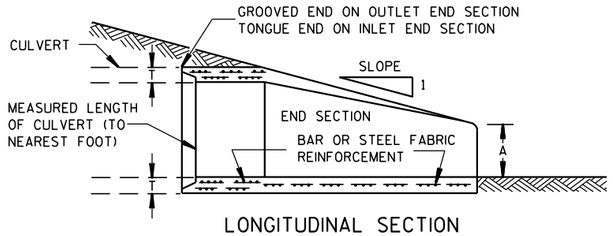
METAL ENDWALLS



PLAN

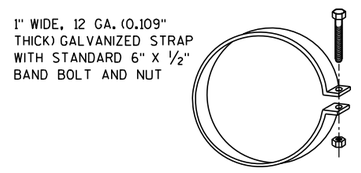


END VIEW



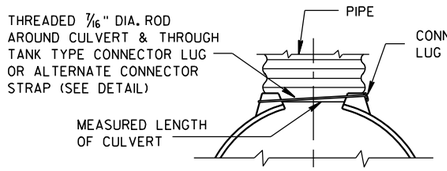
LONGITUDINAL SECTION

CONCRETE ENDWALLS

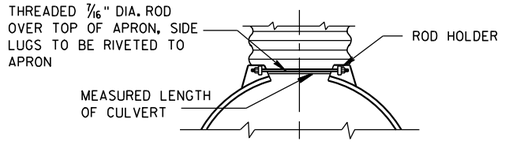


ALTERNATE FOR TYPE 1 CONNECTION

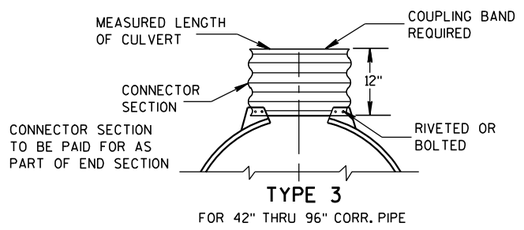
END SECTION CONNECTOR STRAP



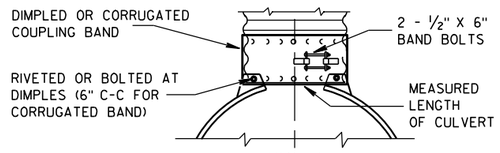
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

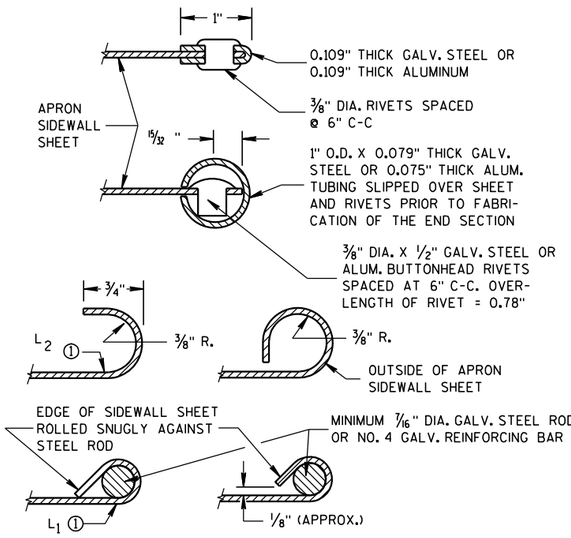
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

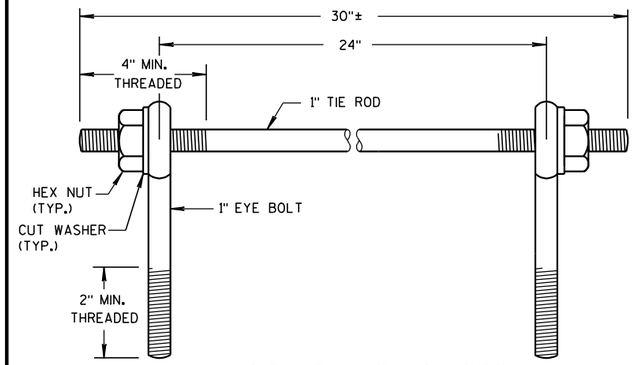
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

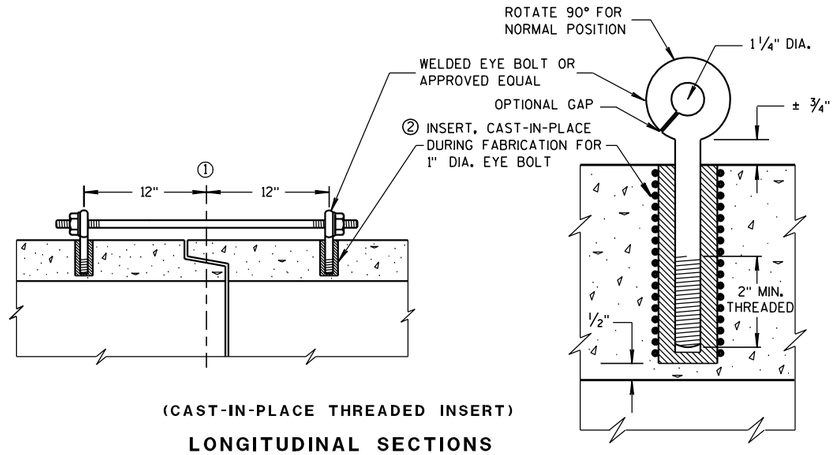
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 F 1-11



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.

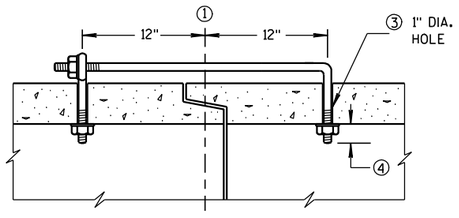
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

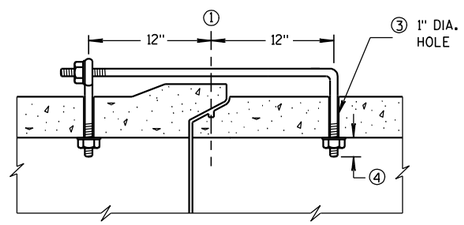
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

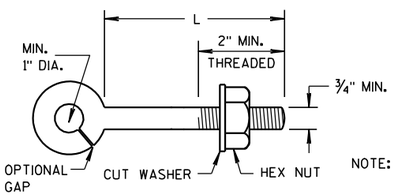


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

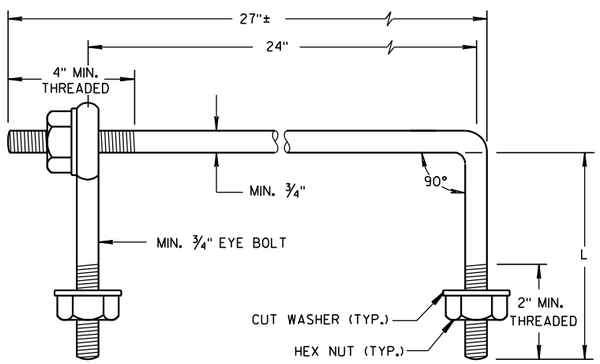
EYE BOLT DIMENSION TABLE

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"	



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

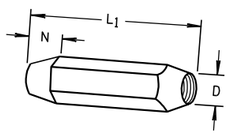
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

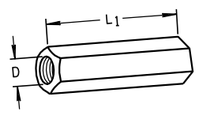
ADJUSTABLE TIE ROD TABLE

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



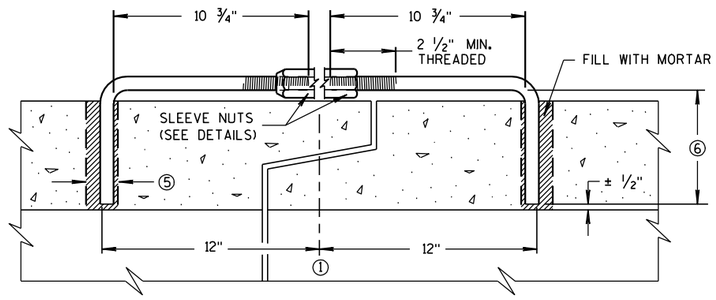
TAPERED



PLAIN

RIGHT AND LEFT THREADS

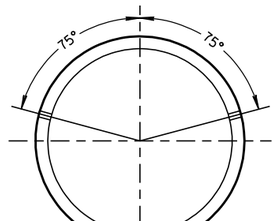
SLEEVE NUTS



LONGITUDINAL SECTION

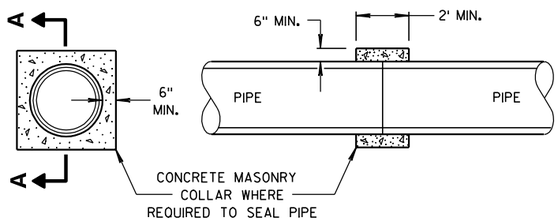
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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
297
FHWA

6

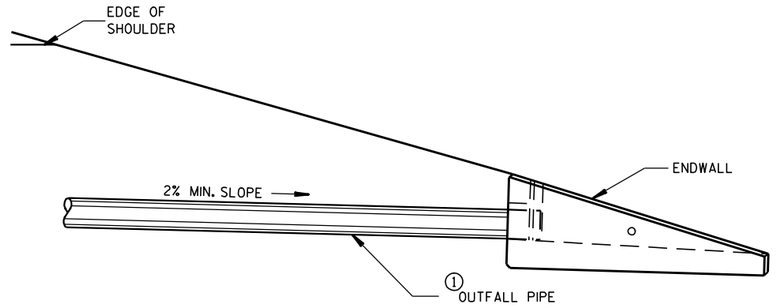
S.D.D. 8 F 4-7

6

S.D.D. 8 F 4-7

DIMENSIONS IN INCHES											
PIPE DIA.	A	B	C	D	E	F	G	H	J	L	Z
**4	6	12	5 1/4	9	8	32	36	11	2 3/8	6 1/2	4
6	8	14	7 1/4	11	10	42	44	13	3 5/8	8 1/2	6

**APRON ENDWALL FOR 6 INCH DIAMETER PIPE MAY BE SUBSTITUTED FOR THIS SIZE PROVIDED THE HOLE IN THE HEADWALL IS SIZED AND LOCATED TO CONFORM TO THE 4 INCH DIAMETER PIPE DIMENSIONS (C & J)



INSTALLATION 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.

ALTERNATIVE DESIGNS WHICH PROVIDE EQUIVALENT CAPACITY AND STRENGTH MAY BE USED WHEN APPROVED BY THE ENGINEER. ENDWALL MAY BE EITHER PRECAST OR CAST-IN-PLACE CONCRETE.

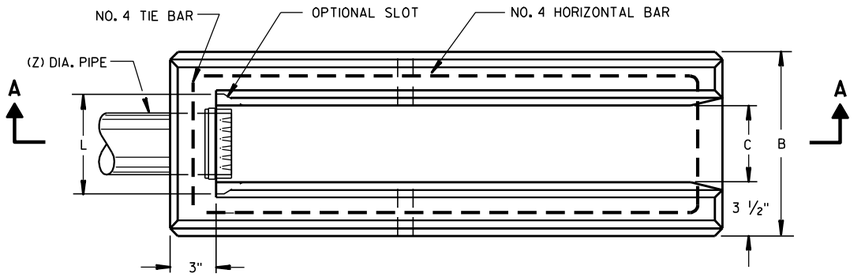
THE UNDERDRAIN PIPE SHALL BE FULLY INSERTED AND SEALED INTO THE ENDWALL WITH CEMENT MORTAR PRIOR TO BACKFILLING AROUND THE STRUCTURE.

THE UPPERMOST POINT OF THE ENDWALL SHALL BE PLACED FLUSH WITH THE ROADWAY SLOPE. ADJACENT EMBANKMENT SLOPES SHALL BE SHAPED TO FIT THE SIDES AND TOE OF THE ENDWALL. EXACT PLACEMENT OF THE OUTFALL PIPE AND ENDWALL SHALL BE DETERMINED BY THE ENGINEER TO MATCH THE ELEVATIONS AND FLOW DIRECTION OF THE ROADSIDE DITCH.

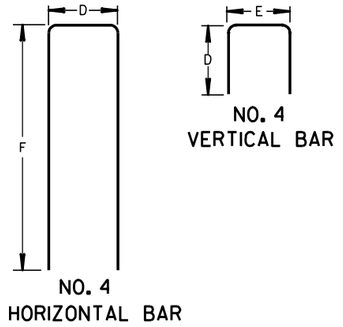
① THE OUTFALL PIPE UNDERDRAIN AND FITTINGS SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATION FOR POLY (VINYL CHORIDE) (PVC) PLASTIC DRAIN, WASTE AND VENT PIPE AND FITTINGS, ASTM DESIGNATION: D 2665, SCHEDULE 40 PVC OR THE STANDARD SPECIFICATION FOR TYPE PSM POLY (VINYL CHORIDE) (PVC) SEWER PIPE AND FITTINGS, ASTM DESIGNATION: D 3034, TYPE PSM SDR 23.5 PVC SEWER PIPE, ALL JOINTS SHALL BE SOLVENT WELDED.

THE OUTFALL PIPE INCLUDING ALL FITTINGS AND THE RODENT SHIELD SHALL BE MEASURED AND PAID FOR AS PIPE UNDERDRAIN UNPERFORATED.

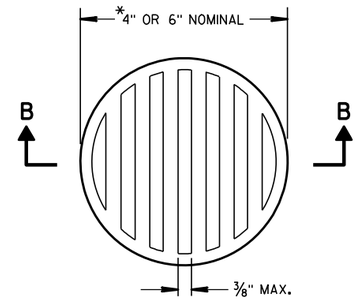
② THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE OUTFALL PIPE. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



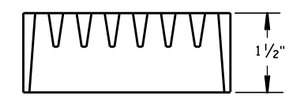
PLAN VIEW



BAR STEEL REINFORCEMENT DETAILS



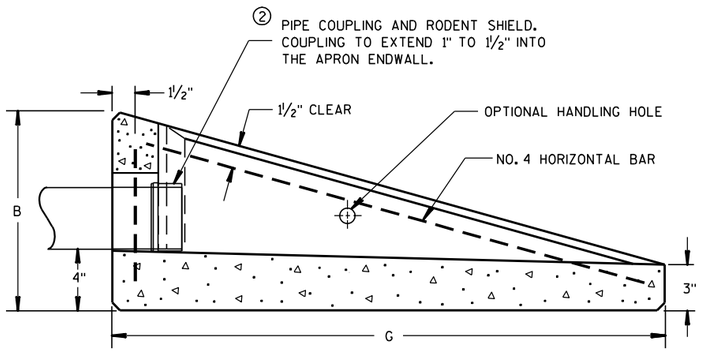
NOTE: ORIENT SHIELD SO SLOTS ARE VERTICAL.



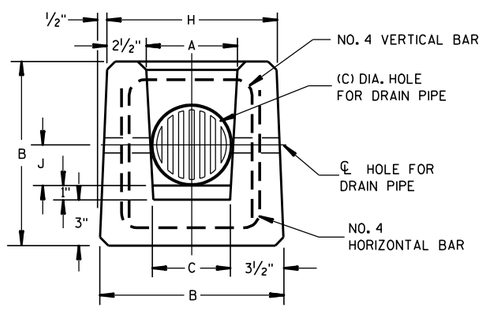
SECTION B-B

② RODENT SHIELD

*NOTE: DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.



SECTION A-A



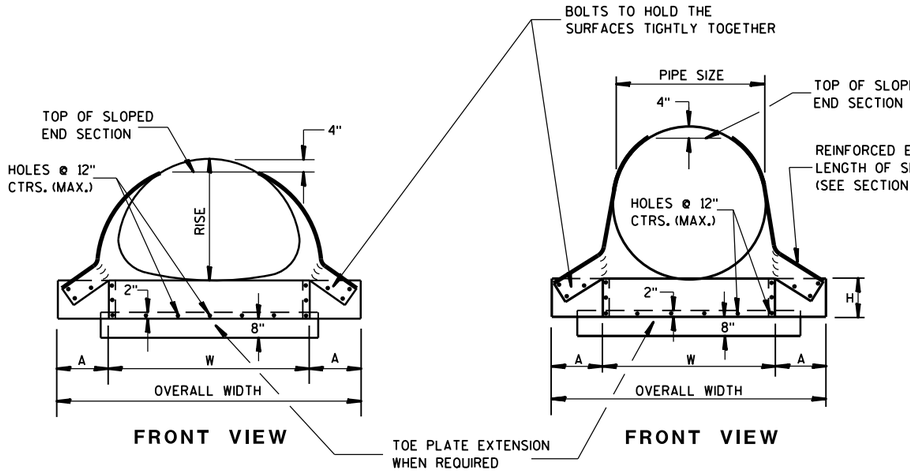
END VIEW

CONCRETE APRON ENDWALL FOR UNDERDRAIN

REINFORCED CONCRETE APRON ENDWALL FOR PIPE UNDERDRAIN

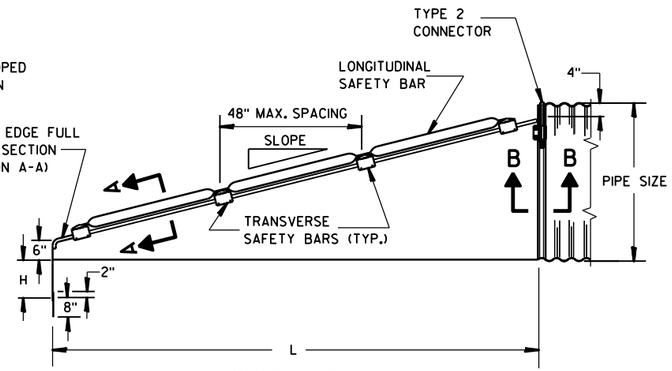
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/10/98 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA



FRONT VIEW

FRONT VIEW



SIDE VIEW
(48" SIZE ILLUSTRATED)

GENERAL NOTES

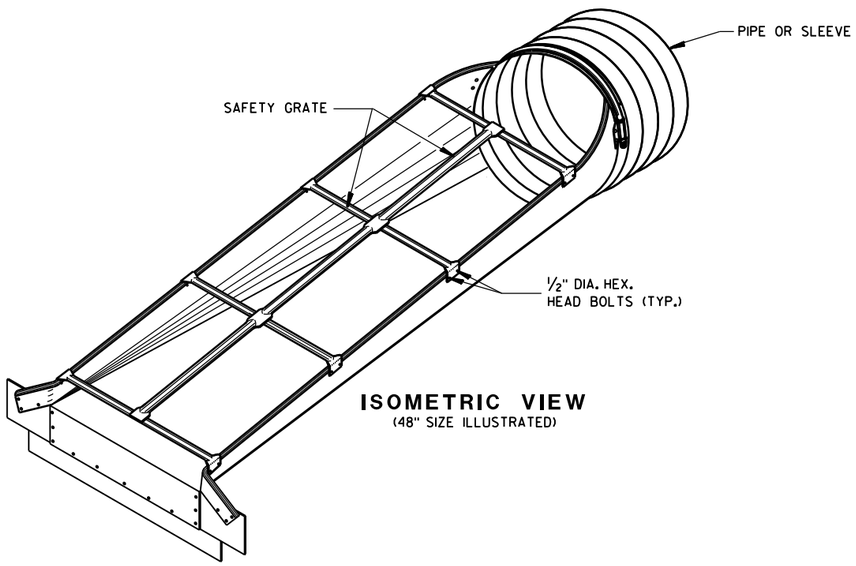
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

SAFETY GRATES SHALL BE FABRICATED FROM 3-INCH DIAMETER GALVANIZED PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL. THE LONGITUDINAL BAR SHALL BE WELDED TO THE TRANSVERSE BARS WHERE THE BARS CROSS. THE NUMBER OF TRANSVERSE BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

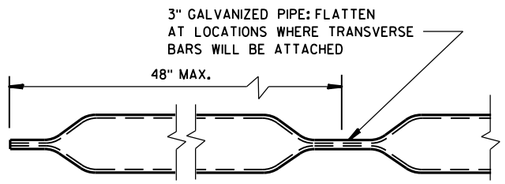
SLOPED STEEL ENDWALLS LOCATED AT THE ENDS OF CONCRETE CULVERT PIPE SHALL BE FURNISHED WITH STEEL ADAPTER SLEEVES.

STEEL APRON ENDWALLS FOR CULVERT PIPE CROSS DRAINS

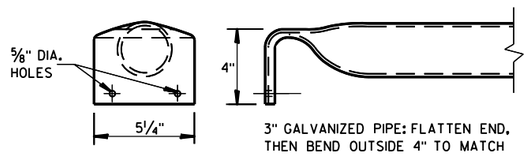
PIPE DIA. (IN.)	MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300



ISOMETRIC VIEW
(48" SIZE ILLUSTRATED)



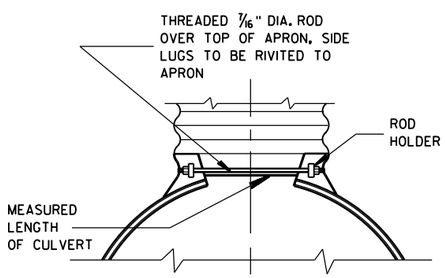
LONGITUDINAL SAFETY BAR



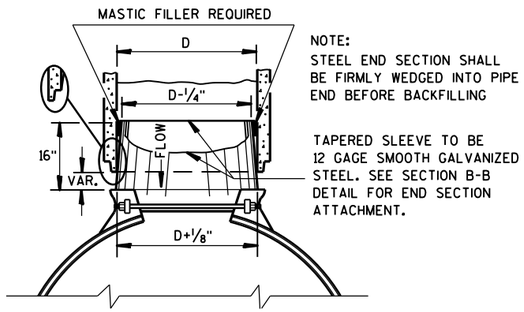
TRANSVERSE SAFETY BAR

STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED CROSS DRAINS

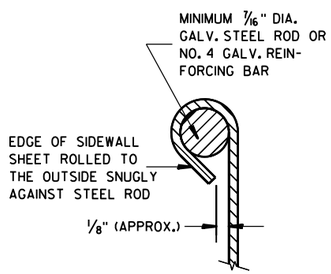
EQUIV. DIA. (IN.)	INCHES		MIN. THICK.		DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE	IN.	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
30	35	24	.079	14	12	9	41	65	4:1	56	6:1	84
36	42	29	.109	12	12	9	48	72	4:1	76	6:1	114
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222



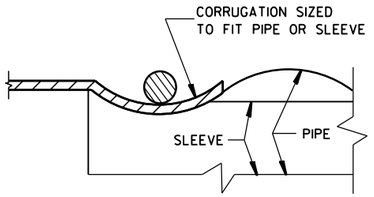
TYPE 2 CONNECTOR DETAIL



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



SECTION A-A



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED CROSS DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

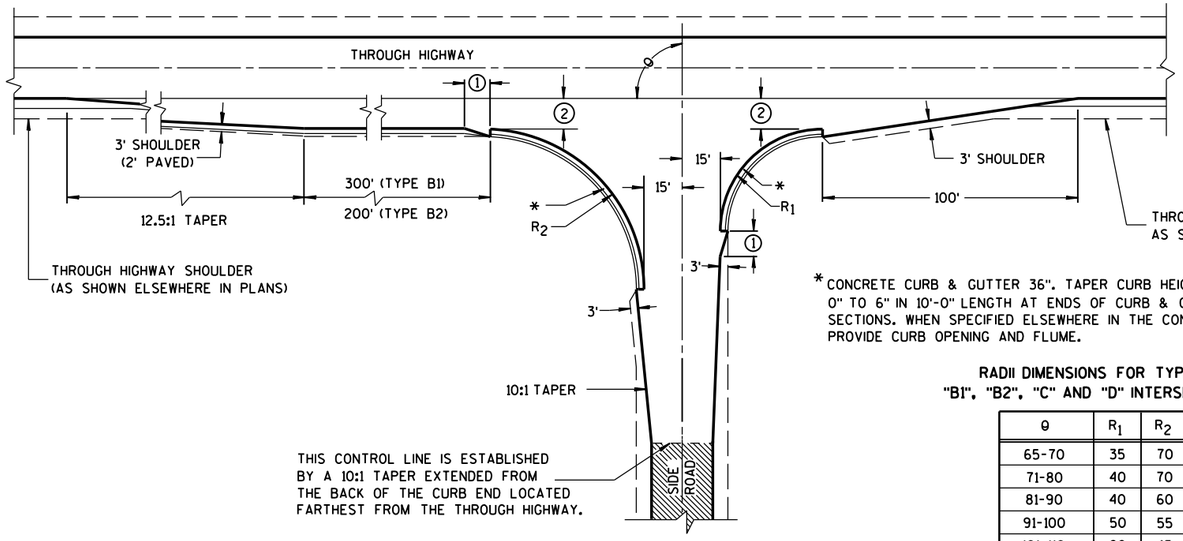
6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

6

S.D.D. 8 F 8-2

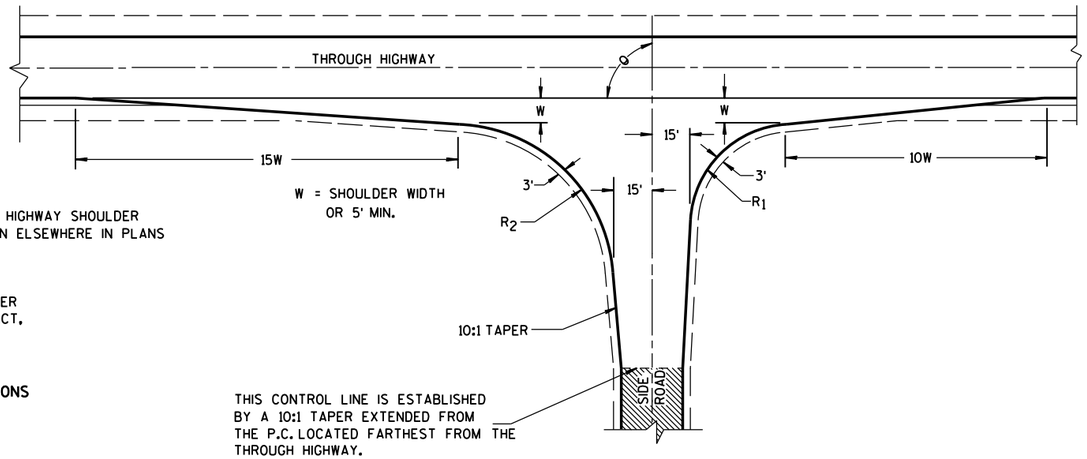


TYPE "B1" AND "B2"

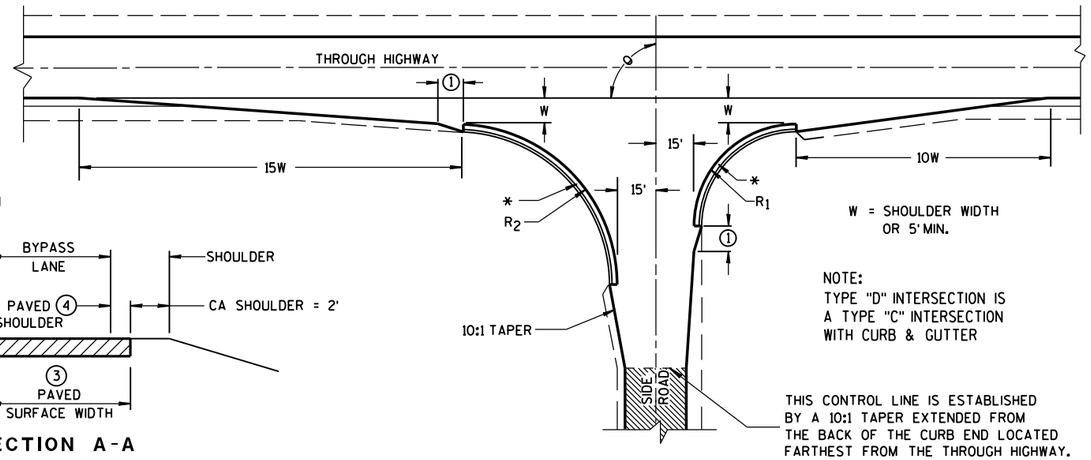
*CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

RADII DIMENSIONS FOR TYPES "B1", "B2", "C" AND "D" INTERSECTIONS

θ	R_1	R_2
65-70	35	70
71-80	40	70
81-90	40	60
91-100	50	55
101-110	60	45



TYPE "C"



TYPE "D"

GENERAL NOTES

DESIGNS MAY BE USED INTERCHANGEABLY IN COMBINATION OR SEPARATELY FOR ANY ONE COMPLETE INTERSECTION DEPENDING UPON INTERSECTION ANGLE AND SURFACING OF EACH APPROACH ROADWAY.

SIDE ROAD SURFACING NOTE

WHEN THE SIDE ROAD IS NOT PRESENTLY PAVED, PAVEMENT SHALL BE PLACED TO THE LIMITS SHOWN UNLESS OTHERWISE PROVIDED IN THE CONTRACT. WHERE THE CONSTRUCTION LIMITS ARE BEYOND THE PAVING LIMITS, CRUSHED AGGREGATE SURFACING SHALL BE PLACED BETWEEN THE PAVING LIMITS AND CONSTRUCTION LIMITS.

WHEN THE SIDE ROAD IS PRESENTLY PAVED, NEW PAVEMENT SHALL BE PLACED TO THE LIMITS OF DESIGN AS SHOWN AND BEYOND, IF NECESSARY, TO MEET EXISTING PAVEMENT.

WHEN THE SIDE ROAD IS THE CONSTRUCTION PROJECT, THE INTERSECTION SURFACING SHALL BE THE SAME AS FOR THE PROJECT.

EXISTING PAVED SURFACE

BYPASS LANE

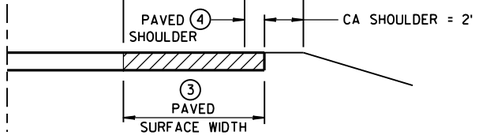
(1) 10-FT TYPICAL.

(2) 12-FT** PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLAN.

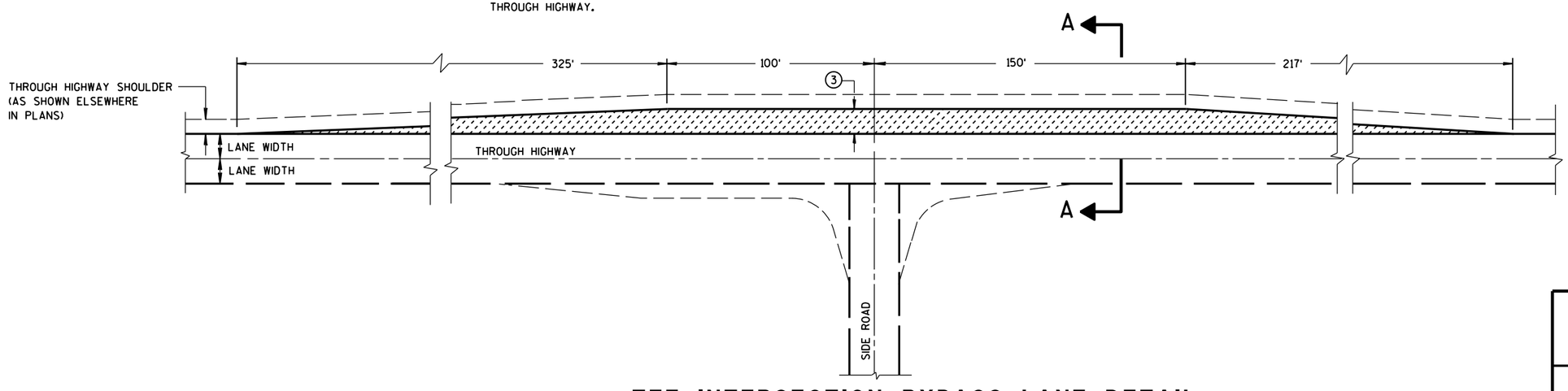
**10-FT MAY BE USED ON TYPE B2 ON RESURFACING PROJECTS IF SPECIFIED IN THE CONTRACT.

(3) BYPASS LANE PAVED SURFACE WIDTH OUTSIDE OF TRAVEL LANE
-ASPHALT = 12-FT PLUS PAVED SHOULDER WIDTH.
-PC CPNCRETE = 13-FT PLUS PAVED SHOULDER WIDTH.

(4) BYPASS LANE PAVED SHOULDER WIDTH = THE GREATER OF 1-FT OR THE PAVED SHOULDER WIDTH OF THE THROUGH HIGHWAY.



SECTION A-A
(SHOWING BYPASS LANE AND SHOULDER)

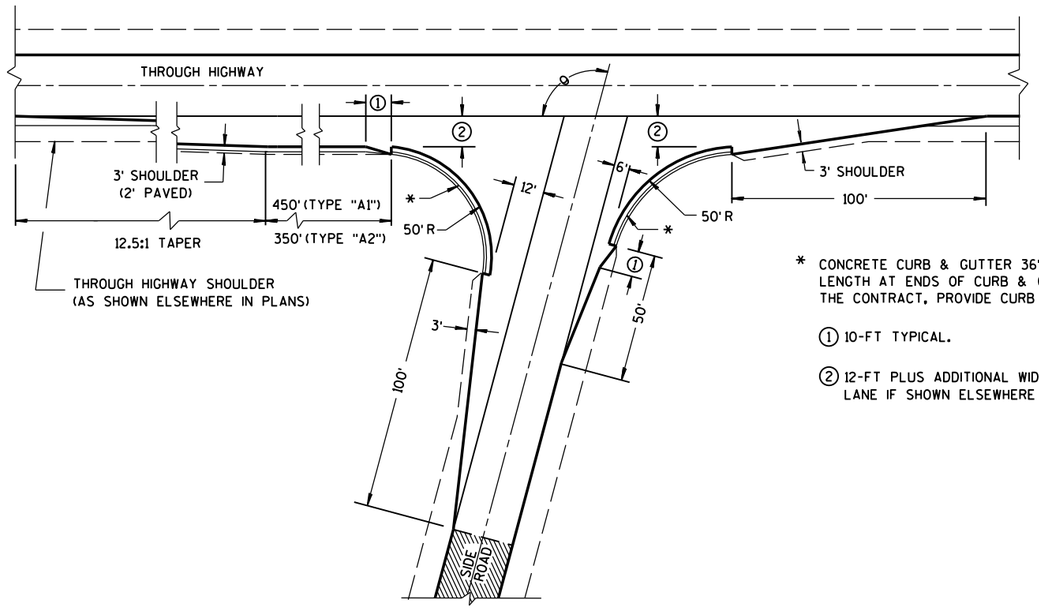


TEE INTERSECTION BYPASS LANE DETAIL

AT-GRADE SIDE ROAD INTERSECTION, TYPES "B1", "B2", "C" AND "D" AND TEE INTERSECTION BYPASS LANE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6
S.D.D. 9 A 1-13a



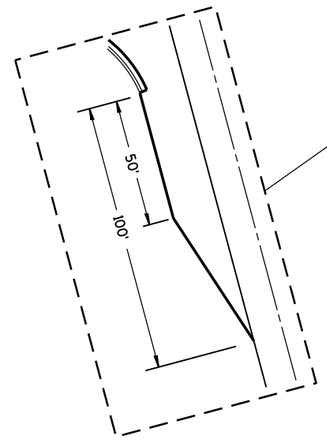
θ = MORE THAN 80°

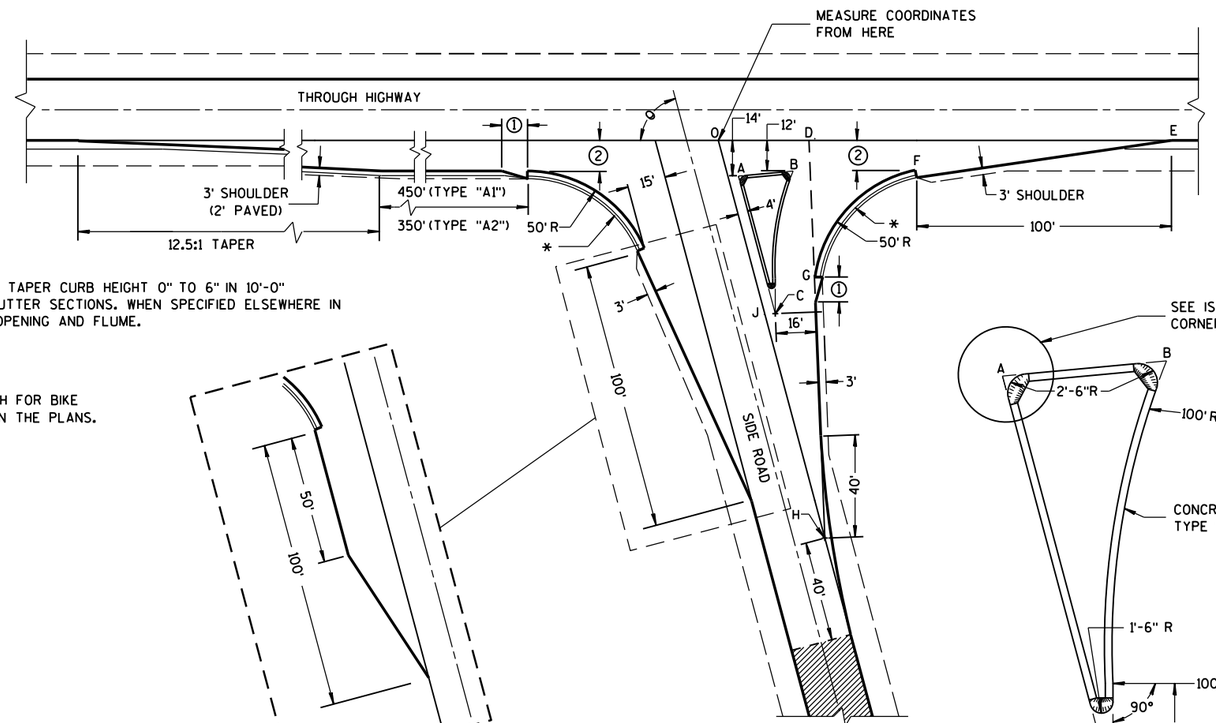
* CONCRETE CURB & GUTTER 36". TAPER CURB HEIGHT 0" TO 6" IN 10'-0" LENGTH AT ENDS OF CURB & GUTTER SECTIONS. WHEN SPECIFIED ELSEWHERE IN THE CONTRACT, PROVIDE CURB OPENING AND FLUME.

① 10-FT TYPICAL.

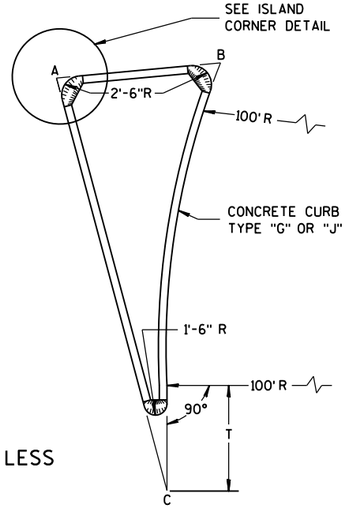
② 12-FT PLUS ADDITIONAL WIDTH FOR BIKE LANE IF SHOWN ELSEWHERE IN THE PLANS.

EXISTING PAVED SURFACE





θ = ACUTE ANGLES 80° OR LESS

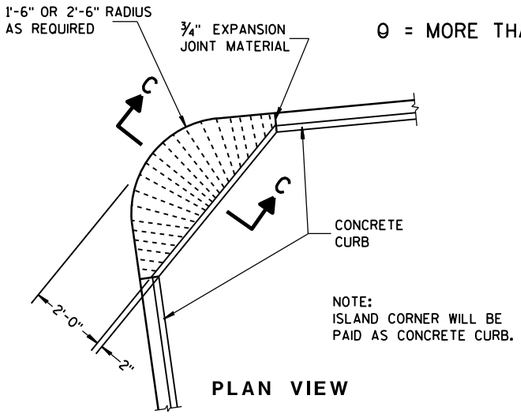


SIDE ROAD WIDENING AND TAPER REQUIRED WHERE THE THROUGH HIGHWAY CARRIES TWO-WAY TRAFFIC
θ = ACUTE ANGLES 70° OR LESS

TABLE OF DIMENSIONS FOR
VARIABLE SIDE ROAD INTERSECTION ANGLES
(INTERPOLATE VALUES FOR ANGLES NOT SHOWN)

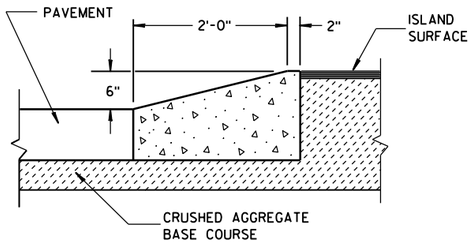
ANGLE θ DEGREES	COORDINATES IN FEET (MEASURED FROM POINT "O") X / Y								LENGTH IN FEET				
	A	B	C	D	E	F	G	H	AB	AC	T	OJ	OH
60	12.7 / -14.0	44.9 / -12.0	46.4 / -72.4	41.9 / 0.0	205.0 / 0.0	104.6 / -12.0	64.0 / -75.5	85.0 / -147.1	32.3	67.4	4.9	85.9	169.9
65	10.9 / -14.0	39.0 / -12.0	37.8 / -71.6	39.4 / 0.0	196.1 / 0.0	95.7 / -12.0	54.1 / -71.5	70.5 / -151.3	28.2	63.6	8.5	80.9	166.9
70	9.4 / -14.0	33.9 / -12.0	29.8 / -70.1	37.4 / 0.0	188.3 / 0.0	87.8 / -12.0	45.6 / -67.5	56.1 / -154.2	24.6	59.7	11.5	76.1	164.1
75	7.9 / -14.0	29.3 / -12.0	22.3 / -67.9	35.7 / 0.0	181.2 / 0.0	80.7 / -12.0	38.2 / -63.4	41.8 / -155.9	21.5	55.8	13.8	71.4	161.4
80	6.5 / -14.0	25.4 / -12.0	15.6 / -65.2	34.4 / 0.0	174.8 / 0.0	74.4 / -12.0	31.8 / -59.3	27.6 / -156.5	18.9	52.0	15.6	66.9	158.9

TYPE "A1" & "A2" SIDE ROAD INTERSECTION DETAILS



NOTE:
ISLAND CORNER WILL BE PAID AS CONCRETE CURB.

PLAN VIEW



SECTION C-C

ISLAND CORNER DETAIL

(TO BE CONSTRUCTED AT ALL ISLAND CORNERS)

AT-GRADE SIDE ROAD INTERSECTION, TYPE "A1" & "A2"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

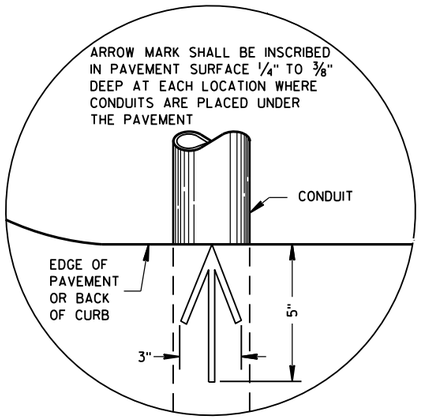
APPROVED
12/18/12 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 9 A 1-13b

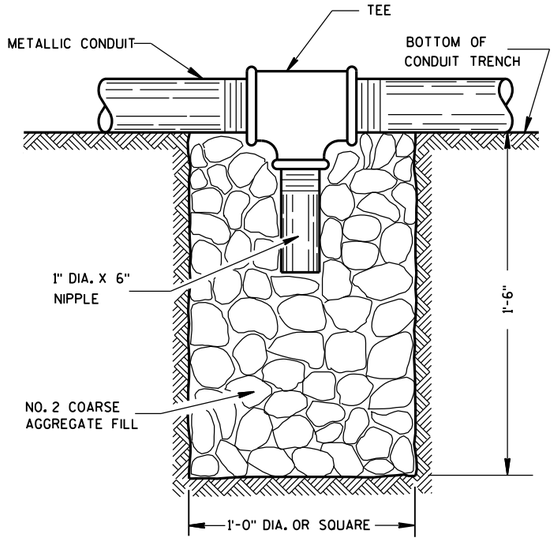
6

S.D.D. 9 A 1-13b



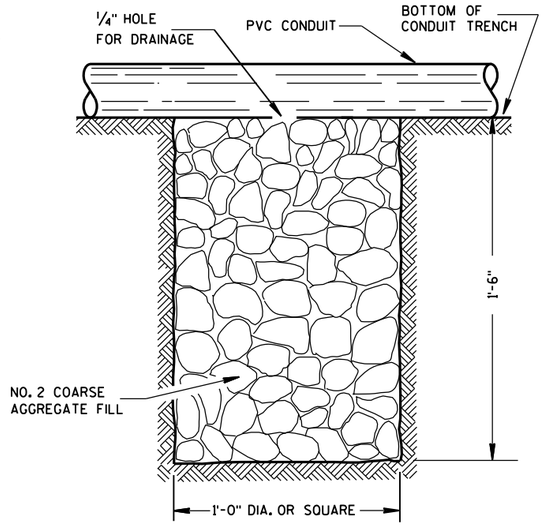
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

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.

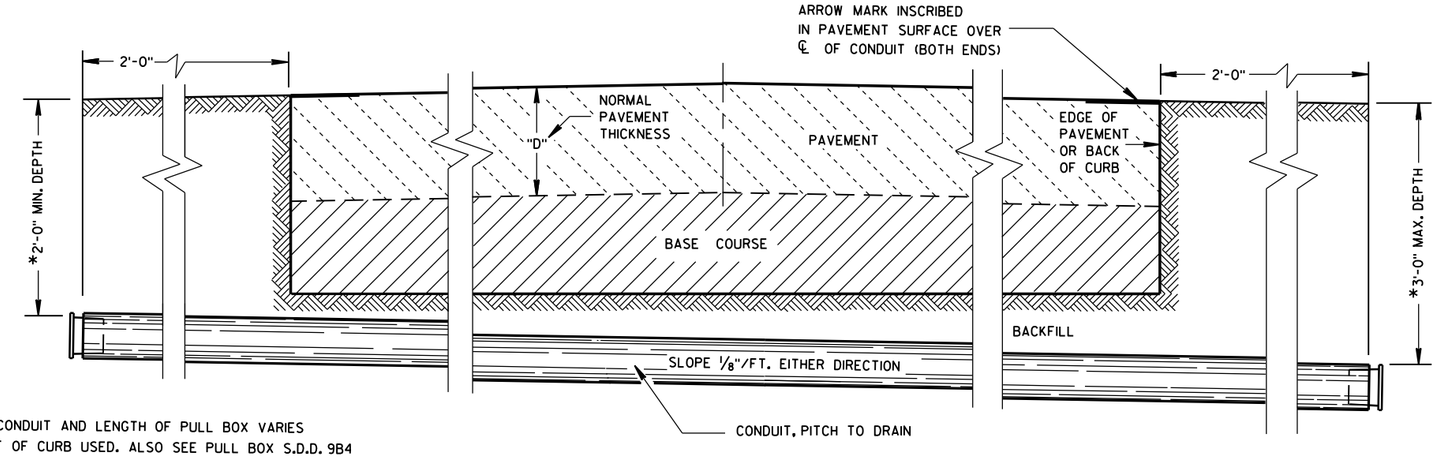
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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.



*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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

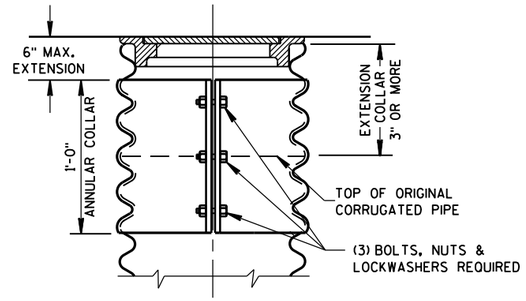
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

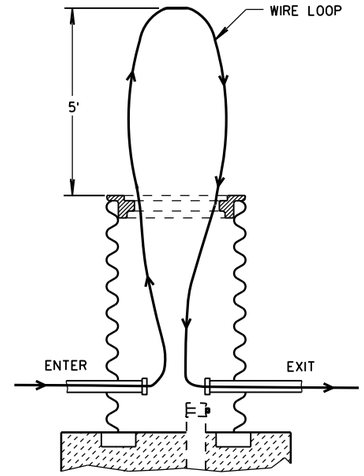
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

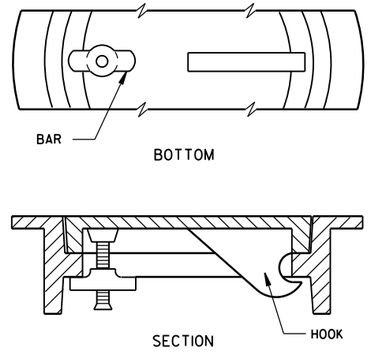
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

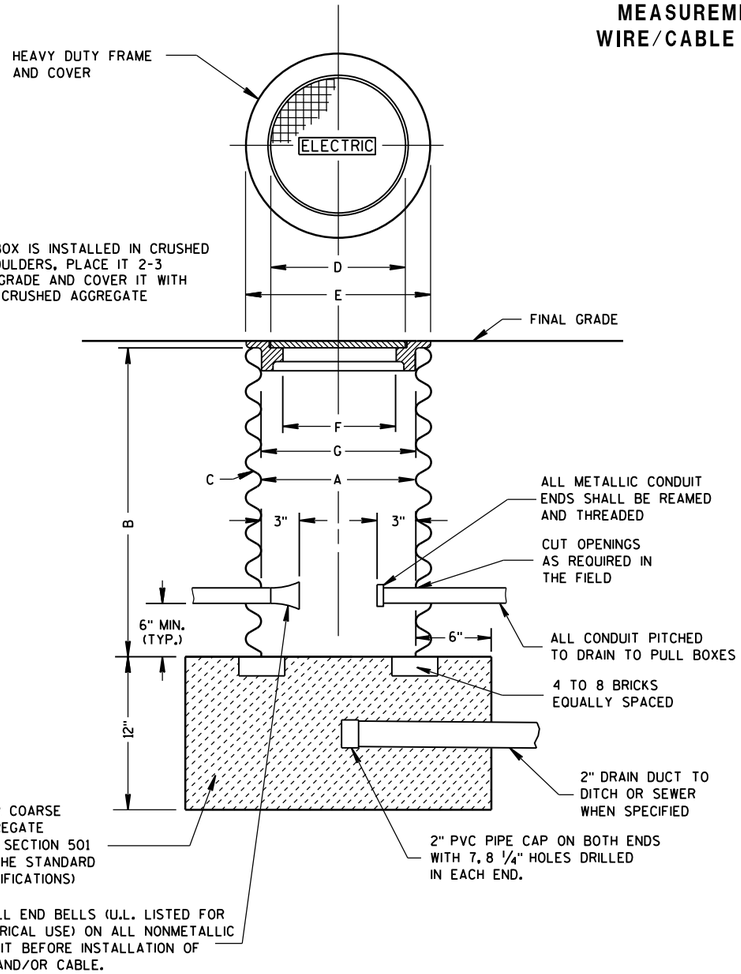


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



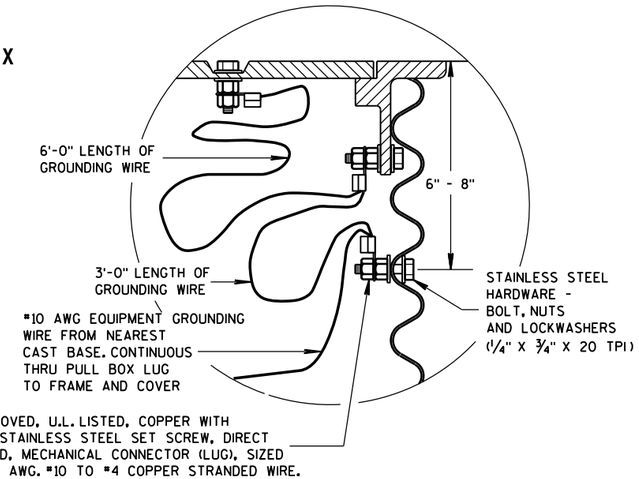
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE

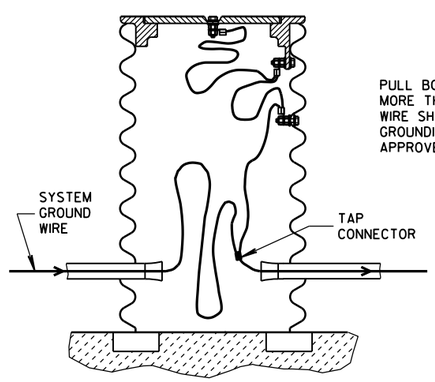


WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.

PULL BOX

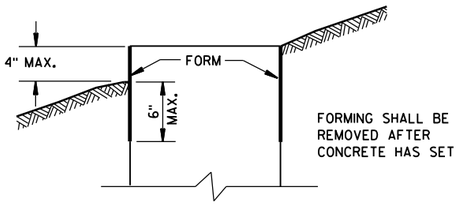
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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 DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 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 NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

GENERAL NOTES (CONTINUED)

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 1, TYPE 2, TYPE 5, AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE OF THE TYPE 2 AND TYPE 5 BASES 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" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END 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 BY THE ENGINEER.

(2) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(3) (4) 1" DIA. X 5'-0" ANCHOR RODS.

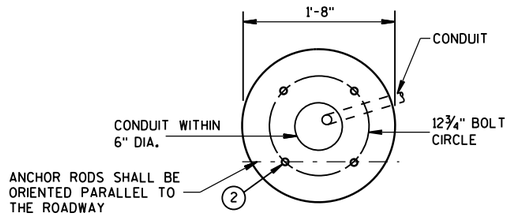
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

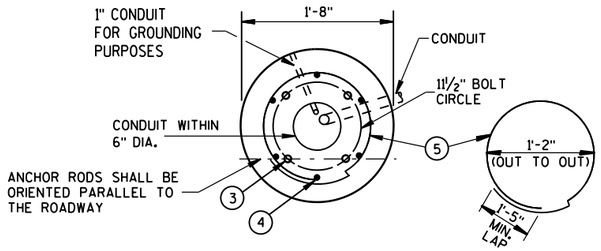
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

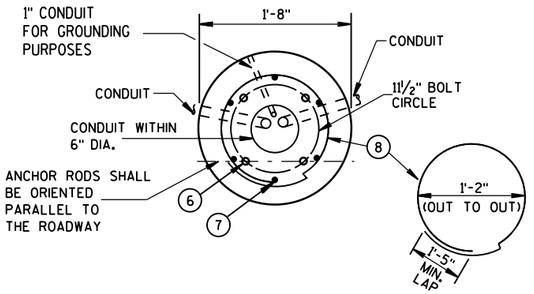
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

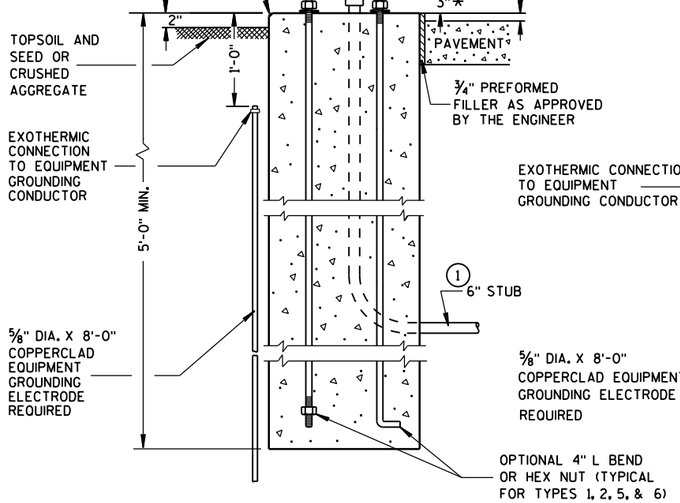






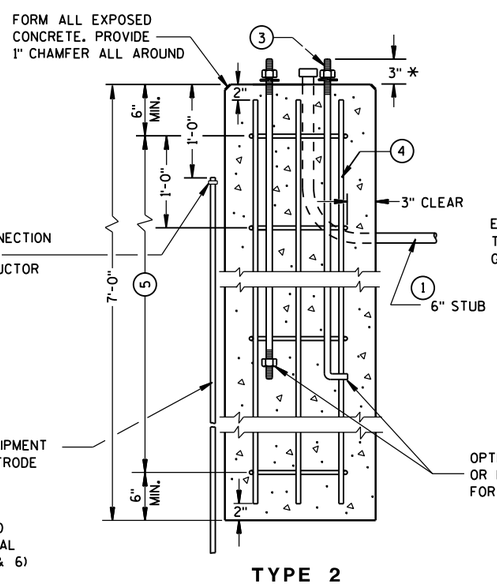
HALF SECTION IN UNPAVED AREA

(TYPICAL FOR TYPES 1, 2, 5, & 6)

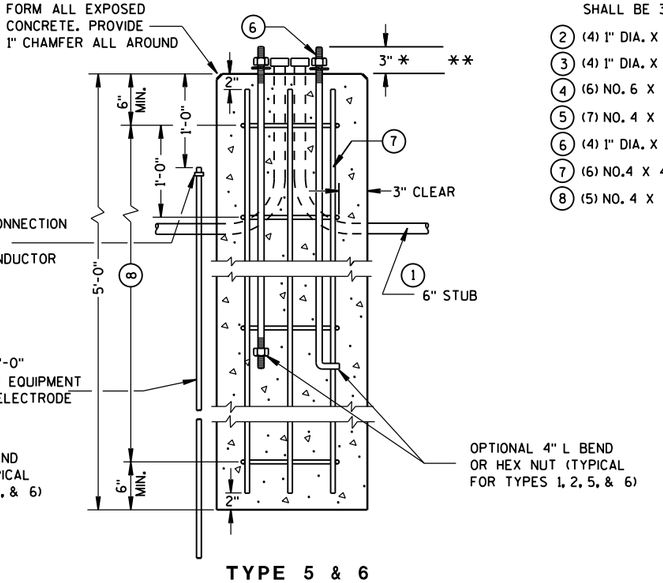


HALF SECTION IN PAVEMENT

(TYPICAL FOR TYPES 1, 2, 5, & 6)



TYPE 2



TYPE 5 & 6

CONCRETE BASES

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

** FOR NONBREAKAWAY INSTALLATIONS, 4½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

CONCRETE BASES, TYPES 1, 2, 5, & 6

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 2-7

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 641.2.2 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.

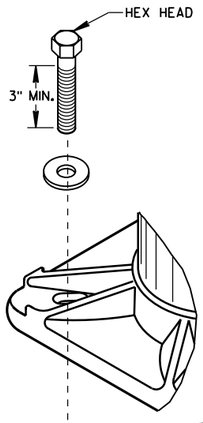
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

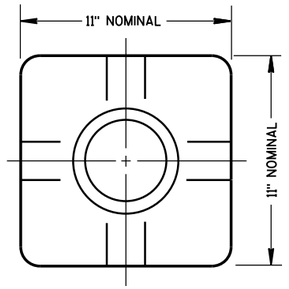
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

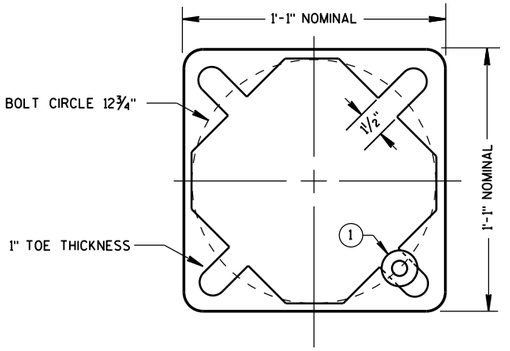
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

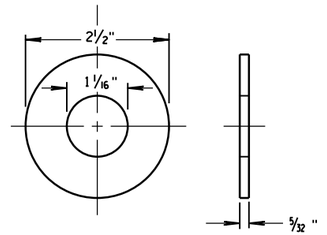




TOP VIEW
(PEDESTAL BASE)

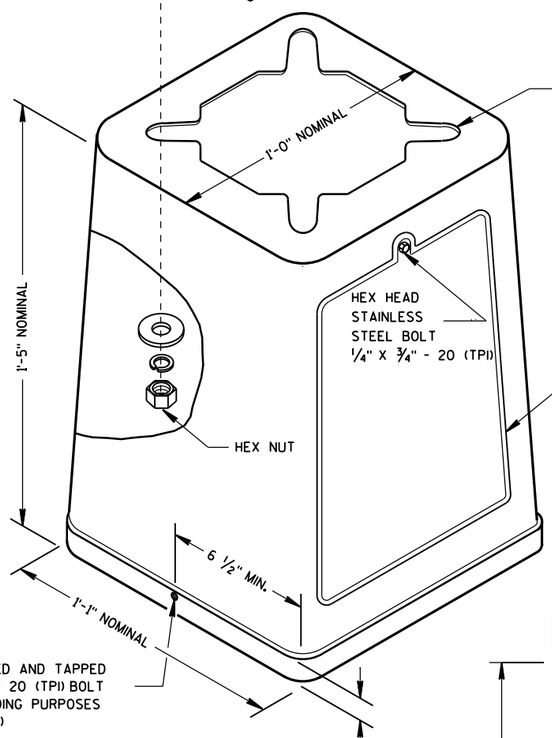


BOTTOM VIEW
(PEDESTAL BASE)

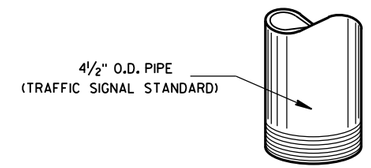


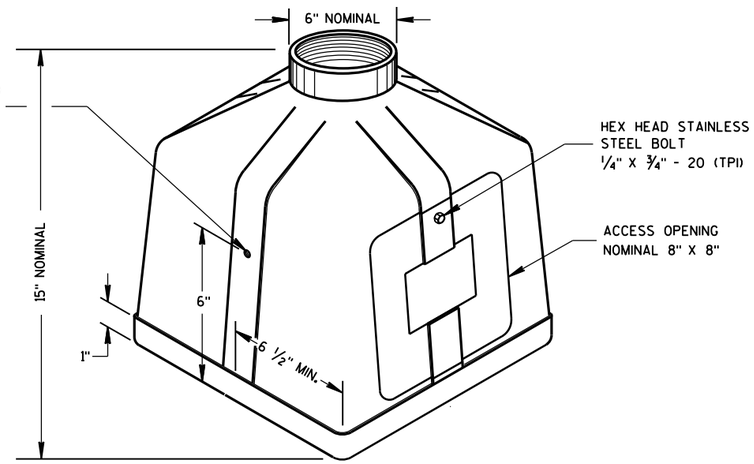
ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

PEDESTAL BASE WASHER (1)



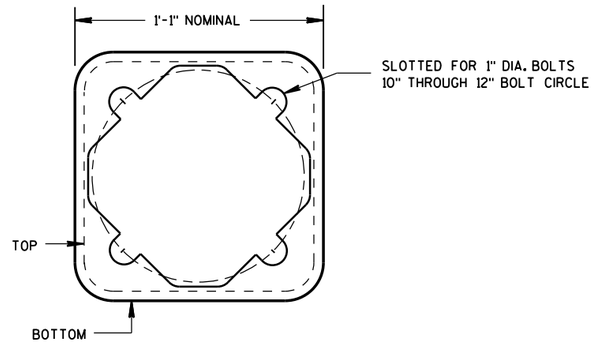
ISOMETRIC VIEW



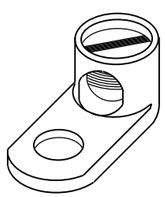


ISOMETRIC VIEW

PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

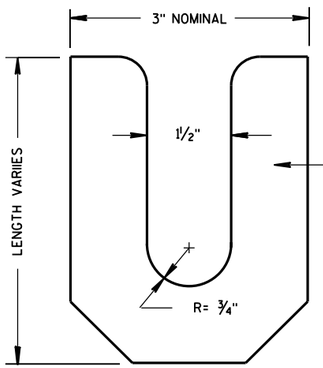


TYPICAL MECHANICAL CONNECTOR LUG

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
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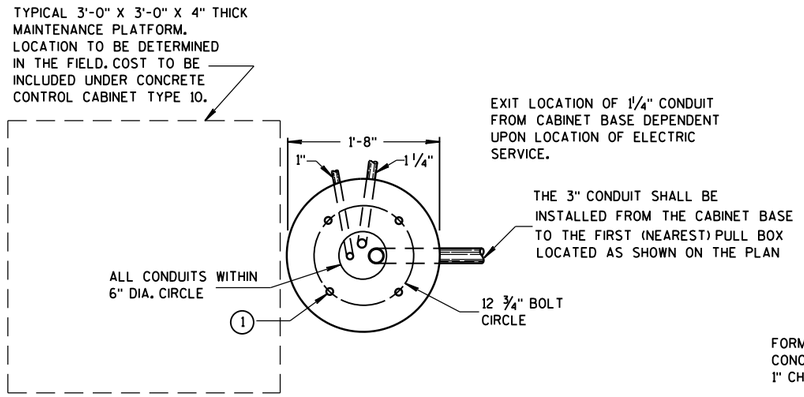
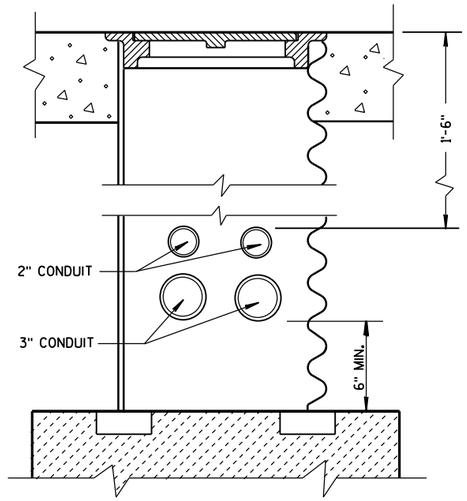
CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	H	I	J	K	
TYPE 6 - 30" CABINET	34"	60"	10"	17"	.64
TYPE 7 - 38" CABINET	42"	60"	10"	21"	.93
TYPE 8 - 38" CABINET	42"	72"	12"	21"	1.29
TYPE 9 - VARIABLE	54"	72"	14"	27"	1.56
TYPE 10 - POST MOUNT	AS SHOWN				.65 *

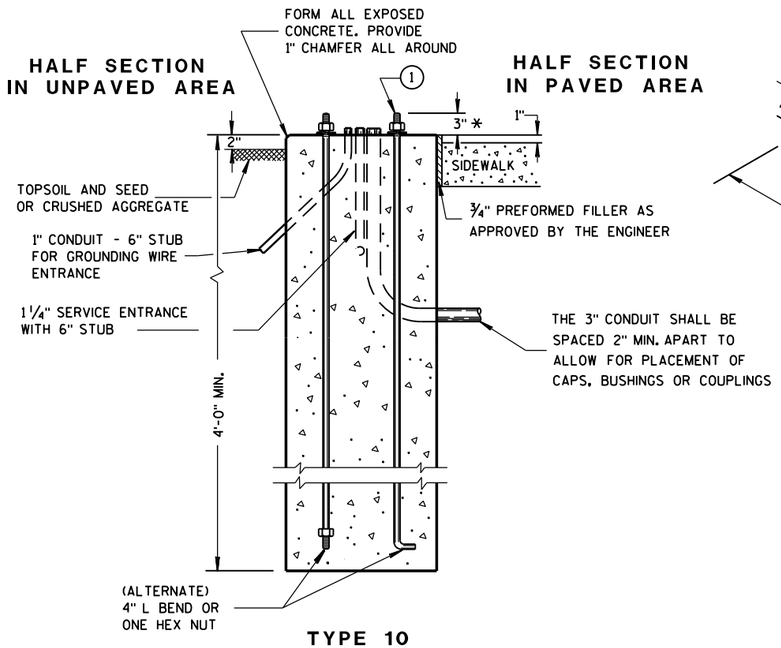
* INCLUDES MAINTENANCE PLATFORM.



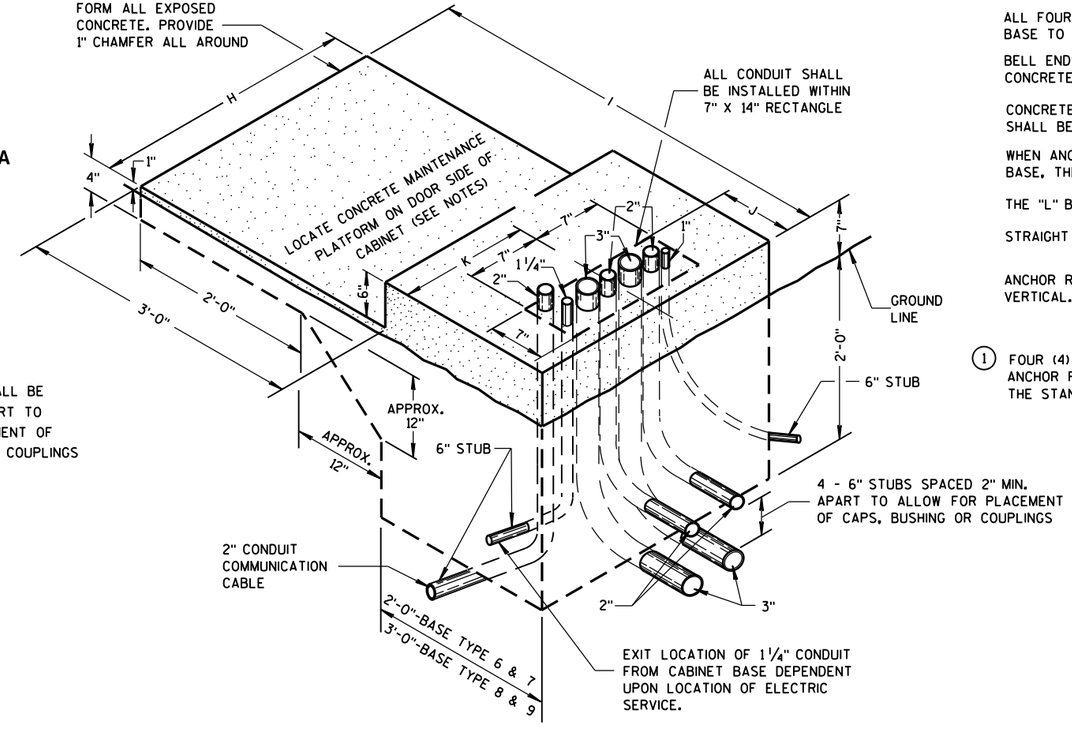


CONDUIT LOCATIONS IN 24" X 36" PULL BOX

(LEADING TO CONTROLLER CABINET BASE TYPE 6, 7, 8 AND 9)



TYPE 10



TYPE 6,7,8 AND 9
(ISOMETRIC VIEW)

* ANY ANCHOR ROD PROJECTION SHORTER THAN 2¾" OR LONGER THAN 3¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

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 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 SURFACES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND 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.

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.

ALL FOUR (TWO INCH AND THREE INCH) CONDUIT SHALL BE INSTALLED FROM THE CABINET BASE TO THE FIRST (NEAREST PULL BOX LOCATED AS SHOWN ON THE PLANS.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

(1) FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6". ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

CONCRETE CONTROL CABINET BASES

CONCRETE CONTROL CABINET BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
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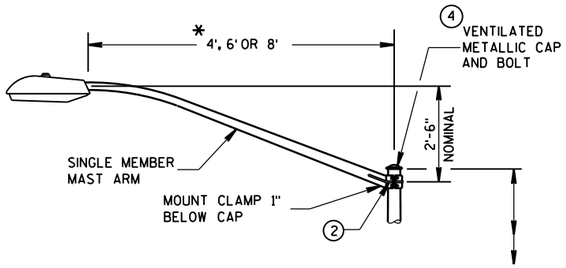
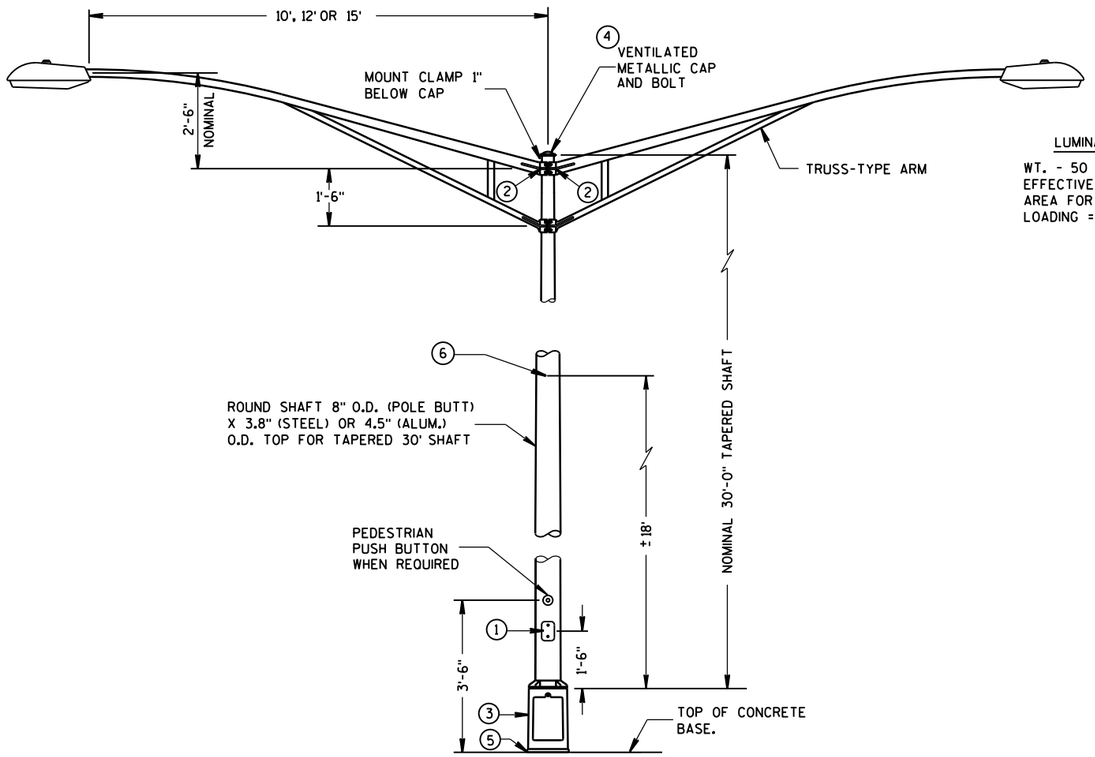
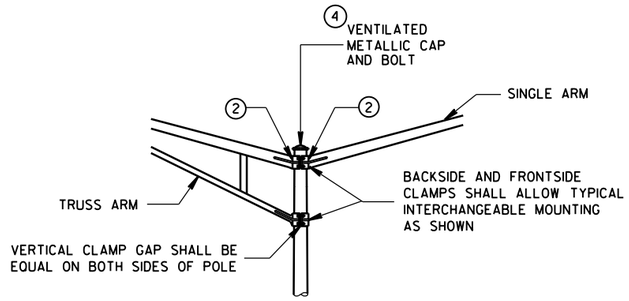
S.D.D. 9 C 5-9

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

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

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.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" 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 THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

6

S.D.D. 9 E 1-14d

POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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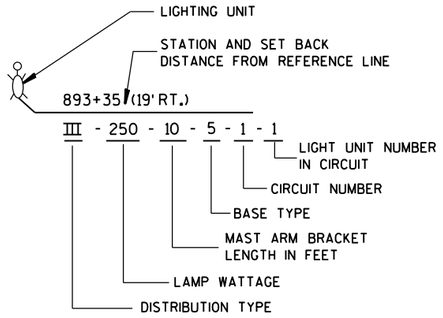
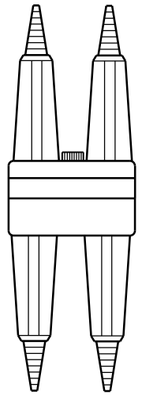
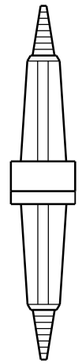


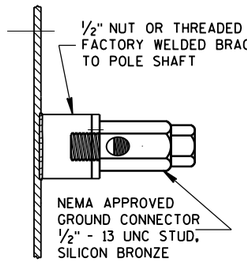
LIGHTING UNIT CODE
(TYPICAL)

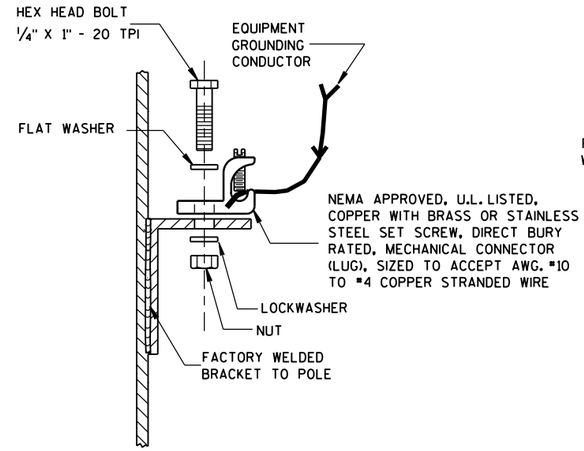


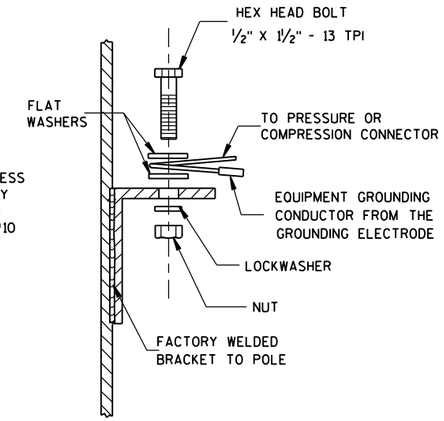
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



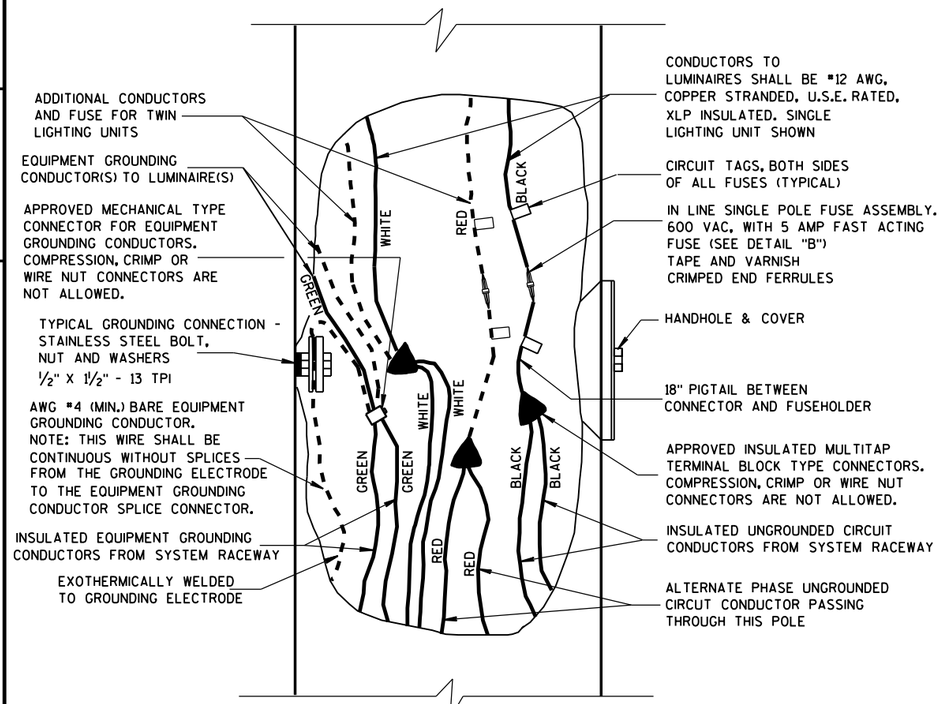
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



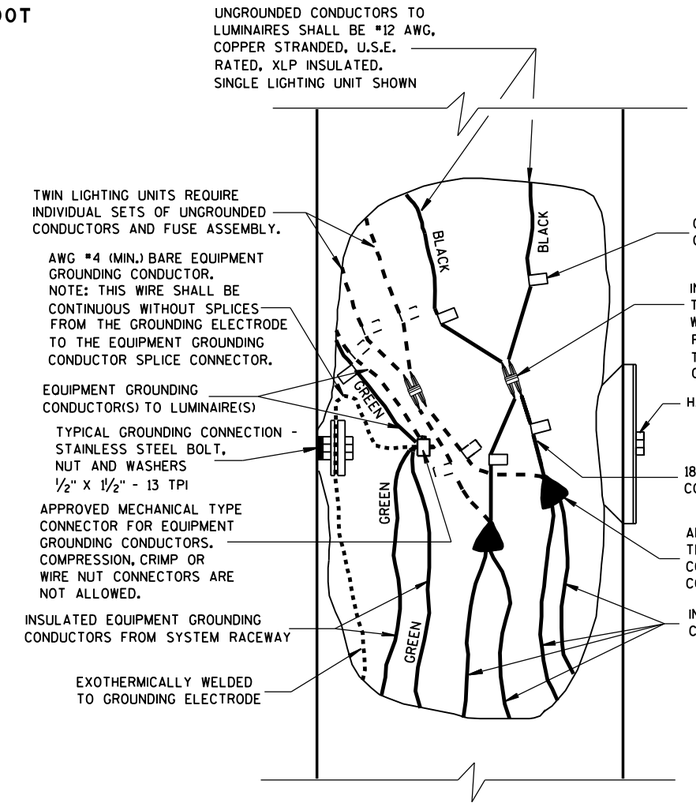




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTOR) WITH GROUNDED CONDUCTOR AND WITH EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

GENERAL NOTES

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

THE EQUIPMENT GROUNDING CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND THEN 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.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
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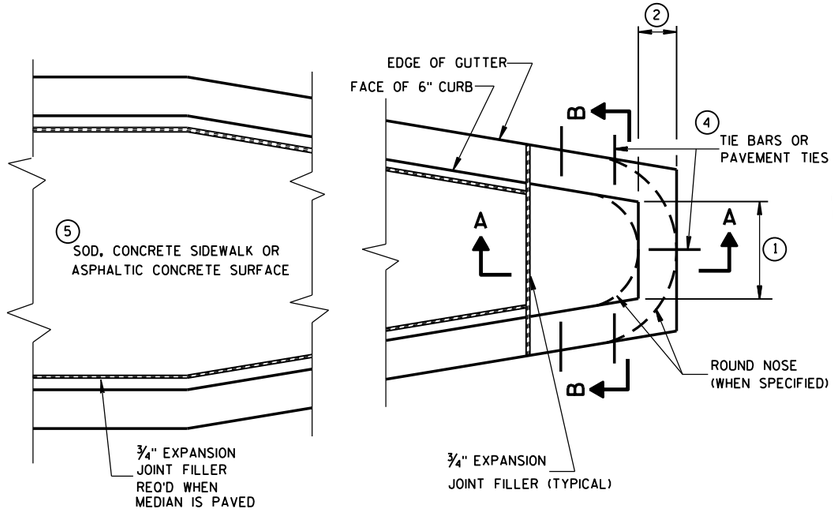
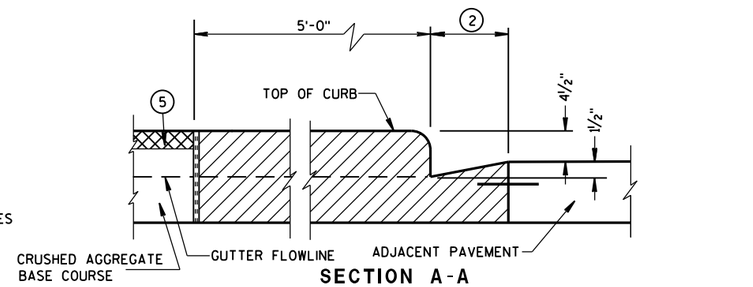
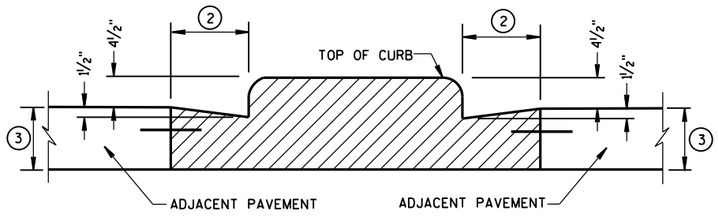






CONCRETE MEDIAN BLUNT NOSE DETAIL

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.

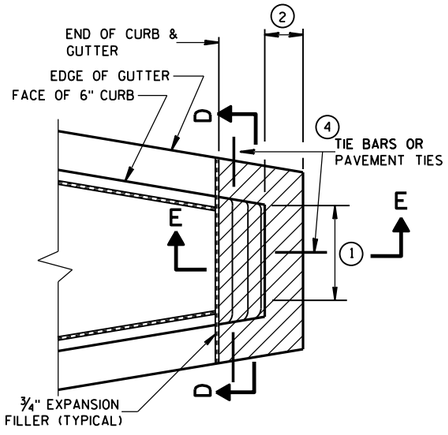
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

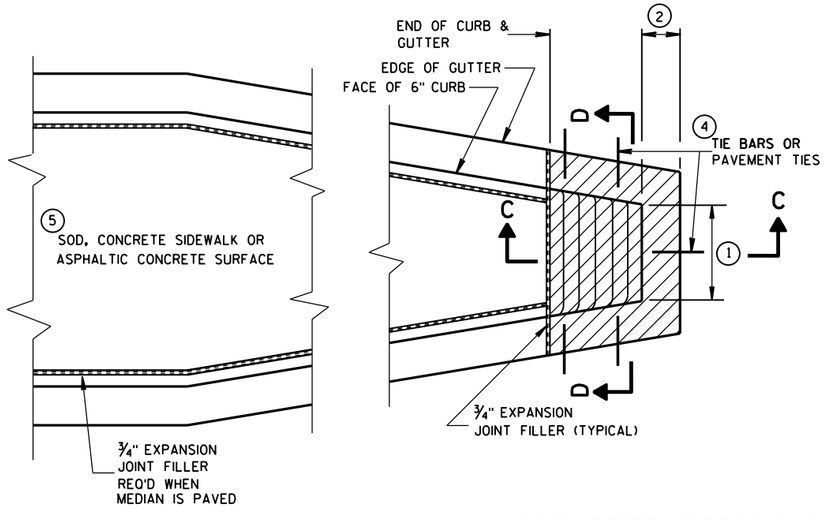
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

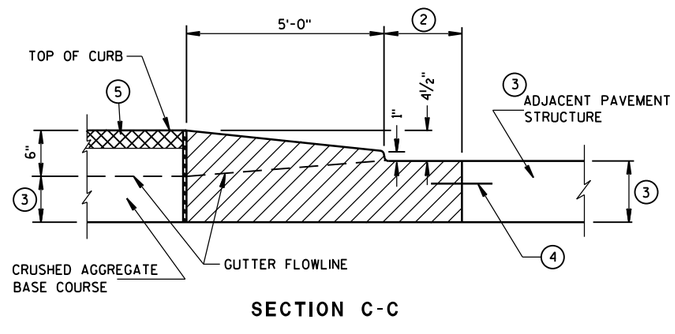
(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

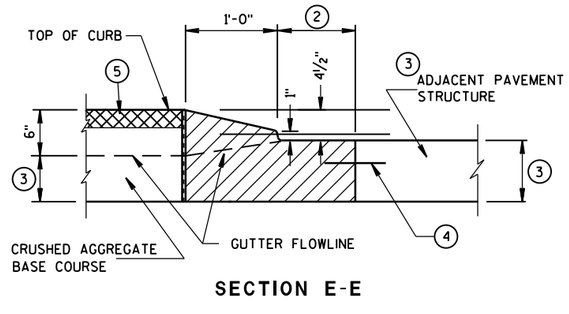
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.



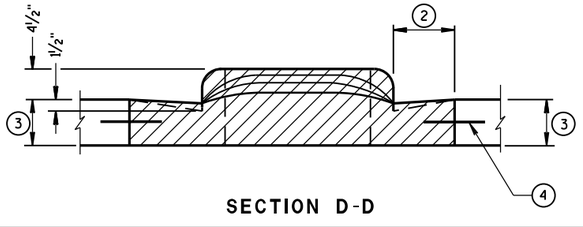






CONCRETE MEDIAN SLOPED NOSE TYPE 1

CONCRETE MEDIAN SLOPED NOSE TYPE 2



CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

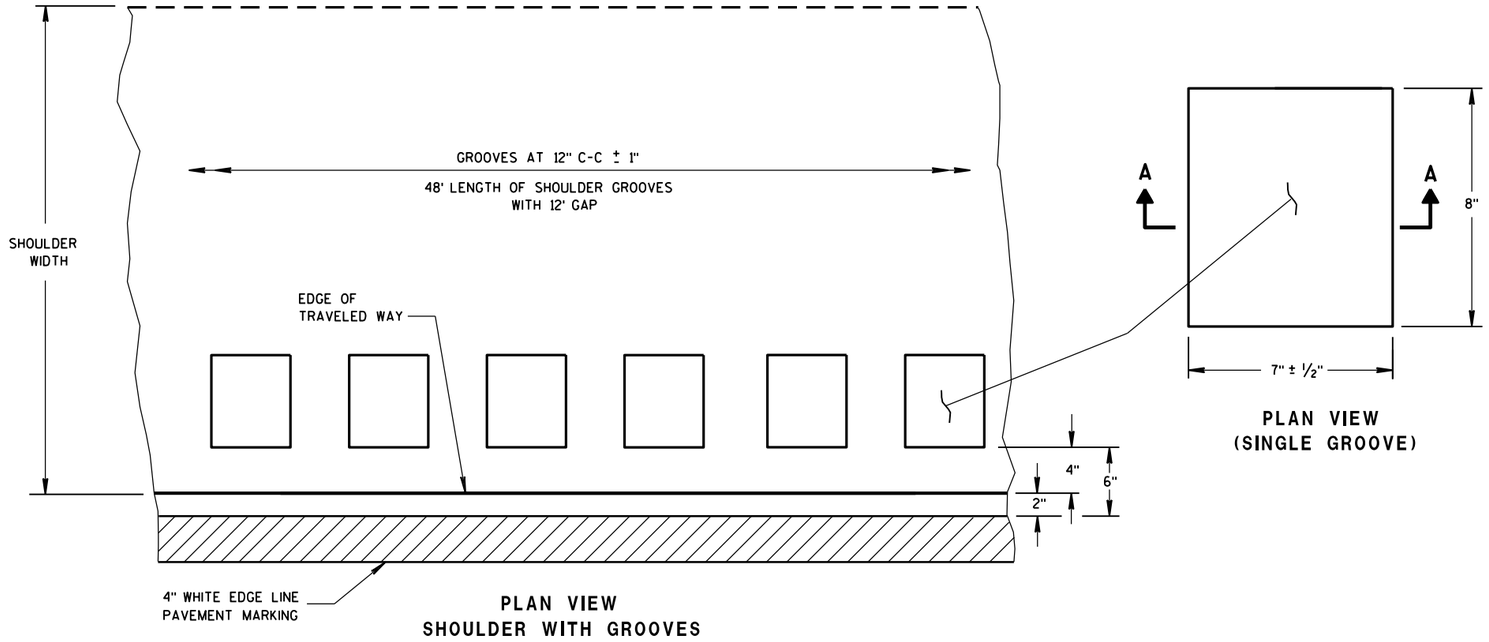
FHWA

6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2



PLAN VIEW
SHOULDER WITH GROOVES

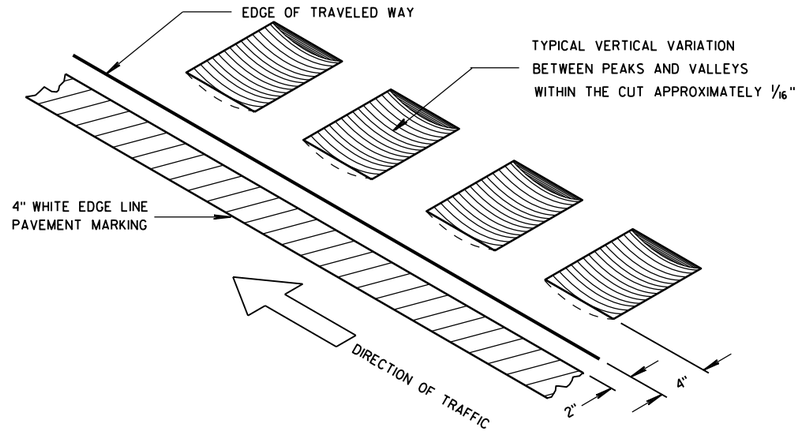
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

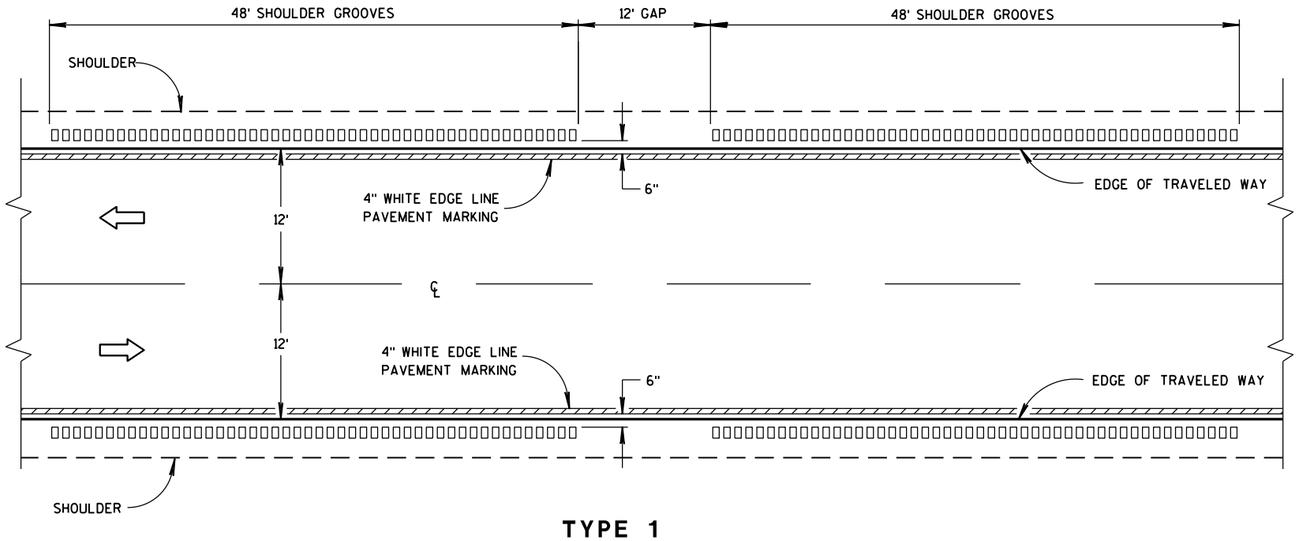
DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.

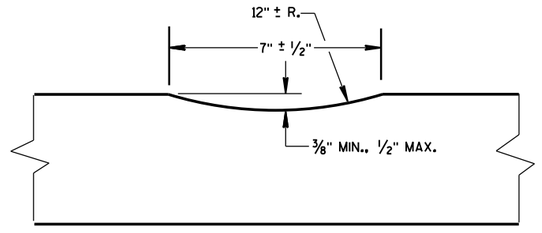


ISOMETRIC

PLACEMENT DETAIL FOR TYPE 1 MILLED RUMBLE STRIP



TYPE 1
2-LANE SHOULDER RUMBLE STRIP



SECTION A-A

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

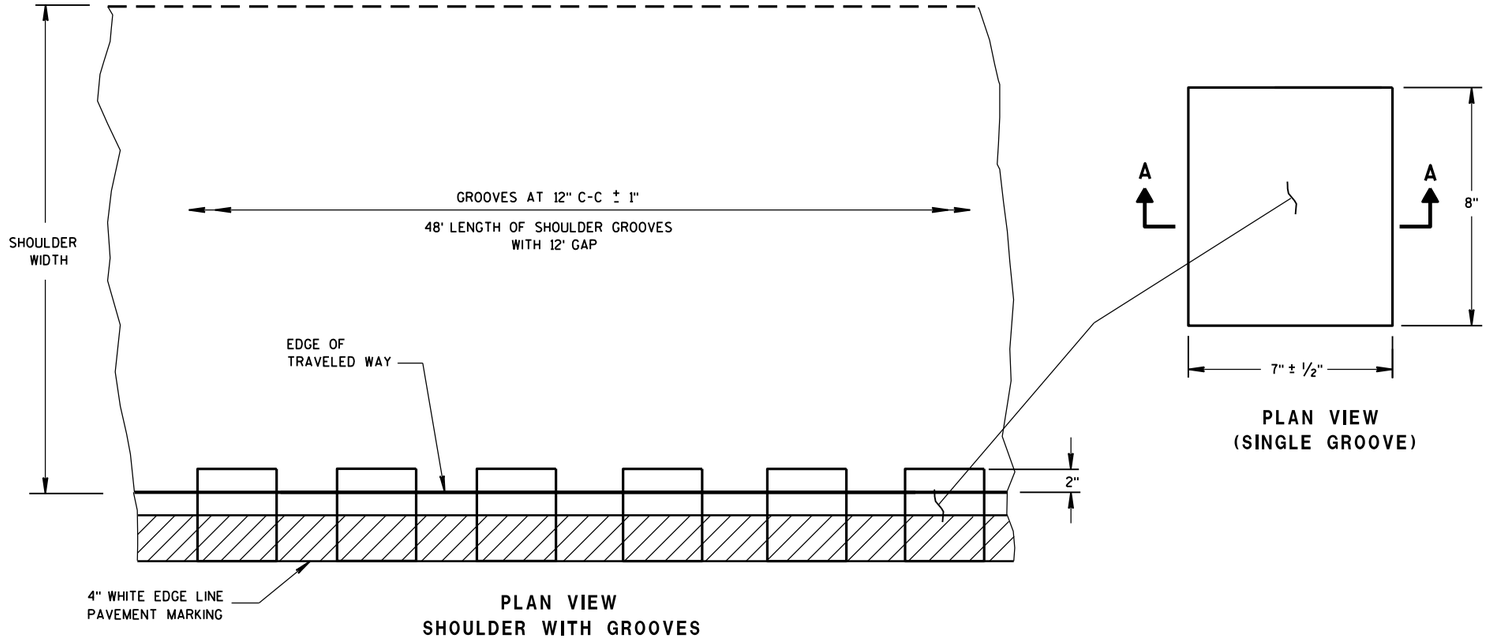
STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

S.D.D. 13 A 10-1a

6

S.D.D. 13 A 10-1a



PLAN VIEW
SHOULDER WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

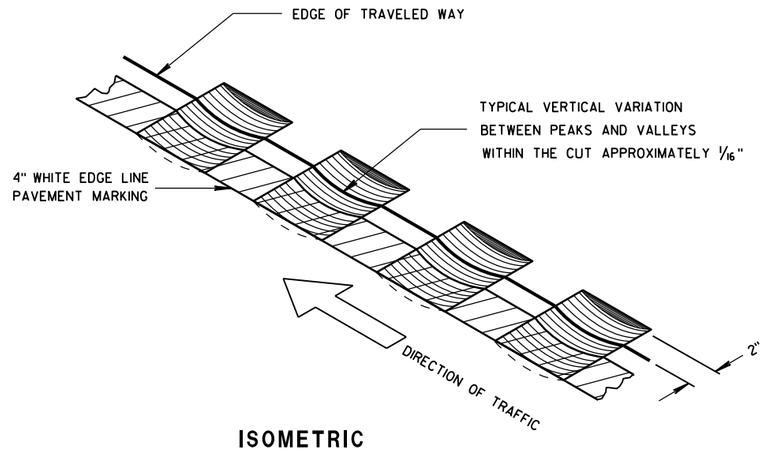
PLACEMENT DETAIL FOR TYPE 2 MILLED RUMBLE STRIP

GENERAL NOTES

DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL SHOULDER GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

(1) SHOULDER GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



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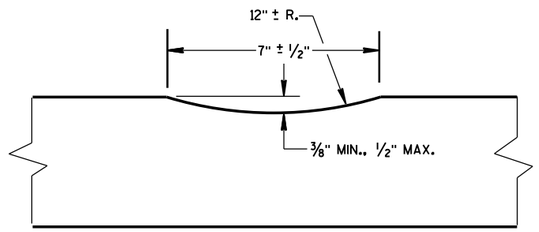
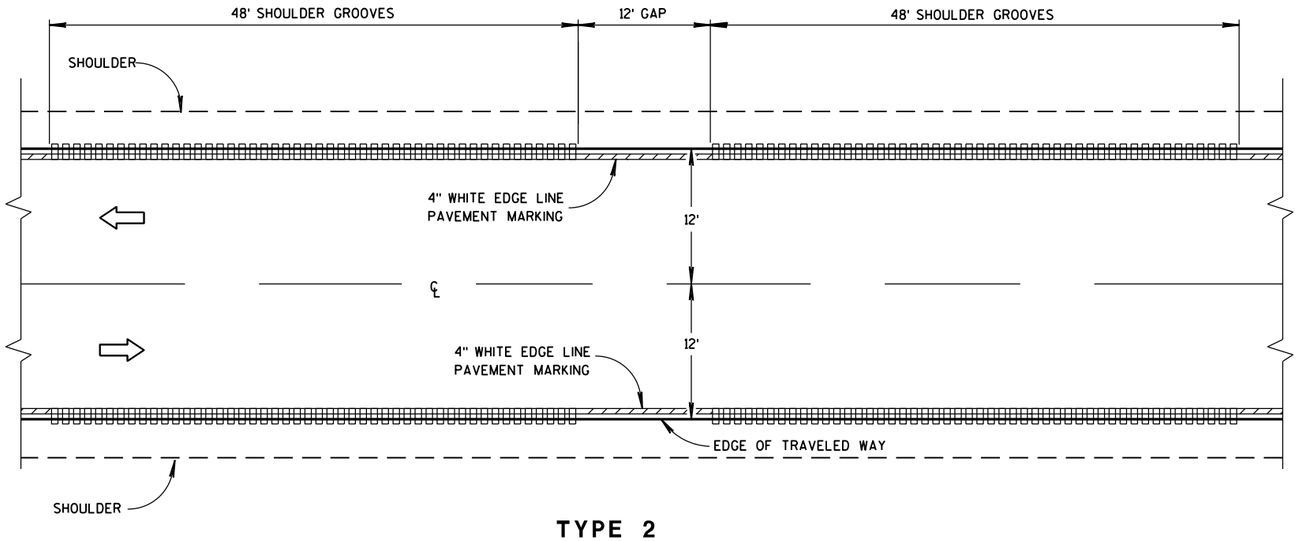


SECTION A-A



TYPE 2
2-LANE SHOULDER RUMBLE STRIP

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

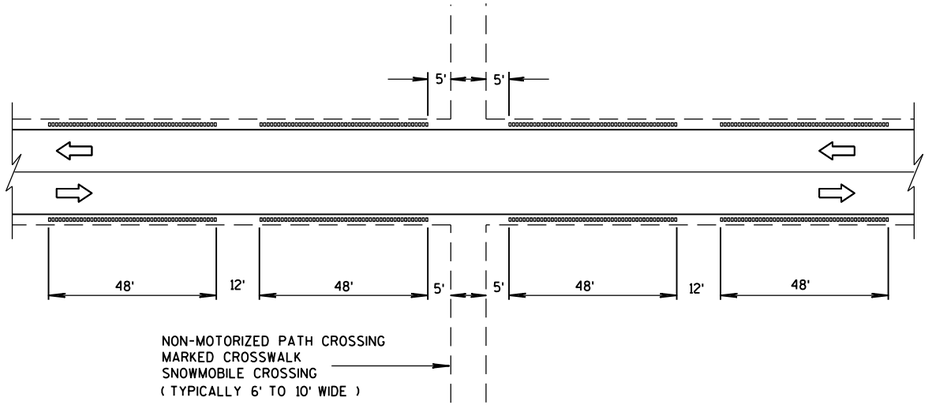
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

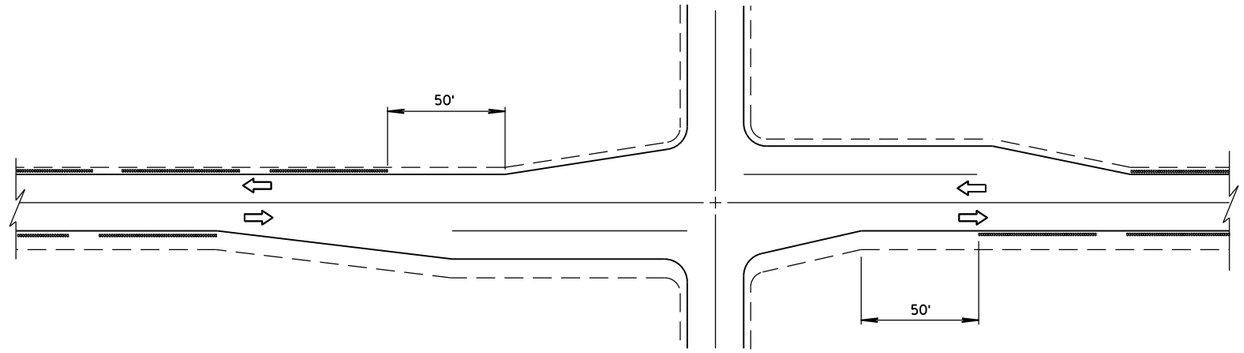
S.D.D. 13 A 10-1b

6

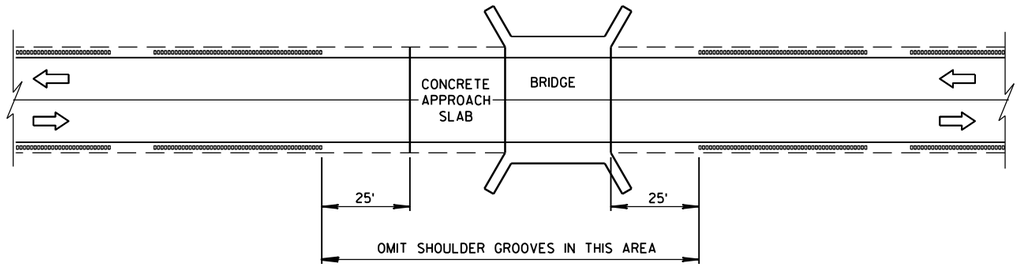
S.D.D. 13 A 10-1b



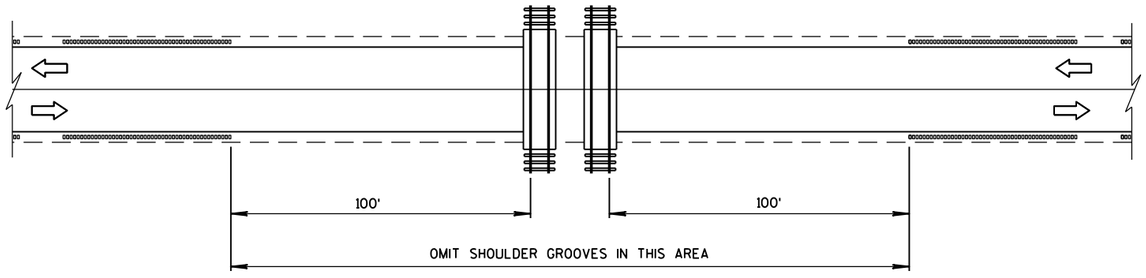
SHOULDER GROOVES AT MISCELLANEOUS CROSSINGS



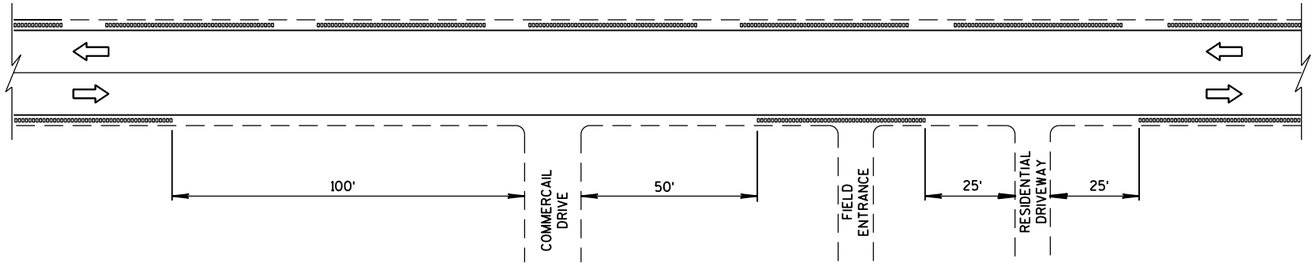
SHOULDER GROOVES AT INTERSECTIONS



SHOULDER GROOVES AT BRIDGES



SHOULDER GROOVES AT RAILROADS



SHOULDER GROOVES AT DRIVEWAYS (1)

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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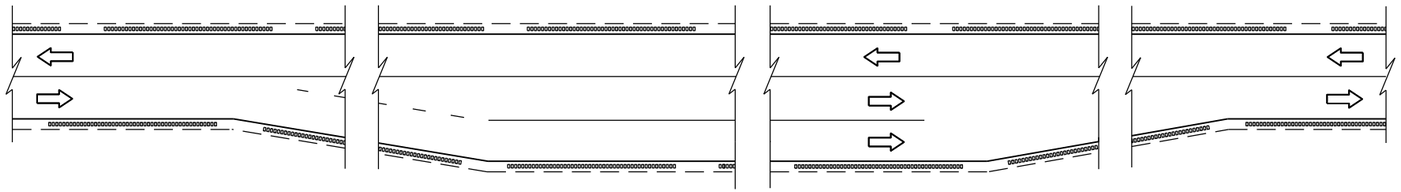
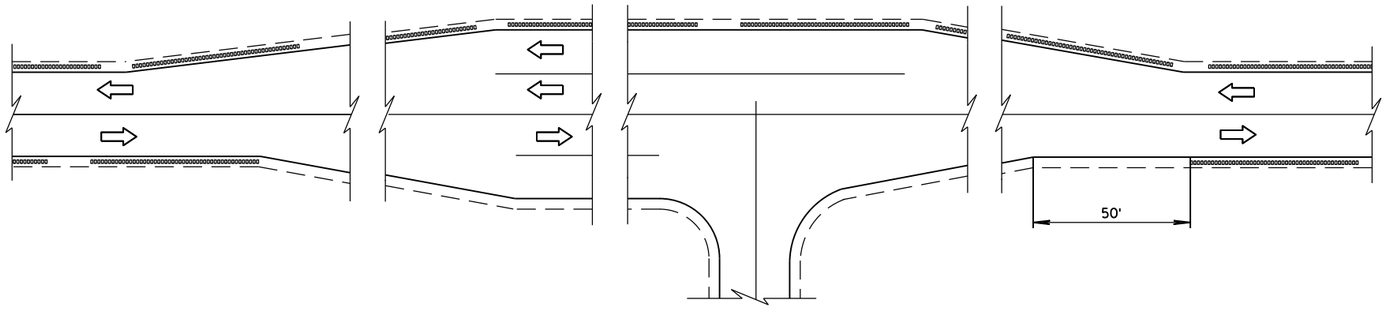
S.D.D. 13 A 10-1c



SHOULDER GROOVES AT PASSING AND CLIMBING LANES



SHOULDER GROOVES AT BYPASS LANES

6

6

S.D.D. 13 A 10-1d

S.D.D. 13 A 10-1d

2-LANE RURAL
SHOULDER RUMBLE STRIP, MILLING

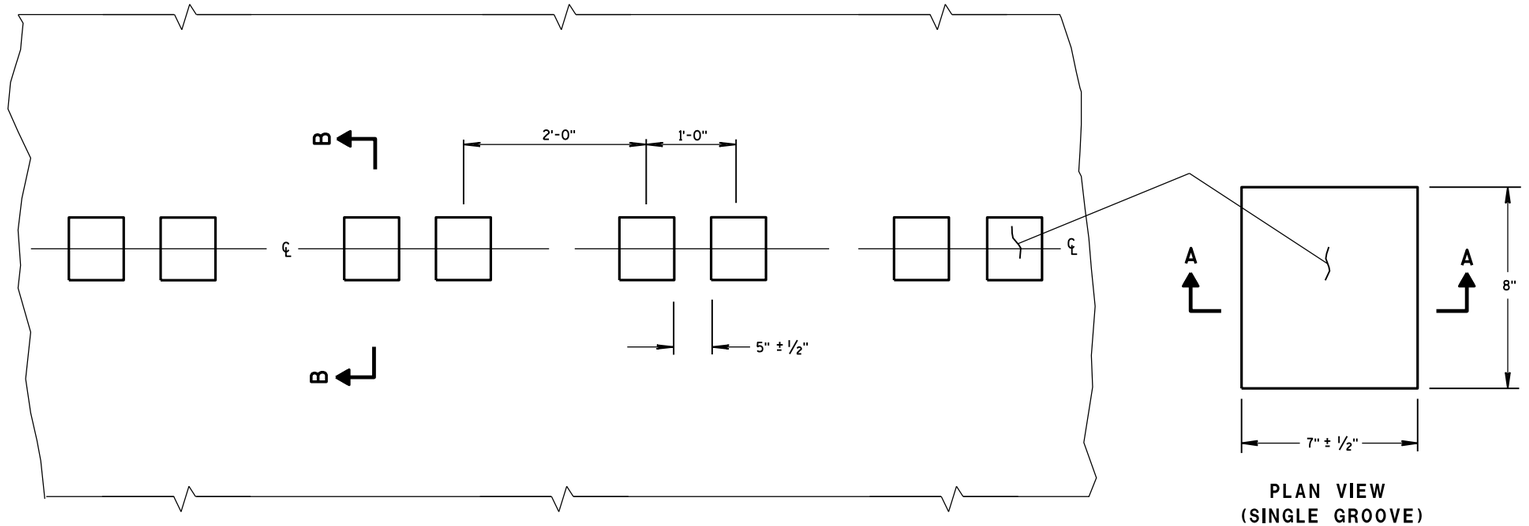
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

12/17/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA



PLAN VIEW
CENTER LINE WITH GROOVES

PLAN VIEW
(SINGLE GROOVE)

PLACEMENT DETAIL FOR MILLED RUMBLE STRIP

GENERAL NOTES

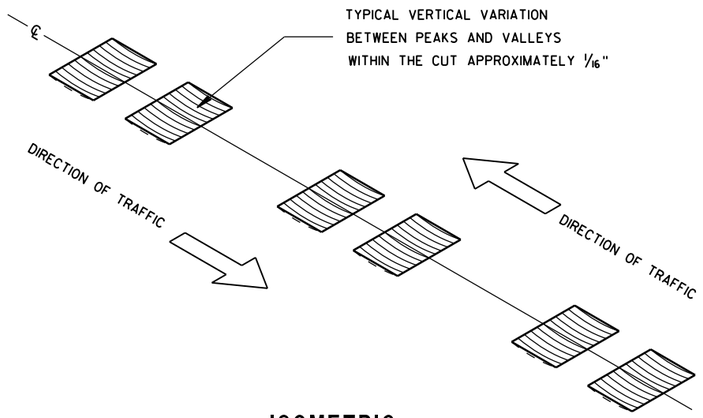
DETAILS OF CONSTRUCTION SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

DO NOT MILL CENTER LINE GROOVES THROUGH ANY INTERSECTION, MARKED CROSSWALK, NON-MOTORIZED PATH CROSSING, OR SNOWMOBILE CROSSING.

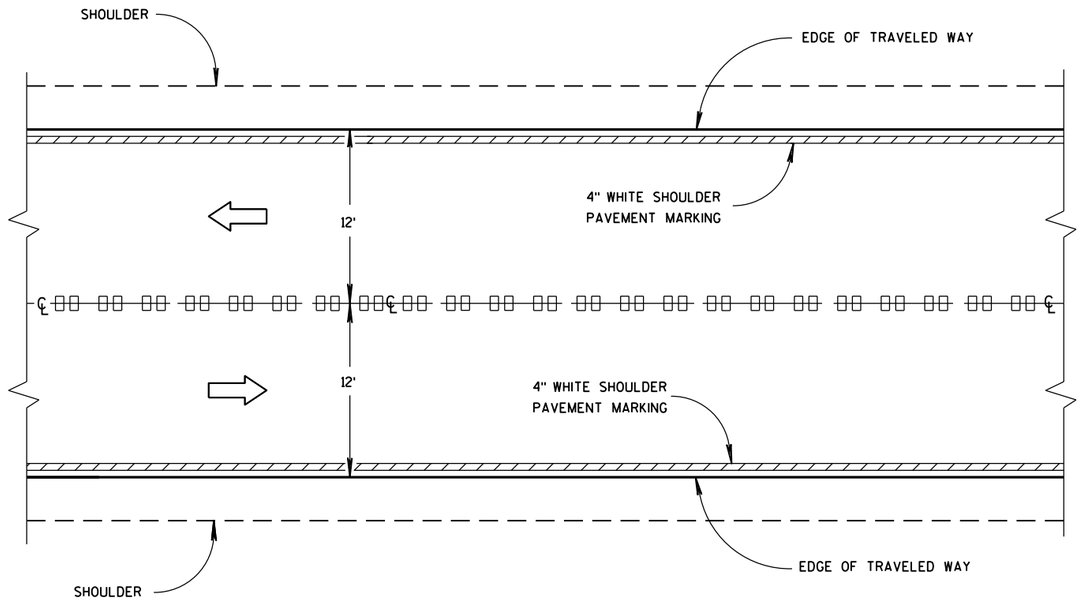
INSTALL PAVEMENT MARKING AFTER THE GROOVES ARE INSTALLED.

SEE SIGNING PLAN FOR SIGN REQUIREMENTS THAT MAY BE NEEDED.

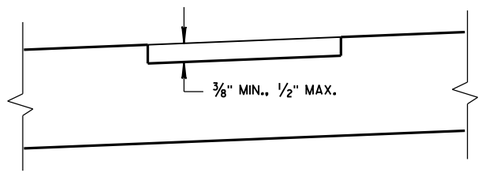
(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



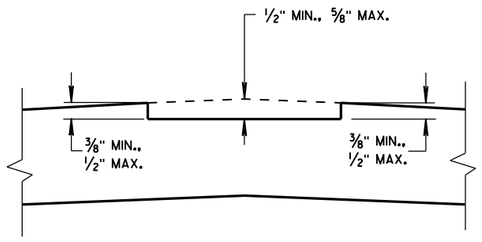
ISOMETRIC



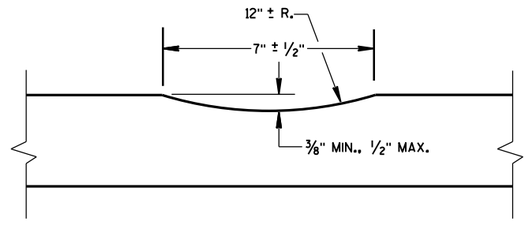
CENTER LINE GROOVES ON TWO-WAY ROADWAYS



SECTION B-B
SUPERELEVATED ROADWAY



SECTION B-B
CROWNED ROADWAY



SECTION A-A

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 A 11-2a

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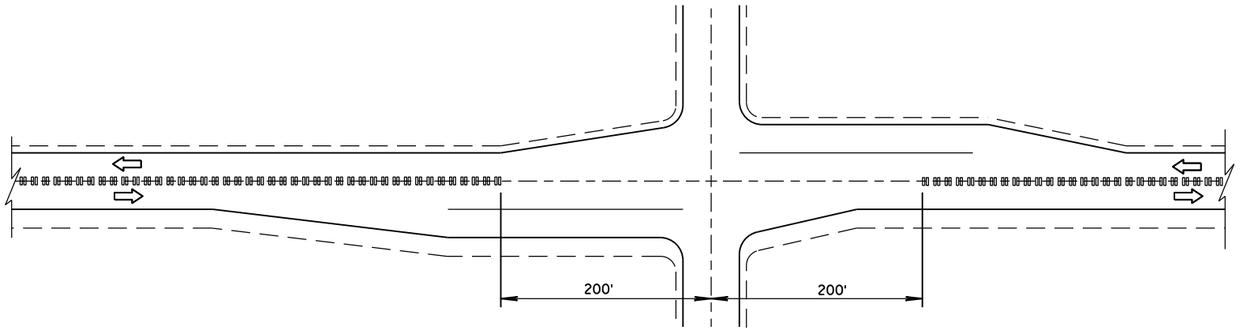
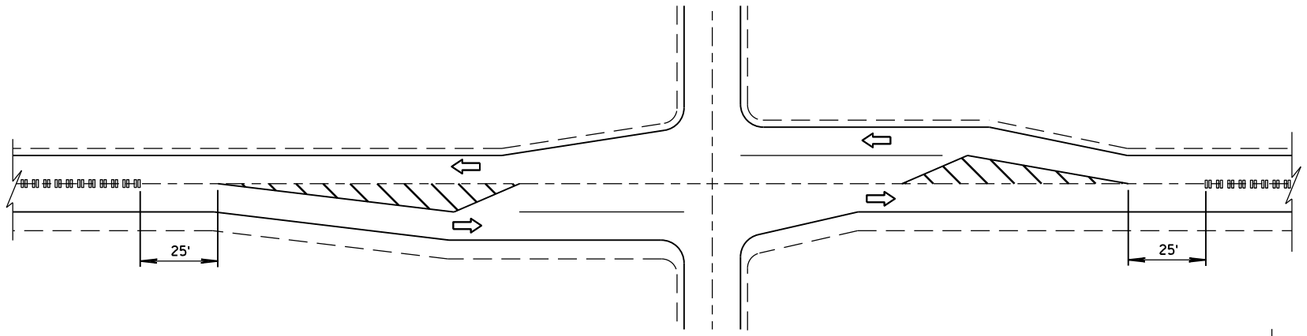
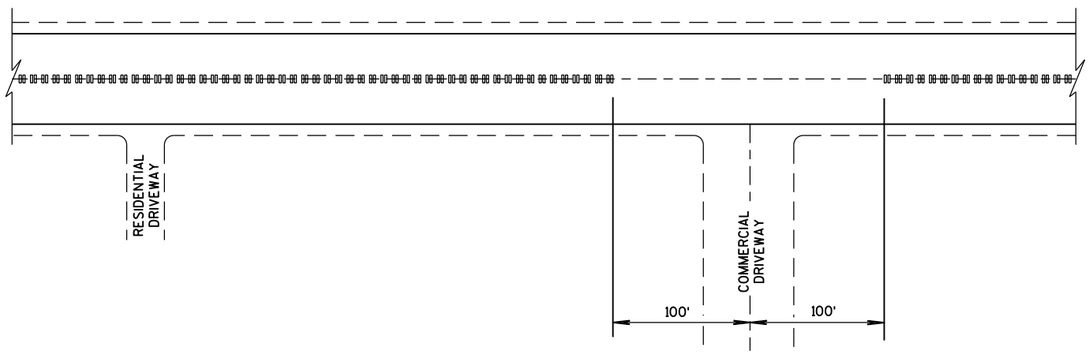
S.D.D. 13 A 11-2a



CENTER LINE GROOVES AT INTERSECTIONS

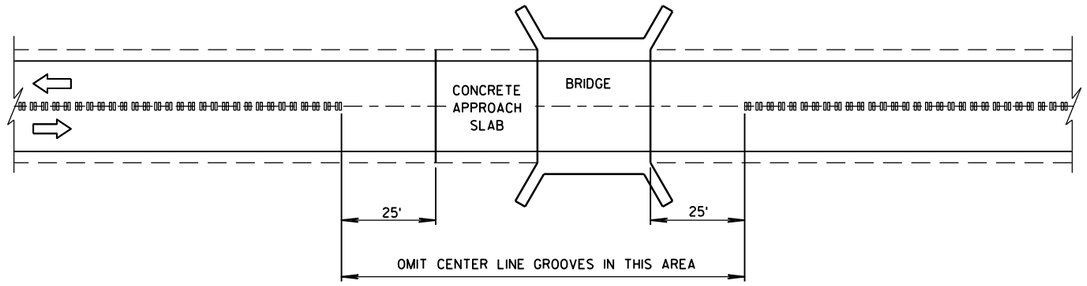


CENTER LINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)

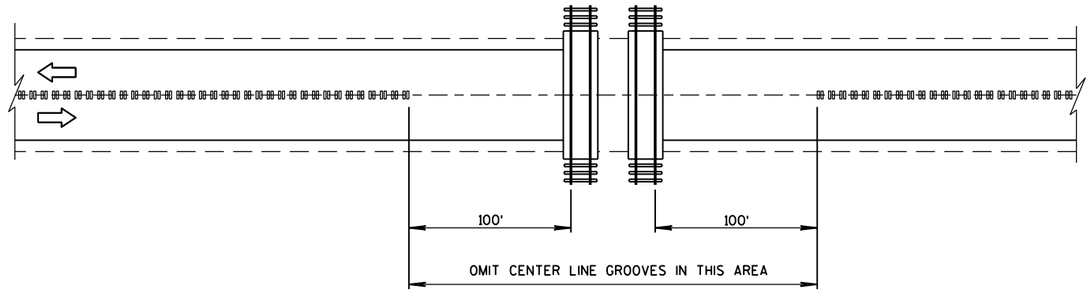


CENTER LINE GROOVES AT DRIVEWAYS (1)

(1) CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS, WHEN DIRECTED BY THE ENGINEER.



CENTER LINE GROOVES AT BRIDGES



CENTER LINE GROOVES AT RAILROADS

6

S.D.D. 13 A 11-2b

6

S.D.D. 13 A 11-2b

2-LANE RURAL
CENTER LINE RUMBLE STRIP, MILLING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

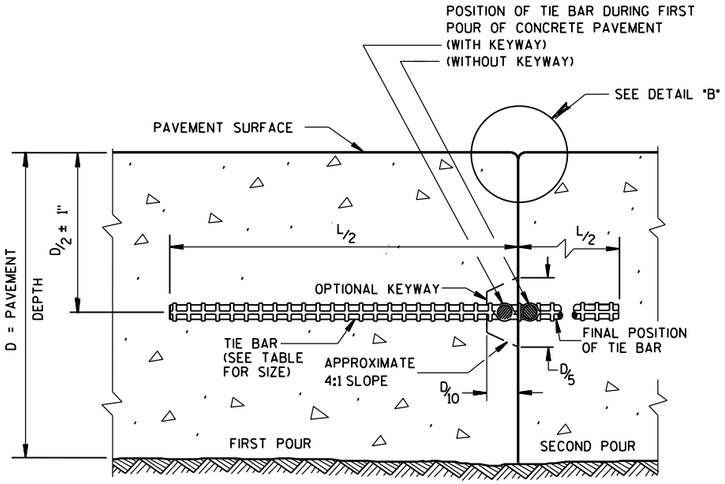
APPROVED

5/15/2013
DATE

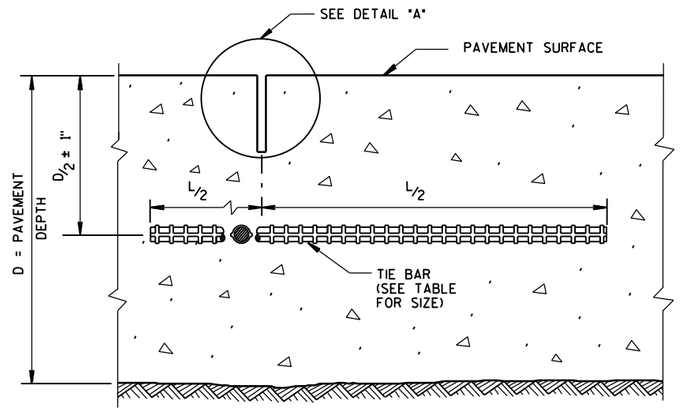
/S/ Jerry H. Zoda
ROADWAY STANDARDS DEVELOPMENT ENGINEER

NT

FHWA



CONSTRUCTION JOINT



SAWED JOINT

GENERAL NOTES

DO NOT SEAL OR FILL LONGITUDINAL JOINTS.

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

PLAN VIEW

SECTION A-A

LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT

DETAIL "A"

DETAIL "B"

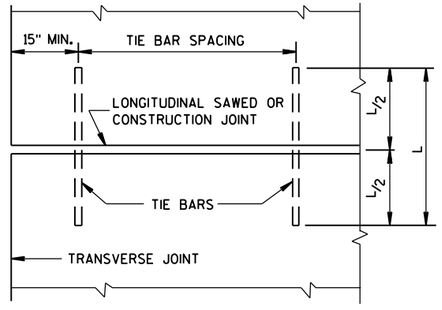
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPER
FHWA

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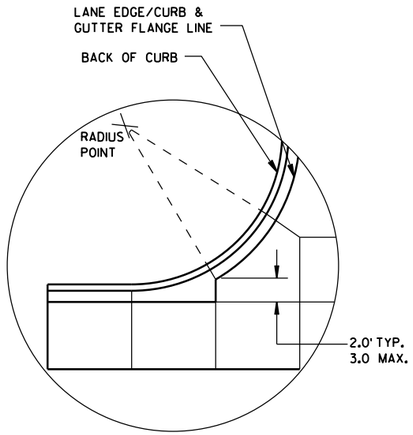
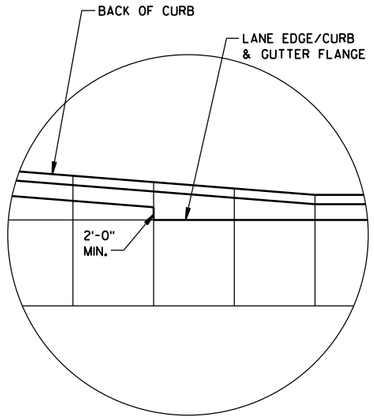
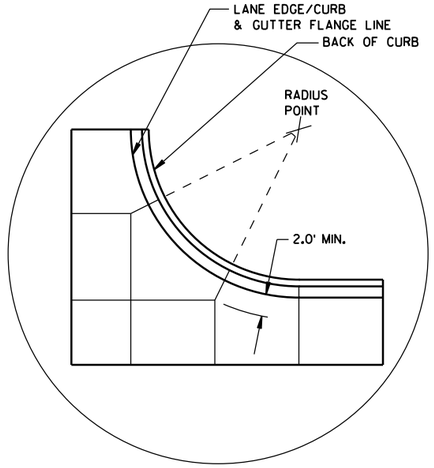
S.D.D. 13 C 1-18



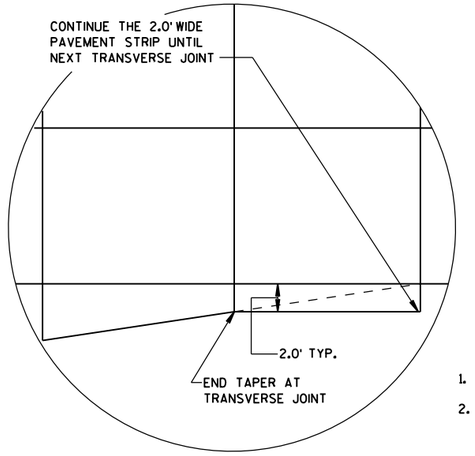
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G. MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

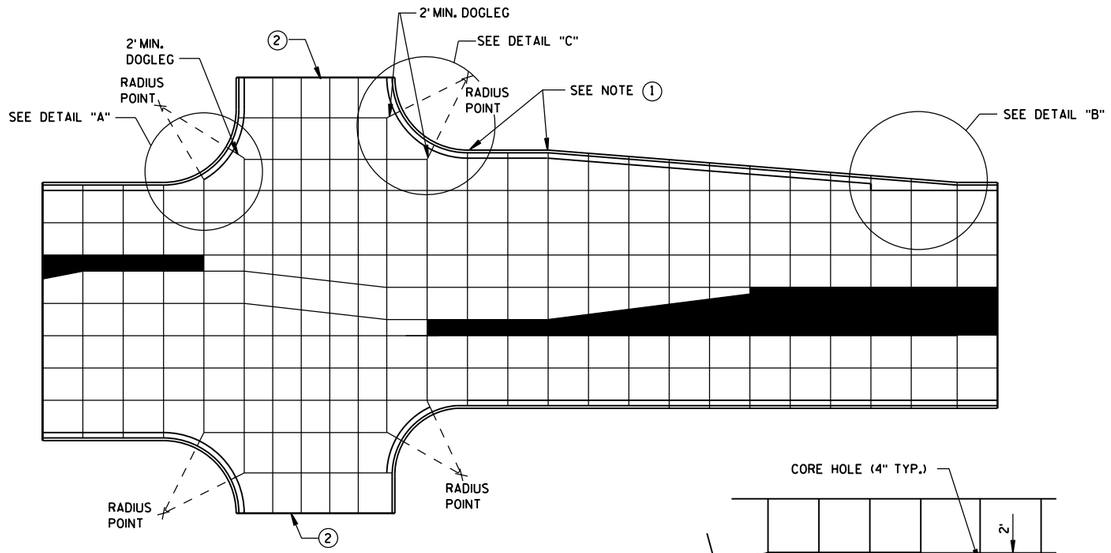
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

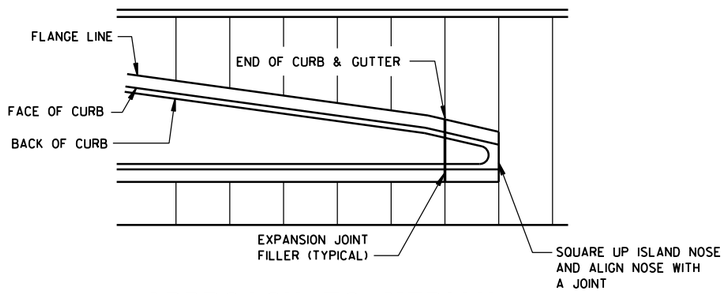
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



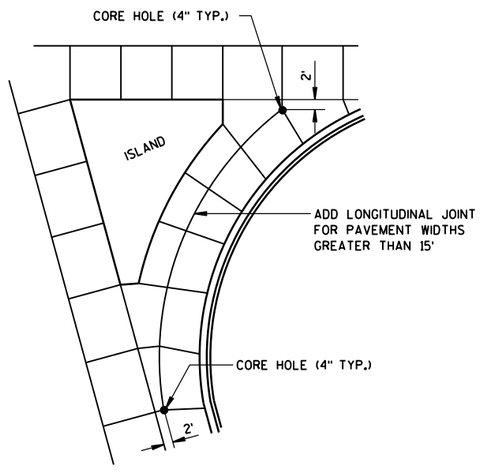
STANDARD INTERSECTION

PAVEMENT DEPTH AND JOINT SPACING TABLE

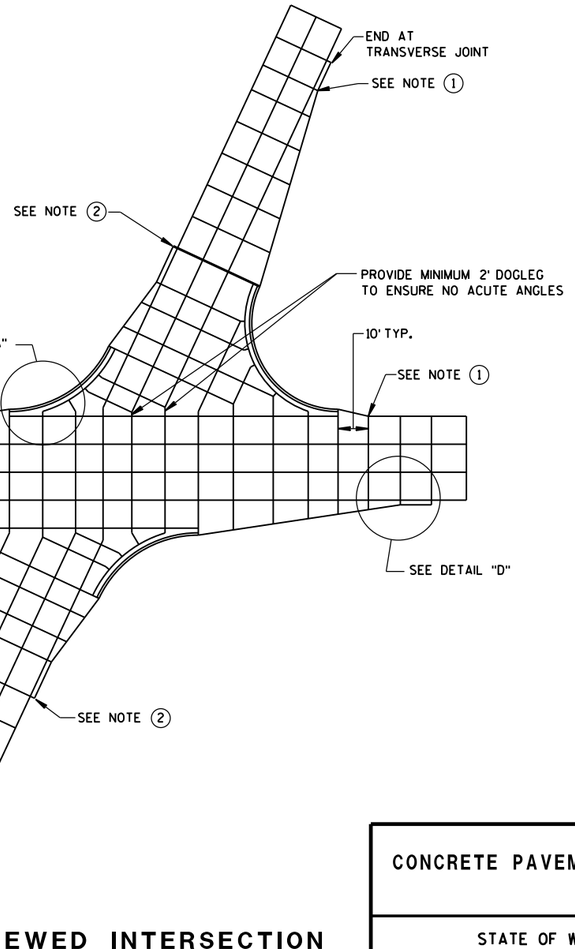
PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6½"	12'
7", 7½"	14'
8" & ABOVE	15'



APPROACH TO MEDIAN



LARGE RIGHT TURN



SKEWED INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

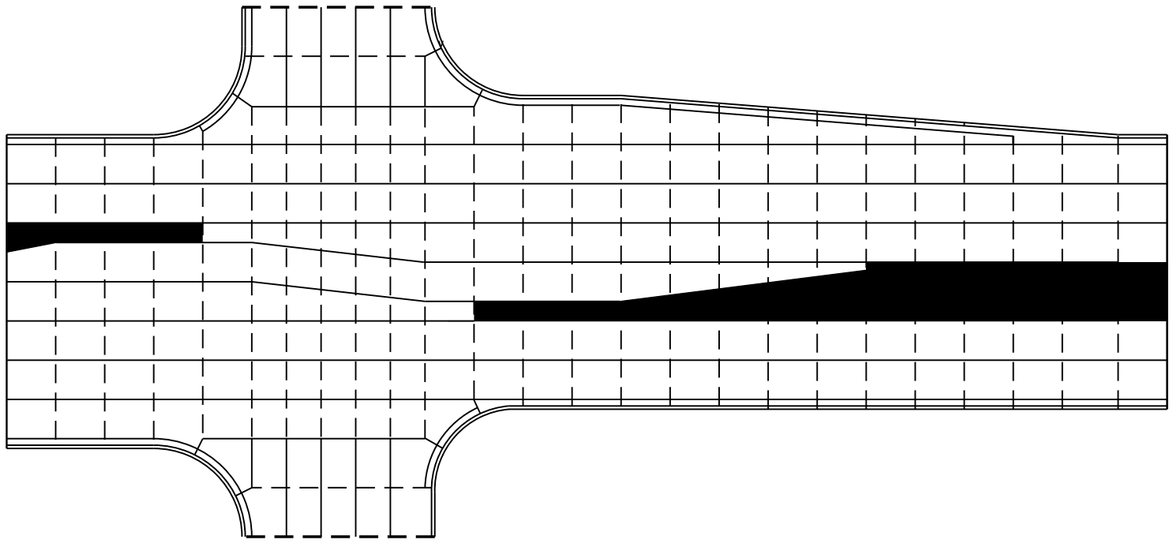
6
S.D.D. 13 C 18-3a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

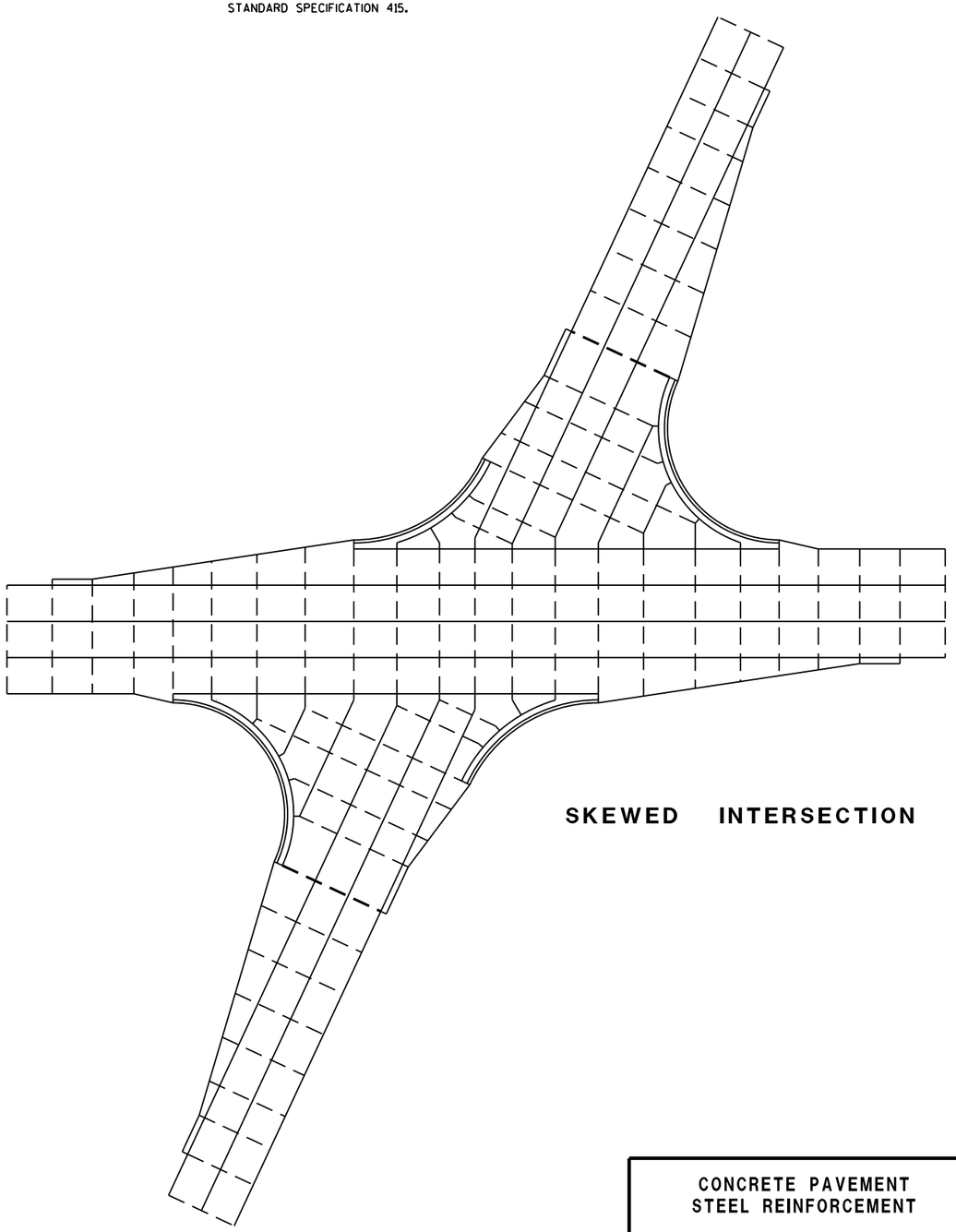
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

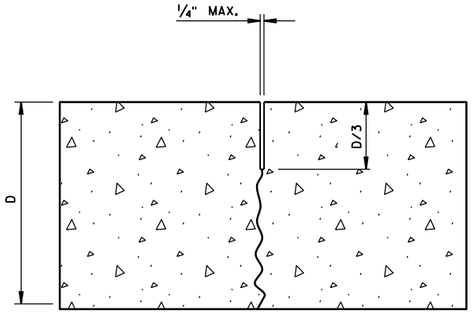
S.D.D. 13 C 18-3b

CONCRETE PAVEMENT
STEEL REINFORCEMENT

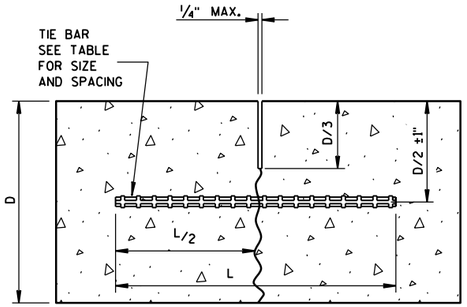
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 13 C 18-3b



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

TIE BAR TABLE

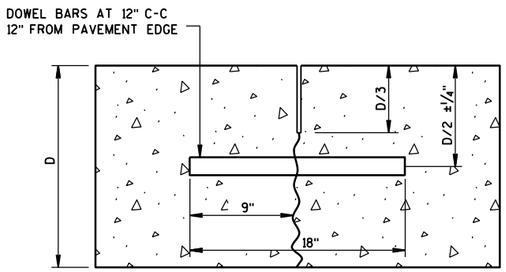
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

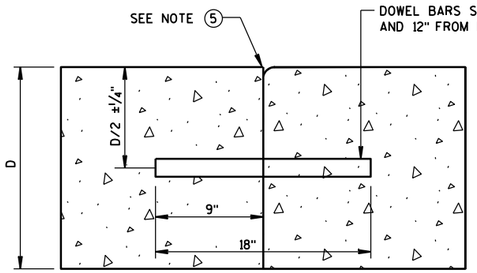
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



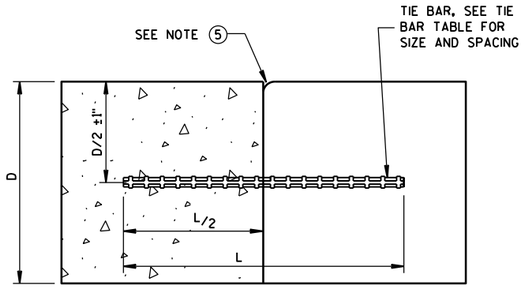
DOWELED-TRANSVERSE

CONTRACTION JOINTS

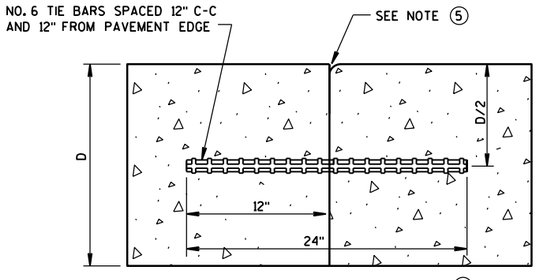
SEE NOTE (2)



DOWELED TRANSVERSE (3)

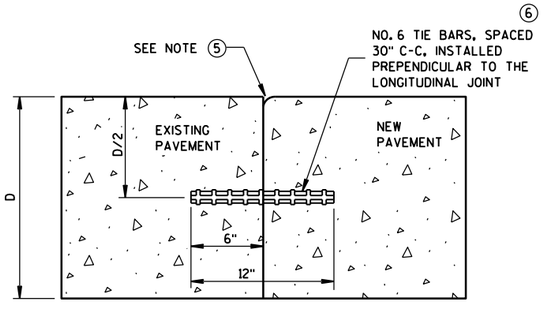


TIED LONGITUDINAL



TIED TRANSVERSE (3)

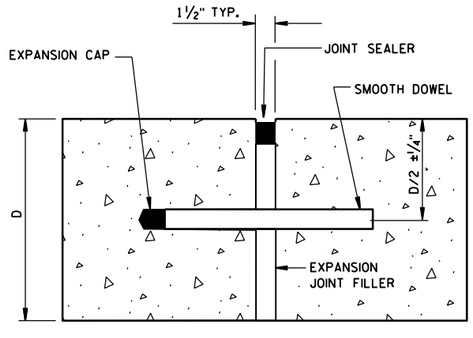
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

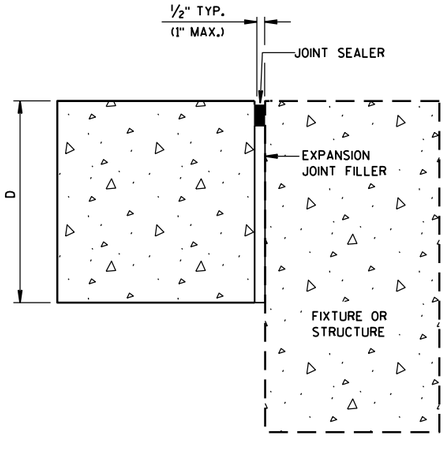
CONSTRUCTION JOINTS

SEE NOTE (4)



DOWELED-TRANSVERSE

SEE NOTE (1)



UNTIED-LONGITUDINAL

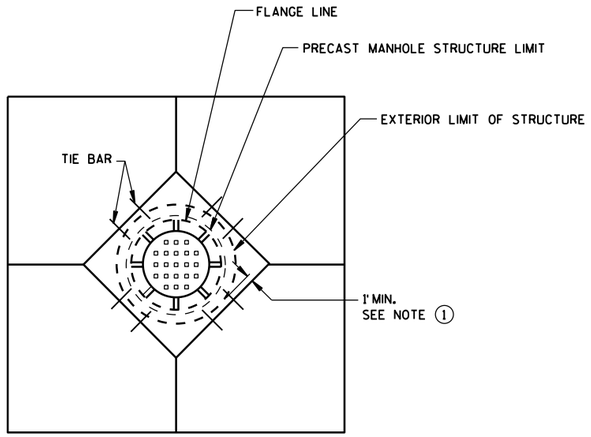
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

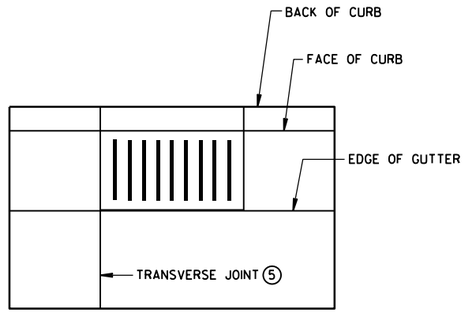
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

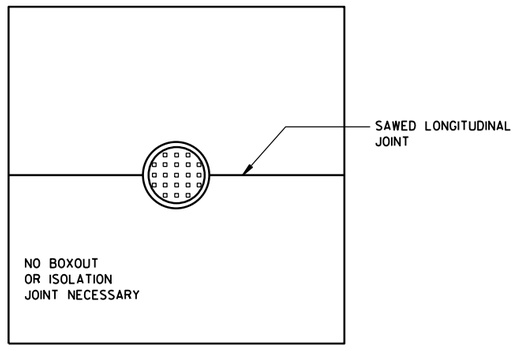
S.D.D. 13 C 18-3c



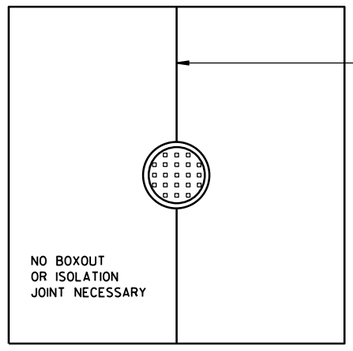
DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS



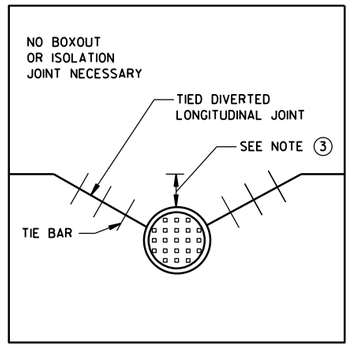
INLET WITH TRANSVERSE JOINT



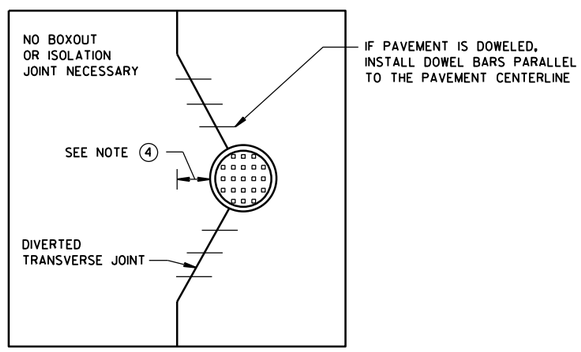
MANHOLE WITH LONGITUDINAL JOINT



MANHOLE WITH TRANSVERSE JOINT



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT

GENERAL NOTES

(1) USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1-FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.

(2) ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.

(3) IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDIAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(4) IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REBAR REINFORCEMENT AROUND THE MANHOLE.

(5) ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

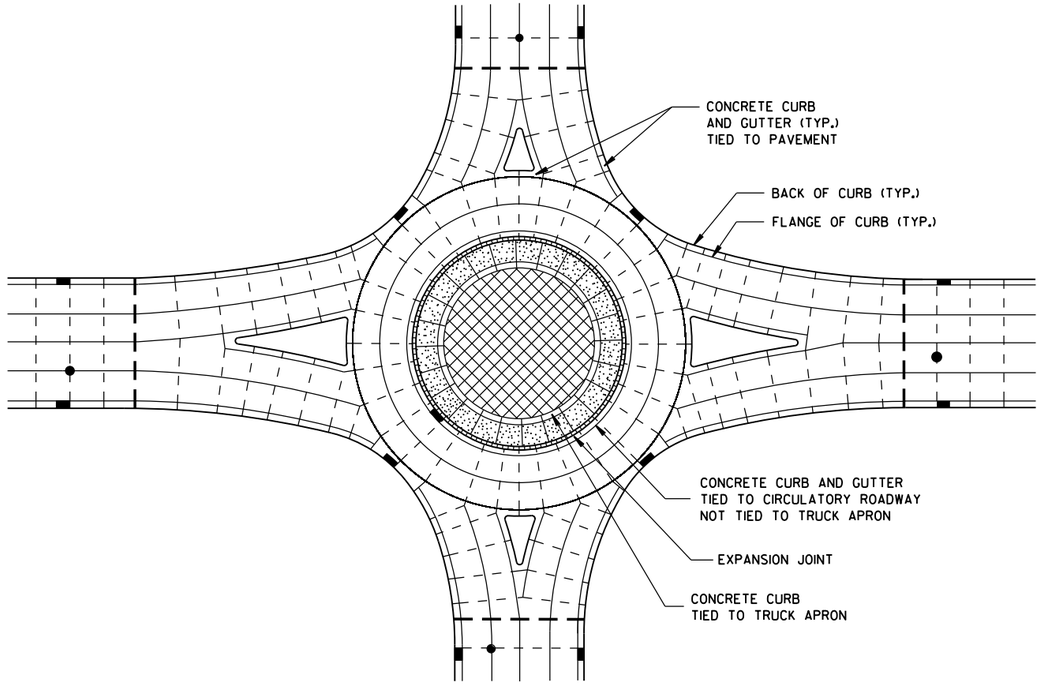
APPROVED
June, 2015
DATE
/S/ Peter Kemp, P.E.
PAVEMENT SUPER
FHWA

6

S.D.D. 13 C 18-3d

LEGEND

- DOWELED JOINT
- TIED JOINT
- EXPANSION JOINT
- POTENTIAL DOWELED EXPANSION JOINT
- TRUCK APRON
- CENTRAL ISLAND
- UTILITY STRUCTURES



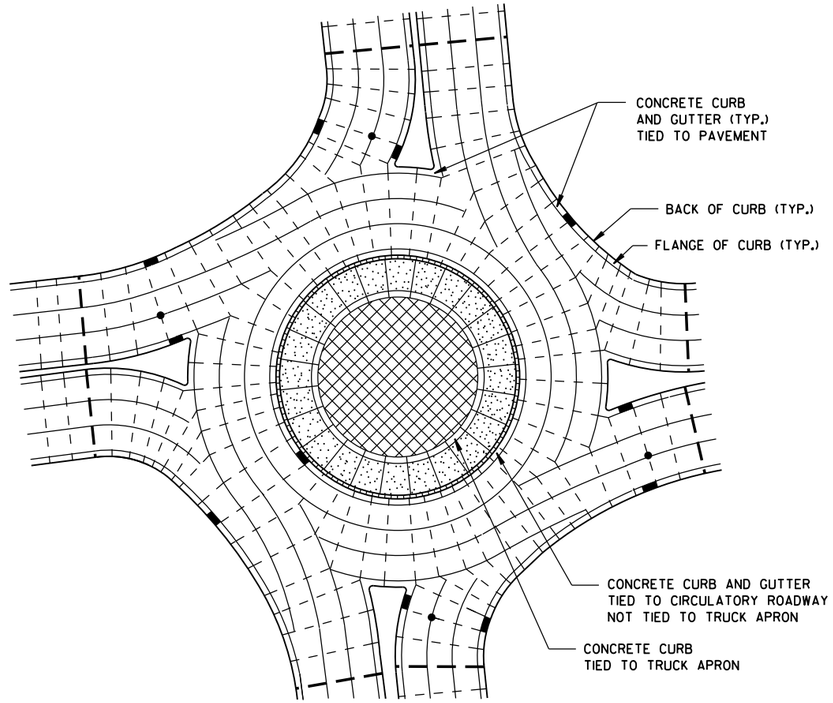
ISOLATED CIRCLE JOINT LAYOUT FOR ROUNDABOUTS

GENERAL NOTES

MAXIMUM JOINT SPACING IS IN ACCORDANCE WITH THE TABLE SHOWN ON SDD 13C18 SHEET "a".

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

DO NOT DOWEL OR TIE THE TRUCK APRON TRANSVERSE JOINTS.

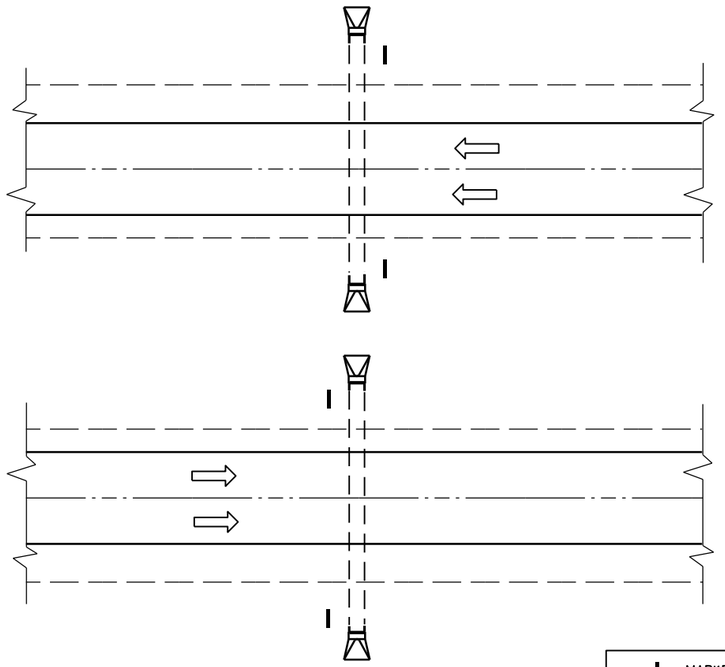


PINWHEEL JOINT LAYOUT FOR ROUNDABOUTS

CONCRETE PAVEMENT JOINTING AND STEEL REINFORCEMENT IN ROUNDABOUTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
June, 2015 DATE	/S/ Peter Kemp, P.E. PAVEMENT SUPE
FHWA	

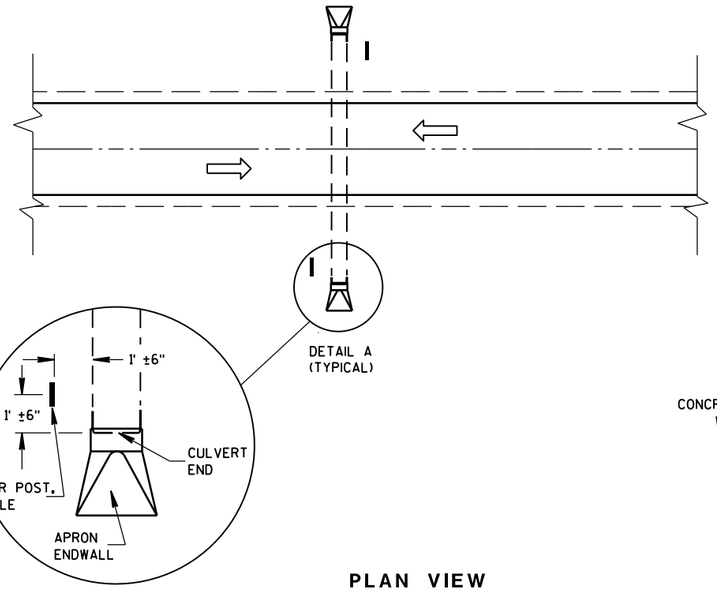
6

S.D.D. 13 C 18-3e



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

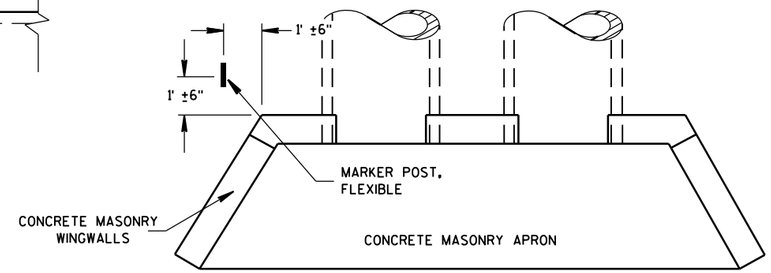
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

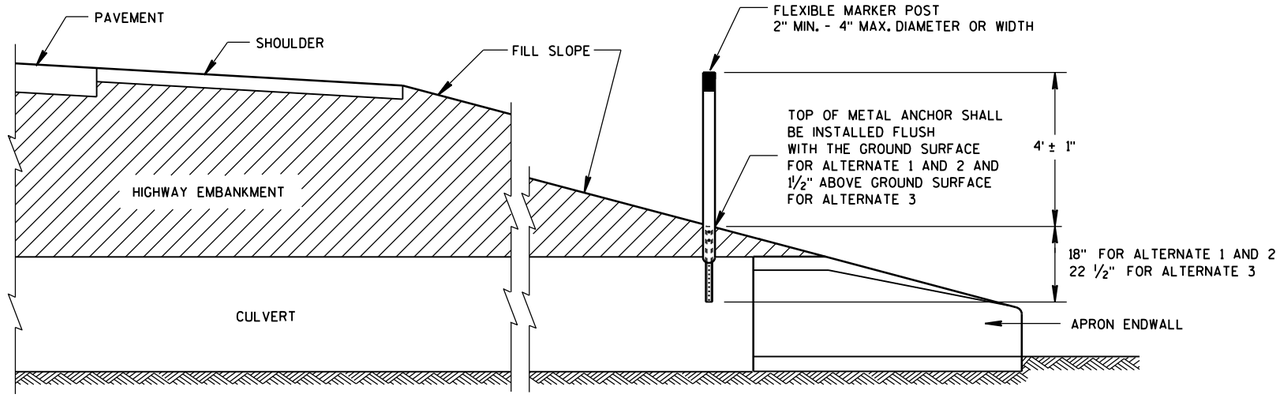
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

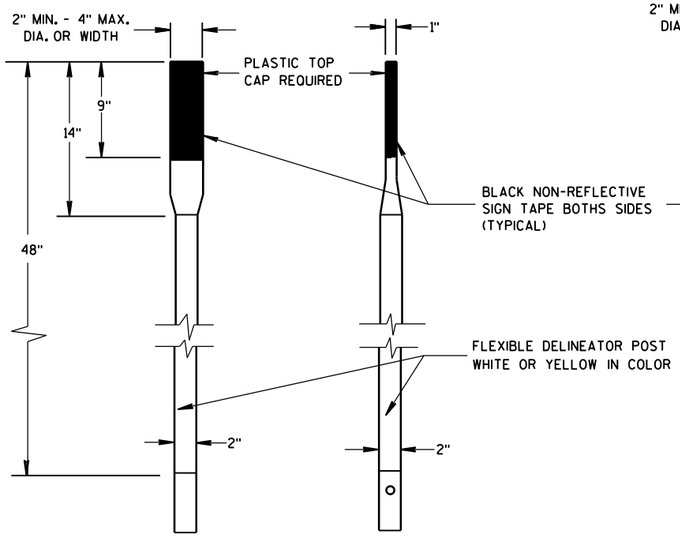
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

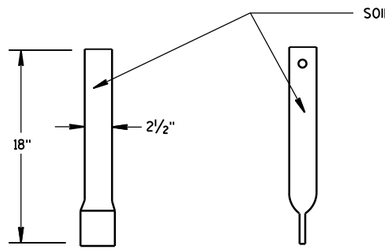
6

S.D.D. 15 A 3-2a

6

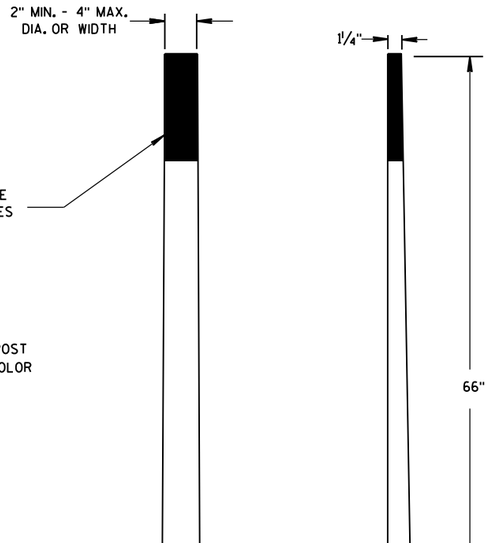
S.D.D. 15 A 3-2a





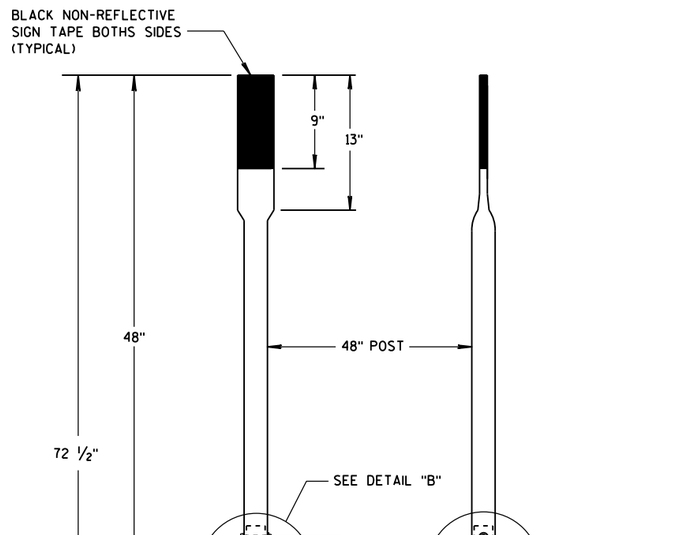
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

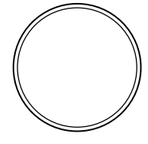
ALTERNATE 2



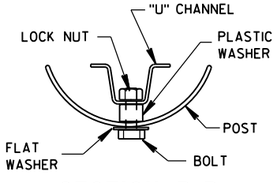
FRONT VIEW SIDE VIEW

ALTERNATE 3

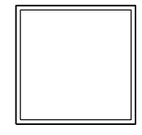
FLEXIBLE MARKER POSTS



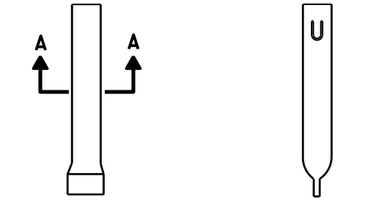
SECTION A-A



SECTION B-B

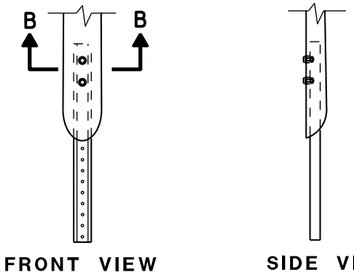


SECTION C-C



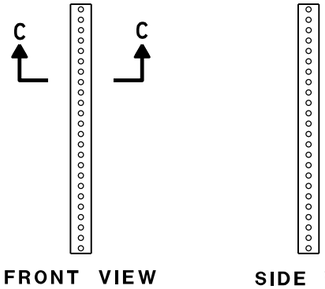
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

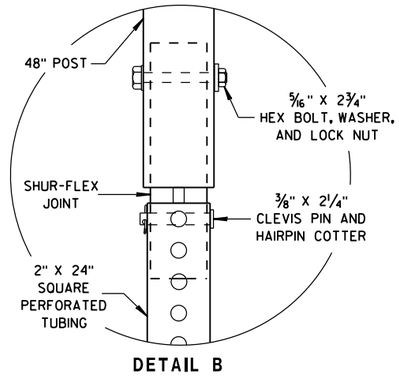
ALTERNATE 2



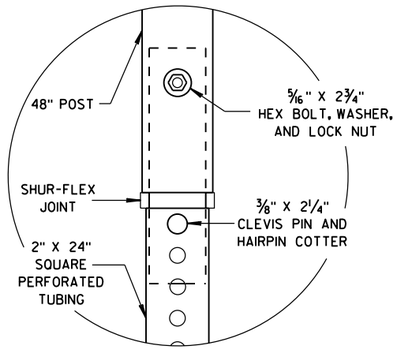
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

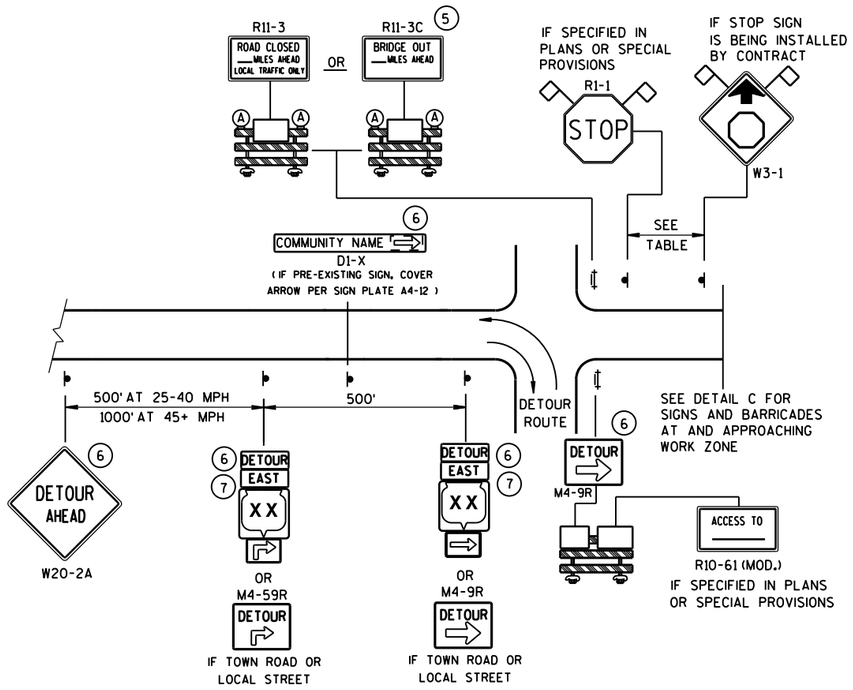
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

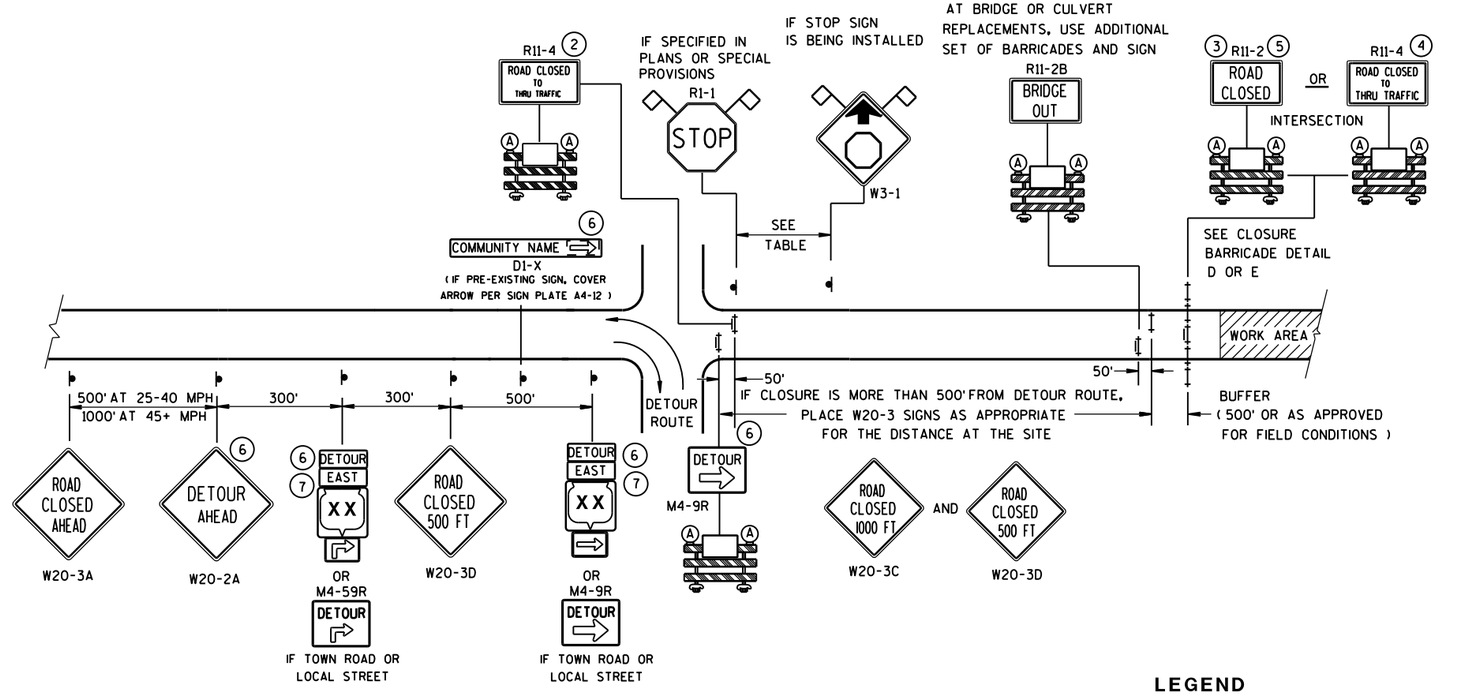
6

S.D.D. 15 A 3-2b



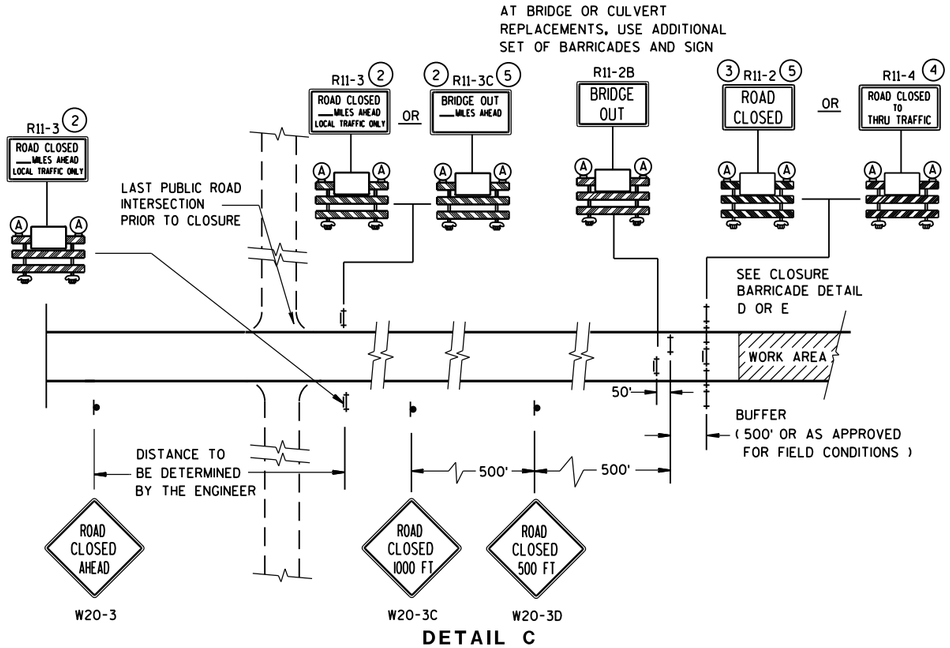
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

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
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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S.D.D. 15 C 2-6a

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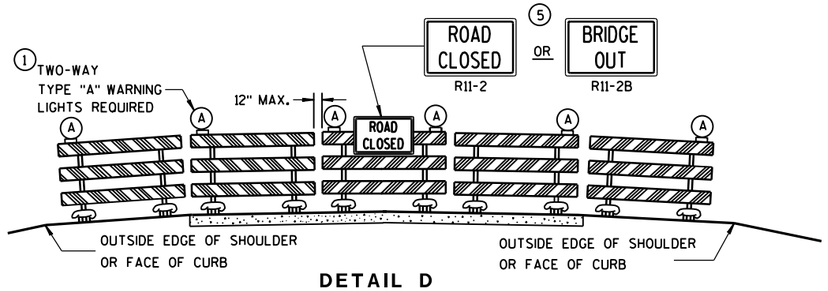
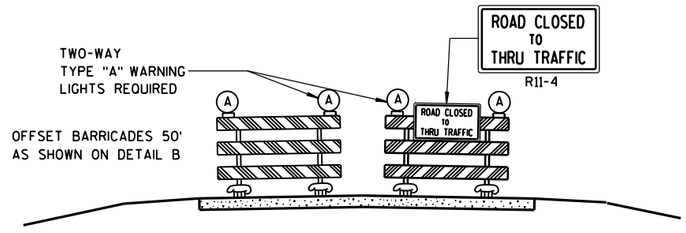
S.D.D. 15 C 2-6a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-SHEET "**a**" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

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

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC

FHWA

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S.D.D. 15 C 2-6b

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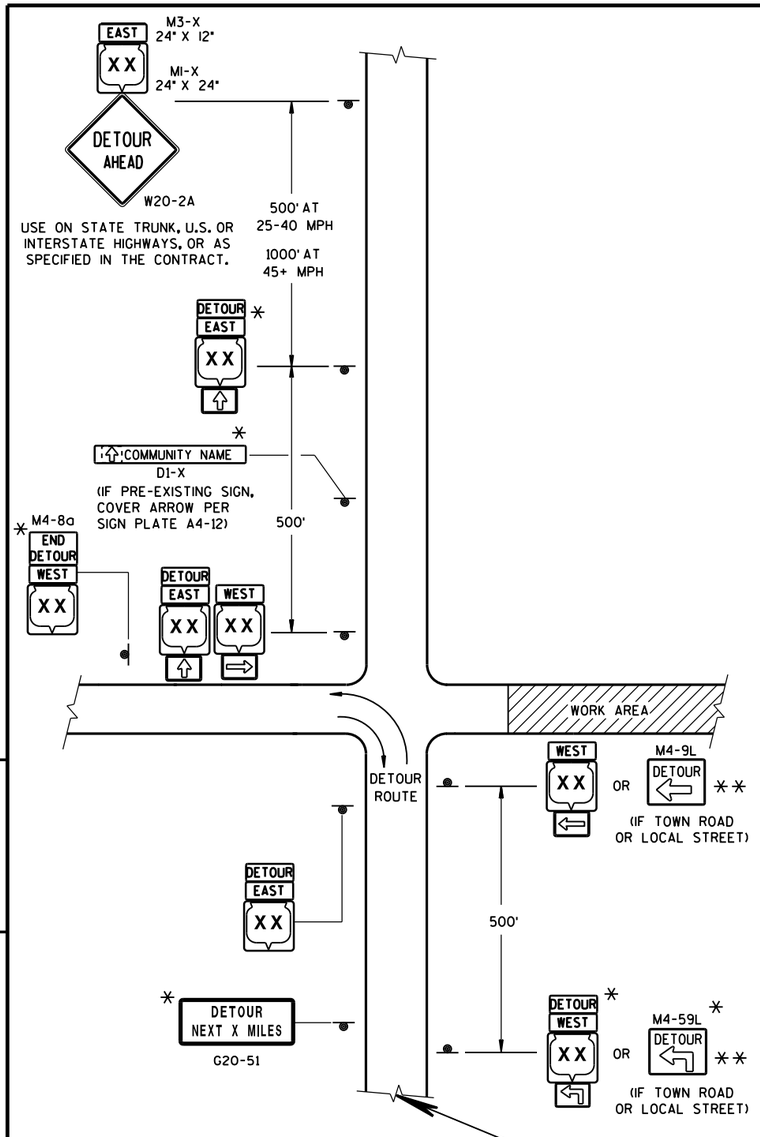
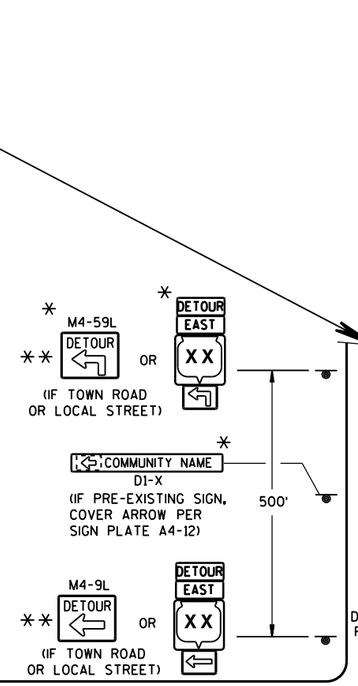
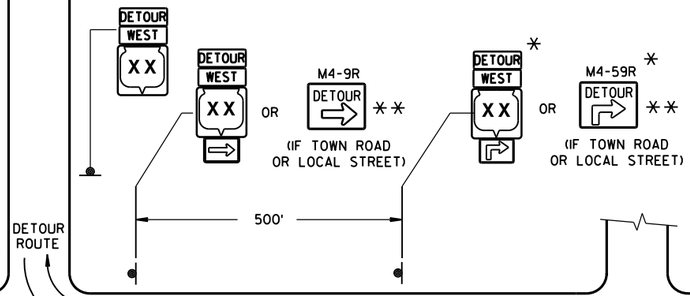
S.D.D. 15 C 2-6b

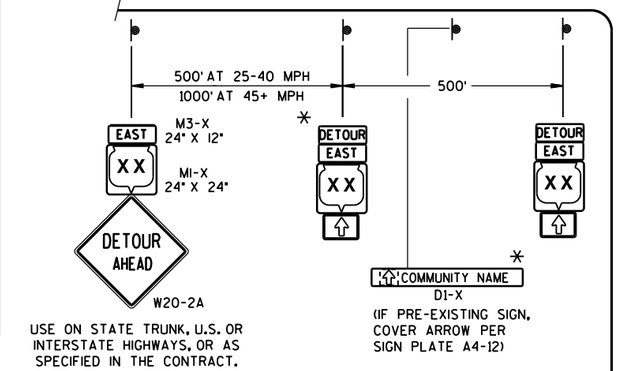
THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

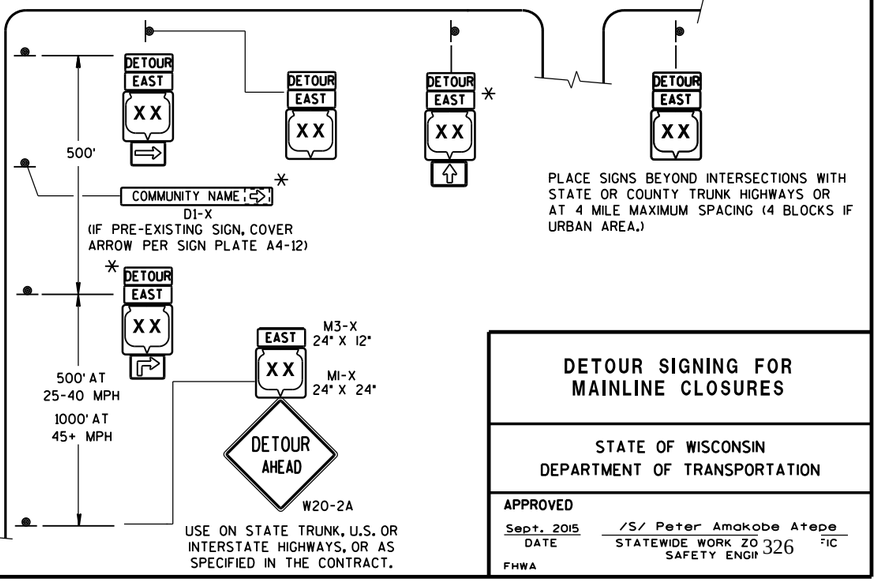


MATCH POINT









GENERAL NOTES

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

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

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

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

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

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

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- M4-9 SHALL BE 30" X 24".
- M4-8a SHALL BE 24" X 18".
- G20-51 SHALL BE 60" X 24".
- W20-2 SHALL BE 48" X 48".
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR EAST — M4-8 / M3-X
- XX OR COUNTY XX OR XX — M1-4 / M1-5A / M1-6
- MO5-1 OR MO6-1 OR MO6-1

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD 15C2-SHEET "a"

DETAIL F

DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO[illegible] FIC
SAFETY ENGI[illegible]

FHWA

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S.D.D. 15 C 2-6c

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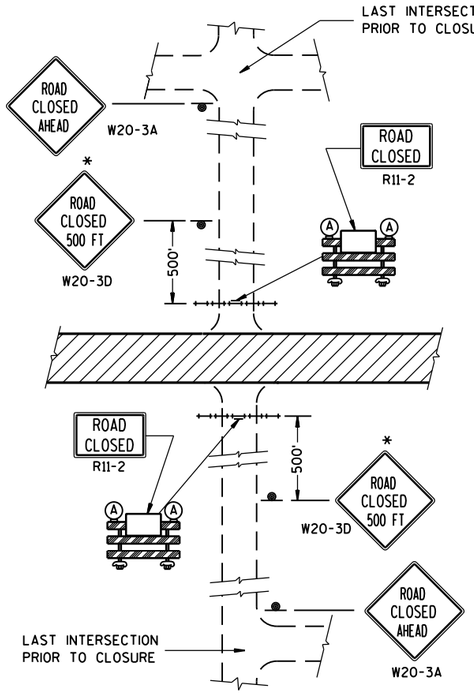
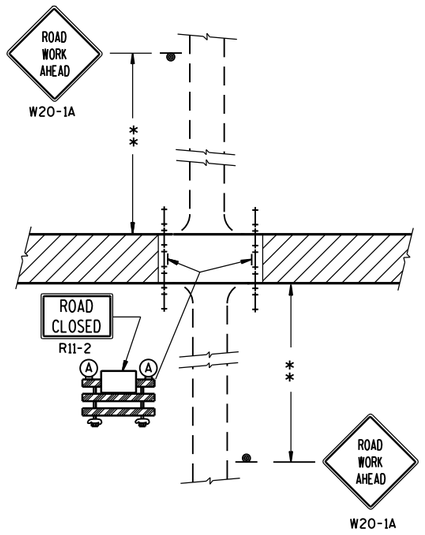


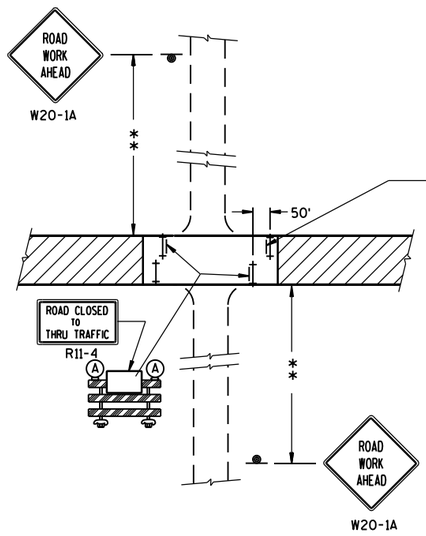
DETAIL 1

(NO ACCESS TO PROJECT)



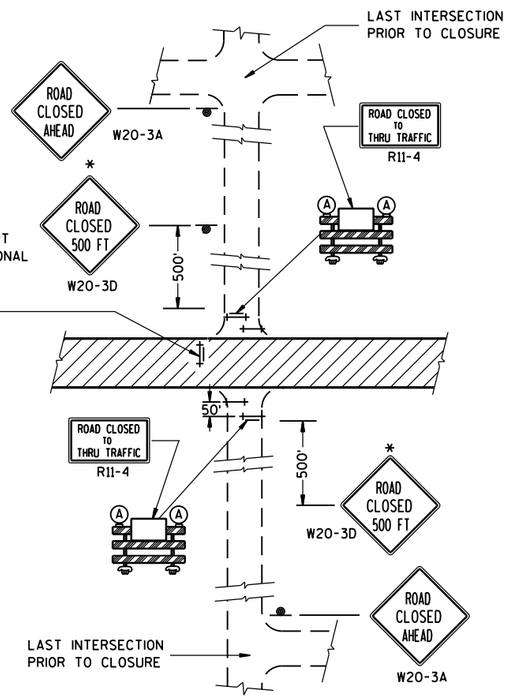
DETAIL 2

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



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

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

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO... SAFETY ENGI... — FHWA

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S.D.D. 15 C 3-3

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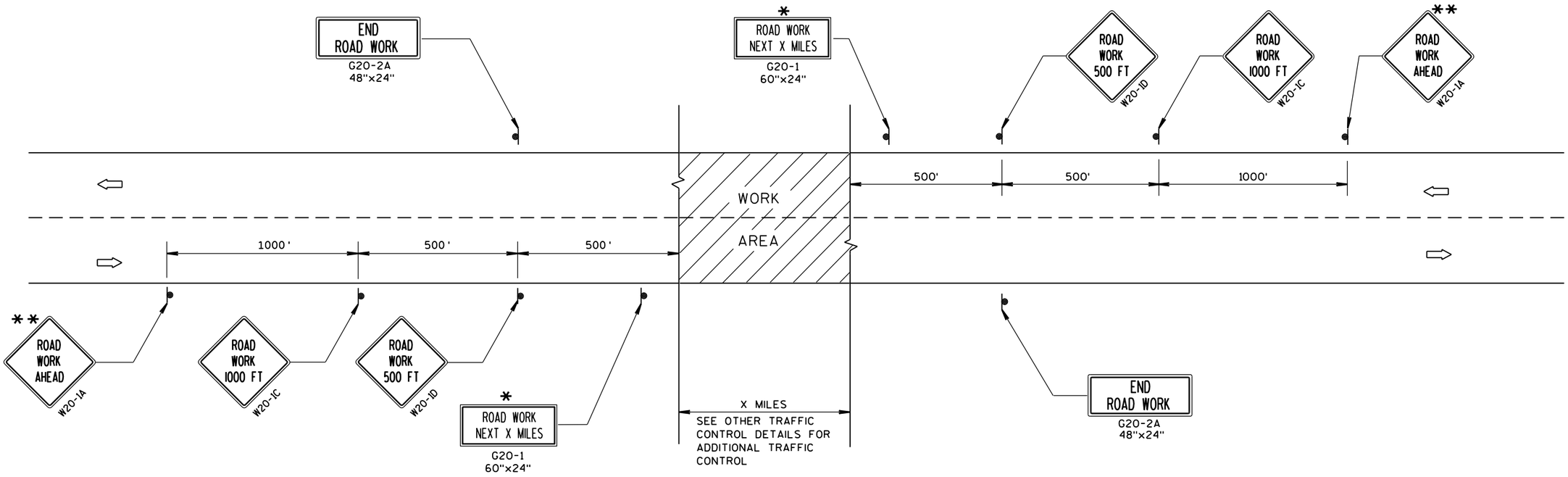
S.D.D. 15 C 3-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

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

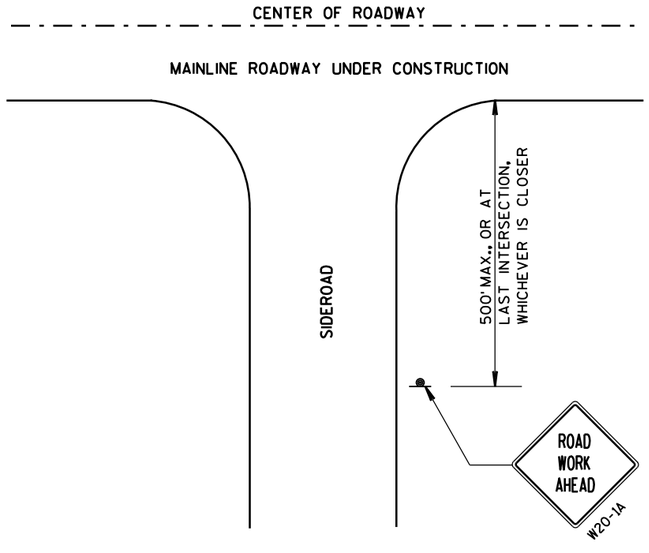
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

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

* OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

** PLACE ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2015	/S/ Peter Amakobe Atepe
DATE	STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

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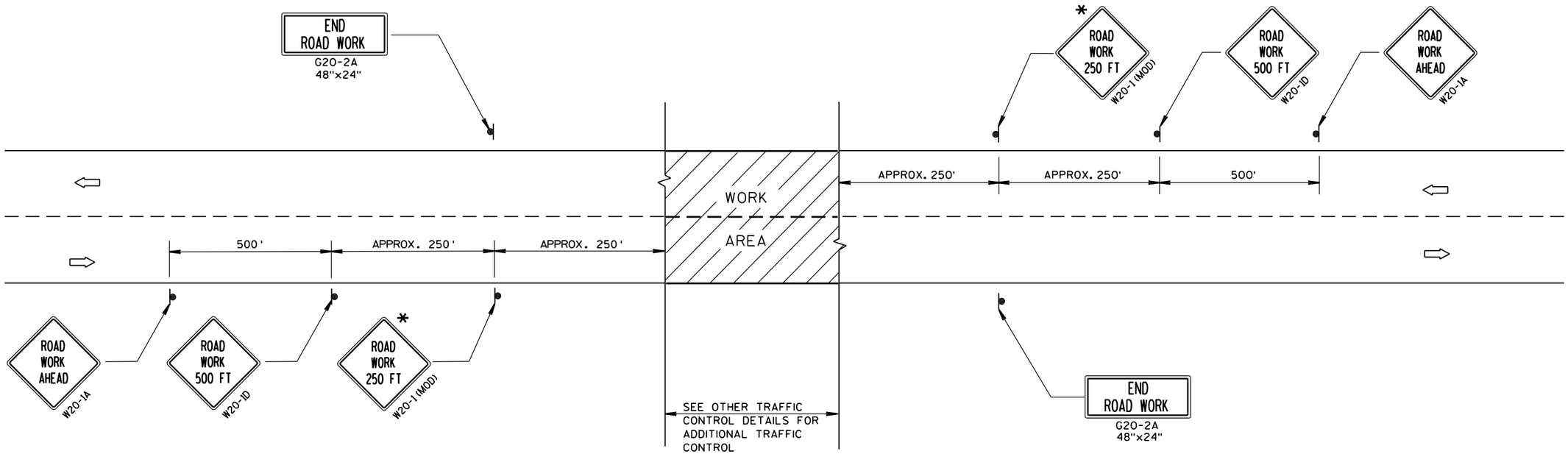
S.D.D. 15 C 4-3

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

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

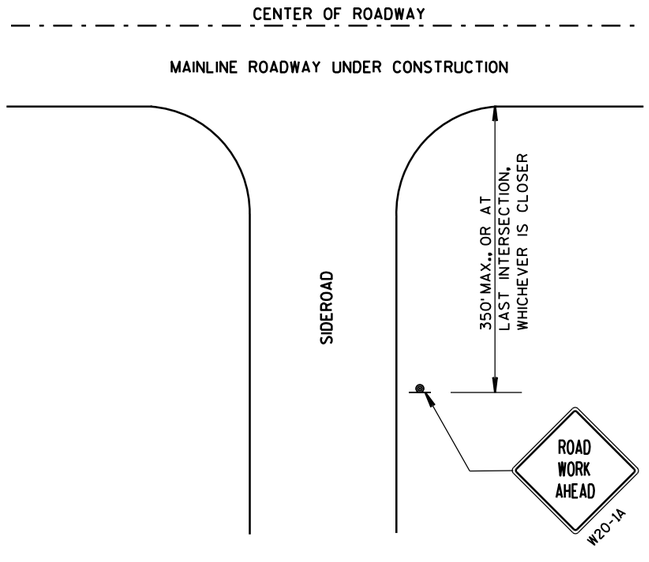
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

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

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

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

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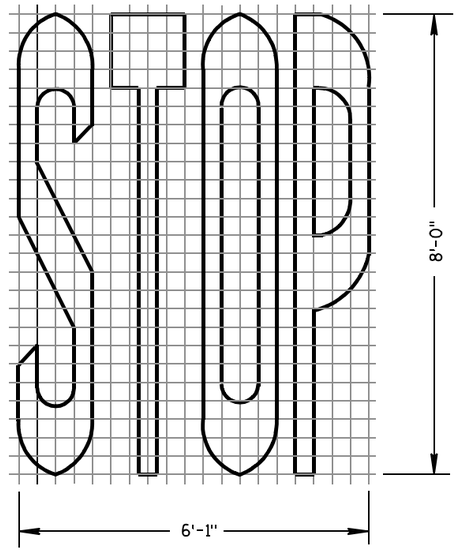
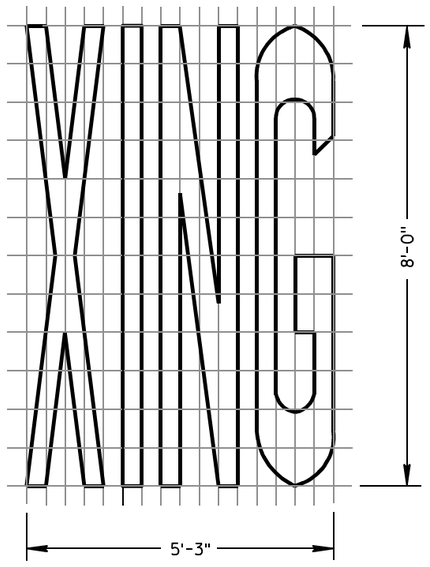
S.D.D. 15 C 5-3

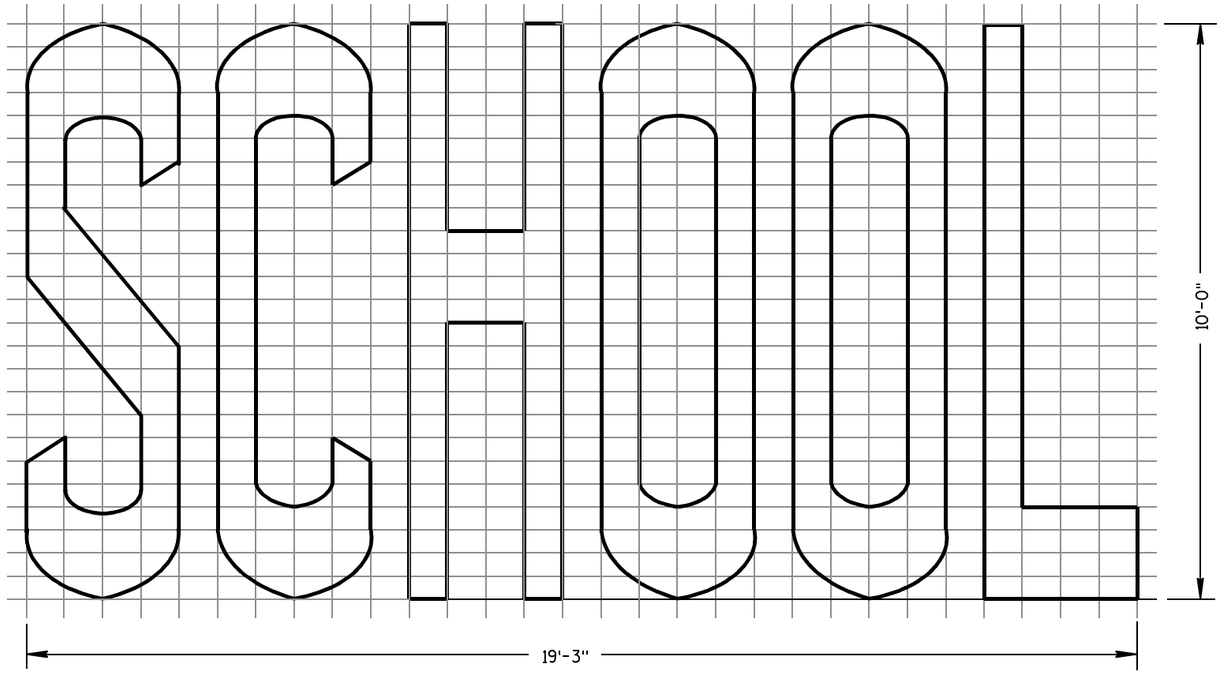
GENERAL NOTES

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.

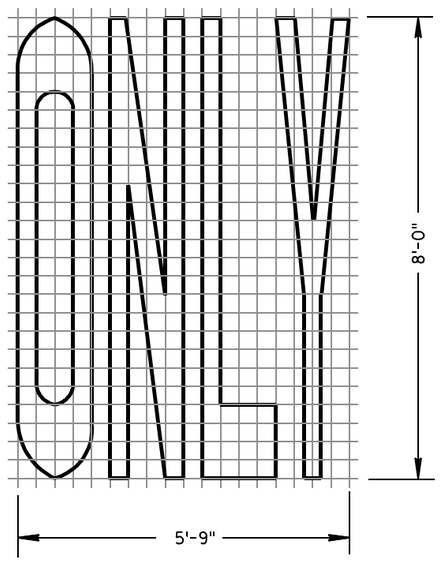
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

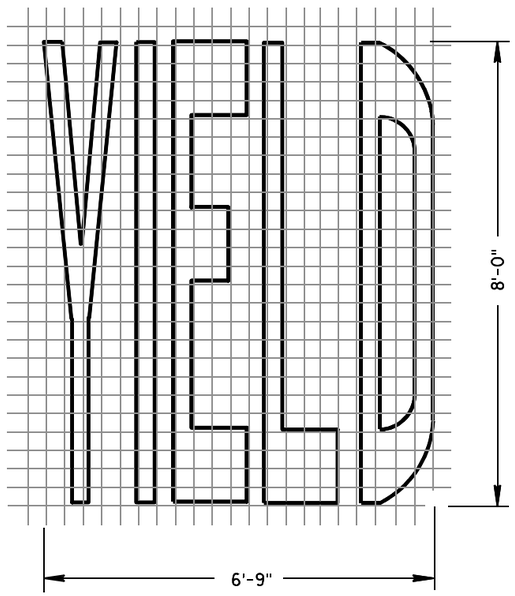


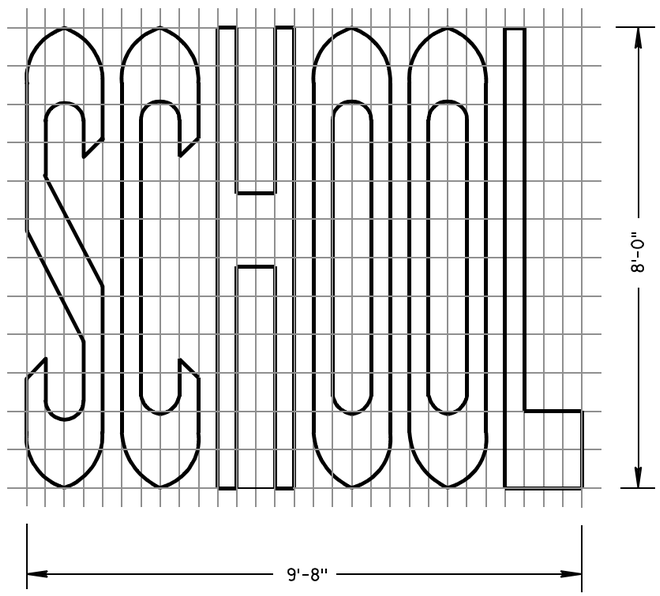




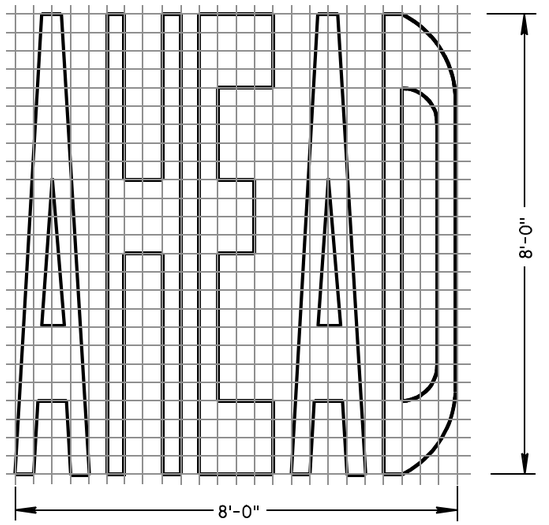
TWO-LANE







SINGLE-LANE



PAVEMENT MARKING WORDS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 7-1-11 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER
FHWA	

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S.D.D. 15 C 7-12b

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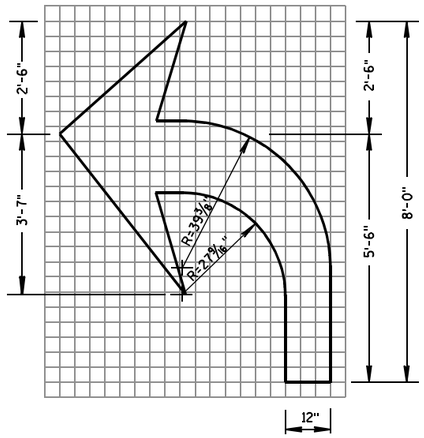
S.D.D. 15 C 7-12b

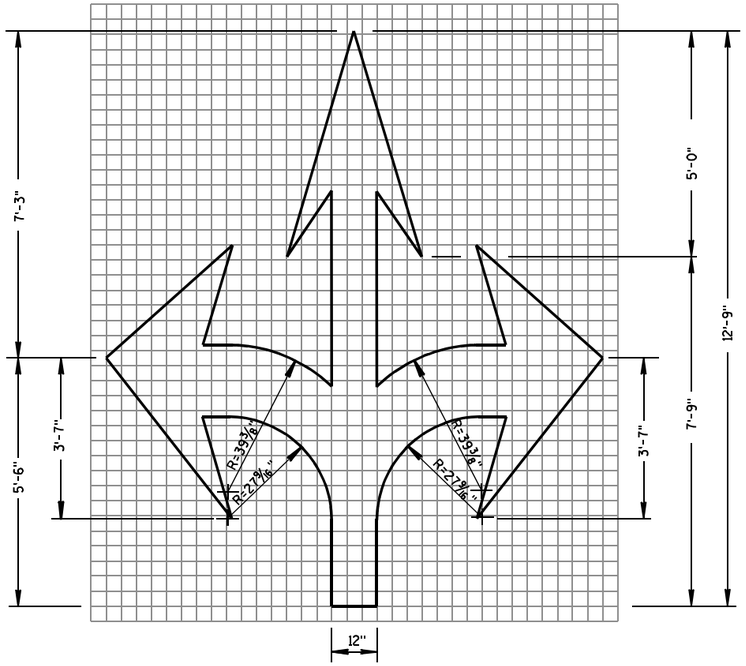
GENERAL NOTES

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.

ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



TYPE 2



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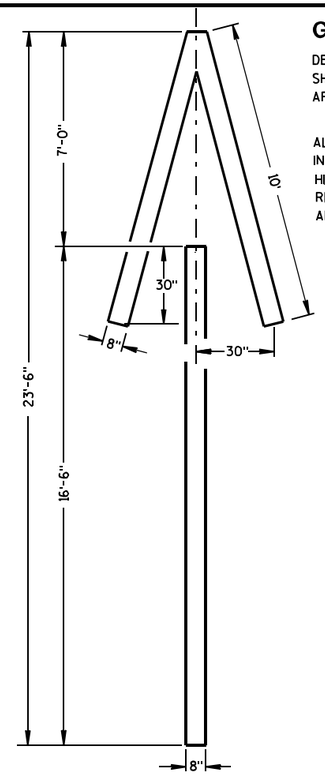

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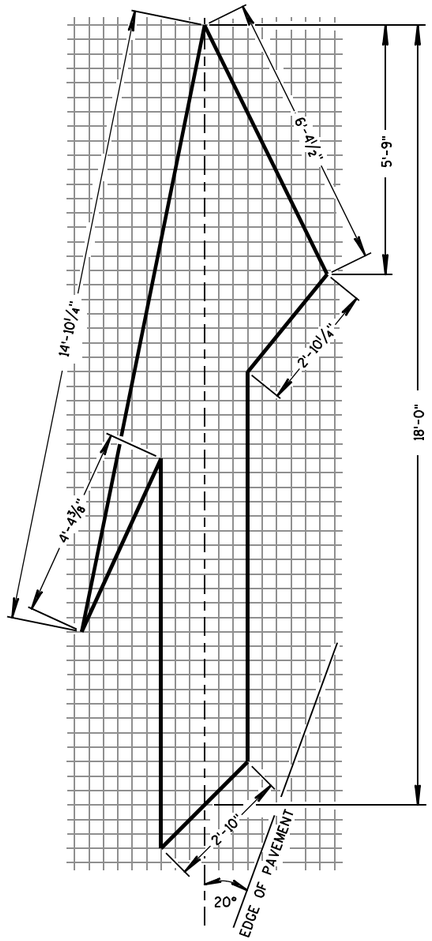
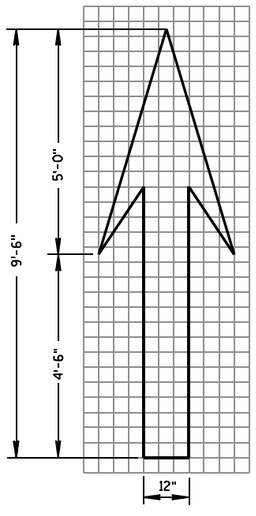


TYPE 5 LANE DROP ARROW



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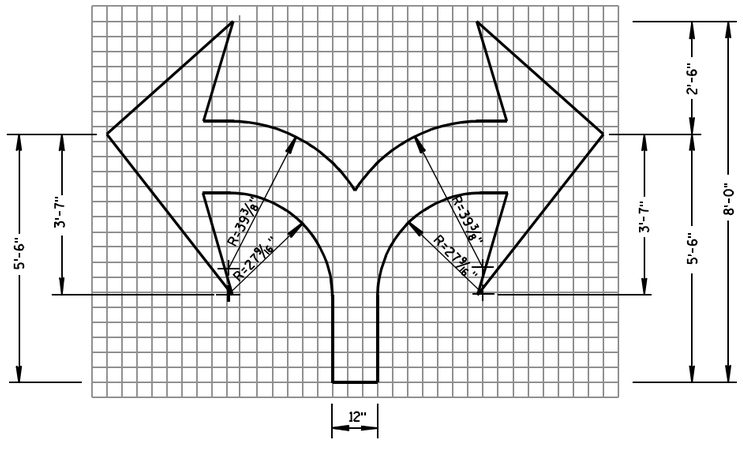

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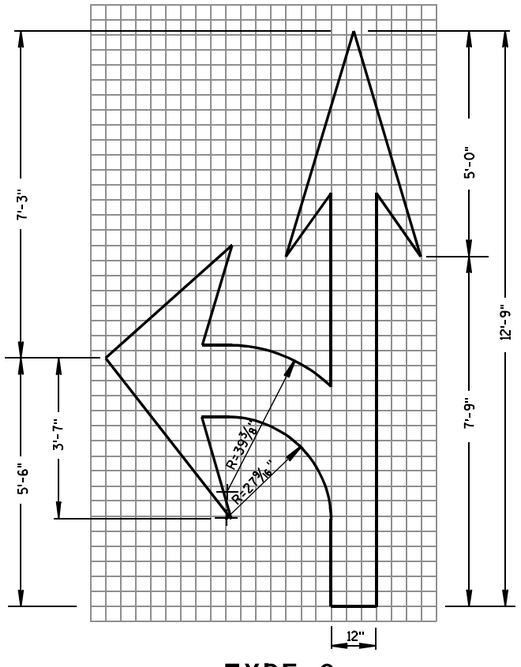


TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

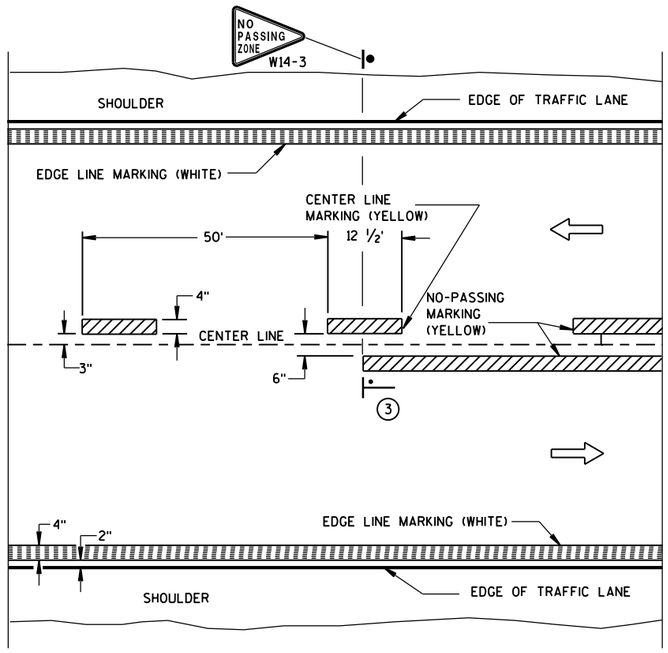
FHWA

6

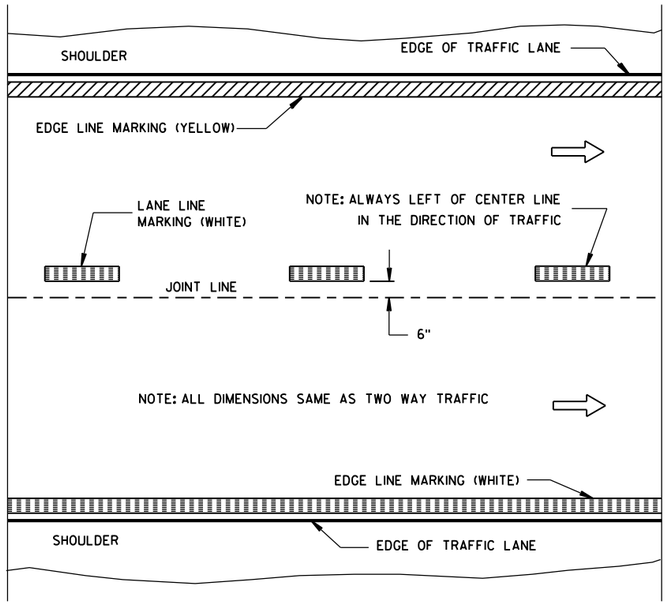
S.D.D. 15 C 7-12c

6

S.D.D. 15 C 7-12c

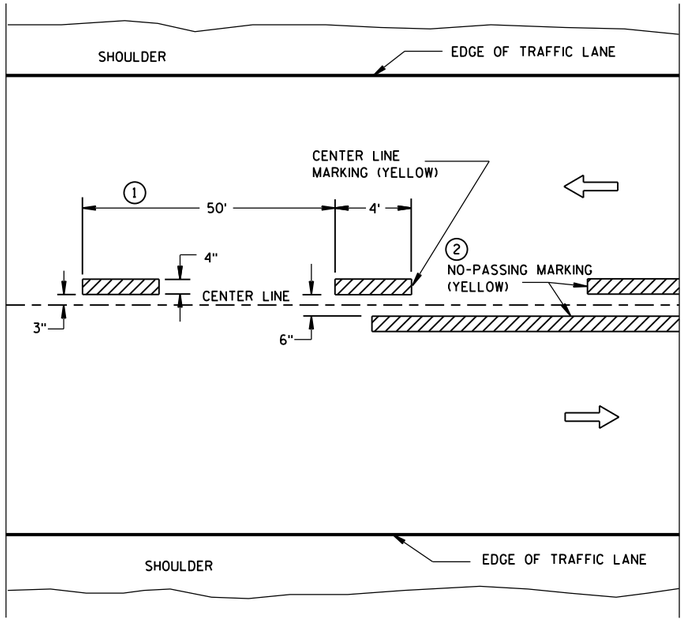


TWO WAY TRAFFIC

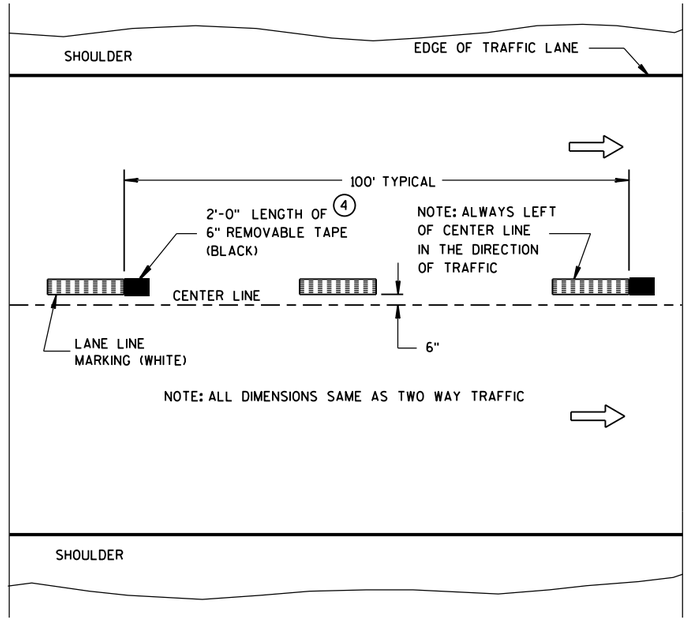


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

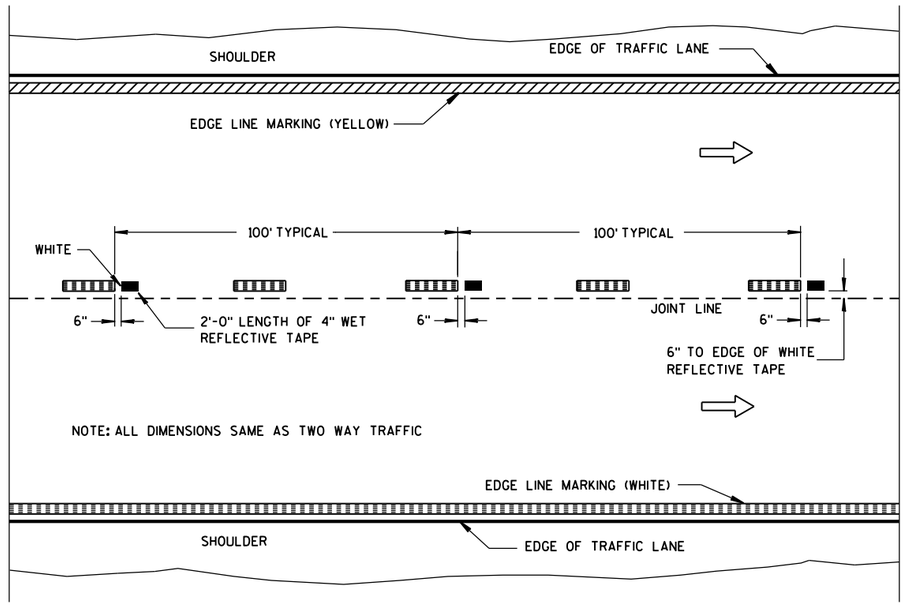
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

6

S.D.D. 15 C 8-16a

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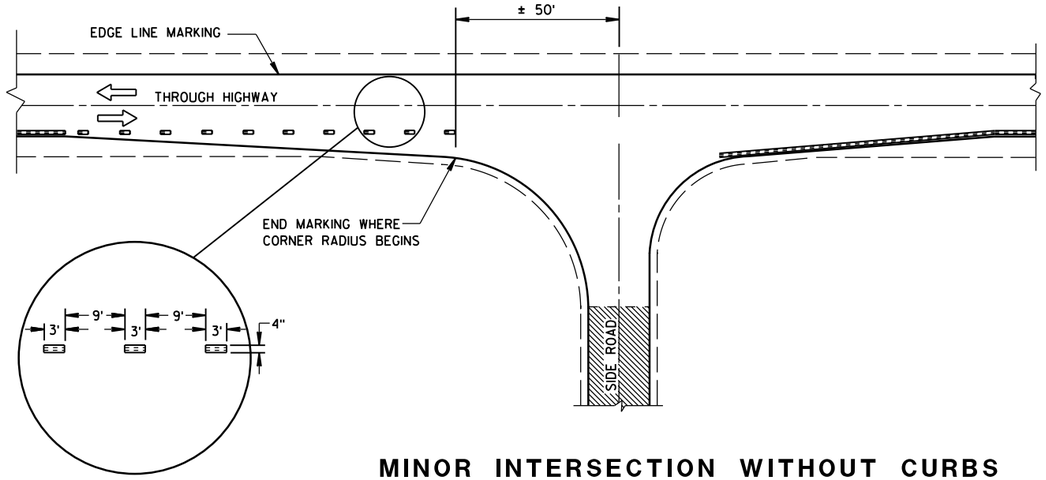
S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

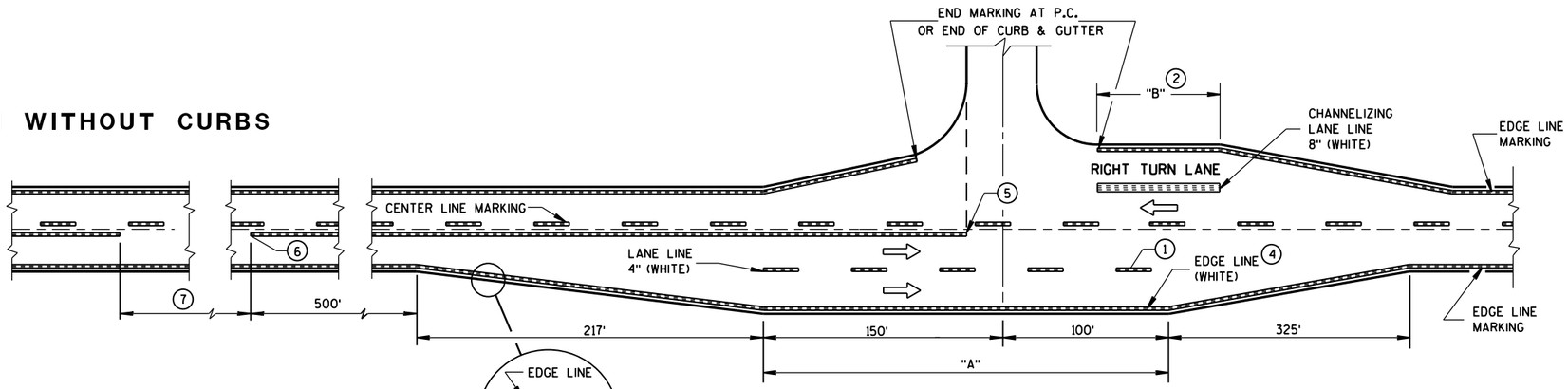
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

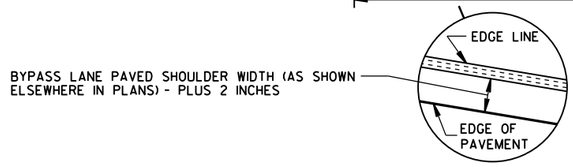
(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

(7)

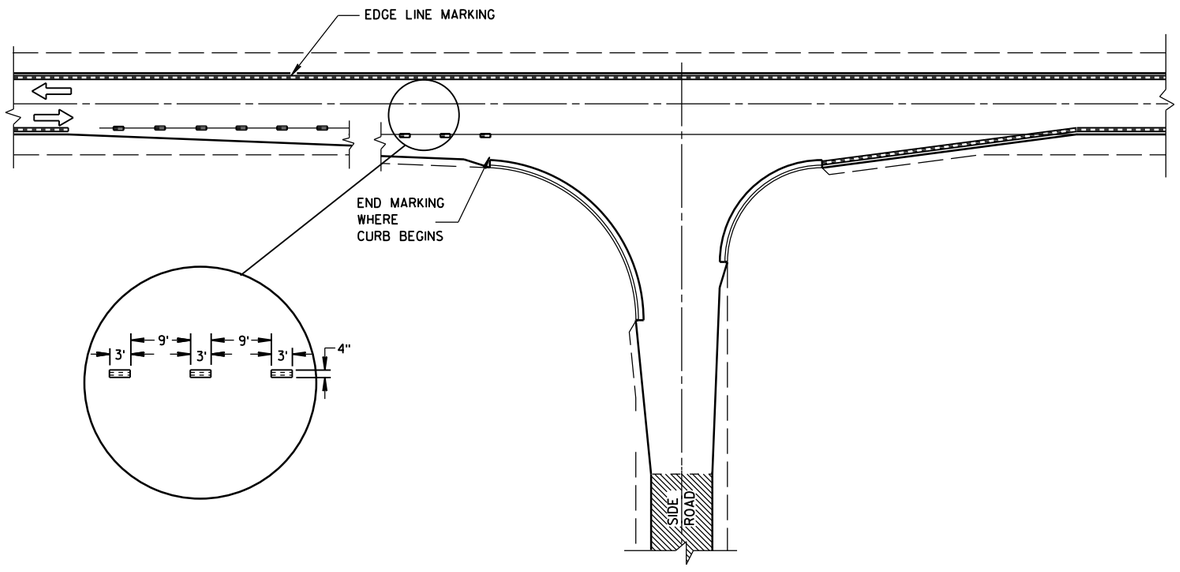
POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792





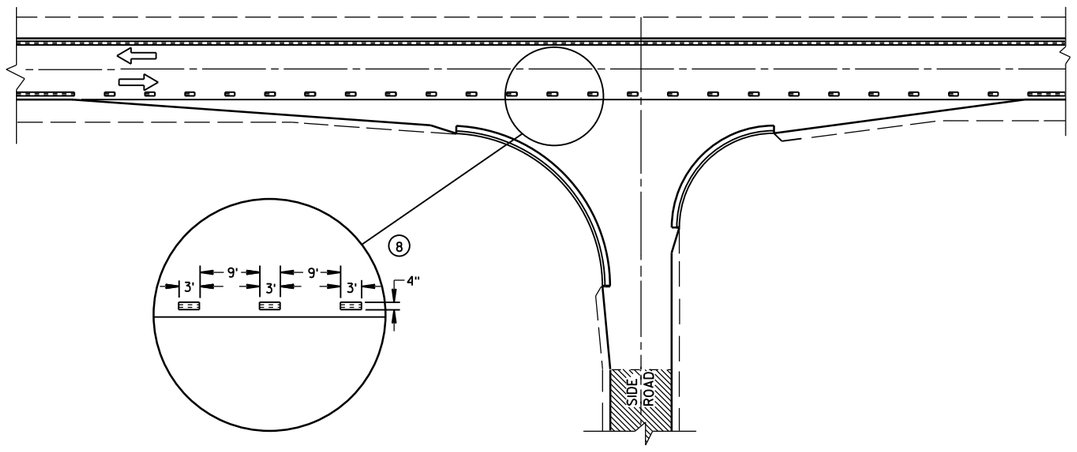
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

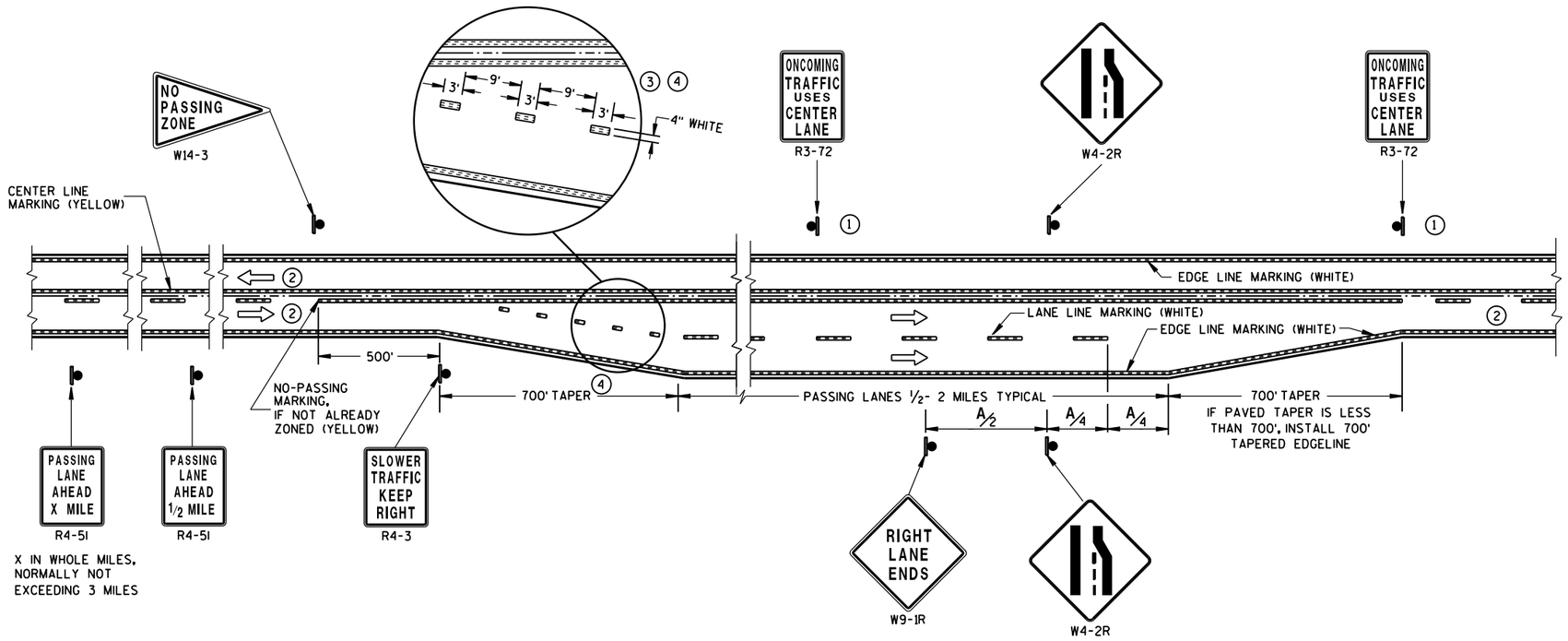
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 333

6

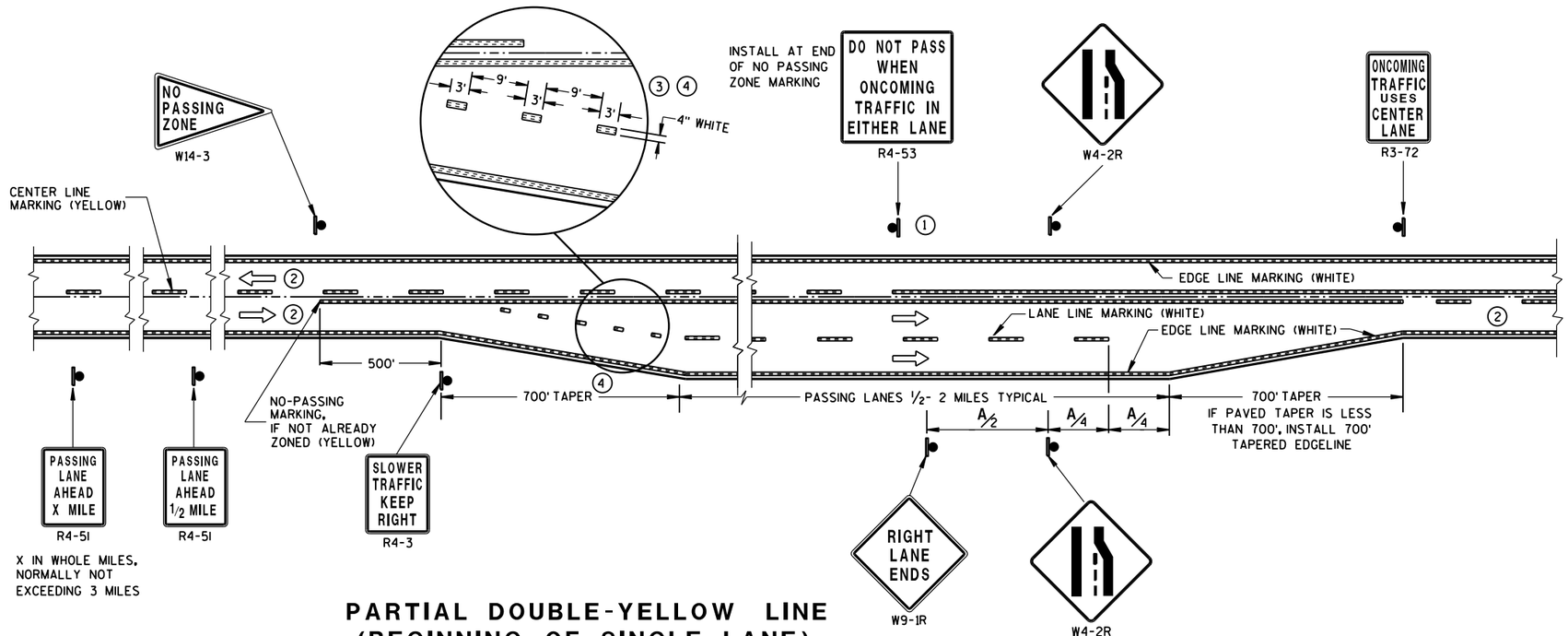
S.D.D. 15 C 8-16b

6

S.D.D. 15 C 8-16b



SOLID DOUBLE-YELLOW LINE
(THROUGHOUT ENTIRE PASSING/CLIMBING LANE)



PARTIAL DOUBLE-YELLOW LINE
(BEGINNING OF SINGLE LANE)

GENERAL NOTES

1. SIGN SHALL BE REPEATED AT 1 MILE INCREMENTS OR AT THE DISCRETION OF THE REGIONAL TRAFFIC ENGINEER.
2. THERE MAY BE SOLID YELLOW ON THE CENTERLINE DUE TO SIGHT CONDITIONS.
3. THE TAPER LENGTH OF THE DOTTED LINE PAVEMENT MARKING SHALL BE 700 FEET, 3'LINE 9'GAP, EXCEPT RETRACE THE EXISTING LINE-GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.
4. WHEN THE ENTRANCE TAPER IS LESS THAN 700 FEET OR THE SHOULDER WIDTH IN THE PASSING/CLIMBING LANE IS LESS THAN THE ADJACENT HIGHWAY, DO NOT INSTALL DOTTED LINE PAVEMENT MARKING.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

DISTANCE TABLE

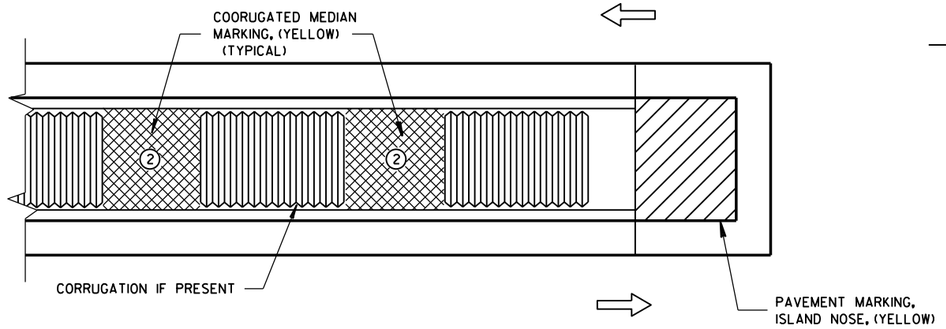
POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
45	750
50	850
55	950

PAVEMENT MARKING & SIGNING (CLIMBING LANE & PASSING LANE)

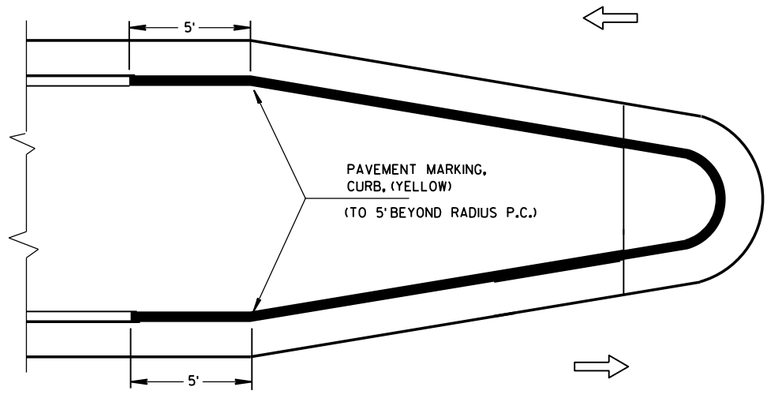
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

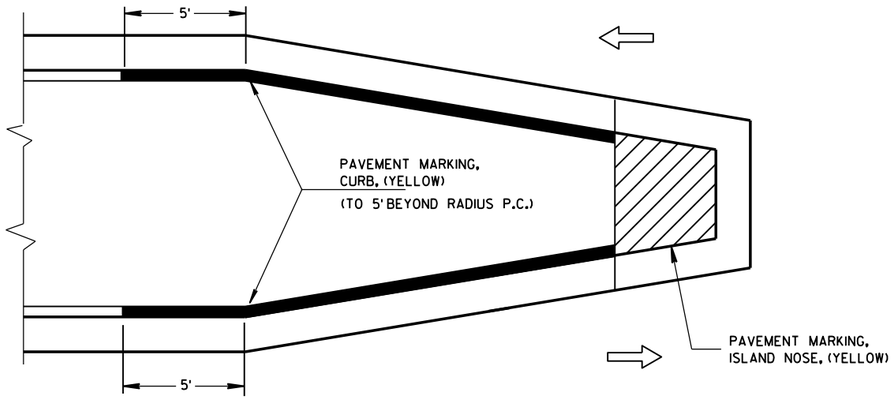
S.D.D. 15 C 8-16c



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

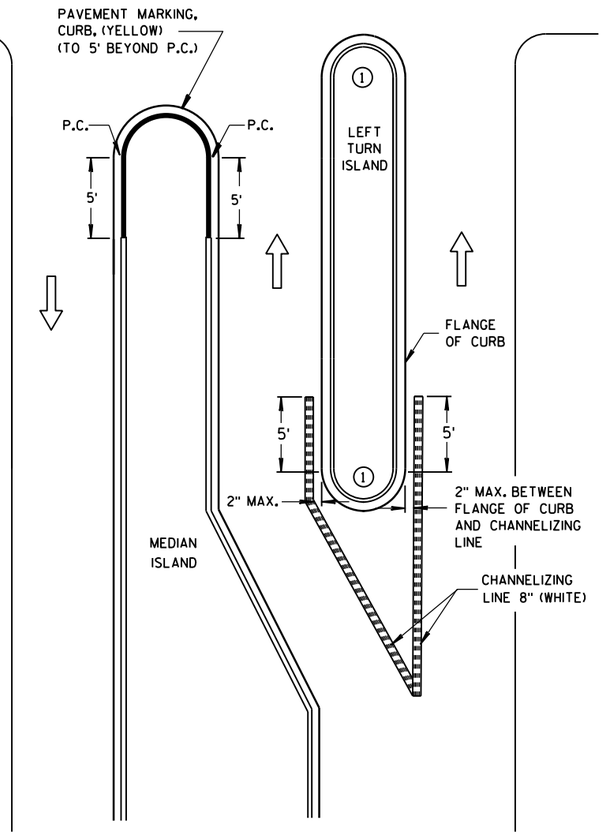


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

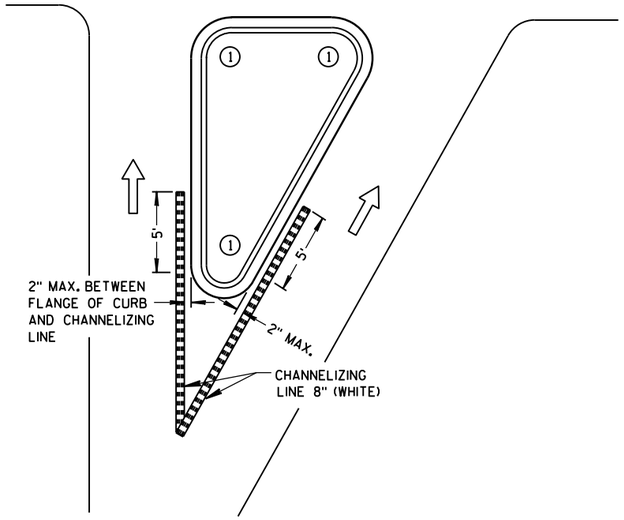


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. 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 AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

S.D.D. 15 C 8-16f

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA

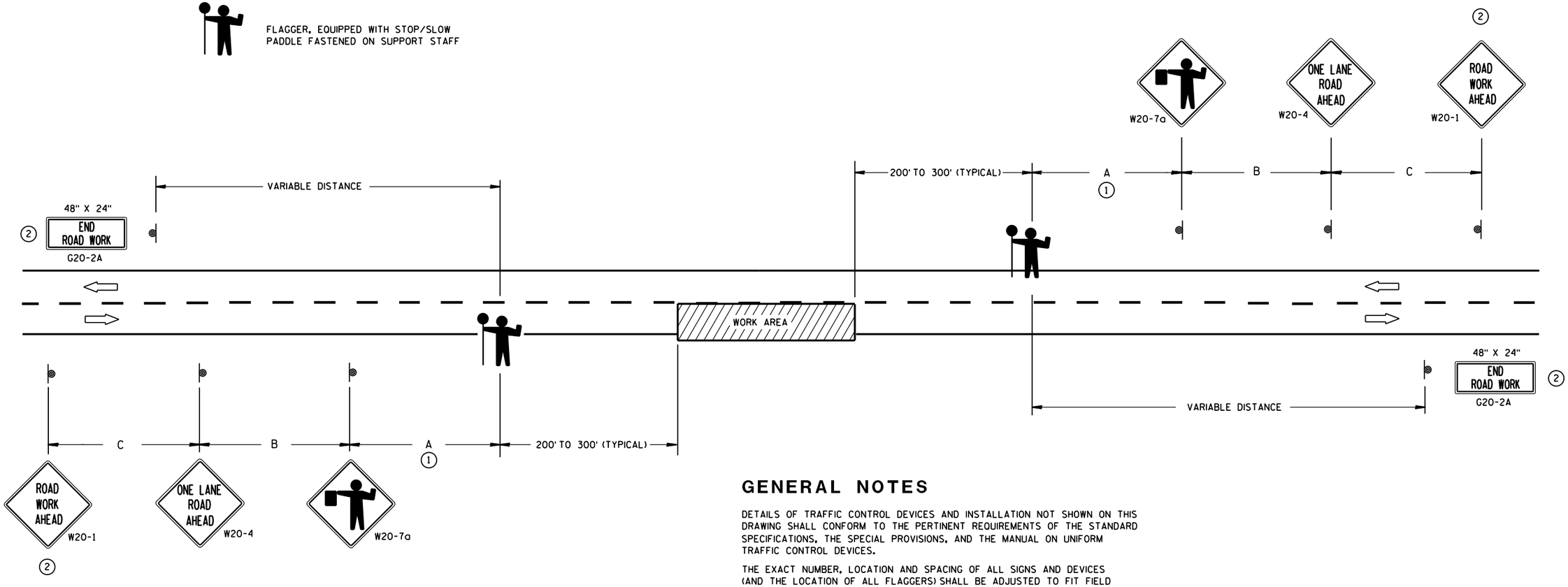
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

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

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

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

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

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

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

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

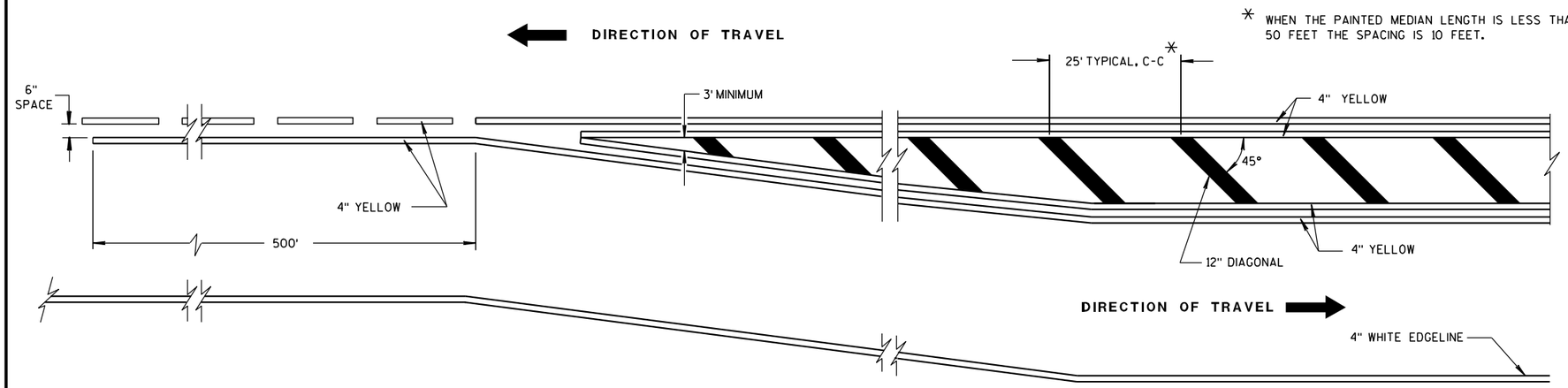
APPROVED
8/2013
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
DESIGN
FHWA

6

S.D.D. 15 C 12-4

6

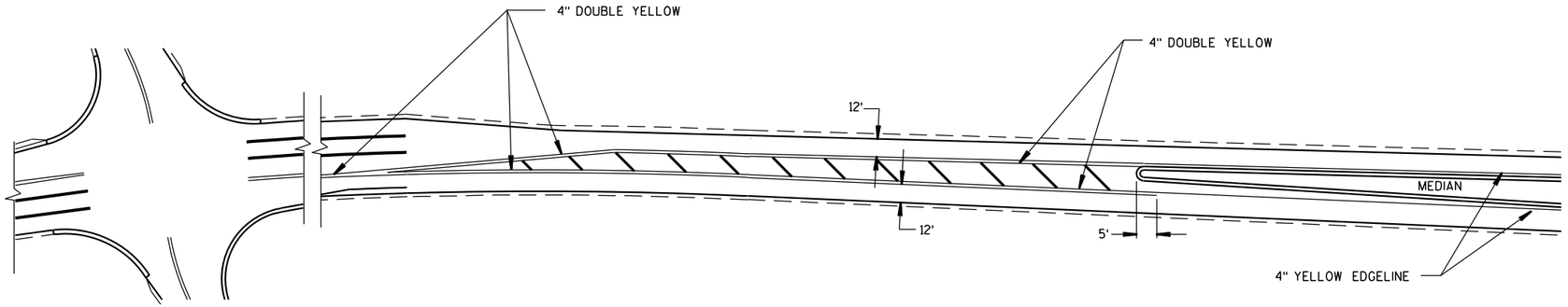
S.D.D. 15 C 12-4



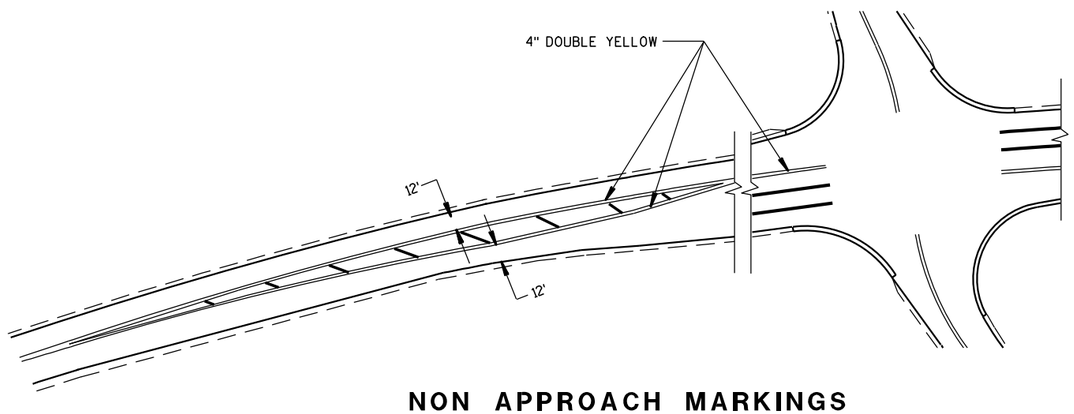
MEDIAN ISLAND DETAIL

GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

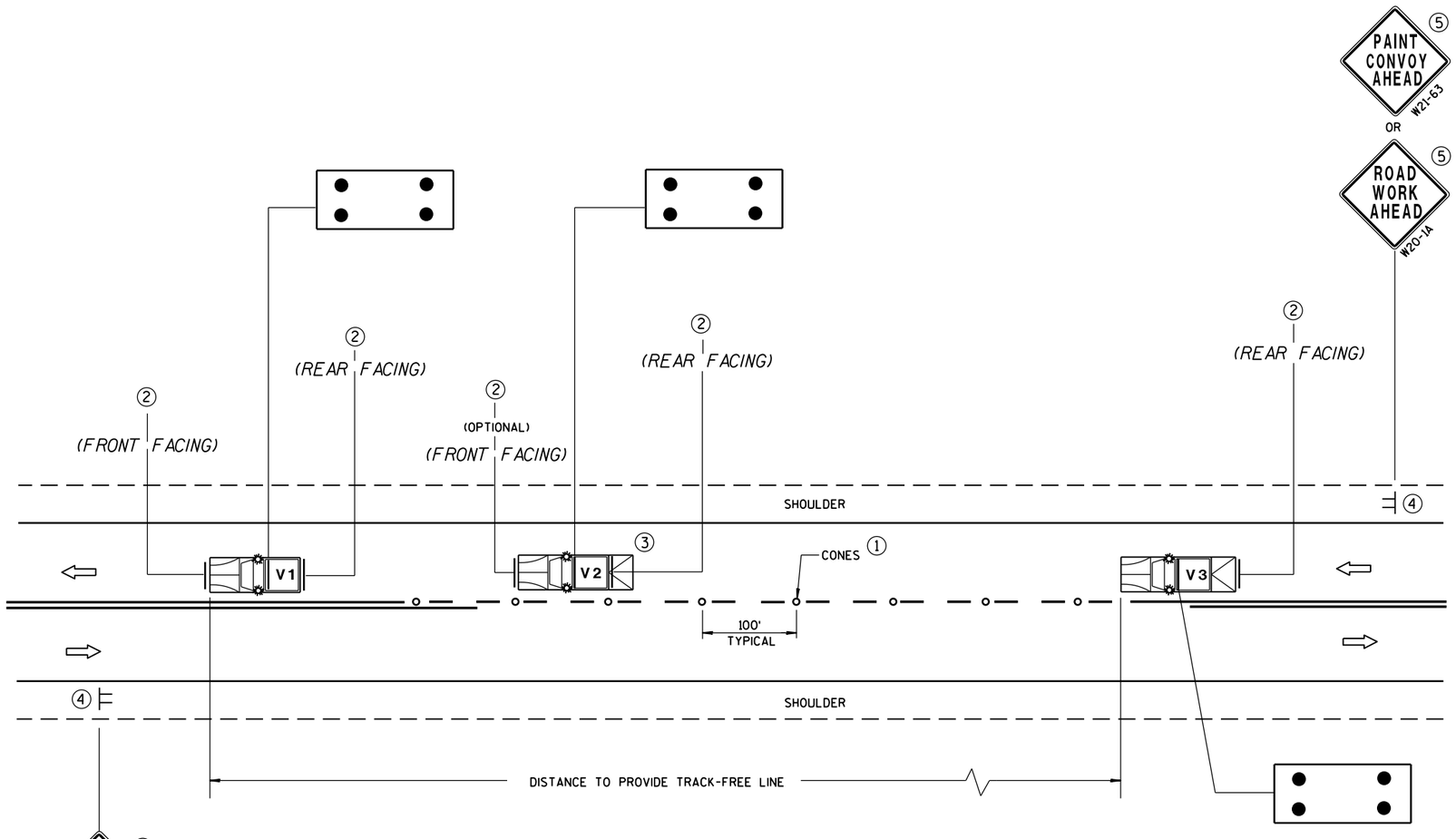
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 2-5-09 DATE	/S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER 337 IGN
FHWA	

6

S.D.D. 15 C 18-3

6

S.D.D. 15 C 18-3



MOVING PAVEMENT MARKING OPERATIONS
TWO-LANE TWO-WAY ROADWAY

GENERAL NOTES

ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

VEHICLES SHALL BE EQUIPPED WITH REAR FACING TYPE B OR C FLASHING ARROW PANEL OPERATING IN CAUTION MODE. SIGNS PLACED ON VEHICLES MUST NOT OBSCURE THE ARROW PANEL.

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

IF SPEED LIMIT IS 40 MPH OR LESS STATIONARY SIGNS MAY BE OMITTED IF CONES ARE USED.

ALTERNATE SIGN MESSAGES, SUCH AS "PAINT CREW AHEAD" OR "ROAD PAINTING AHEAD" MAY BE USED.

DISTANCE BETWEEN VEHICLES MAY VARY ACCORDING TO TERRAIN, SIGHT DISTANCE, PAINT DRYING TIME, AND OTHER FACTORS. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, SHADOW VEHICLES SHOULD MAINTAIN THE MINIMUM DISTANCE FROM THE WORK VEHICLE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. SHADOW VEHICLES SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.

THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS.

THIS DRAWING SHALL BE USED FOR CENTERLINE OR EDGELINE MARKING.

WHEN NO WORK ACTIVITY IS TAKING PLACE, REMOVE OR TURN THE STATIONARY WARNING SIGNS AWAY FROM TRAFFIC.

(1) CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

(2) USE STANDARD SIGN W21-64 WITH APPROPRIATE ARROW.

WET PAINT W21-64 OR WET PAINT W21-64

(3) OPTIONAL TRUCK-MOUNTED ATTENUATOR.

(4) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES.

(5) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1 OR W21-63 ARE NOT REQUIRED.

LEGEND

- **V1** LEAD VEHICLE
- **V2** SHADOW VEHICLE
- **V3** TRAIL VEHICLE WITH TMA
- **TMA** TRUCK-MOUNTED ATTENUATOR
- SIGN ON TEMPORARY SUPPORT
- DIRECTION OF TRAFFIC
- CONES
- FLASHING ARROW PANEL (CAUTION)

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE FHWA	/S/ Peter Amakobe Atepe STATEWIDE WORK ZONE SAFETY ENGINEER

6

S.D.D. 15 C 19-3a

6

S.D.D. 15 C 19-3a

GENERAL NOTES

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

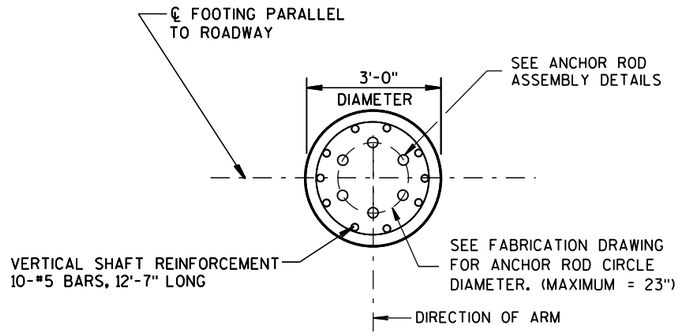
THE REINFORCEMENT AND ANCHOR RODS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

FORM ALL EXPOSED CONCRETE CORNERS WITH ¾" CHAMFER ALL AROUND. TOP OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

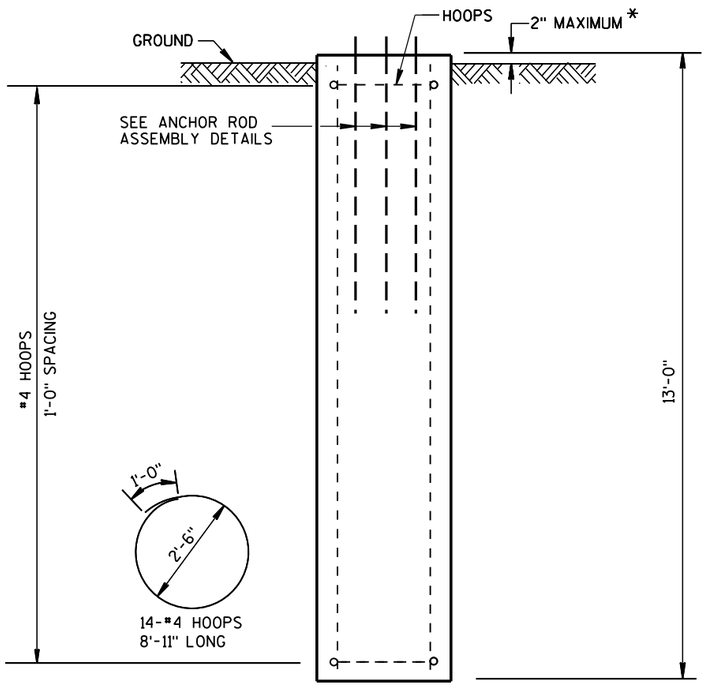
ANY DAMAGE TO THE CONCRETE BASE AND ANCHOR RODS DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

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	fy=55,000 p.s.i.
ASTM A563A HEAVY HEX NUTS, AND ASTM F436 WASHERS.	
PLATES, ASTM A709, GRADE 36	fy=36,000 p.s.i.

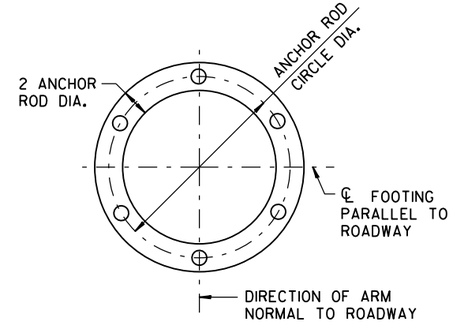
THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



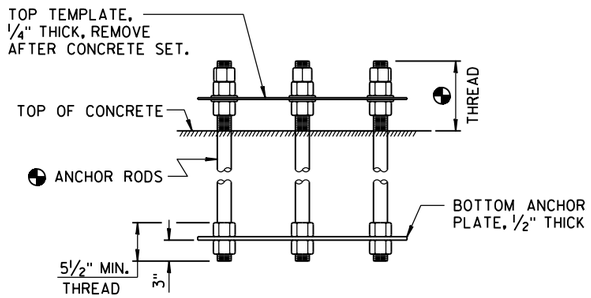
PLAN VIEW



ELEVATION VIEW



TOP TEMPLATE AND BOTTOM ANCHOR PLATE



ANCHOR ROD ASSEMBLY DETAILS

⊕ MINIMUM OF 6 ANCHOR RODS, EXACT NUMBER, SIZE, DIMENSION AND ORIENTATION AS SHOWN ON FABRICATION DRAWING.

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.

CONCRETE - 3.4 C.Y. PER FOOTING
H.S. REINFORCEMENT - 215 LBS. PER FOOTING

36" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 — DATE
/S/ Vu Thao — WIND LOADED STRU PROGRAM LEAD
FHWA

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S.D.D. 15 C 24-4

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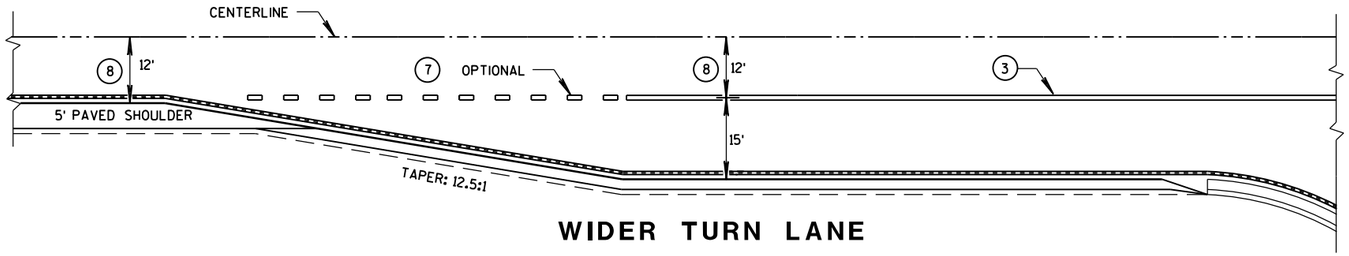
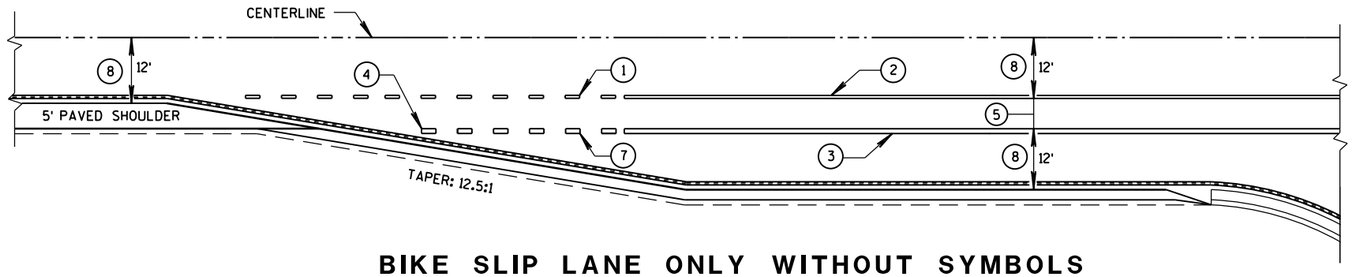
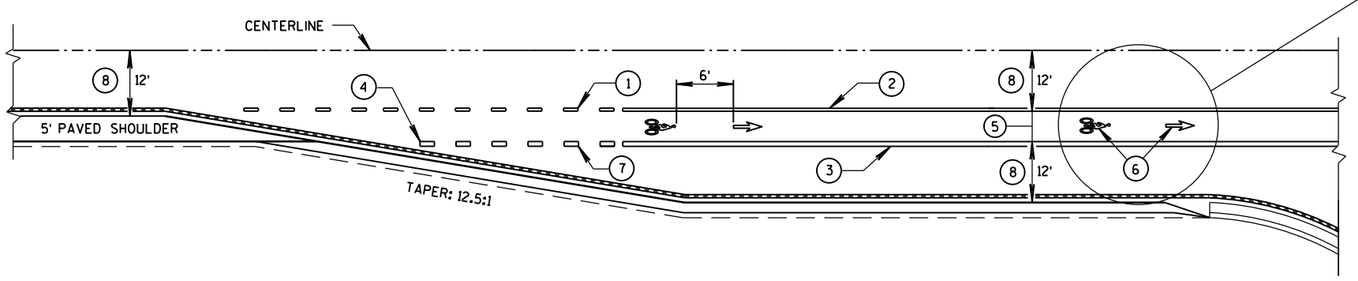
S.D.D. 15 C 24-4



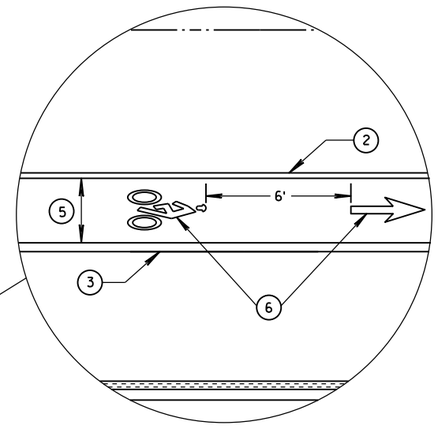
WIDER TURN LANE



BIKE SLIP LANE ONLY WITHOUT SYMBOLS



BIKE LANE WITH SYMBOLS



GENERAL NOTES

1. 3' LINE, 9' GAP - 4-INCH WIDE, WHITE.
2. 4-INCH, WHITE.
3. 8-INCH, WHITE.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMMODATION FOR CONCRETE PAVEMENT IS 5' WIDE.
   BIKE ACCOMMODATION FOR ASPHALT PAVEMENT IS A MINIMUM OF 4', 5' AT ≥ 45 MPH.
6. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
7. 3' LINE, 9' GAP - 8-INCH WIDE, WHITE.
8. REFER TO CONTRACT PLANS.

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

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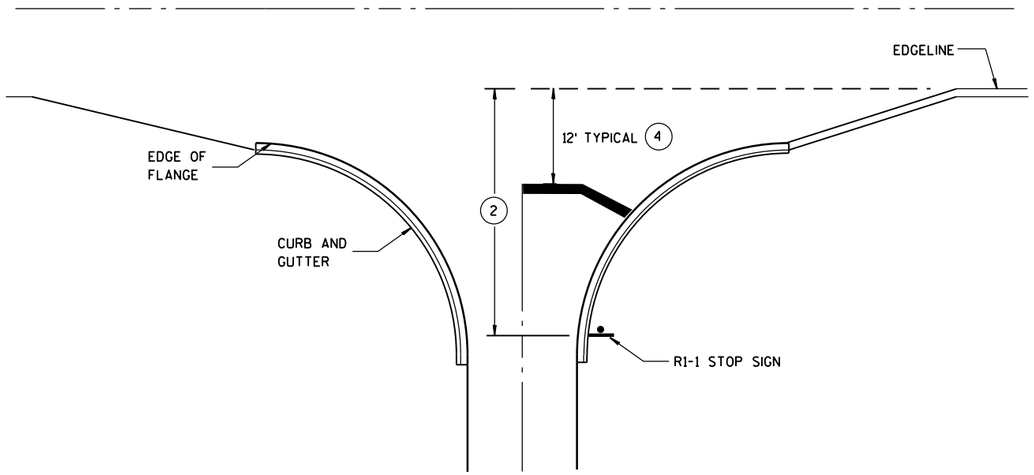
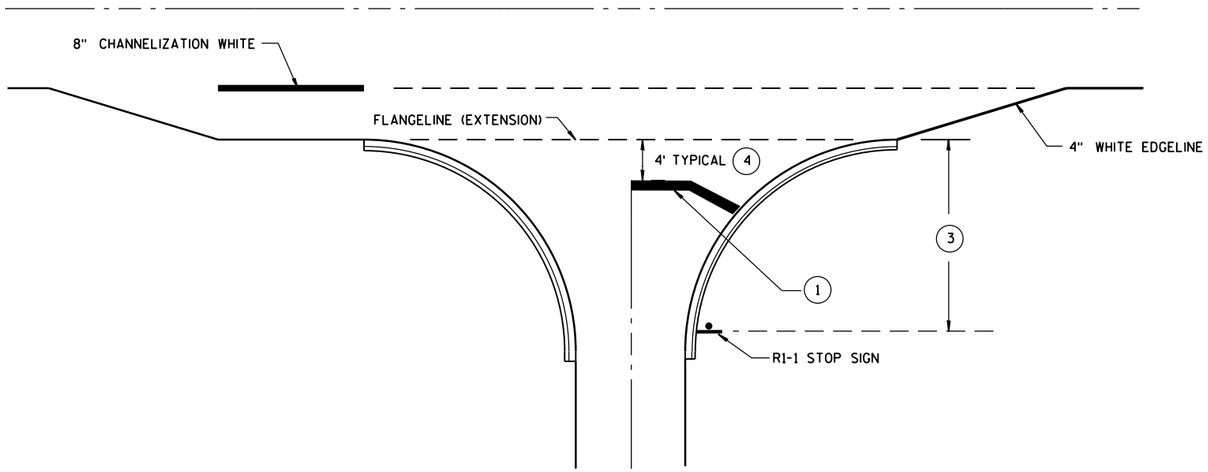
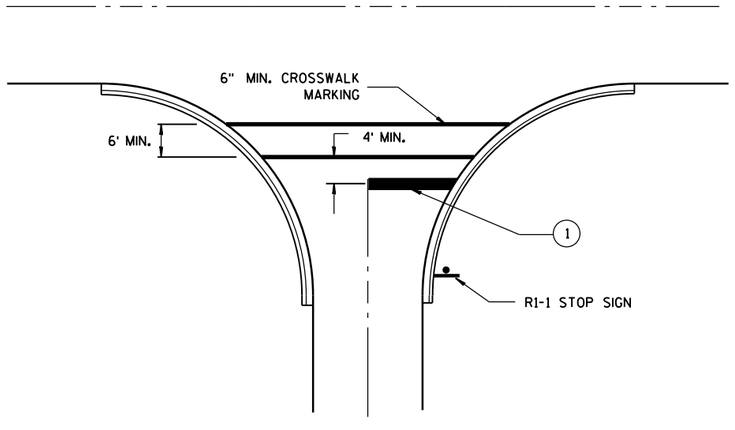
S.D.D. 15 C 29-3a



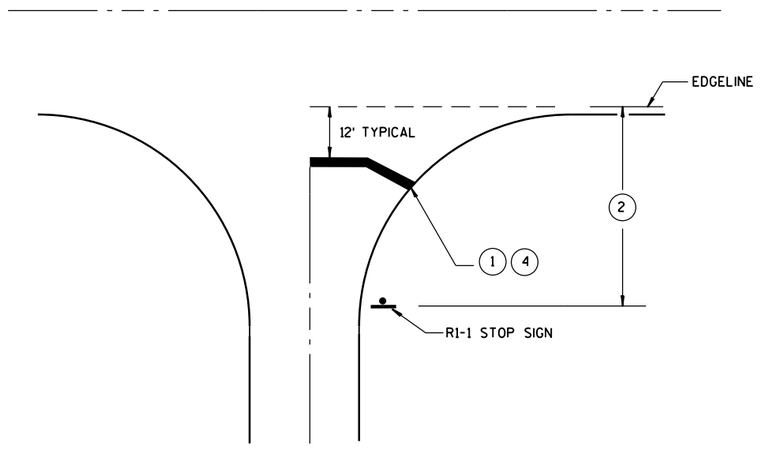
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 341 NEER

FHWA

6

S.D.D. 15 C 33-2

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- REMOVING PAVEMENT MARKING
- CONCRETE BARRIER TEMPORARY PRECAST
- DIRECTION OF TRAFFIC
- WORK AREA

W057-52
36"x24"

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1 FOOT LESS THAN AVAILABLE WIDTH (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET).

LOCATED 500 FEET IN ADVANCE OF R2-1 SIGN AND 500 FEET BEYOND THE "ROAD WORK 1 MILE" SIGN.

R2-1
48"x60"
(BLACK AND WHITE)

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. THERE SHOULD BE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 2 OR 3 MILES.

* INCLUDE RESUME SPEED LIMIT SIGN A MINIMUM OF 200 FEET (500 FEET DESIRABLE) AFTER END ROAD WORK SIGNS.

GENERAL NOTES

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

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 OR AS APPROVED BY THE ENGINEER.

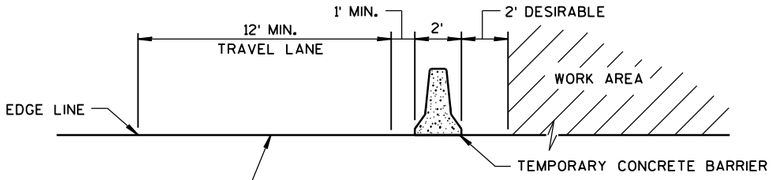
(1) CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUM TAPER.

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.

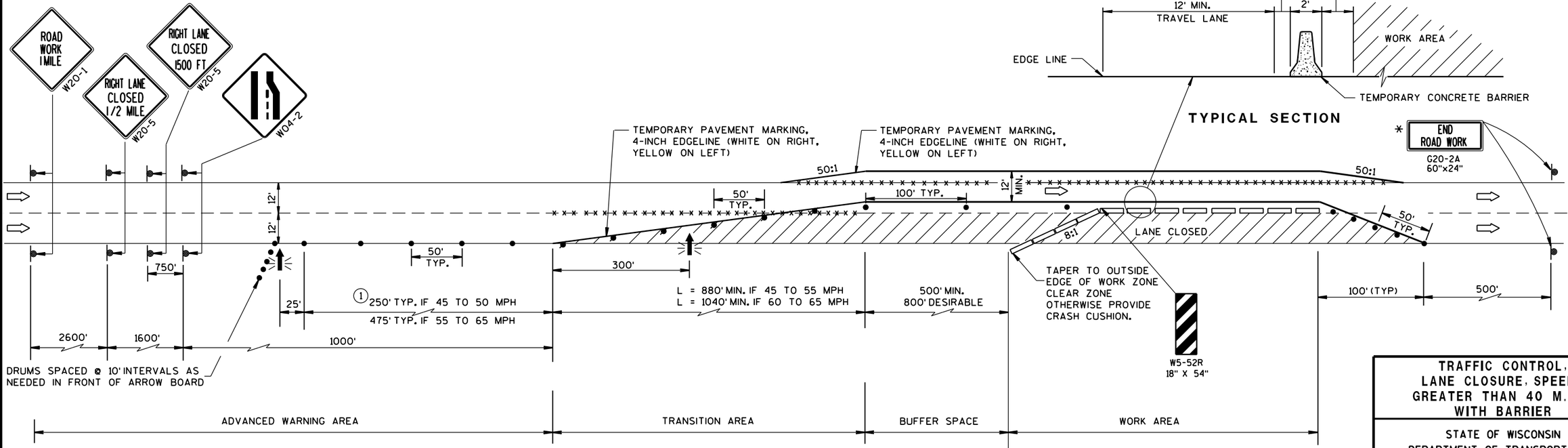
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 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.



TYPICAL SECTION



TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M.P.H. WITH BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER — SIGN
FHWA

S.D.D. 15 D 3-2

S.D.D. 15 D 3-2

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

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 CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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 "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD 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.

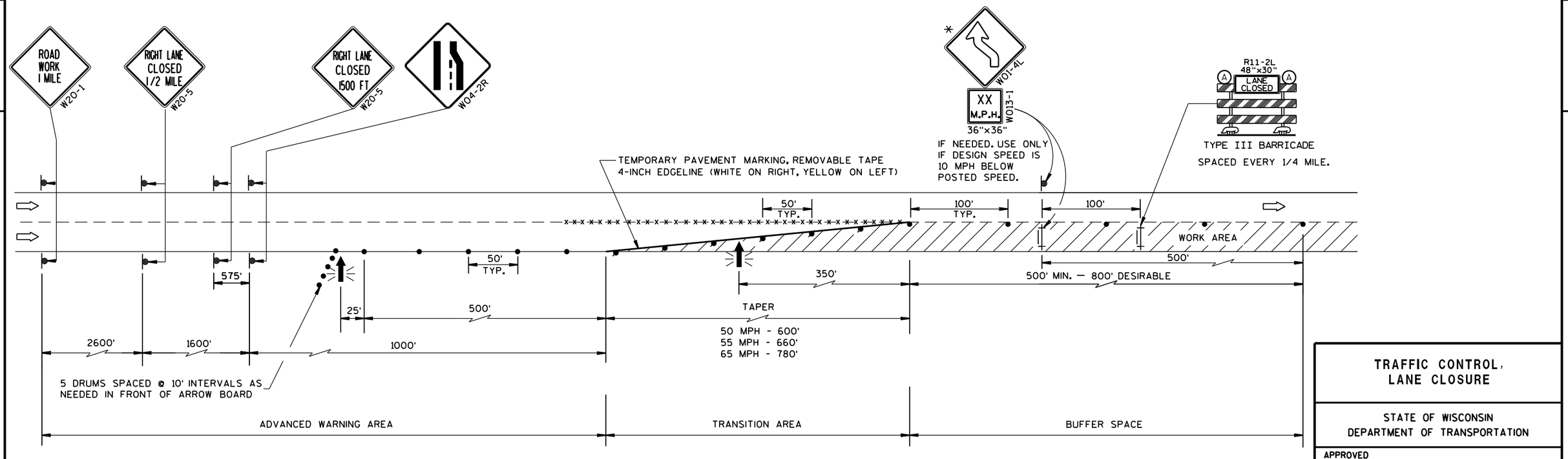
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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 CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Feb. 2015 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 D 12-5a

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMENENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- FLASHING ARROW BOARD
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA

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 CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

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 "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD 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.

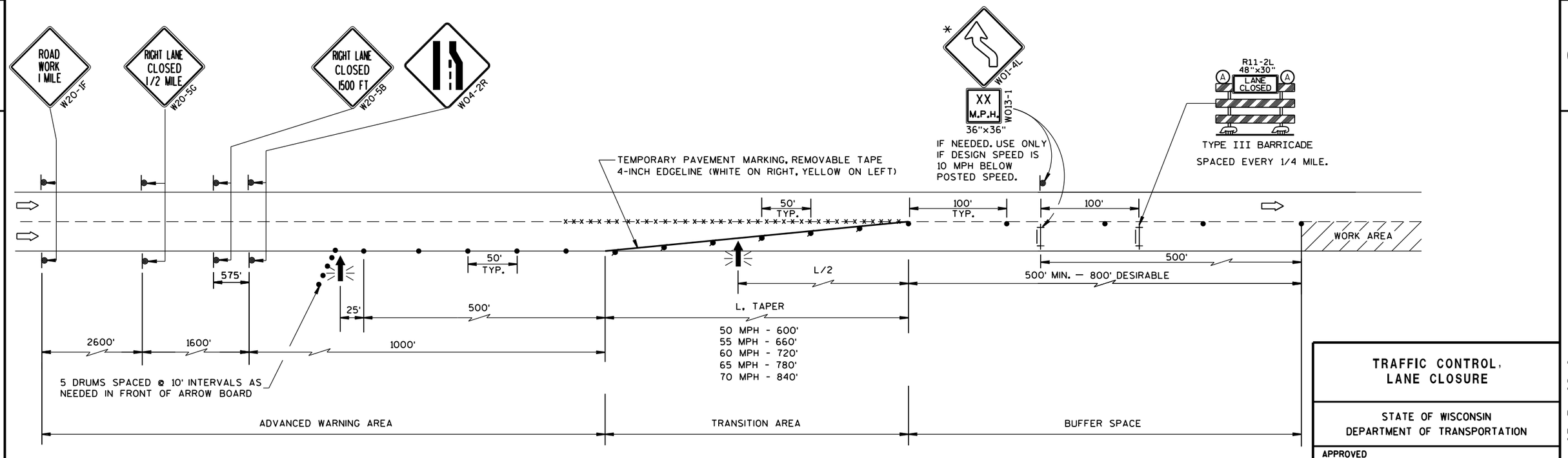
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

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 CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST 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.

* THE LEFT REVERSE CURVE SIGN (WO1-4L) IS ONLY REQUIRED WHEN THIS DETAIL IS USED IN COMBINATION WITH "SINGLE LANE CROSSOVER" DETAIL.



TRAFFIC CONTROL, LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2016 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

6

S.D.D. 15 D 12-6a

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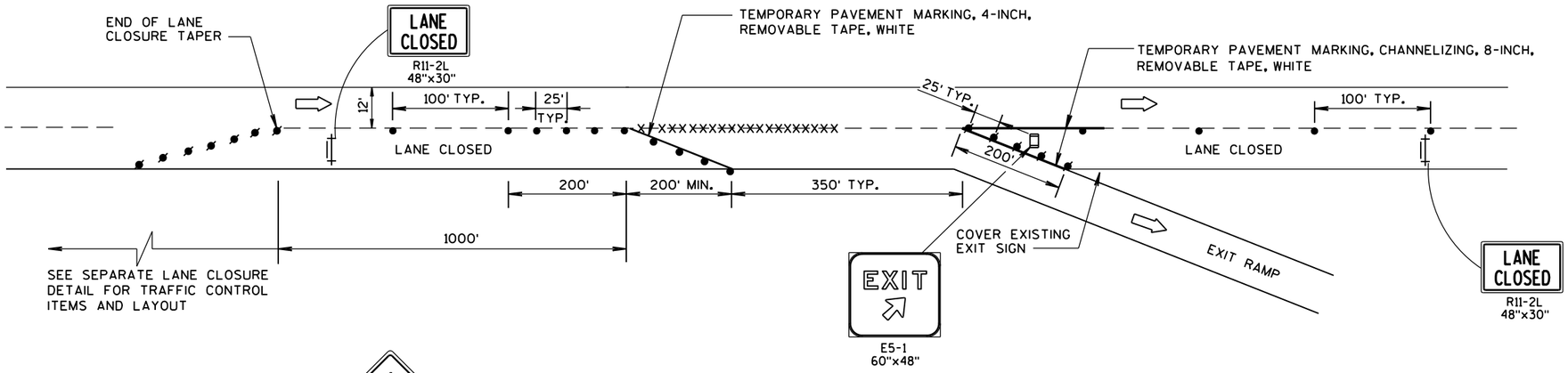
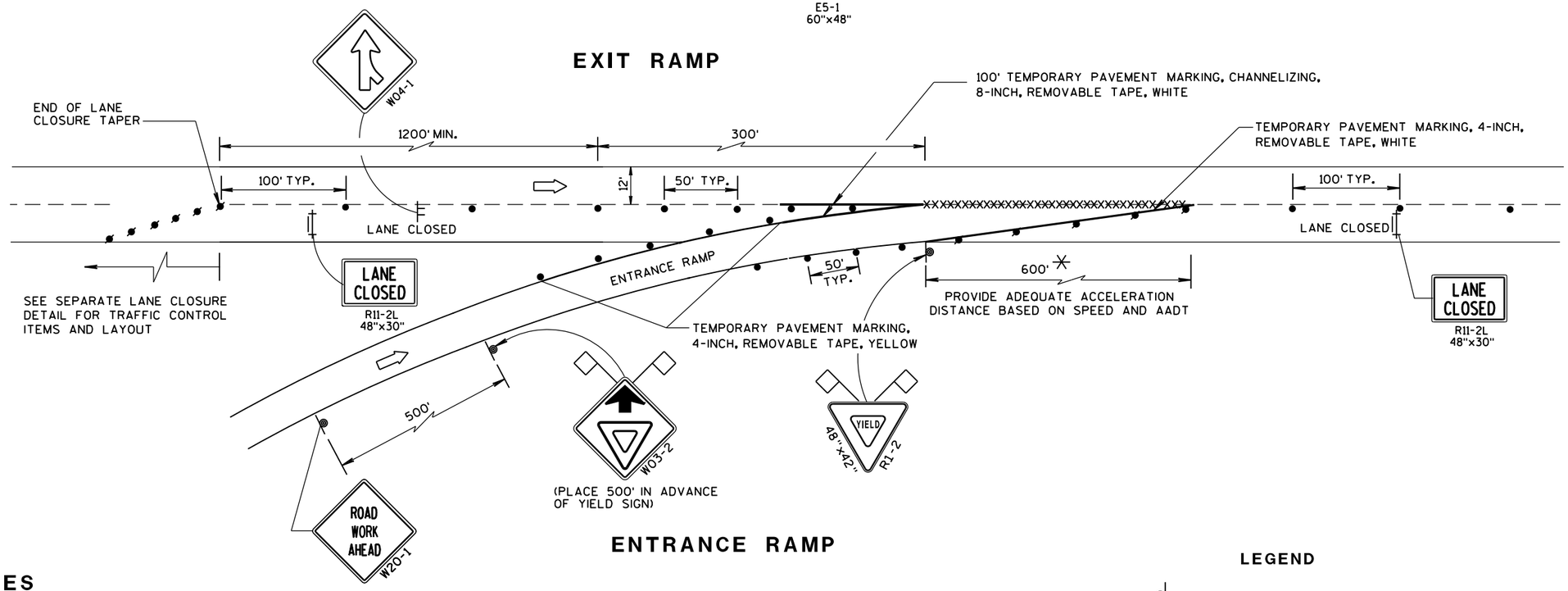
S.D.D. 15 D 12-6a



EXIT RAMP



ENTRANCE RAMP

GENERAL NOTES

THE INSTALLATIONS SHOWN ON THIS SHEET ARE TYPICAL EXAMPLES AND ARE NOT INTENDED TO REPRESENT ANY PARTICULAR RAMP. AT SPECIFIC FIELD LOCATIONS, SIMILAR INSTALLATIONS SHALL BE USED AND ADJUSTED TO THE GEOMETRICS OF THE RAMP AS COORDINATED WITH THE ENGINEER.

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

SEE SEPARATE LANE CLOSURE DETAIL FOR TYPICAL SPACING OF TYPE III BARRICADES AND R11-2L "LANE CLOSED" SIGNS.

YIELD SIGN AND WARNING SIGNS ON ENTRANCE RAMP ARE ALSO APPROPRIATE FOR CLOSURE OF THE MAINLINE LEFT LANE. OMIT THE YIELD SIGN IF MORE THAN ONE LANE REMAINS OPEN ON THE MAINLINE AND THE RAMP TAPER IS AT LEAST AS LONG AS THE NORMAL ENTRANCE RAMP TAPER AT THE SITE.

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 PORTABLE SUPPORTS.

IF INDICATED IN MISCELLANEOUS QUANTITIES, SUBSTITUTE FLEXIBLE TUBULAR MARKERS FOR DRUMS IN THE GORE BETWEEN THE ENTRANCE RAMP AND MAINLINE TRAFFIC.

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.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF LANE CLOSURE IS TO BE IN PLACE FOR 7 OR MORE CONTINUOUS DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

* LENGTH OF OPENING MAY BE REDUCED TO 150 FEET DURING STAGING OF WORK IN IMMEDIATE AREA OF RAMP TAPER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)
- TYPE III BARRICADE WITH ATTACHED SIGN
- FLAGS, 16" x 16" MIN., (ORANGE)
- DIRECTION OF TRAFFIC

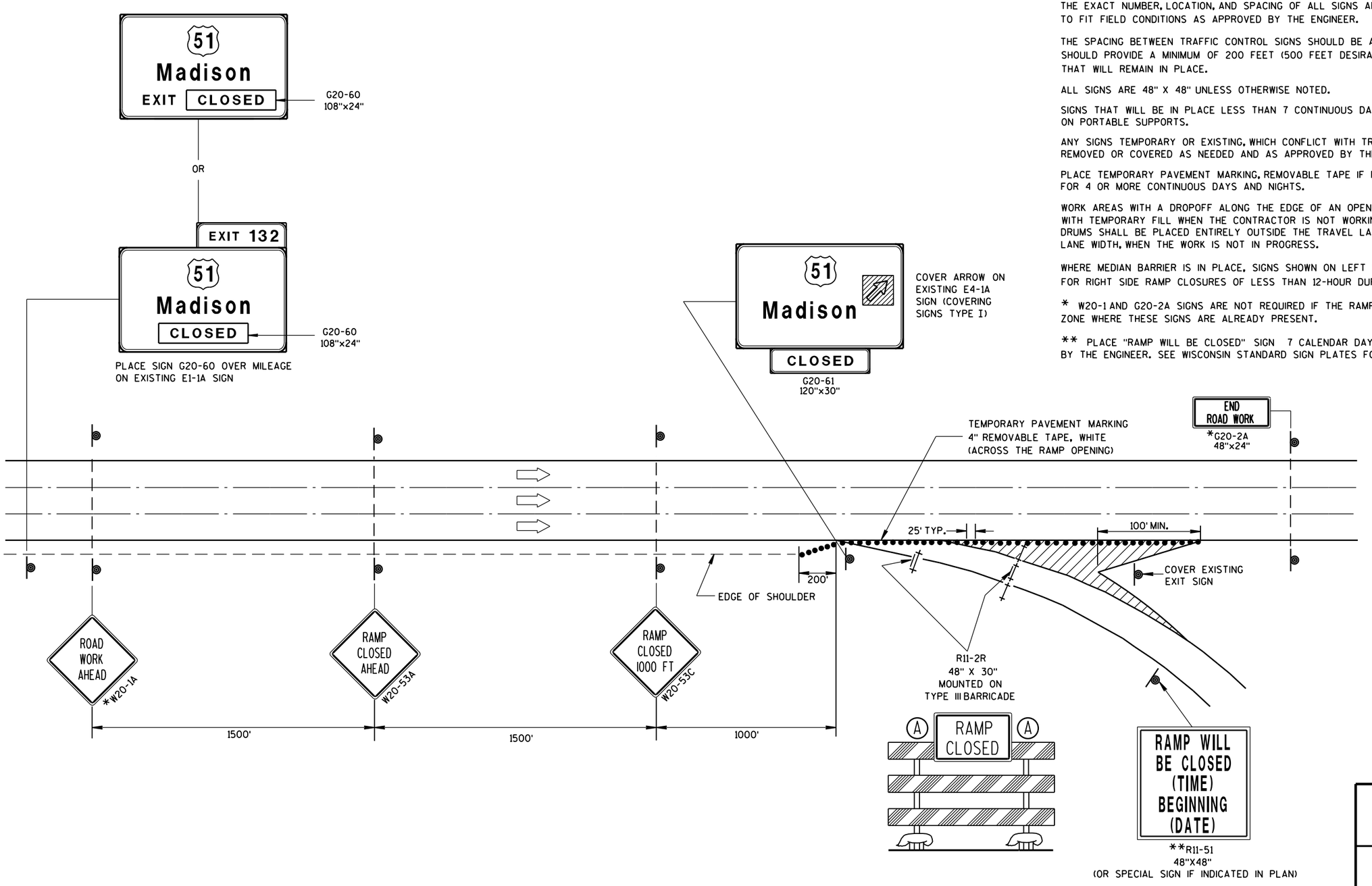
TRAFFIC CONTROL, EXIT AND ENTRANCE RAMP WITHIN LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

S.D.D. 15 D 15-2

S.D.D. 15 D 15-2



GENERAL NOTES

THIS RAMP CLOSURE DETAIL IS TYPICAL FOR CLOSING A RIGHT SIDE EXIT RAMP. FOR A LEFT SIDE EXIT RAMP, REVERSE THE TRAFFIC CONTROL.

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 SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

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

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

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

PLACE TEMPORARY PAVEMENT MARKING, REMOVABLE TAPE IF RAMP CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

WORK AREAS WITH A DROPOFF ALONG THE EDGE OF AN OPEN TRAVEL LANE SHALL BE LEVELED WITH TEMPORARY FILL WHEN THE CONTRACTOR IS NOT WORKING ADJACENT TO THE TRAVEL LANE. DRUMS SHALL BE PLACED ENTIRELY OUTSIDE THE TRAVEL LANE, ALLOWING THE FULL UNOBSTRUCTED LANE WIDTH, WHEN THE WORK IS NOT IN PROGRESS.

WHERE MEDIAN BARRIER IS IN PLACE, SIGNS SHOWN ON LEFT SIDE OF ROADWAY MAY BE OMITTED FOR RIGHT SIDE RAMP CLOSURES OF LESS THAN 12-HOUR DURATION.

* W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE RAMP CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

** PLACE "RAMP WILL BE CLOSED" SIGN 7 CALENDAR DAYS PRIOR TO CLOSURE OR AS DIRECTED BY THE ENGINEER. SEE WISCONSIN STANDARD SIGN PLATES FOR SIGN LAYOUT.

LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC

TRAFFIC CONTROL, EXIT RAMP CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGI — FIC
FHWA

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S.D.D. 15 D 16-3

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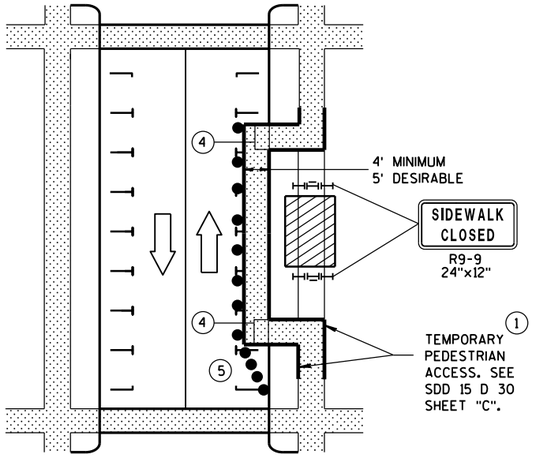
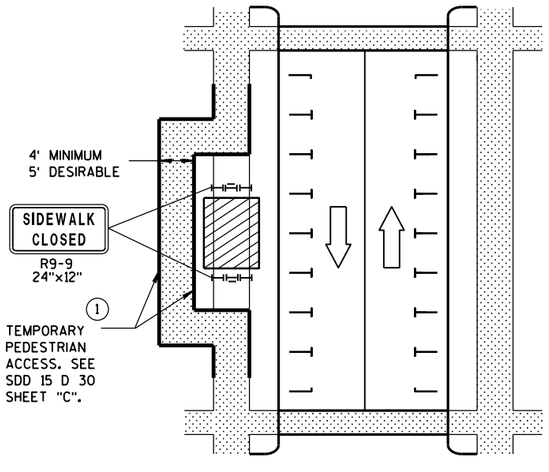
S.D.D. 15 D 16-3

NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.

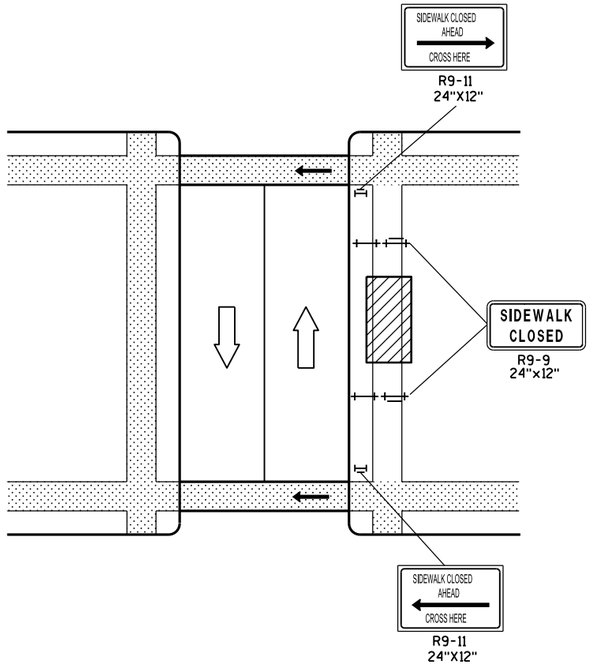


MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

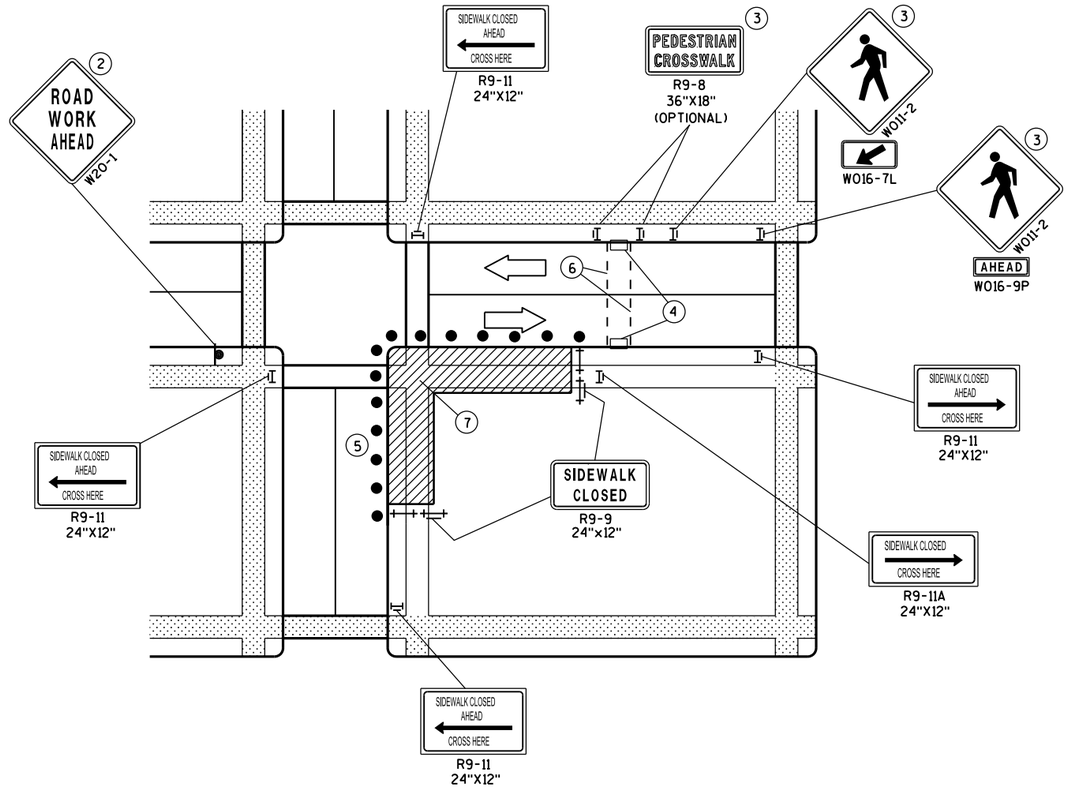
NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

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

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

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

(1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.

(2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.

(3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.

(4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".

(5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 30-3a

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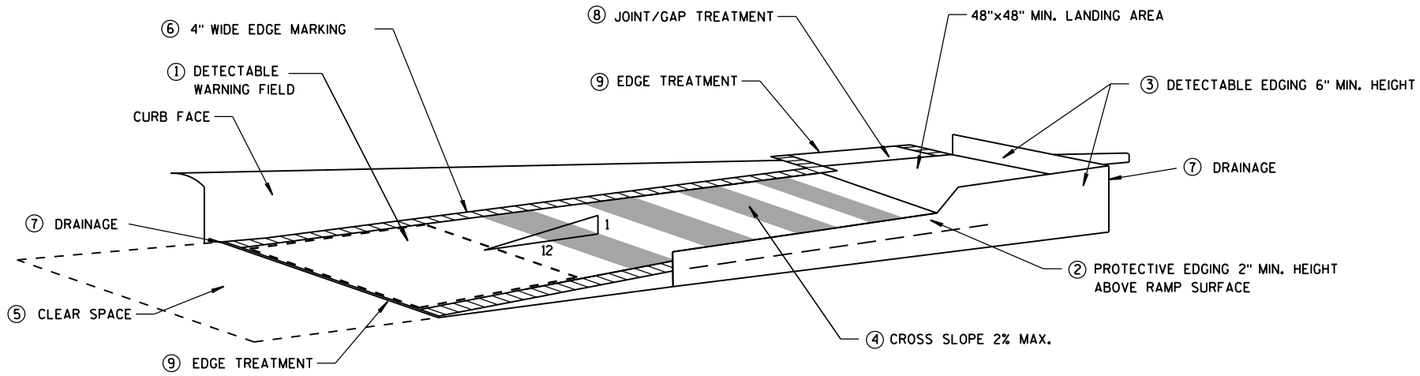
S.D.D. 15 D 30-3a



TEMPORARY CURB RAMP PARALLEL TO CURB

GENERAL NOTES

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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

① CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".

② PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

③ DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

④ CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

⑤ CLEAR SPACE OF 48"X48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

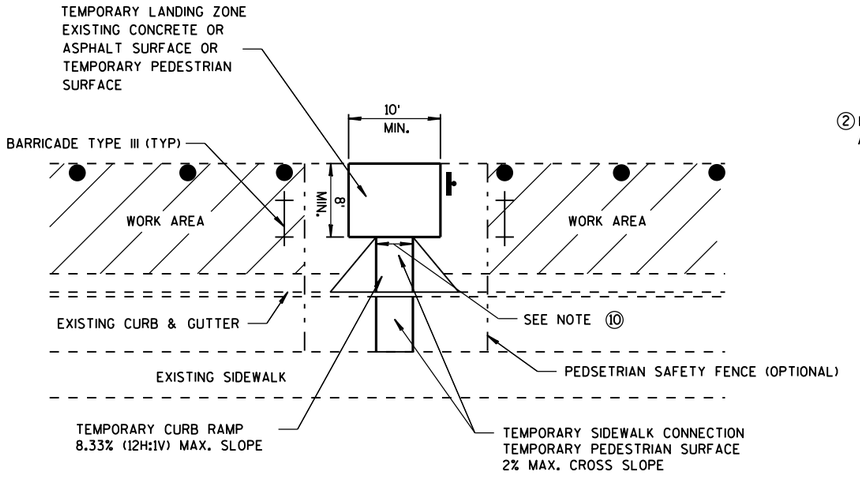
⑥ THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.

⑦ DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

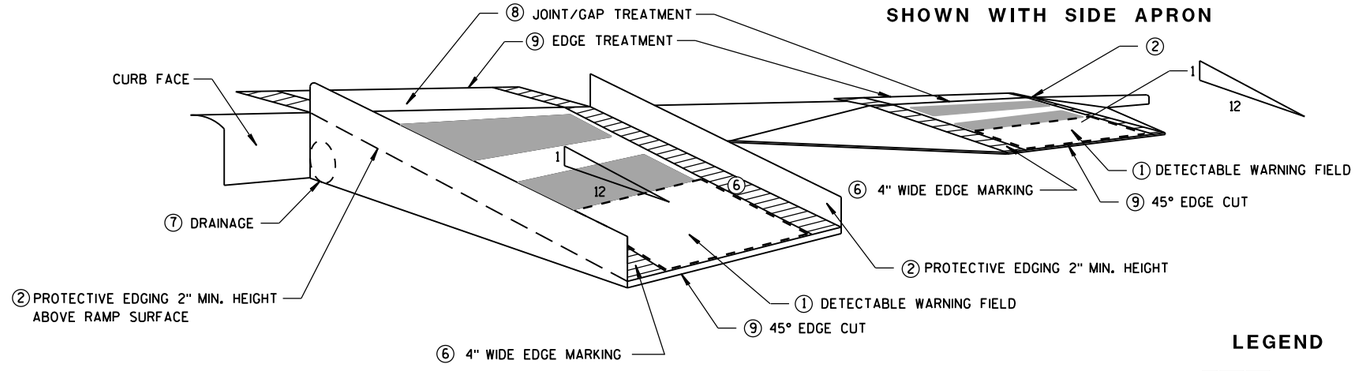
⑧ LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.

⑨ CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".

⑩ 5' WIDE MIN. WITH PEDSETRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

LEGEND

WORK AREA

TYPE III BARRICADE

TRAFFIC CONTOL DRUM

TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2016 — DATE

/S/ Peter Amakobe Atepe — STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

6

S.D.D. 15 D 30-3b

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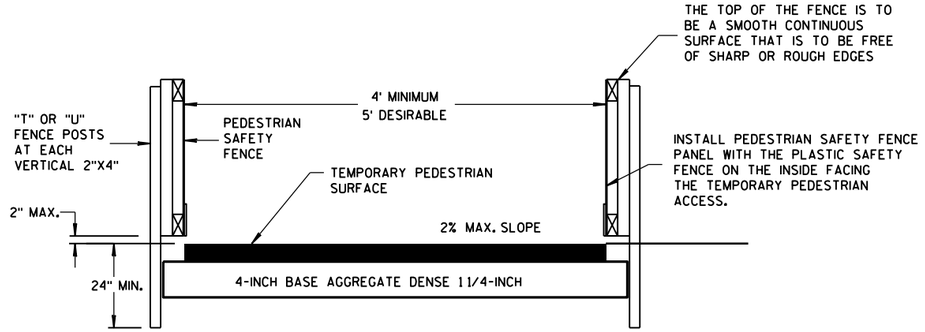
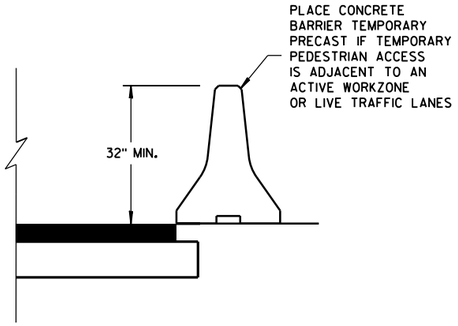
S.D.D. 15 D 30-3b

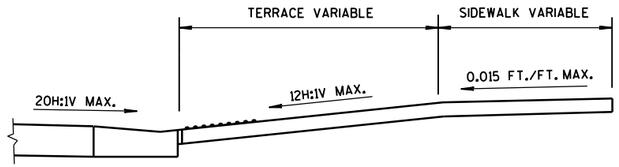




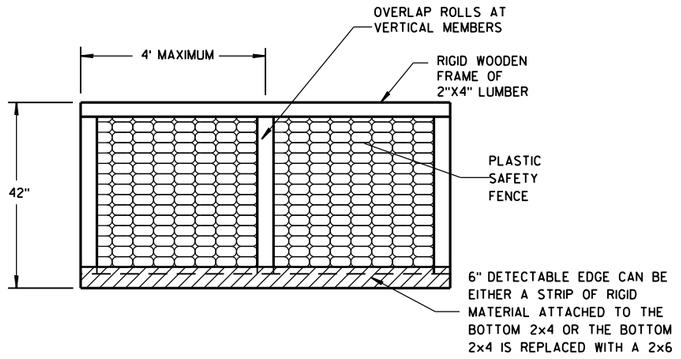
TEMPORARY PEDESTRIAN ACCESS

GENERAL NOTES

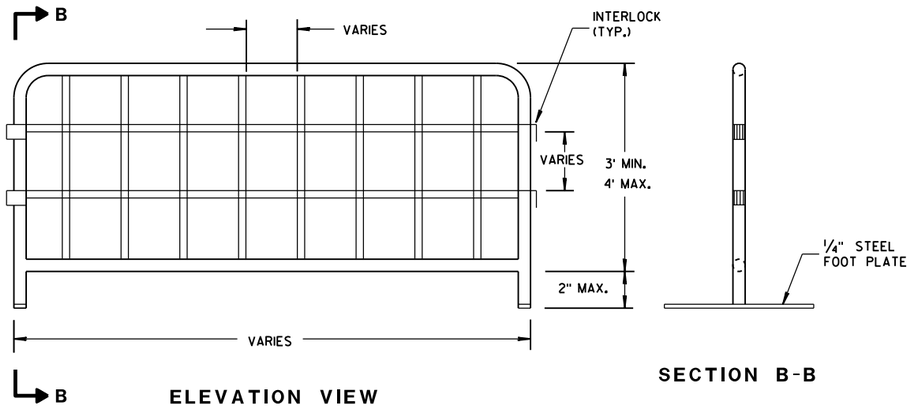
(1) INTERCHANGEABLE WITH THE PEDESTRIAN SAFETY FENCE.



SECTION A-A



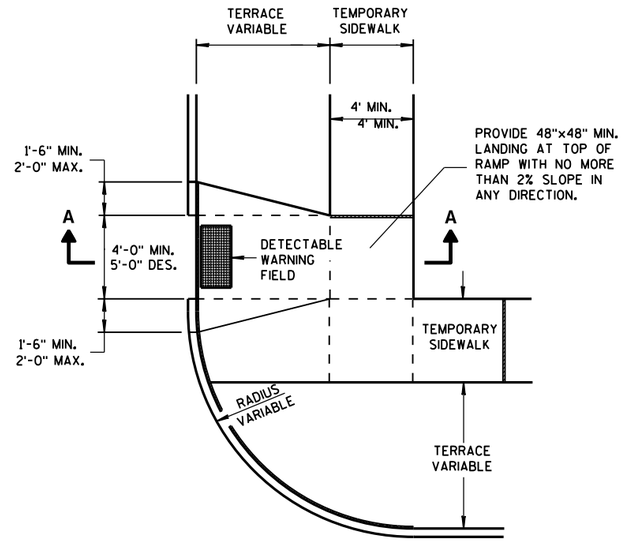
PEDESTRIAN SAFETY FENCE



ELEVATION VIEW

SECTION B-B

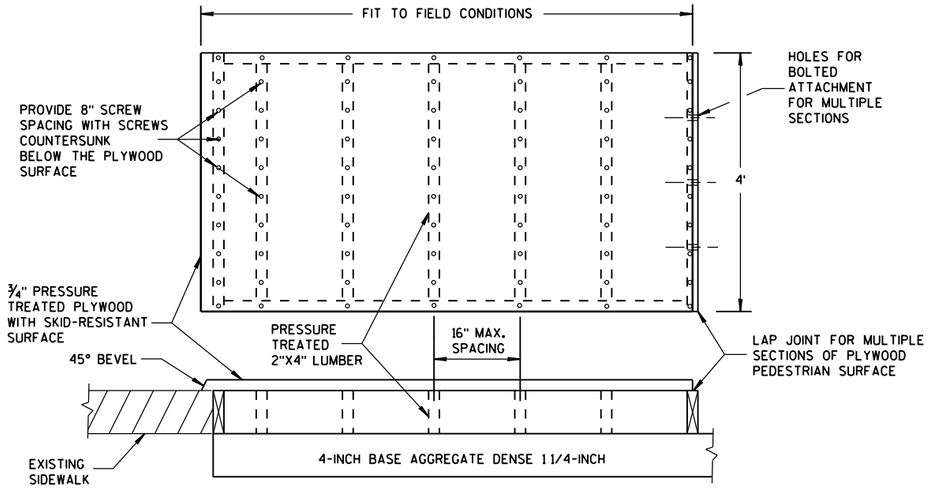
TEMPORARY PEDESTRIAN STEEL BARRICADE (1)



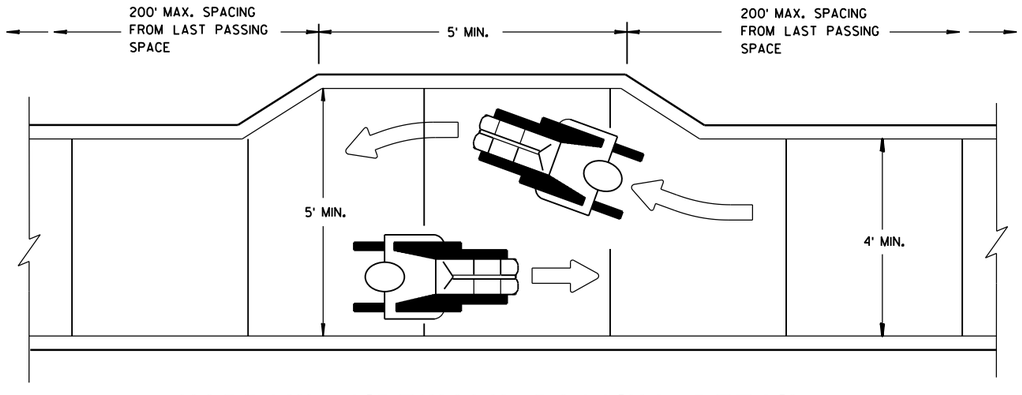
PLAN VIEW

TEMPORARY TYPE 3 RAMP

(OUTSIDE OF CROSSWALK AREA)



TEMPORARY PEDESTRIAN SURFACE PLYWOOD



NARROW SIDEWALK PASSING DETAIL

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZON IC
SAFETY ENGIN
FHWA

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S.D.D. 15 D 30-3c

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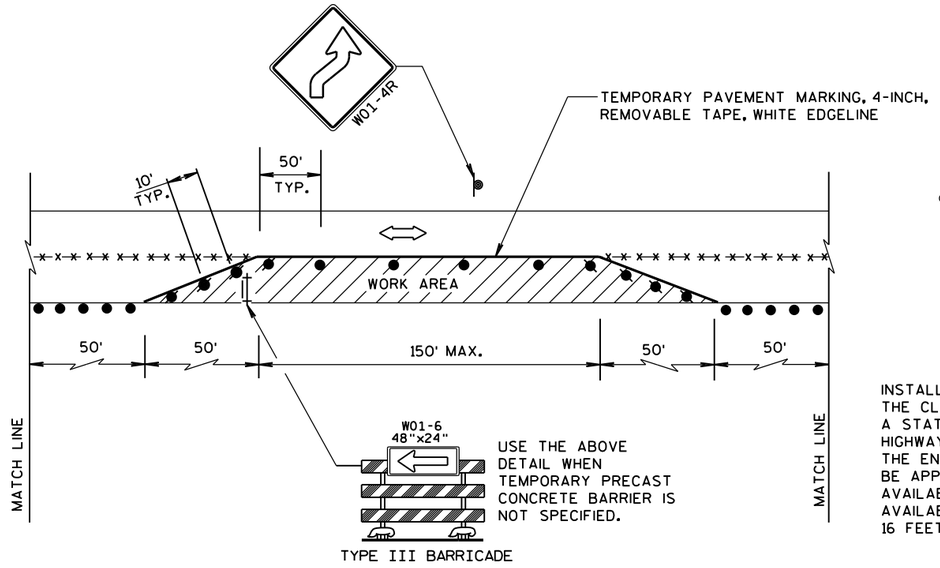
S.D.D. 15 D 30-3c

LEGEND

- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- TYPE III BARRICADE WITH ATTACHED SIGN
- CONCRETE BARRIER TEMPORARY PRECAST
- FLAGS, 16" x 16" MIN., (ORANGE)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- ASPHALTIC PAVEMENT WIDENING
- DIRECTION OF TRAFFIC



TYPE III BARRICADE

W057-52
36"x24"

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1-FOOT LESS THAN AVAILABLE WIDTH. (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET.)

GENERAL NOTES

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

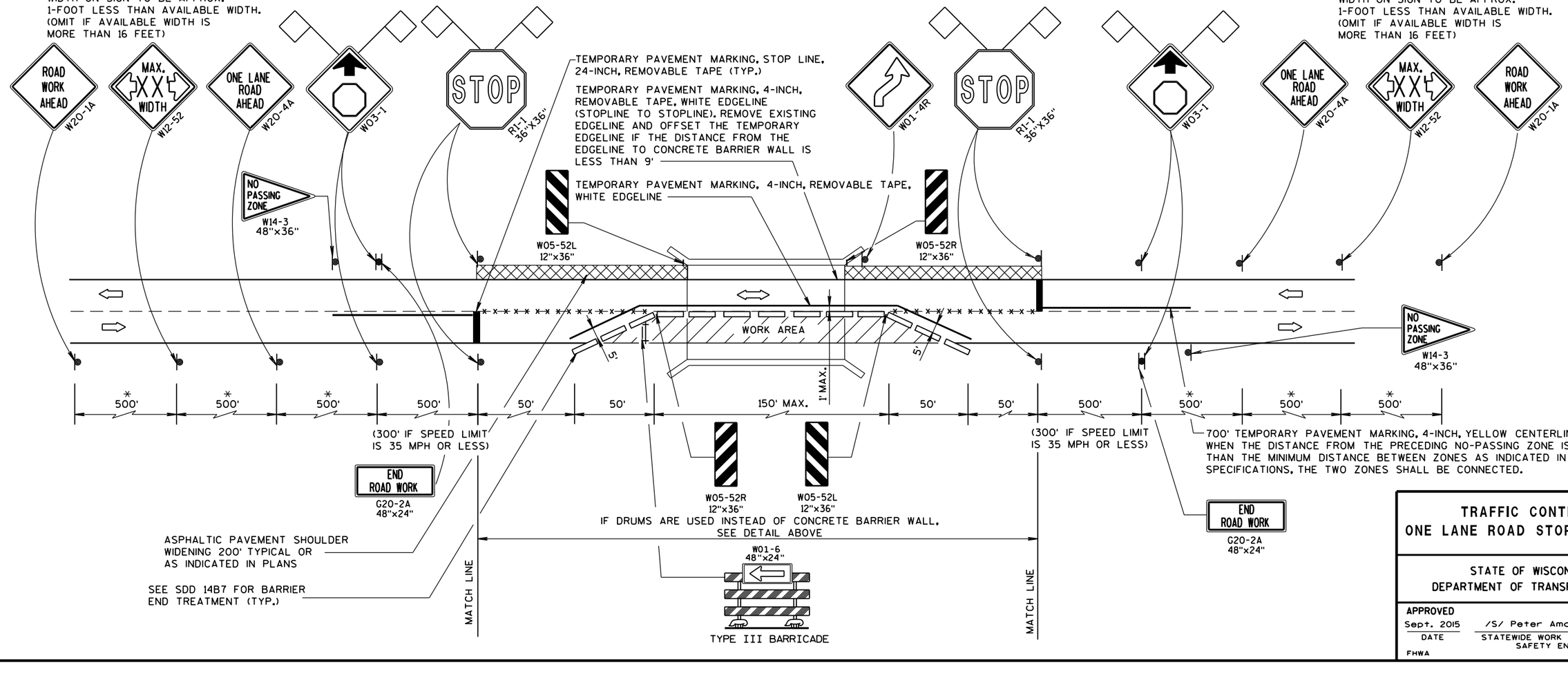
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

* 500-FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350-FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200-FOOT TYPICAL SPACING.

WIDTH ON SIGN TO BE APPROX. 1-FOOT LESS THAN AVAILABLE WIDTH. (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET)



TYPE III BARRICADE

TRAFFIC CONTROL, ONE LANE ROAD STOP CONDITION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2015
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZOI 350 IC
SAFETY ENGIN
FHWA

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S.D.D. 15 D 32-4

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S.D.D. 15 D 32-4

LEGEND

- SIGN ON PERMANENT SUPPORT
- REMOVING PAVEMENT MARKING
- TYPE III BARRICADE WITH ATTACHED SIGN
- CONCRETE BARRIER TEMPORARY PRECAST
- FLAGS, 16" x 16" MIN., (ORANGE)
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- ASPHALTIC PAVEMENT WIDENING
- DIRECTION OF TRAFFIC
- 4" X 6" WOOD POST
- TEMPORARY SIGNAL WITH BACKPLATE AND 12-INCH LENSES ON BREAKAWAY POLE

W057-52
36"x24"

INSTALL ON EACH APPROACH AT THE CLOSEST INTERSECTION WITH A STATE OR COUNTY TRUNK HIGHWAY, OR AS DIRECTED BY THE ENGINEER. WIDTH ON SIGN TO BE APPROX. 1-FOOT LESS THAN AVAILABLE WIDTH. (OMIT IF AVAILABLE WIDTH IS MORE THAN 16 FEET.)

GENERAL NOTES

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

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

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

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

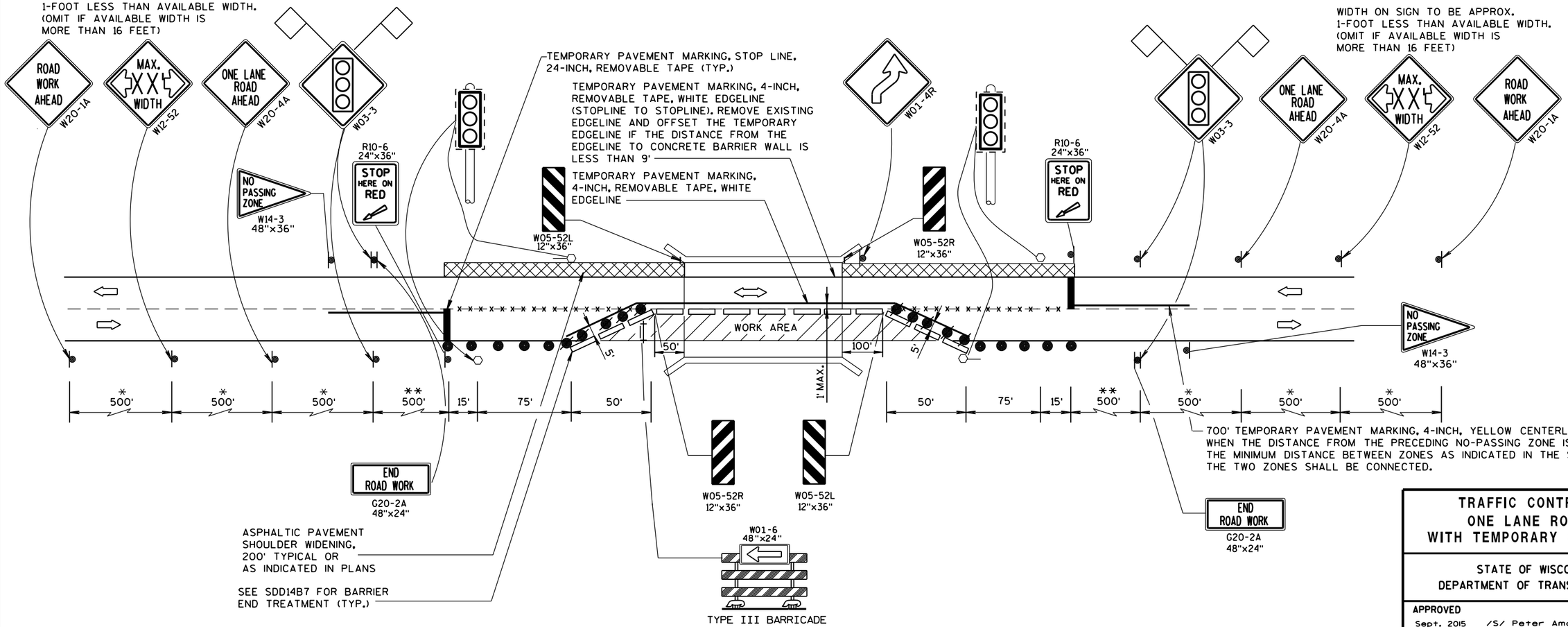
SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

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.

PLACE TEMPORARY PAVEMENT MARKING EDGELINE AND CENTERLINE, AND REMOVE EXISTING PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS OR AS NOTED ON DETAIL.

* 500-FOOT SPACING SHOWN IS FOR ROADWAYS WITH A PRE-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350-FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200-FOOT TYPICAL SPACING.

** USE 300' SPACING IF PRE-CONSTRUCTION REGULATORY SPEED LIMIT IS 35 MPH OR LESS.



TRAFFIC CONTROL, ONE LANE ROAD WITH TEMPORARY SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

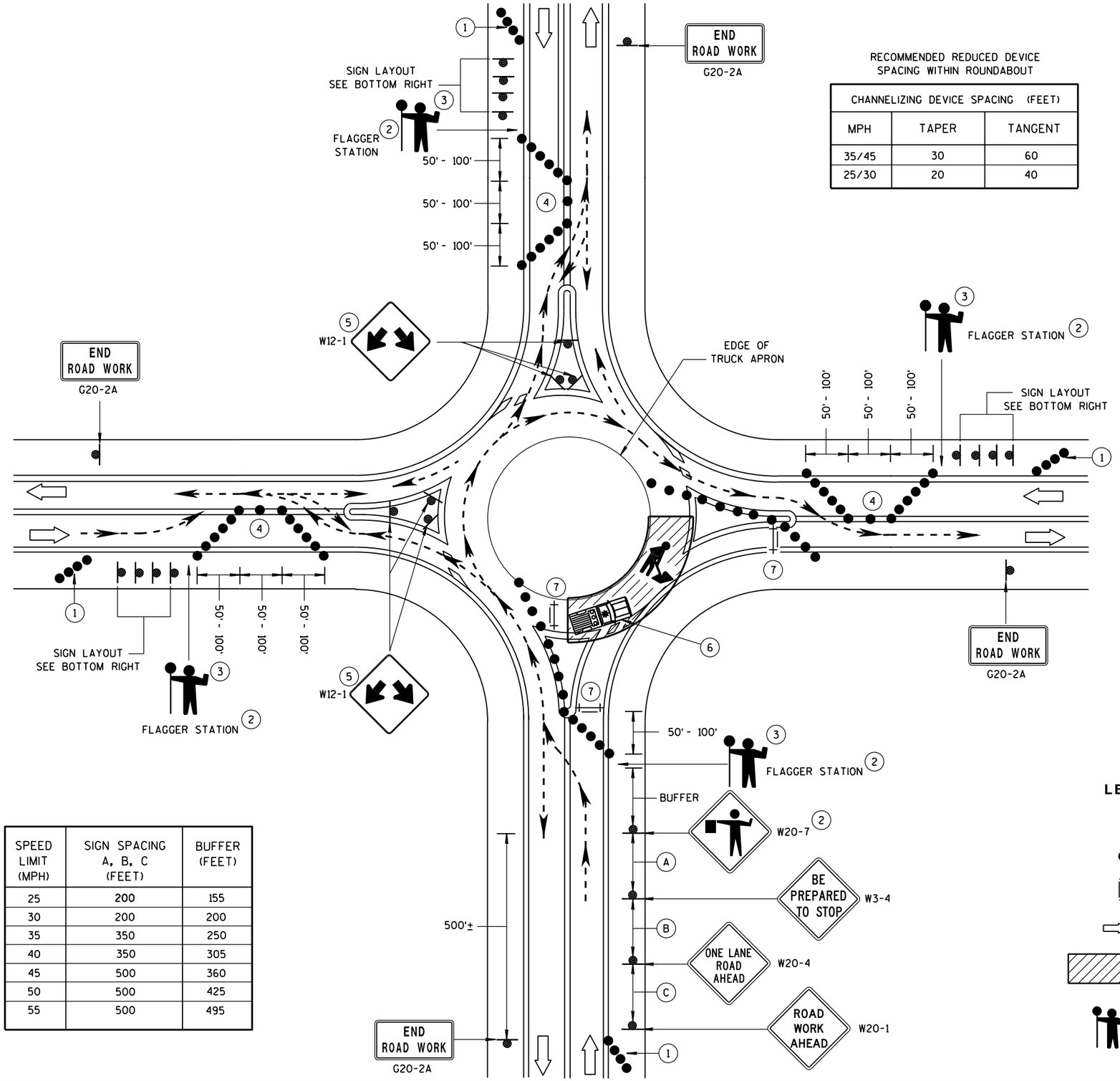
Sept. 2015
DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER

FHWA

S.D.D. 15 D 33-4

S.D.D. 15 D 33-4



RECOMMENDED REDUCED DEVICE SPACING WITHIN ROUNDABOUT

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35/45	30	60
25/30	20	40

SPEED LIMIT (MPH)	SIGN SPACING A, B, C (FEET)	BUFFER (FEET)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

GENERAL NOTES

ALL SIGNS ARE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48"X48" SIGNS IF APPROVED BY THE ENGINEER.

REMOVE OR COVER CONFLICTING SIGNS.

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

RADIO COMMUNICATION SHALL BE USED BY ALL FLAGGERS.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

(1) PLACE A MINIMUM OF 4 DRUMS ON THE SHOULDER IN ADVANCE OF THE PCMS IN A TAPER FOR DELINEATION ON ALL APPROACHES TO THE ROUNDABOUT.

(2) ESTABLISH THE LIMITS OF THE WORK ZONE TO ENSURE THE MAXIMUM POSSIBLE SIGHT DISTANCE TO THE FLAGGER STATION.

(3) FLAGGERS SHALL BE IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

(4) ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.

(5) GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (W12-1) SIGN.

(6) BUFFER VEHICLE RECOMMENDED TO SHEILD WORK AREA.

(7) TYPE III BARRICADES WITH ROAD CLOSED SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

TRAFFIC CONTROL, 2-LANE ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3-2014 DATE
/S/ Travis Feltes STATE TRAFFIC ENGINEER
352 SIGN
FHWA

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S.D.D. 15 D 37-1

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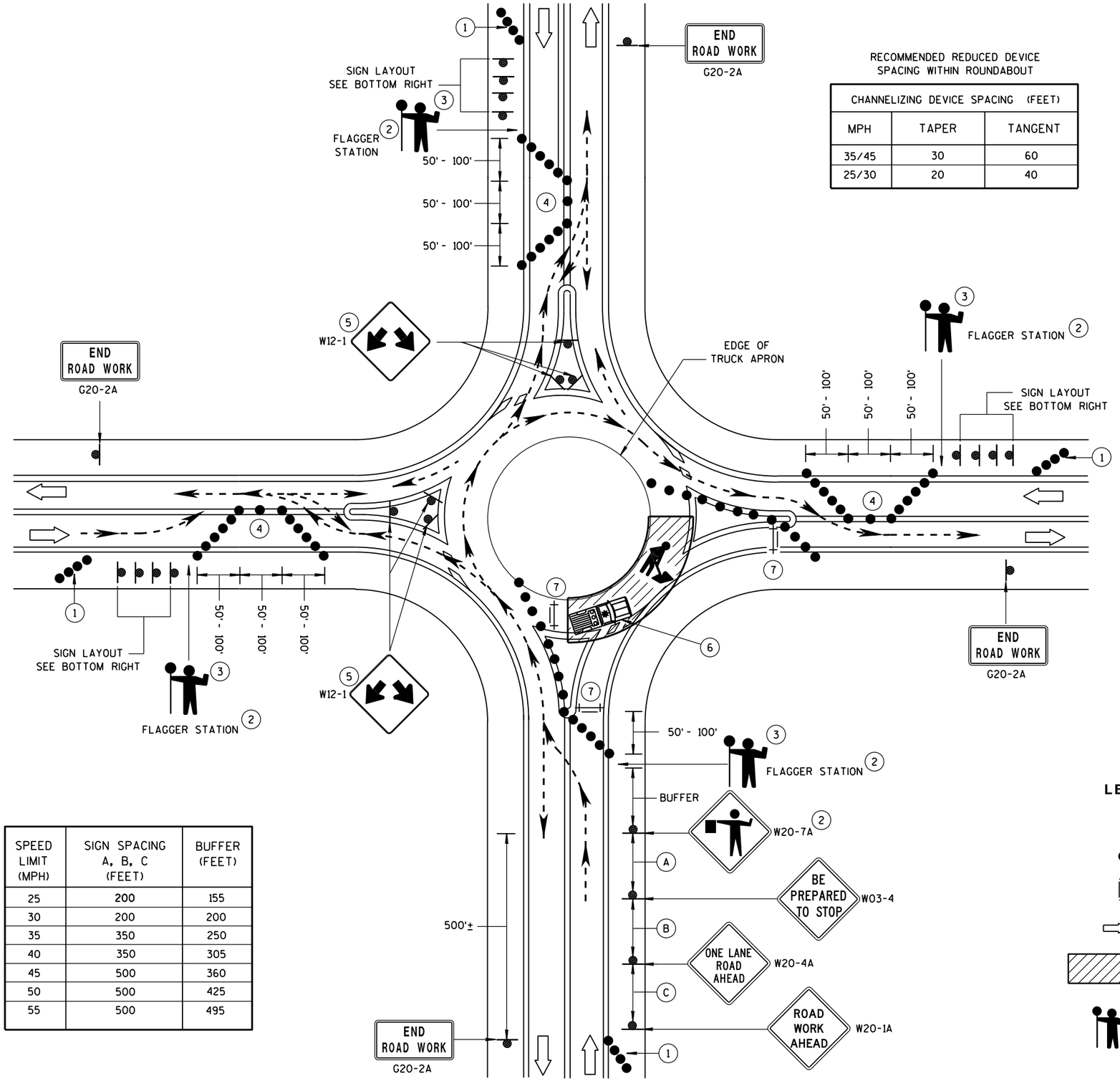
S.D.D. 15 D 37-1



RECOMMENDED REDUCED DEVICE SPACING WITHIN ROUNDABOUT

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
35/45	30	60
25/30	20	40

SPEED LIMIT (MPH)	SIGN SPACING A, B, C (FEET)	BUFFER (FEET)
25	200	155
30	200	200
35	350	250
40	350	305
45	500	360
50	500	425
55	500	495

GENERAL NOTES

ALL SIGNS ARE 48"x48" BLACK ON ORANGE UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48"X48" SIGNS IF APPROVED BY THE ENGINEER.

REMOVE OR COVER CONFLICTING SIGNS.

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

ONLY ONE QUADRANT OF TRAFFIC SHALL BE RELEASED AT A TIME.

FLAGGERS SHALL CONTROL TRAFFIC ON ALL APPROACHES OF THE ONE-LANE ROUNDABOUT. ONE FLAGGER SHALL BE DESIGNATED LEAD FLAGGER.

RADIO COMMUNICATION SHALL BE USED BY ALL FLAGGERS.

NIGHT TIME WORK REQUIRES ADDITIONAL LIGHTING AT FLAGGER STATION(S).

(1) PLACE A MINIMUM OF 4 DRUMS ON THE SHOULDER IN ADVANCE OF THE PCMS IN A TAPER FOR DELINEATION ON ALL APPROACHES TO THE ROUNDABOUT.

(2) ESTABLISH THE LIMITS OF THE WORK ZONE TO ENSURE THE MAXIMUM POSSIBLE SIGHT DISTANCE TO THE FLAGGER STATION.

(3) FLAGGERS SHALL BE IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

(4) ADJUST CHANNELIZING DEVICES TO ACCOMMODATE FOR TURNING RADIUS OF LARGE VEHICLES AS DIRECTED BY THE ENGINEER.

(5) GUIDE SIGN WITH ROAD NAMES MAY BE USED IN LIEU OF THE DOUBLE ARROW (W12-1) SIGN.

(6) BUFFER VEHICLE RECOMMENDED TO SHEILD WORK AREA.

(7) TYPE III BARRICADES WITH ROAD CLOSED SIGN.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE WITH ATTACHED SIGN
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

TRAFFIC CONTROL, 2-LANE ROUNDABOUT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

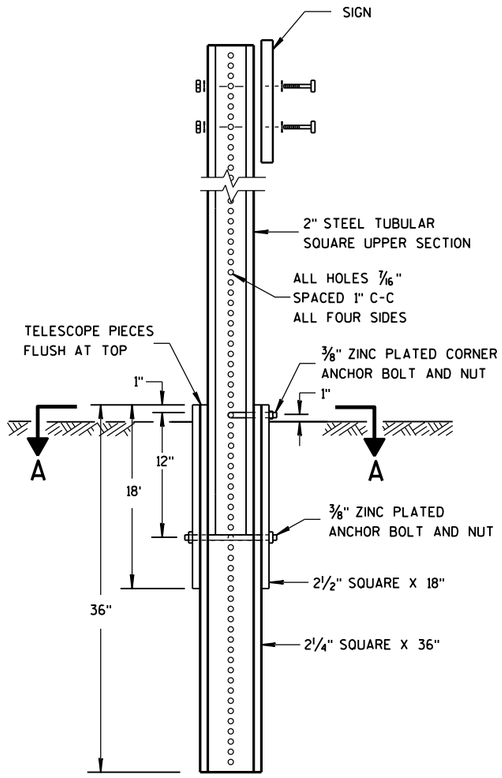
APPROVED
June 2016
DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

6

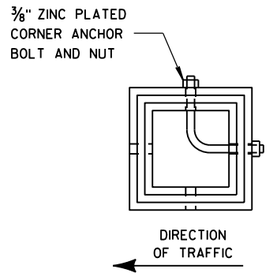
S.D.D. 15 D 37-2

6

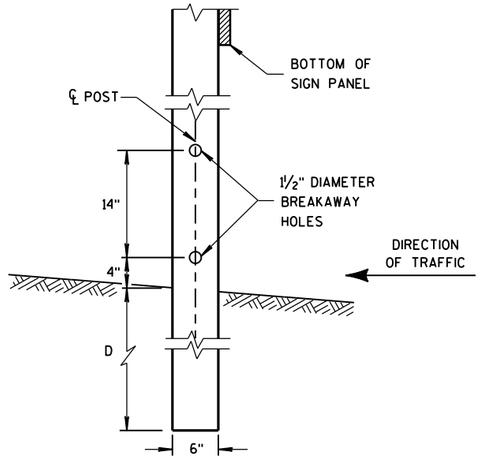
S.D.D. 15 D 37-2



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



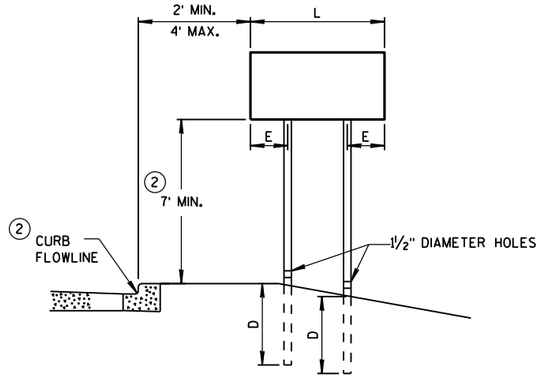
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

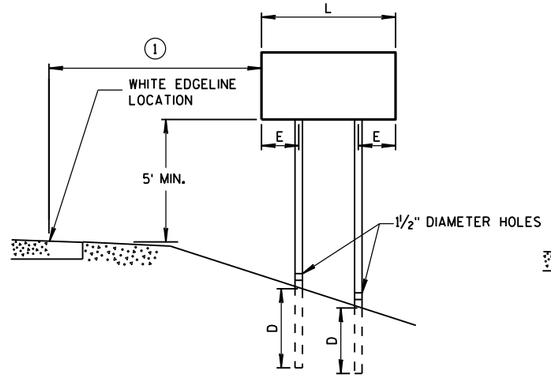
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

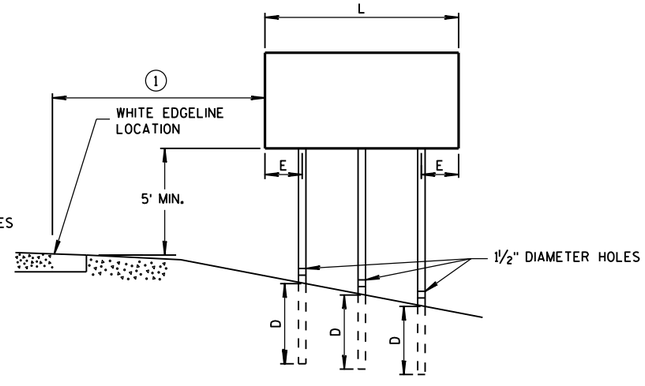
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK 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

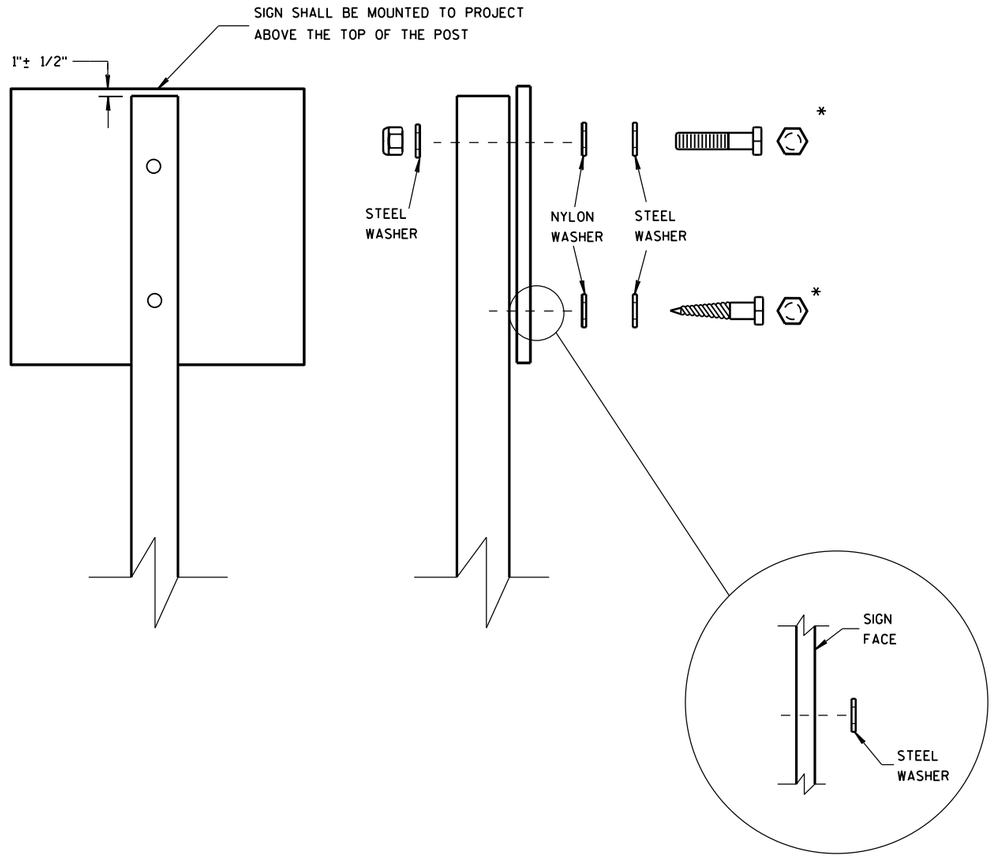
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPO

6

S.D.D. 15 D 38-1a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-1b

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

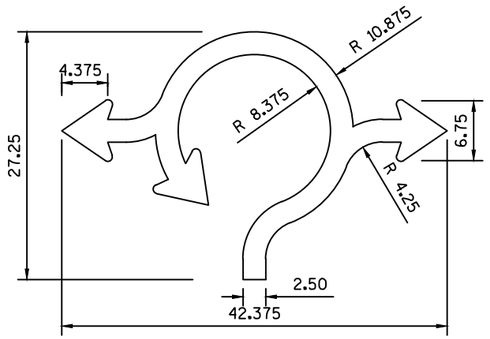
APPROVED

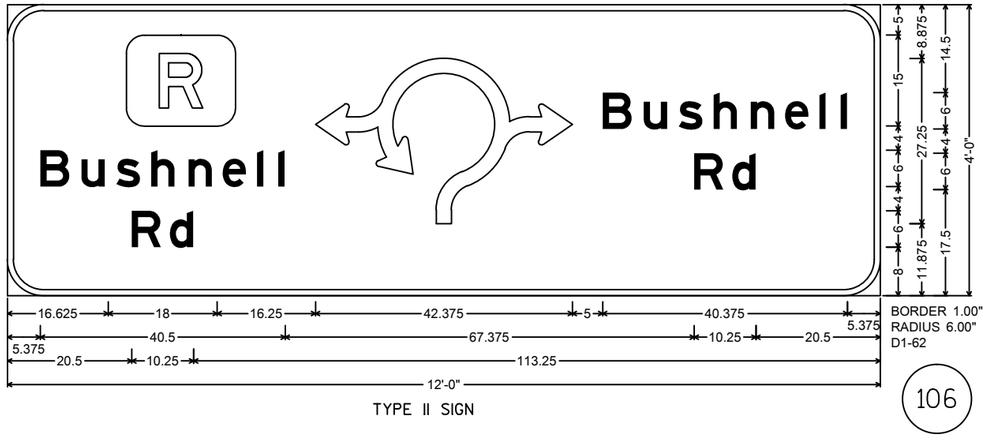
Feb. 2015 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

SIGN





TYPE II SIGN

106

GENERAL NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.
2. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET ARE "SIGNS, TYPE I".
3. UNLESS OTHERWISE NOTED, TYPE II SIGNS ON THIS SHEET SHALL HAVE "TYPE H REFLECTIVE SHEETING" AND "TYPE H MESSAGE MATERIAL". TYPE I SIGNS SHALL HAVE "TYPE SH REFLECTIVE SHEETING".
4. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE A GREEN BACKGROUND AND WHITE MESSAGE.
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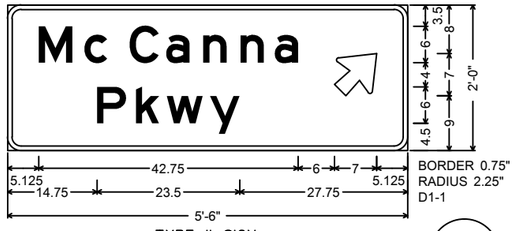
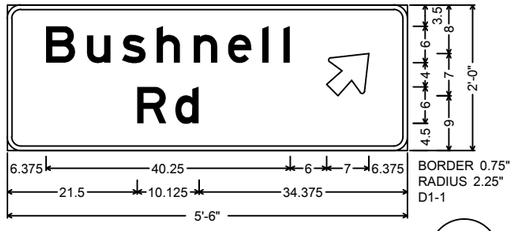
7. UNLESS OTHERWISE NOTED, ALL SIGNS SHOWN ON THIS SHEET SHALL HAVE "TYPE A" OR "TYPE C" ARROWS AS SHOWN. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS.
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.



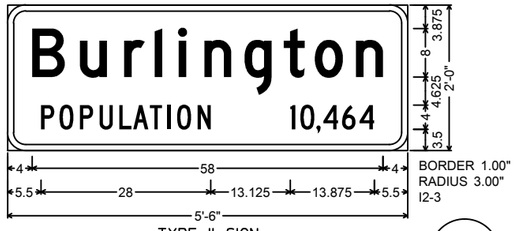
TYPE II SIGN

69



TYPE II SIGN

48



TYPE II SIGN

8

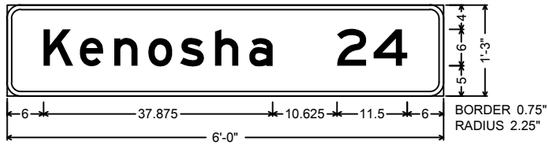
SHEET 1 OF 3

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGN DETAIL - TYPE II SIGNS	SHEET 356	E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\070101_MS.DWG
LAYOUT NAME - 070101_MS

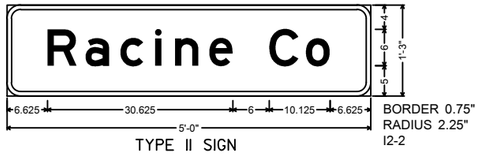
PLOT DATE : 9/27/2016 10:48 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET



TYPE II SIGN

22



TYPE II SIGN

222

TYPE II SIGN

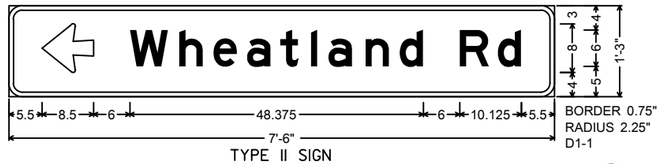
196

TYPE II SIGN

162

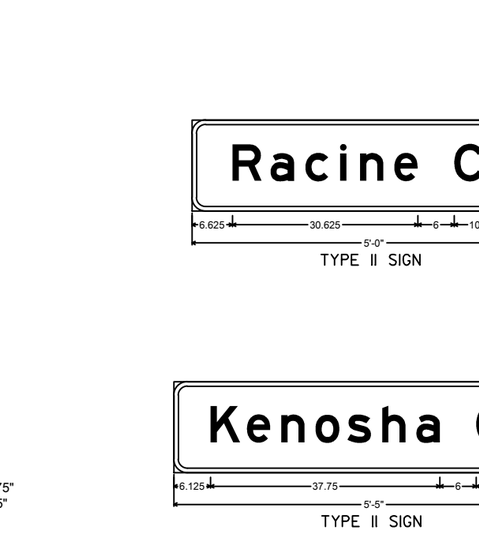
TYPE II SIGN

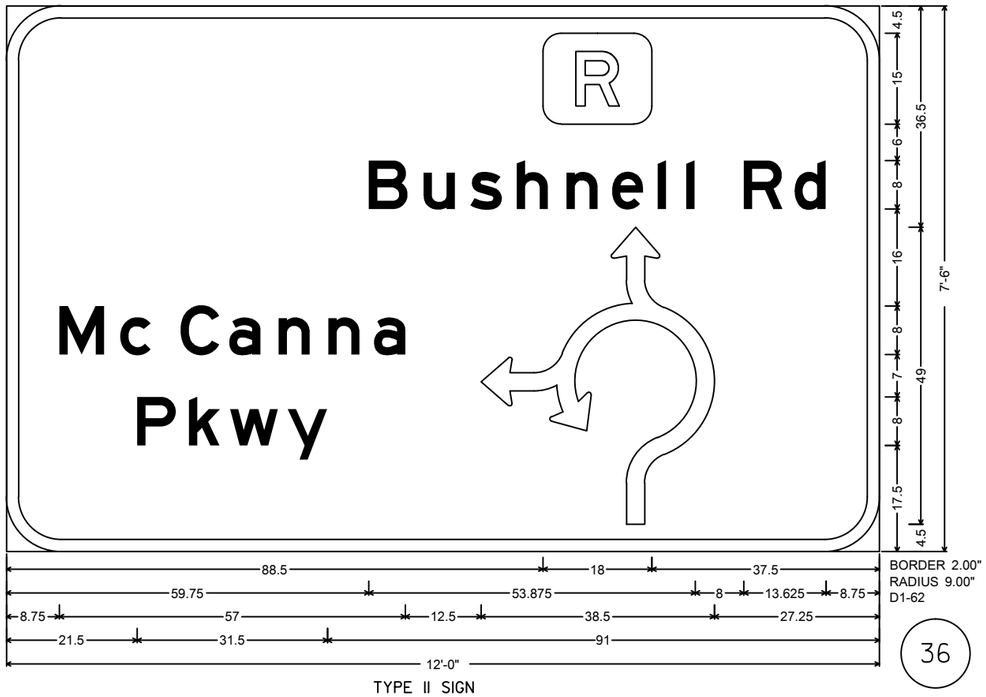
236



TYPE II SIGN

207





TYPE II SIGN

36

GENERAL NOTES:

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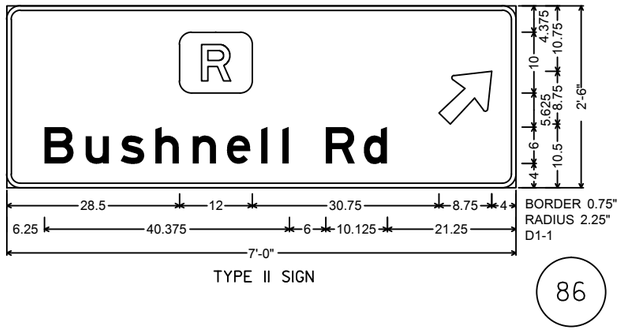
8. SEE THE STANDARD SIGN PLATES FOR FURTHER DETAILS ON ROUTE MARKER SHIELDS.
9. THE SIGN NUMBER IS DENOTED IN THE CIRCLE NEAR EACH DETAIL.
10. NUMBER FRACTIONS FOR INTERCHANGE SEQUENCE SIGNS SHALL BE "SERIES E" PER PLATES A11-7 AND A11-10.

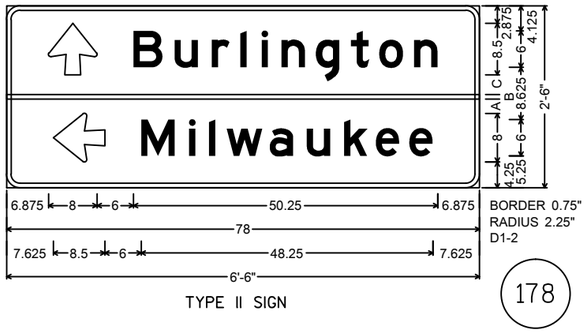
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGN DETAIL - TYPE II SIGNS	SHEET 357 E

FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\070101_MS.DWG
LAYOUT NAME - 070102_MS
PLOT DATE : 9/27/2016 10:48 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET



TYPE II SIGN

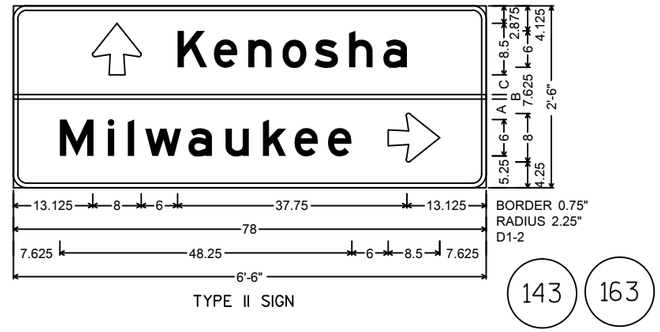
86



TYPE II SIGN

178

A = 2.375
B = 0.75
C = 3.25



TYPE II SIGN

143 163

A = 3.375
B = 0.75
C = 3.25

GENERAL NOTES:

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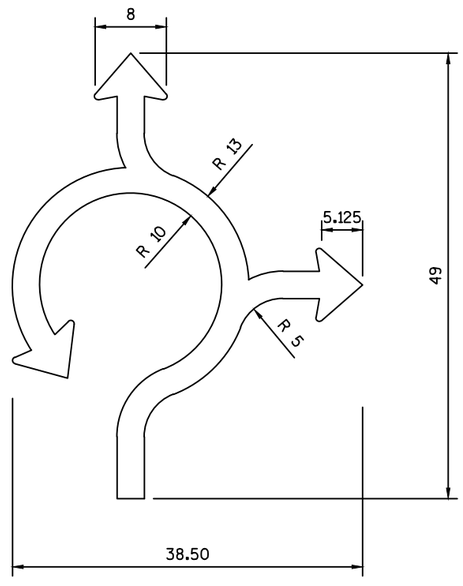
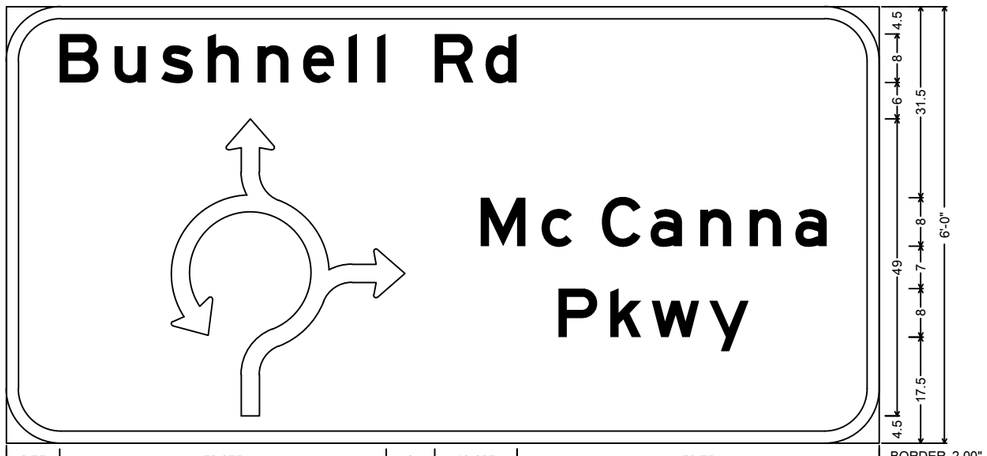




TYPE II SIGN

120

SHEET 3 OF 3

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	SIGN DETAIL - TYPE II SIGNS	SHEET 358	E

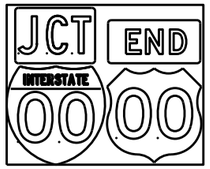
FILE NAME : N:\PDS\C3D\CAD\33700500\SIGN\070101_MS.DWG
LAYOUT NAME - 070103_MS

PLOT DATE : 9/27/2016 10:48 AM PLOT BY : DODGE, BRIAN M PLOT NAME : PLOT SCALE : 1 IN:50 FT

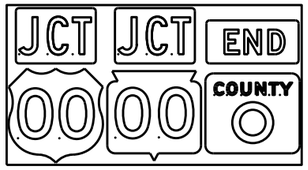
WISDOT/CADDS SHEET

TYPICAL ASSEMBLIES

J1-1

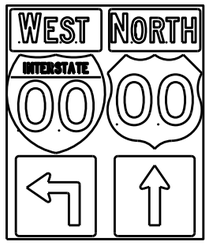


J1-2

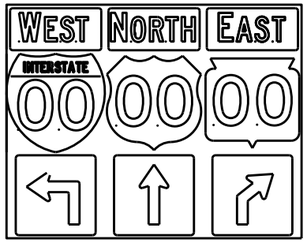


J1-3

J2-1



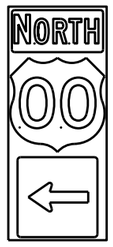
J2-2



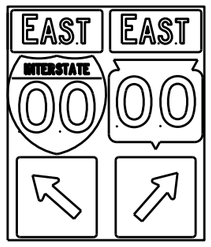
J2-3

JV

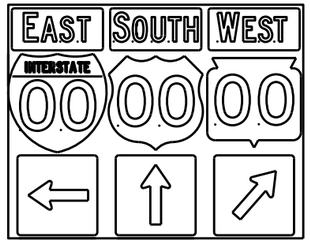
(Typical Vertical J-Assembly
See Note 10 and 11)



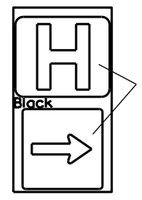
J3-1



J3-2



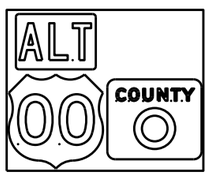
J3-3



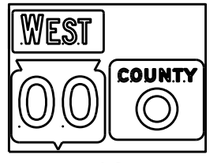
Blue Background

JH-1

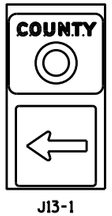
J4-1



J4-2



J4-2



J13-1

J12-1

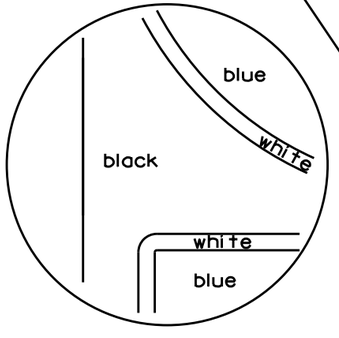
J32-1

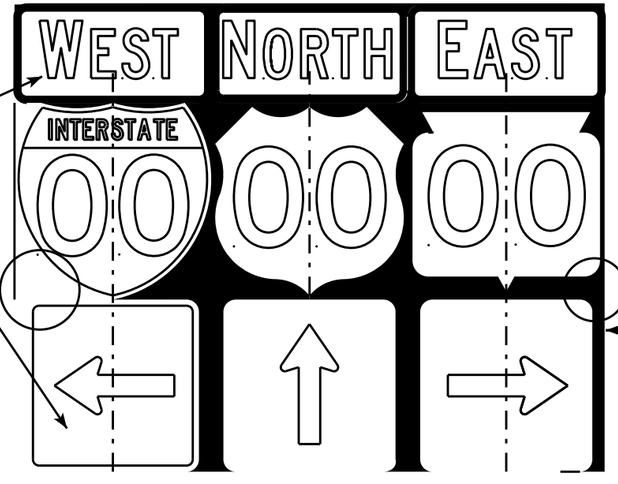
J33-1

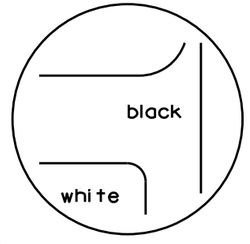
J23-1

J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 2/06/14 PL... A2-1S.8

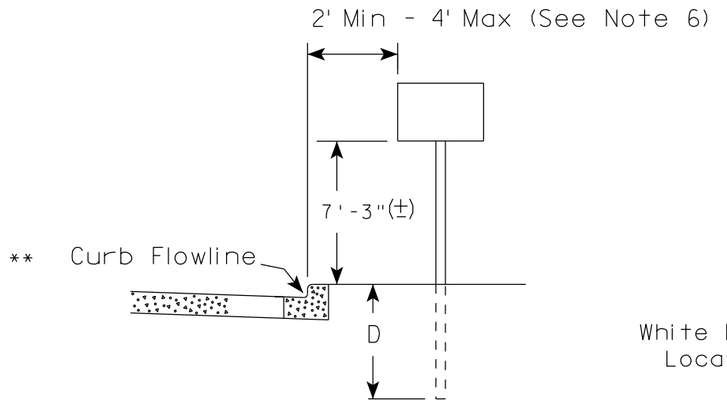
PROJECT NO:

SHEET NO: E

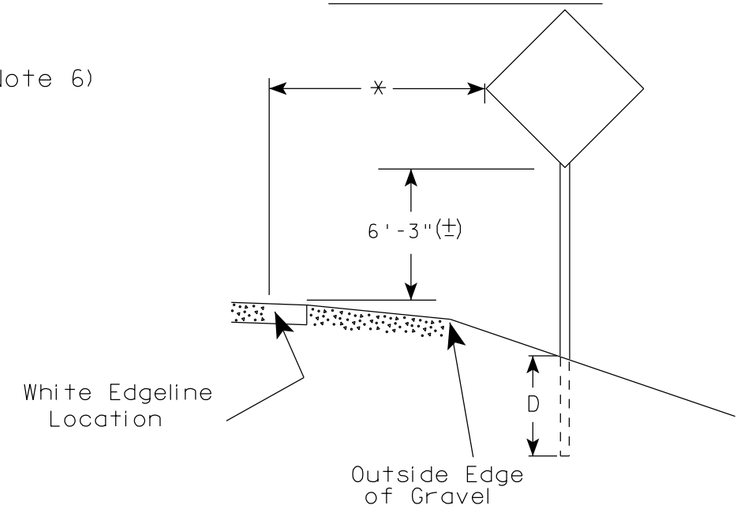
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

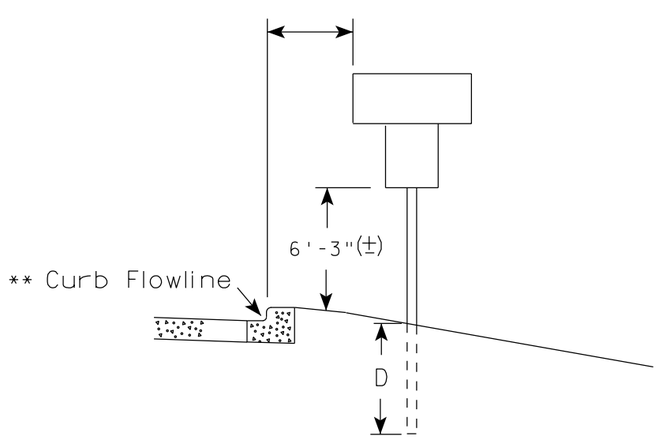
WISDOT/CADDS SHEET 42

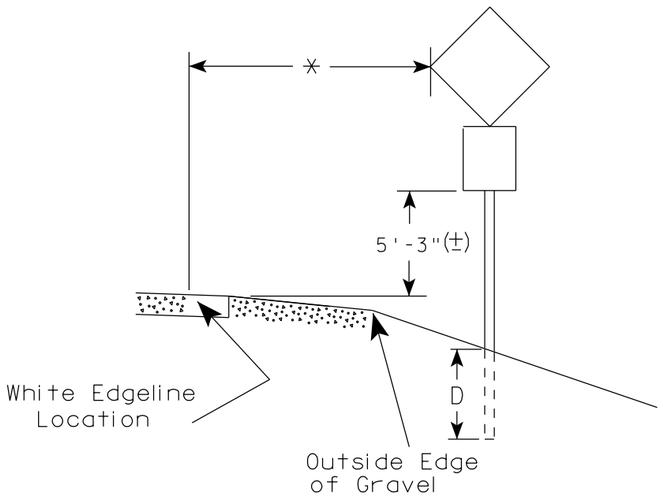
URBAN AREA



RURAL AREA (See Note 2)







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 barrier wall, see A4-10 sign plate.
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 J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. 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), 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" (±).

POST EMBEDMENT DEPTH

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

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

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

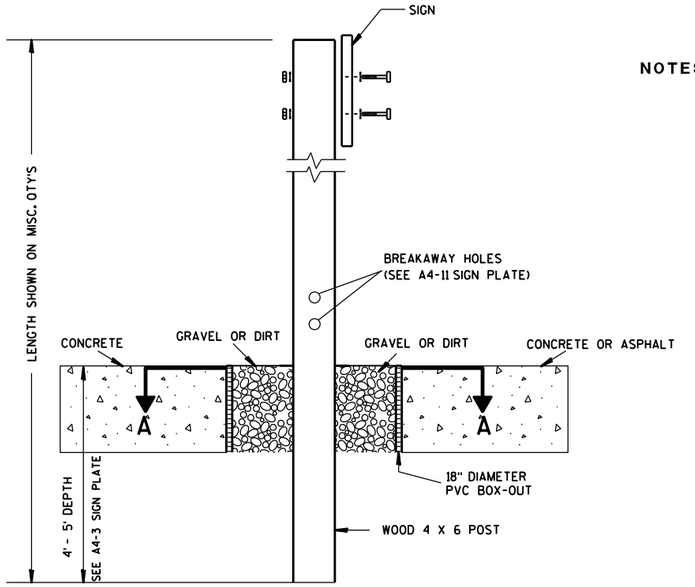
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

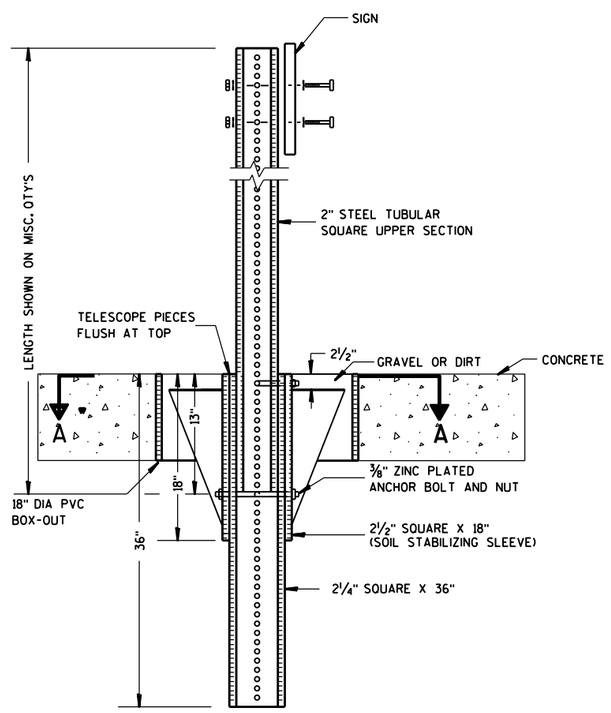
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



ELEVATION VIEW

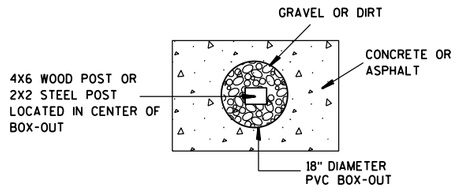
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

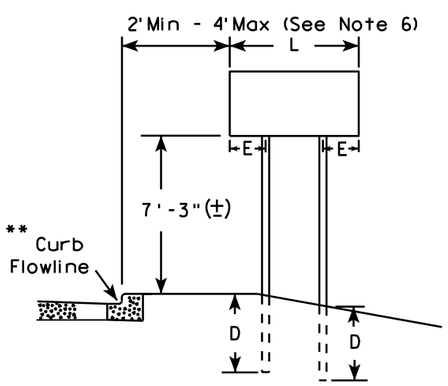
APPROVED Matthew R Rauch
for State Traffic Engineer

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

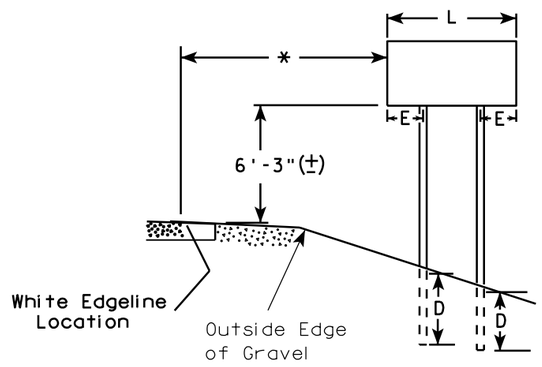
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

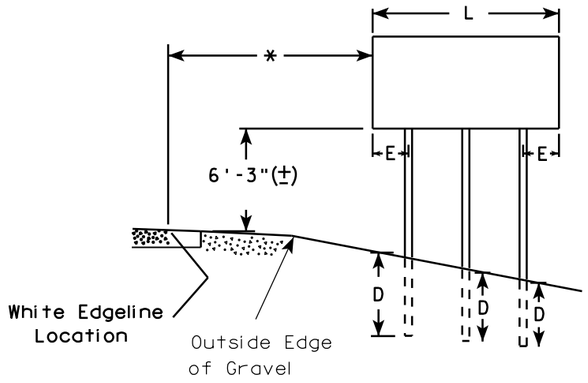
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

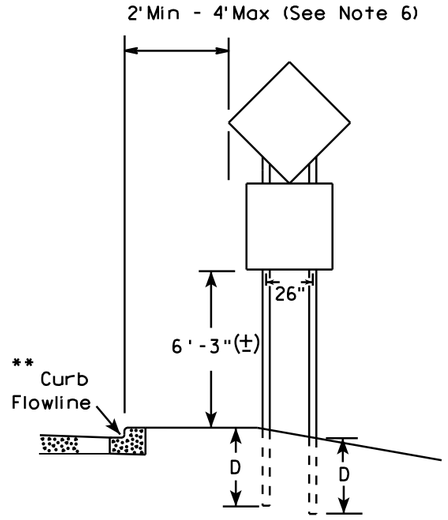
URBAN AREA



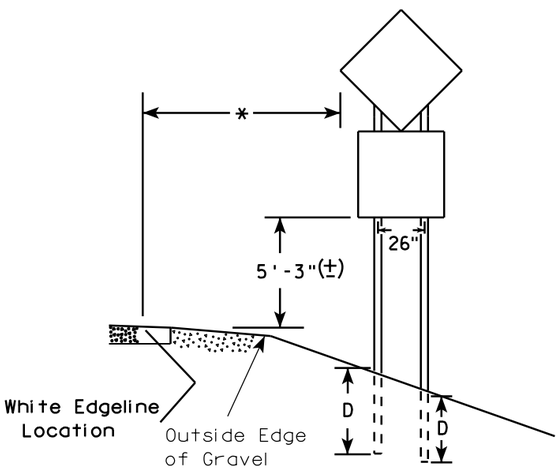
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 120"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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

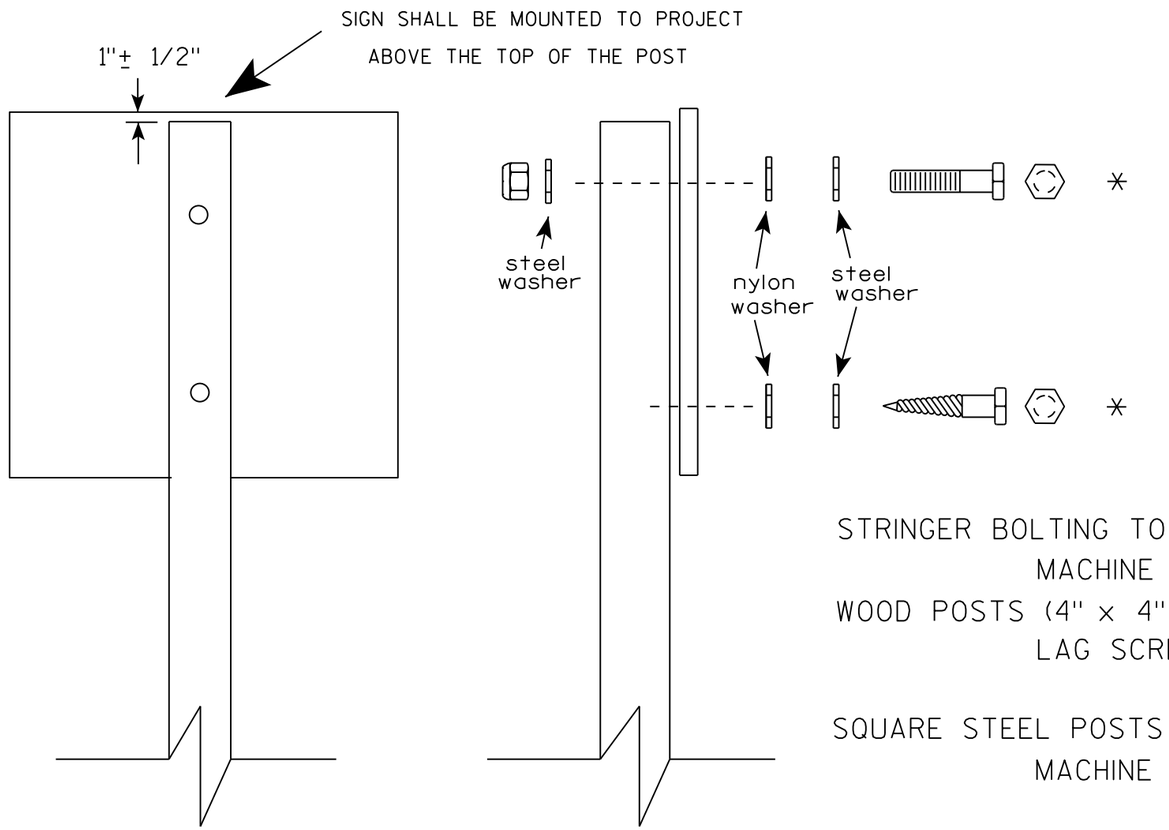
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-4 14

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 23-JUL-2015 15:23 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

WISDOT/CADDS SHEET 42



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 4" or 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

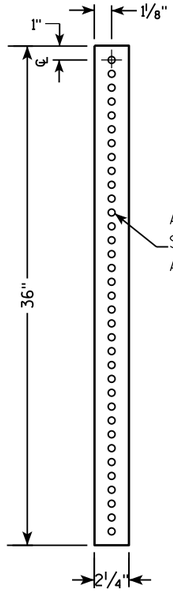
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

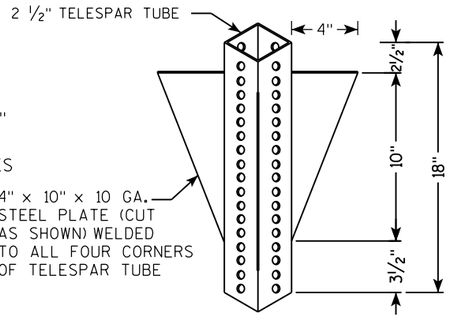
FILE NAME : C:\CADfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

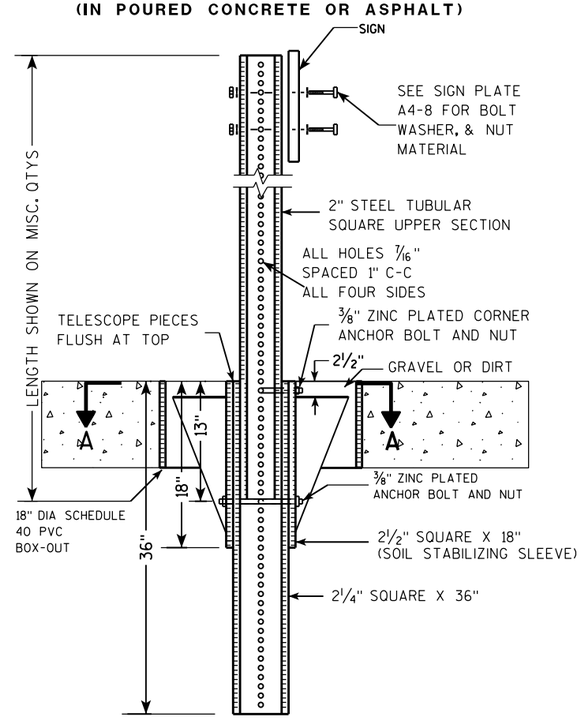
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



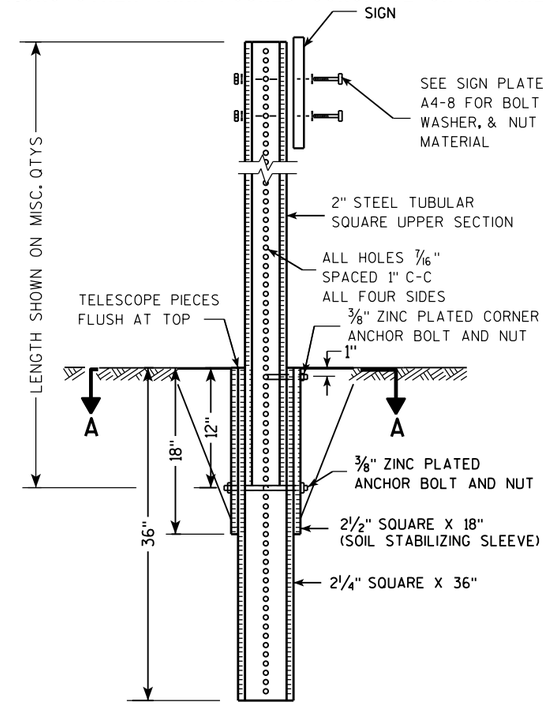
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

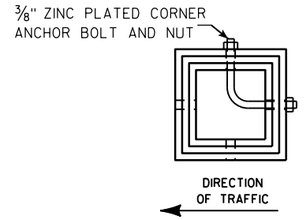


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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).

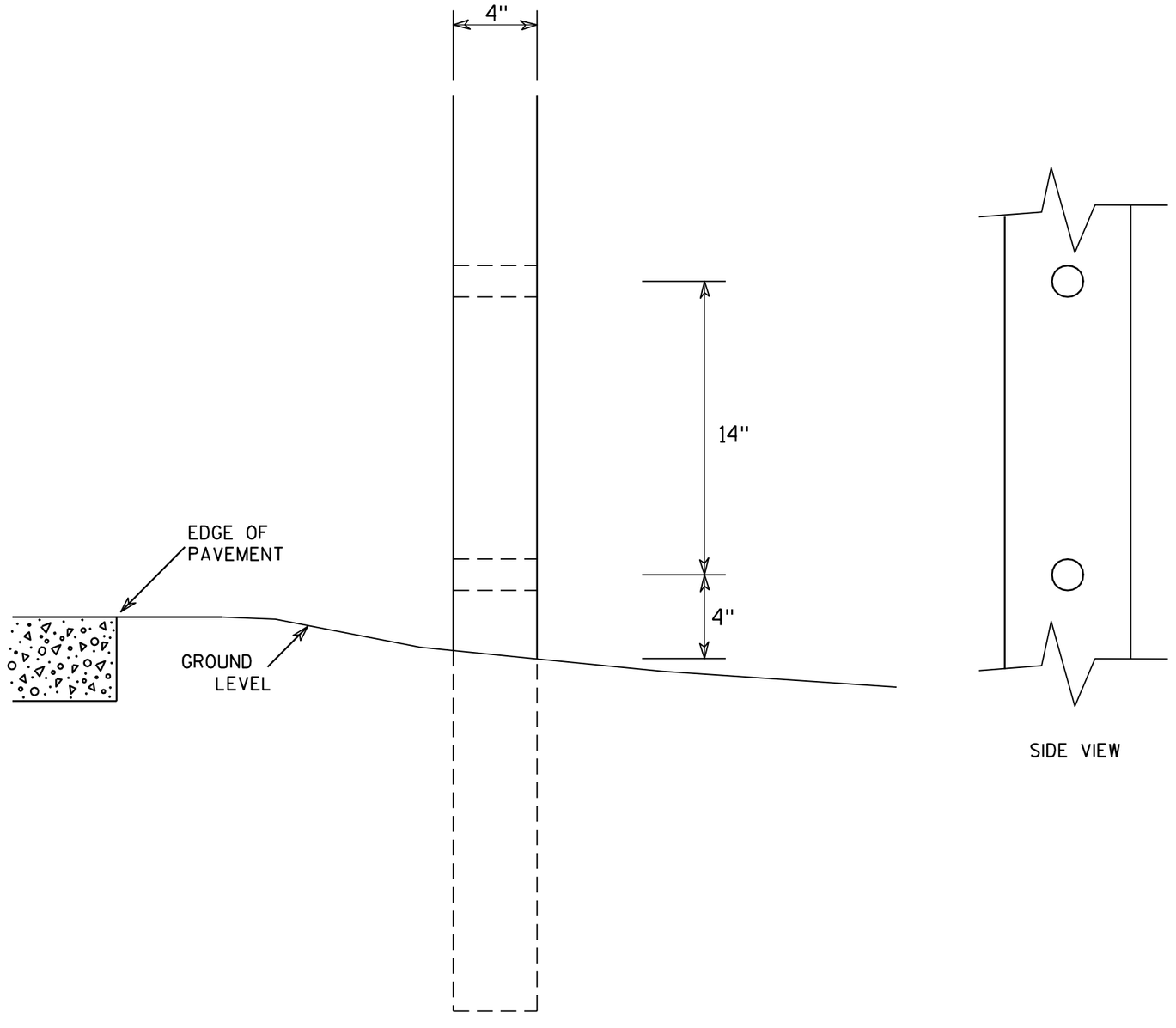
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 364 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.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

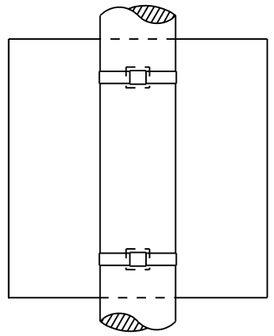
APPROVED Chester J Spang
for State Traffic Engineer

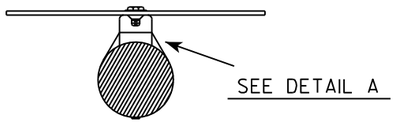
DATE 3/27/97 PLATE NO. A4-11.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 365	E

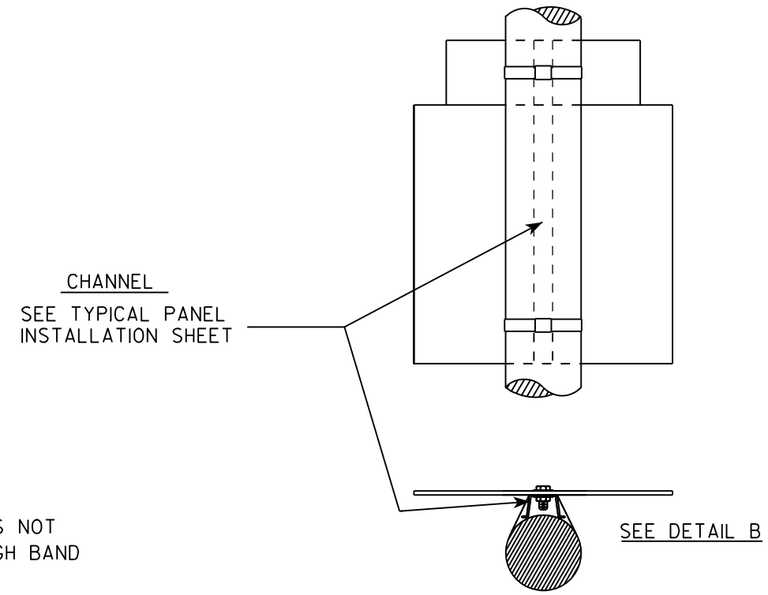
BANDING

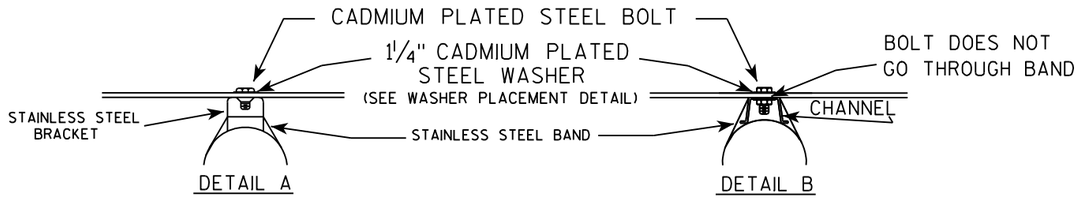
SINGLE SIGN



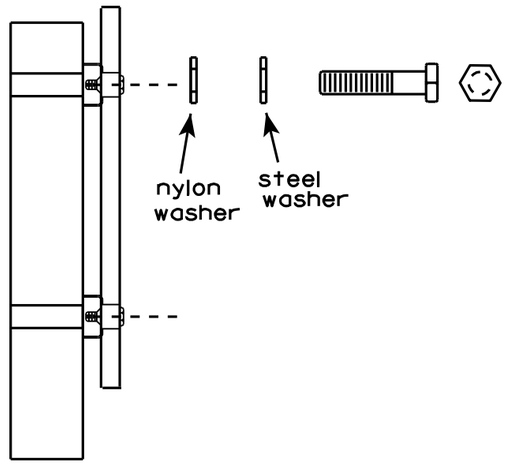


"J" ASSEMBLY





WASHER PLACEMENT



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

GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be 3/4" in width and 0.025" thickness.

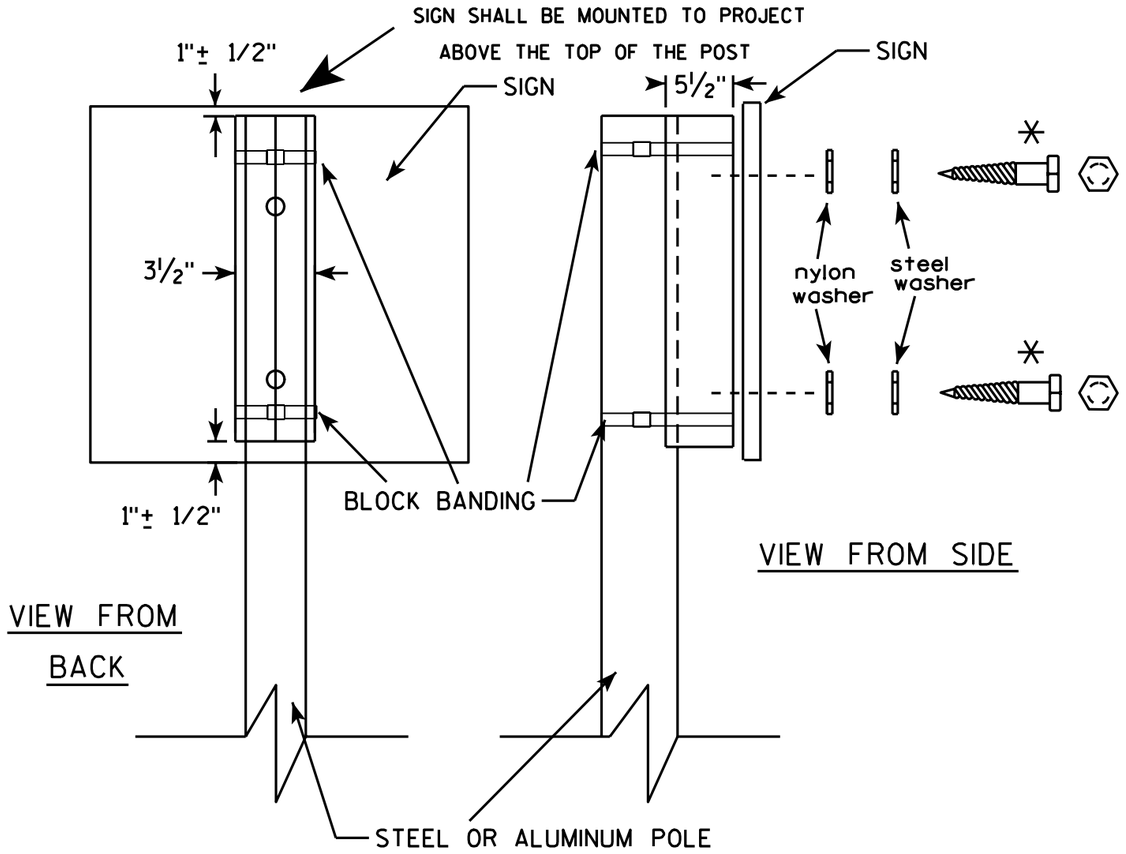
STANDARD SIGN
SIGN BANDING DETAILS

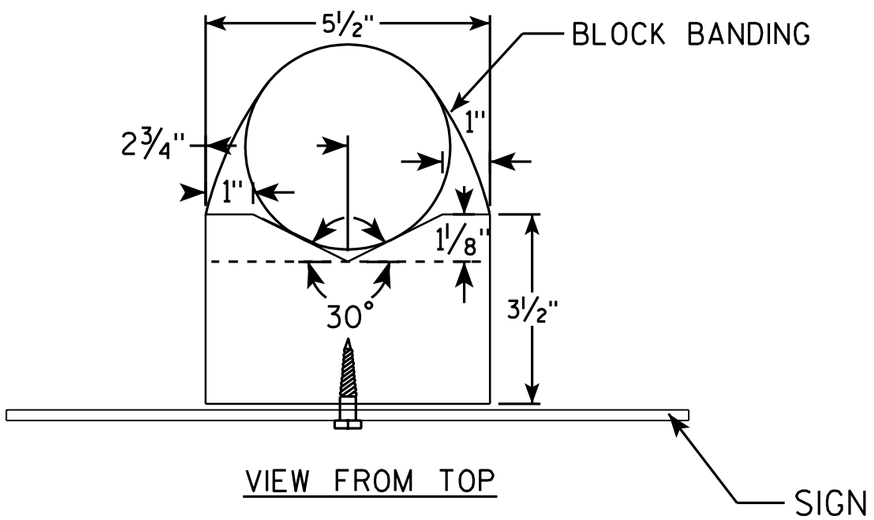
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 366	E





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D, or
   b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
   c. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

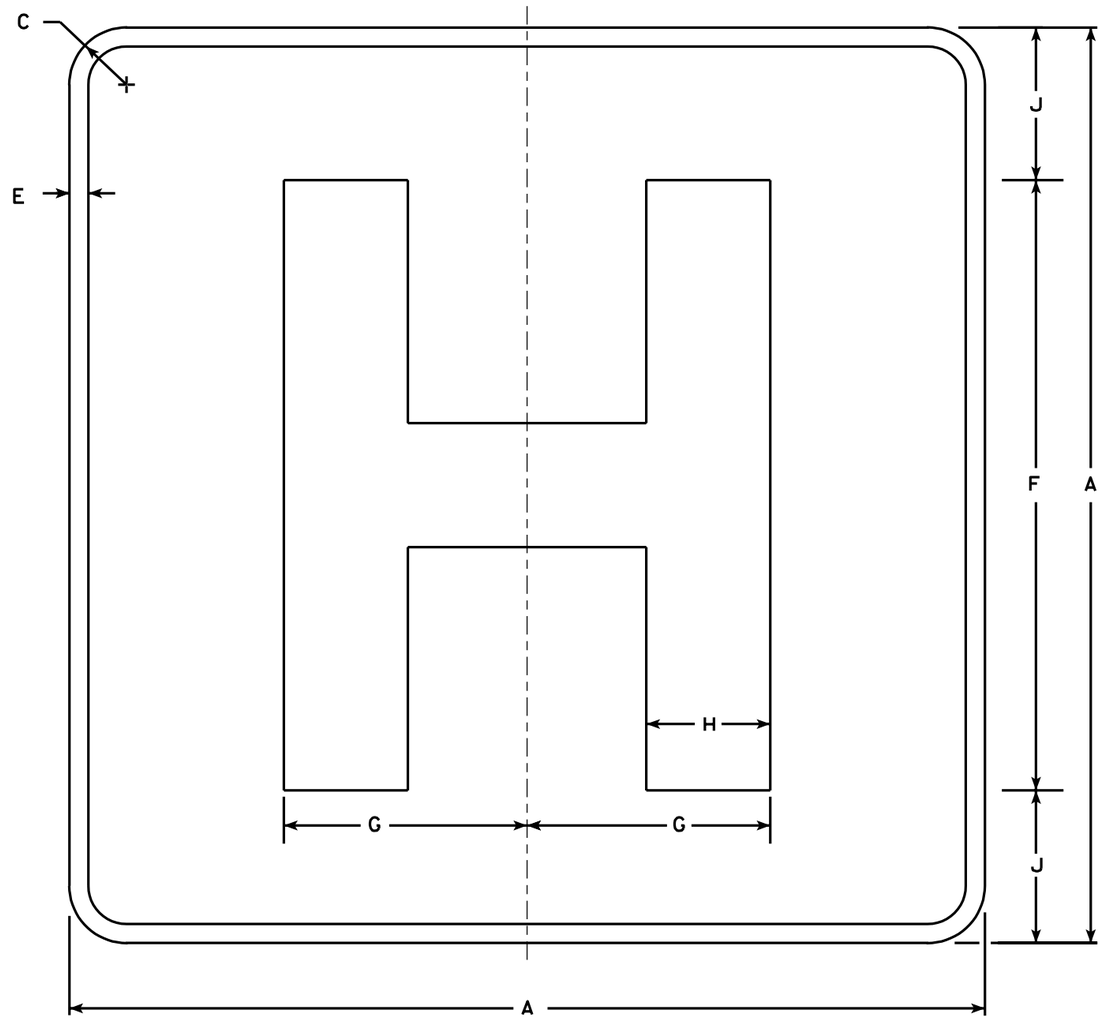
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 367 E

FILE NAME : C:\Users\Projects\tr_stdplate\A510.dgn PLOT DATE : 06-AUG-2007 13:37 PLOT BY : ditjph

WISDOT/CADDS SHEET 42



D9-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Blue
   Message - White - Type H Reflective
3. Message Series - E Modified
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	450 mmX 450 mm
2	600 mmX 600 mm
3	900 mmX 900 mm
4	X
5	X

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18		1 1/8		1/2	12	4 3/4	2 3/8		3																	4.0
2	24		1 1/2		1/2	16	6 3/8	3 1/4		4																	4.0
3	36		2 1/4		3/4	24	9 1/2	4 7/8		6																	9.0
4																											
5																											

STANDARD SIGN
D9-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spong for State Traffic Engineer

DATE 1/15/02 PLATE NO. D9-2.4

PROJECT NO:

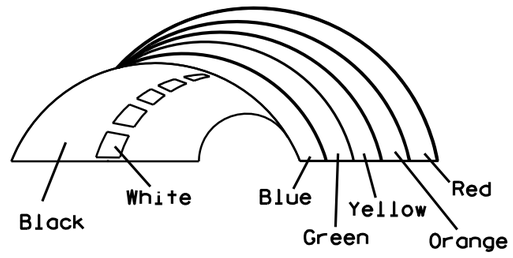
SHEET NO: 368 E

* VARIES

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 - (See Note 6)
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. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

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	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

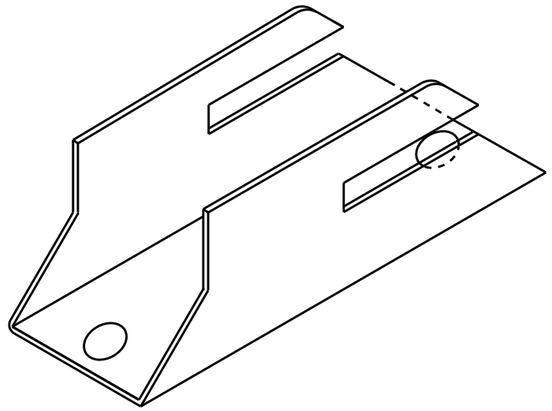
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

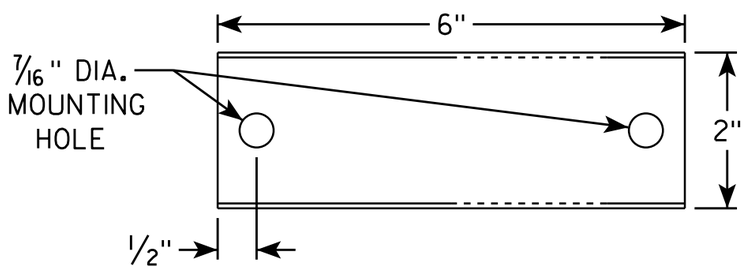
DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 369

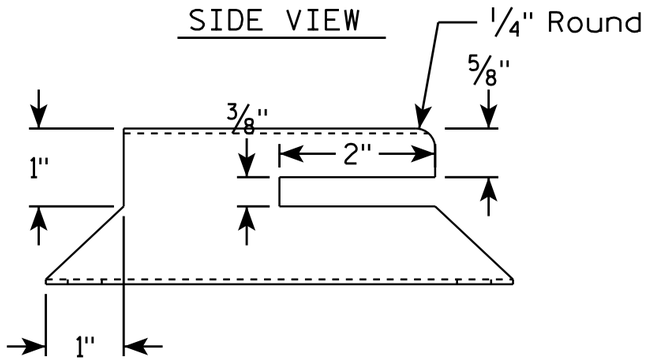
ISOMETRIC VIEW



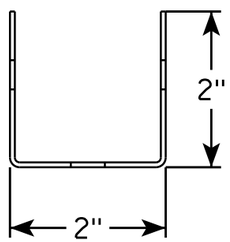
TOP VIEW



SIDE VIEW



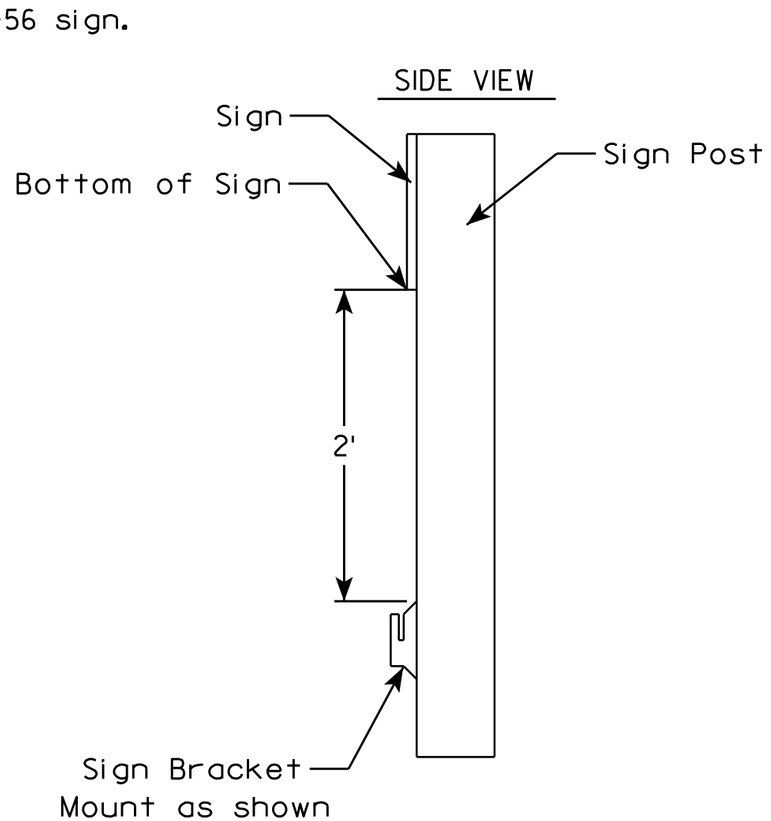
END VIEW



NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

SIDE VIEW



ROLLUP SIGN BRACKET
I55-56B

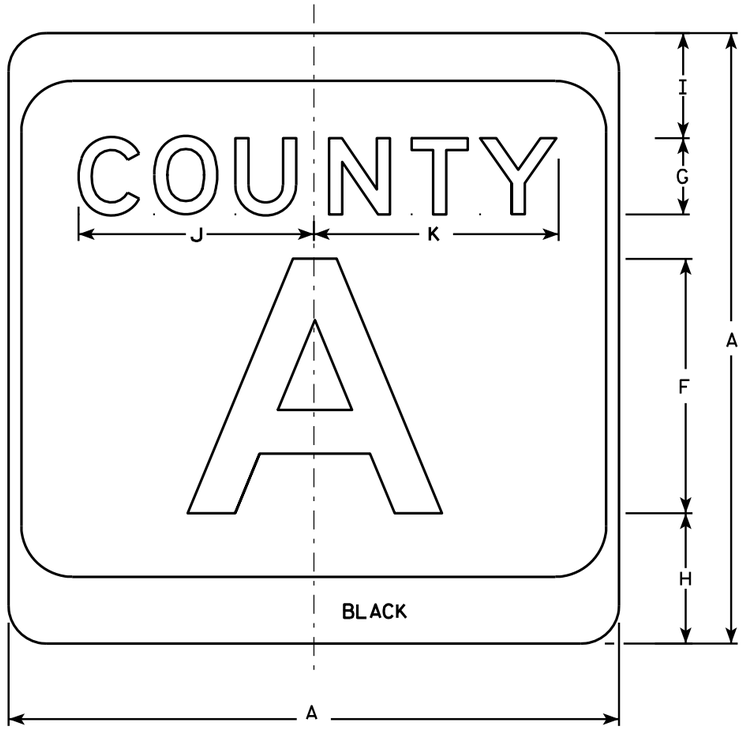
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

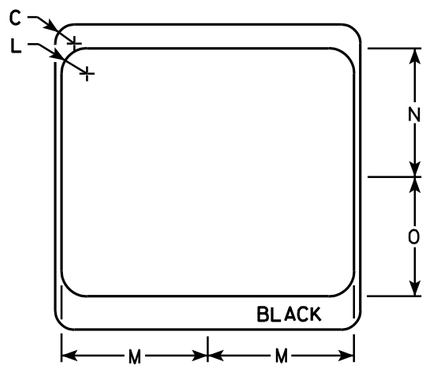
DATE 4/26/16 PLATE I55-56B.2

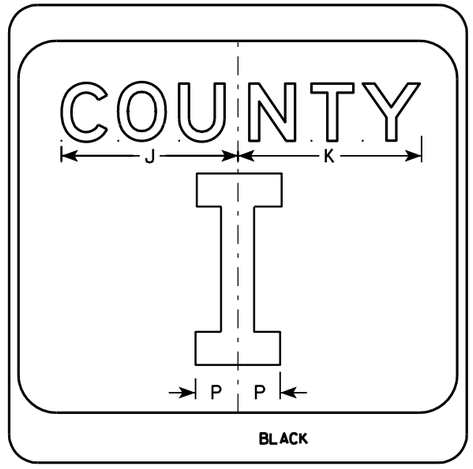
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

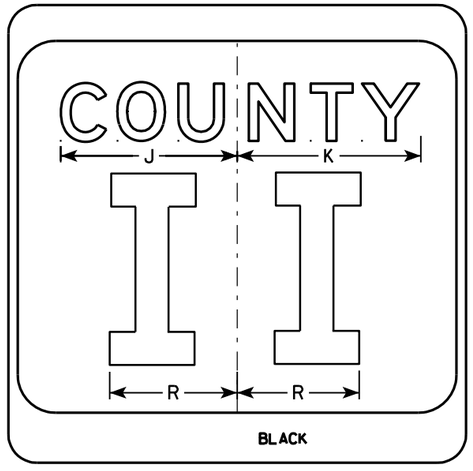
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\I5556B.DGN PLOT DATE : 26-APR-2016 17:29 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 1.945842:1.000000 WISDOT/CADDS SHEET 42



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   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. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or 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		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

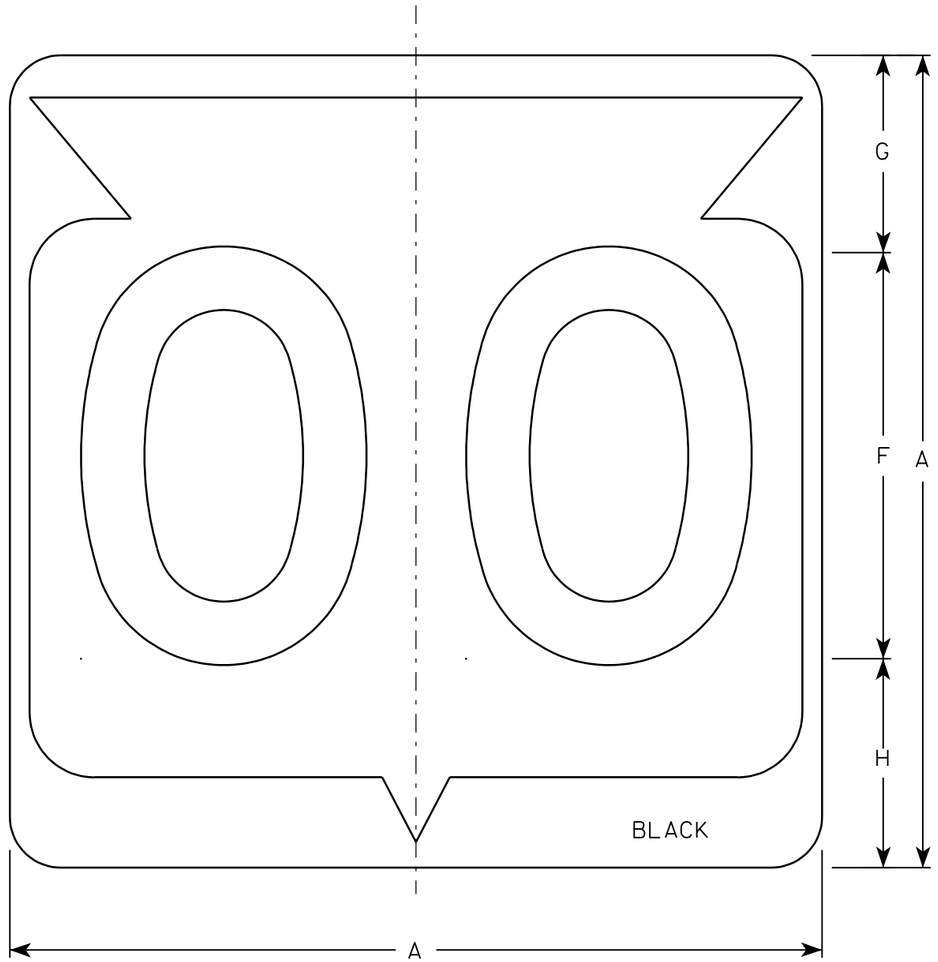
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

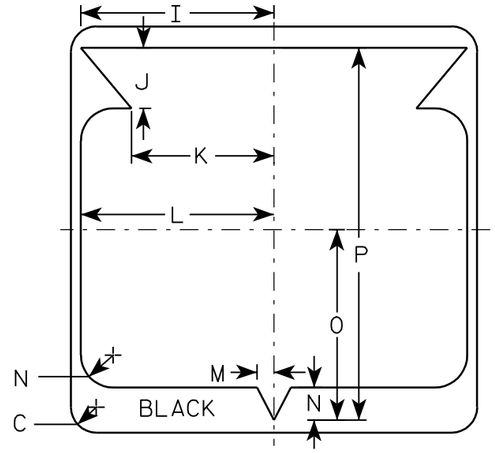
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 371	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



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 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	.36
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	.81
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	.81
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	.81

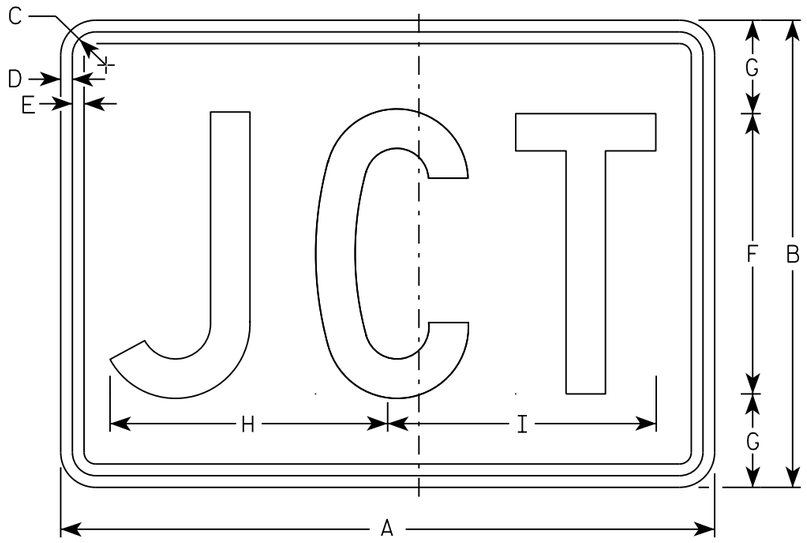
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

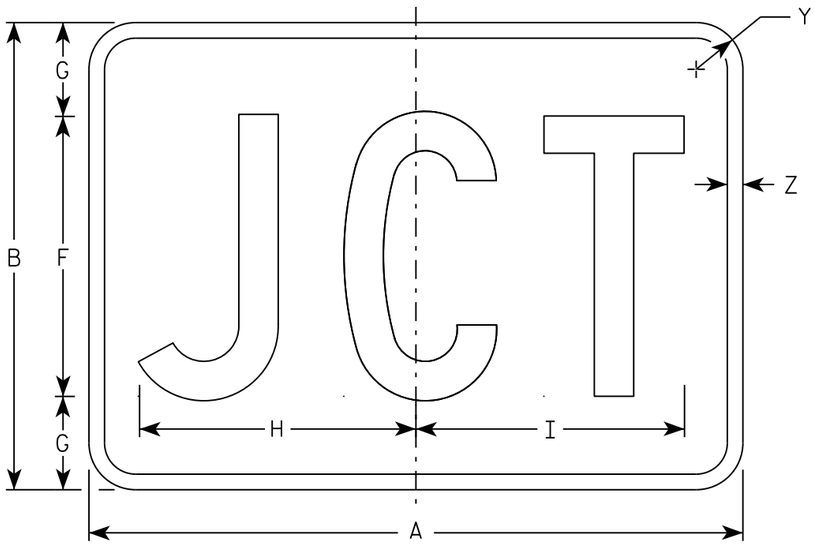
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 372	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

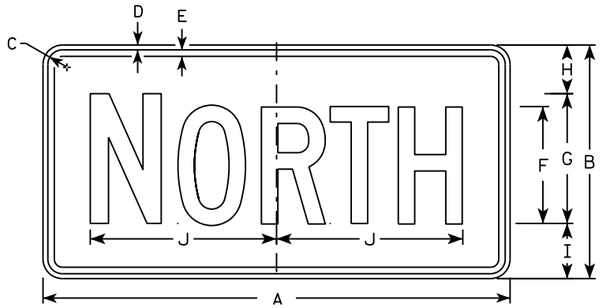
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

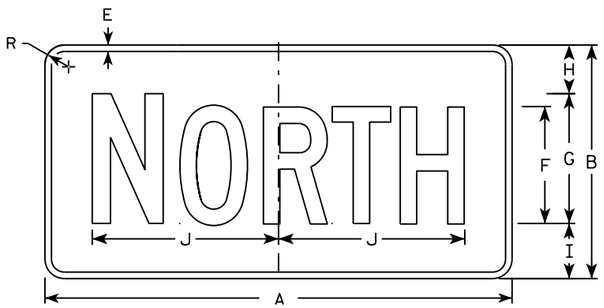
DATE 10/15/15 PLATE 373 12-1.12

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



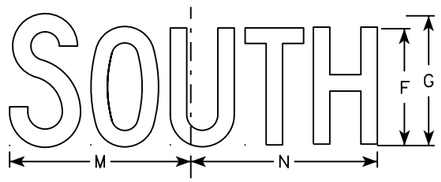
M3-1
MM3-1
MP3-1



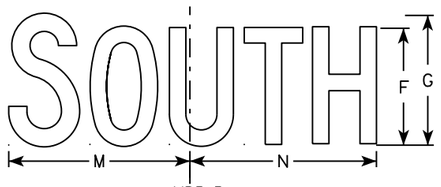
MB3-1
MK3-1
MN3-1

M3-2
MM3-2
MP3-2

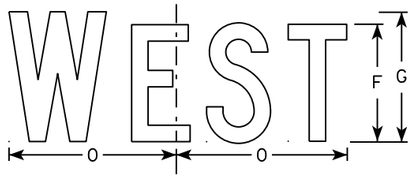
MB3-2
MK3-2
MN3-2



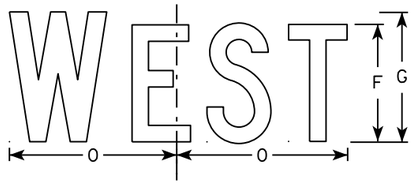
M3-3
MM3-3
MP3-3



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

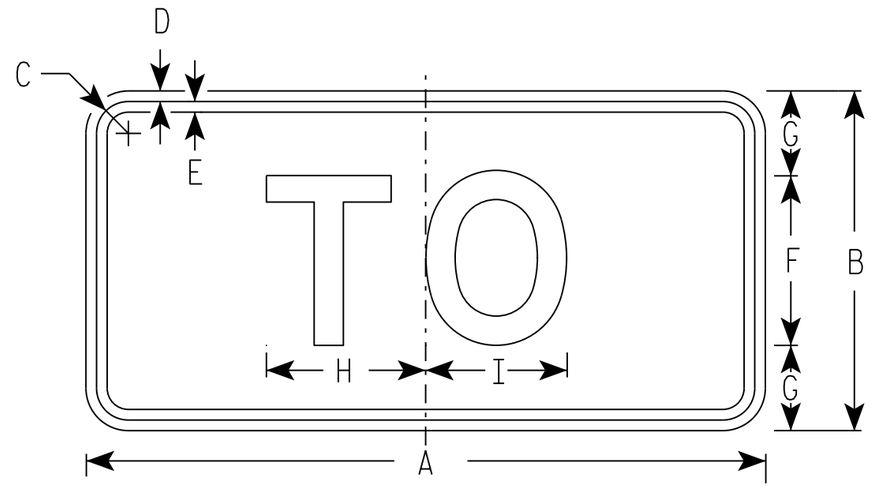
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

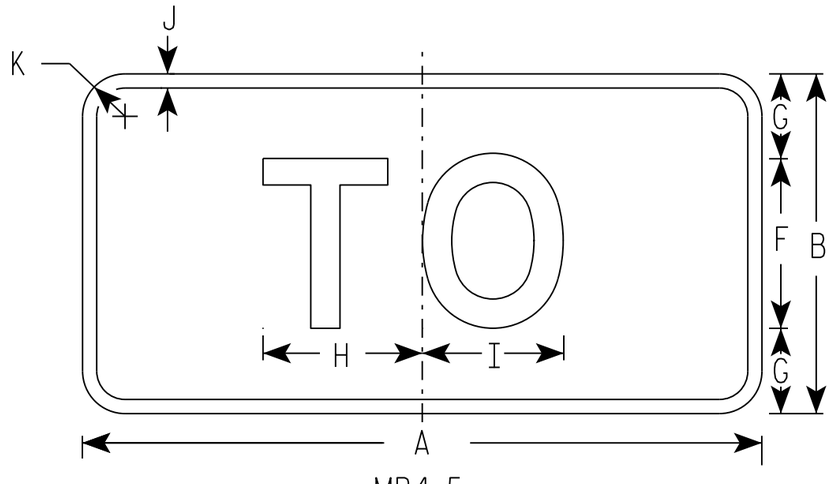
DATE 10/15/15 PLATE NO M3-1.14

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



M4-5
MM4-5
MP4-5



MB4-5
MK4-5
MN4-5

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-5 Background - White
   Message - Black

   MB4-5 Background - Blue
   Message - White

   MK4-5 Background - Green
   Message - White

   MM4-5 Background - White
   Message - Green

   MN4-5 Background - Brown
   Message - White

   MP4-5 Background - White
   Message - Blue

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	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-5

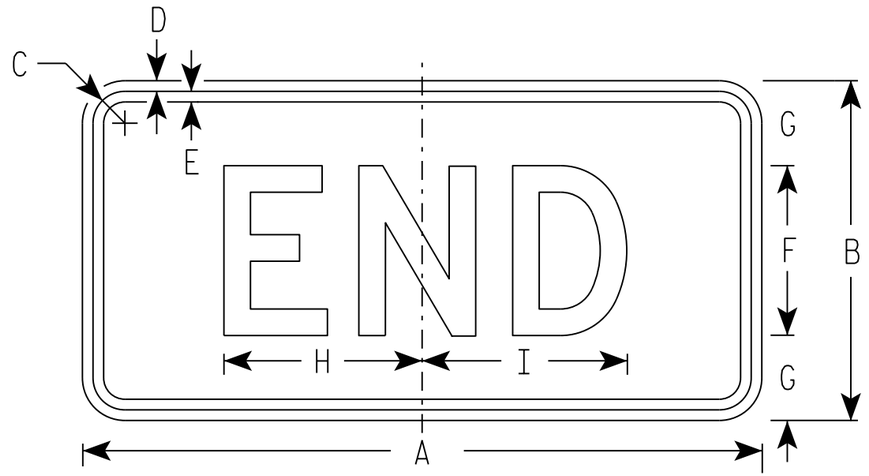
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

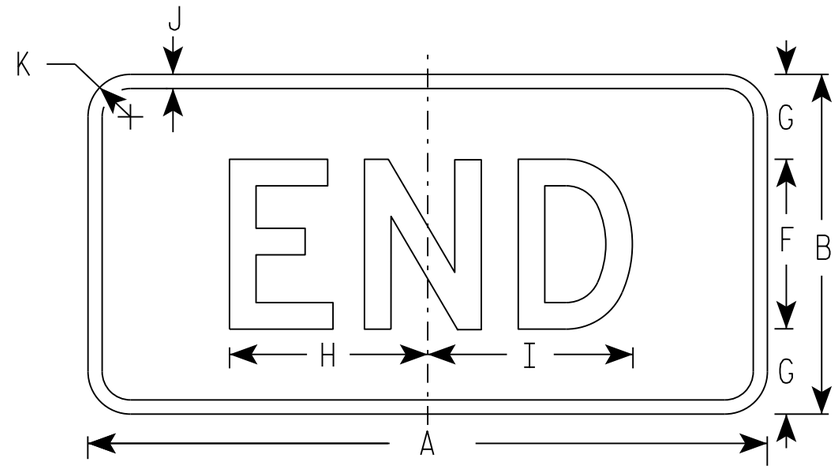
DATE 10/15/15 PLATE 375 M4-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M45.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



M4-6
MM4-6
MP4-6



MB4-6
MK4-6
MN4-6
MR4-6

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
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. M4-6 Background - White
   Message - Black

   MB4-6 Background - Blue
   Message - White

   MK4-6 Background - Green
   Message - White

   MM4-6 Background - White
   Message - Green

   MN4-6 Background - Brown
   Message - White

   MP4-6 Background - White
   Message - Blue

   MR4-6 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	12	1 1/8	3/8	3/8	6	3	7	7 1/4	1/2	1 1/2																2.00
3	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
4	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5
5	36	18	1 1/8	3/8	1/2	9	4 1/2	12	11 7/8	1/2	1 1/2																4.5

STANDARD SIGN
M4-6

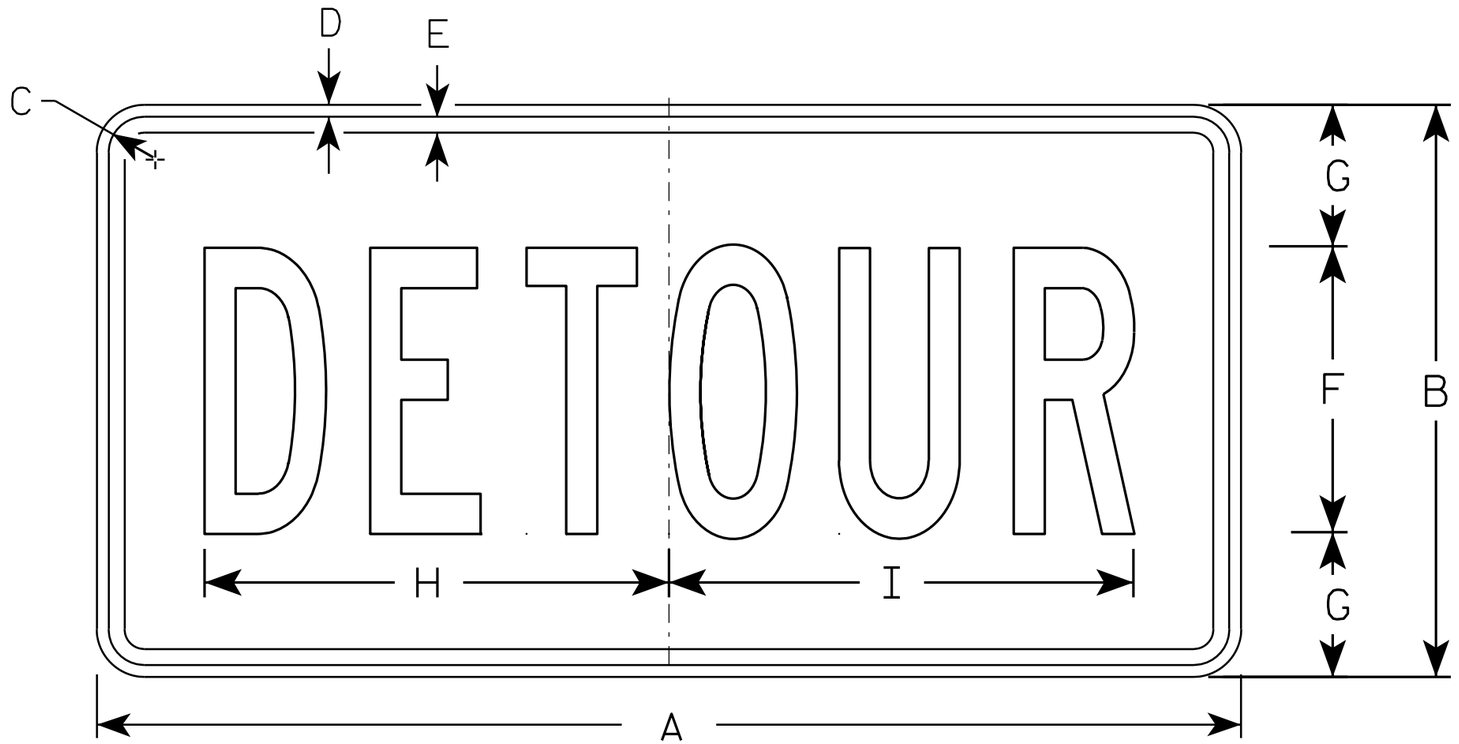
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 376 '14-7.9

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M46.DGN PLOT DATE : 01-DEC-2015 17:55 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 5.351066:1.000000



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																											

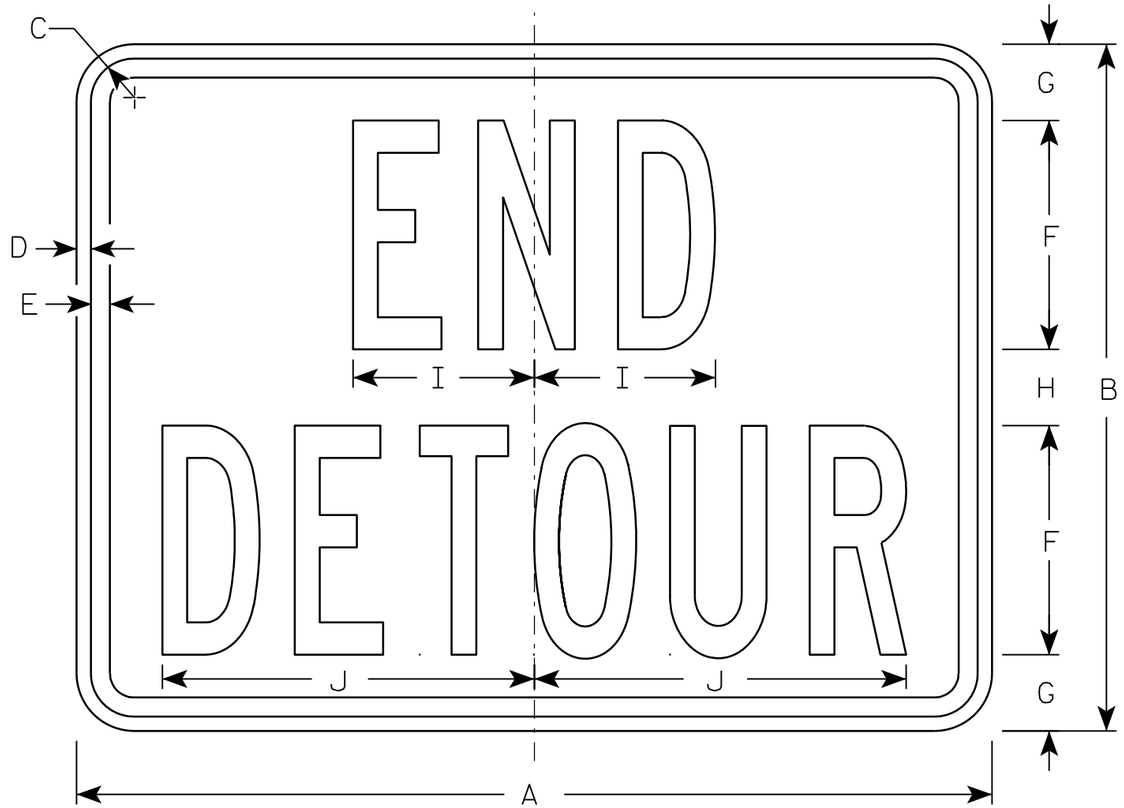
STANDARD SIGN
M4-8

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: 377	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																											

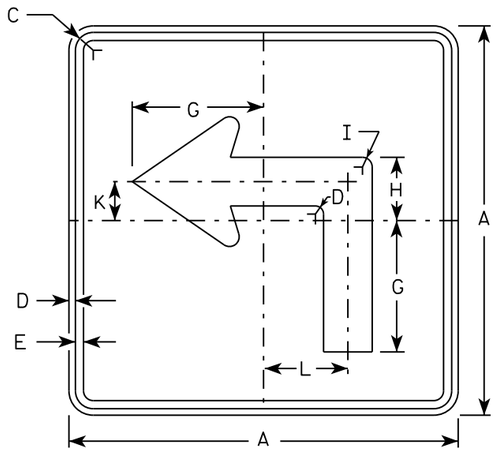
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

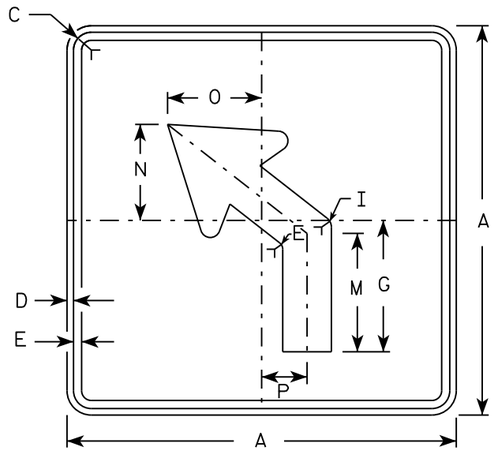
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

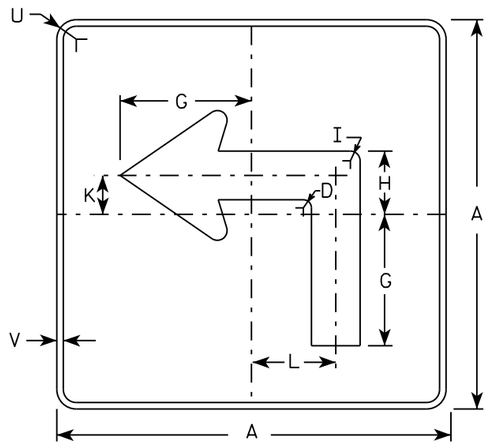
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 378	E



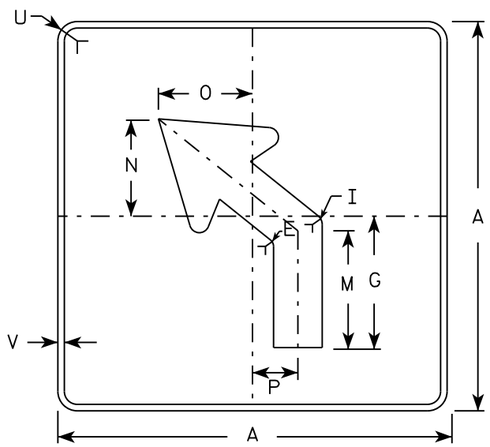
M5-1L
MM5-1L
MO5-1L
MP5-1L



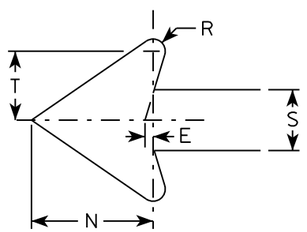
M5-2L
MM5-2L
MO5-2L
MP5-2L



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



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



NOTES

1. Signs are Type II - Type H reflective except as shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M5-1 and M5-2 Background - White
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White
   MK5-1 and MK5-2 Background - Green
   Message - White
   MM5-1 and MM5-2 Background - White
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White
   MO5-1 and MO5-2 Background - Orange - Type F Reflective
   Message - Black
   MP5-1 and MP5-2 Background - White - Type H Reflective
   Message - Blue
   MR5-1 and MR5-2 Background - Brown
   Message - Yellow
5. M5-1R same as M5-1L except arrow points right.
6. M5-2R same as M5-2L except arrow tilts right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

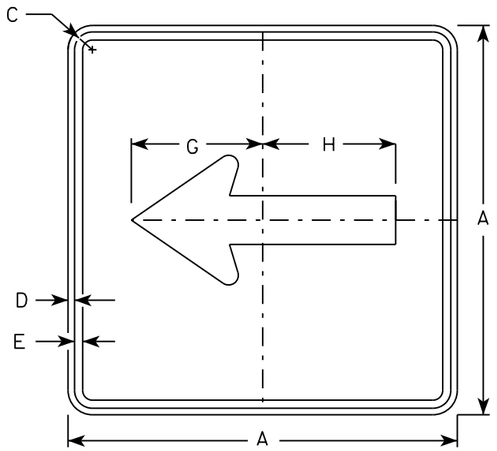
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

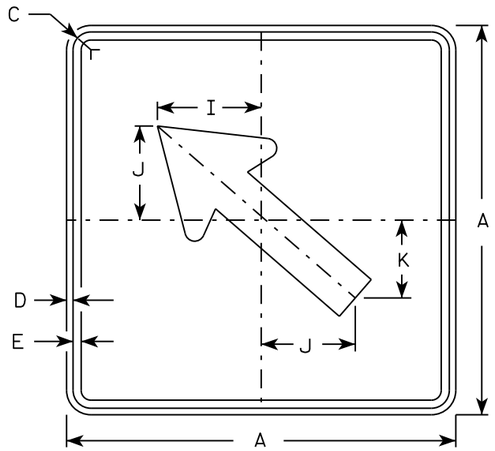
DATE 10/15/15 PLATE NO. M5-1.13

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M51.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



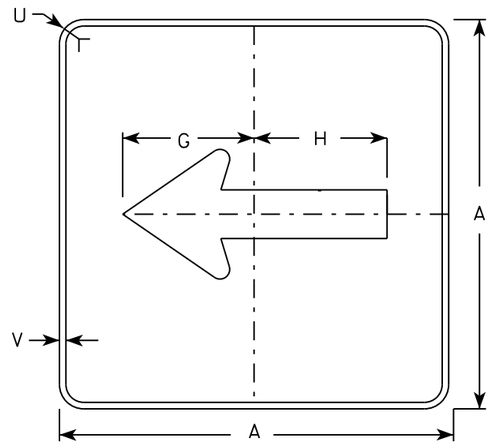
M6-1
MM6-1
MO6-1
MP6-1



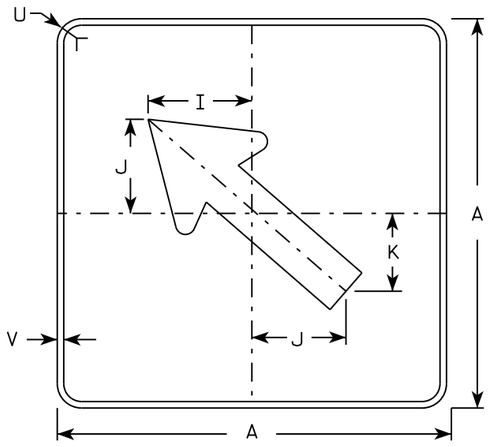
M6-2
MM6-2
MO6-2
MP6-2

NOTES

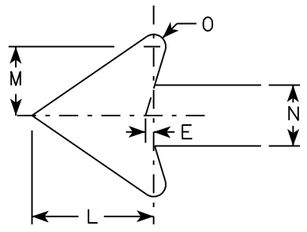
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



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



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



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN M6-1 & M6-2 SERIES

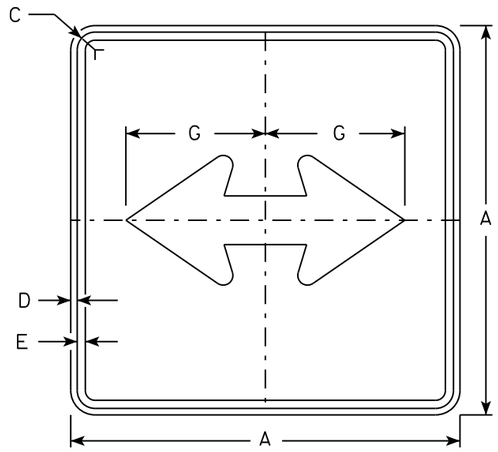
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

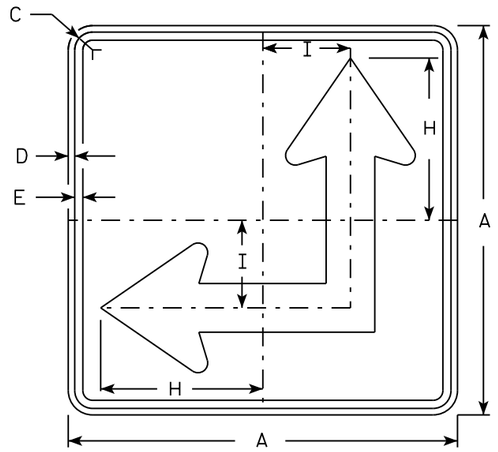
DATE 10/15/15 PLATE 380 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



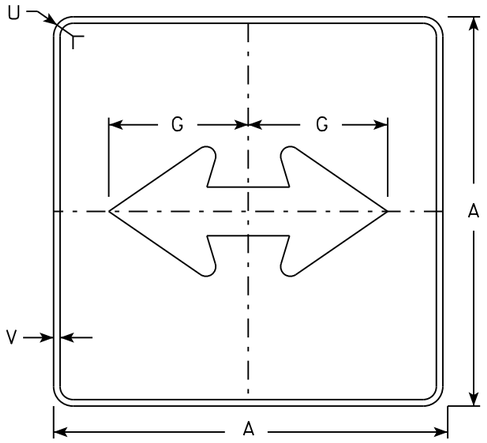
M6-4
MM6-4
MO6-4
MP6-4



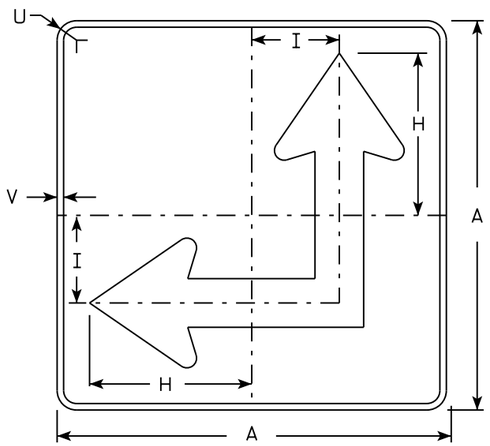
M6-6
MM6-6
MO6-6
MP6-6

NOTES

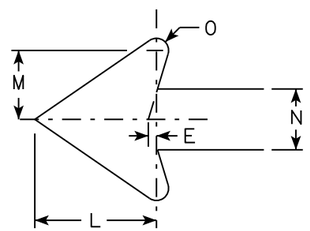
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

STANDARD SIGN
M6-4 & M6-6
SERIES

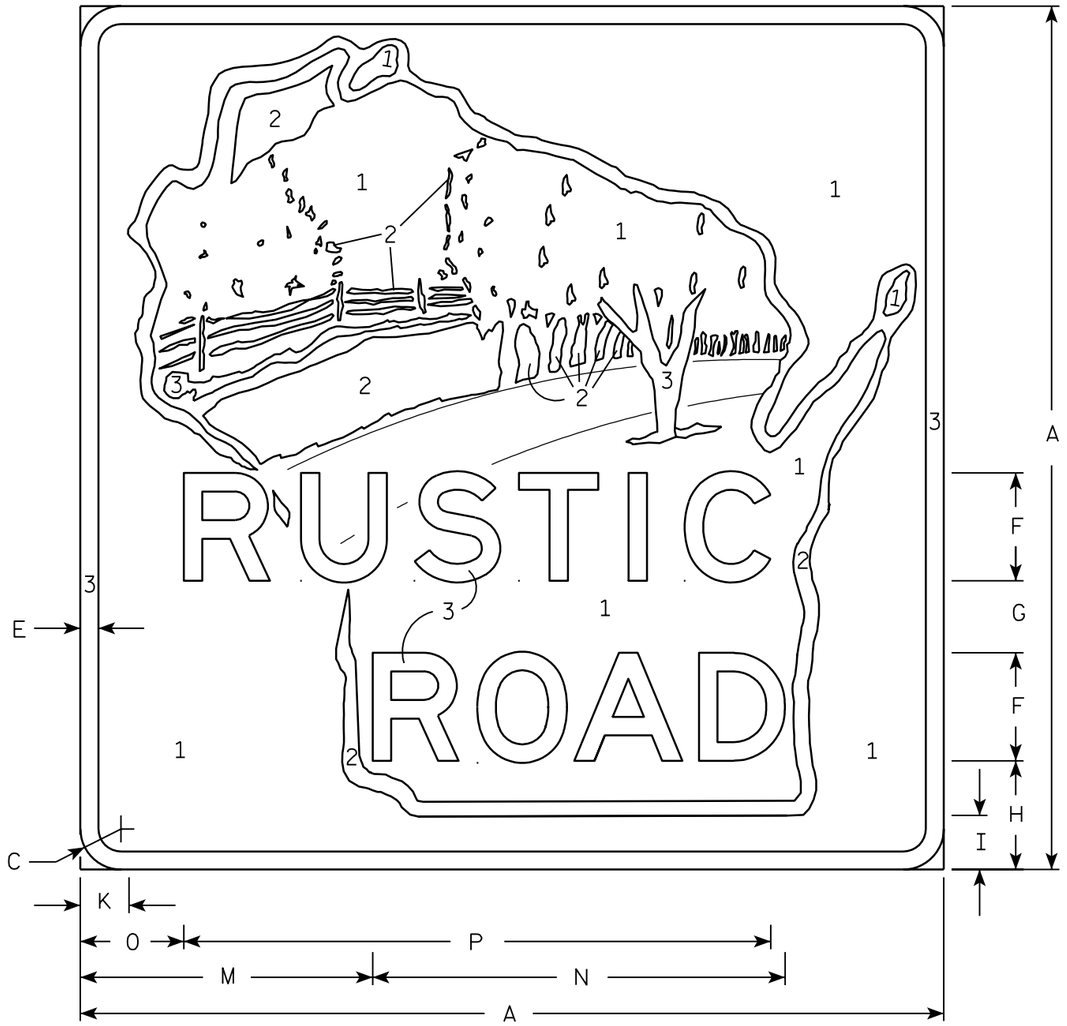
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 381 M6-4.10

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M64.DGN PLOT DATE : 01-DEC-2015 17:58 PLOT BY : $$ platuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See note 5
   Message - See note 5.
3. Message Series - Modified 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. The sign will be color coded by numerical designation Numeral *1 Brown
   2 Type H Reflective White
   3 Reflective Yellow

   Exact color descriptions will be furnished upon request.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/8		1/2	3	2	3	1 1/2		1 3/8		8 1/8	11 1/4	2 7/8	16 1/4											4.0	0.36
3																												
4																												
5																												

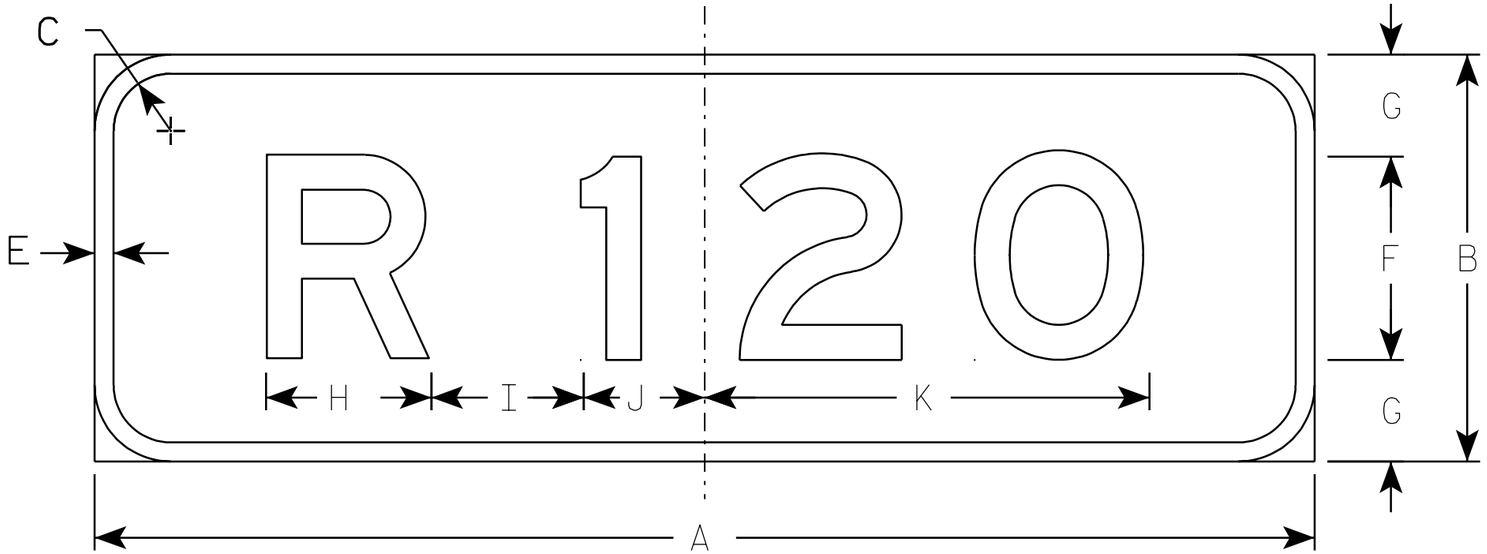
STANDARD SIGN
MR1-99

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/05 PLATE NO. MR1-99.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 382	E



MR4-53

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Brown
   Message - Yellow - Type H Reflective
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.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 200 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	8	1 1/8		3/8	4	2	3 1/4	3	2 3/8	8 3/4																1.33	0.12
3																												
4																												
5																												

STANDARD SIGN
MR4-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/07/03 PLATE NO. MR4-53.1

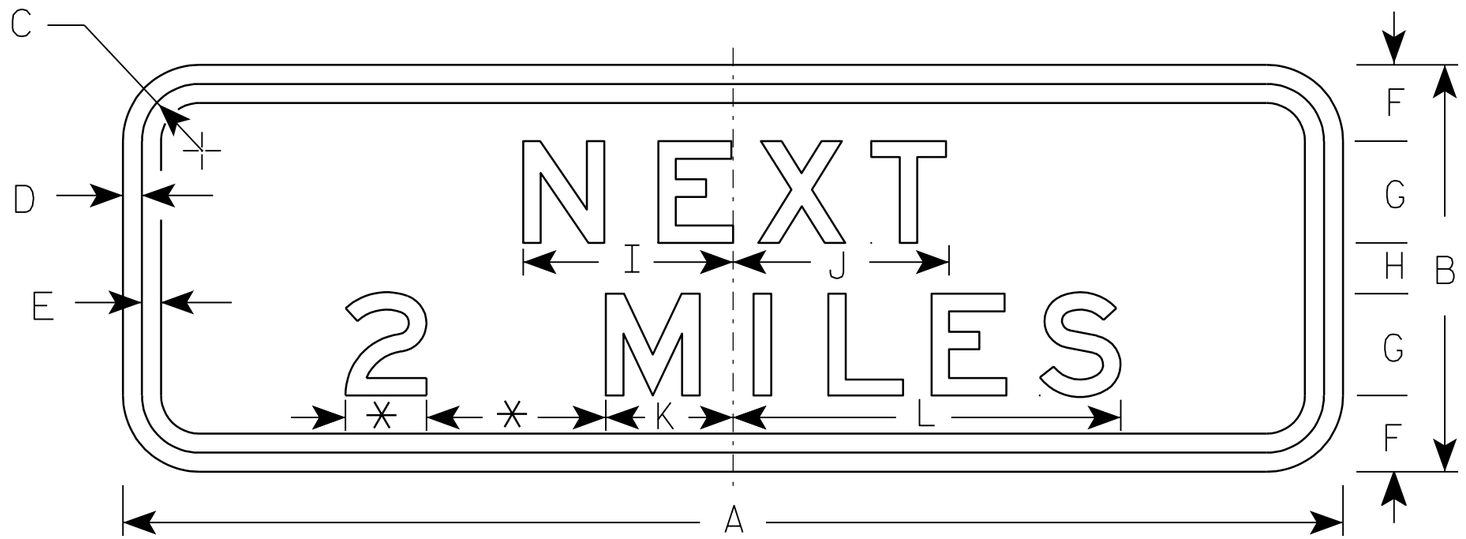
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 383	E

FILE NAME : C:\Users\Projects\tr_stdplate\MR453.DGN PLOT DATE : 18-OCT-2005 15:42 PLOT BY : DITJPH PLOT NAME : PLOT SCALE : 2.980418:1.000000

WISDOT/CADDS SHEET 42

7

7



MR5-53

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Brown
   Message - Yellow - Type H Reflective
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 adjust spacing to achieve proper balance.

for this sign is:
Metric equivalent

* (See Note 5)

SIZE	
1	
2	600 mm X 200 mm
3	
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	8	1 1/8	3/8	3/8	1 1/2	2	1	4 1/8	4 1/4	2 1/2	7 5/8															1.33	0.12
3																												
4																												
5																												

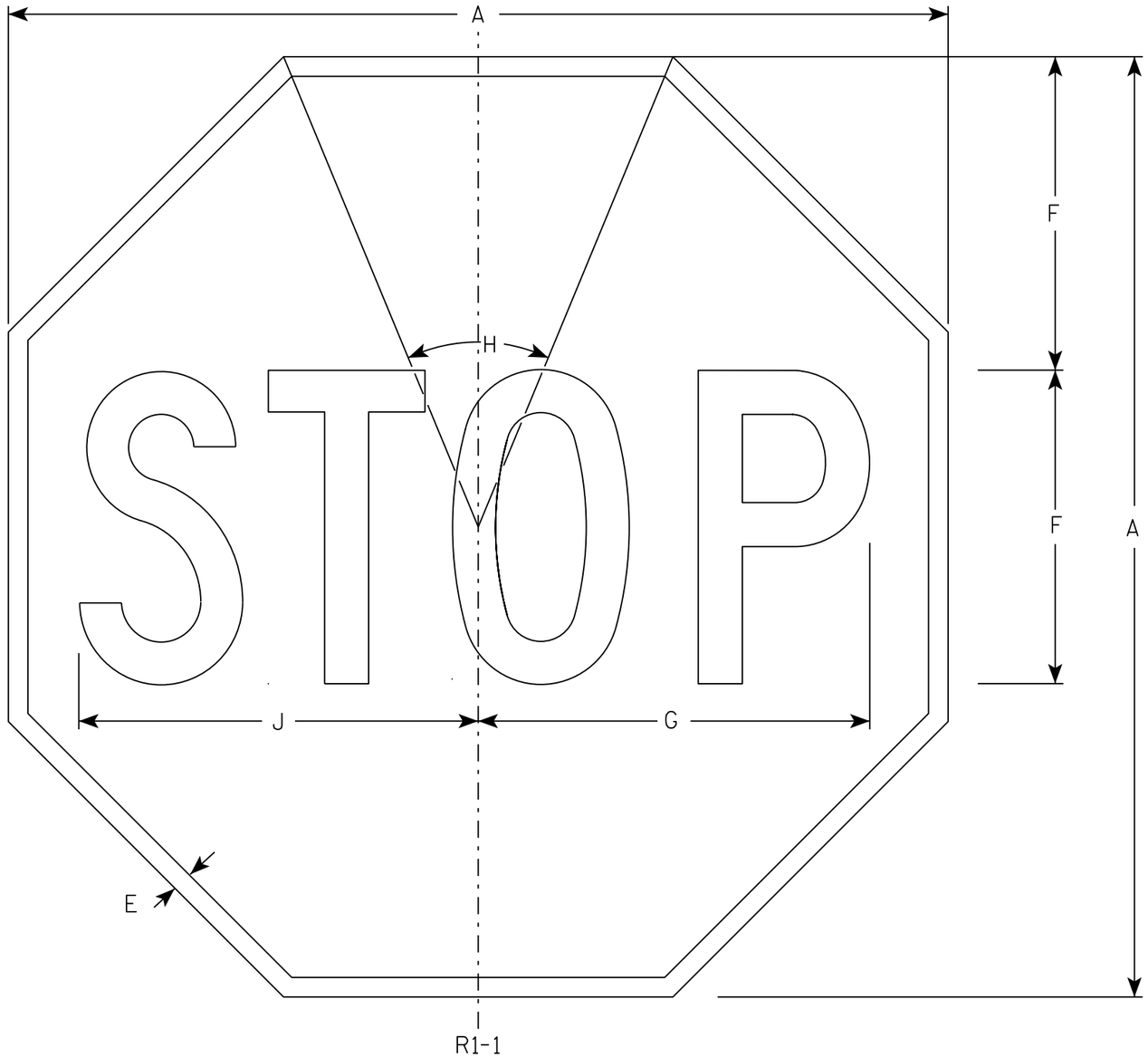
STANDARD SIGN
MR5-53

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spagg
for State Traffic Engineer

DATE 3/20/02 PLATE NO. MR5-53.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 384	E



R1-1

NOTES

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

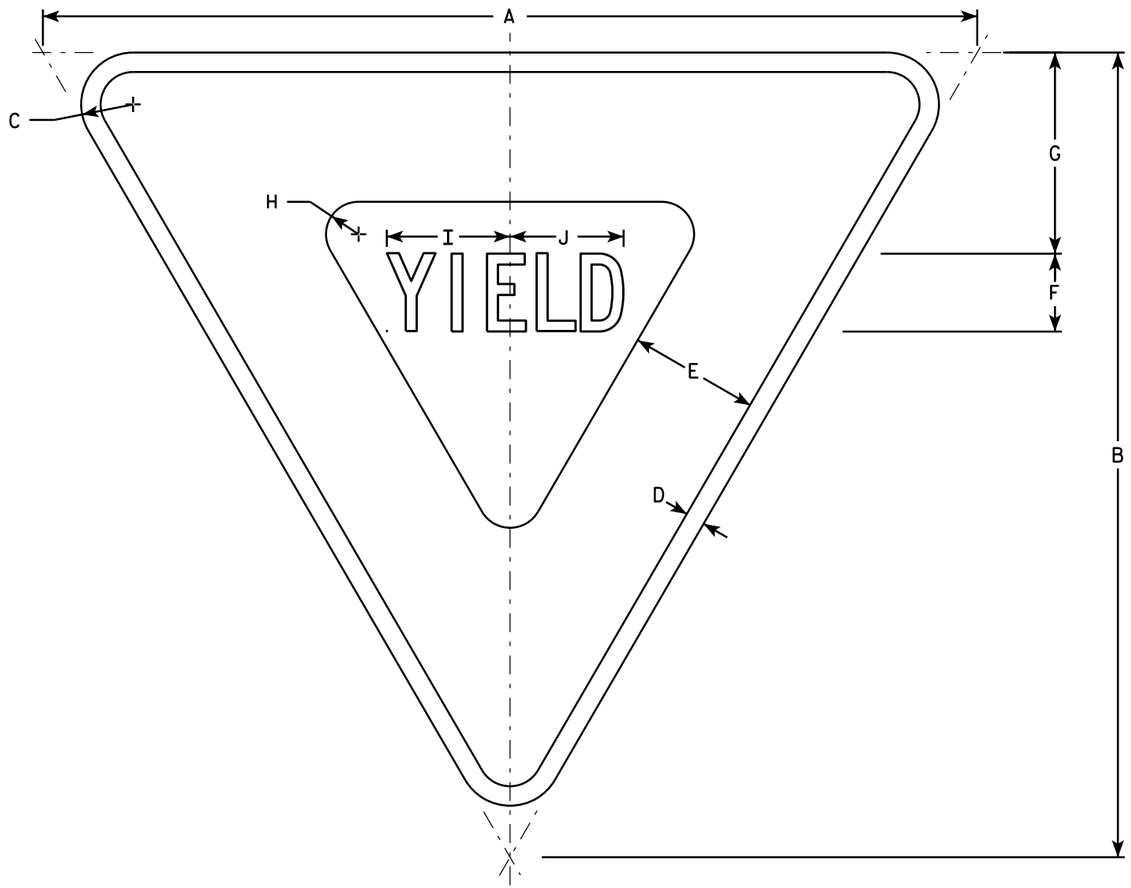
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE 385 R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 01-DEC-2015 18:07 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.378143:1.000000



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

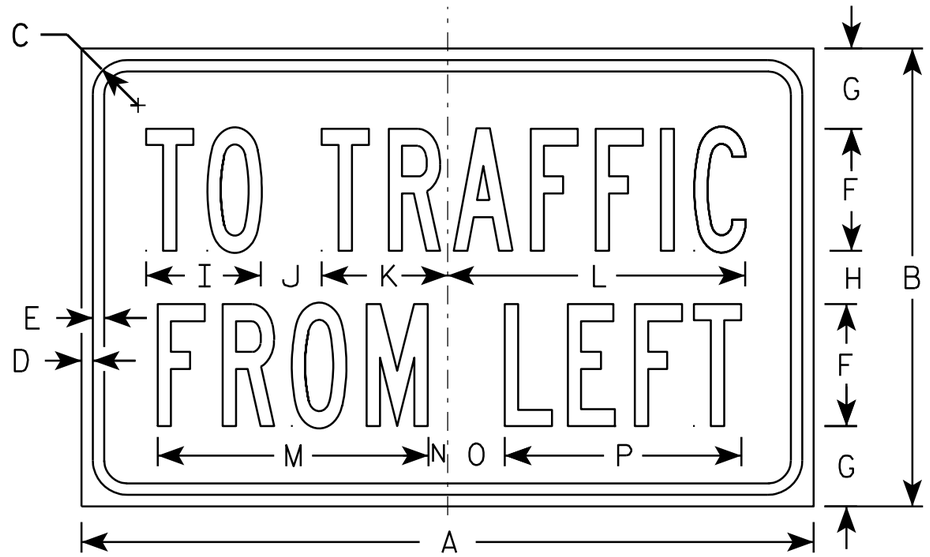
WISCONSIN DEPT OF TRANSPORTATION

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



R1-54

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 - B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
2M	24	15	1 1/8	3/8	3/8	4	2 5/8	1 3/4	3 3/4	2	4 1/8	9 3/4	8 7/8	5/8	1 7/8	7 3/4											2.5
3																											
4																											
5																											

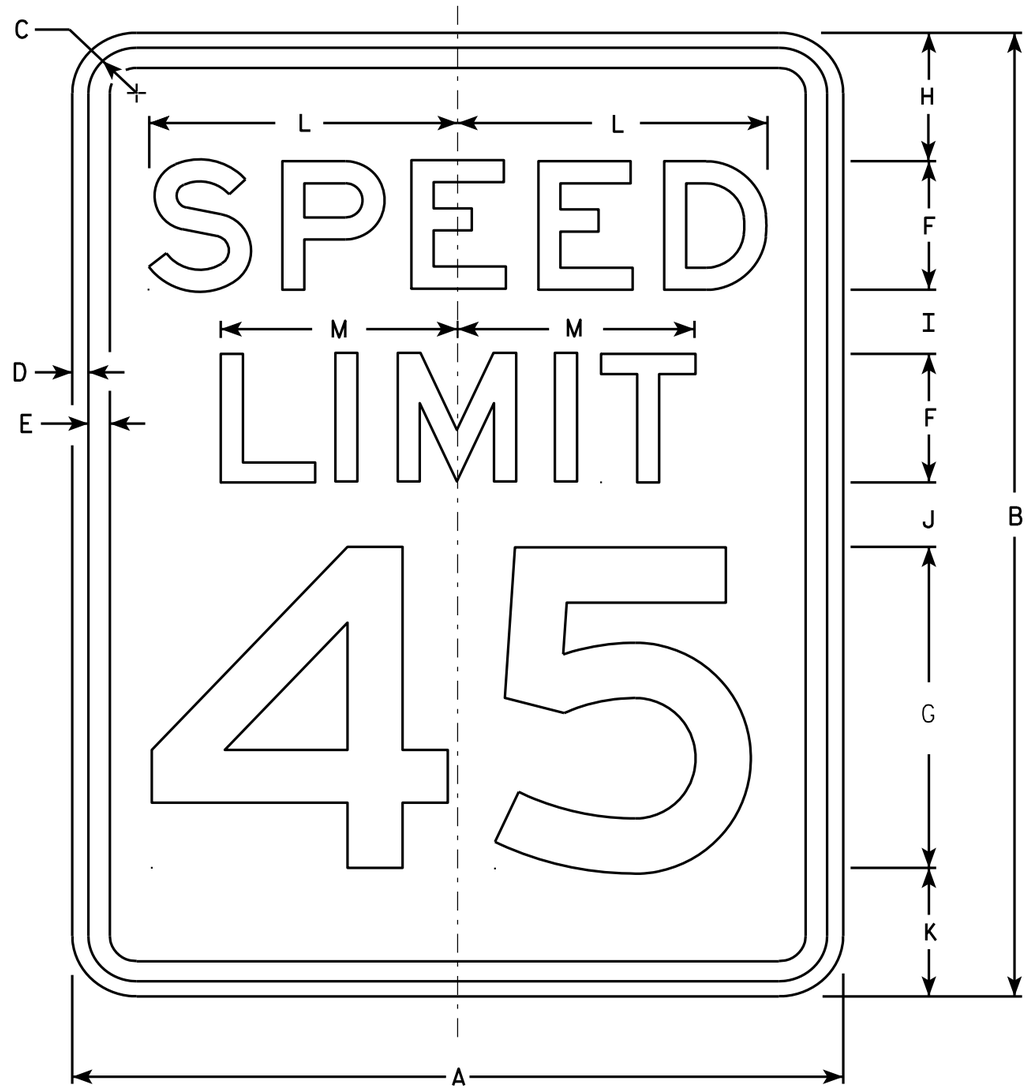
STANDARD SIGN
R1-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-54.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 387	E



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

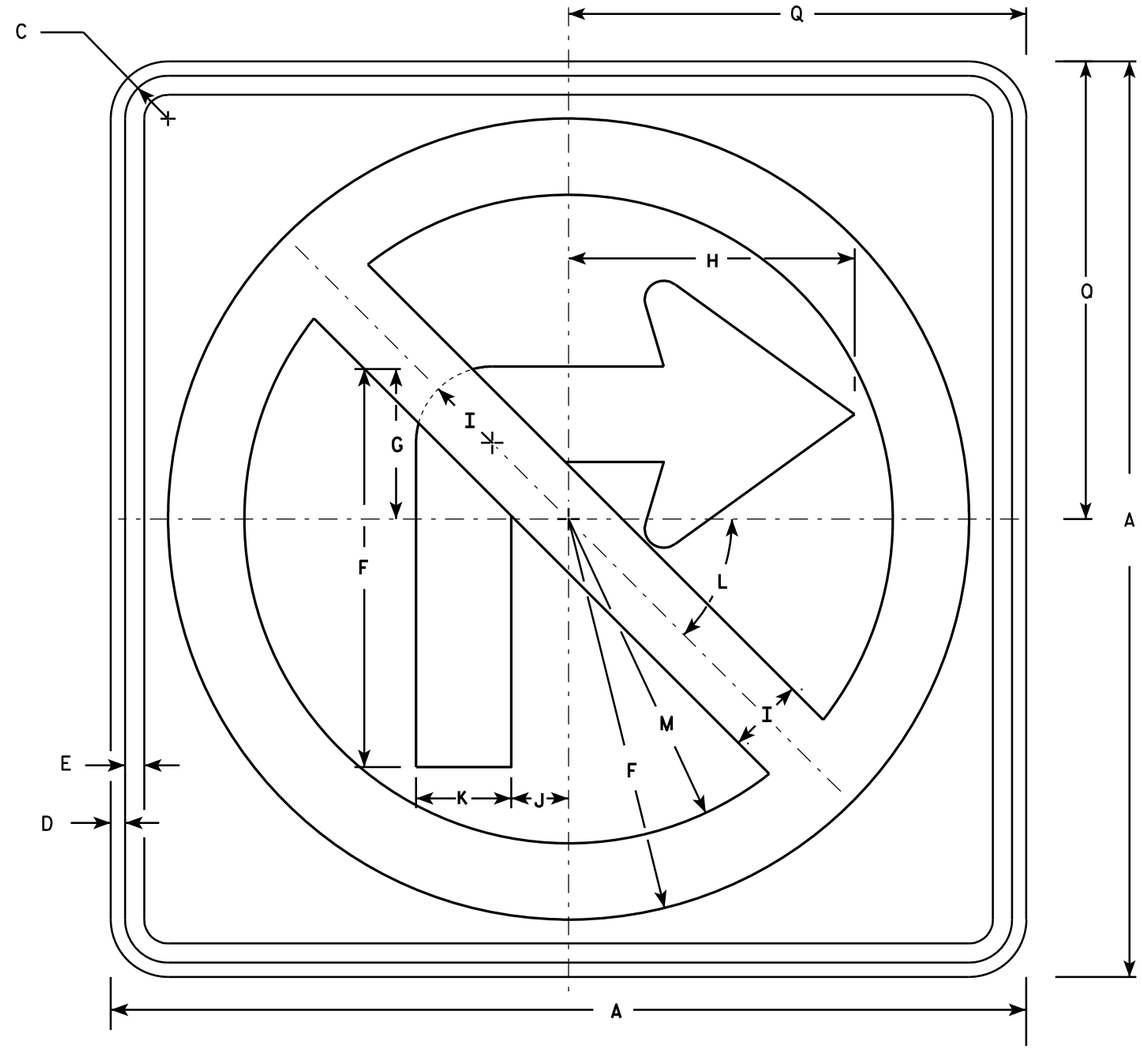
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 388 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

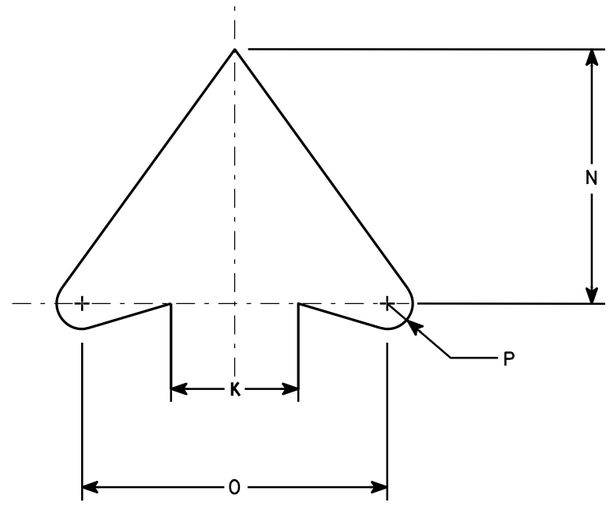
WISDOT/CADDS SHEET 42



R3-1

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

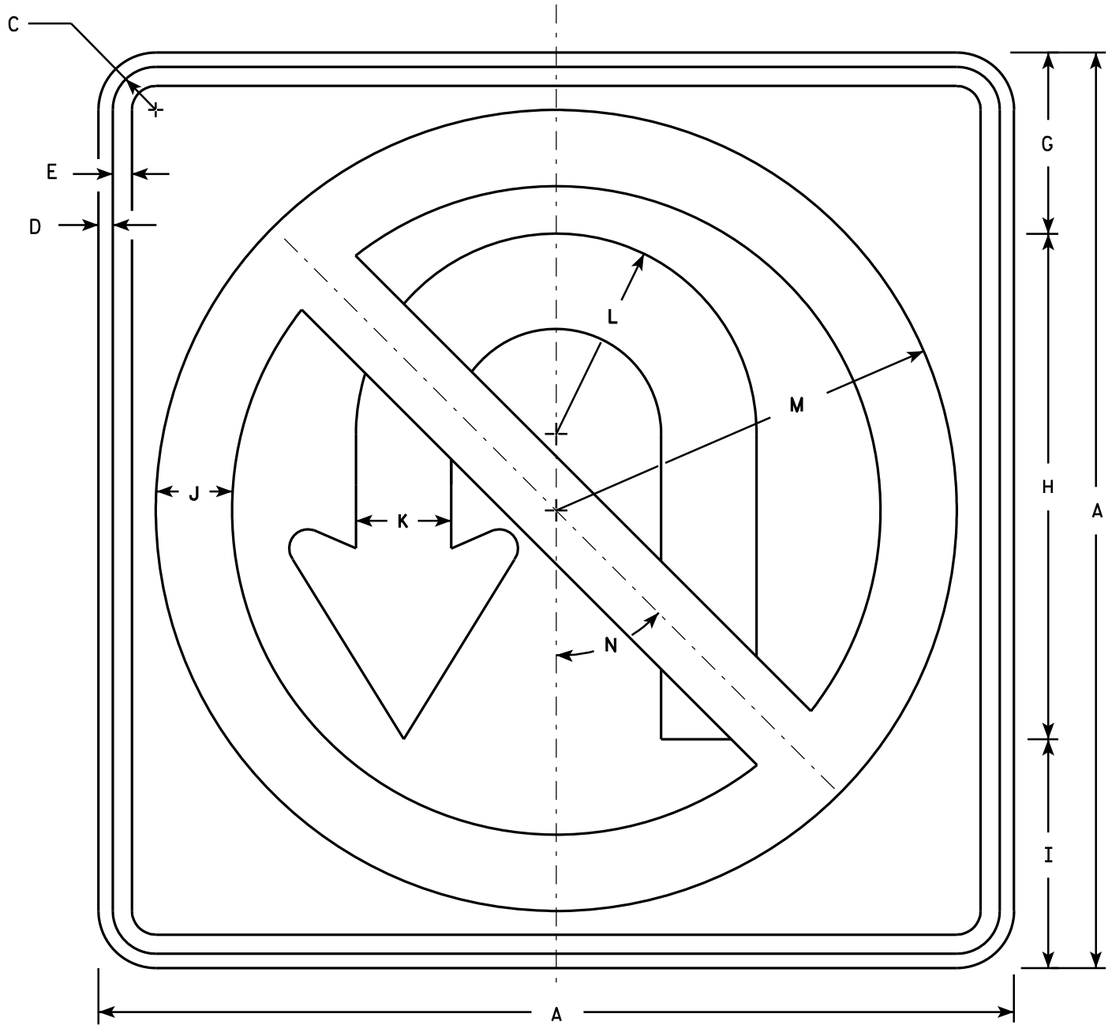
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

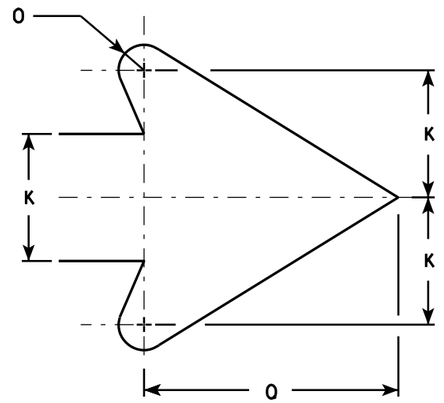
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 389	E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - 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																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

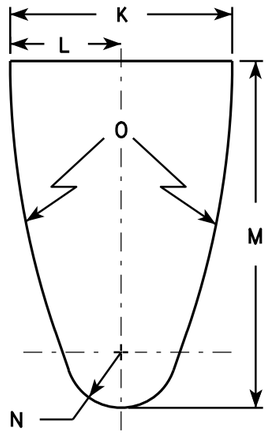
STANDARD SIGN
R3-4

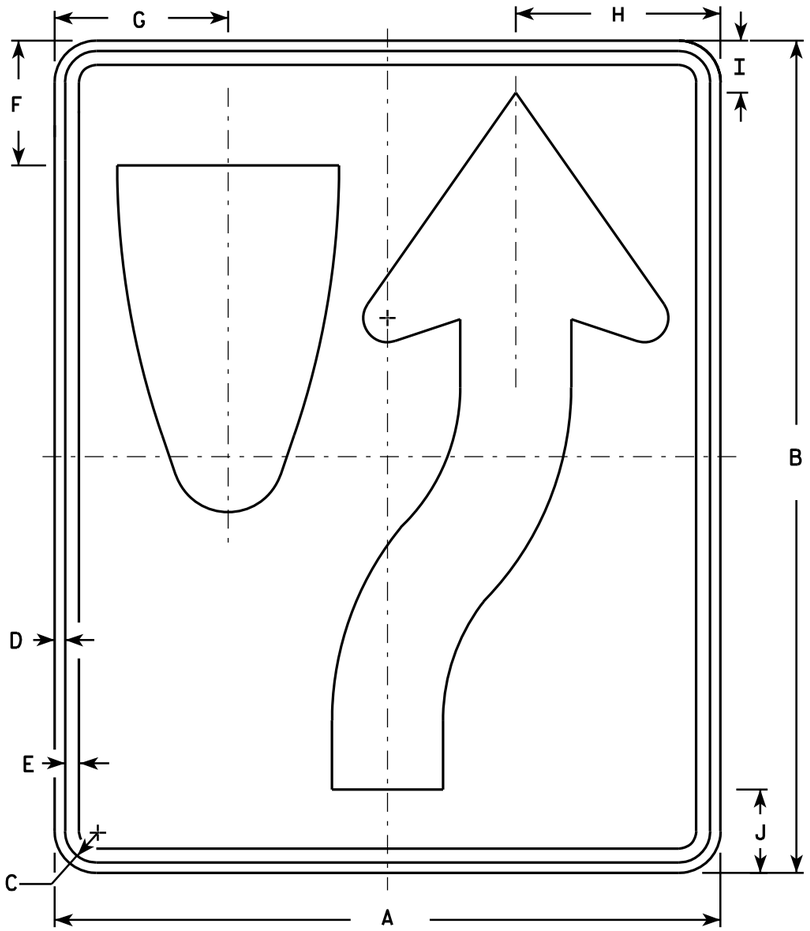
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 390	E

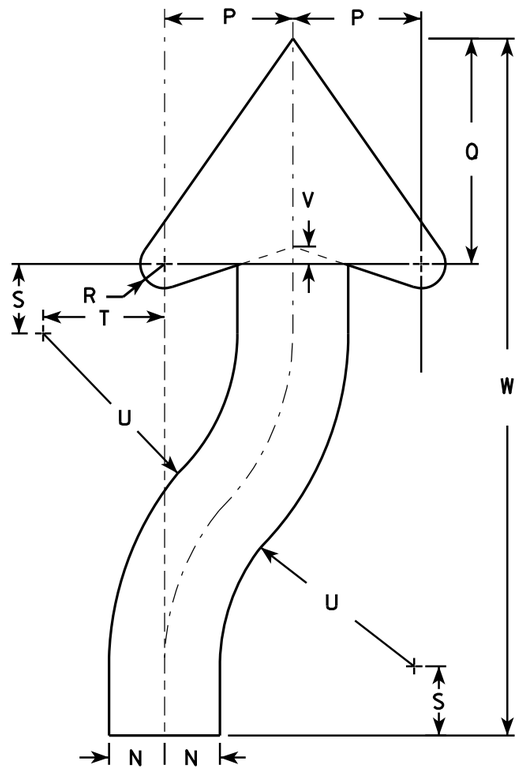




R4-7

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

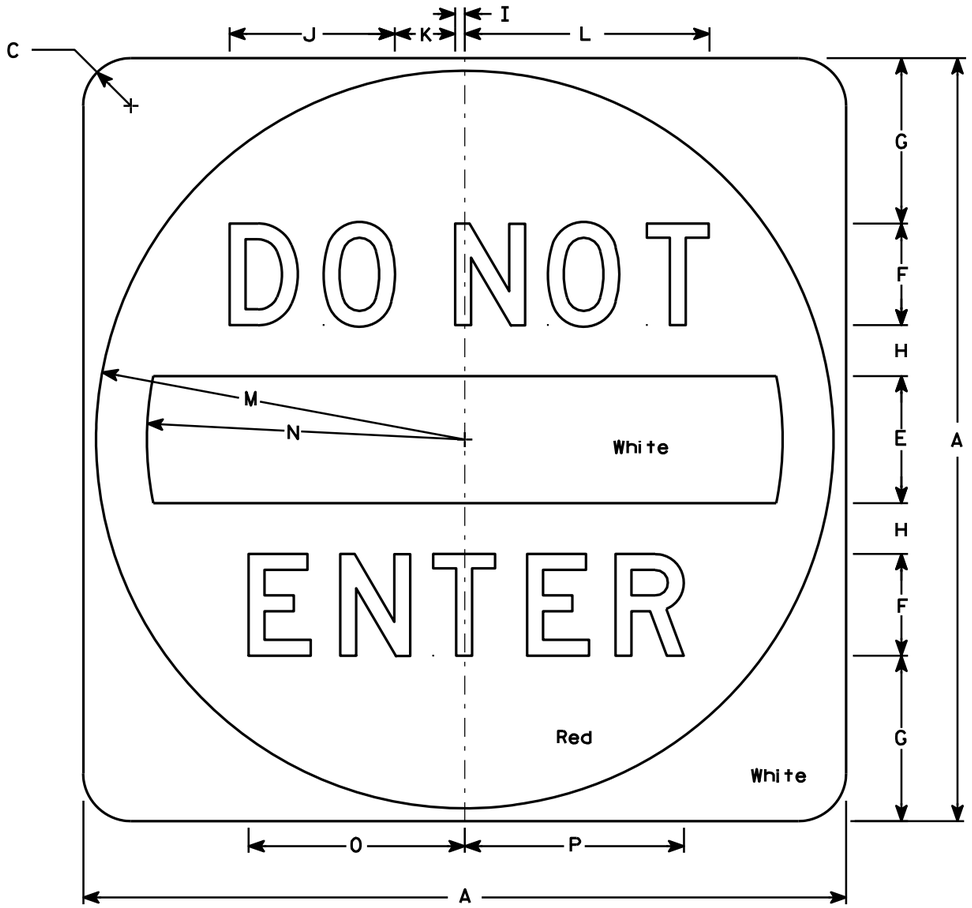
STANDARD SIGN
R4-7 & R4-8

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: 391	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - See detail
   Message - White - Type H Reflective
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but when base material is metal, the cornors shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		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											6.26
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

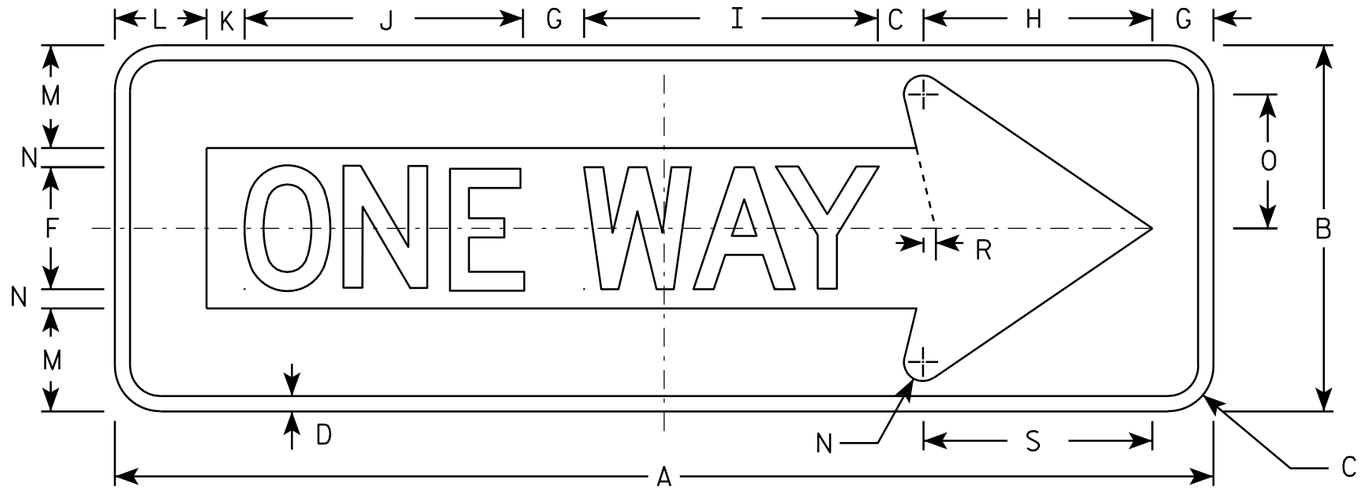
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1.15

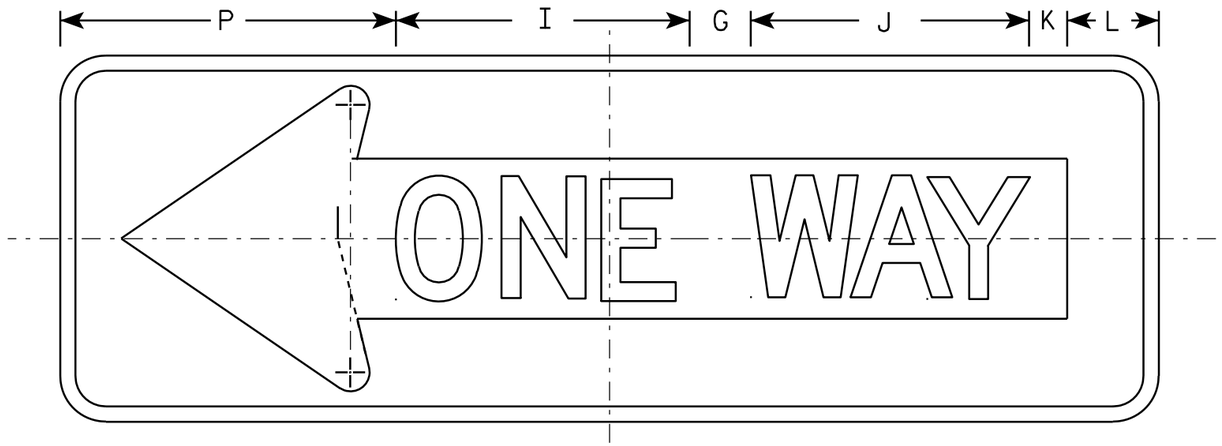
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 392 | E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 ½	½		4	2	7 ½	9 ⅝	9 ⅛	1 ¼	3	3 ⅜	⅝	4 ⅜	11		⅜	7 ½								3.0
2M	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
3	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
4	54	18	2 ¼	¾		6	3	11 ¼	14 ½	13 ⅝	1 ⅞	4 ½	5	1	6 ½	16 ½		⅝	11 ¼								6.75
5																											

STANDARD SIGN
R6-1 L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R6-1.2

PROJECT NO:

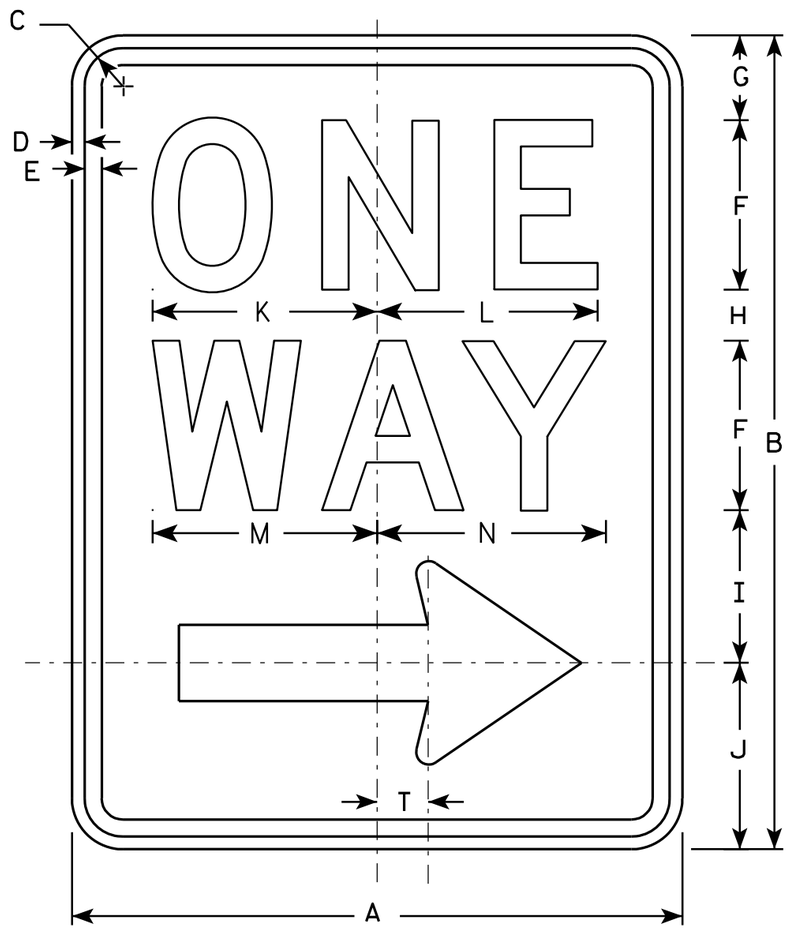
SHEET NO: 393 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R61.DGN PLOT DATE : 17-DEC-2010 14:11 PLOT BY : dotsja

WISDOT/CADDS SHEET 42

7

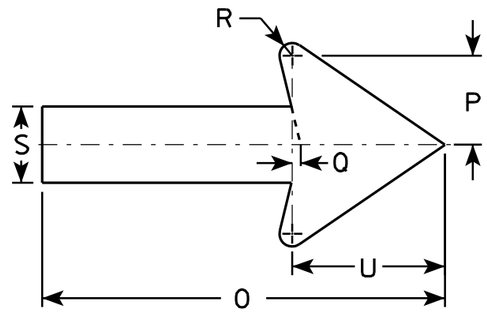
7



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

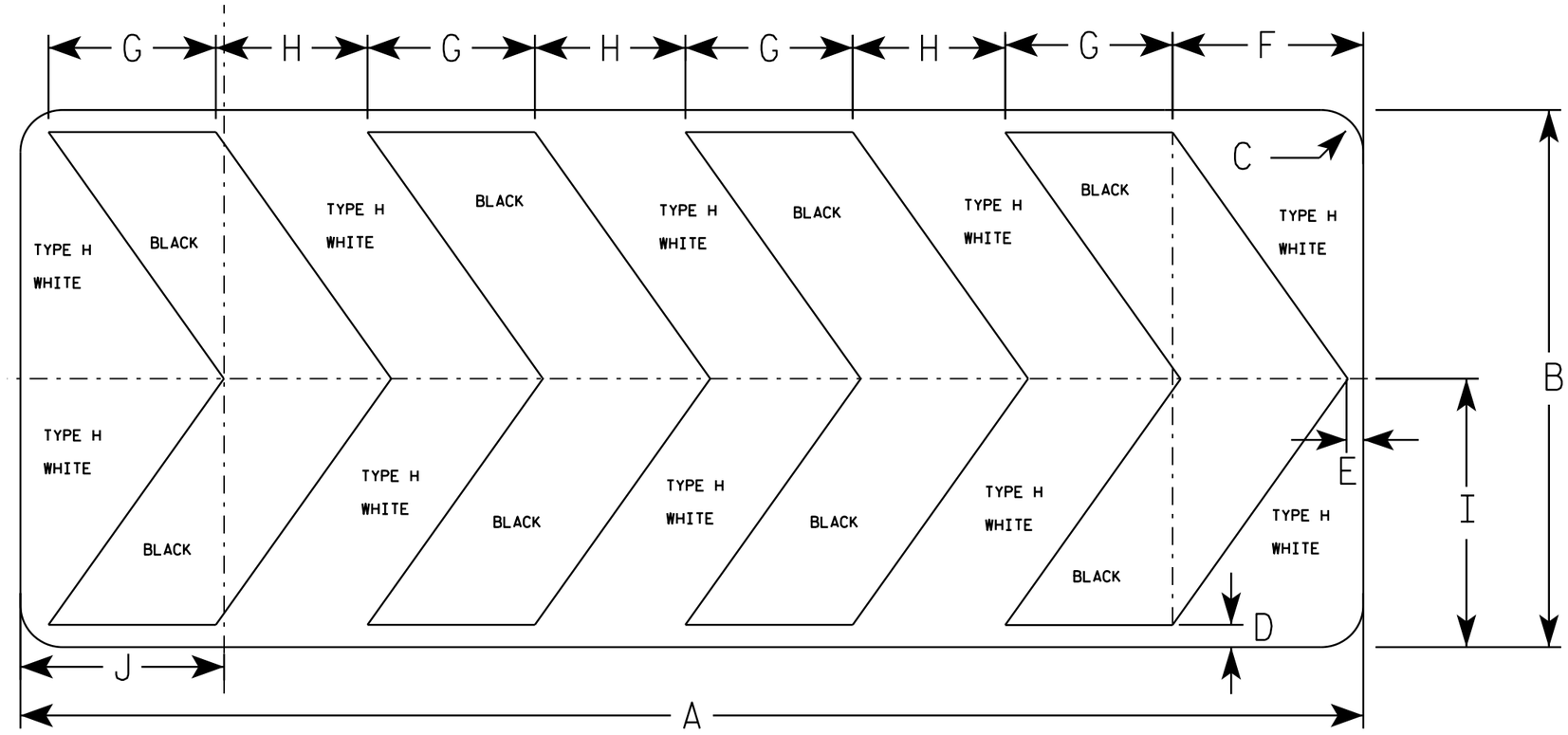
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 394	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - WHITE
   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.



R6-4B

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
2M	60	24	1 7/8	1	3/4	8 1/2	7 1/2	6 3/4	12	9 1/8																	10.0
3																											
4																											
5																											

STANDARD SIGN
R6-4B

WISCONSIN DEPT OF TRANSPORTATION

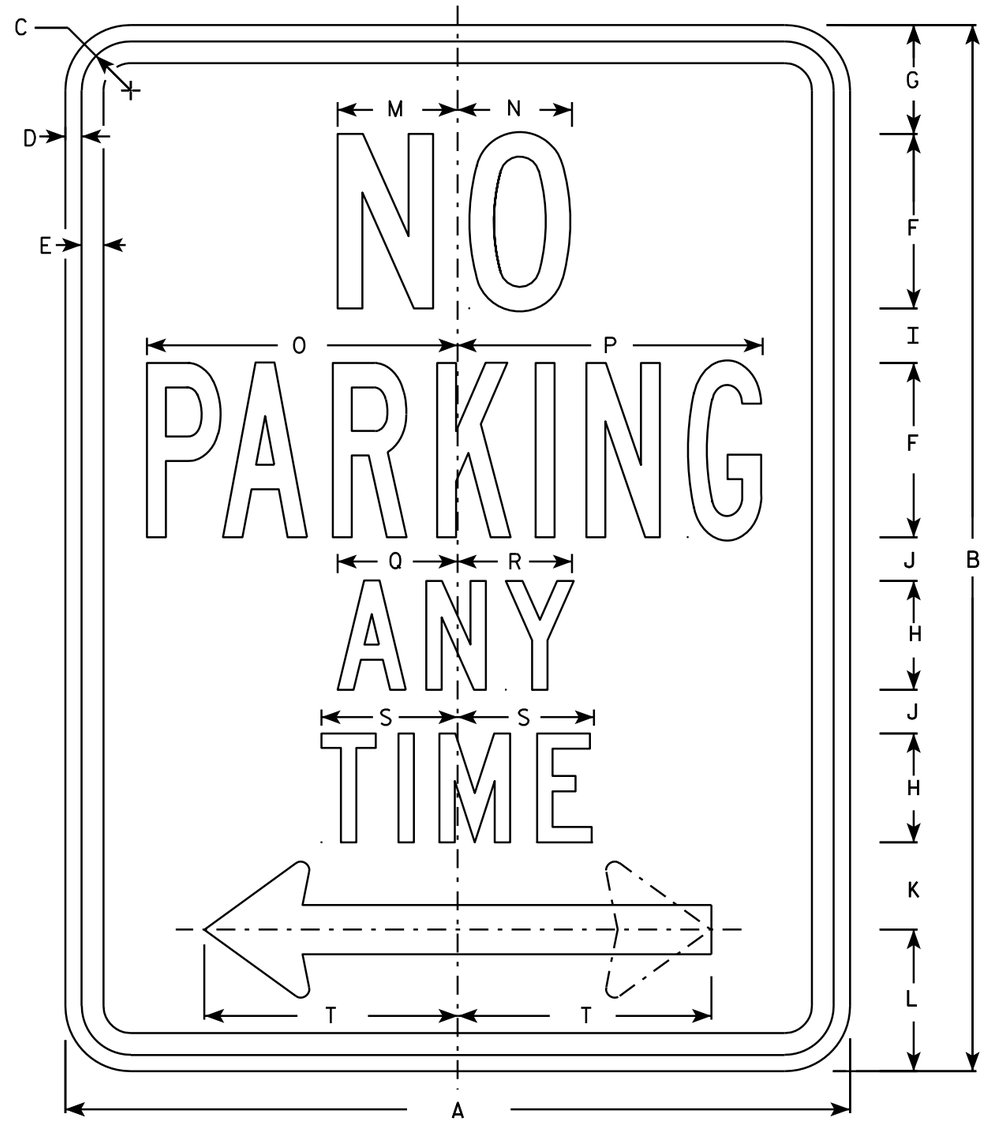
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/14 PLATE NO. R6-4.3

PROJECT NO: SHEET NO: E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R64B.DGN PLOT DATE : 21-AUG-2014 15:01 PLOT BY : mscsja

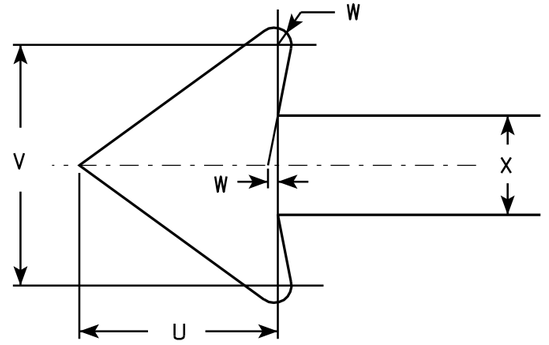
WISDOT/CADDS SHEET 42



R7-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Red
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1, 3 and 4 are series C, line 2 is series B.
6. R7-1D (double arrow)
   R7-1L (left arrow)
   R7-1R (right arrow)



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

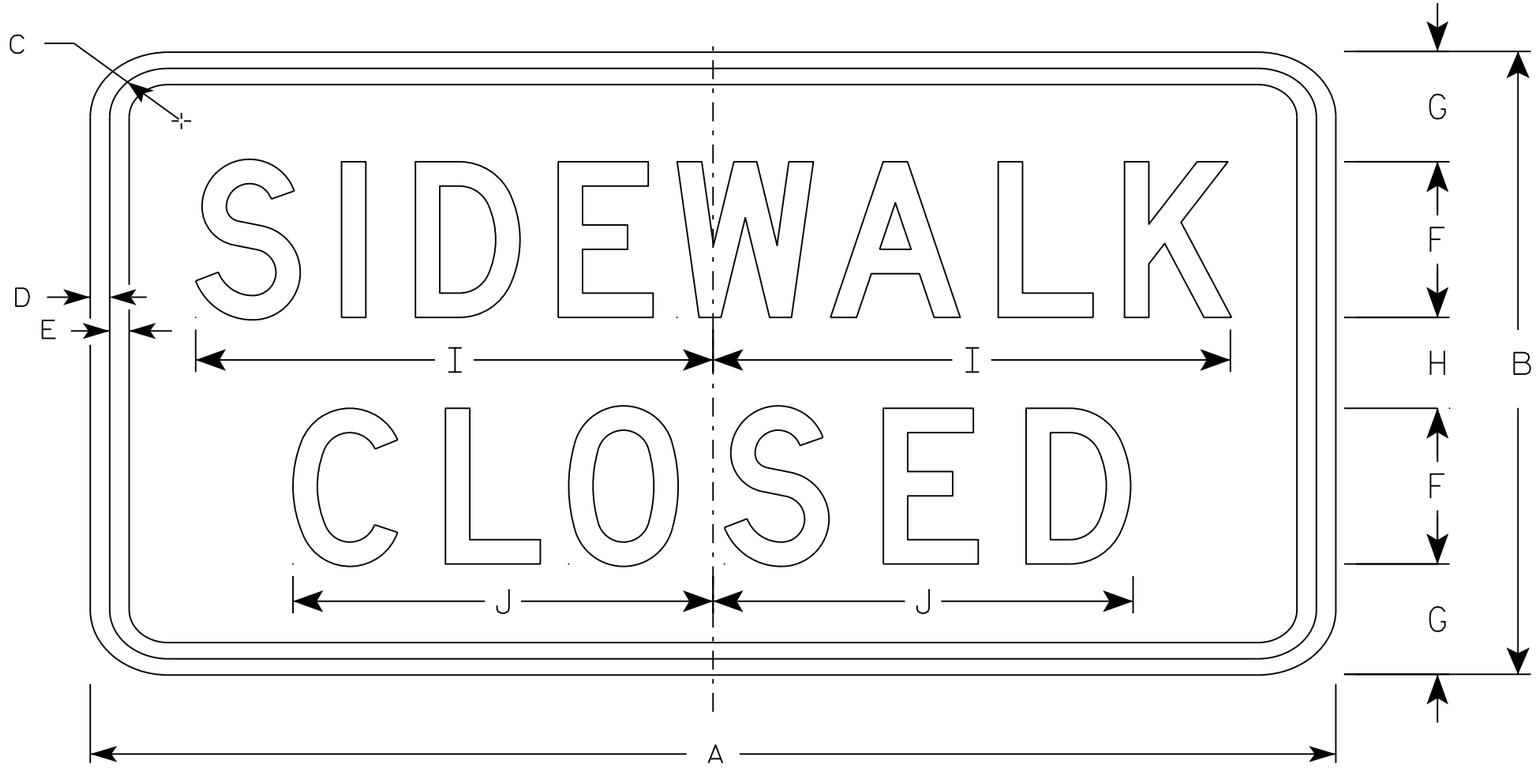
STANDARD SIGN
R7-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-1.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 396	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

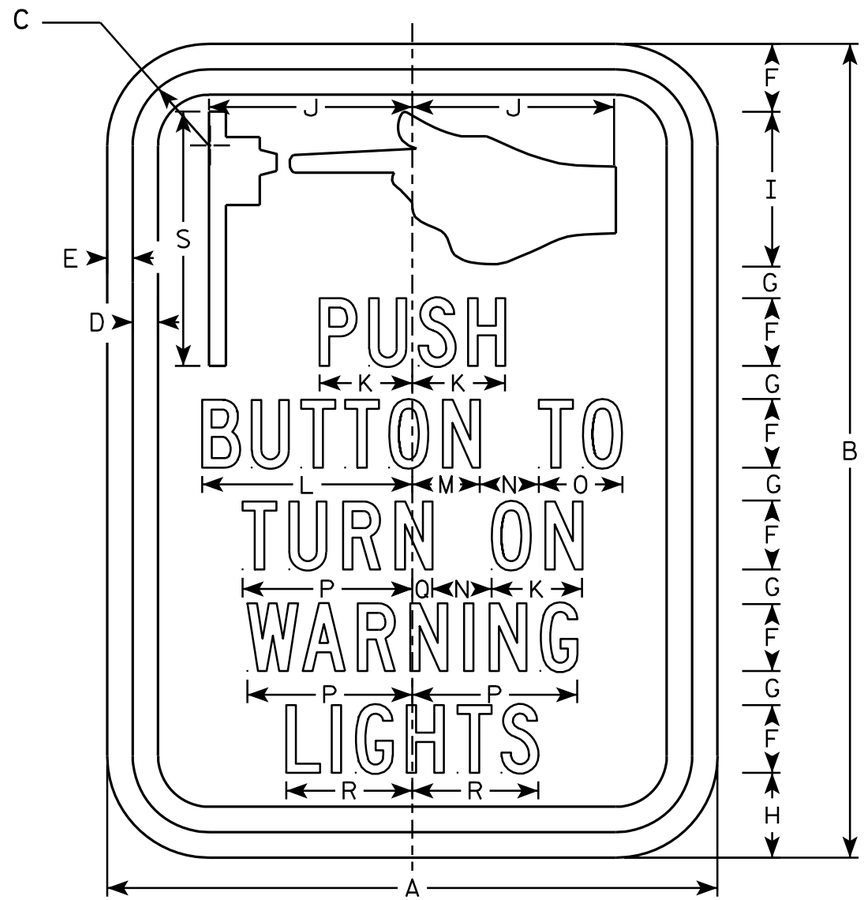
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 397 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



R10-25

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. Size (1) comes as a decal only.

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	6	9	1 1/8	3/8	3/8	3/4	3/8	1	1 3/4	2	7/8	2 1/8	5/8	5/8	7/8	1 5/8	1/4	1 1/4	2 7/8								.38
2S	9	12	1 1/8	3/8	3/8	1	1/2	1 1/4	2 1/4	3	1 3/8	3 1/8	1	7/8	1 1/4	2 1/2	1/4	1 7/8	3 3/4								.75
2M	9	12	1 1/8	3/8	3/8	1	1/2	1 1/4	2 1/4	3	1 3/8	3 1/8	1	7/8	1 1/4	2 1/2	1/4	1 7/8	3 3/4								.75
3																											
4																											
5																											

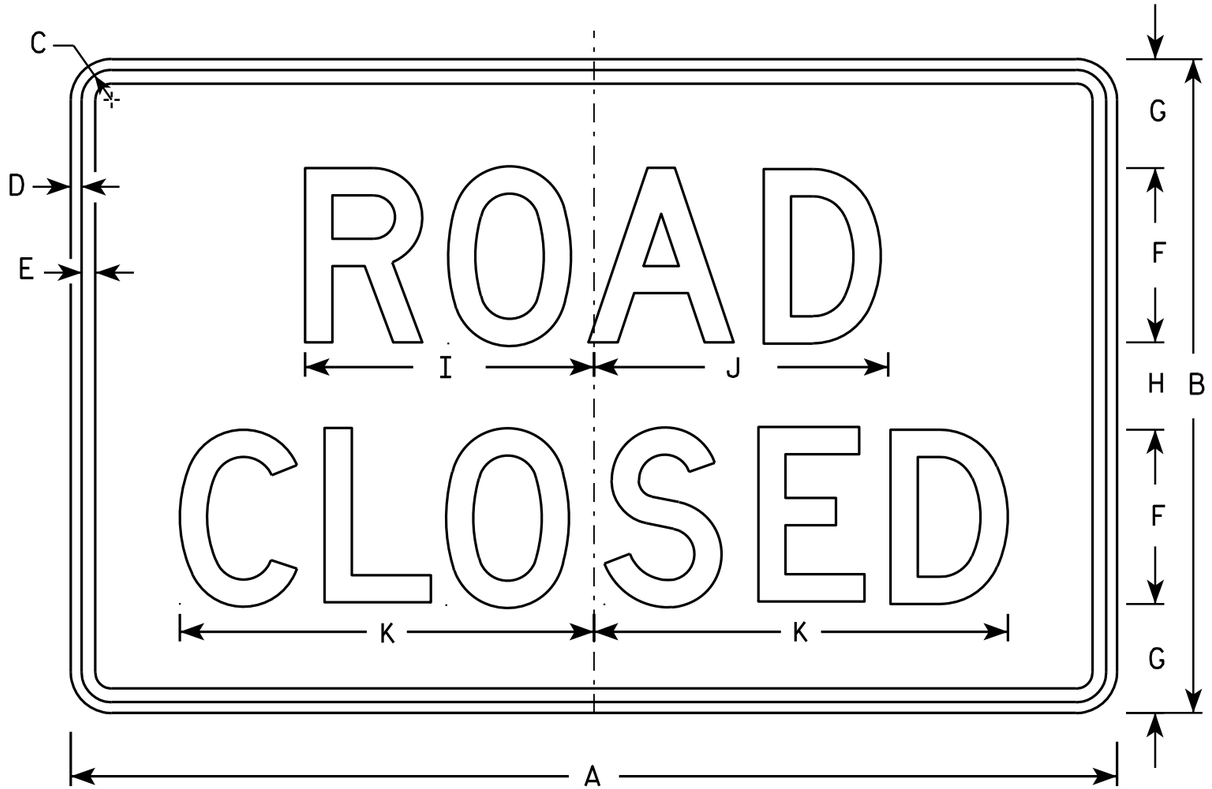
STANDARD SIGN
R10-25

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/8/10 PLATE NO. R10-25.1

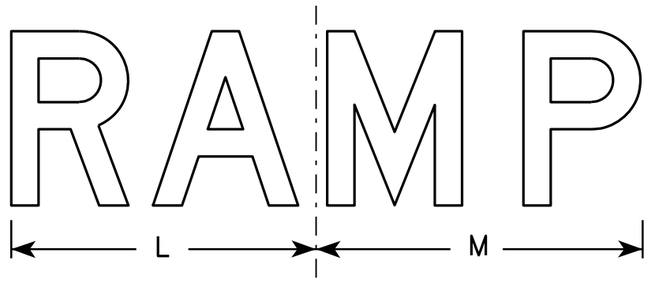
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 398	E



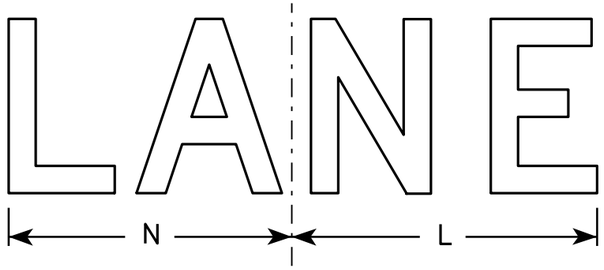
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

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

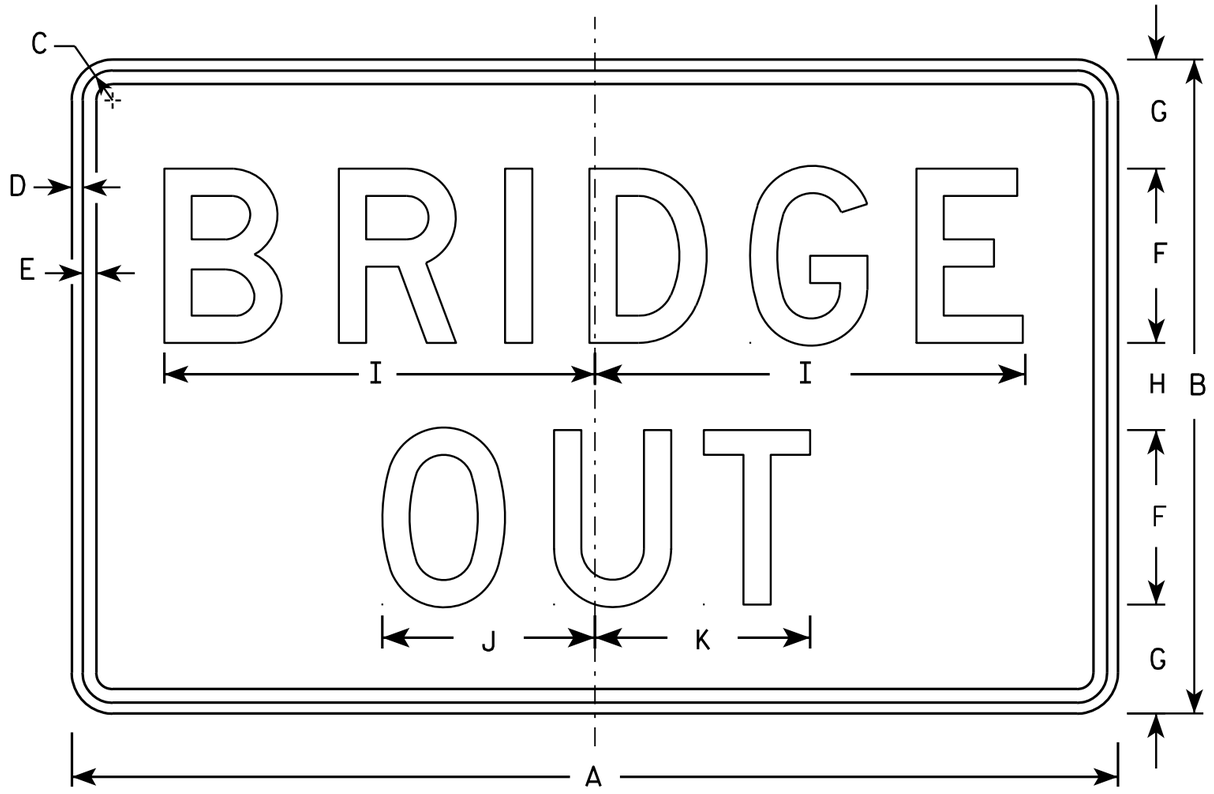
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 399	E



R11-2B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	19 3/4	9 3/4	9 7/8																10.0

STANDARD SIGN
R11-2B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

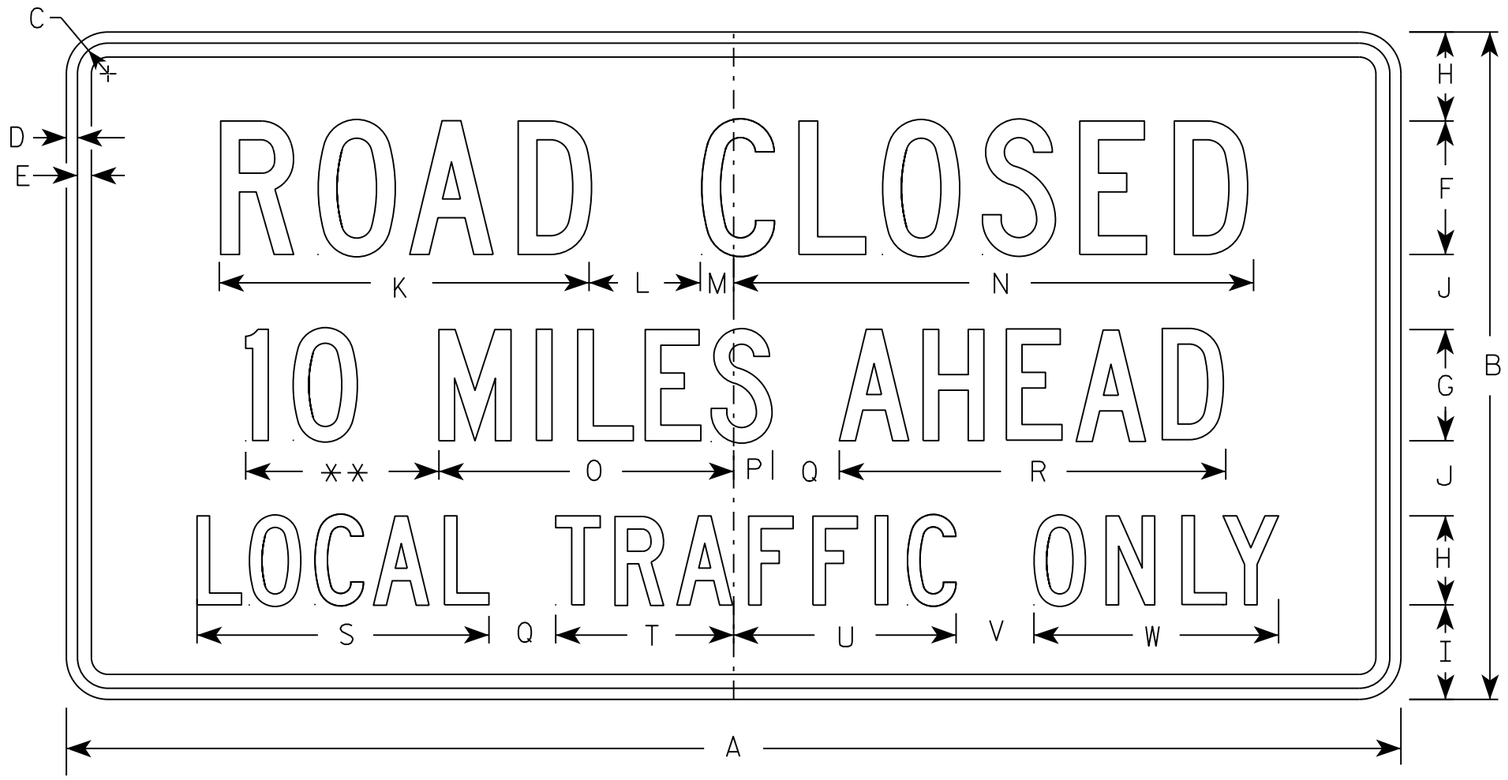
DATE 4/1/11 PLATE NO. R11-2B.2

PROJECT NO:

SHEET NO: 400 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112B.DGN PLOT DATE : 01-APR-2011 14:23 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42



R11-3

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.

** 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				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				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				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

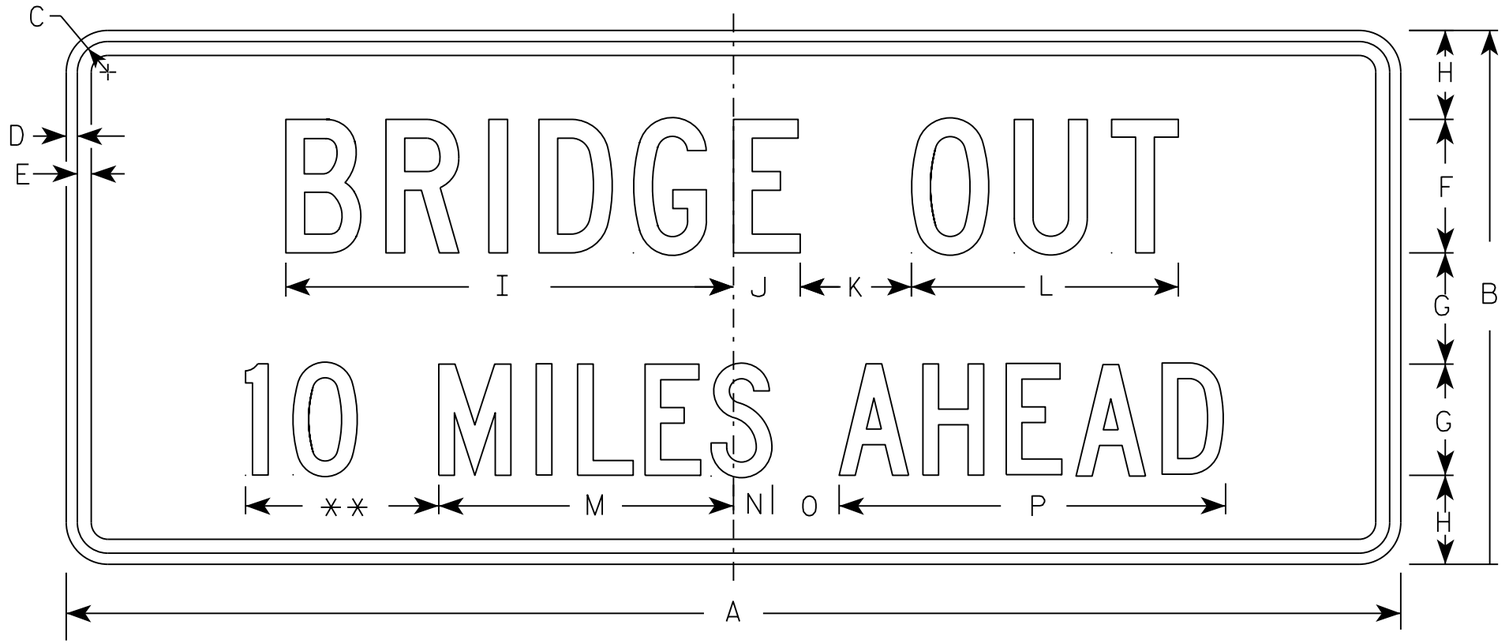
DATE 7/28/16 PLATE NO. R11-3.7

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

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113.DGN PLOT DATE : 28-JUL-2016 16:25 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 6.810445:1.000000

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.



R11-3C

** 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	15	1 3/8	1/2	5/8	4	3	2 1/2	13 1/4	2 1/4	3	8	8	1 1/2	2	10 3/4											3.75
2S	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8											10.0
2M	60	24	1 3/8	1/2	5/8	6	5	4	20 1/8	3	5	12	13 1/4	1 3/4	3	17 3/8											10.0
3																											
4																											
5																											

STANDARD SIGN
R11-3C

WISCONSIN DEPT OF TRANSPORTATION

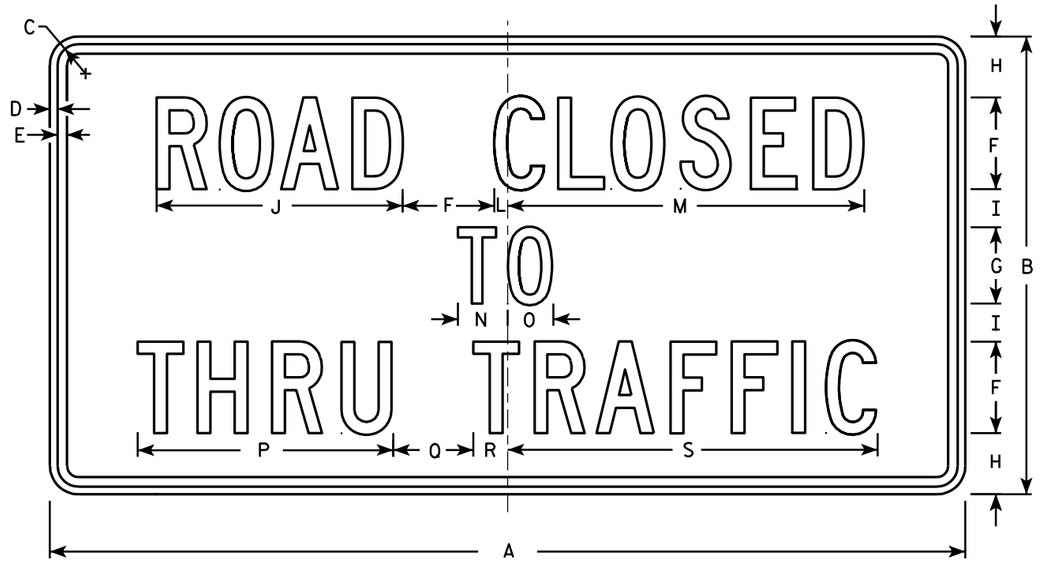
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE R11-3C.3

PROJECT NO:

SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R113C.DGN PLOT DATE : 28-JUL-2016 16:56 PLOT BY : ** platuser **



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

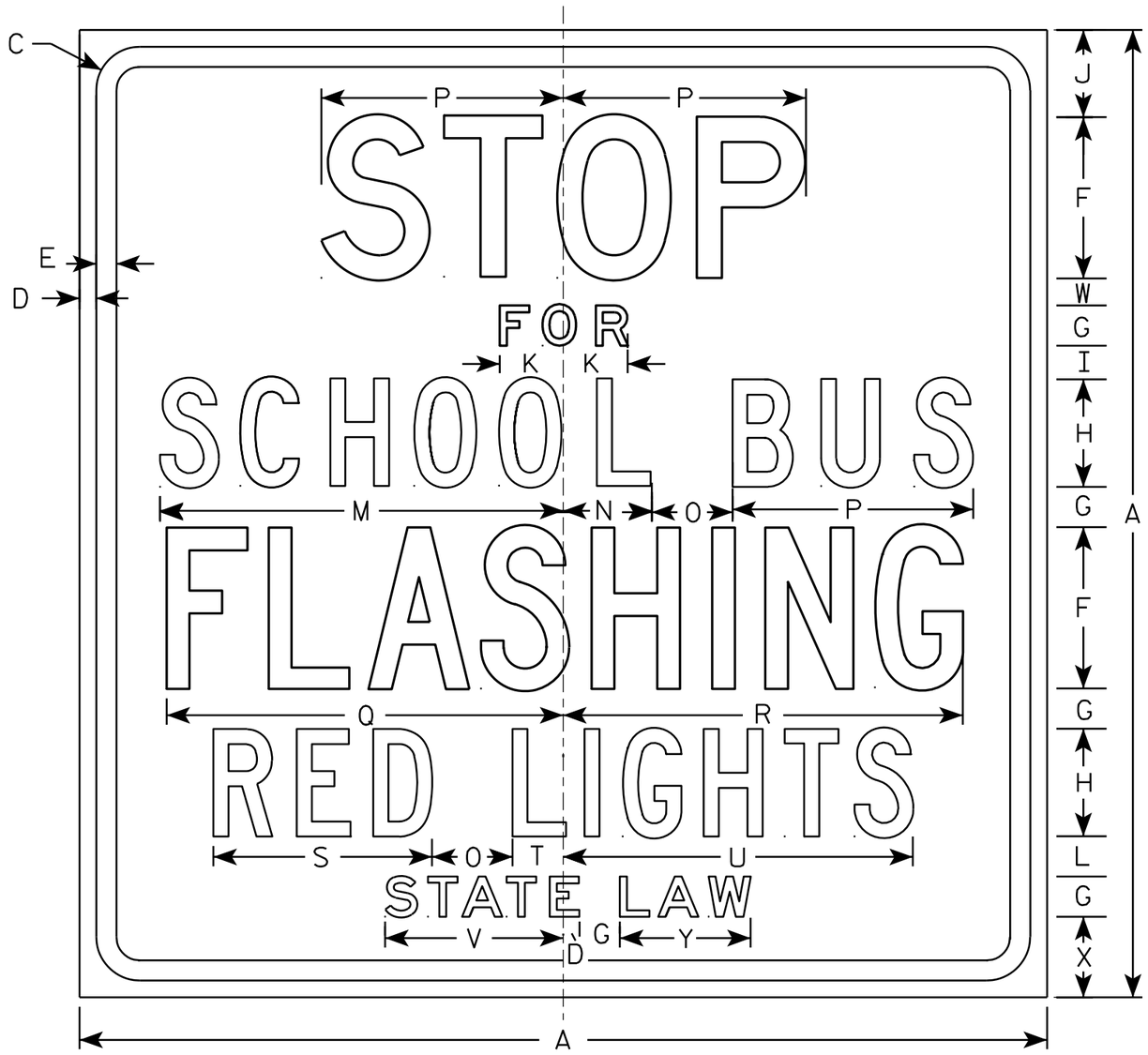
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 403 | E



R59-51

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
   Lines 2 & 6 are Series E
   Line 3, 4 & 5 are Series C

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	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
2M	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
3	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											

STANDARD SIGN
R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/30/11 PLATE NO. R59-51.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 404 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R5951.DGN 30-MAR-2011 09:59 PLOT DATE : 30-MAR-2011 09:59 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.287650:1.000000

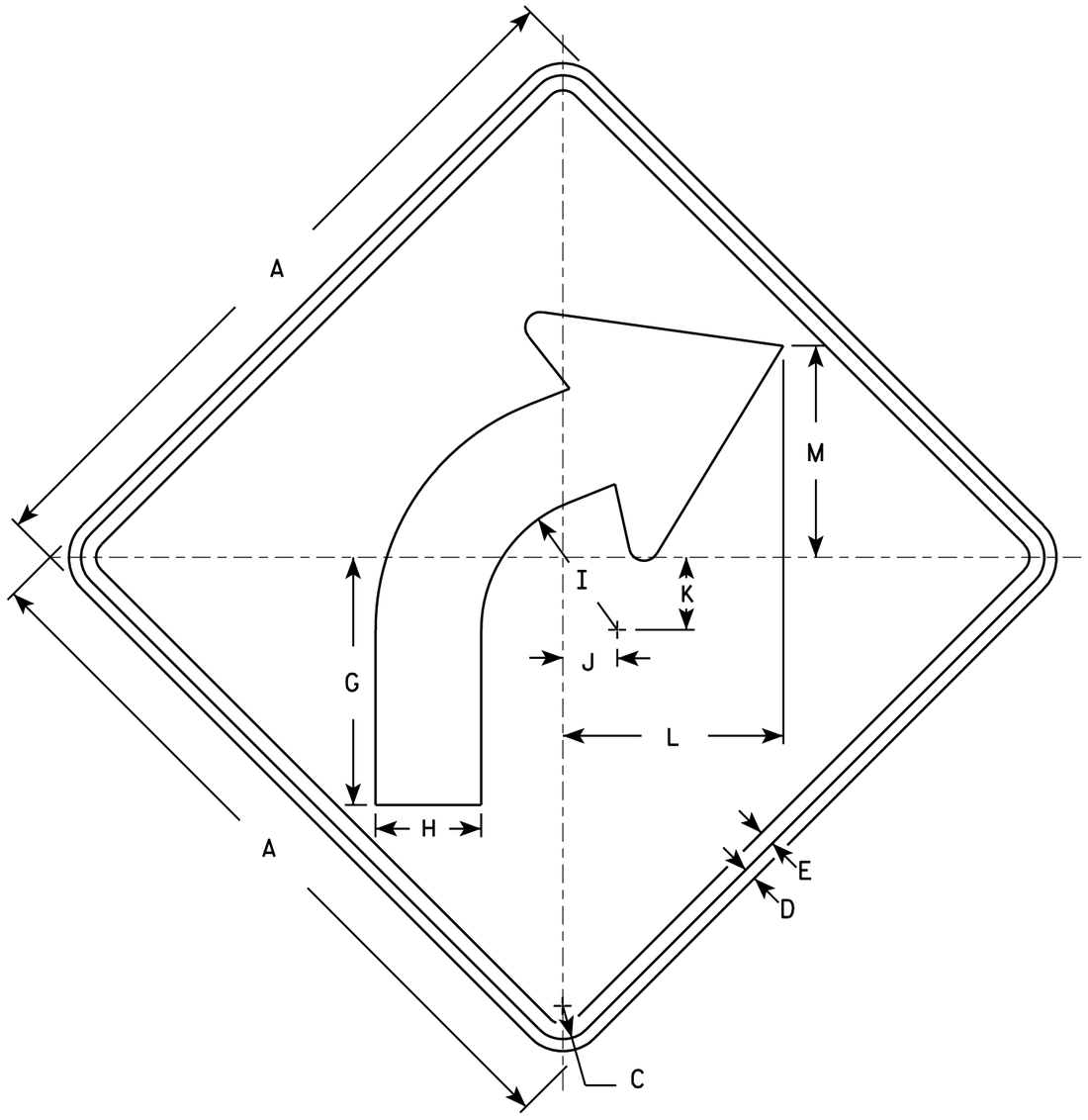
WISDOT/CADDS SHEET 42

7

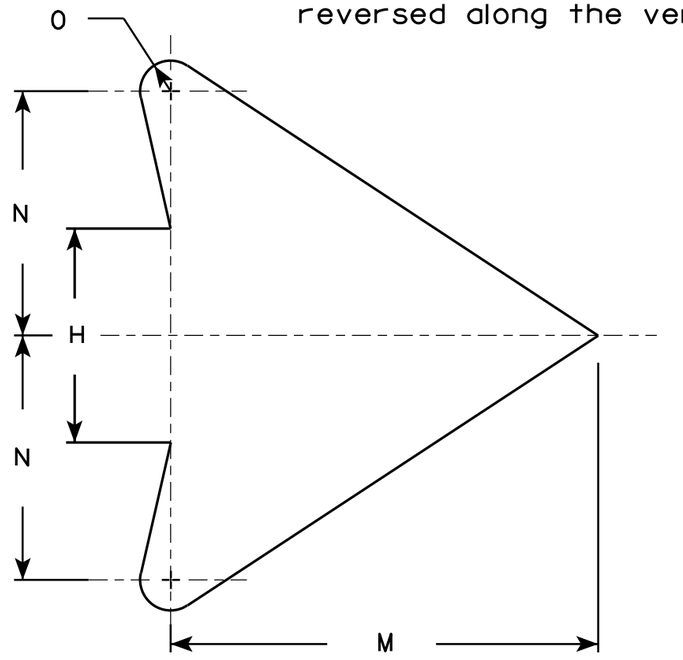
7

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. W1-2L is the same as W1-2R except the arrow is reversed along the vertical centerline.



W1-2R



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		8 1/4	3 1/2	4 1/2	1 3/4	2 3/8	7 1/4	7	4	1/2												4.0
2S	30		1 3/8	1/2	5/8		10 1/4	4 3/8	5 5/8	2 1/4	3	9 1/8	8 3/4	5	5/8												6.25
2M	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
3	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
4	36		1 5/8	5/8	3/4		12 3/8	5 1/4	6 3/4	2 5/8	3 1/2	10 7/8	10 1/2	6	3/4												9.0
5	48		2 1/4	3/4	1		16 1/2	7	9	3 1/2	4 5/8	14 1/2	14	8	1												16.0

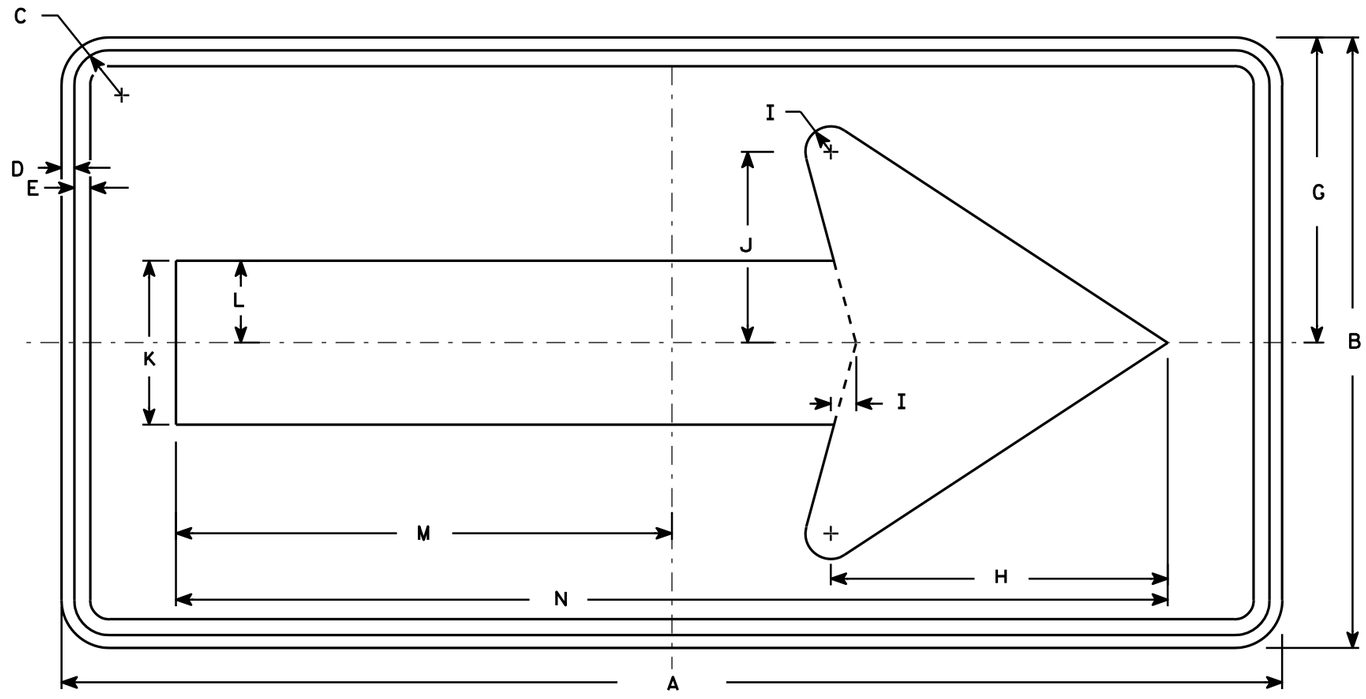
STANDARD SIGN
W1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/15/12 PLATE NO. W1-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 405	E



W1-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	3/8		9	10	3/4	5 5/8	4 3/4	2 3/8	14 5/8	29 1/4													4.5
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	96	48	2 1/4	3/4	1		24	26 1/2	2	15	13	6 1/2	39	78													32.0

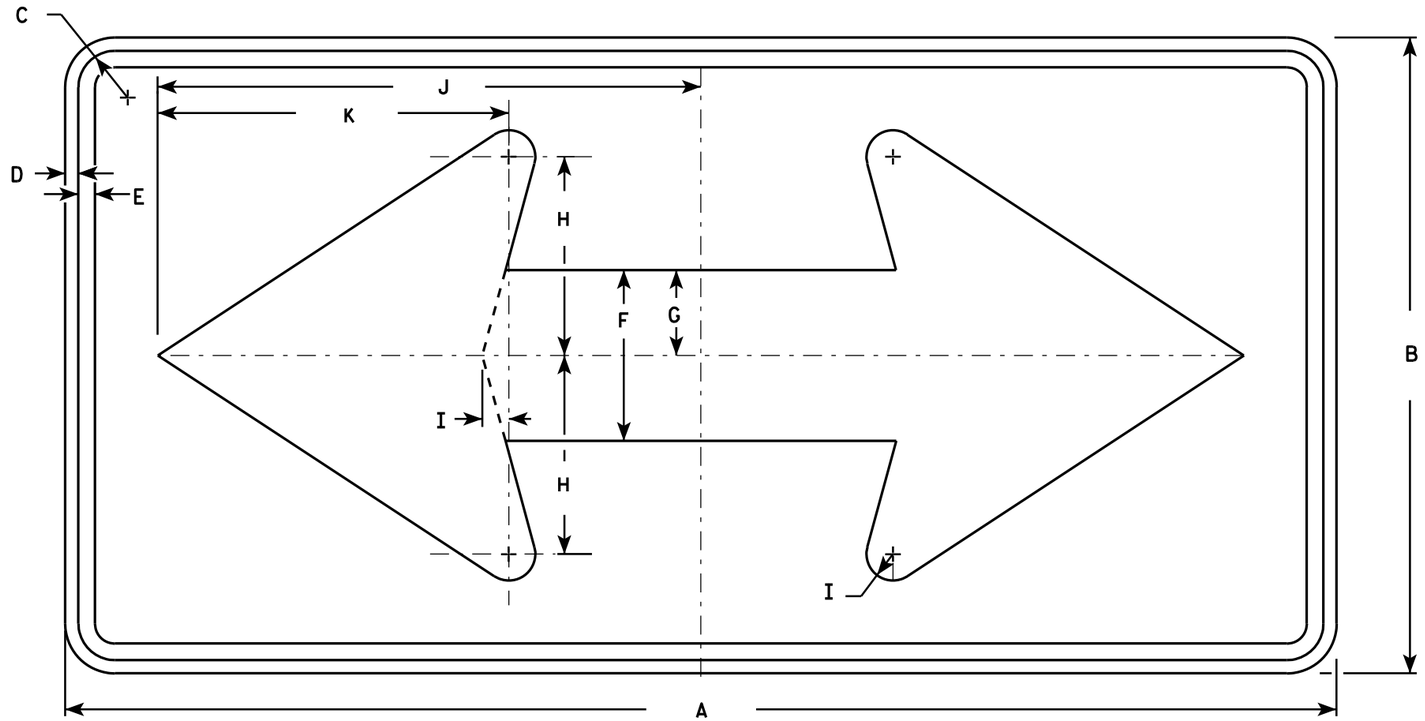
STANDARD SIGN
W1-6

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-6.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 406



W1-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/8	3/8	1/2	5	2 1/2	5 3/4	3/4	15 5/8	10 1/8																4.5
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	96	48	2 1/4	3/4	1	13	6 1/2	15	2	41	26 1/2																32.0

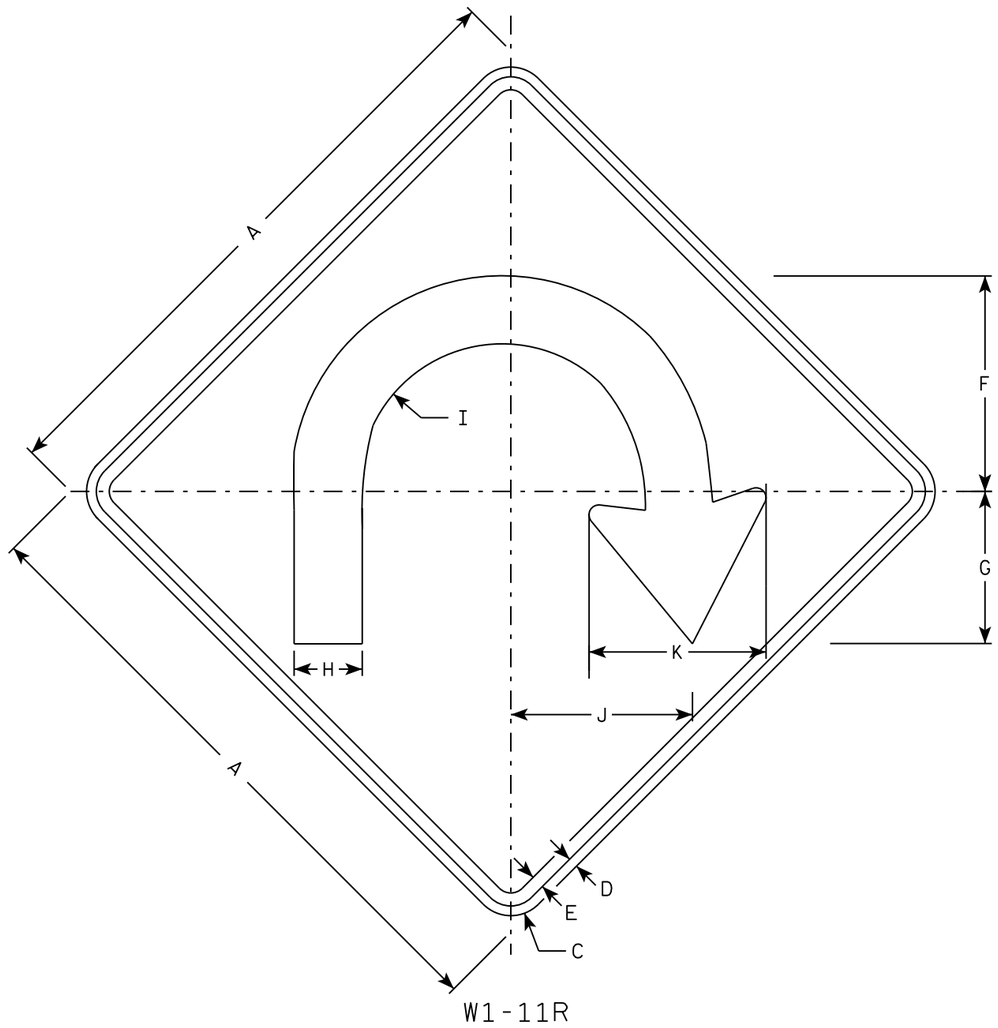
STANDARD SIGN
W1-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W1-7.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 407 | E



W1-11R

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black
3. W1-11L is the same as W1-11R except arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	12 1/2	8 3/4	4	8 1/4	10 1/2	10 1/4																9.0
2M	36		1 5/8	5/8	3/4	12 1/2	8 3/4	4	8 1/4	10 1/2	10 1/4																9.0
3	36		1 5/8	5/8	3/4	12 1/2	8 3/4	4	8 1/4	10 1/2	10 1/4																9.0
4	36		1 5/8	5/8	3/4	12 1/2	8 3/4	4	8 1/4	10 1/2	10 1/4																9.0
5	48		2 1/4	3/4	1	16 5/8	11 3/4	5 1/4	11	14	13 5/8																16.0

STANDARD SIGN
W1-11 L&R

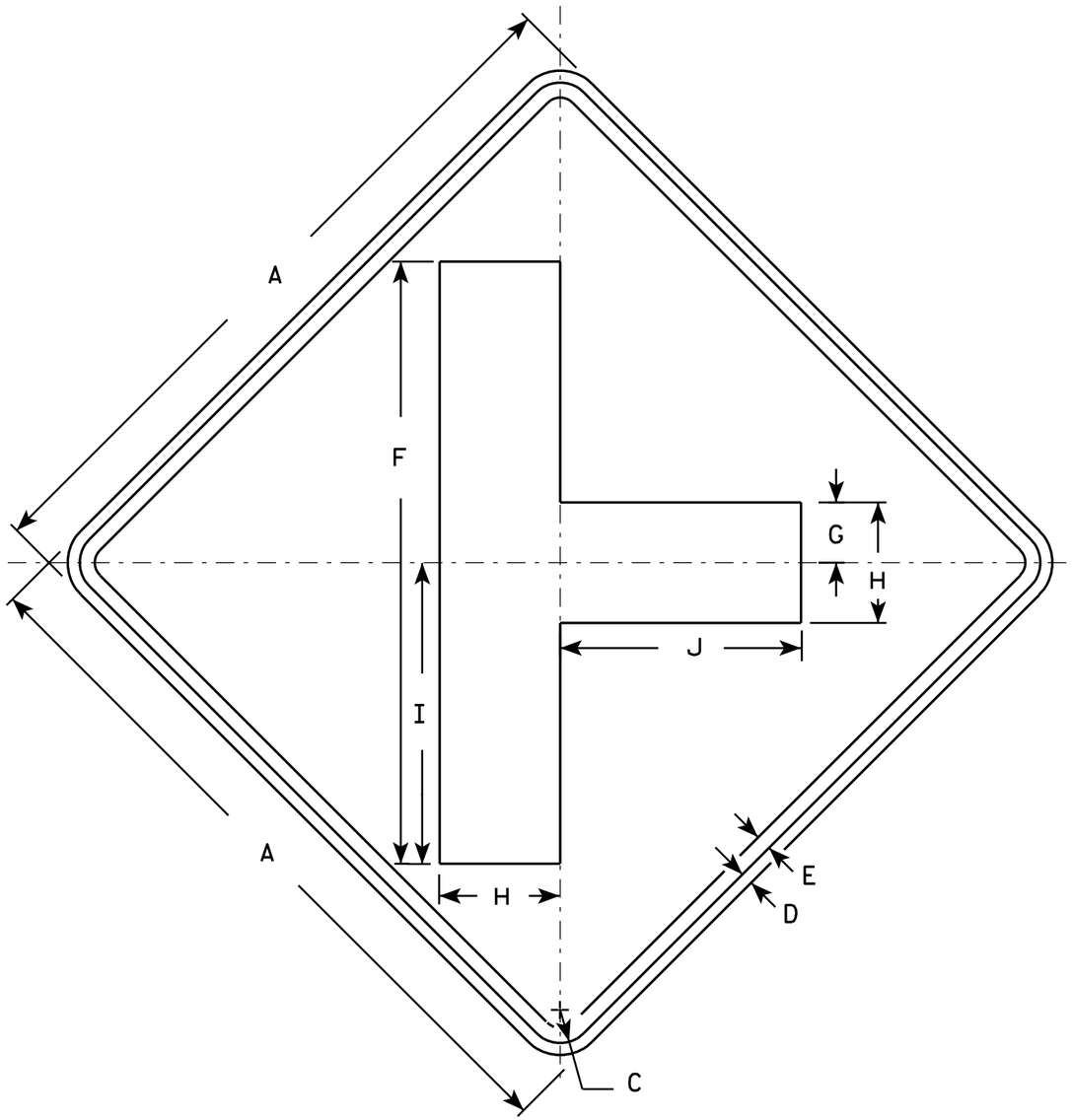
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/1/16 PLATE NO W1-11A.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W11A.DGN PLOT DATE : 04-AUG-2016 10:34 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



W2-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	20	2	4	10	8																	4.0
2S	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
2M	30		1 3/8	1/2	5/8	25	2 1/2	5	12 1/2	10																	6.25
3	36		1 5/8	5/8	3/4	30	3	6	15	12																	9.0
4	48		2 1/4	3/4	1	40	4	8	20	16																	16.0
5																											

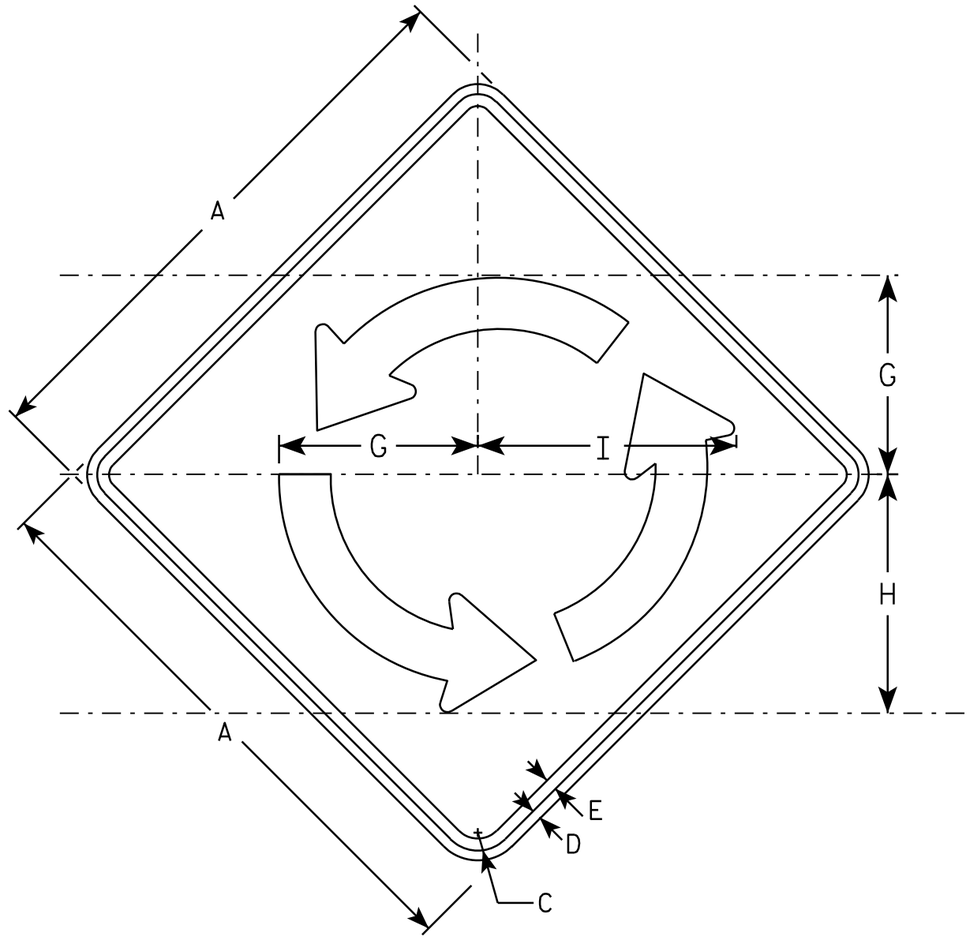
STANDARD SIGN
W2-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/29/12 PLATE NO. W2-2.6

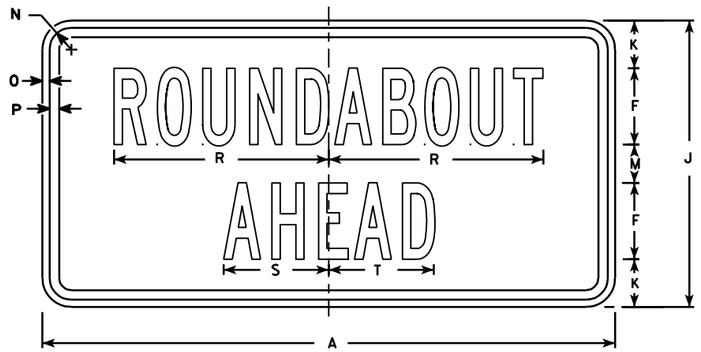
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 409	E



W2-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   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.



W2-6P

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	W2-6 Area sq. ft.	W2-6P Area sq. ft.
1																										
2S	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
2M	30		1 3/8	1/2	5/8	4	10 3/8	12 1/2	13 1/2	15	2 1/2		2	1 1/8	3/8	1/2		11 1/4	5 1/2	5 1/2					6.25	3.12
3	36		1 5/8	5/8	3/4	5	12 1/2	15	16 1/4	18	2 5/8		2 3/4	1 1/8	3/8	1/2		14	7	6 3/4					9.00	4.50
4	48		2 1/4	3/4	1	6	16 5/8	20	16 1/4	24	4 3/8		3 5/8	1 3/8	1/2	5/8		17	8 1/4	8 1/4					16.0	8.0
5																										

STANDARD SIGN
W2-6

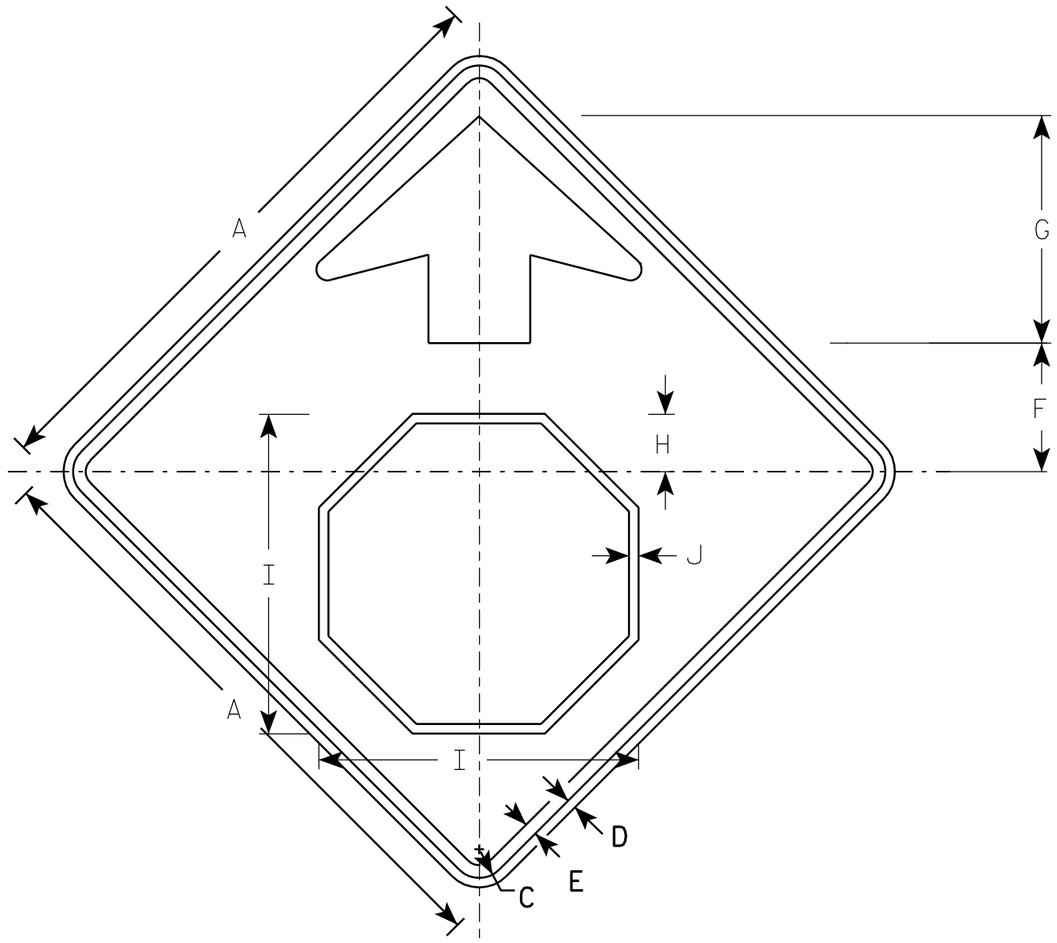
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/29/12 PLATE NO. W2-6.5

PROJECT NO:

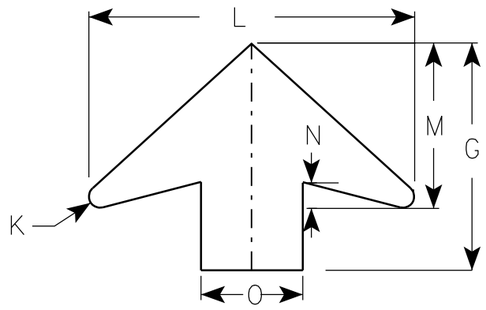
SHEET NO: 410 E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

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

STANDARD SIGN
W3-1

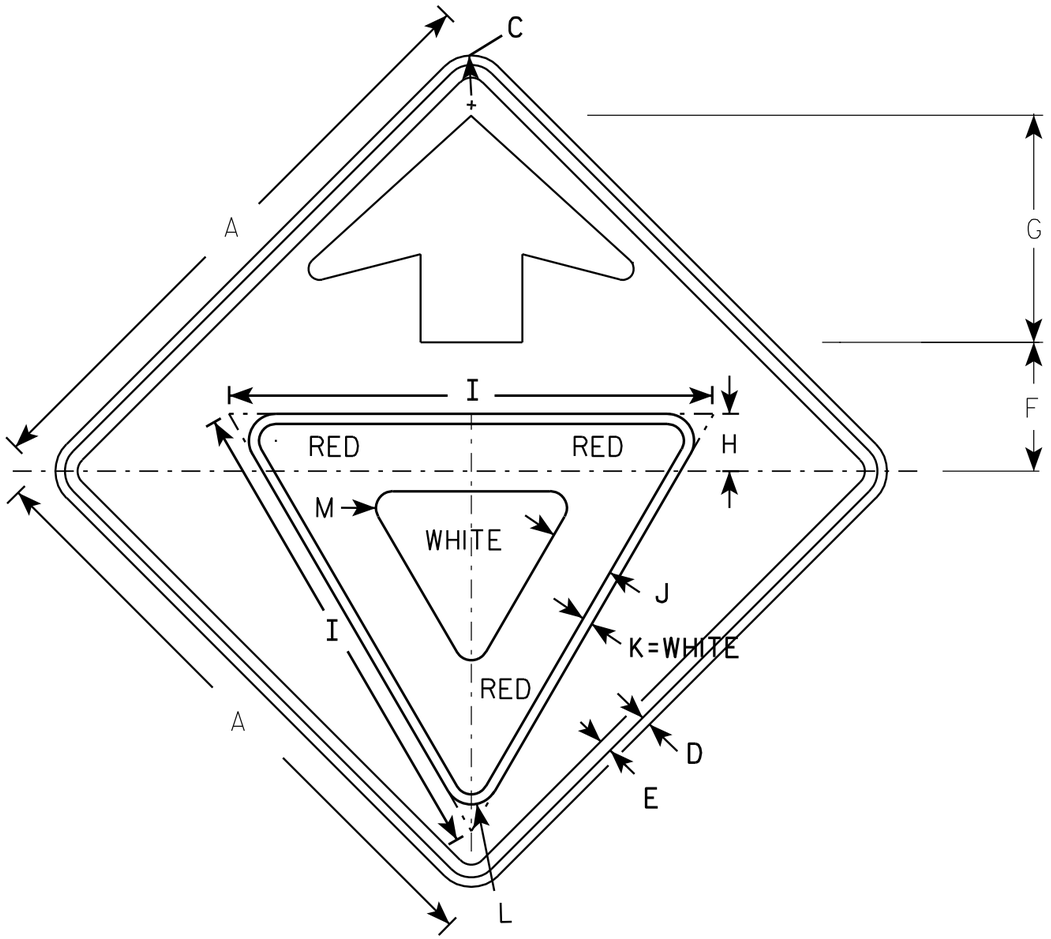
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

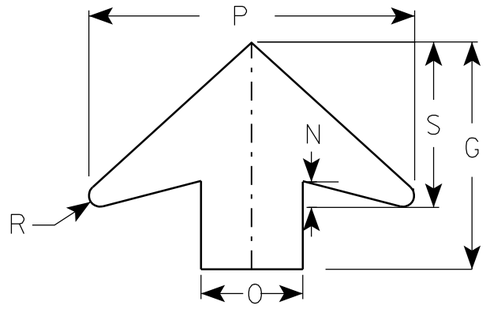
SHEET NO: 411 E



W3-2

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Yield Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	3	25	3 3/8	1/2	1 3/8	7/8	1 1/4	5	16		1/2	8								6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 3/8	28	3 3/4	5/8	1 1/2	1	1 5/8	6	19 1/4		5/8	9 3/4								9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	38	5	3/4	2 1/8	1 3/8	2	8	25 5/8		7/8	13								16.0

STANDARD SIGN
W3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-2..9

PROJECT NO:

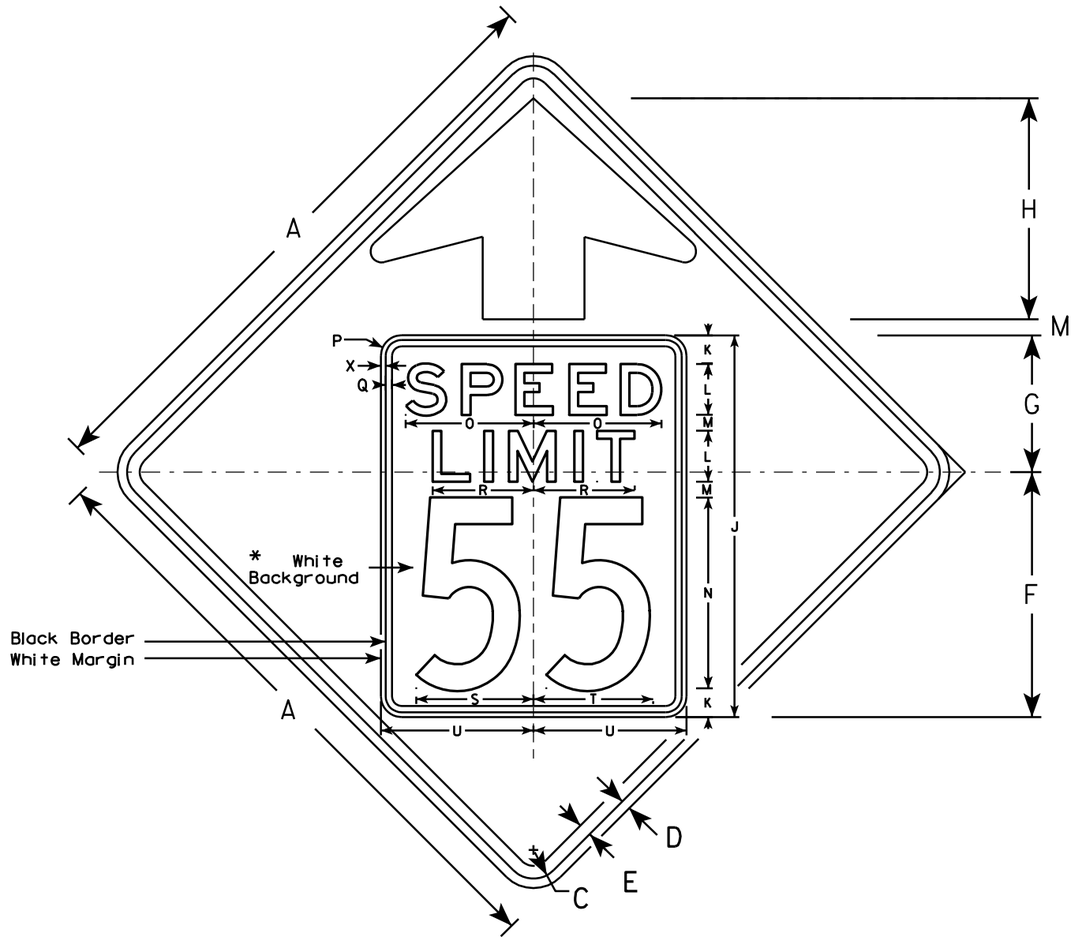
SHEET NO: 412 E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W32.DGN PLOT DATE : 07-JUN-2010 13:03 PLOT BY : ditjph

WISDOT/CADDS SHEET 42

7

7

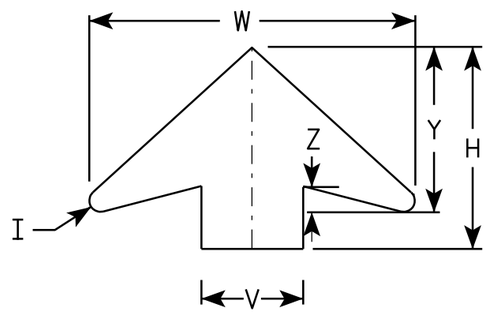


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

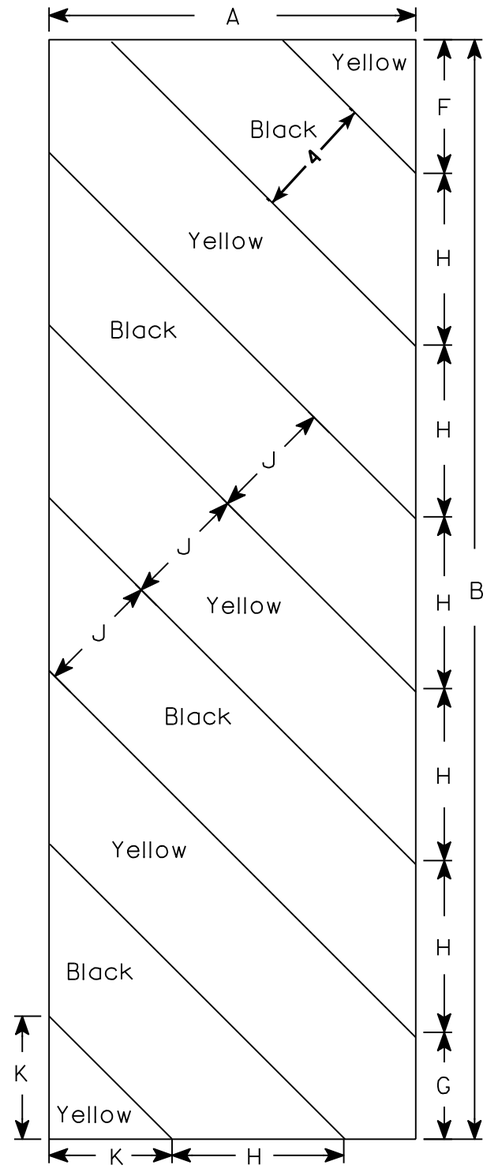
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

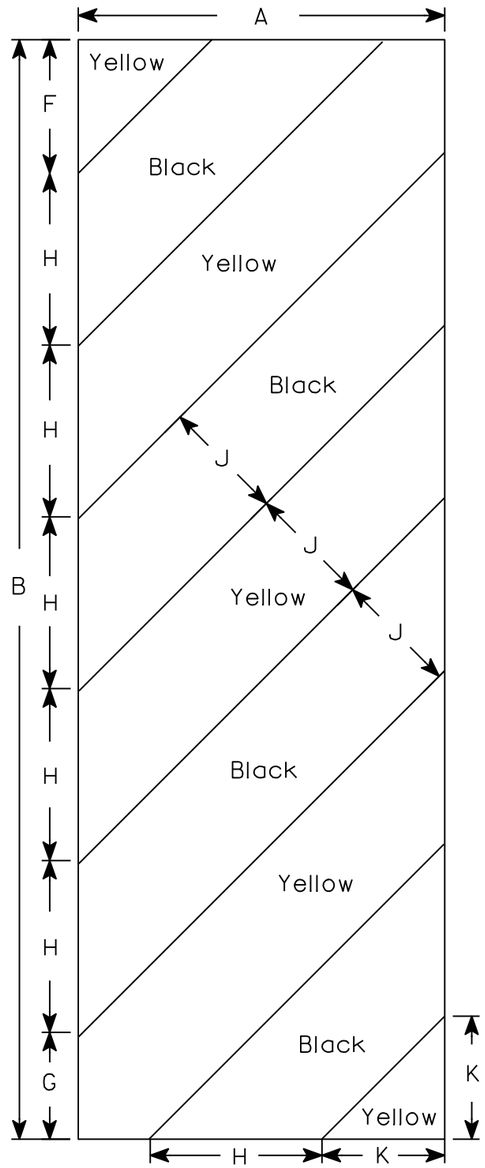
DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 413 E



W5-52L



W5-52R

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. Alternate colors of stripes as shown.

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	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
2M	12	36				4 3/8	3 1/2	5 5/8	45°	4	4																3.0
3	18	54				6	5 1/2	8 1/2	45°	6	6 9/16																6.75
4																											
5																											

STANDARD SIGN

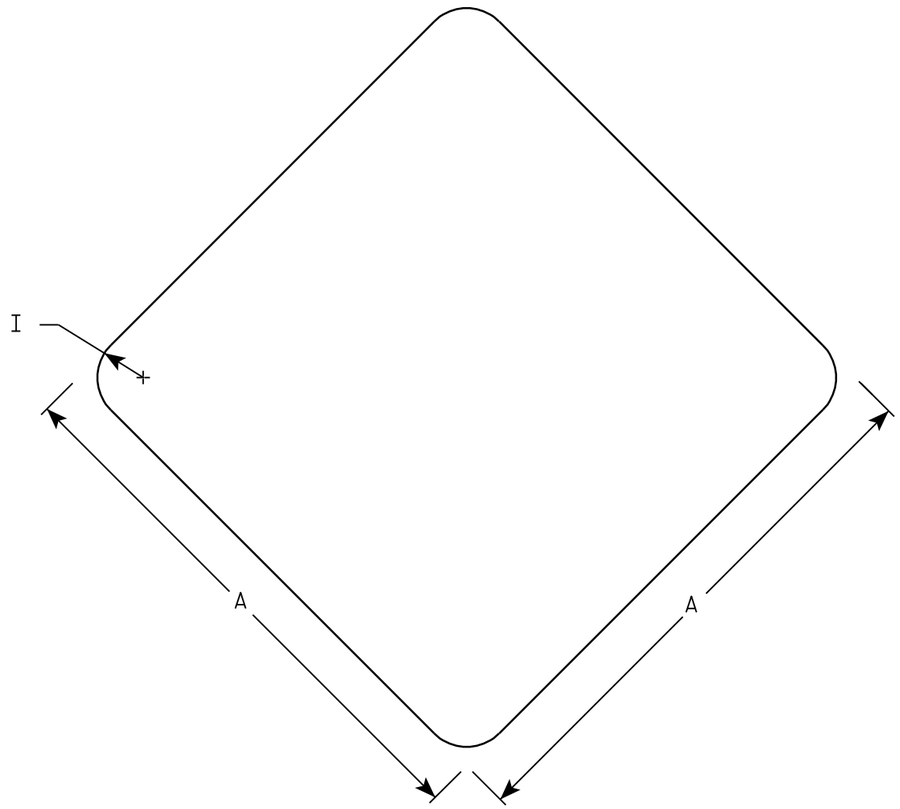
W5-52L & W5-52R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/29/12 PLATE NO. W5-52.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 414 | 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																											

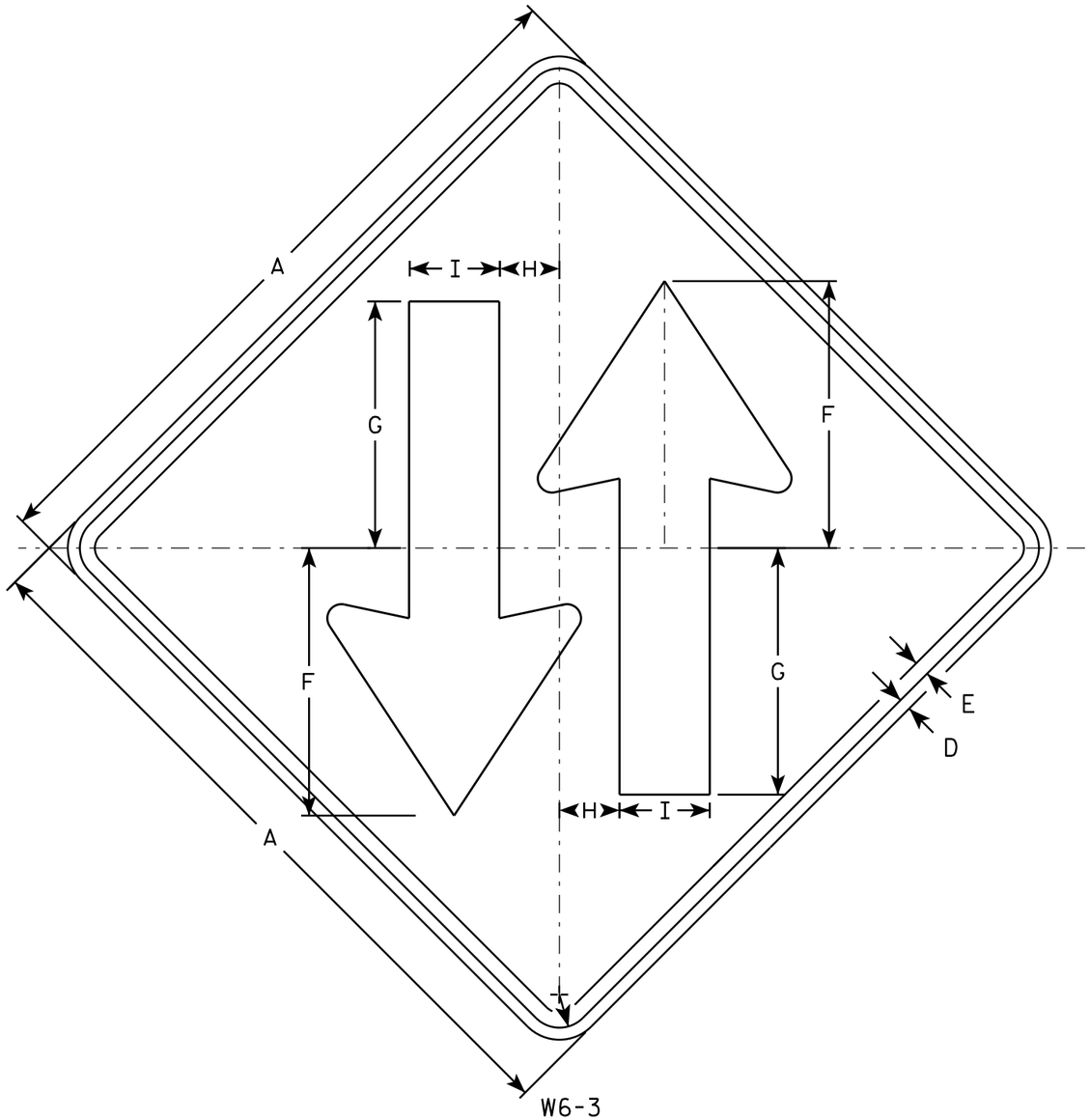
STANDARD SIGN
W5-54

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/3/10 PLATE NO. W5-54.8

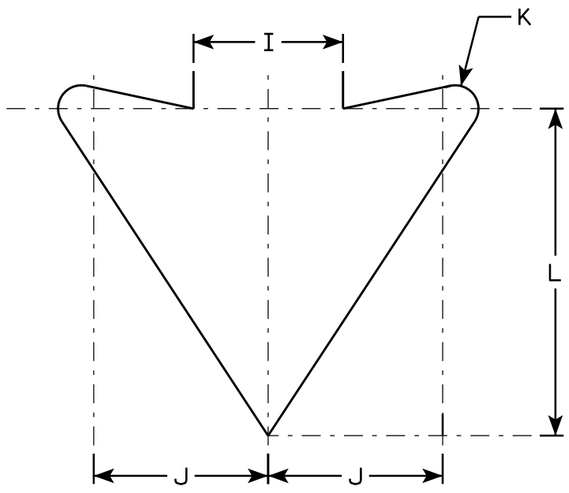
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 415 | E



W6-3

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - 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	30		1 3/8	1/2	5/8	11 1/8	10 1/4	2 1/2	3 3/4	4 3/8	5/8	8 1/4															6.25
2S	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
2M	36		1 5/8	5/8	3/4	13 3/8	12 1/4	3	4 1/2	5 1/4	3/4	9 7/8															9.0
3																											
4	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0
5	48		2 1/4	3/4	1	17 3/4	16 3/8	4	6	7	1	13 1/8															16.0

STANDARD SIGN
W6-3

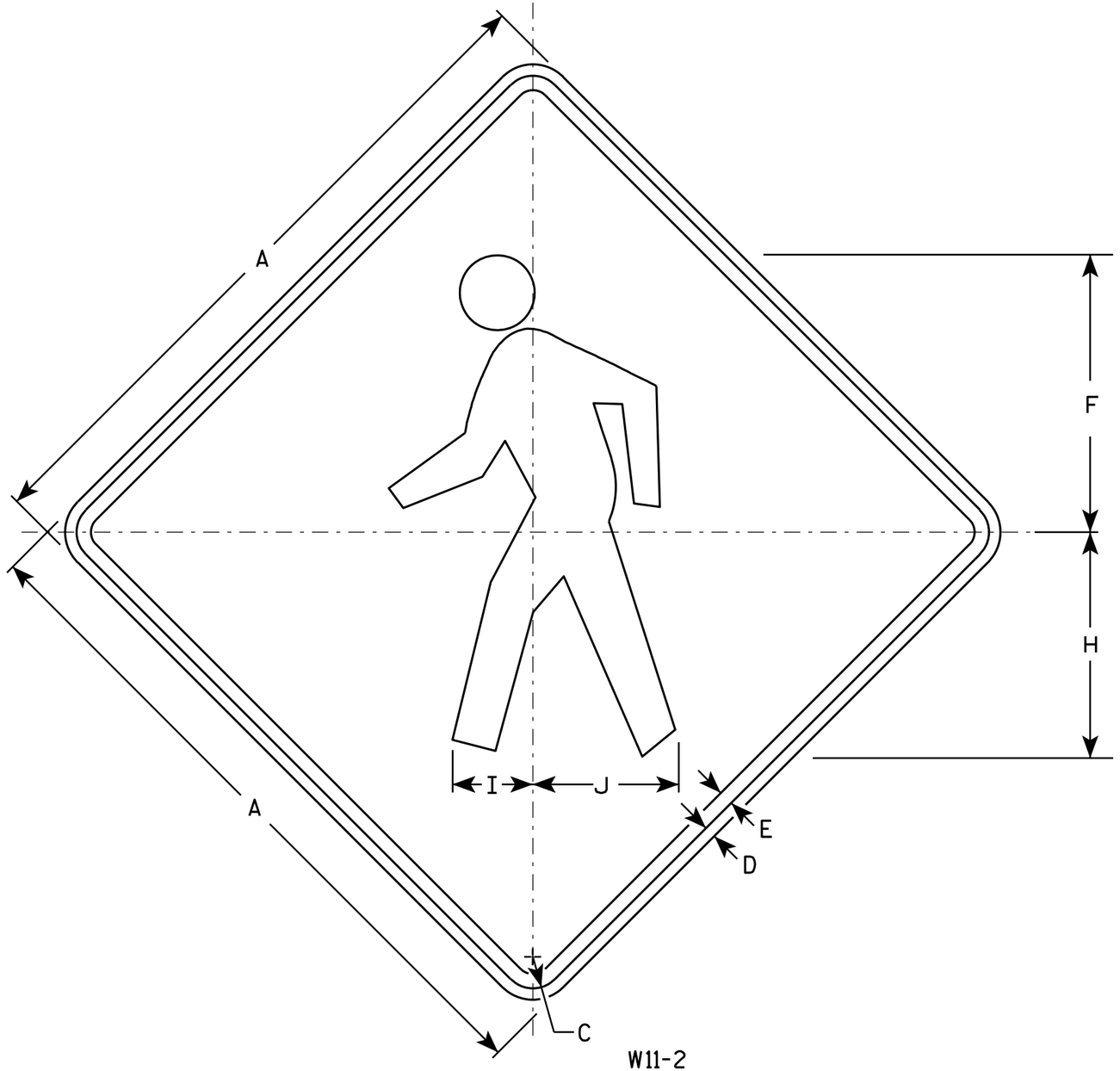
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/10/16 PLATE W6-3.11

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W63.DGN PLOT DATE : 10-MAR-2016 14:01 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.080757:1.000000
WISDOT/CADDS SHEET 42



W11-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

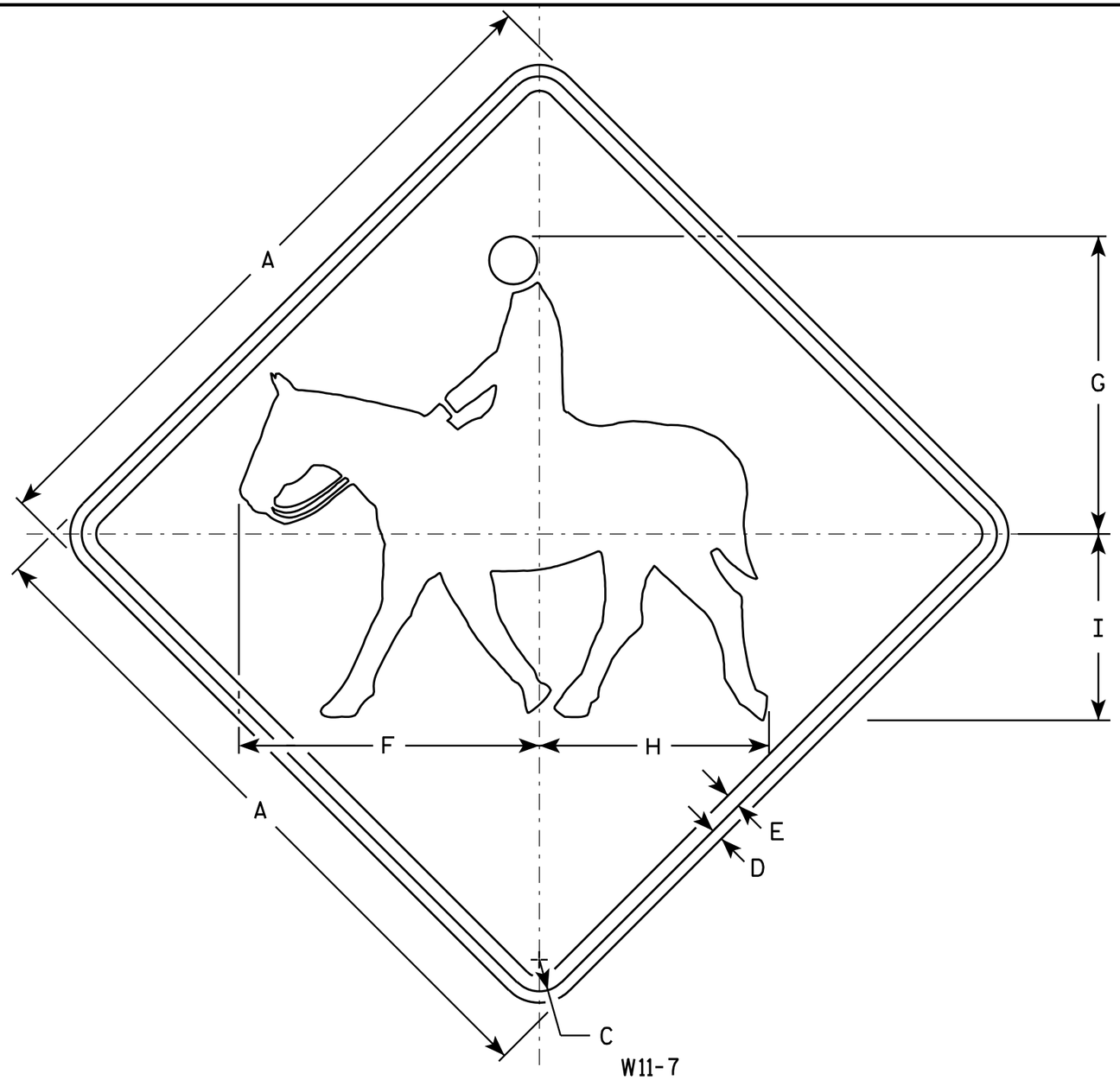
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W11-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 417	E



W11-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	10 5/8	8	6 1/2																		4.0
2S	30		1 3/8	1/2	5/8	13	13	10	8 1/8																		6.25
2M	30		1 3/8	1/2	5/8	13	13	10	8 1/8																		6.25
3	36		1 5/8	5/8	3/4	15 1/2	15 5/8	12	9 3/4																		9.0
4	48		2 1/4	3/4	1	21	21	16	13																		16.0
5																											

STANDARD SIGN
W11-7

WISCONSIN DEPT OF TRANSPORTATION

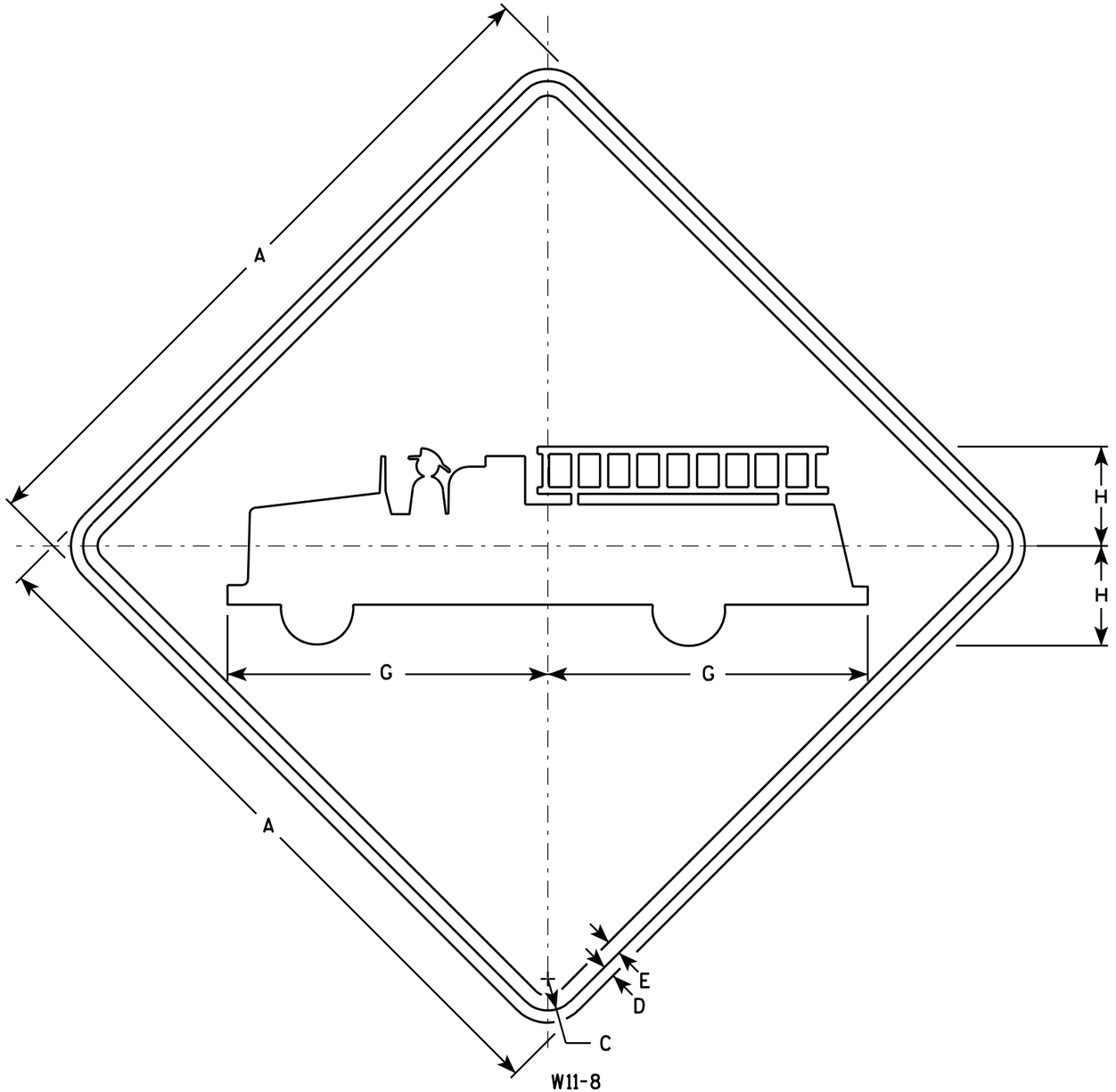
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-7.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 418 | E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W117.DGN PLOT DATE : 13-MAR-2013 12:58 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.706180:1.000000
WISDOT/CADDS SHEET 42



W11-8

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2		11	3 3/8																			4.0
2S	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
2M	30		1 3/8	1/2	5/8		13 3/4	4 3/8																			6.25
3	36		1 5/8	5/8	3/4		16 1/2	5 1/4																			9.0
4	48		2 1/4	3/4	1		22	7																			16.0
5																											

STANDARD SIGN
W11-8

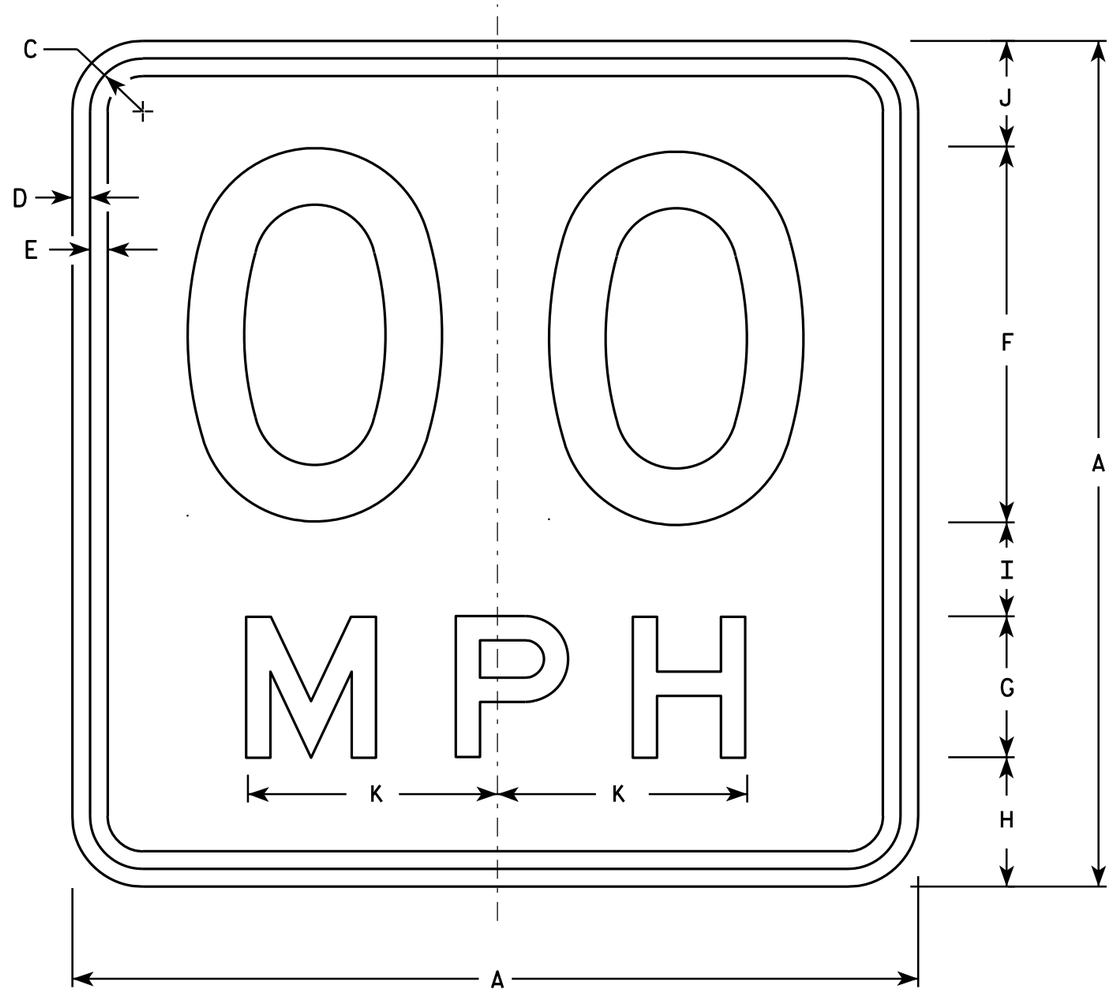
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W11-8.7

PROJECT NO:

SHEET NO: 419 E



W13-1

* For 30" x 30" Warning Signs, use 18" x 18" W13-1 signs.
For 36" x 36" Warning Signs, use 24" x 24" W13-1 signs.

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - See Note 6
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 space about centerline to achieve proper balance.
6. Line 1 is Series D
   Line 2 is Series E

	SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
	1	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2S	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
*	2M	18		1 1/8	3/8	3/8	8	3	2 3/4	2	2 1/4	5 3/8																2.25
	3	24		1 1/8	3/8	1/2	10	4	4	2 3/4	3 1/4	6 5/8																4.00
	4	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00
	5	36		1 5/8	5/8	3/4	16	6	5 1/2	4	4 1/2	10 5/8																9.00

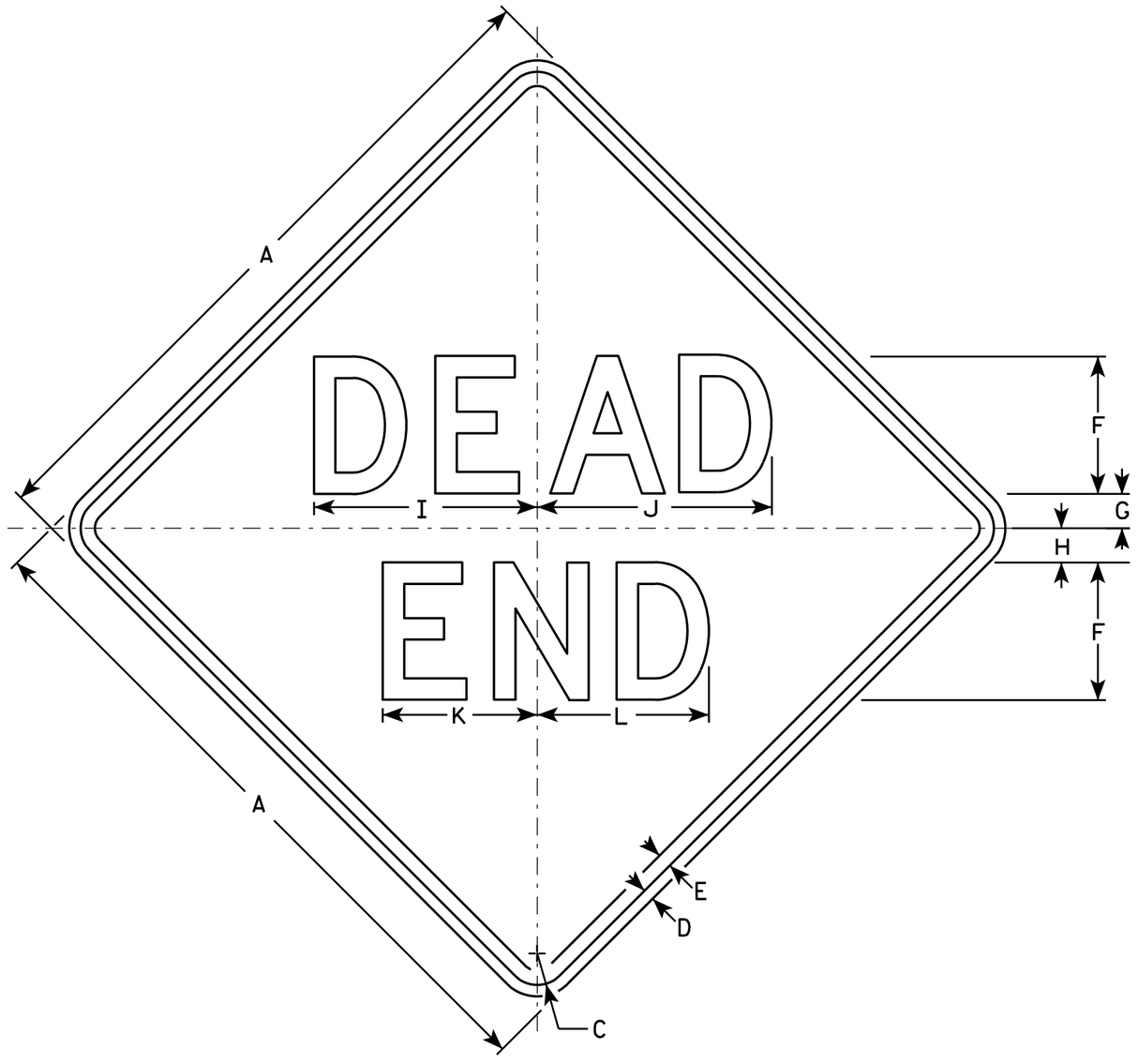
STANDARD SIGN
W13-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/31/12 PLATE NO. W13-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 420 | E



W14-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   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	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

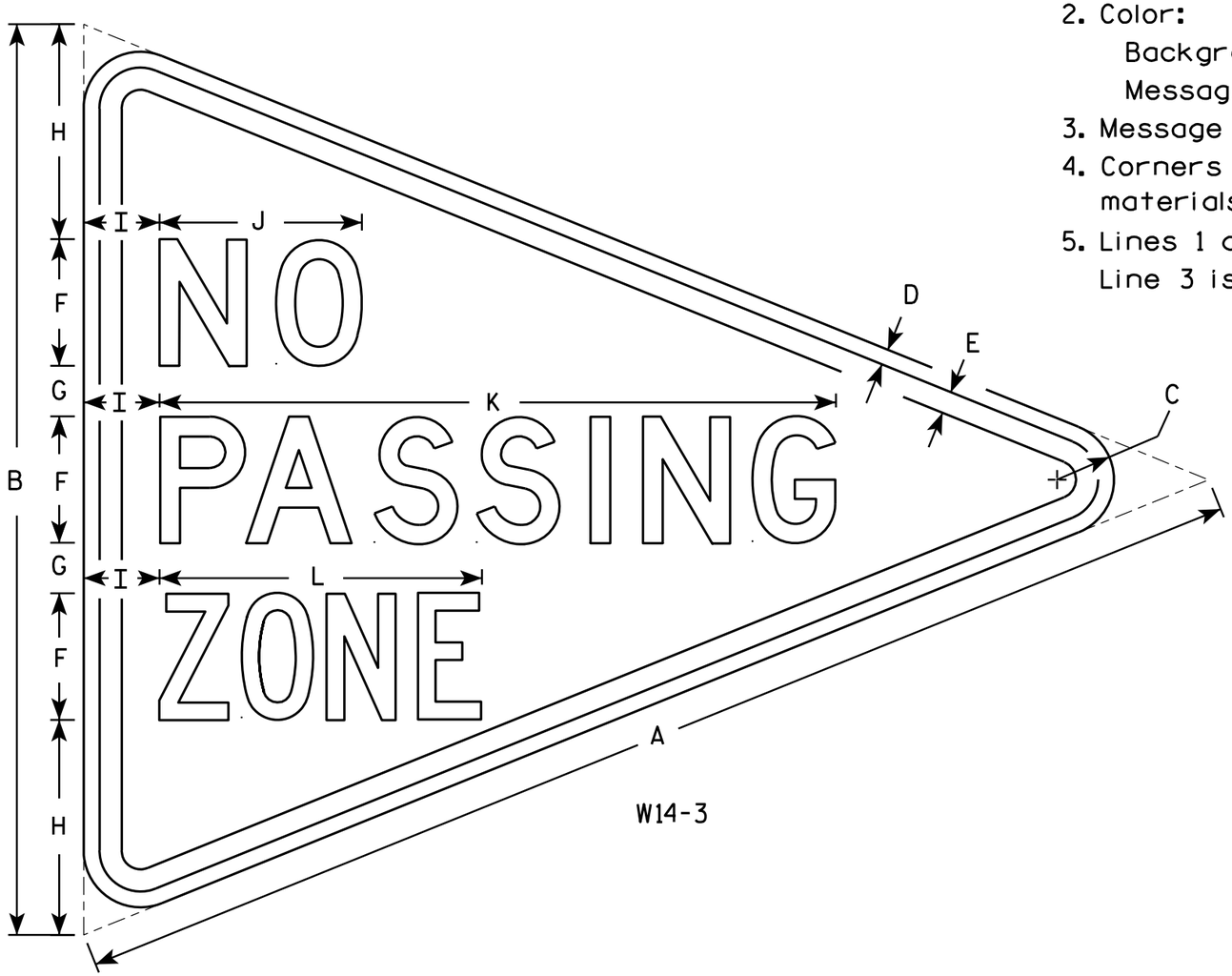
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 421	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. Message Series - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

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	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

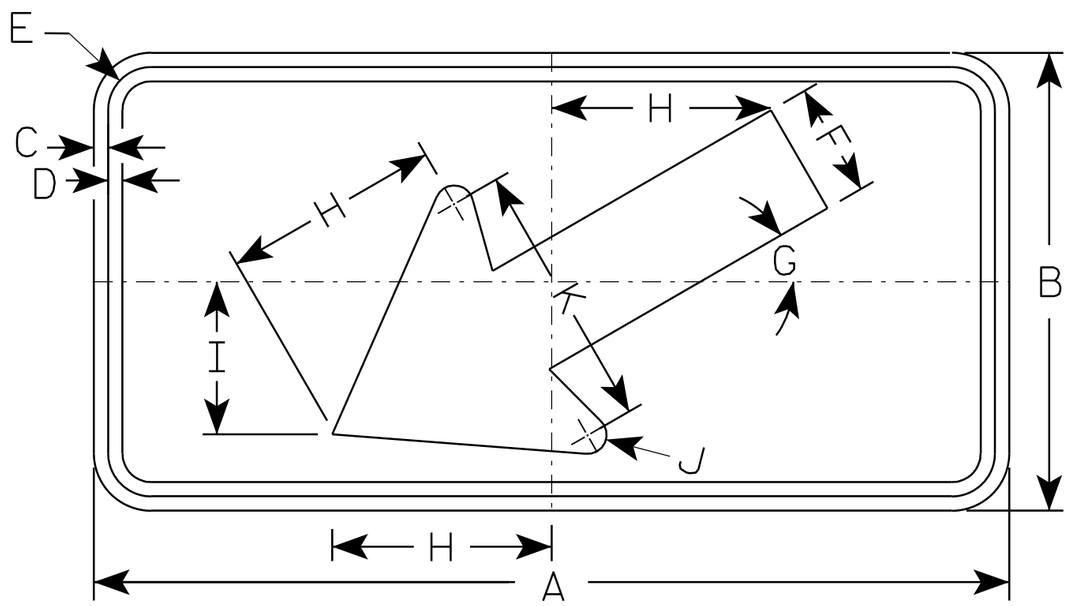
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 422	E



W16-7L

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W16-7R is the same as W16-L except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	3/8	3/8	1 1/8	3	30°	5 3/4	4	1/2	7																2.0
2M	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
3	30	18	3/8	1/2	1 1/8	4 1/2	30°	8 1/2	6	5/8	10 1/4																3.75
4																											8
5																											8

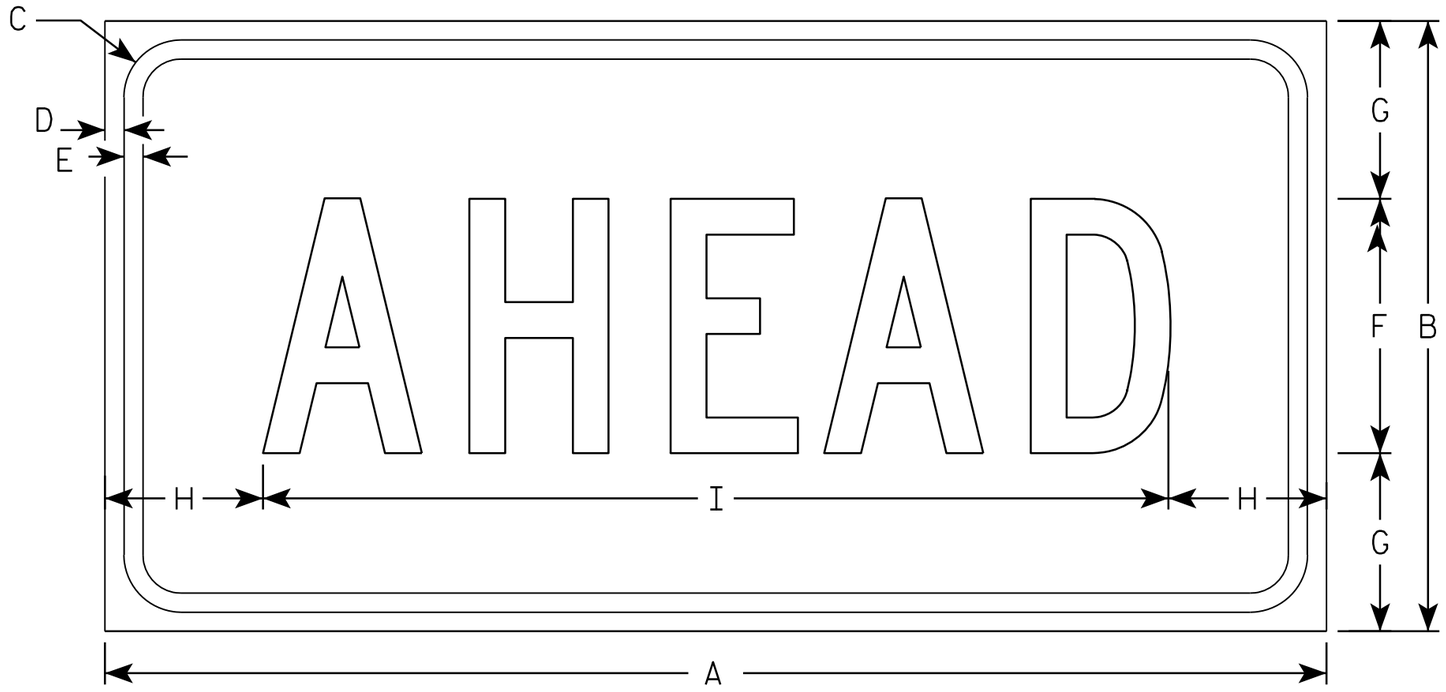
STANDARD SIGN
W16-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. W16-7.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 423	E



W16-9P

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
W16-9P

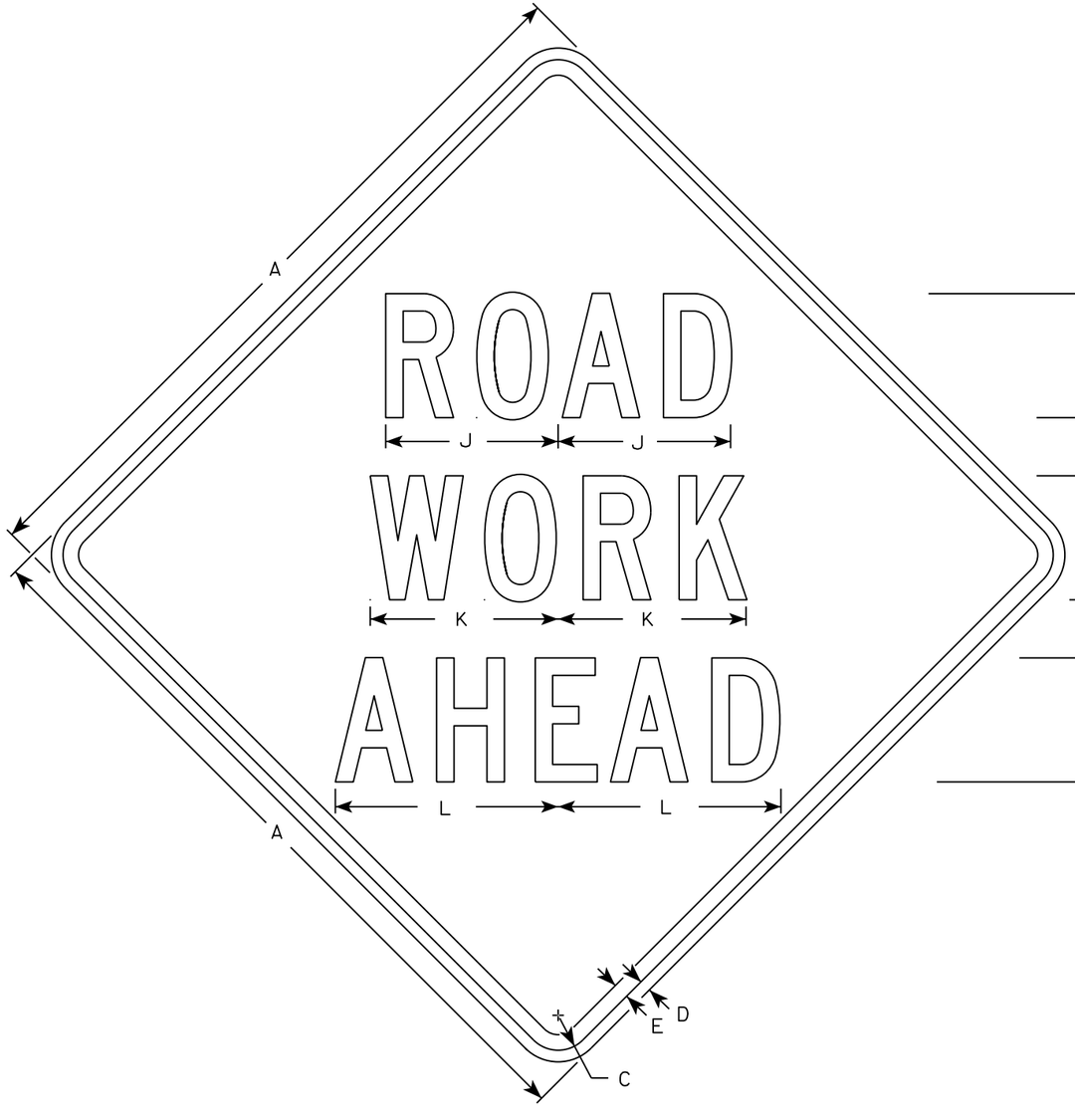
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

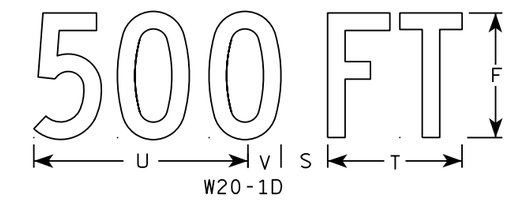
DATE 12/28/10 PLATE NO. W16-9P.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 424 | E

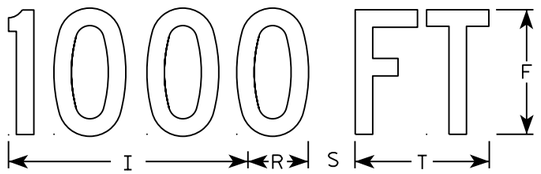
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W169P.DGN PLOT DATE : 28-DEC-2010 13:39 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 2.979524:1.000000
WISDOT/CADDS SHEET 42



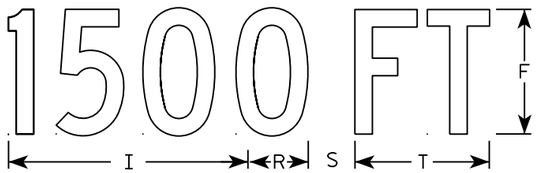
W20-1A



W20-1D

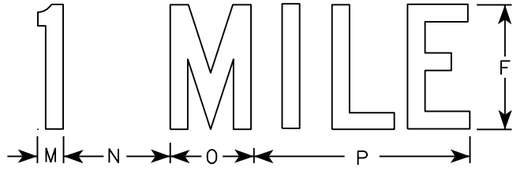


W20-1C

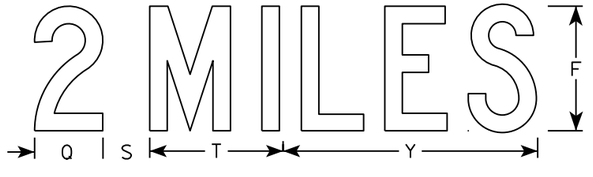


W20-1B

W20-1G



W20-1F



W20-1E

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.

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 3/8	1/2	5/8	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		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, F & G

WISCONSIN DEPT OF TRANSPORTATION

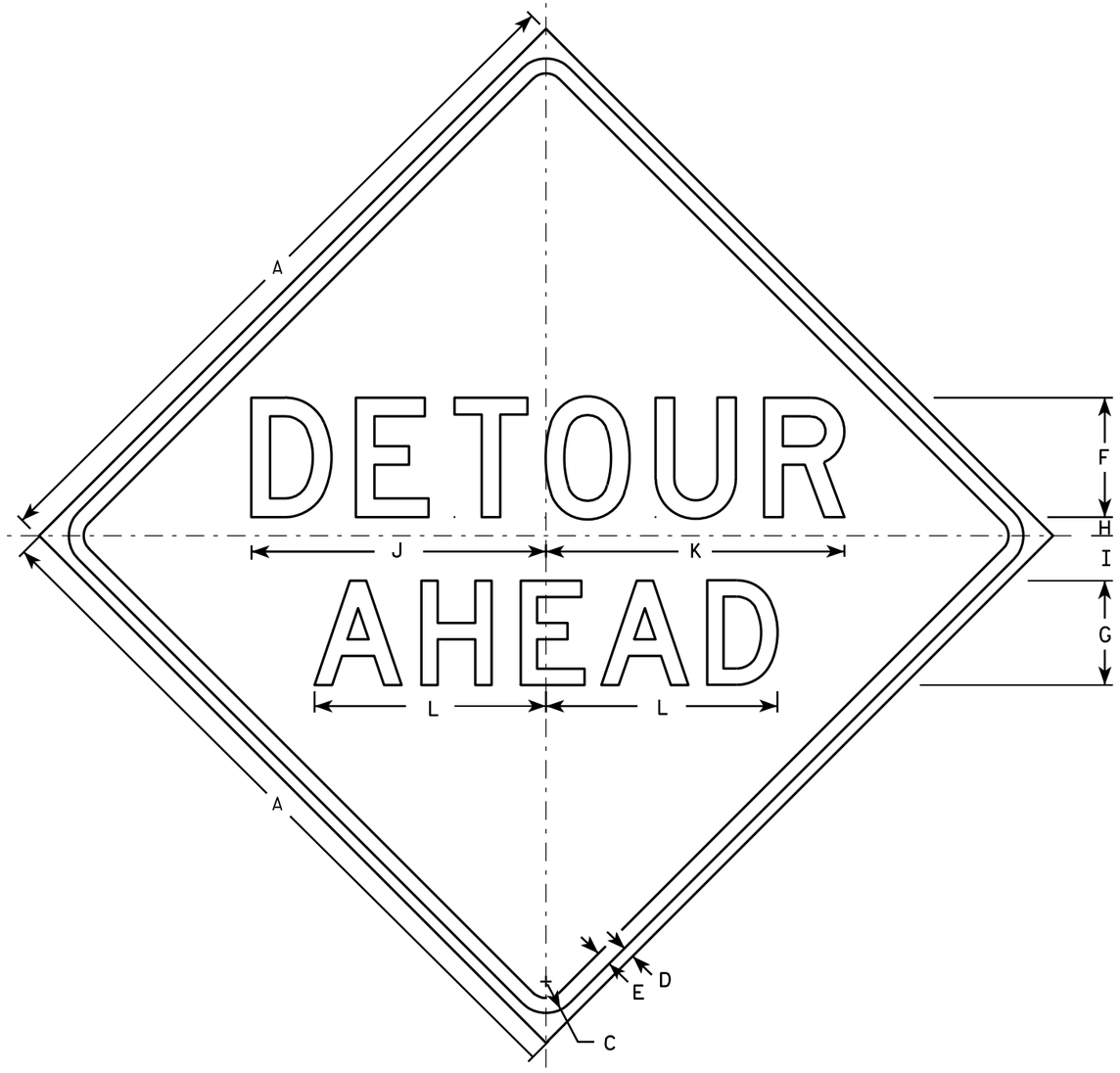
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

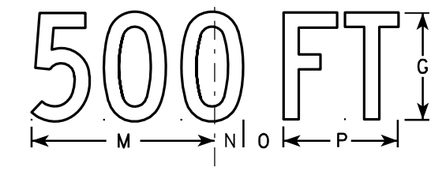
PROJECT NO:

SHEET NO: E

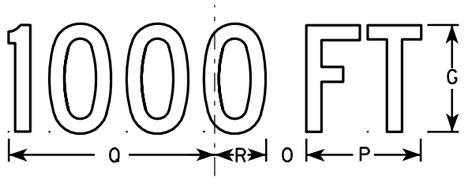
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



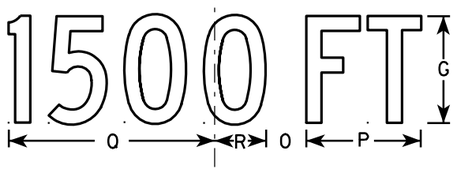
W20-2A



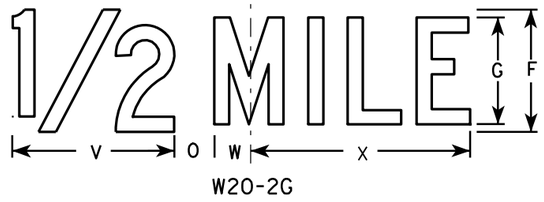
W20-2D



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

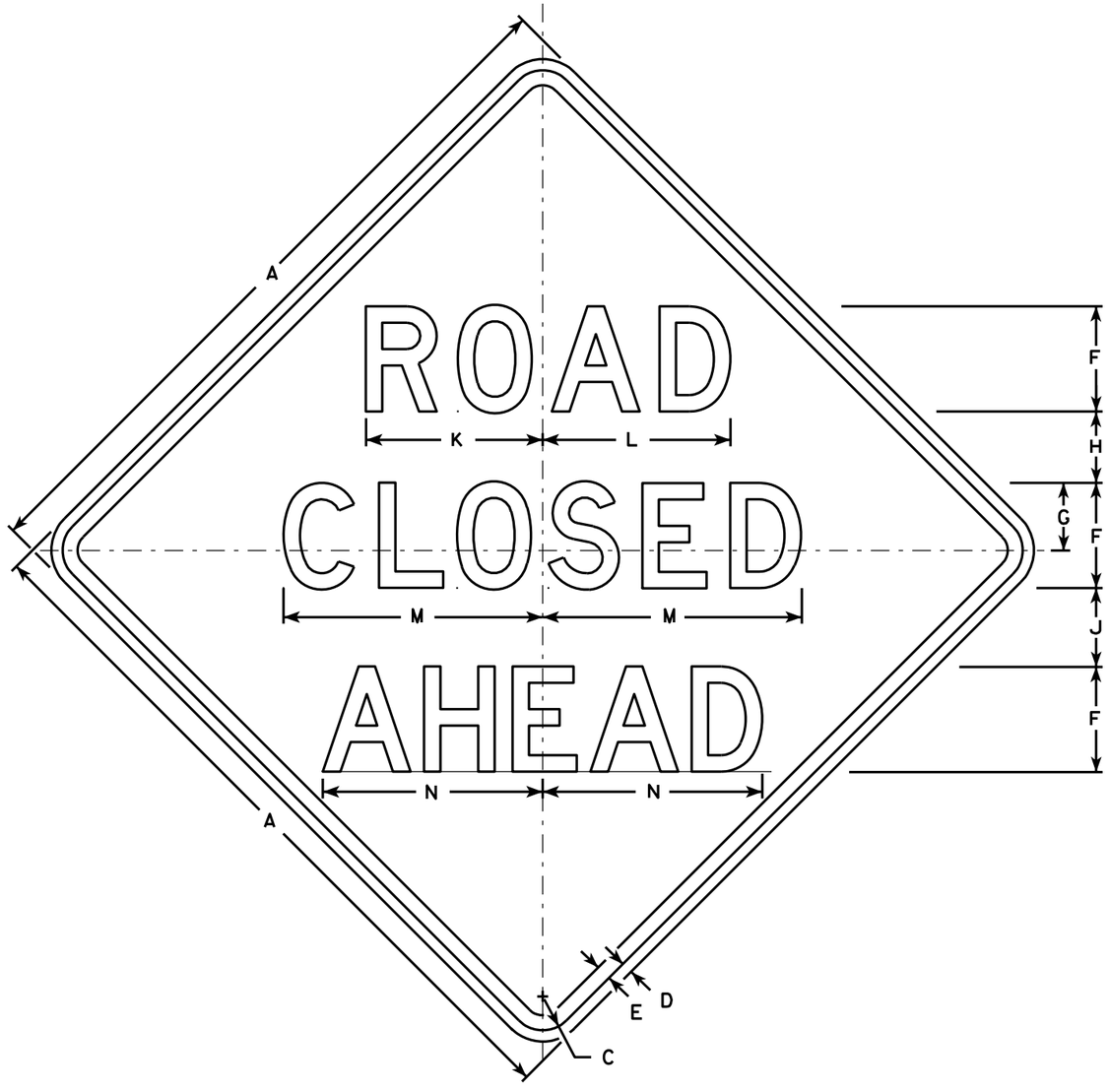
STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

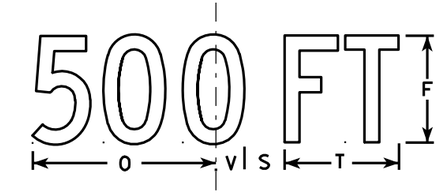
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

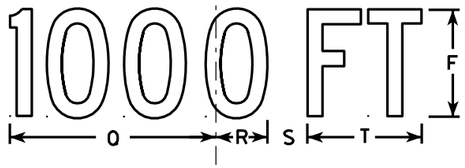
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 426	E



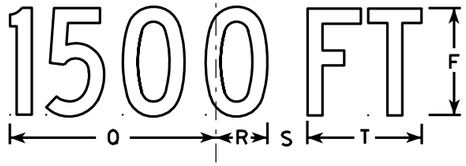
W20-3A



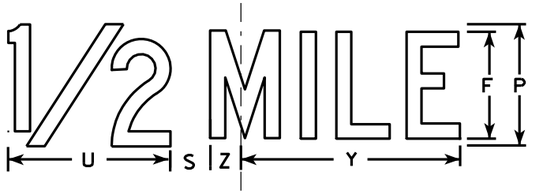
W20-3D



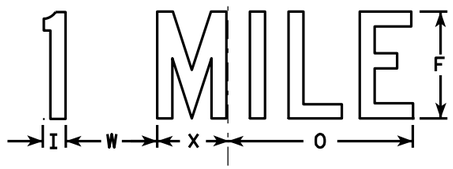
W20-3C



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: 427 | E

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

7

7

STH 142

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 1.20	Mass Ordinate
62+91	0.00	53.35	5.93	0	0	0	0	0
63+00	9.00	54.23	4.72	18	2	18	2	16
63+50	50.00	87.43	0.13	131	4	149	8	142
64+00	50.00	133.47	0.00	205	0	354	8	346
64+28	28.00	133.45	0.39	138	0	492	8	484
64+50	22.00	160.47	0.00	120	0	612	8	604
65+00	50.00	248.99	0.00	379	0	991	8	983
65+50	50.00	350.24	0.00	555	0	1,546	8	1,538
66+00	50.00	479.10	0.00	768	0	2,314	8	2,306
66+50	50.00	634.64	0.00	1,031	0	3,345	8	3,337
67+00	50.00	824.91	0.00	1,351	0	4,696	8	4,688
67+50	50.00	1044.30	0.00	1,731	0	6,427	8	6,419
68+00	50.00	1314.61	0.00	2,184	0	8,611	8	8,603
68+50	50.00	1582.40	0.00	2,682	0	11,294	8	11,286
69+00	50.00	1816.54	0.00	3,147	0	14,441	8	14,433
69+50	50.00	2031.70	0.00	3,563	0	18,004	8	17,996
70+00	50.00	2226.57	0.00	3,943	0	21,947	8	21,939
70+50	50.00	2449.45	0.00	4,330	0	26,277	8	26,268
71+00	50.00	2628.16	0.00	4,701	0	30,978	8	30,970
71+50	50.00	2755.72	0.00	4,985	0	35,963	8	35,955
72+00	50.00	2879.19	0.00	5,218	0	41,181	8	41,173
72+50	50.00	3001.26	0.00	5,445	0	46,625	8	46,617
73+00	50.00	3072.38	0.00	5,624	0	52,249	8	52,241
73+50	50.00	3104.26	0.00	5,719	0	57,968	8	57,960
74+00	50.00	3037.73	0.00	5,687	0	63,655	8	63,647
74+50	50.00	2960.55	0.00	5,554	0	69,209	8	69,201
75+00	50.00	2885.69	0.00	5,413	0	74,623	8	74,614
75+50	50.00	2795.35	0.00	5,260	0	79,883	8	79,875
76+00	50.00	2638.08	0.00	5,031	0	84,914	8	84,906
76+50	50.00	2756.16	0.04	4,995	0	89,908	8	89,900
77+00	50.00	1476.01	187.82	3,919	174	93,827	217	93,610
77+50	50.00	314.59	567.49	1,658	699	95,485	1,056	94,429
78+00	50.00	112.75	834.80	396	1,298	95,881	2,614	93,266
78+50	50.00	813.43	312.21	858	1,062	96,738	3,889	92,850
79+00	50.00	1807.48	56.55	2,427	341	99,165	4,298	94,867
79+50	50.00	1793.49	72.25	3,334	119	102,499	4,442	98,058
80+00	50.00	1707.97	0.00	3,242	67	105,741	4,522	101,220
80+50	50.00	1478.31	0.00	2,950	0	108,692	4,522	104,170
81+00	50.00	1257.92	0.00	2,534	0	111,225	4,522	106,703
81+50	50.00	1043.92	0.00	2,131	0	113,356	4,522	108,835
82+00	50.00	825.32	0.30	1,731	0	115,087	4,522	110,565
82+50	50.00	653.84	0.01	1,370	0	116,457	4,522	111,934
83+00	50.00	423.29	0.03	997	0	117,454	4,523	112,932
83+50	50.00	339.54	0.00	706	0	118,161	4,523	113,638
84+00	50.00	279.22	0.00	573	0	118,733	4,523	114,211
84+07	7.00	262.21	0.00	70	0	118,804	4,523	114,281
84+50	43.00	151.40	0.00	329	0	119,133	4,523	114,610
85+00	50.00	147.30	0.00	277	0	119,410	4,523	114,887
85+50	50.00	131.02	0.00	258	0	119,667	4,523	115,145
86+00	50.00	110.96	0.00	224	0	119,891	4,523	115,369
86+50	50.00	62.70	0.00	161	0	120,052	4,523	115,530
87+00	50.00	59.14	0.00	113	0	120,165	4,523	115,642
COLUMN TOTALS				120,165	3,769			

1) Cut Volume includes Salvaged/Unusable Pavement Material.
2) This assumes the existing pavement is salvaged or wasted by the contractor.
   The existing pavement structure is not shown in the cross sections.
3) Expanded Fill = Unexpanded Fill * Expanded Fill Factor.
4) Mass Ordinate = Cut - Expanded Fill. Mass Ordinate is a + or - Qty calculated for the Division
   Plus quantity indicates a waste volume of material within the Division.
   Minus indicates a shortage of material within the Division.

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MCCANNA PARKWAY

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut 1.00	Expanded Fill 1.20	
9+78	0.00	307.07	686.61	0	0	0	0	0
10+00	22.00	0.00	747.62	125	584	125	701	-576
10+50	50.00	0.00	509.62	0	1,164	125	2,098	-1,973
11+00	50.00	9.42	216.85	9	673	134	2,905	-2,771
11+40	40.00	62.45	1.12	53	161	187	3,099	-2,912
11+50	10.00	88.08	0.00	28	0	215	3,099	-2,884
12+00	50.00	44.71	4.70	123	4	338	3,105	-2,767
12+50	50.00	29.48	23.97	69	27	407	3,136	-2,730
13+00	50.00	67.10	3.22	89	25	496	3,167	-2,671
13+30	30.00	65.64	0.61	74	2	570	3,169	-2,599
COLUMN TOTALS				570	2,641			

STH 142 SHARED-USE PATH

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut 1.00	Expanded Fill 1.20	
17+10	0.00	0.00	100.56	0	0	0	0	0
17+50	40.00	0.26	86.61	0	139	0	166	-166
18+00	50.00	144.46	0.00	134	80	134	263	-128
18+50	50.00	71.38	0.00	200	0	334	263	71
18+82	32.00	55.43	0.00	75	0	409	263	147
19+00	18.00	43.72	0.00	33	0	442	263	180
19+50	50.00	24.85	0.00	63	0	506	263	243
20+00	50.00	16.25	0.04	38	0	544	263	281
20+50	50.00	15.17	0.39	29	0	573	263	310
21+00	50.00	18.20	0.10	31	0	604	264	340
21+50	50.00	21.68	0.31	37	0	641	264	377
22+00	50.00	8.56	1.57	28	2	669	266	402
22+50	50.00	18.83	1.90	25	3	694	270	424
23+00	50.00	35.89	1.25	51	3	745	274	471
23+50	50.00	46.75	3.85	77	5	821	279	542
24+00	50.00	63.22	8.49	102	11	923	293	630
24+50	50.00	72.91	6.35	126	14	1,049	309	740
25+00	50.00	88.79	4.04	150	10	1,199	321	878
25+50	50.00	113.95	0.47	188	4	1,387	326	1,061
26+00	50.00	137.10	0.31	232	1	1,619	327	1,292
26+50	50.00	142.49	0.00	259	0	1,878	327	1,551
27+00	50.00	131.97	0.00	254	0	2,132	327	1,805
27+50	50.00	150.95	0.04	262	0	2,394	327	2,067
28+00	50.00	169.09	1.44	296	1	2,690	329	2,361
28+50	50.00	198.62	21.95	340	22	3,031	355	2,676
29+00	50.00	224.37	75.57	392	90	3,422	463	2,959
29+50	50.00	230.08	120.53	421	182	3,843	681	3,162
30+00	50.00	251.41	114.02	446	217	4,289	942	3,347
30+50	50.00	401.46	7.45	605	112	4,894	1,077	3,817
COLUMN TOTALS				4,894	897			

1) Cut Volume includes Salvaged/Unusable Pavement Material.
2) This assumes the existing pavement is salvaged or wasted by the contractor.
   The existing pavement structure is not shown in the cross sections.
3) Expanded Fill = Unexpanded Fill * Expanded Fill Factor.
4) Mass Ordinate = Cut - Expanded Fill. Mass Ordinate is a + or - Qty calculated for the Division
   Plus quantity indicates a waste volume of material within the Division.
   Minus indicates a shortage of material within the Division.

WHITE RIVER STATE TRAIL

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut 1.00	Expanded Fill 1.20	
201+20 AH	0.00	9.60	0.00	0	0	0	0	0
201+50	30.00	12.08	0.00	12	0	12	0	12
202+00	50.00	16.77	0.00	27	0	39	0	39
202+30	30.00	34.56	0.07	29	0	67	0	67
202+50	20.00	35.91	0.61	26	0	93	0	93
203+00	50.00	39.82	0.37	70	1	163	1	162
203+50	50.00	55.49	6.01	88	6	252	9	243
204+00	50.00	52.76	54.23	100	56	352	75	277
204+50	50.00	0.00	124.71	49	166	401	274	127
205+00BK	50.00	0.00	180.20	0	282	401	613	-212
208+50AH	0.00	63.76	27.90	0	0	401	613	-212
208+75	25.00	19.24	47.99	38	35	439	655	-216
209+00	25.00	41.87	20.63	28	32	468	693	-226
209+45	45.00	27.65	0.00	58	17	525	714	-188
209+50	5.00	23.94	0.12	5	0	530	714	-184
209+75BK	25.00	6.73	0.12	14	0	544	714	-170
COLUMN TOTALS				544	595			

1) Cut Volume includes Salvaged/Unusable Pavement Material.
2) This assumes the existing pavement is salvaged or wasted by the contractor.
   The existing pavement structure is not shown in the cross sections.
3) Expanded Fill = Unexpanded Fill * Expanded Fill Factor.
4) Mass Ordinate = Cut - Expanded Fill. Mass Ordinate is a + or - Qty calculated for the Division
   Plus quantity indicates a waste volume of material within the Division.
   Minus indicates a shortage of material within the Division.

9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	EARTHWORK DATA	SHEET NO: 430	E

SHARED-USE PATH

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 1.20	Mass Ordinate
09+80.05	0.00	3.60	0.01	0	0	0	0	0.00
10+00	19.95	3.02	0.08	2	0	2	0	2.40
10+06	6.00	3.65	0.01	1	0	3	0	3.13
10+19.29	13.29	5.66	0.14	2	0	5	0	5.38
10+25	5.71	7.05	0.68	1	0	7	0	6.62
10+31.03	6.03	3.65	1.25	1	0	8	0	7.55
10+50	18.97	5.92	1.50	3	1	11	2	9.75
10+75	25.00	5.97	1.69	6	1	17	3	13.49
11+00	25.00	9.23	0.37	7	1	24	5	19.38
11+25	25.00	9.66	0.06	9	0	33	5	27.89
11+50	25.00	10.12	0.18	9	0	42	5	36.91
11+75	25.00	11.32	0.48	10	0	52	5	46.47
12+00	25.00	10.61	0.22	10	0	62	6	56.23
12+25	25.00	9.03	0.55	9	0	71	6	64.89
12+50	25.00	5.85	1.96	7	1	78	7	70.39
12+75	25.00	5.96	3.18	5	2	83	10	73.01
13+00	25.00	12.45	0.06	9	1	92	12	79.73
13+25	25.00	8.11	2.71	10	1	101	14	87.71
13+50	25.00	13.06	0.03	10	1	111	15	95.99
13+75	25.00	13.39	0.01	12	0	123	15	108.21
14+00	25.00	13.59	0.01	12	0	136	15	120.70
14+25	25.00	9.12	0.47	11	0	146	16	130.94
14+34.07	9.07	10.38	0.70	3	0	150	16	133.98
15+40.27	106.20	10.73	0.09	42	2	191	18	173.62
15+50	9.73	10.81	0.00	4	0	195	18	177.49
15+75	25.00	10.76	0.25	10	0	205	18	187.33
16+00	25.00	12.88	0.00	11	0	216	18	198.14
16+25	25.00	11.98	0.00	12	0	228	18	209.65
16+50	25.00	10.61	0.03	10	0	238	18	220.09
16+75	25.00	12.14	0.00	11	0	249	18	230.61
16+98.7	23.70	7.46	0.95	9	0	257	18	238.71
17+00	1.30	7.59	1.01	0	0	258	18	239.02
17+25	25.00	10.17	0.27	8	1	266	19	246.53
17+50	25.00	13.27	0.00	11	0	277	19	257.23
17+73.43	23.43	11.76	0.06	11	0	287	19	268.06
18+10.08	36.65	7.05	1.63	13	1	300	21	279.44
18+25	14.92	9.98	0.00	5	0	305	21	283.60
18+50	25.00	6.80	1.00	8	0	313	22	290.81
18+75	25.00	10.38	0.25	8	1	321	23	298.07
19+00	25.00	7.56	0.96	8	1	329	23	305.70
19+25	25.00	8.56	1.05	7	1	336	24	312.04
19+50	25.00	8.86	0.98	8	1	344	25	318.98
19+75	25.00	6.60	1.50	7	1	352	27	324.75
19+83.06	8.06	8.13	1.69	2	0	354	27	326.38
19+93.35	10.29	11.05	1.03	4	1	357	28	329.41
19+94.74	1.38	11.44	0.88	1	0	358	28	329.93
20+00	5.26	11.52	0.00	2	0	360	28	332.06
20+25	25.00	10.28	0.00	10	0	370	28	342.16
20+26.17	1.17	11.27	0.79	0	0	371	28	342.60
20+50	23.83	11.64	0.95	10	1	381	29	351.79
20+75	25.00	6.96	1.63	9	1	390	31	358.97
21+00	25.00	5.08	1.58	6	1	395	32	362.76
21+25	25.00	3.82	1.64	4	1	399	34	365.09
21+50	25.00	8.43	1.03	6	1	405	36	369.28
21+75	25.00	9.08	0.65	8	1	413	37	376.46

TABLE CONTINUED

SHARED-USE PATH

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 1.20	Mass Ordinate
22+00	25.00	11.21	0.03	9	0	422	37	385.47
22+25	25.00	10.39	0.33	10	0	432	37	395.28
22+50	25.00	8.08	0.77	9	1	441	38	403.22
22+67.43	17.43	5.48	1.56	4	1	445	39	406.69
22+75	7.57	4.73	1.76	1	0	447	39	407.56
23+00	25.00	5.16	1.23	5	1	451	41	410.47
23+25	25.00	7.44	1.58	6	1	457	42	414.75
23+50	25.00	12.79	0.00	9	1	467	43	423.24
23+75	25.00	14.16	0.00	12	0	479	43	435.71
24+00	25.00	13.86	0.00	13	0	492	43	448.69
24+25	25.00	9.70	0.12	11	0	503	43	459.53
24+50	25.00	8.55	0.30	8	0	511	44	467.75
24+75	25.00	9.34	0.91	8	1	520	44	475.35
25+00	25.00	12.58	0.00	10	0	530	45	484.99
25+25	25.00	10.74	0.10	11	0	541	45	495.73
25+50	25.00	10.50	0.07	10	0	550	45	505.46
25+75	25.00	10.79	0.12	10	0	560	45	515.21
26+00	25.00	12.56	0.00	11	0	571	45	525.96
26+25	25.00	12.02	0.06	11	0	582	45	537.31
26+50	25.00	10.76	0.22	11	0	593	45	547.70
26+75	25.00	14.15	0.00	12	0	605	45	559.11
27+00	25.00	9.22	0.76	11	0	615	46	569.51
27+25	25.00	10.04	1.39	9	1	624	47	577.24
27+50	25.00	12.21	0.28	10	1	635	48	586.61
27+75	25.00	10.86	1.01	11	1	645	49	596.57
28+00	25.00	11.95	0.00	11	0	656	49	606.56
28+25	25.00	10.15	0.02	10	0	666	49	616.78
28+50	25.00	7.19	0.57	8	0	674	50	624.49
28+75	25.00	6.20	0.61	6	1	680	50	630.03
29+00	25.00	7.07	0.39	6	0	686	51	635.62
29+25	25.00	7.19	0.81	7	1	693	51	641.56
29+50	25.00	9.02	0.36	8	1	701	52	648.41
29+75	25.00	10.58	0.17	9	0	710	52	657.19
30+00	25.00	12.32	0.00	11	0	720	53	667.69
30+25	25.00	14.15	0.04	12	0	732	53	679.93
30+36.11	11.11	11.44	0.35	5	0	738	53	685.09
30+50	13.89	11.74	0.43	6	0	744	53	690.82
30+75	25.00	14.33	0.00	12	0	756	53	702.65
31+00	25.00	11.70	0.20	12	0	768	53	714.59
31+25	25.00	9.74	0.96	10	1	778	54	723.88
31+50	25.00	13.39	0.00	11	0	788	54	734.05
31+75	25.00	14.35	0.01	13	0	801	54	746.89
32+00	25.00	16.91	0.00	14	0	816	54	761.35
32+25	25.00	12.32	0.10	14	0	829	54	774.83
32+50	25.00	10.43	0.11	11	0	840	55	785.24
32+61.67	11.67	9.94	0.12	4	0	844	55	789.59
32+64.3	2.62	8.69	0.83	1	0	845	55	790.44
32+66.48	2.18	8.42	3.16	1	0	846	55	790.93
32+75	8.52	11.93	3.07	3	1	849	56	792.97
32+76.8	1.80	12.29	3.19	1	0	850	56	793.52
32+91.54	14.73	12.49	3.06	7	2	857	58	798.24
33+00	8.46	9.63	3.48	3	1	860	60	800.48
33+06.27	6.27	7.48	4.23	2	1	862	61	801.39
33+25	18.73	0.10	25.17	3	10	865	73	791.78
33+50	25.00	0.36	84.84	0	51	865	134	730.88
33+74	24.00	1.69	106.39	1	85	866	236	629.81
		COLUMN TOTALS		866	197			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections:
Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

CONNECTION TO SHARED-USE PATH

STATION	Real Station	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
			Cut	Fill	Cut	Fill	Cut **1.00**	Expanded Fill 1.20	
00+00	0.00	0.00	12.57	0.29	0	0	0	0	0.00
00+25	25.00	25.00	15.95	0.08	13	0	13	0	13.00
00+50	50.00	25.00	19.33	0.00	16	0	30	0	29.29
00+75	75.00	25.00	18.35	0.05	17	0	47	0	46.71
01+00	100.00	25.00	9.96	1.12	13	1	60	1	59.16
01+25	125.00	25.00	2.25	3.43	6	2	66	3	62.28
01+36.59	136.59	11.59	0.20	10.21	1	3	66	7	59.30
01+60.61	160.61	24.03	0.00	12.89	0	10	66	19	47.05
01+71.7	171.70	11.09	0.00	9.07	0	5	66	25	41.64
01+75	175.00	3.30	0.00	9.04	0	1	66	26	40.31
01+99.53	199.53	24.53	0.00	12.32	0	10	66	38	28.67
02+00	200.00	0.47	0.00	12.28	0	0	66	38	28.41
02+25	225.00	25.00	0.00	9.82	0	10	66	50	16.13
02+27.36	227.36	2.36	0.00	9.38	0	1	66	51	15.13
02+50	250.00	22.64	0.00	5.66	0	6	66	59	7.56
02+75	275.00	25.00	0.43	3.84	0	4	67	64	2.49
03+00	300.00	25.00	1.45	3.17	1	3	67	68	-0.54
03+25	325.00	25.00	5.60	1.71	3	2	71	71	0.01
03+50	350.00	25.00	18.42	0.00	11	1	82	72	10.18
03+50.28	350.28	0.28	19.79	0.00	0	0	82	72	10.38
03+75	375.00	24.72	14.53	0.00	16	0	98	72	26.09
04+00	400.00	25.00	8.82	0.45	11	0	109	72	36.64
04+16.25	416.25	16.25	9.53	0.34	6	0	114	72	41.88
04+25	425.00	8.75	9.57	0.35	3	0	117	72	44.85
04+50	450.00	25.00	6.71	1.52	8	1	125	73	51.34
04+65.5	465.50	15.50	5.69	3.35	4	1	128	75	53.23
05+04.35	504.35	38.85	11.86	0.00	13	2	141	78	62.96
05+10.3	510.30	5.95	0.00	0.00	1	0	142	78	64.27
		COLUMN TOTALS			**142**	**65**			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

BREVER ROAD

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
00+00	0.00	0.00	14.67	0.00	0	0	0	0	0	0.00
00+50	50.00	68.83	14.67	1.02	64	27	1	64	1	35.43
01+00	50.00	299.57	14.67	2.89	341	27	4	405	5	345.04
01+43.67	43.67	330.98	14.67	3.44	510	24	5	915	12	825.10
01+50	6.33	324.95	14.67	5.41	77	3	1	992	13	897.31
01+75	25.00	19.91	14.67	20.37	160	14	12	1,151	27	1,029.06
01+94.21	19.21	8.09	14.67	49.17	10	10	25	1,161	57	998.90
02+00	5.79	7.52	14.67	55.59	2	3	11	1,163	70	983.95
02+01.35	1.35	8.99	14.67	59.94	0	1	3	1,163	74	980.16
02+01.59	0.24	9.68	14.67	64.06	0	0	1	1,163	74	979.44
02+05	3.41	6.73	14.67	71.18	1	2	9	1,164	85	968.39
02+06.58	1.58	6.46	14.67	74.13	0	1	4	1,165	90	962.82
02+10	3.42	1.17	14.67	79.57	0	2	10	1,165	101	949.75
02+15	5.00	0.00	14.67	84.63	0	3	15	1,165	120	928.90
02+20	5.00	0.00	14.67	76.68	0	3	15	1,165	138	908.26
02+25	5.00	0.00	10.67	78.84	0	2	14	1,165	155	888.64
02+30	5.00	0.00	5.48	85.41	0	1	15	1,165	173	868.89
02+35	5.00	0.00	0.43	90.41	0	1	16	1,165	193	848.81
02+40	5.00	0.00	0.00	88.74	0	0	17	1,165	213	828.86
02+42.24	2.24	0.00	0.00	84.45	0	0	7	1,165	221	820.24
02+45	2.76	0.00	0.00	78.88	0	0	8	1,165	231	810.22
02+50	5.00	0.00	0.00	86.86	0	0	15	1,165	250	791.81
02+55	5.00	0.00	0.00	99.21	0	0	17	1,165	270	771.13
02+60	5.00	0.00	0.00	111.31	0	0	19	1,165	294	747.74
02+60.08	0.08	0.00	0.00	111.48	0	0	0	1,165	294	747.37
02+65	4.92	0.00	0.00	121.42	0	0	21	1,165	320	721.88
02+70	5.00	0.00	0.00	128.43	0	0	23	1,165	347	694.12
02+75	5.00	0.00	0.00	131.64	0	0	24	1,165	376	665.22
02+80	5.00	0.00	0.60	130.95	0	0	24	1,165	405	635.99
02+85	5.00	0.00	2.19	135.90	0	0	25	1,165	435	606.08
02+90	5.00	0.00	3.78	136.91	0	1	25	1,165	465	575.22
02+95	5.00	5.17	5.37	131.47	0	1	25	1,166	495	545.03
03+00	5.00	10.09	6.96	125.47	1	1	24	1,167	524	516.75
03+05	5.00	5.79	8.56	119.60	1	1	23	1,169	551	489.55
03+08.06	3.06	3.16	9.54	121.19	1	1	14	1,169	567	472.66
03+08.4	0.34	2.86	9.43	120.91	0	0	2	1,169	569	470.76
03+10	1.60	1.57	8.24	117.70	0	1	7	1,170	578	461.88
03+13.58	3.58	0.11	5.58	110.66	0	1	15	1,170	596	442.92
03+15	1.42	0.08	4.53	108.48	0	0	6	1,170	603	435.73
03+20	5.00	0.01	0.81	97.09	0	0	19	1,170	626	412.40
03+25	5.00	0.00	0.00	91.63	0	0	17	1,170	647	391.36
03+30	5.00	0.00	0.00	88.68	0	0	17	1,170	667	371.32
03+35	5.00	0.19	0.00	80.64	0	0	16	1,170	685	352.53
03+40	5.00	0.00	0.00	62.18	0	0	13	1,170	701	336.68
03+45	5.00	0.63	0.00	45.20	0	0	10	1,170	713	324.80
03+50	5.00	3.48	0.00	30.85	0	0	7	1,170	722	316.73
03+55	5.00	7.81	0.00	13.46	1	0	4	1,171	727	312.86
03+60	5.00	5.84	0.00	7.35	1	0	2	1,172	729	311.81
03+65	5.00	3.12	0.00	5.00	1	0	1	1,173	730	311.26
03+67.08	2.08	2.62	0.00	4.69	0	0	0	1,173	731	311.04
03+70	2.92	0.33	0.00	8.51	0	0	1	1,174	732	310.34
03+75	5.00	9.39	0.00	0.85	1	0	1	1,175	733	310.20
03+80	5.00	2.86	15.41	0.22	1	1	0	1,176	733	309.79
03+83.8	3.80	2.00	11.74	0.32	0	2	0	1,176	733	308.17
	COLUMN TOTALS				1,176	135	611			

QUARRY DRIVEWAY

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
00+58	0.00	116.74	38.22	0.00	0	0	0	0	0	0.00
01+00	42.00	121.18	34.60	0.00	185	57	0	185	0	128.41
01+50	50.00	83.55	30.05	0.00	190	60	0	375	0	258.11
02+00	50.00	256.55	13.40	0.00	315	40	0	690	0	532.79
02+25	25.00	73.85	0.00	0.87	153	6	0	842	0	679.06
02+50	25.00	67.01	0.00	6.11	65	0	3	908	4	740.40
02+75	25.00	299.77	0.00	17.70	170	0	11	1,077	18	896.98
03+00	25.00	403.04	0.00	52.00	325	0	32	1,403	56	1,183.63
03+25	25.00	1.60	0.00	82.54	187	0	62	1,590	131	1,296.21
03+28.72	3.72	2.19	0.00	83.32	0	0	11	1,590	145	1,282.77
03+35.44	6.72	4.34	0.00	87.42	1	0	21	1,591	170	1,258.09
03+40	4.56	10.47	16.90	86.49	1	1	15	1,593	188	1,240.28
03+45	5.00	14.50	20.06	78.92	2	3	15	1,595	206	1,220.79
03+50	5.00	5.66	23.21	81.63	2	4	15	1,597	224	1,200.81
03+55	5.00	7.80	26.50	82.74	1	5	15	1,598	242	1,179.20
03+60	5.00	0.00	29.93	69.37	1	5	14	1,599	259	1,157.79
03+65	5.00	0.00	33.09	53.54	0	6	11	1,599	273	1,138.30
03+70	5.00	0.00	32.76	37.67	0	6	8	1,599	283	1,122.07
03+75	5.00	0.00	22.36	38.64	0	5	7	1,599	292	1,108.48
03+80	5.00	0.00	11.95	41.73	0	3	7	1,599	300	1,096.38
03+83.24	3.24	0.00	5.17	42.58	0	1	5	1,599	307	1,089.27
	COLUMN TOTALS				1,599	203	255			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusable Pavement Material
4) Expanded Fill. Factor = 1.2

Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STH 142 AT BREVER ROAD

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.20	
88+50	0.00	62.24	2.00	3.55	0	0	0	0	0	0.00
88+82.36	32.36	81.36	4.00	31.76	86	4	21	86	25	57.07
89+00	17.64	81.90	4.00	40.68	53	3	24	139	54	79.39
89+50	50.00	80.74	4.00	23.34	151	7	59	290	125	151.44
89+75	25.00	130.22	4.00	104.91	98	4	59	388	196	174.16
90+00	25.00	103.21	4.00	147.93	108	4	117	496	337	138.06
90+22.01	22.01	106.49	4.00	177.61	85	3	133	581	496	61.04
90+32.08	10.07	94.62	4.00	189.98	37	1	69	619	578	14.80
90+50	17.92	92.58	4.00	190.56	62	3	126	681	730	-77.26
90+75	25.00	90.04	20.10	186.86	85	11	175	765	939	-213.55
91+00	25.00	92.09	72.21	157.71	84	43	160	850	1,131	-363.39
91+50	50.00	75.76	20.78	139.97	155	86	276	1,005	1,462	-624.83
92+00	50.00	70.51	10.62	191.25	135	29	307	1,141	1,830	-886.49
92+25	25.00	73.88	35.64	193.62	67	21	178	1,207	2,043	-1,054.88
92+28.8	3.80	72.94	40.42	187.06	10	5	27	1,218	2,075	-1,082.03
92+29.09	0.30	73.82	40.79	185.89	1	0	2	1,219	2,078	-1,084.13
92+30	0.91	73.31	41.93	181.85	2	1	6	1,221	2,085	-1,090.45
92+35	5.00	69.43	48.40	152.86	13	8	31	1,234	2,123	-1,122.79
92+40	5.00	66.73	55.28	117.17	13	10	25	1,247	2,153	-1,149.79
92+45	5.00	62.63	48.66	81.67	12	10	18	1,259	2,175	-1,169.53
92+48.59	3.59	59.65	44.40	60.10	8	6	9	1,267	2,186	-1,178.90
92+49.08	0.49	56.52	29.44	43.63	1	1	1	1,268	2,187	-1,179.63
92+50	0.92	55.36	26.39	39.31	2	1	1	1,270	2,189	-1,180.38
92+55	5.00	43.25	12.05	25.80	9	4	6	1,279	2,196	-1,182.04
92+60	5.00	37.20	6.83	21.31	7	2	4	1,286	2,201	-1,181.57
92+65	5.00	34.60	8.16	16.90	7	1	4	1,293	2,205	-1,180.56
92+70	5.00	33.43	9.64	15.27	6	2	3	1,299	2,209	-1,179.48
92+75	5.00	33.13	11.99	8.26	6	2	2	1,306	2,212	-1,177.94
92+80	5.00	36.21	15.53	6.01	6	3	1	1,312	2,213	-1,175.65
92+85	5.00	35.65	32.14	3.82	7	4	1	1,319	2,214	-1,174.50
92+90	5.00	32.68	32.62	0.31	6	6	0	1,325	2,215	-1,174.63
92+95	5.00	29.82	32.85	0.00	6	6	0	1,331	2,215	-1,174.94
93+00	5.00	28.10	30.31	0.00	5	6	0	1,336	2,215	-1,175.43
93+05	5.00	29.08	30.70	0.00	5	6	0	1,341	2,215	-1,175.78
93+10	5.00	29.73	31.03	0.00	5	6	0	1,347	2,215	-1,176.05
93+15	5.00	29.73	31.44	0.00	6	6	0	1,352	2,215	-1,176.33
93+20	5.00	29.19	34.99	0.02	5	6	0	1,358	2,215	-1,177.03
93+25	5.00	28.75	35.41	0.21	5	7	0	1,363	2,215	-1,178.21
93+30	5.00	24.08	28.48	1.57	5	6	0	1,368	2,215	-1,179.43
93+35	5.00	22.36	20.65	1.27	4	5	0	1,372	2,215	-1,179.99
93+40	5.00	25.47	16.69	1.76	4	3	0	1,377	2,216	-1,179.36
93+45	5.00	28.48	14.06	9.39	5	3	1	1,382	2,217	-1,178.45
93+50	5.00	29.74	9.46	10.38	5	2	2	1,387	2,219	-1,177.43
93+55	5.00	32.71	9.12	6.64	6	2	2	1,393	2,221	-1,175.26
93+60	5.00	37.12	6.78	4.86	6	1	1	1,399	2,222	-1,171.54
93+61.8	1.80	38.37	5.96	4.65	3	0	0	1,402	2,223	-1,169.83
93+66.28	4.48	62.61	4.00	0.00	8	1	0	1,410	2,223	-1,162.74
93+75	8.72	58.93	4.00	0.00	20	1	0	1,430	2,223	-1,144.41
94+00	25.00	50.92	4.00	0.00	51	4	0	1,481	2,223	-1,097.26
94+25	25.00	46.85	4.00	0.00	45	4	0	1,526	2,223	-1,055.70
94+50	25.00	33.36	4.00	0.12	37	4	0	1,563	2,223	-1,022.33
94+55.85	5.85	32.47	4.00	0.76	7	1	0	1,570	2,223	-1,016.18
94+61.8	5.95	31.60	4.00	0.85	7	1	0	1,577	2,224	-1,010.22
94+75.48	13.68	29.22	4.00	0.64	15	2	0	1,593	2,224	-997.29
95+00	24.52	24.57	4.00	1.26	24	4	1	1,617	2,225	-977.53
95+50	50.00	29.58	4.00	4.35	50	7	5	1,667	2,231	-941.02
95+75	25.00	32.32	4.00	3.61	29	4	4	1,696	2,236	-920.49
96+00	25.00	22.34	4.00	2.83	25	4	3	1,721	2,239	-902.46
96+12.6	12.60	9.25	2.00	1.91	7	1	1	1,729	2,241	-897.82
96+50	37.40	9.45	2.00	2.05	13	3	3	1,742	2,244	-890.92
96+64.95	14.95	9.28	2.00	1.97	5	1	1	1,747	2,245	-888.18
96+83.25	18.30	8.57	2.00	1.69	6	1	1	1,753	2,247	-884.97
97+00	16.75	8.15	2.00	1.19	5	1	1	1,758	2,248	-882.10
97+50	50.00	8.46	2.00	0.09	15	4	1	1,773	2,249	-871.85
	COLUMN TOTALS				1,773	396	1,874			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STH 142 AT WHEATLAND ROAD

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
182+95	0.00	14.26	2.25	0.00	0	0	0	0	0	0.00
183+00	5.00	14.67	2.25	0.00	3	0	0	3	0	2.26
183+50	50.00	16.09	2.25	0.00	28	4	0	31	0	26.58
183+75.56	25.56	16.23	8.84	0.00	15	5	0	46	0	36.63
184+00	24.44	31.54	8.87	0.41	22	8	0	68	0	50.01
184+10.52	10.52	31.67	8.87	0.89	12	3	0	80	1	58.56
184+25	14.48	32.39	8.82	1.46	17	5	1	98	1	70.24
184+50	25.00	34.53	8.75	2.19	31	8	2	129	3	91.07
185+00	50.00	35.19	11.18	1.27	65	18	3	193	7	133.33
185+25	25.00	49.12	12.80	0.84	39	11	1	232	8	160.10
185+50	25.00	55.22	14.66	0.38	48	13	1	280	9	195.01
185+75	25.00	46.27	16.91	0.57	47	15	0	327	10	226.85
186+00	25.00	54.19	18.63	0.38	47	16	0	374	10	256.38
186+50	50.00	59.48	20.30	0.38	105	36	1	479	11	324.74
186+94.21	44.21	77.87	20.44	1.54	112	33	2	592	13	401.96
187+00	5.79	78.80	20.44	0.64	17	4	0	608	13	414.09
187+21.98	21.98	86.19	20.42	0.00	67	17	0	676	13	464.30
187+24.97	3.00	86.95	22.50	0.00	10	2	0	685	13	471.52
187+25.34	0.36	83.88	22.58	1.77	1	0	0	686	13	472.35
187+30	4.66	83.88	23.22	1.74	14	4	0	701	14	482.52
187+35	5.00	82.43	23.66	0.78	15	4	0	716	14	493.30
187+40	5.00	82.39	24.37	0.25	15	4	0	731	14	504.00
187+45	5.00	86.67	25.34	0.09	16	5	0	747	14	515.01
187+50	5.00	93.32	26.78	0.00	17	5	0	764	14	526.84
187+55	5.00	97.90	28.31	0.00	18	5	0	782	14	539.45
187+60	5.00	100.43	31.11	0.00	18	6	0	800	14	552.31
187+65	5.00	92.39	30.56	0.00	18	6	0	818	14	564.45
187+70	5.00	82.81	25.94	0.00	16	5	0	834	14	575.44
187+75	5.00	68.23	20.90	0.00	14	4	0	848	14	585.09
187+80	5.00	53.14	15.99	0.01	11	3	0	859	14	592.91
187+85	5.00	37.63	11.25	0.04	8	3	0	868	14	598.79
187+90	5.00	36.24	11.25	0.02	7	2	0	874	14	603.54
187+95	5.00	35.86	11.25	0.00	7	2	0	881	14	608.13
188+00	5.00	35.97	11.25	0.00	7	2	0	888	14	612.69
188+05	5.00	36.92	11.25	0.03	7	2	0	895	14	617.36
188+10	5.00	45.42	16.01	0.05	8	3	0	902	14	622.45
188+15	5.00	54.50	20.18	0.03	9	3	0	911	14	628.34
188+20	5.00	63.24	24.75	0.01	11	4	0	922	14	635.08
188+25	5.00	71.57	28.97	0.00	12	5	0	935	14	642.58
188+30	5.00	79.63	29.39	0.00	14	5	0	949	14	651.18
188+35	5.00	77.16	26.60	1.03	15	5	0	963	14	660.40
188+40	5.00	73.36	24.62	0.31	14	5	0	977	14	669.44
188+45	5.00	67.94	23.68	0.92	13	4	0	990	15	677.92
188+50	5.00	64.43	22.88	1.07	12	4	0	1,003	15	685.64
188+53.84	3.84	62.71	22.40	0.87	9	3	0	1,012	15	691.29
188+54.34	0.51	63.55	22.34	0.30	1	0	0	1,013	15	692.04
188+64.05	9.71	60.47	21.21	0.00	22	8	0	1,035	15	706.45
188+75	10.95	59.31	20.02	0.61	24	8	0	1,059	15	722.23
189+00	25.00	82.76	17.27	1.65	66	17	1	1,125	16	769.48
189+44.21	44.21	56.69	11.49	0.23	114	24	2	1,239	18	858.26
189+50	5.79	51.27	11.06	0.57	12	2	0	1,251	18	867.31
189+53.84	3.84	48.77	10.79	0.91	7	2	0	1,258	19	872.74
189+67.39	13.56	47.83	10.14	1.35	24	5	1	1,282	19	891.05
190+00	32.61	47.38	8.25	2.64	57	11	2	1,340	22	934.55
190+50	50.00	36.94	5.00	8.20	78	12	10	1,418	34	988.31
190+75	25.00	39.73	4.50	9.15	35	4	8	1,453	44	1,009.77
190+75.97	0.97	36.51	2.25	2.99	1	0	0	1,455	44	1,010.76
190+85.38	9.41	37.17	2.25	2.36	13	1	1	1,468	45	1,021.69
191+00	14.62	32.93	2.25	3.65	19	1	2	1,486	47	1,037.50
191+06.59	6.59	30.88	2.25	5.79	8	1	1	1,494	49	1,043.36
191+17.84	11.25	35.92	2.25	0.00	14	1	1	1,508	50	1,054.89
191+61.49	43.65	24.17	2.25	0.00	49	4	0	1,557	50	1,099.82
191+75	13.51	18.58	2.25	0.00	11	1	0	1,567	50	1,109.39
191+79.49	4.49	10.70	2.25	0.16	2	0	0	1,570	50	1,111.43
191+95.03	15.54	10.50	2.25	0.00	6	1	0	1,576	50	1,116.18
	COLUMN TOTALS				1,576	410	42			

WHEATLAND ROAD

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
13+90.64	0.00	58.54	23.04	3.05	0	0	0	0	0	0.00
14+00	9.36	61.08	23.63	0.03	21	8	1	21	1	12.00
14+11.14	11.14	64.02	24.23	0.00	26	10	0	47	1	27.93
14+13.68	2.54	68.90	24.37	0.00	6	2	0	53	1	31.89
14+19.89	6.21	72.54	25.40	0.34	16	6	0	69	1	42.39
14+20.64	0.75	68.10	25.52	0.51	2	1	0	71	1	43.62
14+25	4.36	53.41	26.18	2.33	10	4	0	81	1	48.98
14+30	5.00	55.98	27.05	9.18	10	5	1	91	2	52.91
14+35	5.00	58.93	28.12	5.75	11	5	1	102	4	56.78
14+40	5.00	67.72	29.88	1.22	12	5	1	113	5	62.36
14+45	5.00	79.43	32.41	0.65	14	6	0	127	5	70.01
14+49.34	4.34	88.34	35.74	0.59	13	5	0	140	5	77.89
14+50	0.66	89.43	36.29	0.53	2	1	0	143	5	79.17
14+55	5.00	99.44	41.36	0.25	17	7	0	160	5	89.38
14+60	5.00	91.77	47.59	0.00	18	8	0	178	5	98.82
14+65	5.00	83.60	43.01	0.00	16	8	0	194	5	106.67
14+70	5.00	73.98	36.86	0.00	15	7	0	209	5	113.87
14+75	5.00	61.95	30.81	0.00	13	6	0	221	5	120.19
14+80	5.00	48.15	24.57	0.00	10	5	0	231	5	125.25
14+85	5.00	34.54	18.43	0.00	8	4	0	239	5	128.93
14+87.45	2.45	27.99	15.43	0.00	3	2	0	242	5	130.23
	COLUMN TOTALS				242	107	4			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STH 142 AT WOMACK LANE

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
228+50	0.00	23.35	4.50	0.30	0	0	0	0	0	0.00
228+86.96	36.96	25.40	4.50	1.01	33	6	1	33	1	26.13
229+00	13.04	27.06	4.50	0.01	13	2	0	46	1	36.33
229+24.07	24.07	26.82	4.50	0.04	24	4	0	70	1	56.31
229+34	9.93	25.60	4.50	0.09	10	2	0	80	1	64.27
229+50	16.00	24.75	4.50	0.21	15	3	0	95	2	76.41
229+75	25.00	27.91	4.50	0.35	24	4	0	119	2	96.31
230+00	25.00	25.57	4.50	1.01	25	4	1	144	3	116.14
230+50	50.00	30.86	4.50	0.19	52	8	1	196	4	158.72
231+00	50.00	33.66	4.50	0.13	60	8	0	256	4	209.77
231+25	25.00	31.62	4.50	0.80	30	4	0	286	5	235.31
231+50	25.00	26.22	4.50	6.52	27	4	3	313	9	253.84
232+00	50.00	19.93	4.50	14.75	43	8	20	355	32	264.61
232+50	50.00	27.98	6.69	8.86	44	10	22	400	59	272.38
232+75	25.00	37.58	7.89	3.66	30	7	6	430	66	289.03
232+99.61	24.61	45.01	8.34	0.00	38	7	2	468	68	317.28
233+00	0.39	44.99	8.35	9.91	1	0	0	468	68	317.72
233+05	5.00	46.90	8.49	9.40	9	2	2	477	70	322.52
233+10	5.00	49.10	8.66	8.94	9	2	2	486	72	327.79
233+15	5.00	52.47	9.23	8.17	9	2	2	495	74	333.63
233+20	5.00	56.17	9.52	7.99	10	2	1	505	76	340.16
233+25	5.00	58.91	10.20	7.82	11	2	1	516	77	347.23
233+30	5.00	61.76	10.78	7.07	11	2	1	527	79	354.81
233+35	5.00	64.29	10.80	6.29	12	2	1	539	81	363.00
233+40	5.00	67.43	11.44	5.91	12	2	1	551	82	371.78
233+45	5.00	68.74	12.28	3.69	13	2	1	564	83	381.12
233+50	5.00	69.59	13.37	0.00	13	2	0	576	83	391.15
233+55	5.00	70.83	15.15	0.02	13	3	0	589	83	401.51
233+60	5.00	69.43	16.67	0.00	13	3	0	602	83	411.55
233+65	5.00	68.25	12.20	0.00	13	3	0	615	83	421.62
233+70	5.00	65.18	7.79	0.00	12	2	0	628	83	432.12
233+75	5.00	61.88	3.24	0.00	12	1	0	639	83	442.87
233+80	5.00	61.74	2.25	0.00	11	1	0	651	83	453.80
233+85	5.00	62.27	2.25	0.00	11	0	0	662	83	464.87
233+90	5.00	62.79	2.25	0.00	12	0	0	674	83	476.03
233+95	5.00	63.56	2.25	0.00	12	0	0	685	83	487.32
233+98.37	3.37	67.67	4.71	0.00	8	0	0	694	83	495.07
234+00	1.63	69.88	6.22	0.00	4	0	0	698	83	498.89
234+05	5.00	76.10	10.85	0.00	14	2	0	711	83	510.83
234+10	5.00	81.34	15.54	0.00	15	2	0	726	83	522.97
234+15	5.00	86.23	18.65	0.00	16	3	0	741	83	535.32
234+20	5.00	88.46	15.41	0.94	16	3	0	758	83	548.23
234+25	5.00	85.08	12.88	7.03	16	3	1	774	84	560.80
234+30	5.00	82.61	11.60	7.18	16	2	1	789	86	572.48
234+35	5.00	81.09	10.57	6.89	15	2	1	804	88	584.02
234+40	5.00	81.74	9.89	3.77	15	2	1	819	89	596.02
234+41.44	1.44	82.96	9.64	1.89	4	1	0	824	89	599.71
234+42	0.56	82.62	9.54	1.69	2	0	0	826	89	601.18
234+50	8.00	82.62	8.80	0.00	24	3	0	850	89	622.64
234+51.66	1.66	82.11	8.68	0.00	5	1	0	855	89	627.18
235+00	48.34	90.37	5.02	0.08	154	12	0	1,009	89	769.21
235+33.63	33.63	103.59	4.50	0.07	121	6	0	1,130	89	883.95
235+41.45	7.82	100.88	4.50	0.24	30	1	0	1,160	89	912.19
235+50	8.55	88.58	4.50	0.76	30	1	0	1,190	90	940.59
235+55	5.00	88.56	4.50	0.99	16	1	0	1,206	90	955.97
235+75	20.00	89.82	4.50	1.55	66	3	1	1,272	91	1,017.57
236+00	25.00	91.02	4.50	1.83	84	4	2	1,356	93	1,095.25
236+50	50.00	78.38	4.50	0.27	157	8	2	1,513	95	1,241.43
237+00	50.00	41.74	4.50	5.13	111	8	5	1,624	101	1,338.31
237+25	25.00	36.69	4.50	4.12	36	4	4	1,660	106	1,365.31
237+40.22	15.22	30.65	4.50	4.92	19	3	3	1,679	109	1,378.69
237+50	9.78	30.78	4.50	4.25	11	2	2	1,691	111	1,386.20
237+65.13	15.13	26.37	4.50	1.32	16	3	2	1,707	113	1,397.82
237+75	9.87	24.76	4.50	1.42	9	2	1	1,716	114	1,404.92
238+00	25.00	15.65	4.50	2.43	19	4	2	1,735	116	1,417.32
	COLUMN TOTALS				1,735	201	97			

WOMACK LANE

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
18+25	0.00	39.69	16.50	0.00	0	0	0	0	0	0.00
18+50	25.00	54.20	16.50	0.00	43	15	0	43	0	28.19
18+75	25.00	42.31	16.95	0.00	45	15	0	88	0	57.38
19+00	25.00	47.33	18.75	0.00	41	17	0	130	0	82.35
19+01.25	1.25	47.48	19.01	0.00	2	1	0	132	0	83.67
19+10.32	9.07	44.09	20.84	0.03	15	7	0	147	0	92.36
19+11.25	0.93	42.20	21.01	9.33	1	1	0	149	0	92.93
19+15	3.75	42.67	21.71	9.08	6	3	1	155	2	94.32
19+20	5.00	43.91	22.65	8.81	8	4	2	163	4	96.24
19+25	5.00	45.38	23.60	8.42	8	4	2	171	6	98.31
19+30	5.00	46.81	24.40	7.52	9	4	1	179	7	100.63
19+35	5.00	44.04	25.21	11.02	8	5	2	188	9	102.39
19+40	5.00	48.32	26.50	11.47	9	5	2	196	12	103.66
19+45	5.00	52.01	27.73	12.56	9	5	2	206	15	105.25
19+50	5.00	53.25	29.16	11.34	10	5	2	215	17	107.08
19+55	5.00	56.49	31.40	5.32	10	6	2	226	19	109.78
19+60	5.00	56.88	34.65	0.00	10	6	0	236	20	113.57
19+65	5.00	49.97	39.71	0.00	10	7	0	246	20	116.58
19+70	5.00	44.78	36.78	0.00	9	7	0	255	20	118.27
19+75	5.00	39.63	30.59	0.00	8	6	0	263	20	119.85
19+80	5.00	32.93	24.60	0.00	7	5	0	269	20	121.46
19+85	5.00	26.00	18.29	0.00	5	4	0	275	20	122.94
19+87.96	2.96	21.84	14.80	0.00	3	2	0	277	20	123.75
	COLUMN TOTALS				277	134	16			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STH 142 AT SHAGBARK LANE

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
252+98.61	0.00	21.78	4.00	0.03	0	0	0	0	0	0.00
253+00	1.39	21.52	4.00	0.03	1	0	0	1	0	0.91
253+37.23	37.23	20.40	4.00	0.05	29	6	0	30	0	24.22
253+50	12.77	20.51	4.00	0.86	10	2	0	40	0	31.75
253+57.36	7.36	21.41	4.00	1.84	6	1	0	45	1	35.93
253+75	17.64	25.45	4.00	3.19	15	3	2	61	3	46.66
254+00	25.00	38.62	4.00	3.88	30	4	3	90	7	68.69
254+50	50.00	86.31	4.00	12.94	116	7	16	206	25	158.26
254+75	25.00	119.66	4.00	2.98	95	4	7	301	34	241.07
255+00	25.00	149.59	4.00	1.12	125	4	2	426	36	359.74
255+11.97	11.97	159.78	4.00	0.79	69	2	0	495	37	426.01
255+50	38.03	140.56	4.00	1.93	212	6	2	706	39	629.62
256+00	50.00	62.20	4.00	3.54	188	7	5	894	45	803.87
256+25	25.00	45.75	4.00	1.77	50	4	2	944	48	847.19
256+50	25.00	40.58	4.44	3.85	40	4	3	984	51	880.13
257+00	50.00	52.66	6.38	1.24	86	10	5	1,070	57	950.79
257+11.26	11.26	72.76	7.12	3.35	26	3	1	1,096	58	972.98
257+11.38	0.12	72.84	7.12	3.17	0	0	0	1,097	58	973.26
257+15	3.62	73.47	7.46	4.12	10	1	0	1,106	59	981.49
257+20	5.00	72.88	8.38	4.77	14	1	1	1,120	60	992.59
257+25	5.00	75.95	9.52	5.49	14	2	1	1,134	61	1,003.57
257+30	5.00	81.86	10.83	5.74	15	2	1	1,148	62	1,015.05
257+35	5.00	82.64	9.48	5.54	15	2	1	1,164	63	1,027.15
257+40	5.00	68.50	12.54	6.05	14	2	1	1,178	65	1,037.82
257+45	5.00	65.59	12.03	2.09	12	2	1	1,190	66	1,047.05
257+50	5.00	62.70	20.87	0.00	12	3	0	1,202	66	1,055.65
257+55	5.00	60.89	16.80	0.02	11	3	0	1,213	66	1,063.60
257+60	5.00	58.20	12.78	0.05	11	3	0	1,224	66	1,071.88
257+65	5.00	53.16	8.18	0.15	10	2	0	1,235	66	1,080.23
257+70	5.00	47.75	4.19	0.09	9	1	0	1,244	66	1,088.40
257+75	5.00	45.87	2.00	0.04	9	1	0	1,253	66	1,096.49
257+80	5.00	49.12	2.00	0.02	9	0	0	1,261	66	1,104.90
257+85	5.00	56.63	2.00	0.01	10	0	0	1,271	66	1,114.32
257+90	5.00	65.35	2.00	0.01	11	0	0	1,283	66	1,125.24
257+95	5.00	75.08	4.02	0.35	13	1	0	1,296	66	1,137.65
258+00	5.00	90.60	7.96	1.12	15	1	0	1,311	66	1,151.71
258+05	5.00	101.84	12.01	0.00	18	2	0	1,329	66	1,167.56
258+10	5.00	112.12	13.21	0.00	20	2	0	1,349	66	1,185.04
258+15	5.00	118.69	10.74	0.00	21	2	0	1,370	66	1,204.19
258+20	5.00	116.54	9.48	13.06	22	2	1	1,392	68	1,222.65
258+25	5.00	115.89	8.65	28.72	22	2	4	1,413	72	1,237.85
258+30	5.00	119.22	8.10	24.42	22	2	5	1,435	78	1,252.16
258+35	5.00	124.49	7.74	21.86	23	1	4	1,458	83	1,268.12
258+40	5.00	123.65	7.16	19.93	23	1	4	1,481	88	1,285.07
258+40.6	0.60	123.56	7.10	19.42	3	0	0	1,483	89	1,287.14
258+41.43	0.83	123.89	7.02	8.97	4	0	0	1,487	89	1,290.20
258+50	8.57	132.13	6.19	3.98	41	2	2	1,528	92	1,326.27
258+51.22	1.22	133.23	6.06	3.53	6	0	0	1,534	92	1,331.80
259+00	48.78	102.50	4.00	2.56	213	9	6	1,747	98	1,529.04
259+25	25.00	79.23	4.00	6.68	84	4	4	1,831	104	1,604.34
259+40.59	15.59	79.64	4.00	9.29	46	2	5	1,877	109	1,642.37
259+50	9.41	79.27	4.00	11.09	28	1	4	1,904	113	1,664.40
259+54.16	4.16	78.35	4.00	12.07	12	1	2	1,916	115	1,673.77
260+00	45.84	75.54	4.00	24.13	131	7	31	2,047	152	1,760.75
260+50	50.00	70.01	4.00	13.89	135	7	35	2,182	195	1,845.88
261+00	50.00	69.06	4.00	5.67	129	7	18	2,311	216	1,945.51
261+25	25.00	37.38	4.00	2.81	49	4	4	2,360	221	1,986.38
261+50	25.00	22.96	4.00	1.97	28	4	2	2,388	224	2,007.95
261+67.52	17.52	18.72	4.00	1.75	14	3	1	2,401	225	2,017.44
261+75	7.48	19.71	4.00	1.21	5	1	0	2,407	226	2,021.16
		COLUMN TOTALS			2,407	160	188			

SHAGBARK LANE

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
08+37.04	0.00	59.64	14.53	0.00	0	0	0	0	0	0.00
08+50	12.96	54.34	14.63	0.89	27	7	0	27	0	20.11
08+72.07	22.07	53.58	14.03	1.86	44	12	1	71	2	51.15
09+00	27.93	56.56	14.14	4.25	57	15	3	128	5	89.76
09+04.51	4.51	56.25	14.13	4.08	9	2	1	138	6	95.98
09+07.11	2.60	56.42	14.15	2.09	5	1	0	143	7	99.69
09+14.01	6.91	54.46	14.20	4.67	14	4	1	157	8	109.20
09+15.42	1.40	51.34	14.20	9.66	3	1	0	160	8	110.76
09+15.68	0.27	51.83	14.20	8.60	1	0	0	161	8	111.03
09+20	4.32	55.79	14.38	5.05	9	2	1	169	9	116.04
09+25	5.00	65.93	14.73	3.55	11	3	1	181	10	123.65
09+30	5.00	68.50	15.09	15.65	12	3	2	193	13	131.21
09+35	5.00	63.95	15.45	25.49	12	3	4	205	17	136.07
09+40	5.00	65.01	15.75	28.57	12	3	5	217	23	139.12
09+45	5.00	59.71	16.58	31.50	12	3	6	229	30	141.00
09+50	5.00	53.50	18.38	29.32	10	3	6	239	37	141.48
09+55	5.00	58.75	21.64	14.13	10	4	4	250	41	143.34
09+60	5.00	64.69	25.77	0.01	11	4	1	261	43	148.81
09+65	5.00	60.88	30.91	0.00	12	5	0	273	43	155.19
09+70	5.00	52.07	33.66	0.00	10	6	0	283	43	159.67
09+75	5.00	45.34	28.17	0.00	9	6	0	292	43	162.96
09+80	5.00	37.06	22.81	0.00	8	5	0	300	43	165.87
09+85	5.00	28.26	17.21	0.00	6	4	0	306	43	168.21
09+88.24	3.24	22.40	13.65	0.00	3	2	0	309	43	169.40
		COLUMN TOTALS			309	97	36			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STH 142 AT HORSESHOE TRAIL

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
262+45.62	0.00	8.73	0.00	0.00	0	0	0	0	0	0.00
262+50	4.38	8.81	2.50	0.00	1	0	0	1	0	1.22
262+55	5.00	9.23	2.50	0.06	2	0	0	3	0	2.42
262+60	5.00	9.92	2.50	0.14	2	0	0	5	0	3.71
262+65	5.00	10.64	2.50	0.06	2	0	0	7	0	5.13
262+70	5.00	10.68	2.67	0.77	2	0	0	9	0	6.53
262+75	5.00	10.37	2.67	2.89	2	0	0	11	1	7.58
262+80	5.00	9.77	2.80	5.37	2	1	1	13	1	8.02
262+85	5.00	9.85	2.92	7.81	2	1	1	14	3	7.85
262+90	5.00	10.23	3.04	8.35	2	1	1	16	5	7.36
262+95	5.00	10.61	3.11	8.58	2	1	2	18	7	6.84
263+00	5.00	10.65	3.13	7.95	2	1	2	20	8	6.39
263+05	5.00	10.02	3.17	10.14	2	1	2	22	10	5.71
263+10	5.00	9.87	3.33	11.96	2	1	2	24	13	4.50
263+15	5.00	9.22	4.17	7.64	2	1	2	26	15	3.39
263+20	5.00	10.24	5.00	4.61	2	1	1	27	16	2.99
263+25	5.00	13.98	5.60	4.05	2	1	1	30	17	3.29
263+30	5.00	13.38	5.76	10.19	3	1	1	32	19	3.19
263+35	5.00	13.29	6.03	13.64	2	1	2	35	22	1.92
263+40	5.00	13.70	6.33	15.72	2	1	3	37	25	0.01
263+45	5.00	13.39	6.62	18.03	3	1	3	40	29	-2.43
263+50	5.00	13.40	6.87	27.47	2	1	4	42	34	-6.25
263+55	5.00	13.87	7.12	26.16	3	1	5	45	40	-10.98
263+60	5.00	14.23	7.36	24.57	3	1	5	47	45	-15.36
263+65	5.00	14.55	7.62	22.65	3	1	4	50	51	-19.33
263+70	5.00	15.11	7.89	20.99	3	1	4	53	55	-22.87
263+75	5.00	15.97	8.16	18.84	3	1	4	56	60	-25.90
263+80	5.00	16.50	8.39	17.10	3	2	3	59	64	-28.42
263+85	5.00	16.79	8.61	15.54	3	2	3	62	67	-30.54
263+90	5.00	16.79	8.81	15.09	3	2	3	65	71	-32.45
263+95	5.00	17.12	9.03	15.12	3	2	3	68	74	-34.31
264+00	5.00	17.77	9.25	15.67	3	2	3	71	78	-36.20
264+05	5.00	18.41	9.46	13.95	3	2	3	75	81	-37.87
264+10	5.00	19.05	9.70	12.86	3	2	2	78	84	-39.15
264+15	5.00	19.31	10.23	13.72	4	2	2	82	87	-40.40
264+20	5.00	19.67	10.41	15.76	4	2	3	85	90	-41.98
264+25	5.00	43.96	12.91	17.02	6	2	3	91	94	-41.89
264+30	5.00	45.00	13.16	14.29	8	2	3	99	97	-39.54
264+35	5.00	44.58	13.33	12.14	8	2	2	108	100	-36.64
264+40	5.00	45.00	13.57	11.66	8	2	2	116	103	-33.48
264+45	5.00	47.48	13.87	10.55	9	3	2	124	105	-29.92
264+50	5.00	49.84	14.16	9.17	9	3	2	133	107	-25.70
264+55	5.00	53.26	14.39	8.91	10	3	2	143	109	-20.80
264+60	5.00	57.28	14.62	8.84	10	3	2	153	111	-15.23
264+65	5.00	61.23	14.84	8.81	11	3	2	164	113	-8.94
264+70	5.00	63.05	15.04	8.93	12	3	2	176	115	-2.17
264+75	5.00	63.06	15.19	9.07	12	3	2	187	117	4.71
264+80	5.00	65.12	15.34	9.25	12	3	2	199	119	11.71
264+85	5.00	67.95	15.46	9.75	12	3	2	212	122	19.07
264+90	5.00	70.40	15.53	10.34	13	3	2	224	124	26.78
264+95	5.00	72.15	15.54	10.94	13	3	2	238	126	34.73
265+00	5.00	73.37	16.37	11.44	13	3	2	251	129	42.77
265+05	5.00	75.07	16.99	12.20	14	3	2	265	131	50.80
265+10	5.00	77.48	17.50	12.26	14	3	2	279	134	59.01
265+15	5.00	79.38	18.03	12.33	15	3	2	293	137	67.51
265+20	5.00	79.68	18.54	12.58	15	3	2	308	139	76.09
265+25	5.00	78.92	19.07	12.99	15	3	2	323	142	84.45
265+30	5.00	79.03	19.58	13.01	15	4	2	337	145	92.61
265+35	5.00	80.22	20.11	13.06	15	4	2	352	148	100.78
265+40	5.00	81.70	20.63	12.92	15	4	2	367	151	109.11
265+45	5.00	84.20	21.15	12.47	15	4	2	383	154	117.79
265+50	5.00	83.69	21.67	11.67	16	4	2	398	156	126.68
265+55	5.00	83.19	22.19	10.64	15	4	2	414	159	135.59
265+60	5.00	81.58	22.71	9.30	15	4	2	429	161	144.48
265+65	5.00	76.80	23.23	8.12	15	4	2	444	163	152.95
265+70	5.00	73.40	23.75	7.59	14	4	1	457	165	160.76
265+75	5.00	66.72	24.27	7.18	13	4	1	470	167	167.65
265+80	5.00	53.73	24.79	11.73	11	5	2	482	169	172.16
265+85	5.00	57.07	26.95	8.55	10	5	2	492	171	175.38
265+90	5.00	56.86	28.25	7.17	11	5	1	502	173	179.07
265+95	5.00	53.93	30.26	7.72	10	5	1	513	174	182.26
266+00	5.00	53.55	33.33	5.68	10	6	1	523	176	184.83
266+05	5.00	44.04	30.00	5.90	9	6	1	532	177	186.72
266+10	5.00	36.30	24.77	5.29	7	5	1	539	178	187.84
266+15	5.00	29.02	19.53	4.95	6	4	1	545	179	188.65
266+20	5.00	20.35	14.29	6.49	5	3	1	550	181	188.82
266+21.2	1.20	18.40	13.04	6.66	1	1	0	551	181	188.72
266+25	3.80	18.04	13.04	6.43	3	2	1	553	182	188.35
266+30	5.00	19.51	13.04	5.09	3	2	1	557	183	188.13
266+30.74	0.74	19.62	13.04	5.00	1	0	0	557	184	188.14
266+35	4.26	19.37	13.04	5.36	3	2	1	560	185	188.18
266+40.75	5.75	20.10	13.04	6.38	4	3	1	564	186	188.10
266+45	4.25	27.13	17.28	6.71	4	2	1	568	187	188.20
266+50	5.00	34.14	22.27	6.47	6	4	1	574	189	188.74
266+55	5.00	41.42	27.26	6.60	7	5	1	581	190	189.70

TABLE CONTINUED

STH 142 AT HORSESHOE TRAIL

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
266+60	5.00	47.11	32.25	7.09	8	6	1	589	192	190.87
266+65	5.00	53.84	37.24	7.17	9	6	1	598	193	192.20
266+70	5.00	58.19	36.50	7.85	10	7	1	609	195	194.07
266+75	5.00	53.15	33.42	12.44	10	6	2	619	197	195.65
266+80	5.00	60.67	31.16	11.50	11	6	2	630	200	197.55
266+85	5.00	68.29	29.30	10.40	12	6	2	641	202	201.46
266+90	5.00	72.81	27.84	10.20	13	5	2	655	205	206.95
266+95	5.00	71.11	26.96	10.64	13	5	2	668	207	212.88
267+00	5.00	70.01	26.43	12.21	13	5	2	681	209	218.47
267+05	5.00	68.52	25.97	13.82	13	5	2	694	212	223.55
267+10	5.00	56.98	24.87	7.76	12	5	2	705	215	228.07
267+15	5.00	50.95	23.72	7.91	10	4	1	715	217	231.82
267+20	5.00	50.16	23.17	6.72	9	4	1	725	218	235.21
267+25	5.00	49.80	23.03	5.88	9	4	1	734	220	238.79
267+30	5.00	49.38	22.87	5.65	9	4	1	743	221	242.44
267+35	5.00	49.68	22.70	6.08	9	4	1	752	222	246.09
267+40	5.00	50.58	22.53	5.72	9	4	1	762	223	249.88
267+45	5.00	51.52	22.37	5.04	9	4	1	771	225	253.98
267+50	5.00	53.55	22.20	4.17	10	4	1	781	226	258.56
267+55	5.00	54.08	22.03	5.72	10	4	1	791	227	263.33
267+60	5.00	53.03	21.87	7.62	10	4	1	801	228	267.70
267+65	5.00	52.19	21.70	9.37	10	4	2	810	230	271.52
267+70	5.00	52.14	21.53	11.01	10	4	2	820	232	274.91
267+75	5.00	53.03	21.37	11.53	10	4	2	830	235	278.17
267+80	5.00	52.79	21.20	13.55	10	4	2	840	238	281.24
267+85	5.00	51.97	21.03	16.87	10	4	3	849	241	283.65
267+90	5.00	50.83	20.87	19.33	10	4	3	859	245	285.27
267+95	5.00	49.26	20.70	21.47	9	4	4	868	250	286.15
268+00	5.00	47.19	20.53	23.27	9	4	4	877	255	286.29
268+05	5.00	46.88	20.37	23.38	9	4	4	886	260	286.03
268+10	5.00	46.57	20.20	23.74	9	4	4	894	265	285.70
268+15	5.00	45.30	20.03	24.62	9	4	4	903	270	285.10
268+20	5.00	43.42	19.87	25.68	8	4	5	911	276	284.04
268+25	5.00	41.71	19.70	26.82	8	4	5	919	282	282.42
268+30	5.00	40.30	19.53	27.46	8	4	5	927	288	280.35
268+35	5.00	39.88	19.37	27.87	7	4	5	934	294	278.03
268+40	5.00	39.39	19.20	28.67	7	4	5	941	300	275.51
268+45	5.00	39.17	19.03	30.57	7	4	5	949	307	272.67
268+50	5.00	38.49	18.87	29.49	7	4	6	956	314	269.67
268+55	5.00	37.22	18.70	37.28	7	3	6	963	321	265.79
268+60	5.00	36.46	18.53	40.27	7	3	7	970	330	260.55
268+65	5.00	36.81	18.37	42.73	7	3	8	976	339	254.69
268+70	5.00	37.60	18.20	45.59	7	3	8	983	349	248.38
268+75	5.00	37.68	18.03	45.55	7	3	8	990	359	241.87
268+80	5.00	36.53	17.87	48.90	7	3	9	997	369	234.92
268+85	5.00	35.16	17.70	50.05	7	3	9	1,004	380	227.27
268+90	5.00	34.97	17.53	49.33	6	3	9	1,010	391	219.46
268+95	5.00	34.25	17.37	52.76	6	3	9	1,017	403	211.30
269+00	5.00	34.22	17.18	53.00	6	3	10	1,023	414	202.68
269+05	5.00	35.18	16.57	52.51	6	3	10	1,029	426	194.26
269+10	5.00	35.28	16.18	51.49	7	3	10	1,036	438	186.20
269+15	5.00	34.97	15.79	48.79	7	3	9	1,043	449	178.60
269+20	5.00	34.81	15.40	45.50	6	3	9	1,049	459	171.70
269+25	5.00	34.85	14.97	42.37	6	3	8	1,055	469	165.57
269+30	5.00	33.60	14.46	39.13	6	3	8	1,062	478	160.13
269+35	5.00	32.39	13.95	32.66	6	3	7	1,068	486	155.63
269+40	5.00	30.76	13.45	30.44	6	3	6	1,074	493	151.93
269+45	5.00	29.41	12.94	28.37	6	2	5	1,079	500	148.53
269+50	5.00	28.82	12.45	25.36	5	2	5	1,085	506	145.60
269+55	5.00	28.24	11.97	21.21	5	2	4	1,090	511	143.44
269+60	5.00	29.12	11.49	18.91	5	2	4	1,095	515	142.12
269+65	5.00	31.35	11.00	16.31	6	2	3	1,101	519	141.73
269+70	5.00	36.09	10.51	14.47	6	2	3	1,107	523	142.56
269+75	5.00	43.77	10.05	12.83	7	2	3	1,115	526	145.02
269+80	5.00	45.25	9.61	9.82	8	2	2	1,123	528	148.92
269+85	5.00	46.33	9.24	9.52	8	2	2	1,131	530	153.51
269+90	5.00	46.84	8.81	10.31	9	2	2	1,140	532	158.26
269+95	5.00	50.07	8.33	11.04	9	2	2	1,149	535	163.27
270+00	5.00	51.12	7.86	12.08	9	1	2	1,158	537	168.57
270+05	5.00	54.51	7.37	13.99	10	1	2	1,168	540	174.05
270+10	5.00	55.66	6.94	15.09	10	1	3	1,178	543	179.69
270+15	5.00	55.58	6.49	13.19	10	1	3	1,188	547	185.60
270+20	5.00	55.02	6.04	10.59	10	1	2	1,199	549	192.04
270+25	5.00	55.44	5.76	10.32	10	1	2	1,209	552	198.85
270+30	5.00	51.66	5.60	10.10	10	1	2	1,219	554	205.45
270+35	5.00	47.20	5.42	9.19	9	1	2	1,228	556	211.44
270+40	5.00	42.62	5.00	4.18	8	1	1	1,236	557	217.31
270+45	5.00	32.80	5.00	0.44	7	1	0	1,243	558	222.85
270+50	5.00	30.99	5.00	0.07	6	1	0	1,249	558	227.78
270+55	5.00	31.42	5.00	0.05	6	1	0	1,255	558	232.61
270+60	5.00	31.65	5.00	0.05	6	1	0	1,261	558	237.52
270+65	5.00	32.27	5.00	0.03	6	1	0	1,267	558	242.50
270+70	5.00	32.73	5.00	0.01	6	1	0	1,273	558	247.59
270+75	5.00	29.68	5.00	0.00	6	1	0	1,279	558	252.44
270+80	5.00	19.11	2.50	0.00	5	1	0	1,283	558	256.26
270+85	5.00	17.12	2.50	0.13	3	0	0	1,286	558	259.14
270+90	5.00	16.08	2.50	0.01	3	0	0	1,290	558	261.74
270+95	5.00	16.04	2.50	0.00	3	0	0	1,292	558	264.25
271+00	5.00	16.01	2.50	0.00	3	0	0	1,295	558	266.75
271+05	5.00	16.16	2.50	0.00	3	0	0	1,298	558	269.27
271+10	5.00	15.85	2.50	0.00	3	0	0	1,301	558	271.77
271+15	5.00	14.62	2.50	0.00	3	0	0	1,304	558	274.13
271+18.02	3.02	13.44	0.00	0.00	2	0	0	1,306	558	275.55
COLUMN TOTALS					1,306	472	465			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

9

PROJECT NO: 3370-05-00 | HWY: STH 142 | COUNTY: RACINE | EARTHWORK DATA | SHEET: E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

HORSESHOE TRAIL

STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.00	
10+12	0.00	12.41	9.83	0.00	0	0	0	0	0	0.00
10+15	3.00	30.58	12.34	0.00	2	1	0	2	0	1.16
10+20	5.00	40.99	16.45	0.00	7	3	0	9	0	5.12
10+25	5.00	49.83	20.56	0.00	8	3	0	17	0	10.10
10+30	5.00	56.54	24.67	0.00	10	4	0	27	0	15.76
10+35	5.00	61.58	28.71	0.00	11	5	0	38	0	21.76
10+40	5.00	69.52	30.49	0.00	12	5	0	50	0	28.41
10+45	5.00	72.01	28.45	2.76	13	5	0	63	0	35.81
10+50	5.00	66.49	25.20	5.69	13	5	1	76	1	42.88
10+55	5.00	66.90	22.70	3.81	12	4	1	89	2	49.92
10+60	5.00	78.87	20.83	3.39	13	4	1	102	3	58.72
10+65	5.00	78.74	19.63	2.65	15	4	1	117	3	69.00
10+70	5.00	80.76	18.22	0.85	15	4	0	131	3	79.94
10+75	5.00	75.80	16.91	0.44	14	3	0	146	4	91.07
10+80	5.00	70.80	16.14	0.25	14	3	0	160	4	101.52
10+85	5.00	65.78	15.88	0.22	13	3	0	172	4	111.15
10+90	5.00	66.94	15.52	0.00	12	3	0	184	4	120.52
10+95	5.00	54.34	15.09	0.00	11	3	0	196	4	128.91
11+00	5.00	51.87	14.65	0.00	10	3	0	206	4	135.99
11+05	5.00	49.71	14.37	0.00	9	3	0	215	4	142.71
11+10	5.00	46.69	14.10	0.06	9	3	0	224	4	148.99
11+15	5.00	46.26	13.79	0.10	9	3	0	232	4	155.00
11+20	5.00	47.30	13.39	0.04	9	3	0	241	4	161.14
11+25	5.00	47.65	12.98	0.04	9	2	0	250	4	167.48
11+30	5.00	46.05	12.60	0.19	9	2	0	259	4	173.77
11+35	5.00	45.15	12.24	0.28	8	2	0	267	4	179.87
11+40	5.00	44.00	11.85	0.38	8	2	0	275	4	185.83
11+45	5.00	44.70	11.45	0.19	8	2	0	284	4	191.83
11+50	5.00	46.55	11.03	0.00	8	2	0	292	4	198.18
11+55	5.00	46.38	10.97	0.00	9	2	0	301	4	204.75
11+60	5.00	46.25	10.93	0.00	9	2	0	309	4	211.30
		COLUMN TOTALS			**309**	**94**	**4**			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.2

Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
277+50	0.00	23.06	4.00	3.16	0	0	0	0	0	0.00
278+00	50.00	45.46	4.00	11.89	63	7	14	63	17	39.32
278+25	25.00	58.07	4.00	13.82	48	4	12	111	31	69.26
278+50	25.00	67.02	4.00	4.91	58	4	9	169	41	113.07
278+75	25.00	79.39	4.00	0.35	68	4	2	237	44	174.22
279+00	25.00	95.13	4.00	1.11	81	4	1	318	45	250.50
279+50	50.00	49.93	4.00	6.46	134	7	7	452	54	369.00
280+00	50.00	33.23	4.00	2.80	77	7	9	529	64	428.31
280+50	50.00	33.31	4.00	2.80	62	7	5	591	70	476.29
281+00	50.00	24.73	4.00	1.05	54	7	4	645	74	518.34
281+50	50.00	19.19	4.00	10.28	41	7	10	685	87	539.02
282+00	50.00	19.04	4.00	33.87	35	7	41	721	136	517.95
282+50	50.00	25.19	4.00	23.86	41	7	53	762	200	487.35
283+00	50.00	53.81	4.00	2.55	73	7	24	835	229	523.74
283+25	25.00	50.46	4.00	6.53	48	4	4	883	235	563.27
283+50	25.00	30.60	4.00	11.50	38	4	8	920	245	587.08
283+57.05	7.05	31.31	4.00	12.05	8	1	3	929	248	590.43
283+93.02	35.97	45.85	4.00	10.63	51	5	15	980	266	618.36
284+00	6.98	49.95	4.00	11.82	12	1	3	992	270	626.23
284+09.17	9.17	42.86	4.00	11.26	16	1	4	1,008	275	635.93
284+50	40.83	42.58	4.00	10.38	65	6	16	1,073	294	674.84
285+00	50.00	41.98	4.00	7.60	78	7	17	1,151	314	725.75
285+08	8.00	52.92	4.00	6.75	14	1	2	1,165	317	736.07
285+08.48	0.48	39.73	4.00	18.82	1	0	0	1,166	317	736.55
285+10	1.52	39.69	4.00	18.19	2	0	1	1,168	318	737.31
285+15	5.00	38.58	4.00	17.13	7	1	3	1,175	322	739.89
285+20	5.00	36.44	2.00	16.37	7	1	3	1,182	326	742.56
285+25	5.00	35.21	2.00	15.49	7	0	3	1,189	329	745.29
285+30	5.00	42.17	3.34	10.69	7	0	2	1,196	332	749.05
285+35	5.00	49.85	4.67	3.20	9	1	1	1,205	334	755.28
285+40	5.00	53.02	8.00	0.00	10	1	0	1,214	334	763.28
285+45	5.00	57.64	10.67	0.00	10	2	0	1,224	334	771.79
285+50	5.00	50.52	14.47	0.00	10	2	0	1,234	334	779.48
285+55	5.00	36.97	18.61	0.00	8	3	0	1,243	334	784.52
285+56.99	1.99	32.24	14.61	3.79	3	1	0	1,245	334	785.68
285+60	3.01	64.31	13.61	10.24	5	2	1	1,250	335	788.55
285+65	5.00	23.83	12.34	10.73	8	2	2	1,259	338	791.98
285+70	5.00	18.08	10.87	10.83	4	2	2	1,263	340	791.31
285+75	5.00	16.70	9.90	10.02	3	2	2	1,266	342	790.29
285+80	5.00	15.94	8.91	8.95	3	2	2	1,269	344	789.47

TABLE CONTINUED

STH 142 AT CTH J

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/Unusable Pavement Material	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.20	Mass Ordinate
285+85	5.00	15.44	8.11	8.59	3	2	2	1,272	346	788.85
285+90	5.00	14.77	7.53	8.28	3	1	2	1,274	348	788.32
285+95	5.00	16.17	8.50	8.16	3	1	2	1,277	350	787.88
286+00	5.00	18.40	10.17	8.57	3	2	2	1,281	352	787.49
286+05	5.00	19.87	12.09	0.00	4	2	1	1,284	353	788.02
286+10	5.00	10.74	7.42	0.00	3	2	0	1,287	353	789.05
286+14.24	4.24	0.41	0.33	0.00	1	1	0	1,288	353	789.31
286+20	5.76	0.00	0.00	0.00	0	0	0	1,288	353	789.32
286+27.07	7.07	0.26	0.33	0.00	0	0	0	1,288	353	789.31
286+30	2.93	7.35	5.80	0.00	0	0	0	1,288	353	789.39
286+35	5.00	13.70	14.23	2.38	2	2	0	1,290	353	789.22
286+40	5.00	13.58	11.55	11.16	3	2	1	1,293	355	787.86
286+45	5.00	14.04	9.64	11.18	3	2	2	1,295	357	785.97
286+50	5.00	15.09	8.07	9.92	3	2	2	1,298	360	784.68
286+55	5.00	17.85	8.54	8.73	3	2	2	1,301	362	784.12
286+60	5.00	19.91	9.40	8.26	3	2	2	1,305	363	784.07
286+65	5.00	22.48	10.27	8.65	4	2	2	1,308	365	784.30
286+70	5.00	22.02	11.31	8.87	4	2	2	1,313	367	784.47
286+75	5.00	27.20	12.63	8.85	5	2	2	1,317	369	784.84
286+80	5.00	24.34	14.25	8.56	5	2	2	1,322	371	785.19
286+85	5.00	27.79	15.42	8.08	5	3	2	1,327	373	785.42
286+90	5.00	31.37	17.08	7.81	5	3	1	1,332	375	786.13
286+95	5.00	32.34	17.80	8.06	6	3	1	1,338	377	787.03
287+00	5.00	29.91	18.38	9.10	6	3	2	1,344	379	787.54
287+05	5.00	33.03	14.65	10.70	6	3	2	1,350	381	788.11
287+10	5.00	33.83	10.09	12.78	6	2	2	1,356	383	789.40
287+15	5.00	22.82	7.00	17.46	5	2	3	1,361	387	789.70
287+20	5.00	15.80	4.69	38.23	4	1	5	1,365	393	786.01
287+25	5.00	11.76	3.10	49.04	3	1	8	1,367	403	778.14
287+30	5.00	7.69	1.03	46.94	2	0	9	1,369	413	768.89
287+35	5.00	8.26	0.20	47.24	1	0	9	1,371	424	759.79
287+40	5.00	7.20	0.00	41.81	1	0	8	1,372	434	751.31
287+45	5.00	6.57	0.00	36.32	1	0	7	1,373	442	743.91
287+46.61	1.61	6.46	6.39	35.57	0	0	2	1,374	445	741.54
287+46.87	0.26	17.19	6.67	29.08	0	0	0	1,374	445	741.21
287+50	3.13	16.78	6.67	30.39	2	1	3	1,376	449	738.27
287+57.64	7.64	15.87	6.67	30.45	5	2	9	1,380	460	730.67
287+75	17.36	15.25	6.67	31.25	10	4	20	1,390	483	712.59
287+84	9.00	18.36	6.67	26.04	6	2	10	1,396	495	704.51
288+00	16.00	20.82	6.67	20.25	12	4	14	1,408	511	695.70
288+47.09	47.09	17.97	6.67	15.59	34	12	31	1,441	549	680.38
288+50	2.91	18.11	6.67	14.90	2	1	2	1,443	551	679.63
288+57.89	7.89	18.88	6.67	12.96	5	2	4	1,449	556	678.20
289+00	42.11	25.76	6.67	4.80	35	10	14	1,484	572	685.99
289+14	14.00	26.64	6.67	3.69	14	3	2	1,497	575	693.47
289+50	36.00	53.69	6.67	1.78	54	9	4	1,551	579	733.76
290+00	50.00	68.53	6.67	0.00	113	12	2	1,664	581	832.60
290+33.38	33.38	65.97	6.67	0.00	83	8	0	1,747	581	907.50
290+50	16.62	61.35	6.67	0.00	39	4	0	1,786	581	942.57
290+75	25.00	43.61	6.67	0.17	49	6	0	1,835	581	984.89
291+00	25.00	31.79	6.67	0.00	35	6	0	1,870	582	1,013.53
291+25	25.00	27.03	6.67	0.00	27	6	0	1,897	582	1,034.58
291+49.7	24.70	24.33	6.67	0.00	23	6	0	1,920	582	1,051.98
					COLUMN TOTALS	1,920	287	485		

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.2

Depending on selections:

Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor

Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor

5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

9

PROJECT NO: 3370-05-00	HWY: STH 142	COUNTY: RACINE	EARTHWORK DATA	SHEET:	E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1

PRJ 440

CTH J

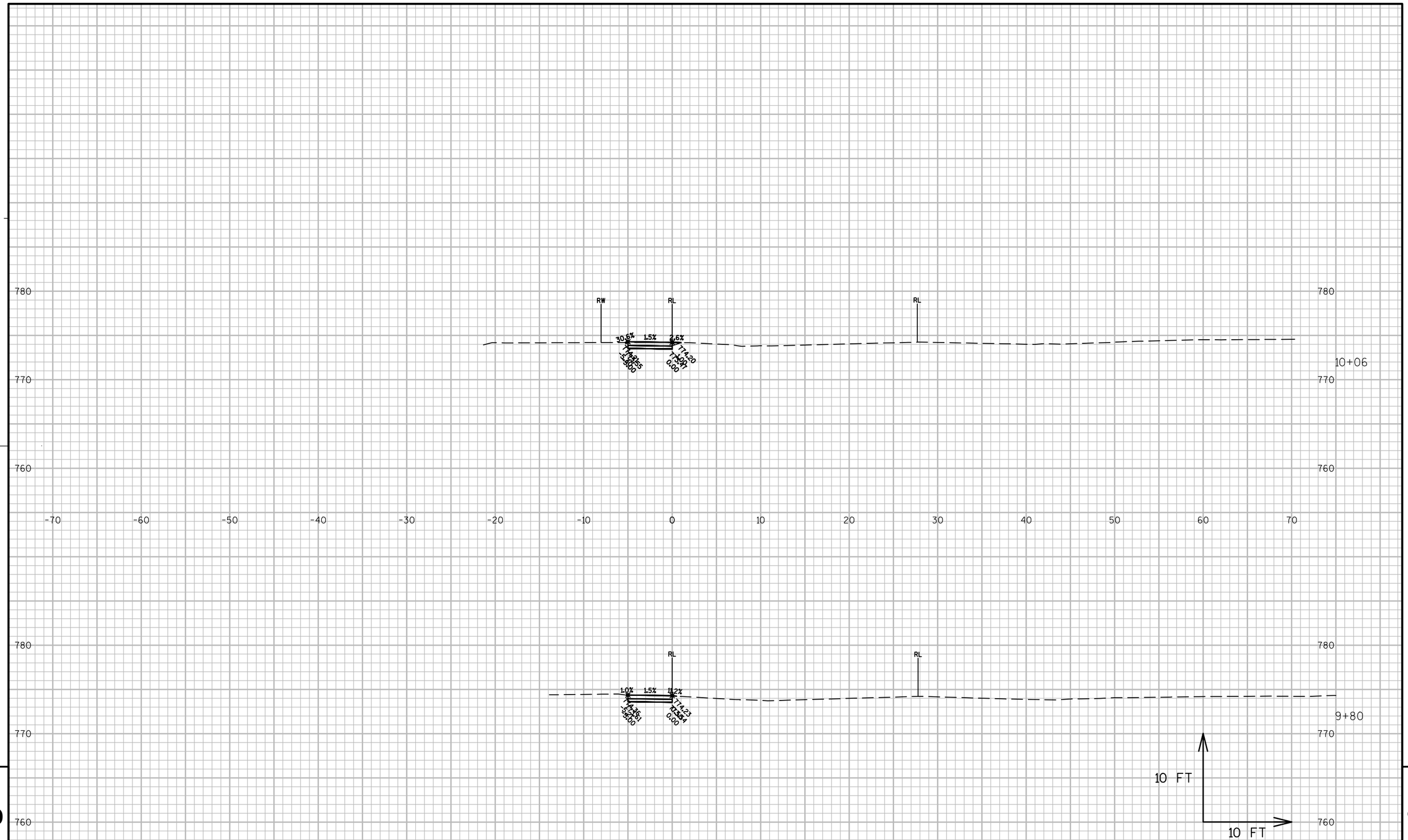
STATION	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)		Mass Ordinate
		Cut	Salvaged/Unusable Pavement Material	Fill	Cut	Salvaged/Unusable Pavement Material	Fill	Cut 1.00	Expanded Fill 1.20	
07+69.43	0.00	75.87	13.92	0.00	0	0	0	0	0	0.00
08+00	30.57	75.04	13.79	0.00	85	16	0	85	0	69.74
08+19.43	19.43	70.68	13.95	0.03	52	10	0	138	0	112.18
08+34.28	14.85	68.43	14.23	0.01	38	8	0	176	0	142.68
08+50	15.72	67.57	14.53	0.00	40	8	0	216	0	173.89
08+59.43	9.43	62.09	15.18	0.07	23	5	0	238	0	191.34
08+68.74	9.30	61.26	16.80	0.00	21	6	0	260	0	207.06
08+69.43	0.70	51.91	16.88	13.19	1	0	0	261	0	207.88
08+70	0.57	51.92	16.98	13.00	1	0	0	262	1	208.29
08+75	5.00	53.44	17.86	13.51	10	3	2	272	4	211.87
08+80	5.00	53.74	19.92	15.82	10	3	3	282	7	215.04
08+85	5.00	54.32	21.99	17.48	10	4	3	292	10	217.46
08+90	5.00	58.24	23.20	18.72	10	4	3	302	15	219.68
08+95	5.00	61.22	25.00	15.75	11	4	3	313	18	222.45
09+00	5.00	65.33	27.12	6.12	12	5	2	325	21	226.91
09+05	5.00	65.50	30.04	0.24	12	5	1	337	21	233.02
09+10	5.00	62.78	33.54	0.11	12	6	0	349	22	238.98
09+15	5.00	53.55	38.47	5.75	11	7	1	360	22	242.43
09+20	5.00	53.38	37.68	5.18	10	7	1	370	23	244.07
09+25	5.00	52.13	37.13	5.46	10	7	1	379	25	245.73
09+30	5.00	45.24	34.83	5.13	9	7	1	388	26	246.90
09+35	5.00	41.16	33.32	4.41	8	6	1	396	27	247.53
09+40	5.00	42.82	31.14	4.57	8	6	1	404	28	248.34
09+45	5.00	42.31	31.06	4.62	8	6	1	412	29	249.44
09+50	5.00	41.37	30.11	5.21	8	6	1	420	30	250.43
09+55	5.00	41.99	29.25	6.03	8	5	1	428	31	251.41
09+60	5.00	42.54	28.48	7.01	8	5	1	435	33	252.44
09+65	5.00	48.35	28.15	8.29	8	5	1	444	34	253.91
09+70	5.00	51.41	27.15	9.46	9	5	2	453	36	256.05
09+75	5.00	47.22	24.09	0.88	9	5	1	462	37	259.29
09+80	5.00	31.74	20.00	0.00	7	4	0	470	38	262.42
09+85	5.00	16.79	10.23	0.00	4	3	0	474	38	264.12
09+90	5.00	0.69	0.40	0.00	2	1	0	476	38	264.75
10+10.38	20.38	0.43	0.33	0.00	0	0	0	476	38	264.90
10+15	4.62	11.52	9.03	0.00	1	1	0	477	38	265.12
10+20	5.00	23.69	18.41	0.00	3	3	0	480	38	265.84
10+25	5.00	27.77	26.06	5.05	5	4	0	485	38	265.93
10+30	5.00	33.30	30.38	13.06	6	5	2	491	40	264.34
10+35	5.00	34.54	32.32	16.60	6	6	3	497	43	261.52
10+40	5.00	35.12	33.42	17.04	6	6	3	504	47	258.15
10+45	5.00	39.48	34.62	17.06	7	6	3	510	51	254.97
10+50	5.00	41.55	35.83	17.12	8	7	3	518	55	252.15
10+55	5.00	41.54	36.87	17.01	8	7	3	526	59	249.32
10+60	5.00	47.61	38.12	15.30	8	7	3	534	62	247.04
10+65	5.00	52.48	39.07	13.63	9	7	3	543	65	245.95
10+70	5.00	69.53	38.64	0.00	11	7	1	554	67	248.54
10+75	5.00	73.21	33.50	0.00	13	7	0	568	67	255.07
10+80	5.00	72.52	29.21	0.00	13	6	0	581	67	262.76
10+85	5.00	67.49	26.02	0.00	13	5	0	594	67	270.61
10+90	5.00	60.59	23.81	2.17	12	5	0	606	67	277.61
10+95	5.00	48.95	22.09	10.36	10	4	1	616	68	282.11
11+00	5.00	40.79	21.00	14.83	8	4	2	624	71	283.63
11+05	5.00	36.91	20.27	16.12	7	4	3	632	75	283.57
11+10	5.00	108.70	20.54	14.93	13	4	3	645	78	289.82
11+15	5.00	46.16	16.77	13.23	14	3	3	659	81	297.58
11+20	5.00	33.68	16.04	12.71	7	3	2	667	84	299.05
11+21.51	1.51	31.62	15.84	12.76	2	1	1	669	85	299.13
11+21.64	0.13	39.34	15.67	0.52	0	0	0	669	85	299.18
11+31.51	9.87	32.80	14.70	1.89	13	6	0	682	86	306.29
11+50	18.49	29.70	14.01	5.84	21	10	3	703	89	314.69
11+55.1	5.10	28.39	14.01	6.07	5	3	1	709	90	316.18
11+65.39	10.29	26.91	14.01	3.85	11	5	2	719	92	319.11
11+79.17	13.78	26.30	14.01	1.61	14	7	1	733	94	323.87
12+00	20.83	27.51	14.01	1.51	21	11	1	754	95	332.37
12+25	25.00	34.84	14.01	0.86	29	13	1	783	97	346.95
12+50	25.00	40.68	14.01	0.28	35	13	1	818	97	368.30
12+55	5.00	40.67	14.01	1.39	8	3	0	825	98	373.06
		COLUMN TOTALS			**825**	**354**	**81**			

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) Available Material = Cut - Salvaged/Unusuable Pavement Material
4) Expanded Fill. Factor = 1.2
Depending on selections: **Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh - Reduced EBS) * Fill Factor**
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced EBS) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor - Reduced Marsh) * Fill Factor
Or Expanded Fill = (Unexpanded Fill - Rock* Rock Factor) * Fill Factor
5) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

9

PROJECT NO: 3370-05-00 | HWY: STH 142 | COUNTY: RACINE | EARTHWORK DATA | SHEET: | E

FILE NAME : _____ PLOT DATE : _____ PLOT BY : _____ PLOT NAME : _____ PLOT SCALE : 1:1



9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 442	E

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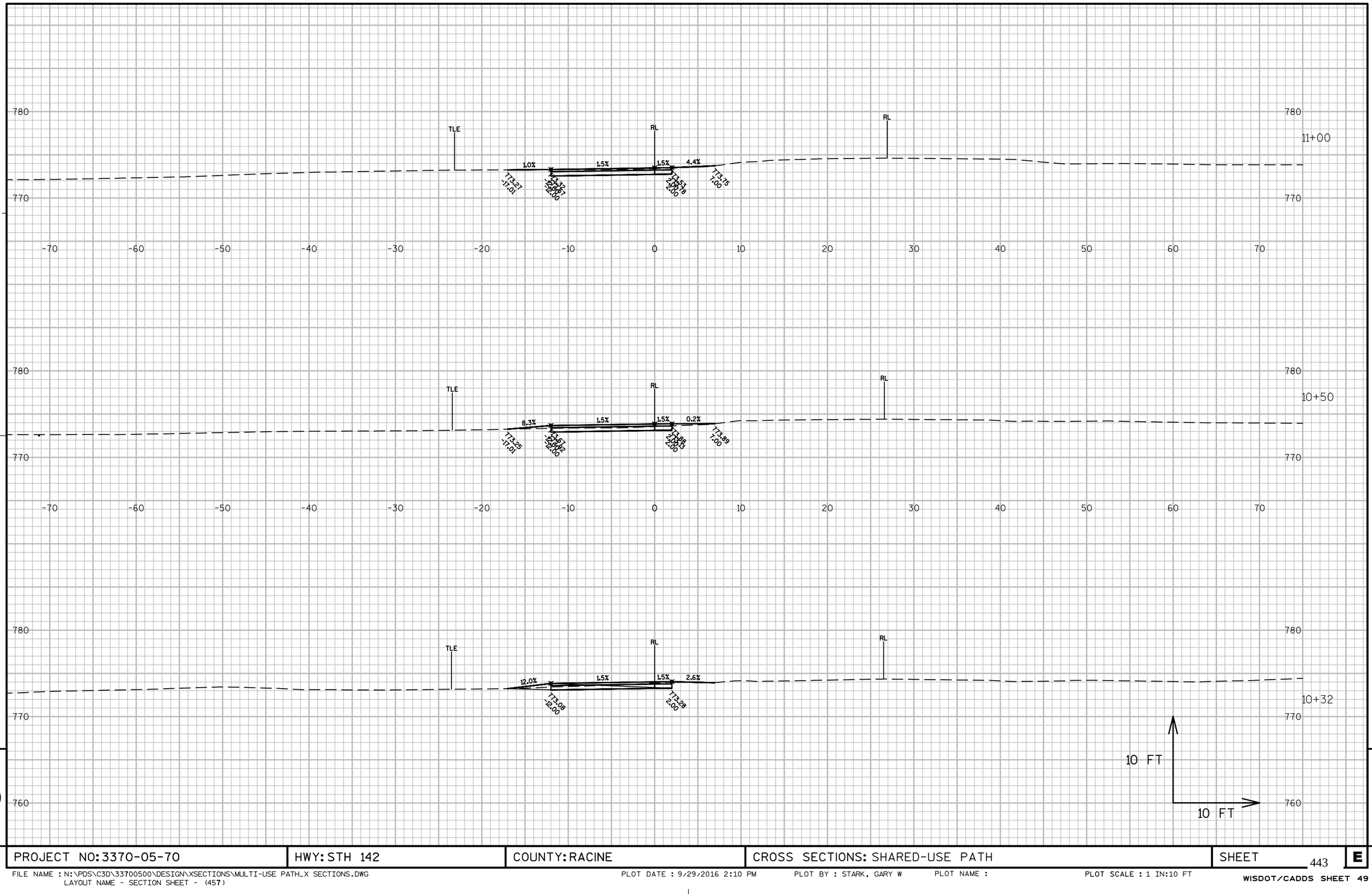
LAYOUT NAME - SECTION SHEET - (456)

PLOT DATE : 9/29/2016 2:09 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 443	E

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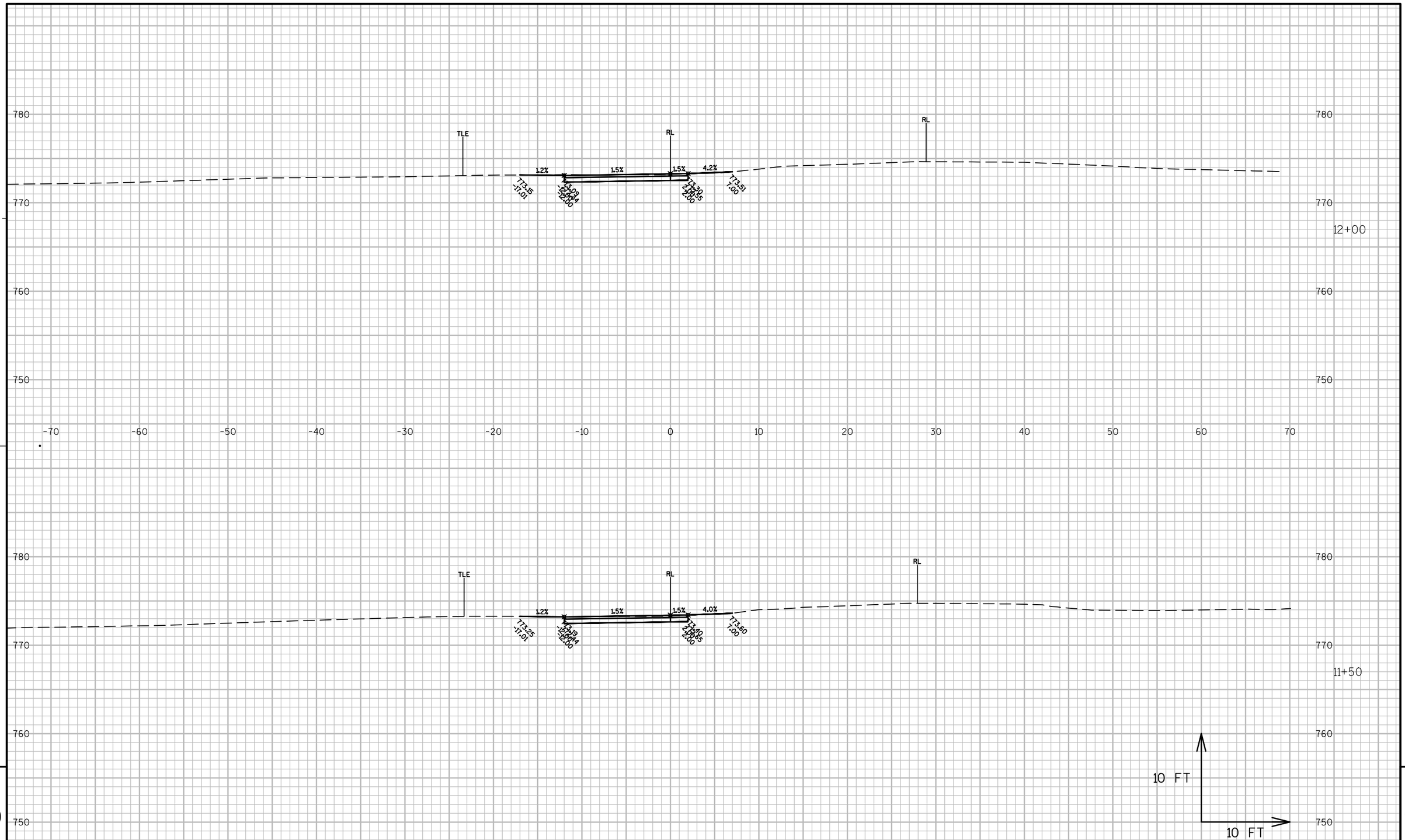
LAYOUT NAME - SECTION SHEET - (457)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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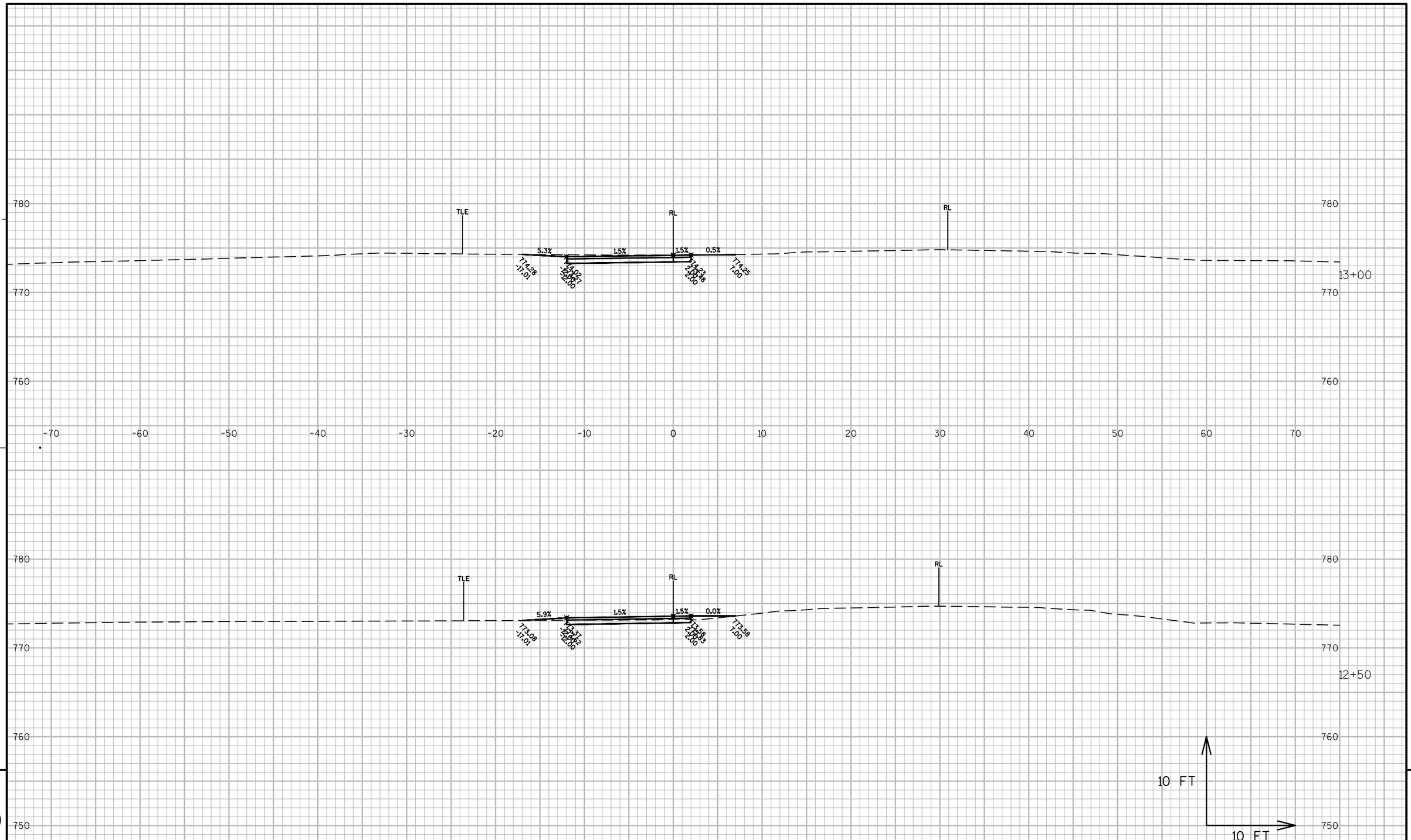
LAYOUT NAME - SECTION SHEET - (458)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 445	E

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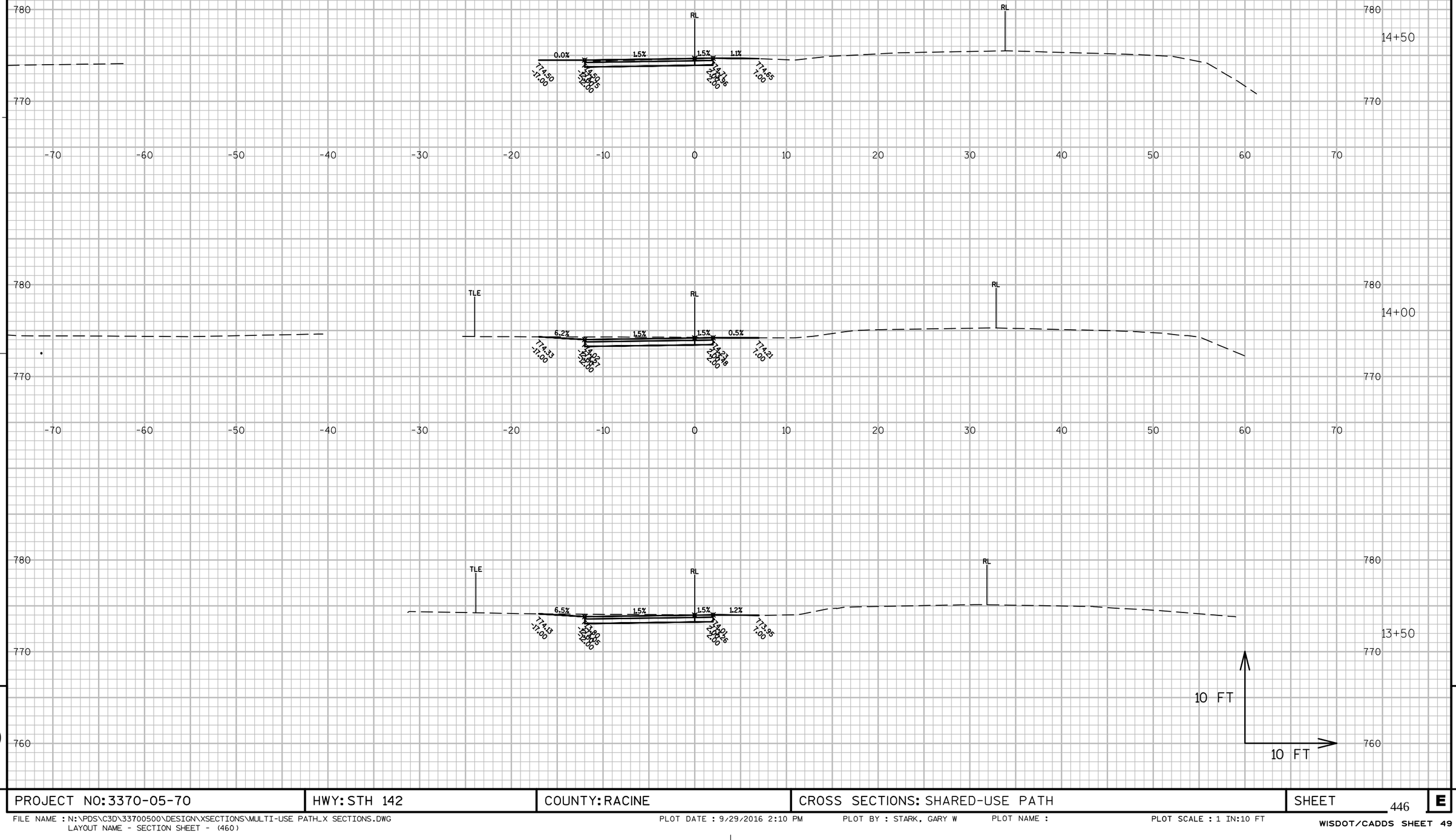
LAYOUT NAME - SECTION SHEET - (459)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 446	E

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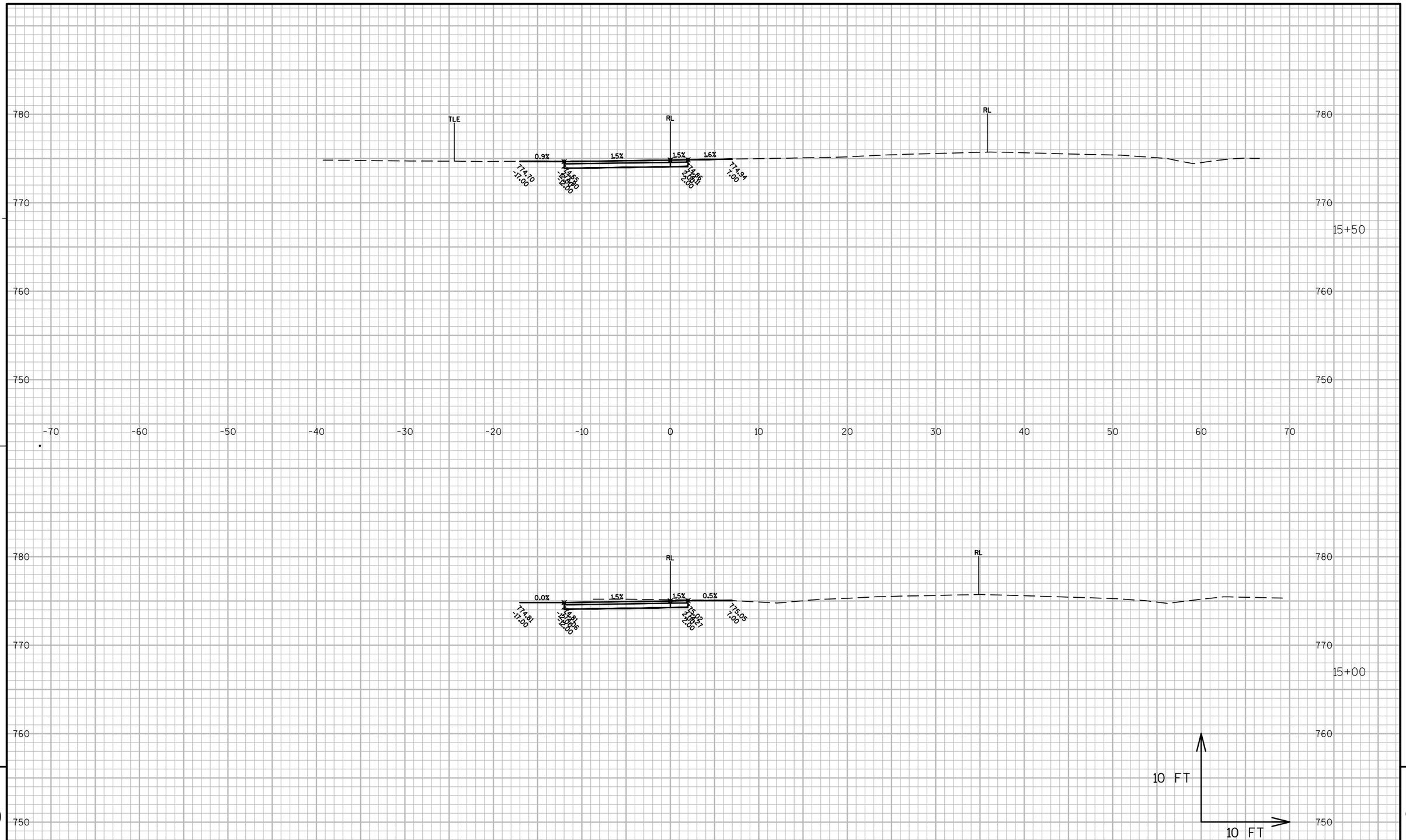
PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



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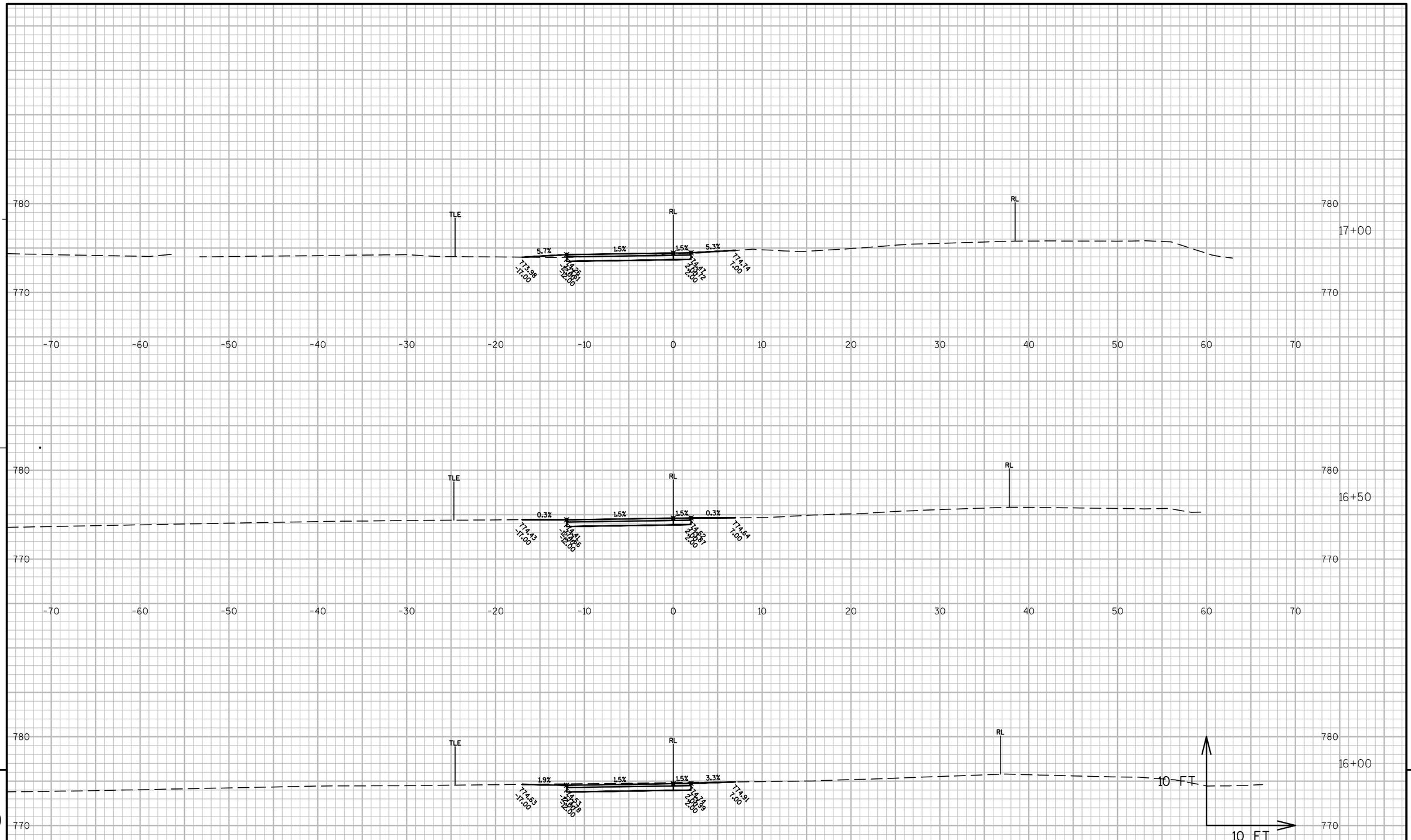
FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (461)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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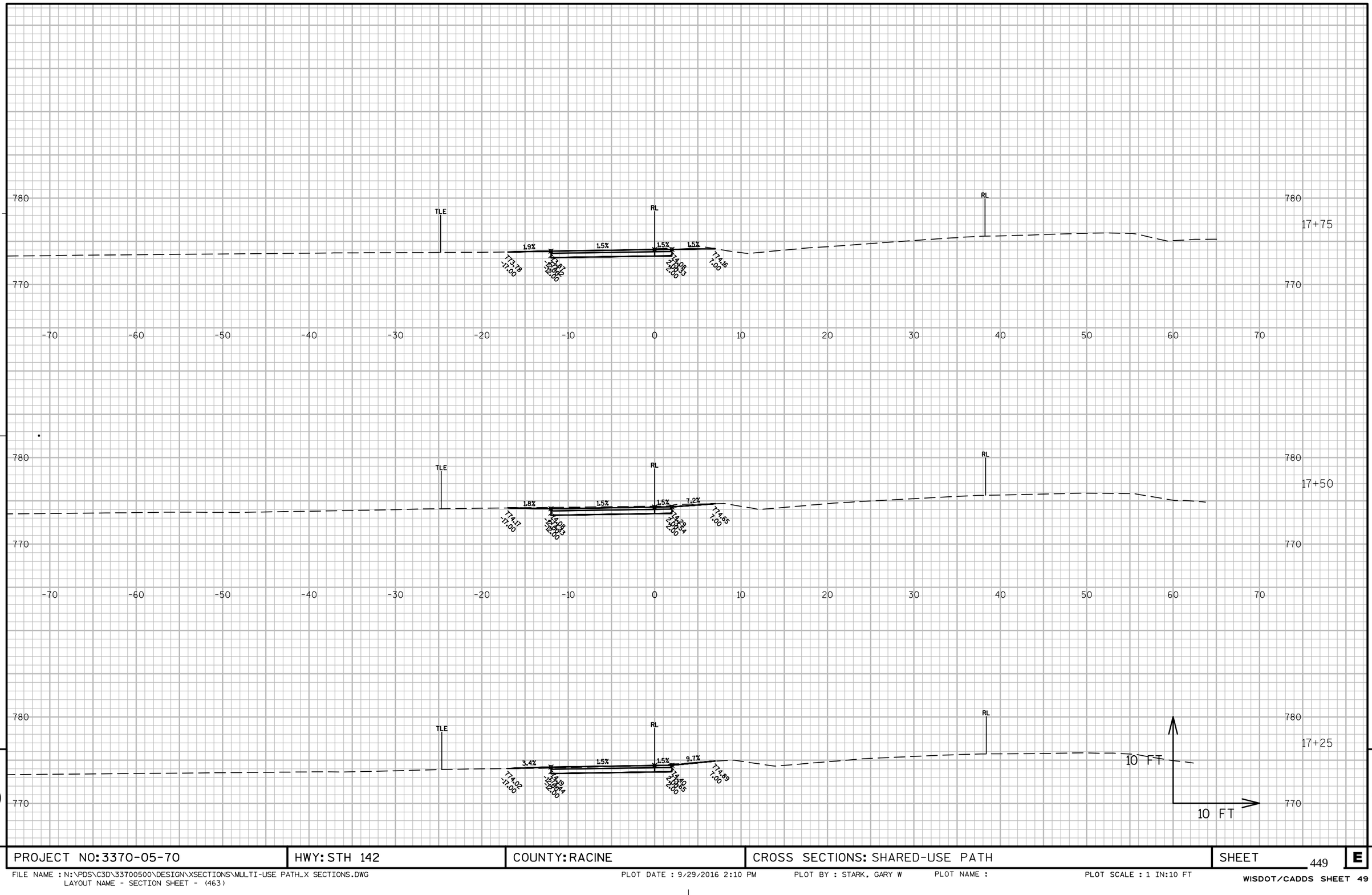
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 448	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (462)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

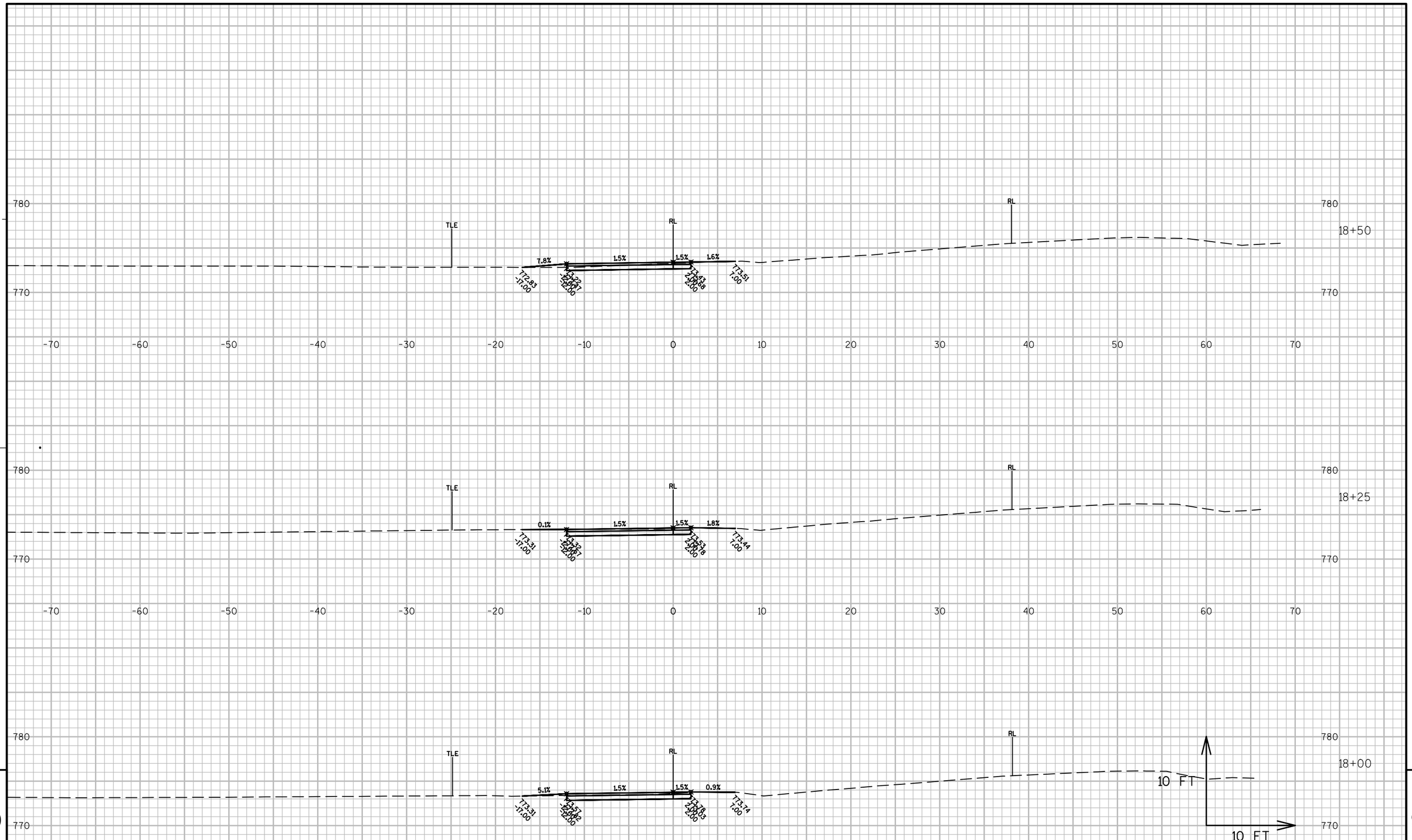


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 449	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (463)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

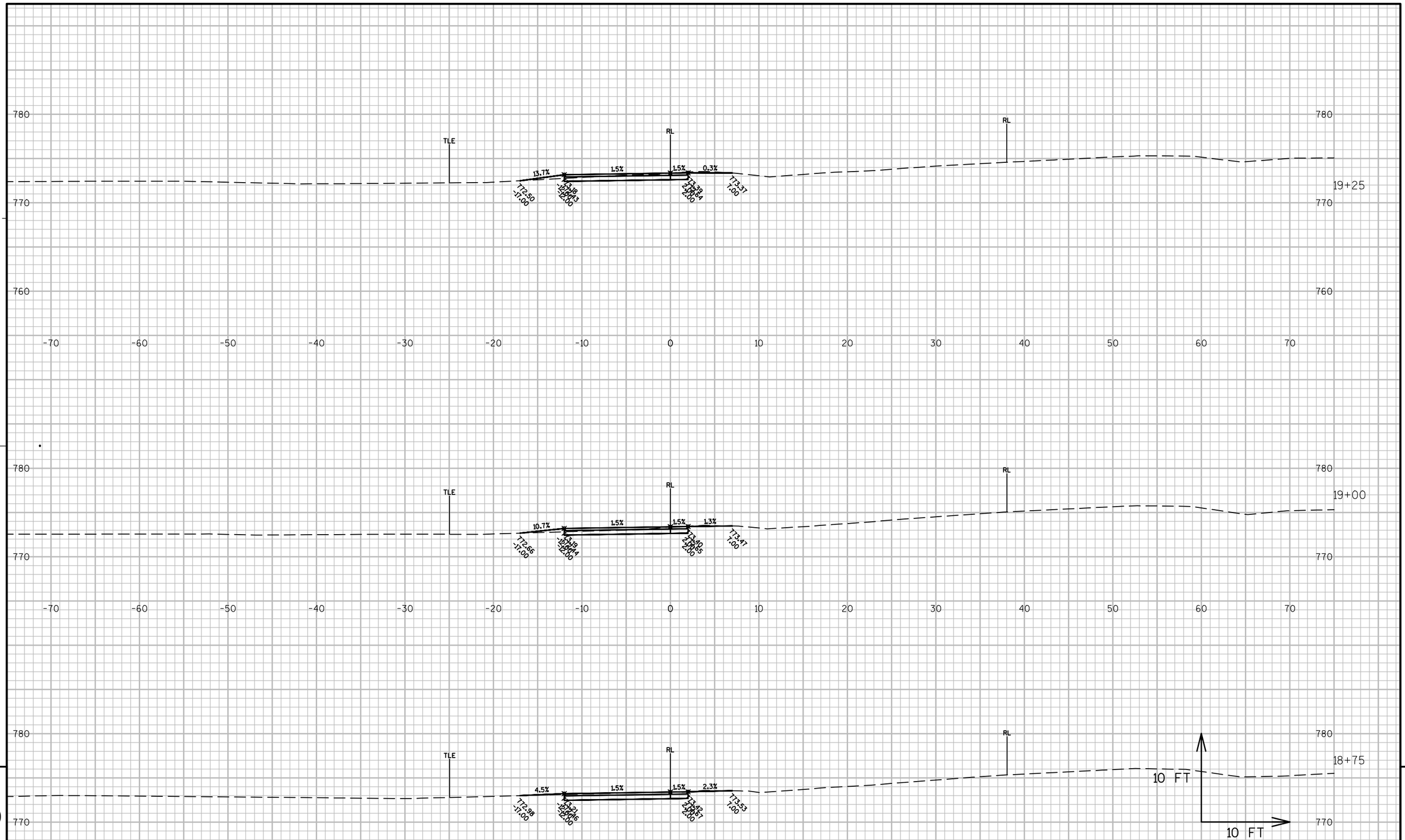
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 450	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (464)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



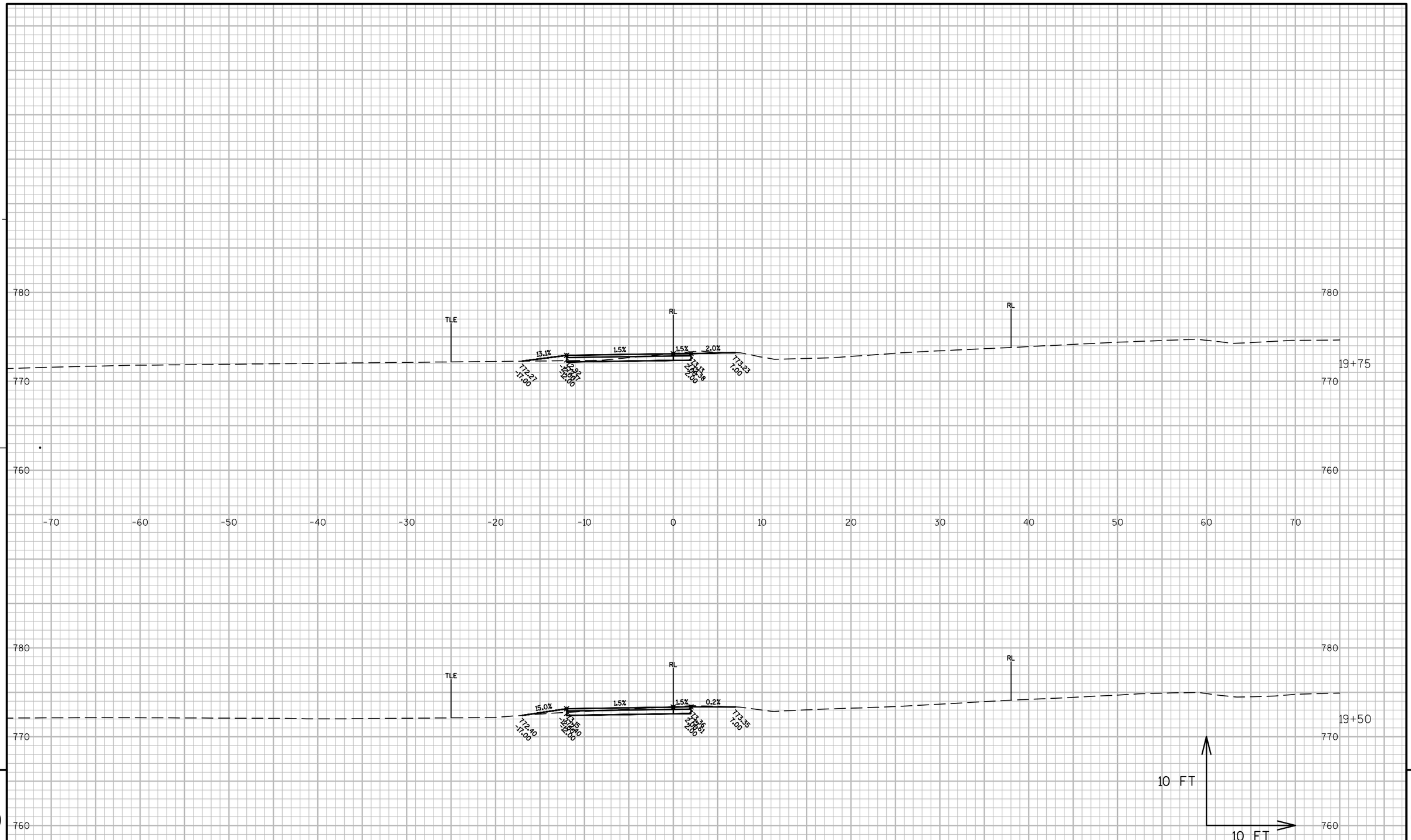
9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 451	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (465)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



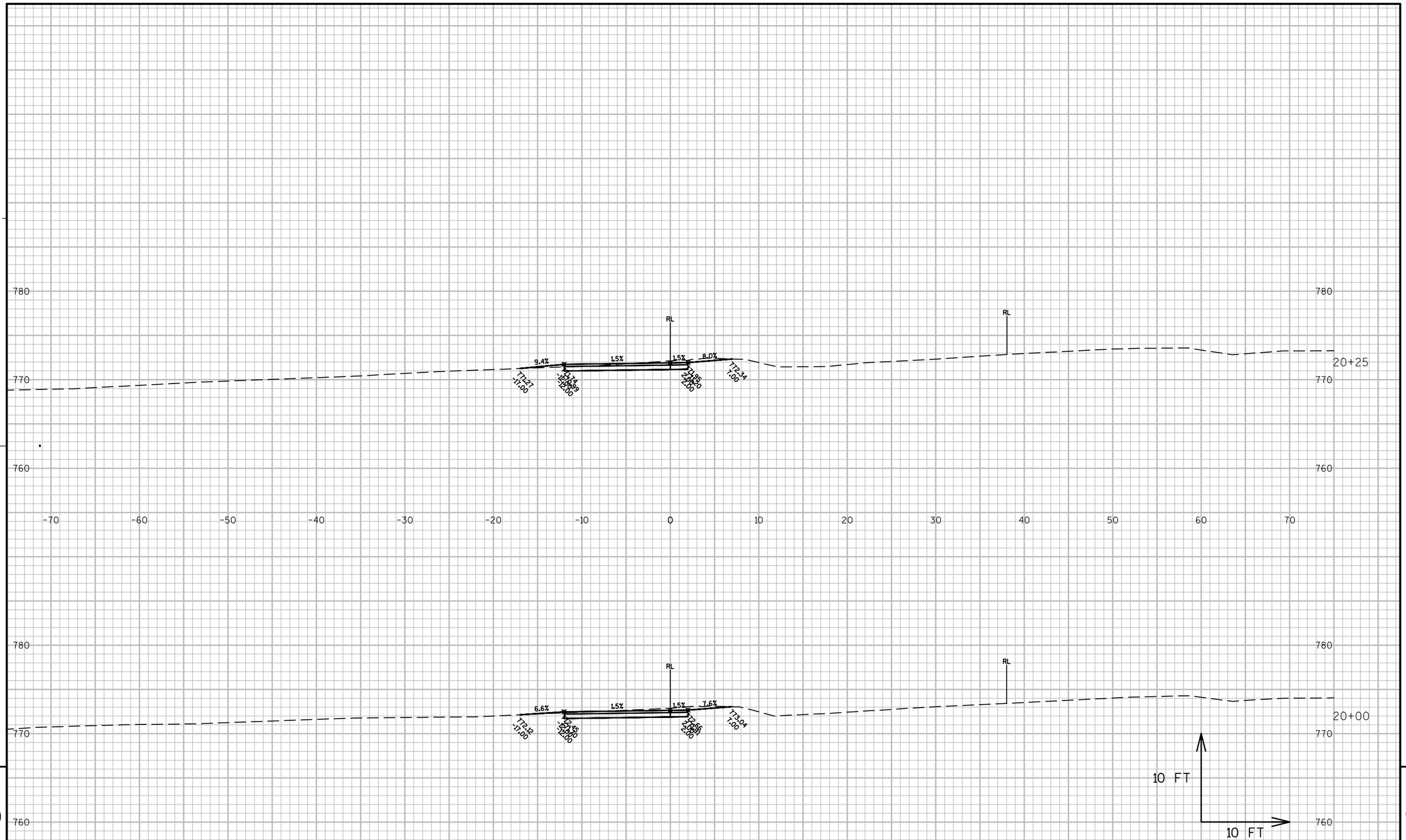
9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 452	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (466)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

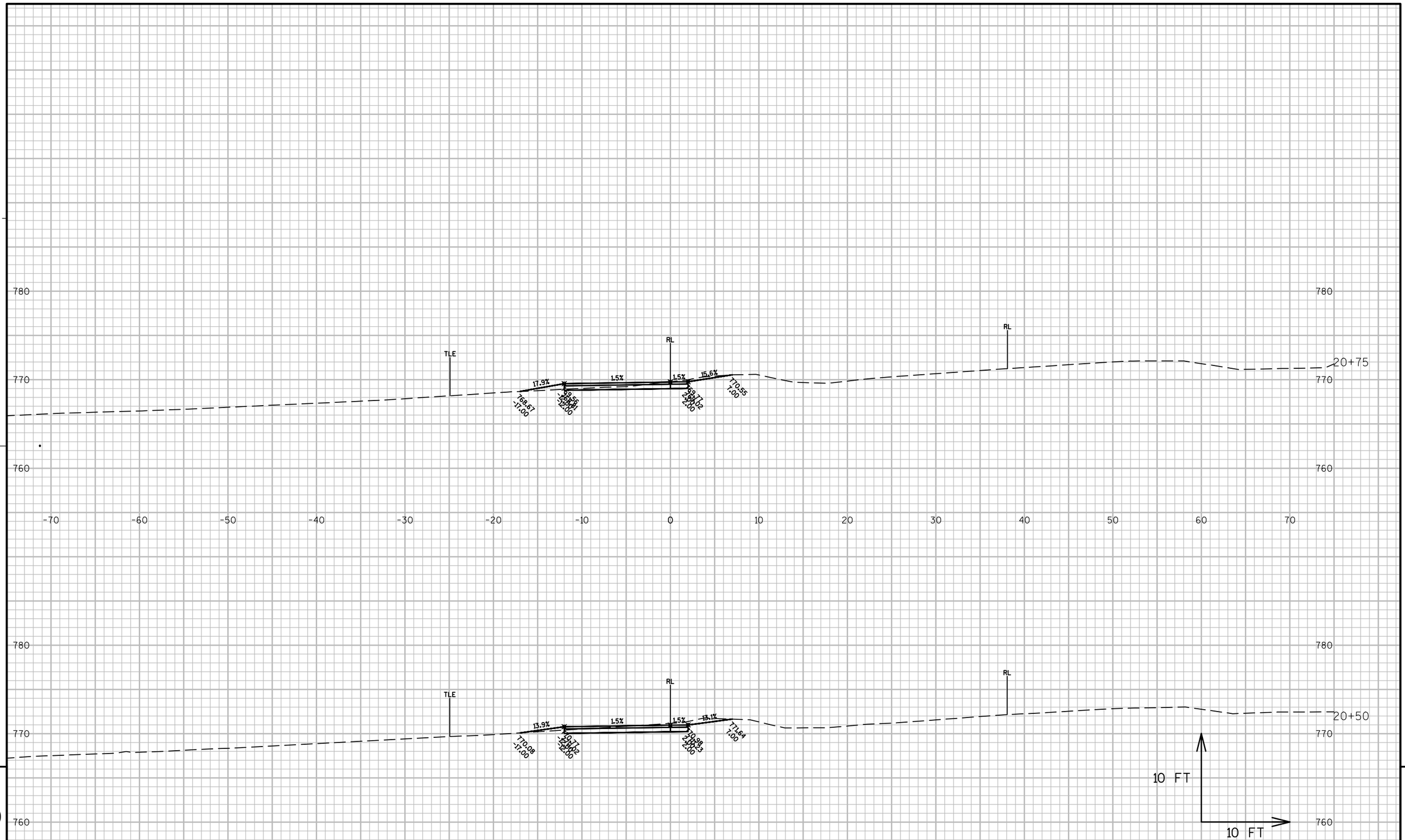
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 453	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (467)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

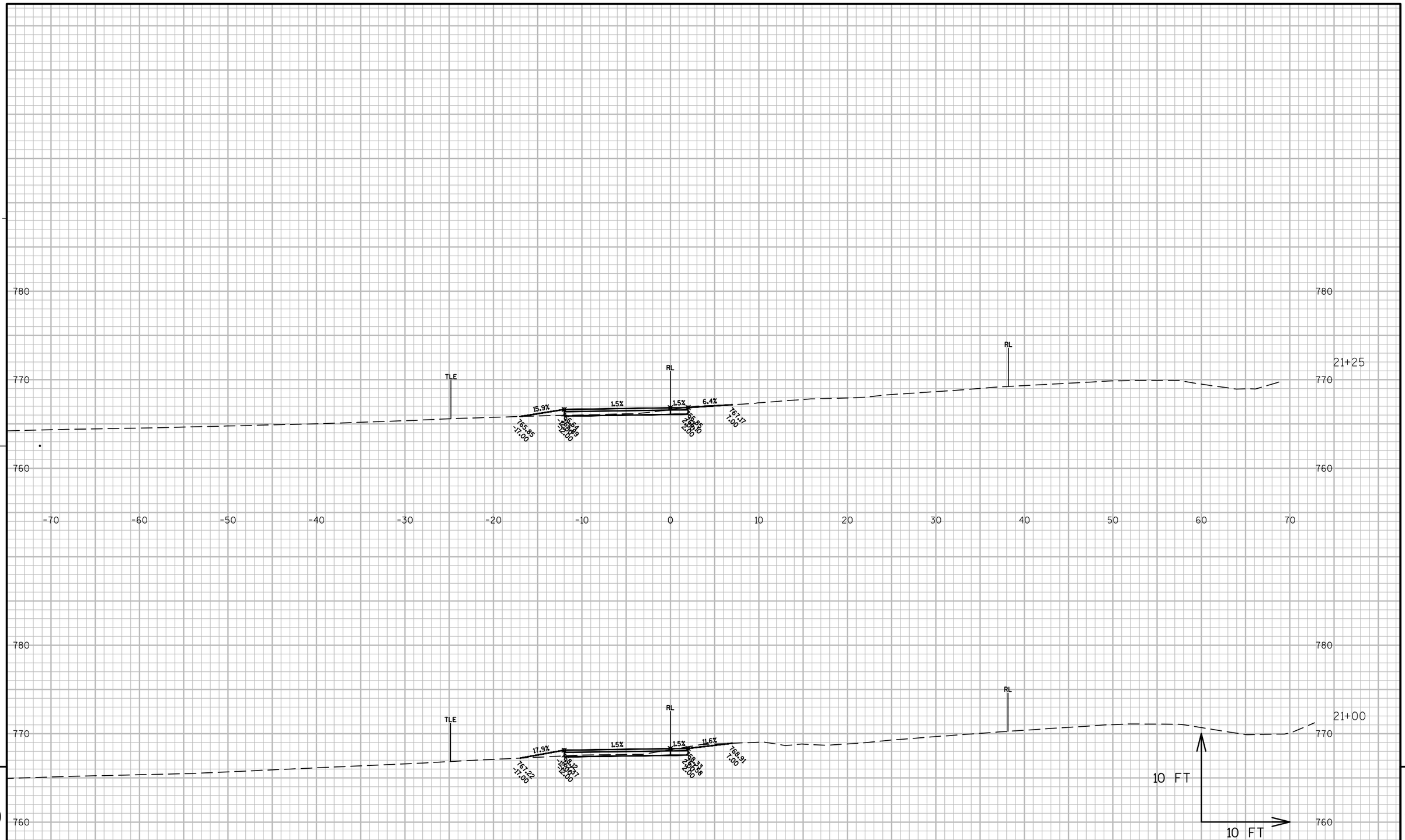


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 454	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (468)

PLOT DATE : 9/29/2016 2:10 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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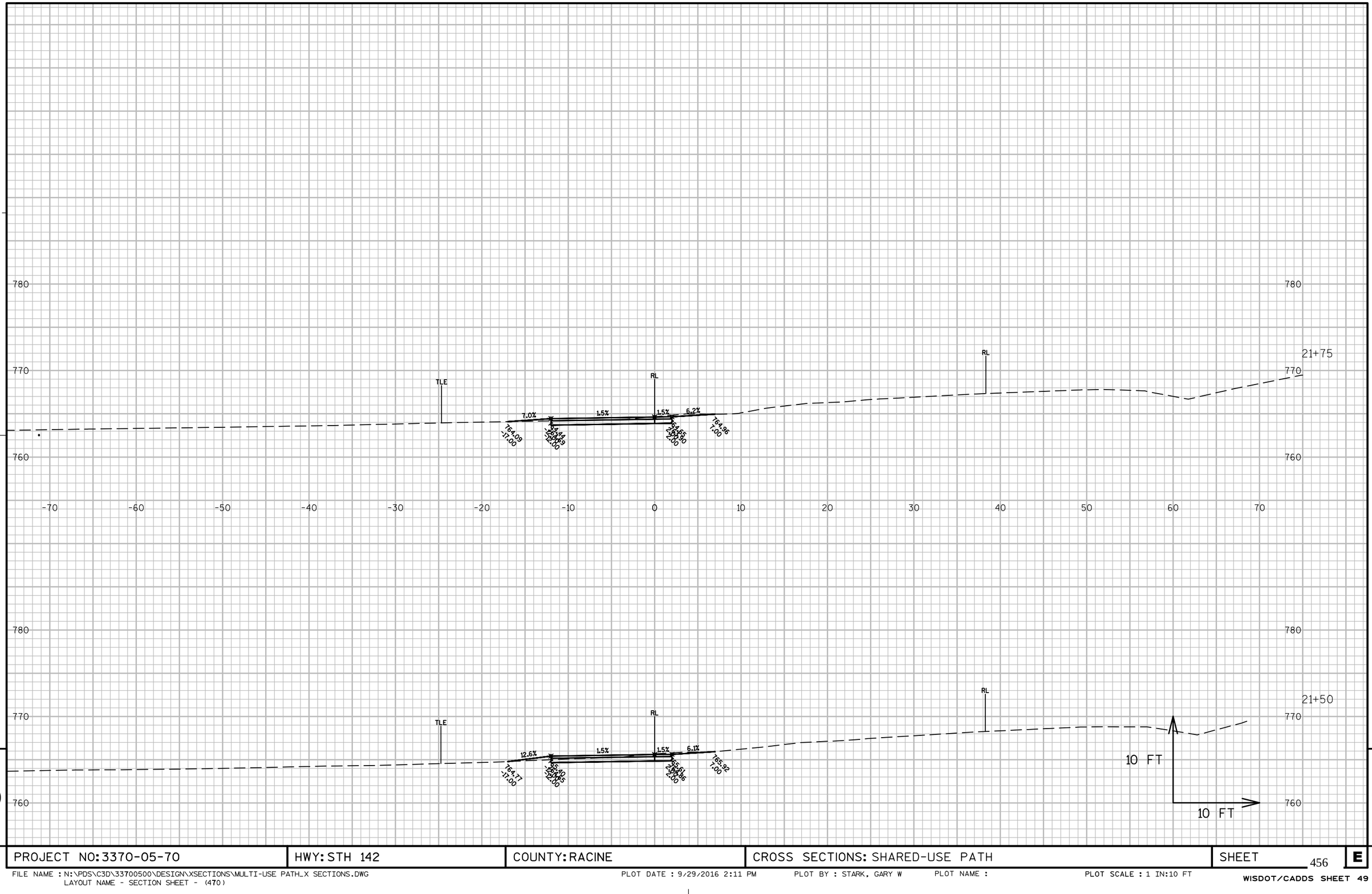
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 455	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (469)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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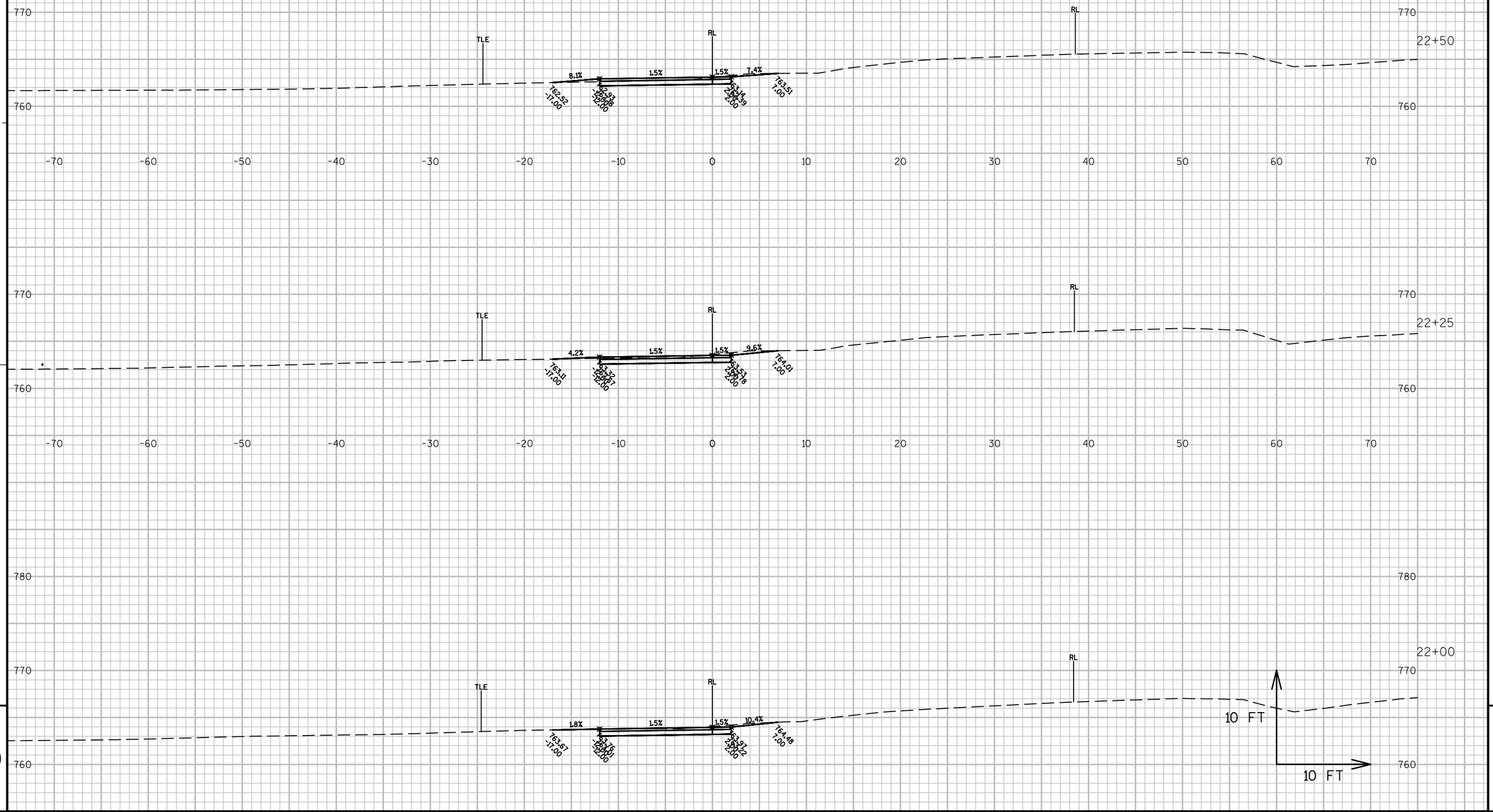
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 456	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (470)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

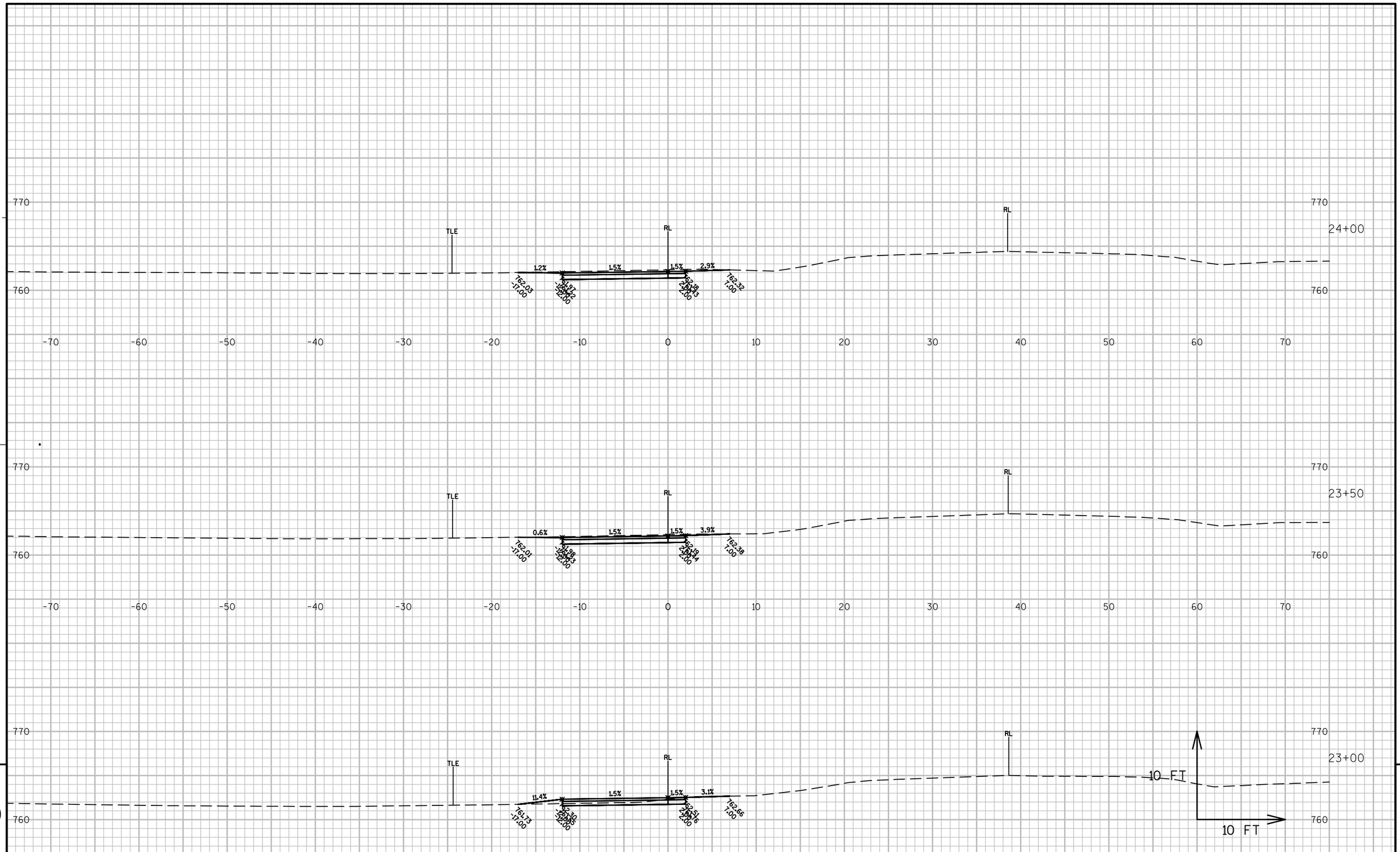


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 457	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (471)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

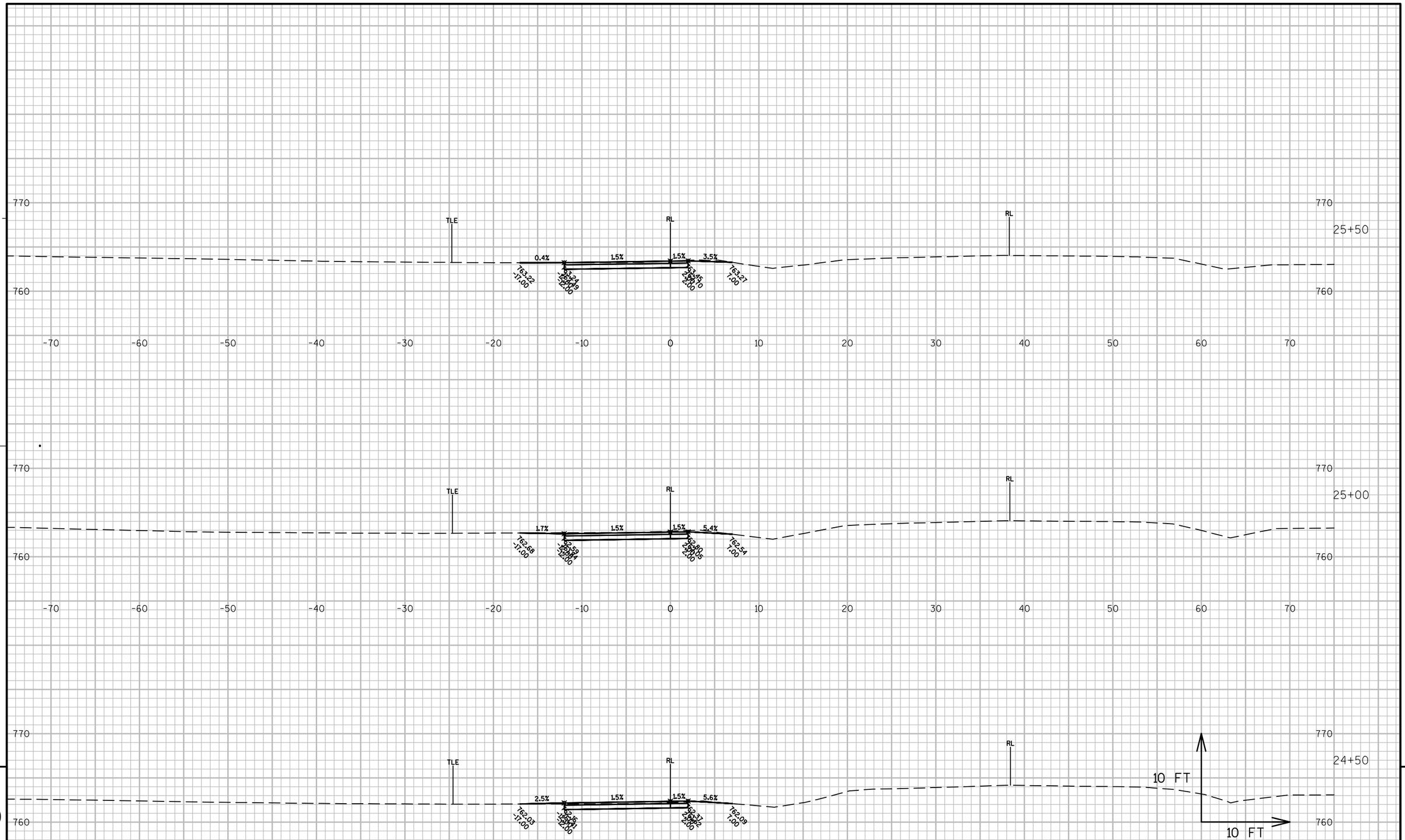


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 458	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (472)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

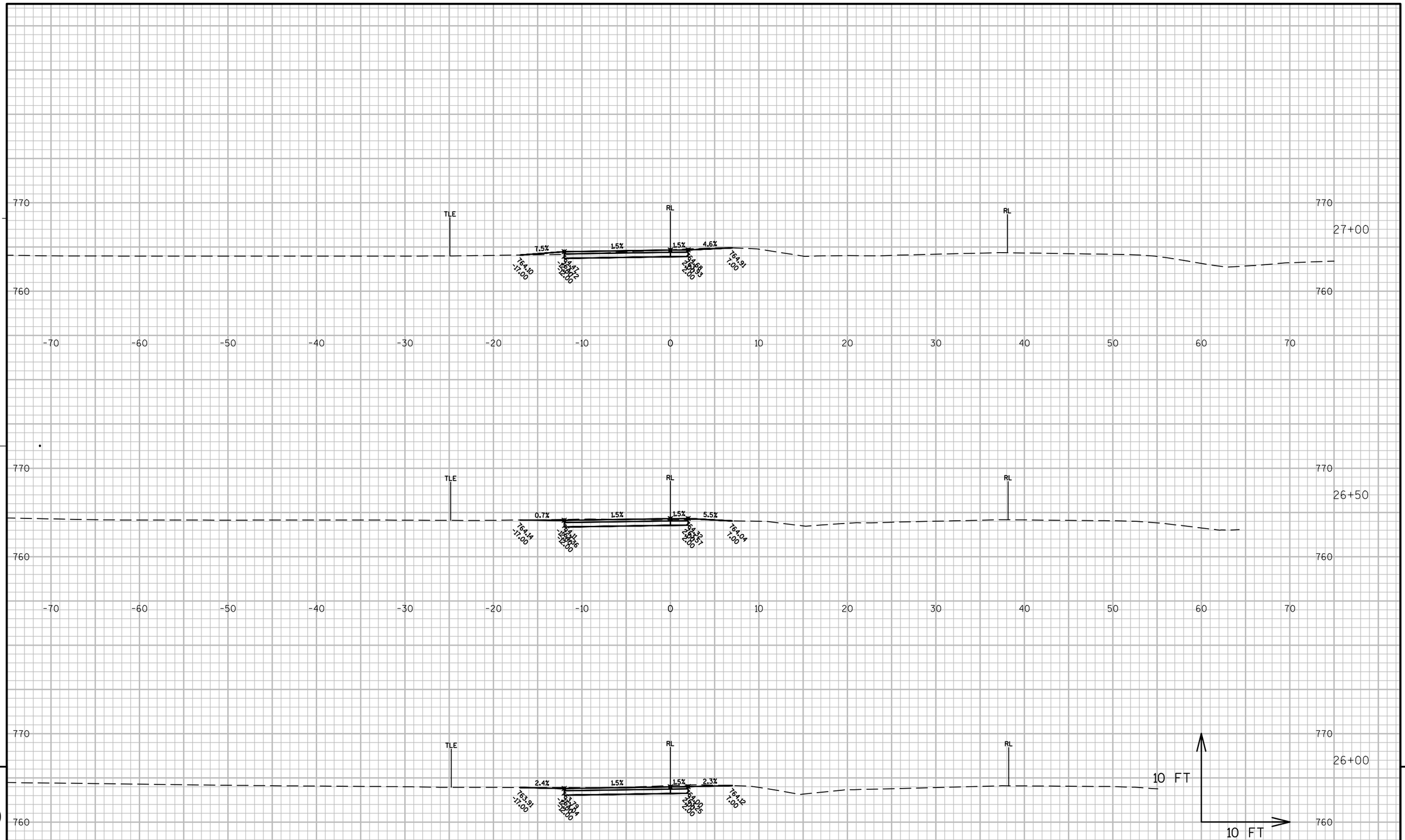


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 459	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (473)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 460	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (474)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

9

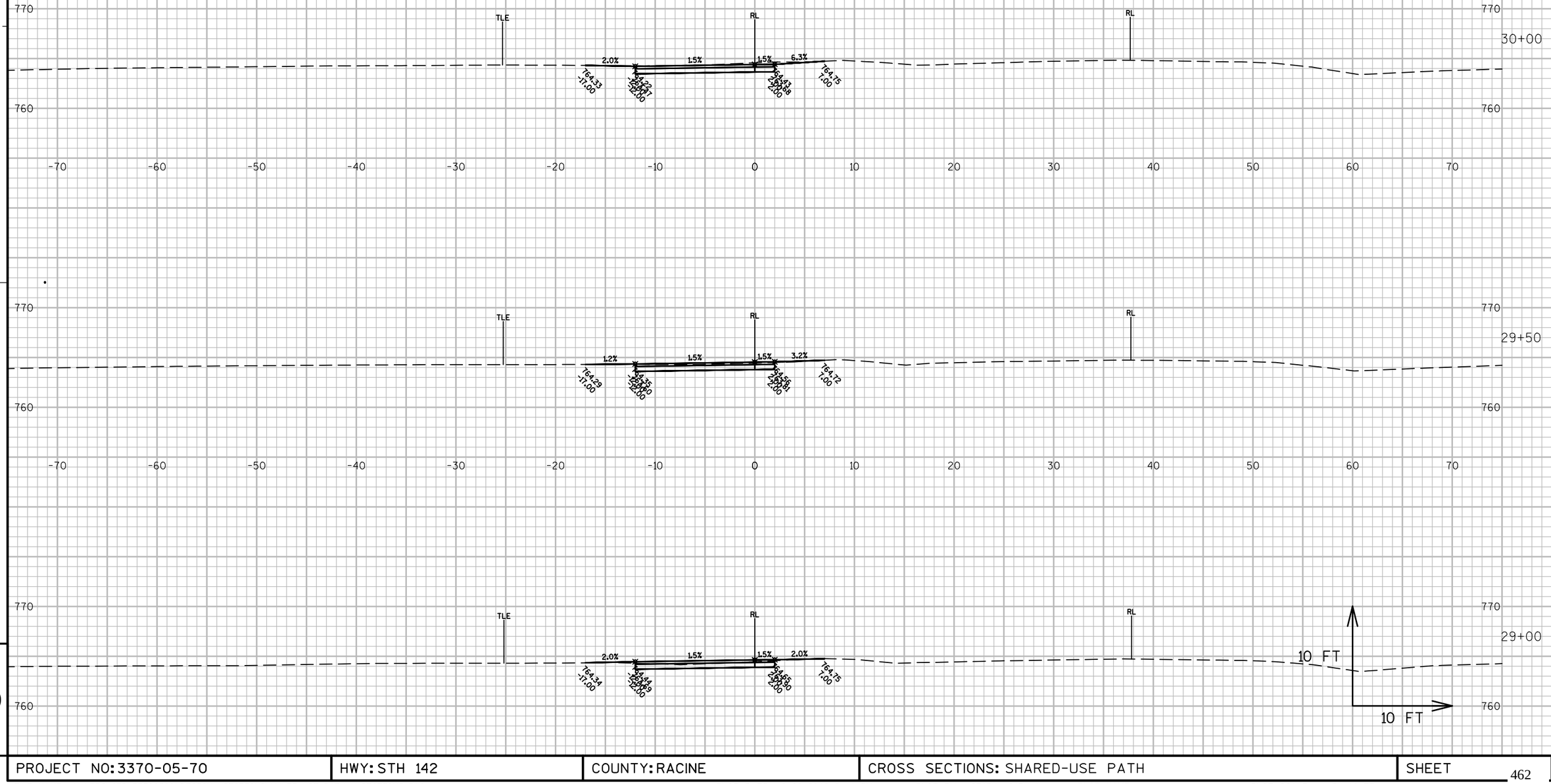
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 461	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (475)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

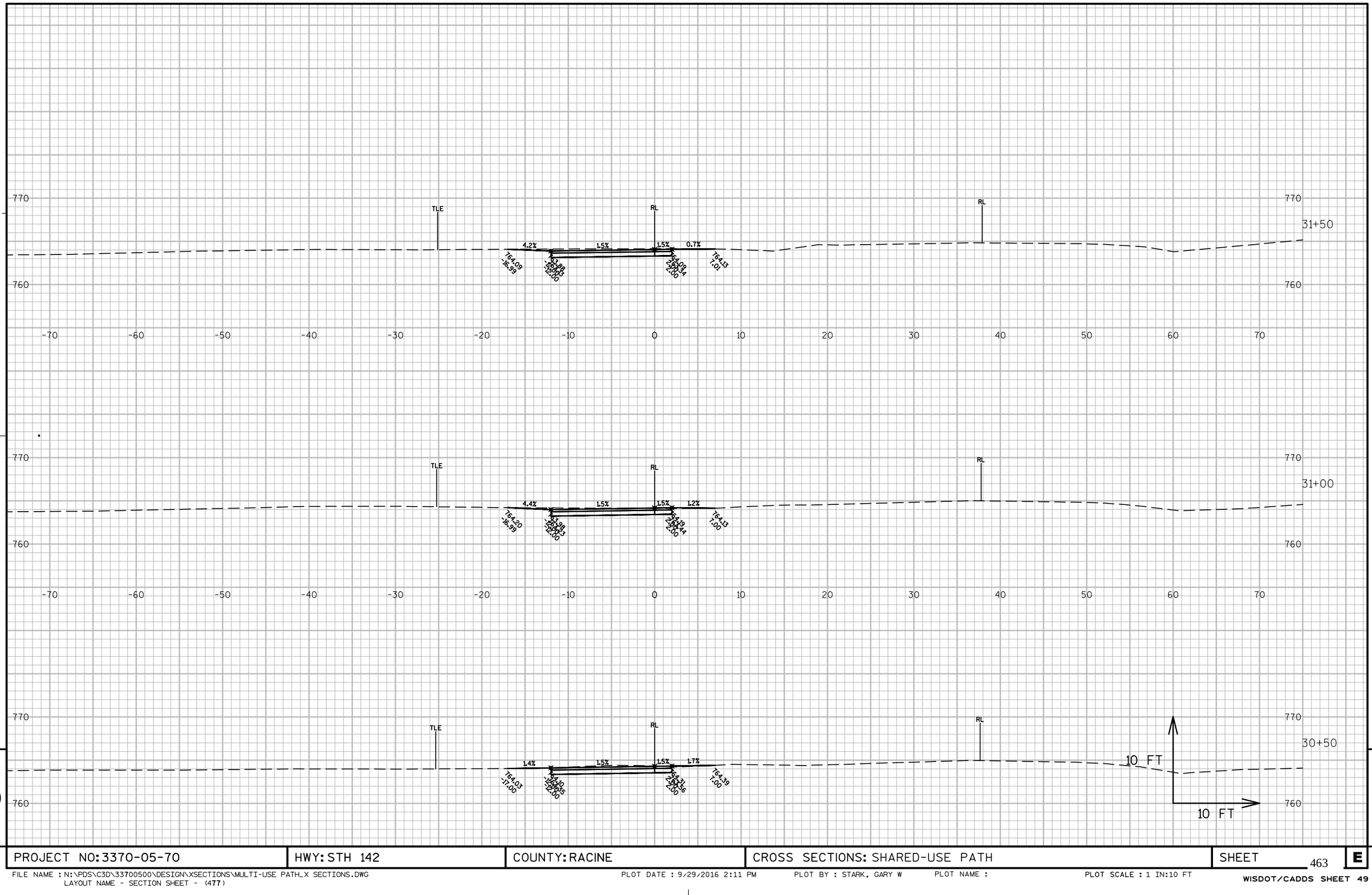
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 462	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (476)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

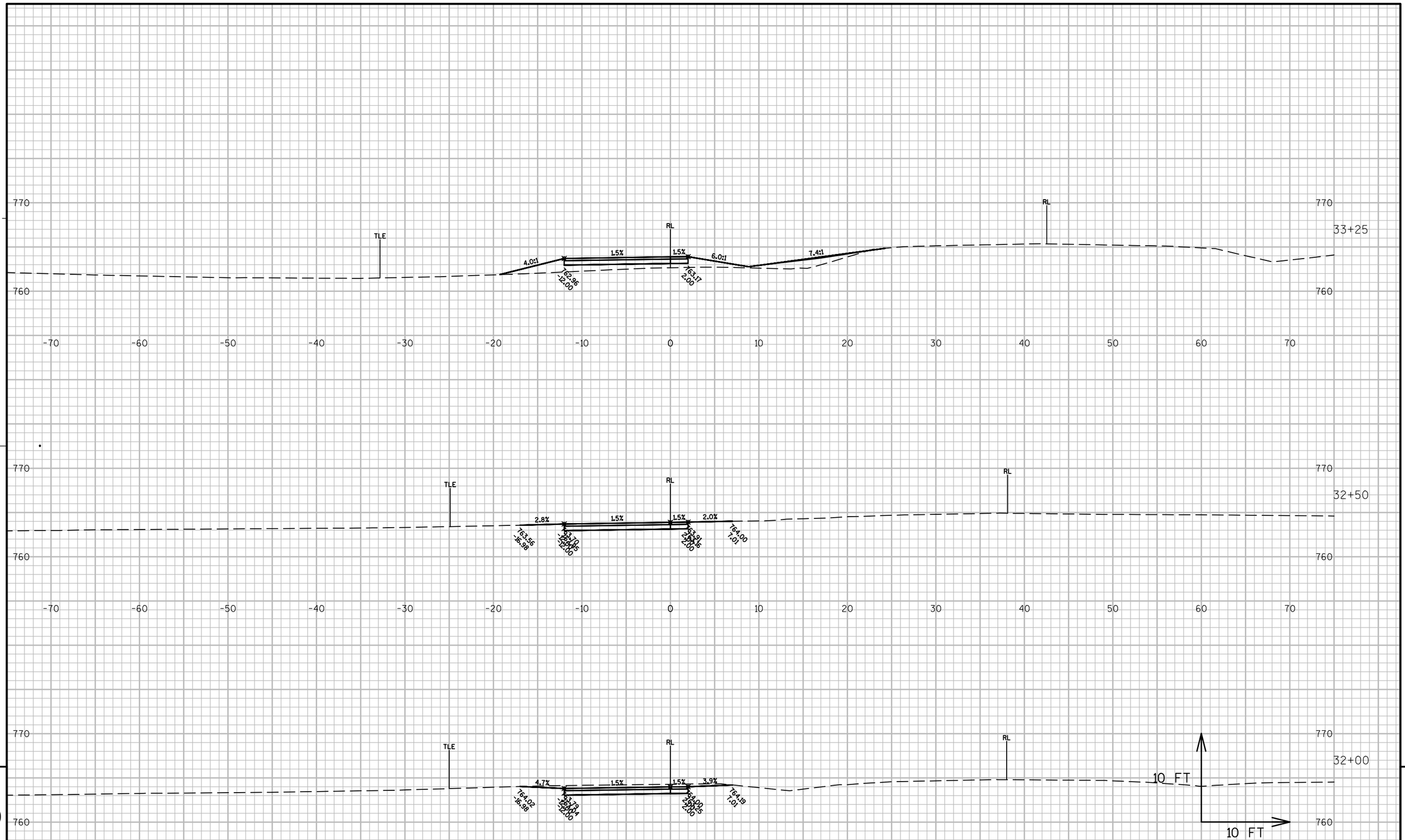


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 463	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (477)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

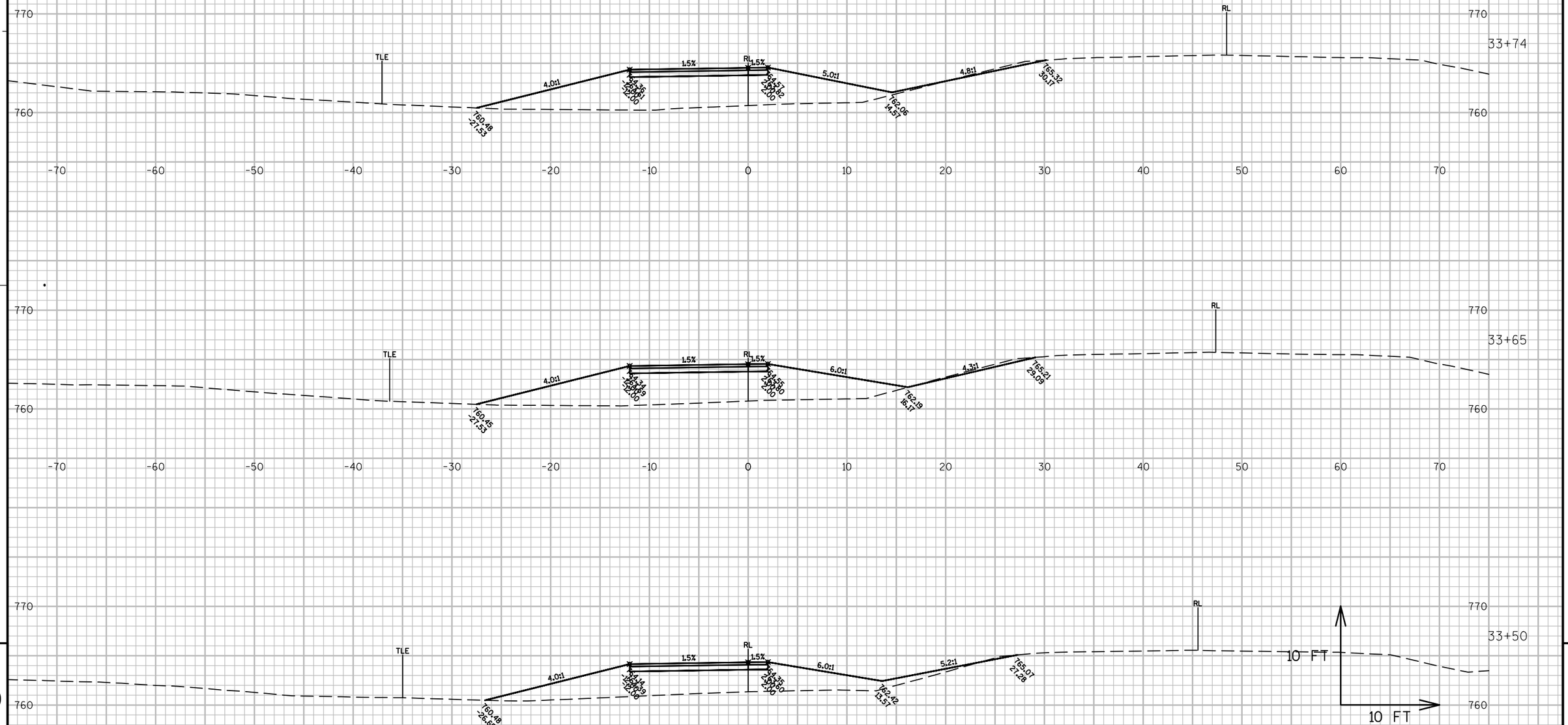
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 464	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (478)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



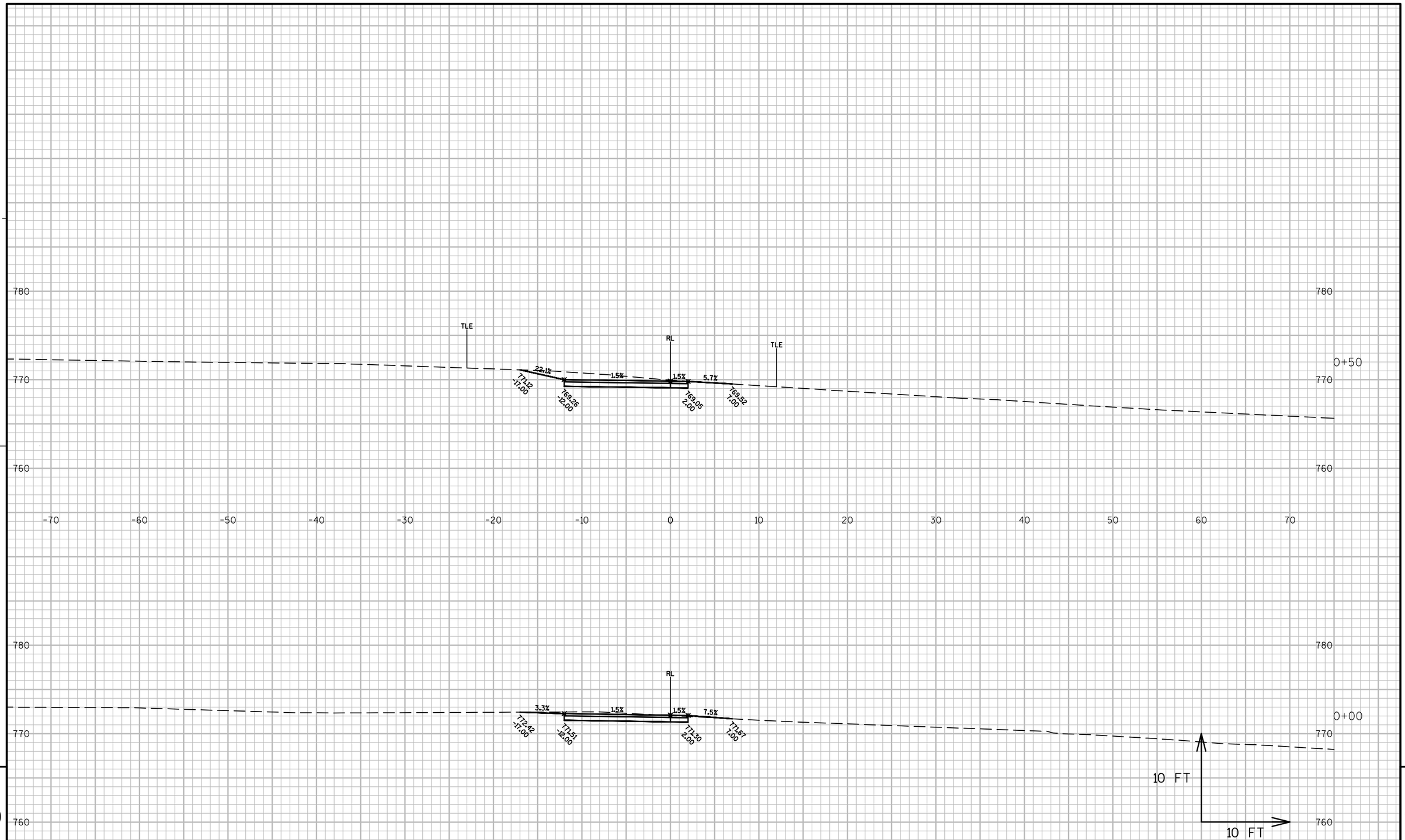
9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH	SHEET 465	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (479)

PLOT DATE : 9/29/2016 2:11 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



9

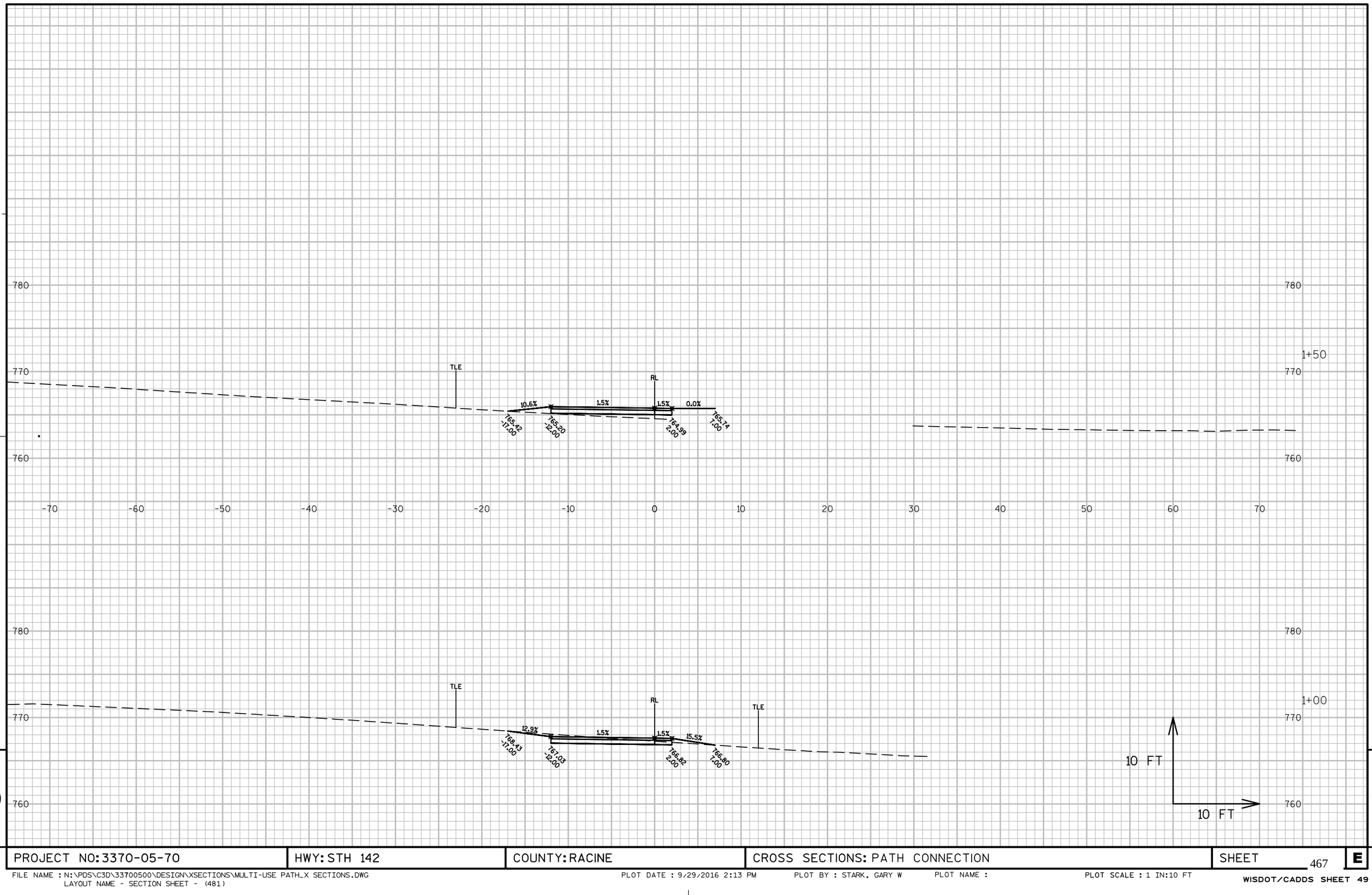
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: PATH CONNECTION	SHEET 466	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (480)

PLOT DATE : 9/29/2016 2:13 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

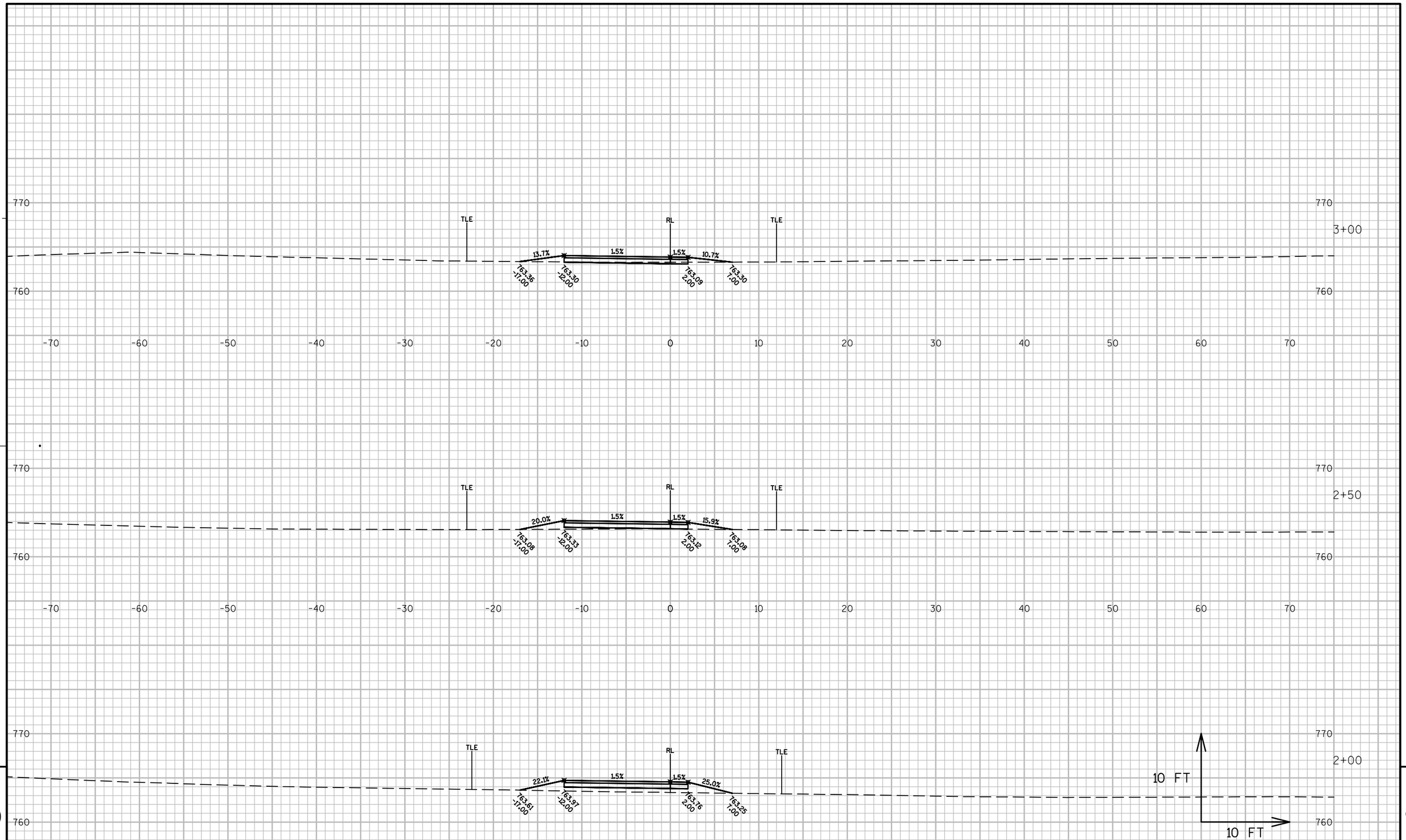


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: PATH CONNECTION	SHEET 467	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (481)

PLOT DATE : 9/29/2016 2:13 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

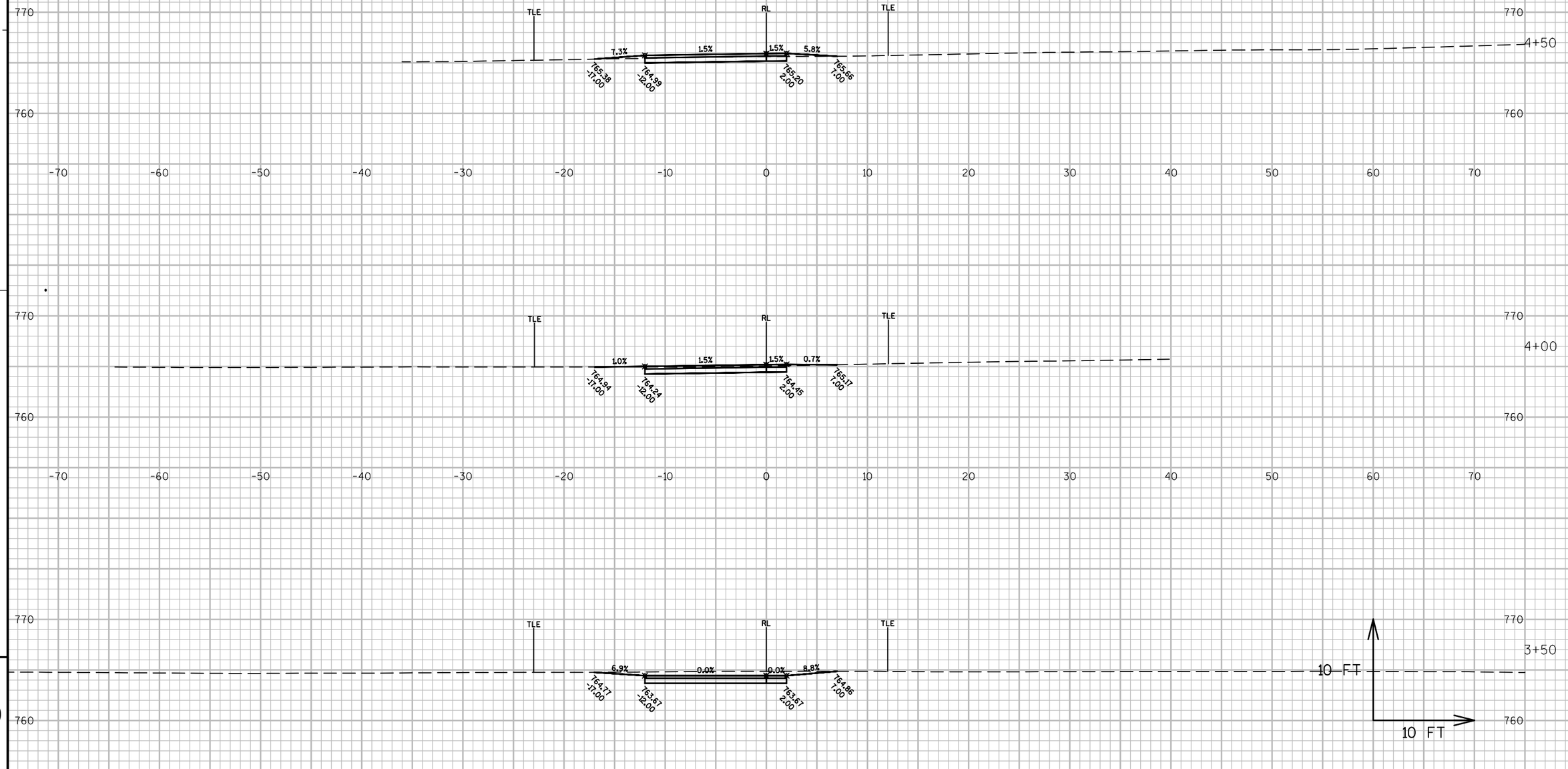
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: PATH CONNECTION	SHEET 468	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (482)

PLOT DATE : 9/29/2016 2:13 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



9

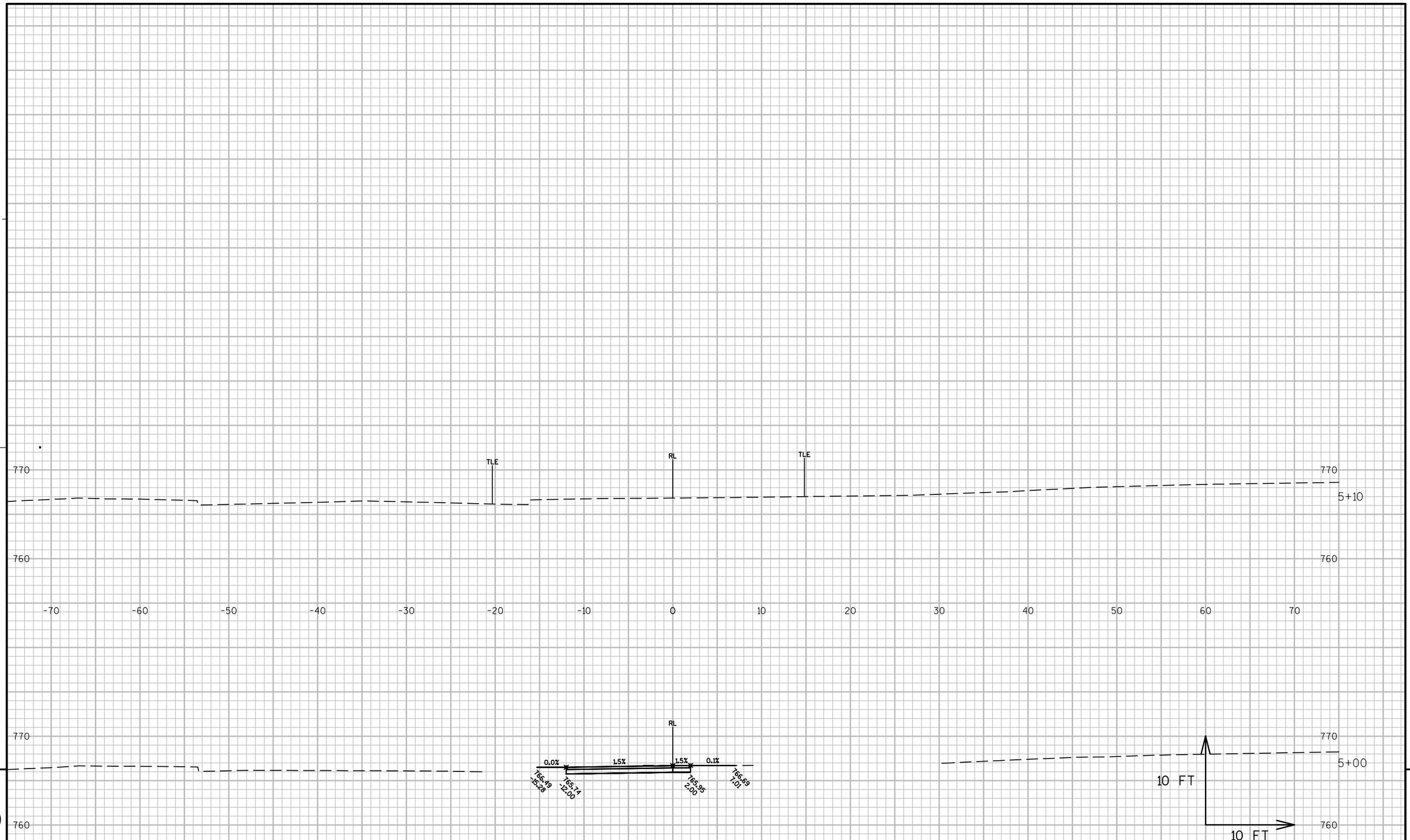
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: PATH CONNECTION	SHEET 469	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (483)

PLOT DATE : 9/29/2016 2:13 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



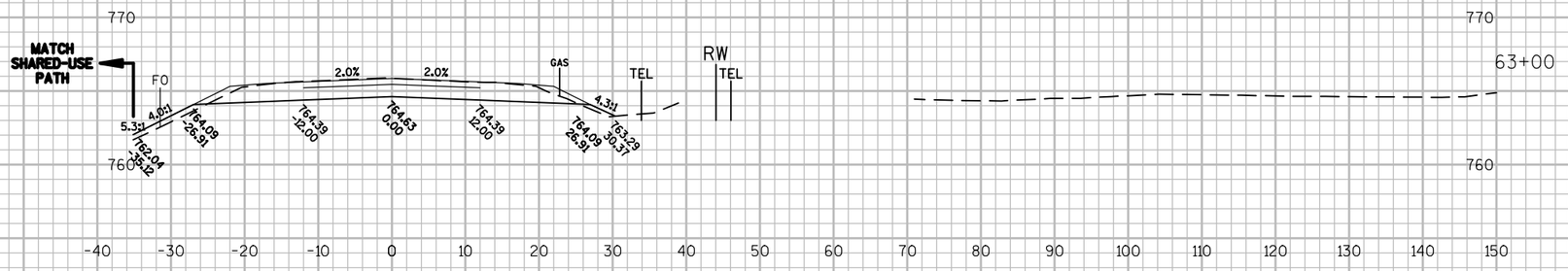
9

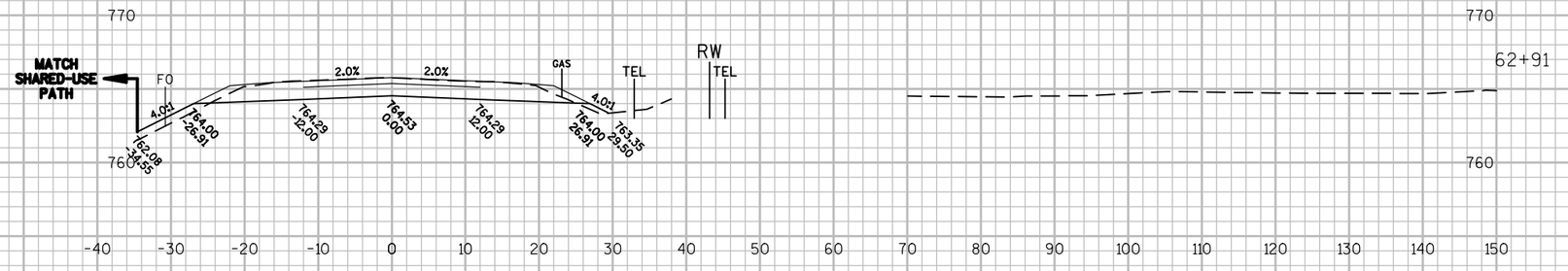
9

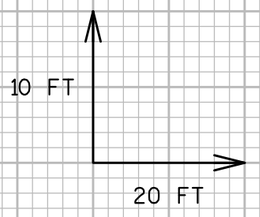
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: PATH CONNECTION	SHEET 470	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\MULTI-USE PATH_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (484)

PLOT DATE : 9/29/2016 2:13 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

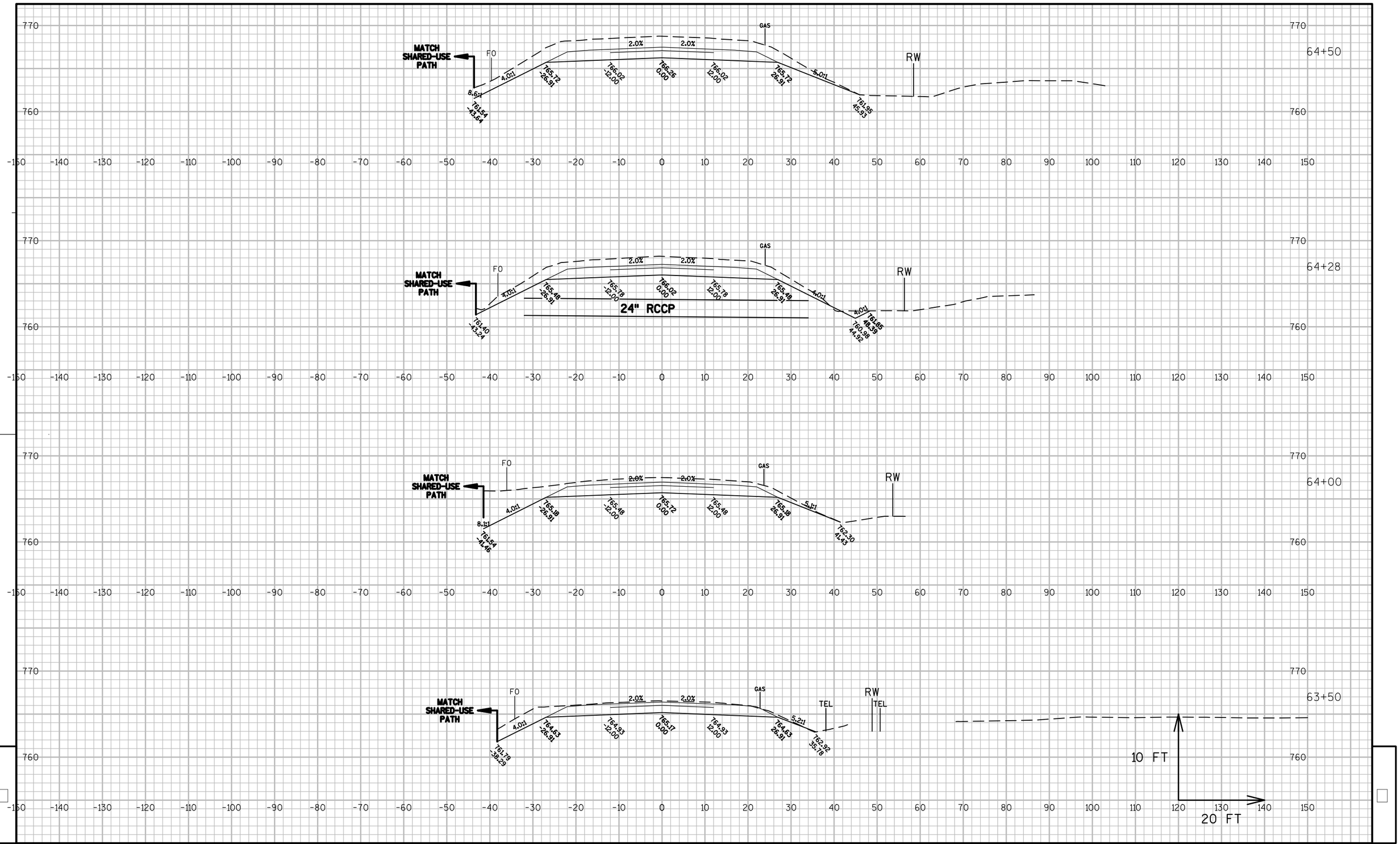






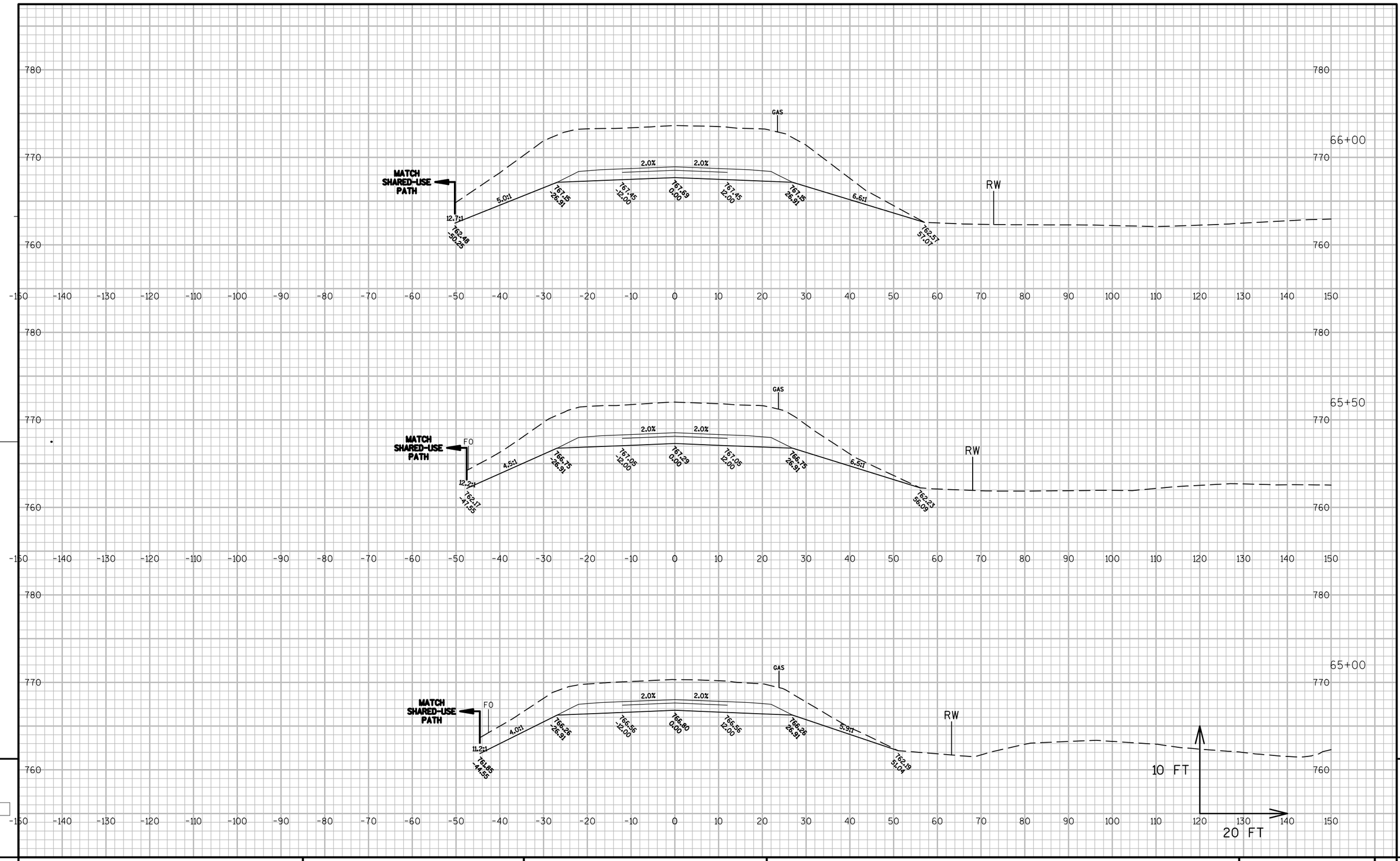
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 471	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:05 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********
WISDOT/CADDS SHEET 49

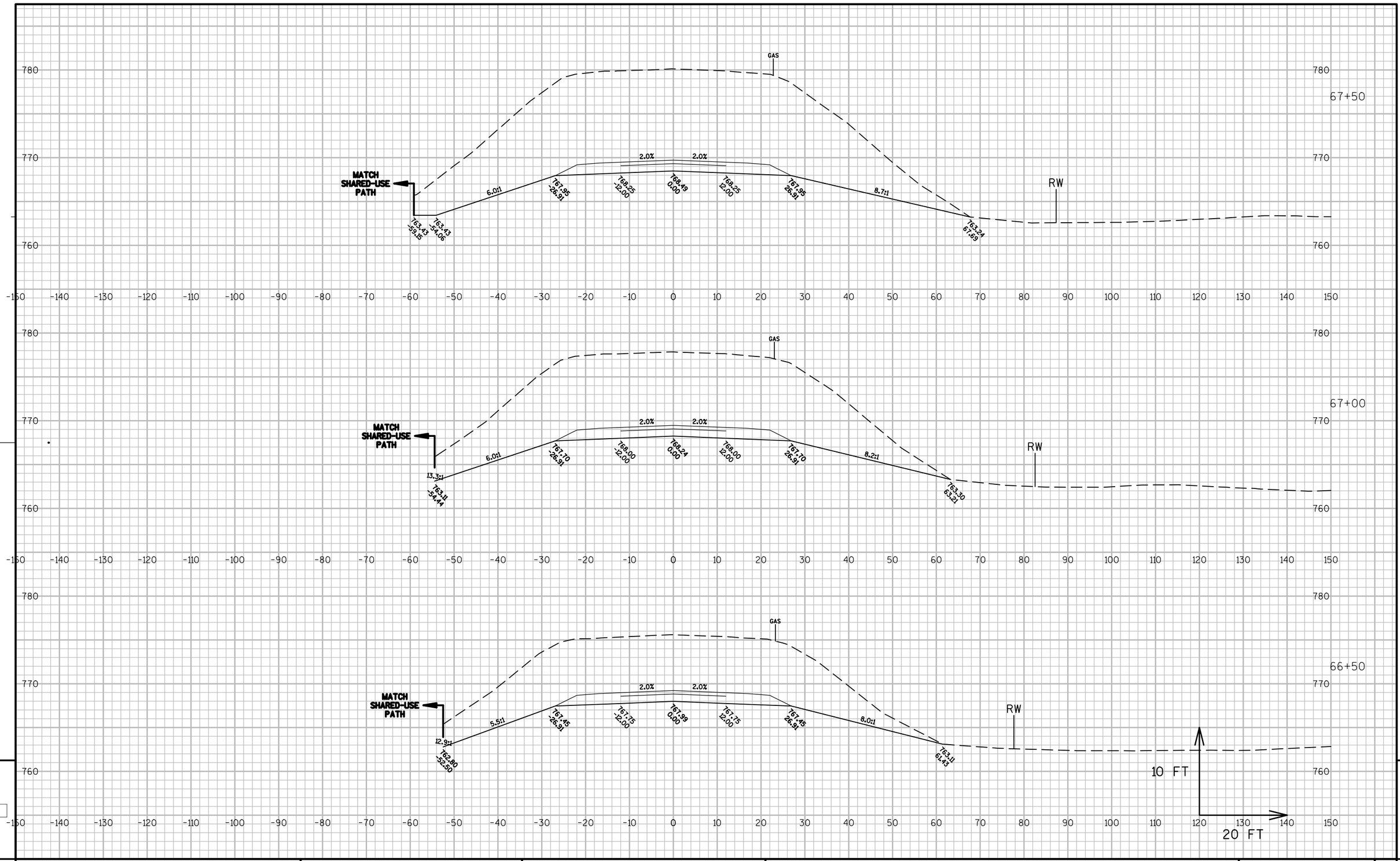


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 472	E

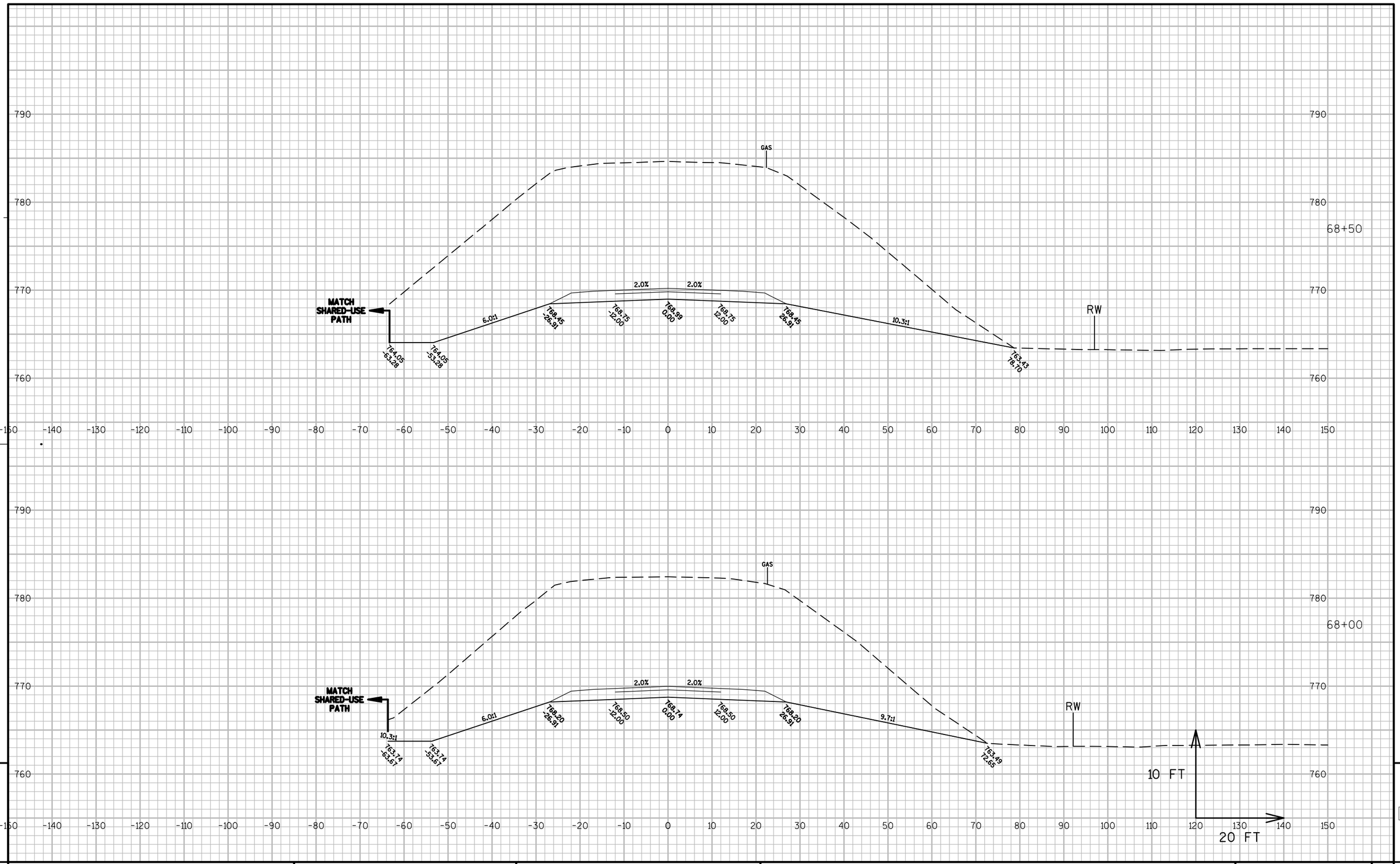
FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 473	E

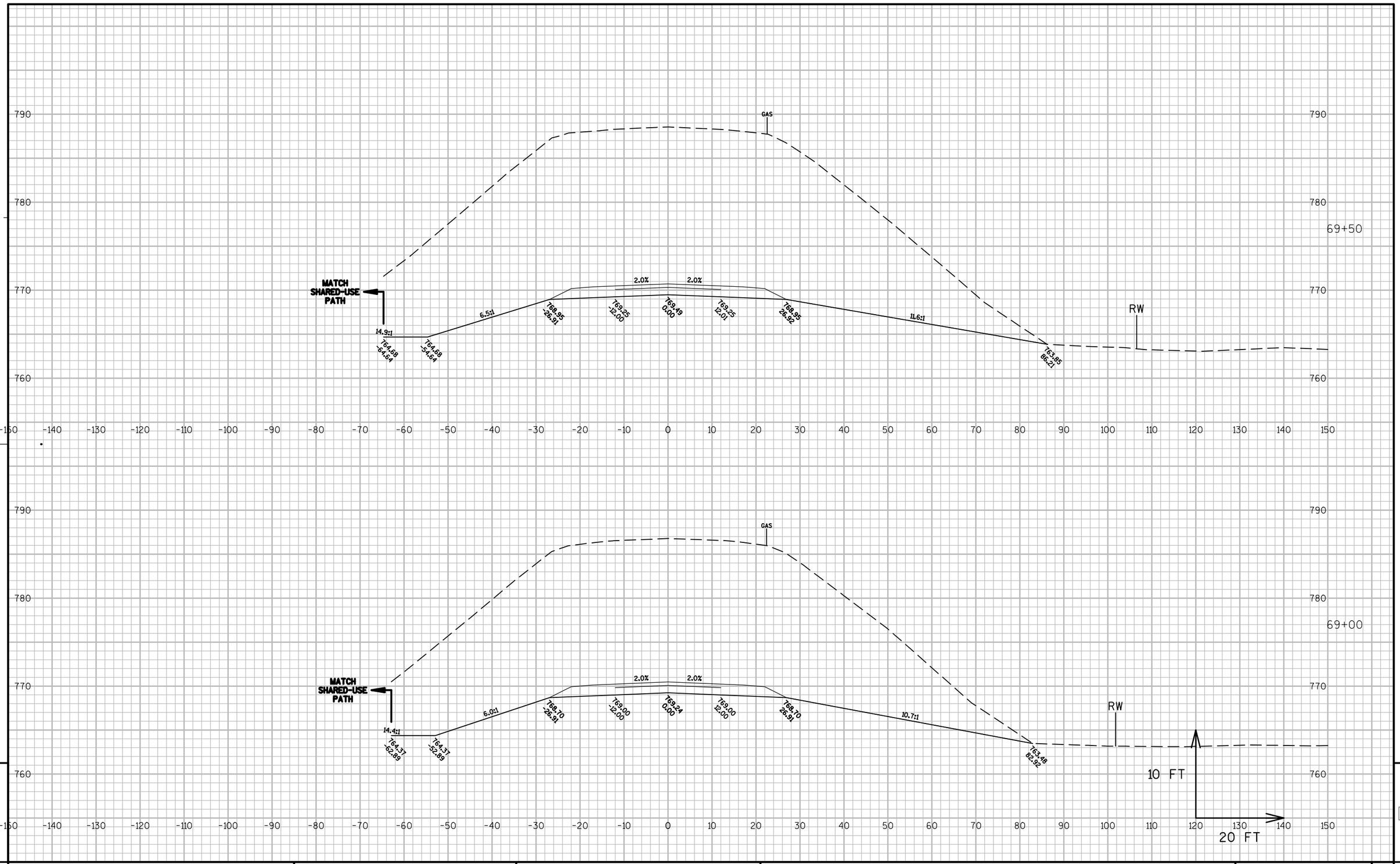


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 474	E

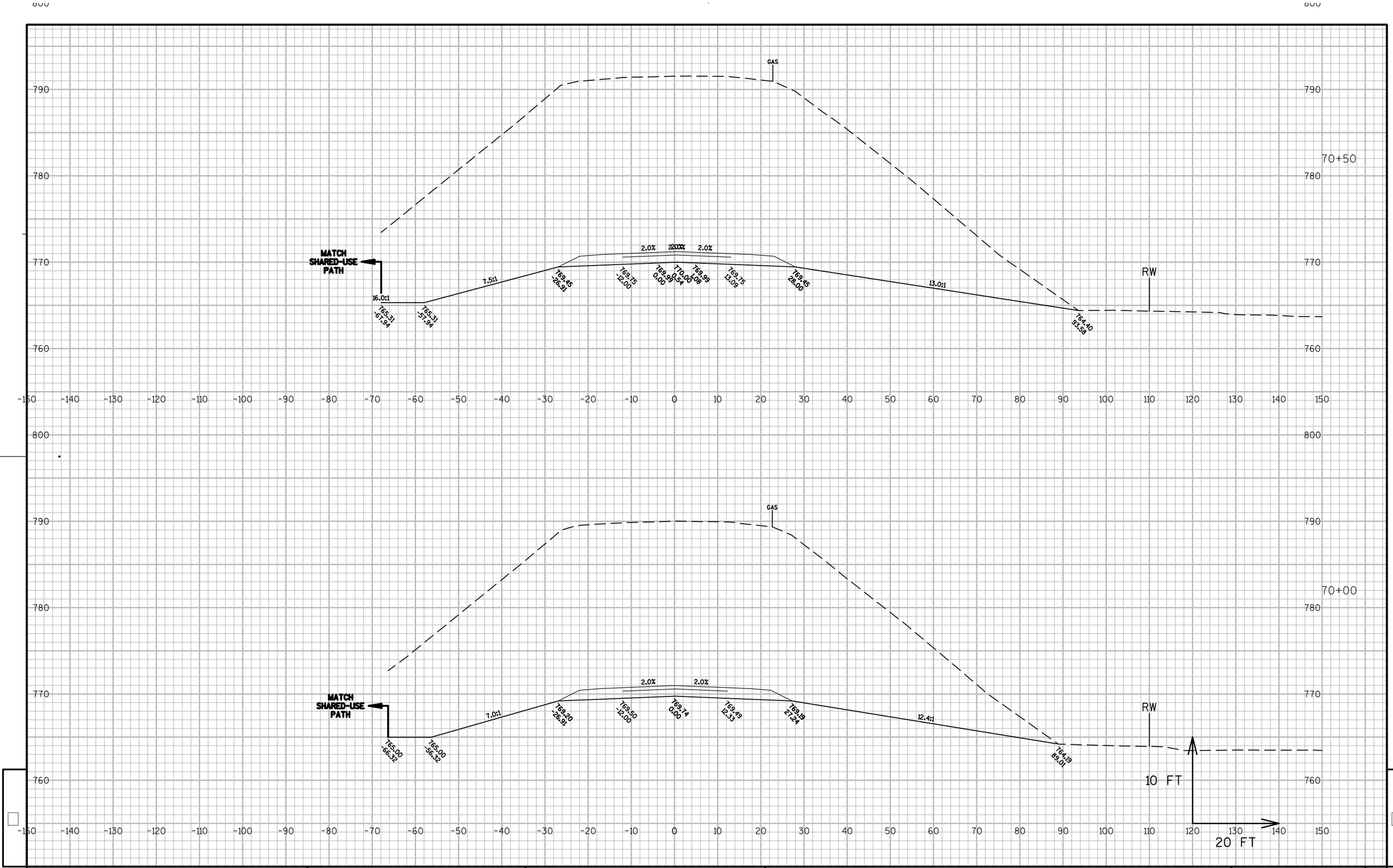


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 475	E

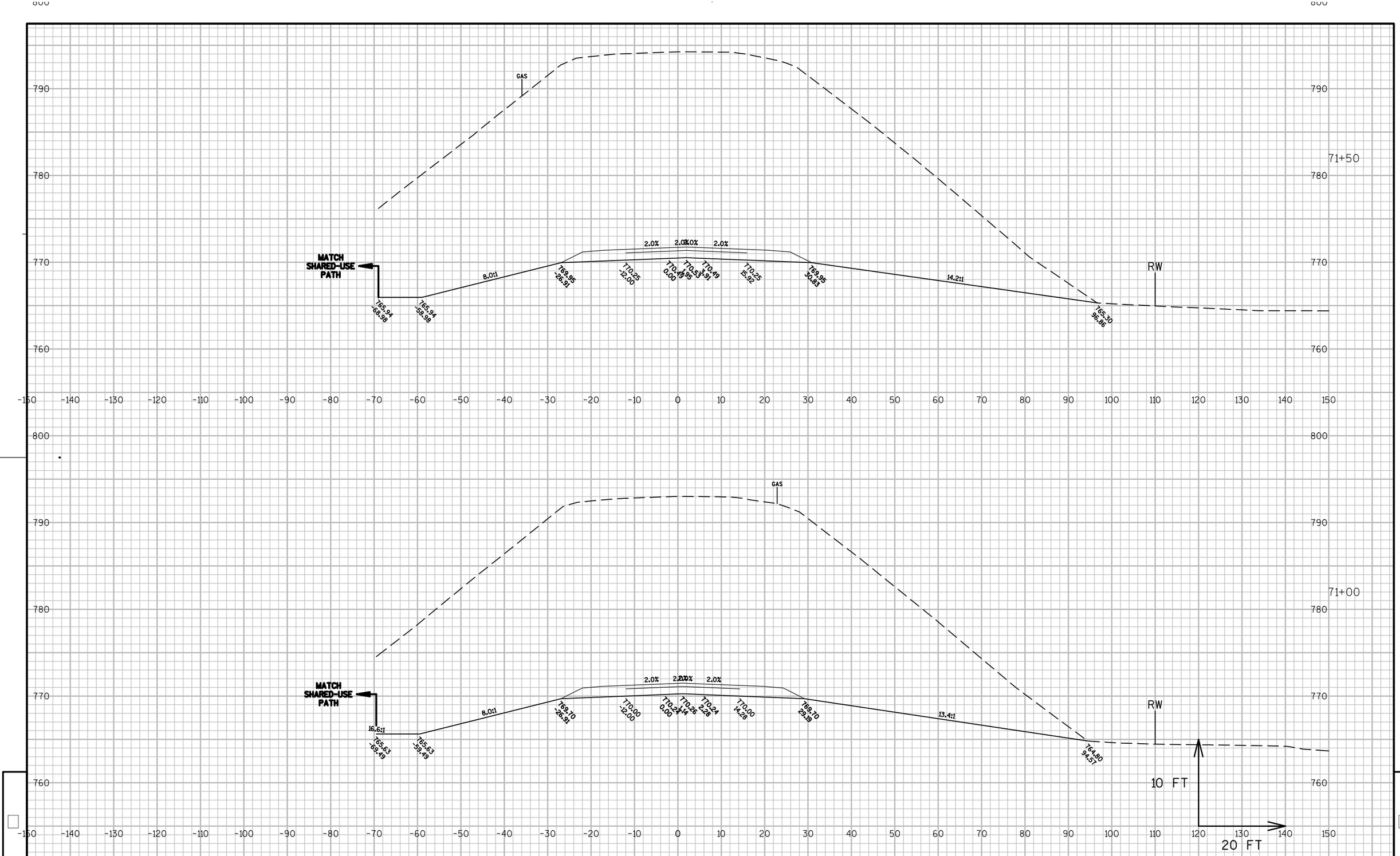
FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********



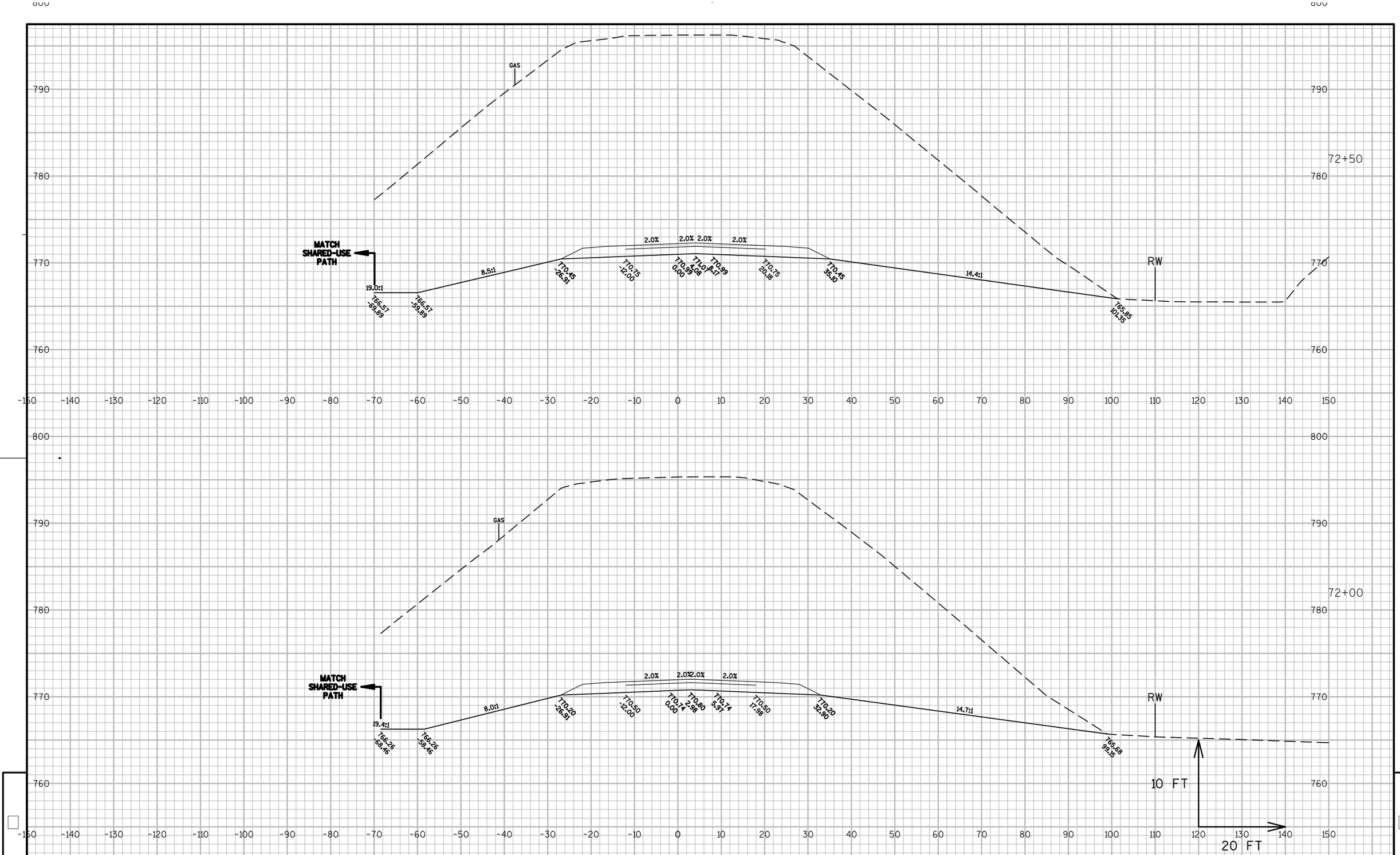
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 476	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 477	E

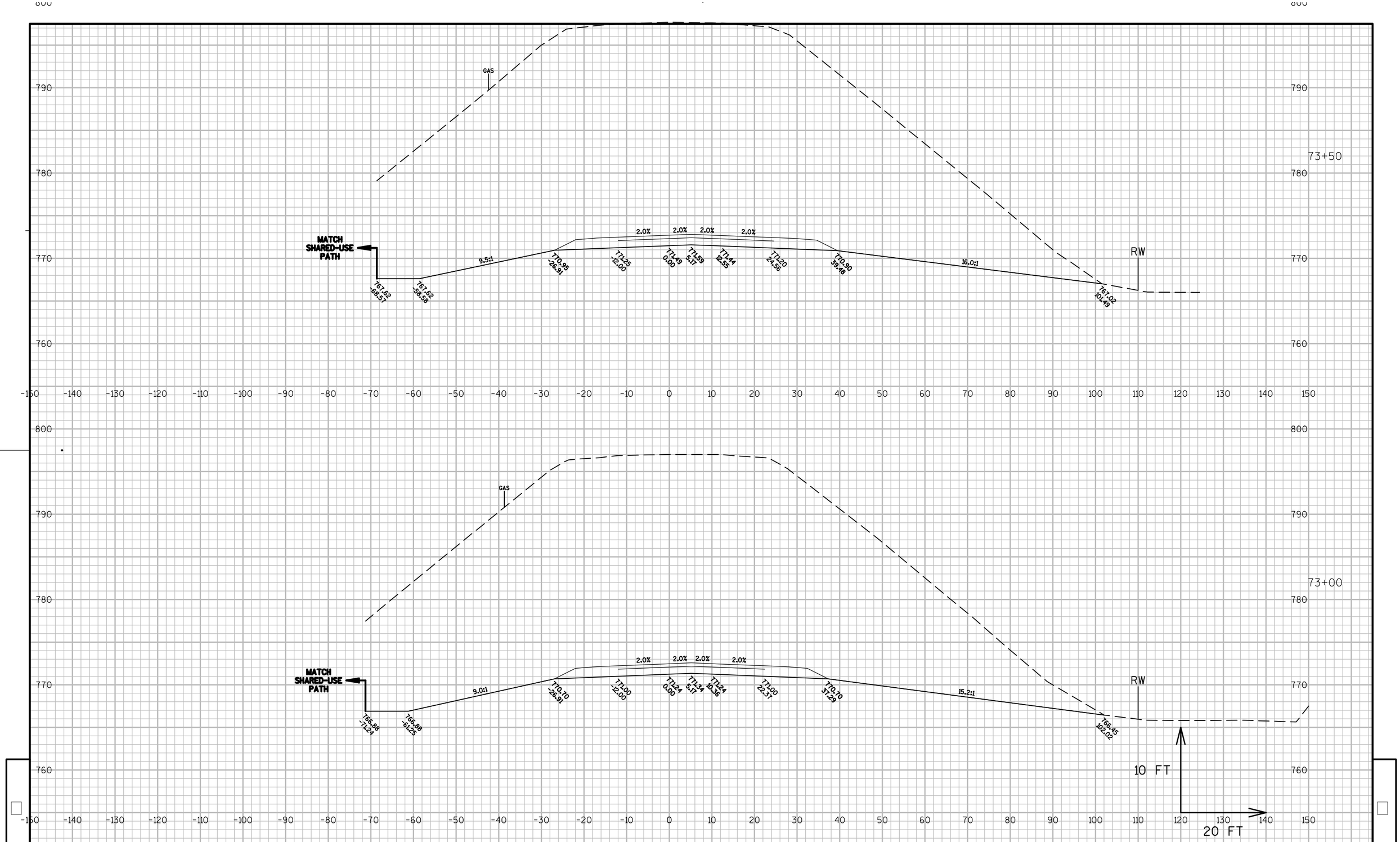


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 478	E



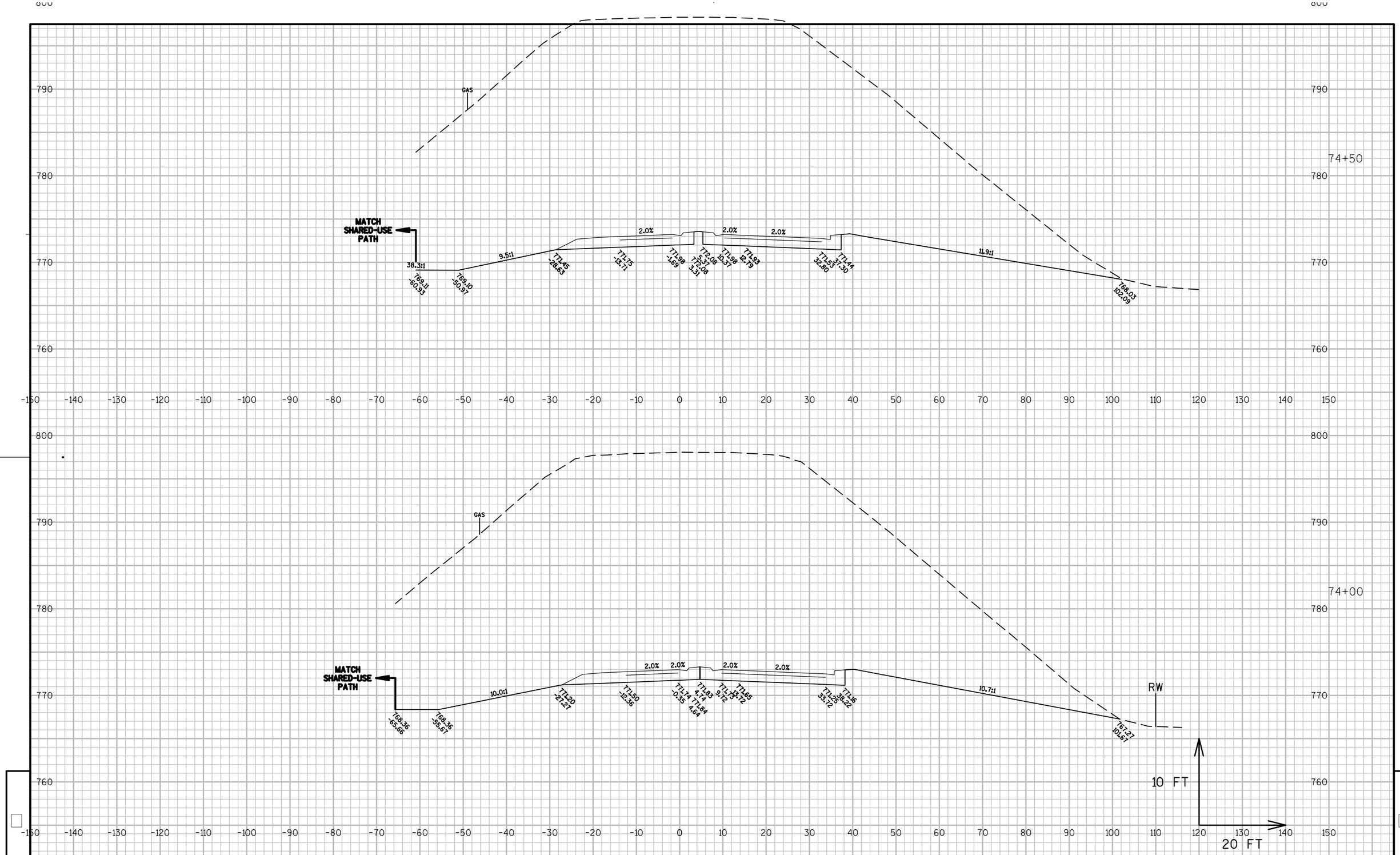
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 479	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

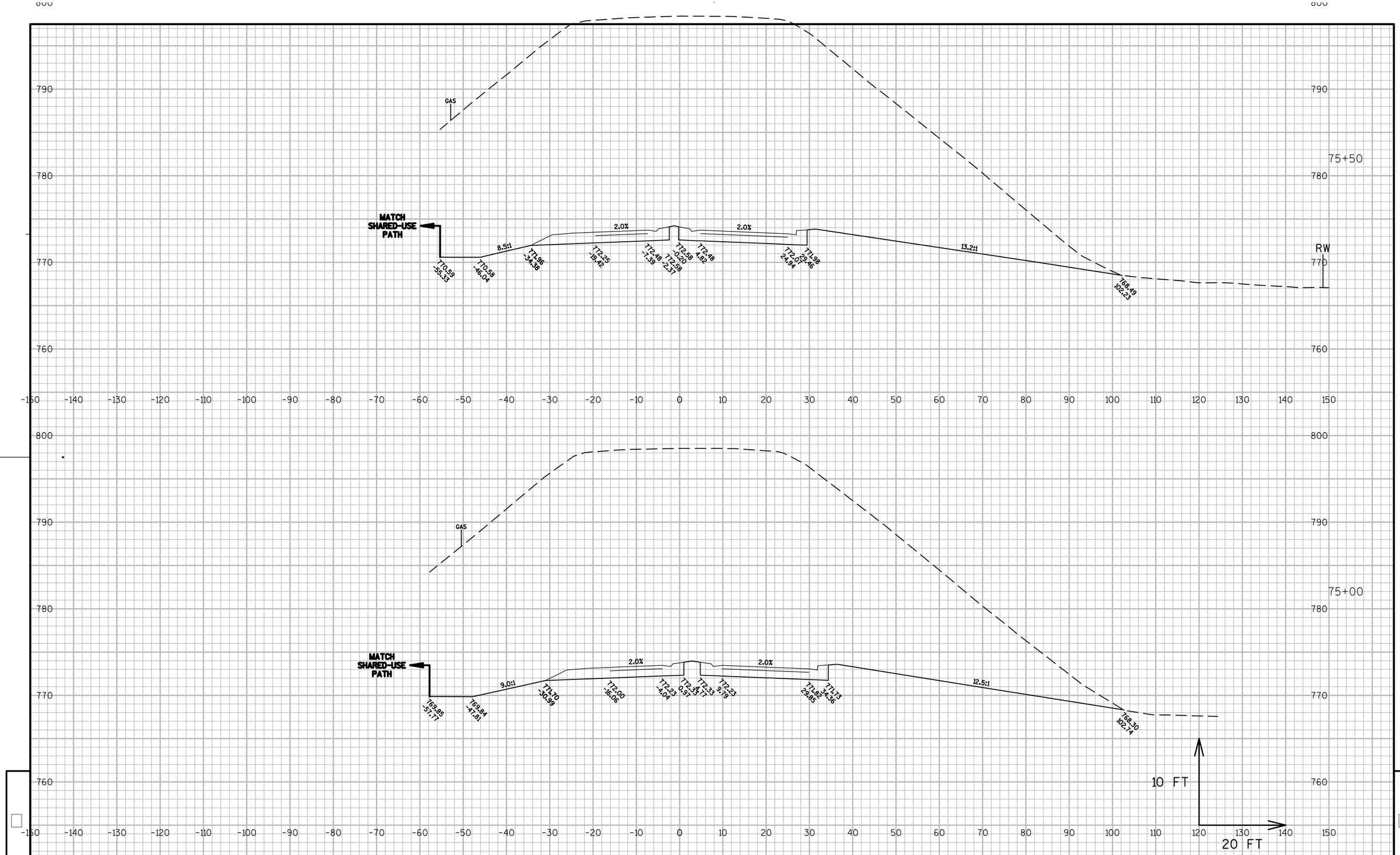


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 480	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

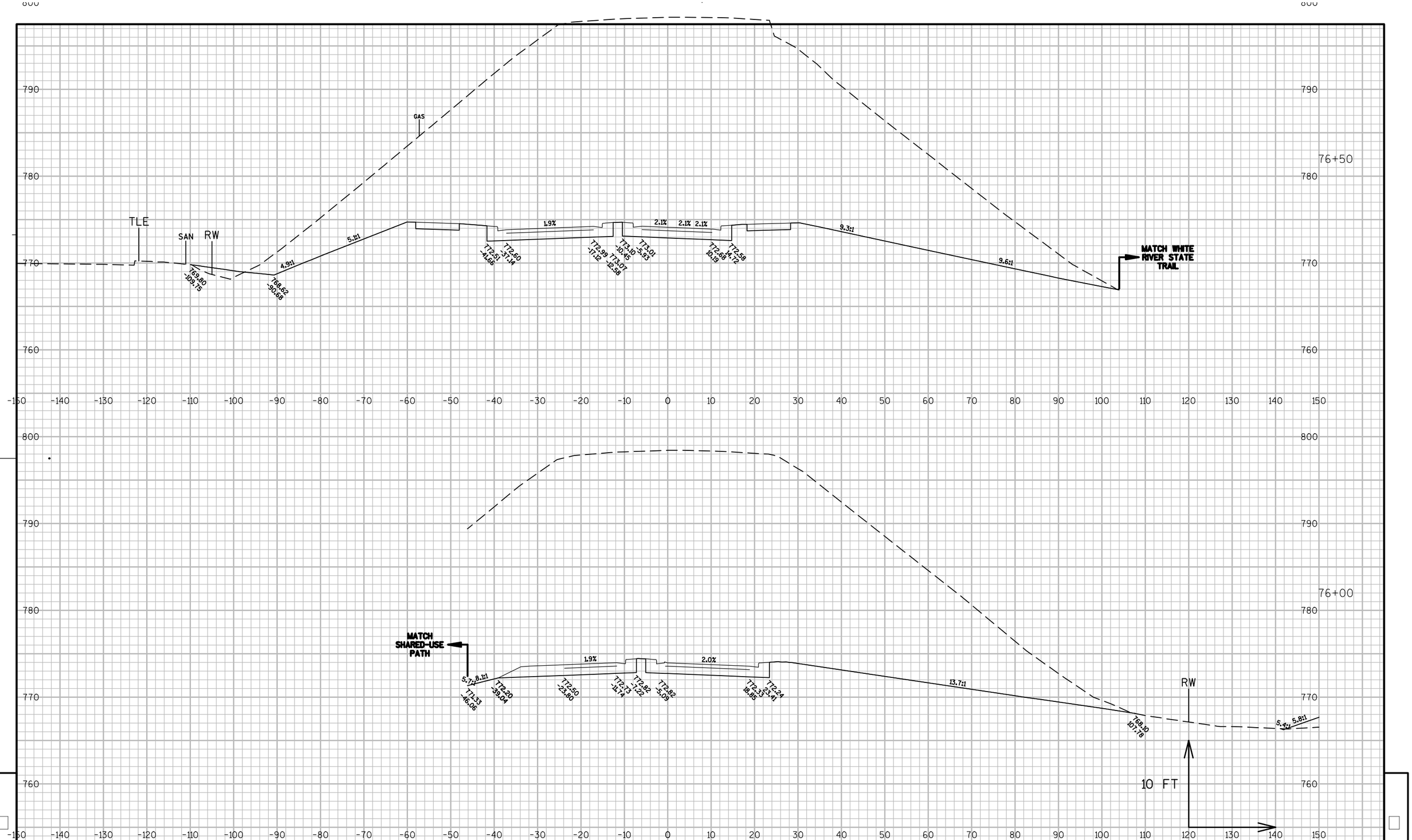


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 481	E



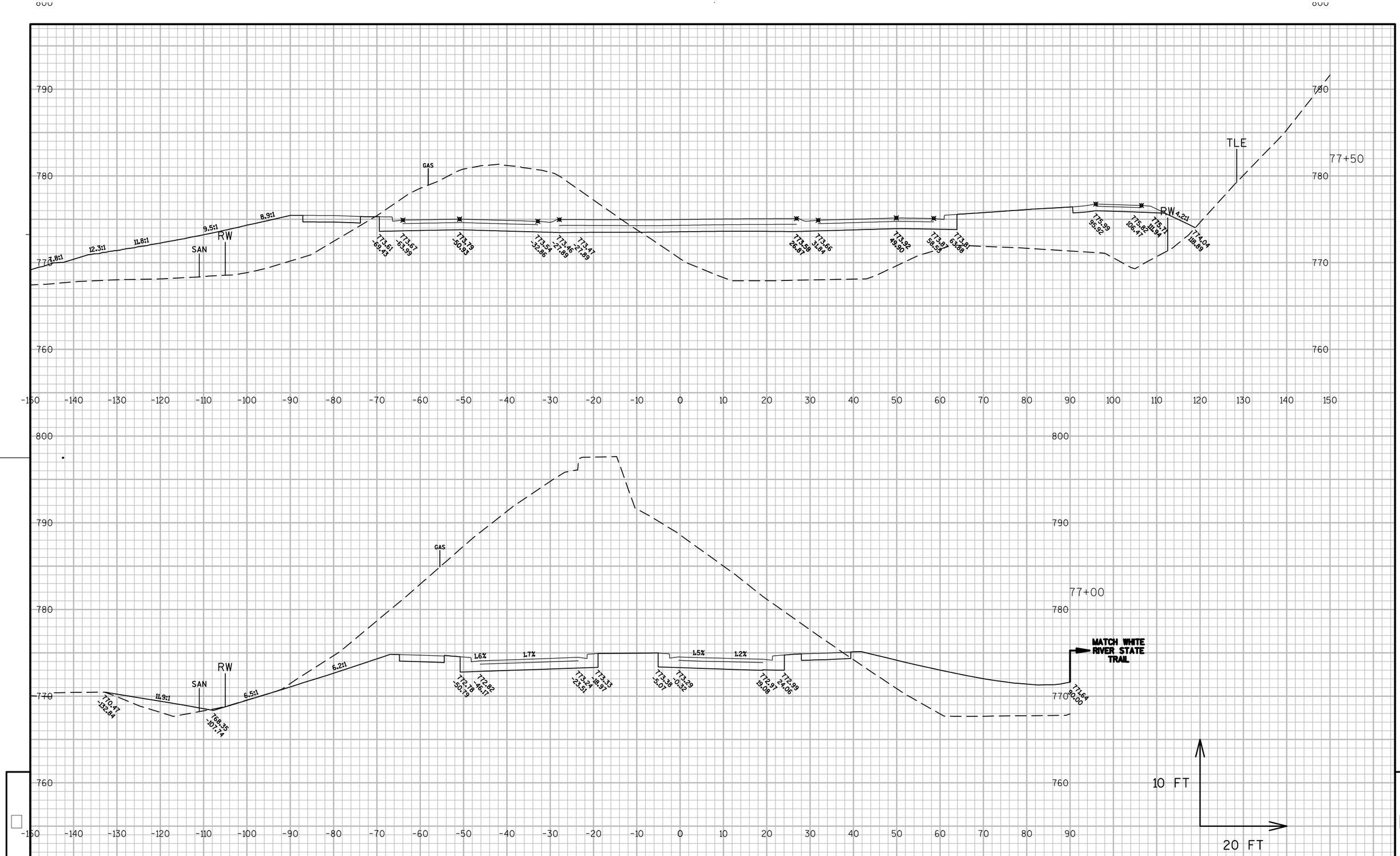
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 482	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

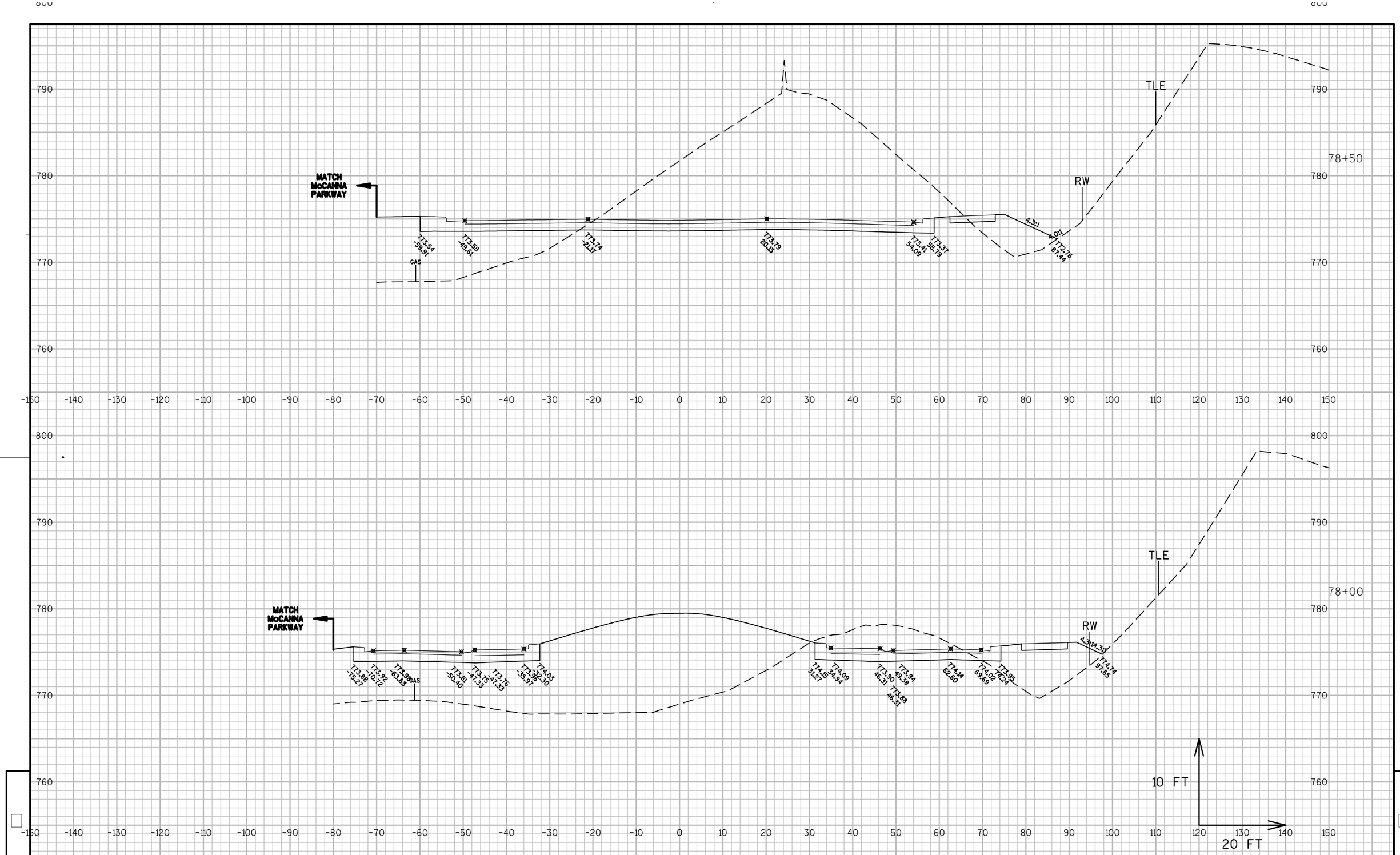


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 483	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 484	E



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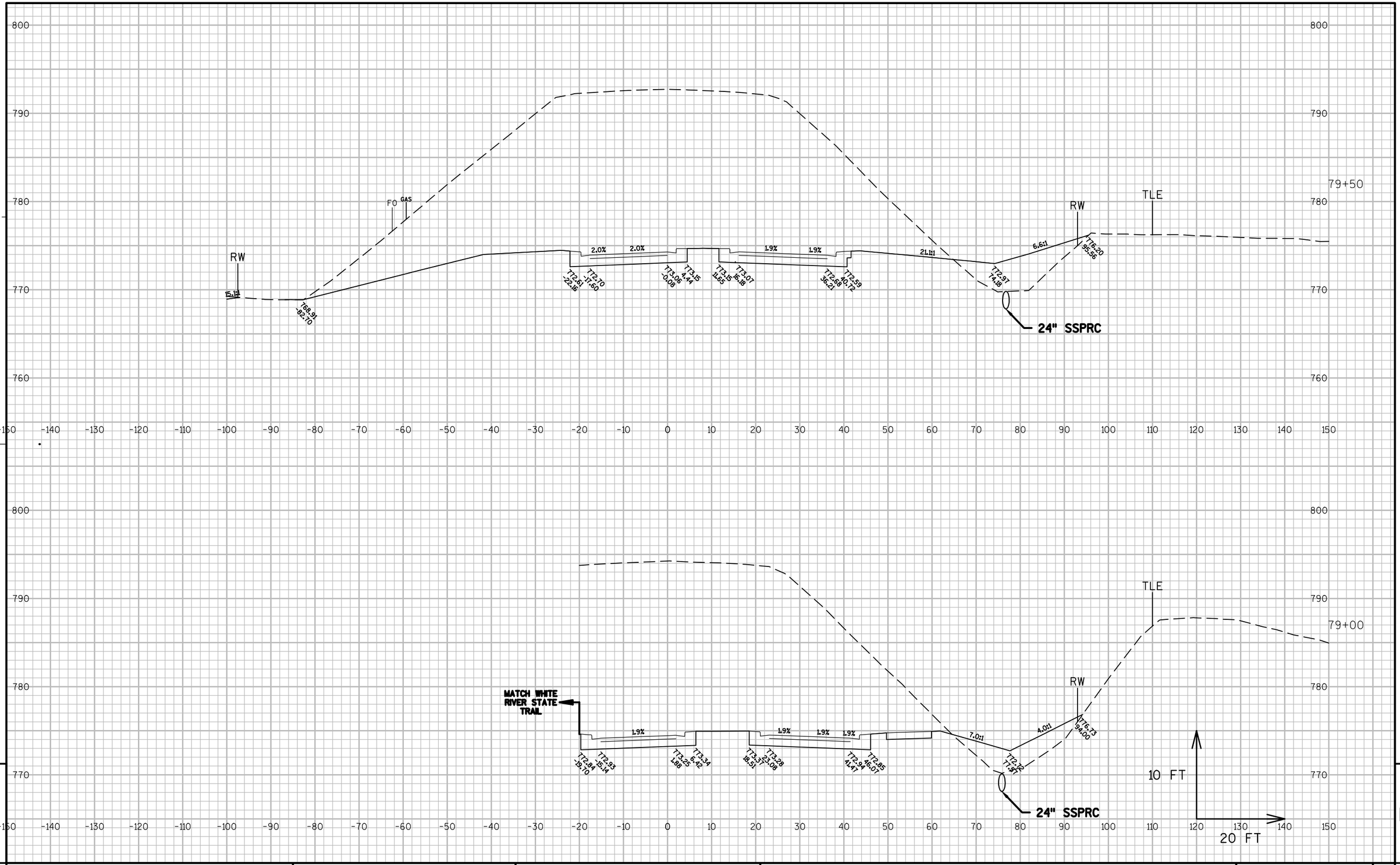
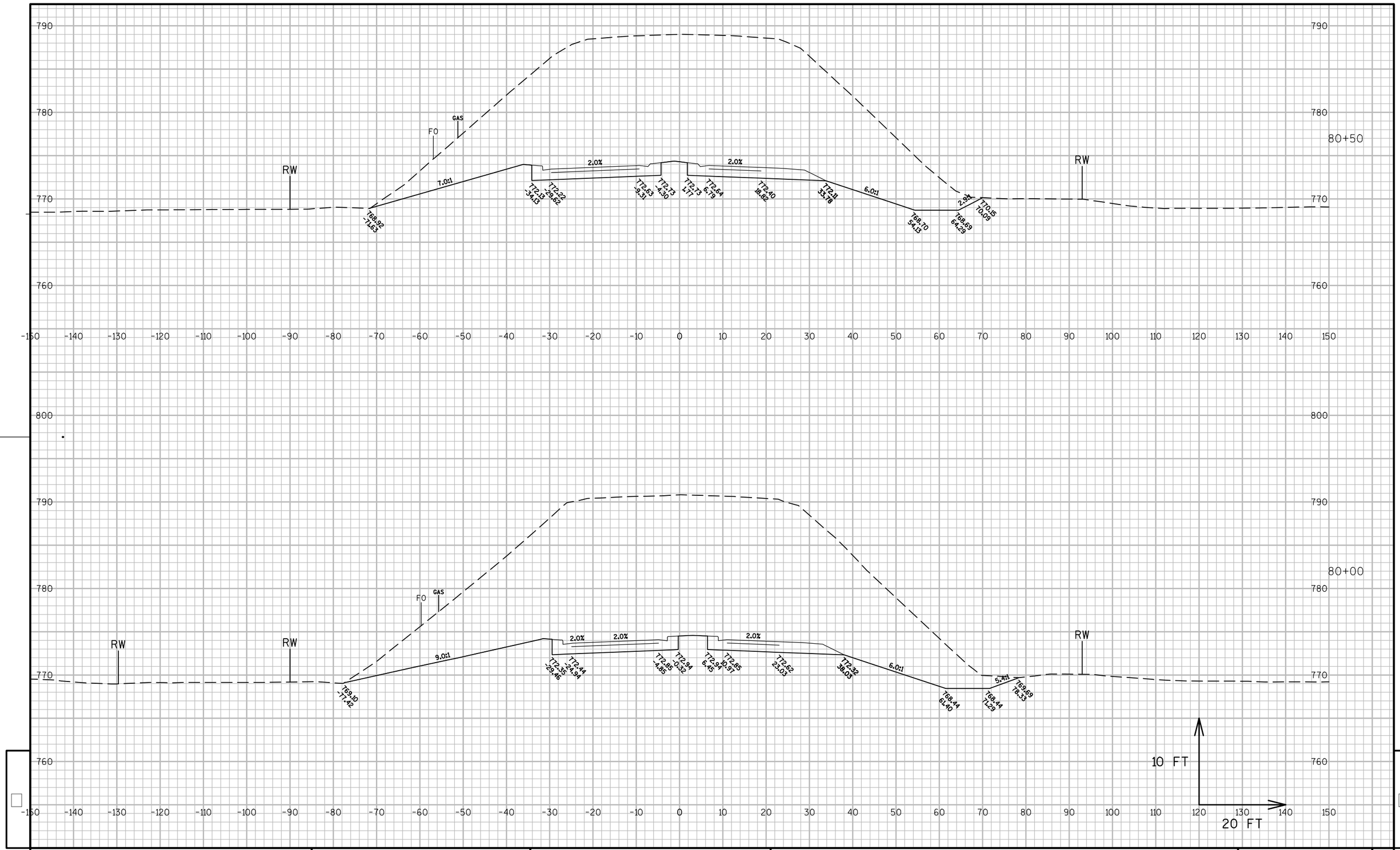


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 486	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

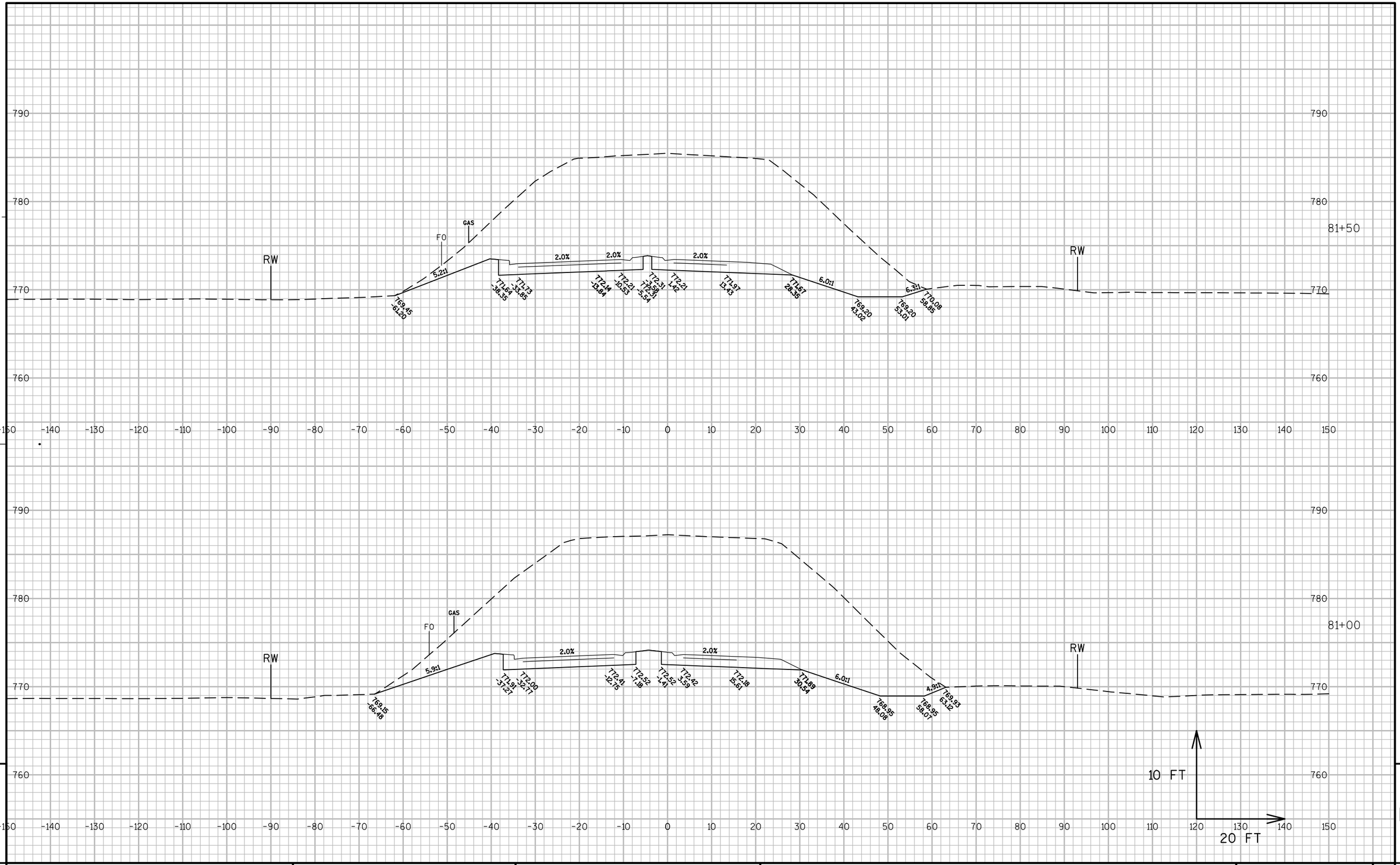
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 487	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

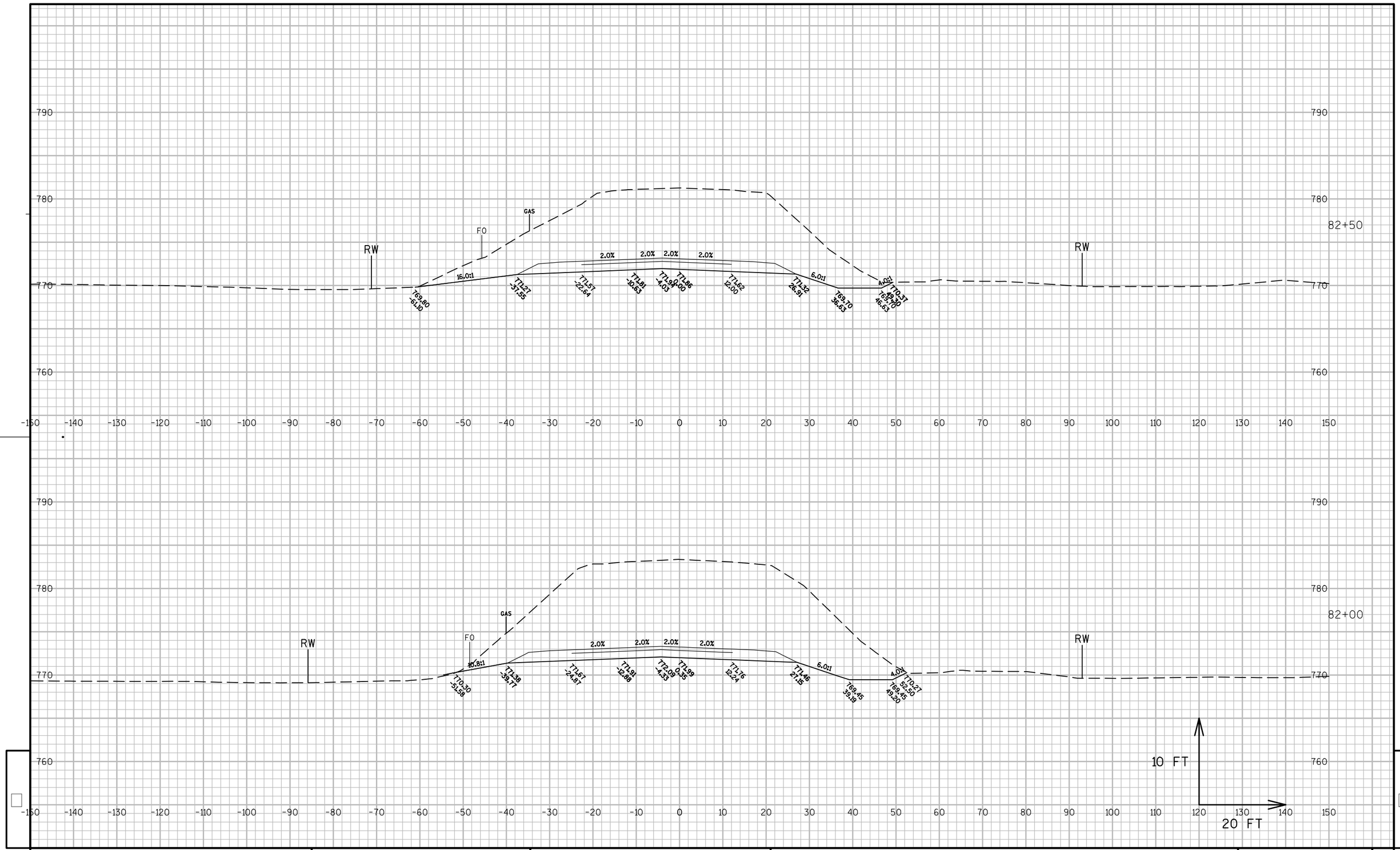
WISDOT/CADDS SHEET 49



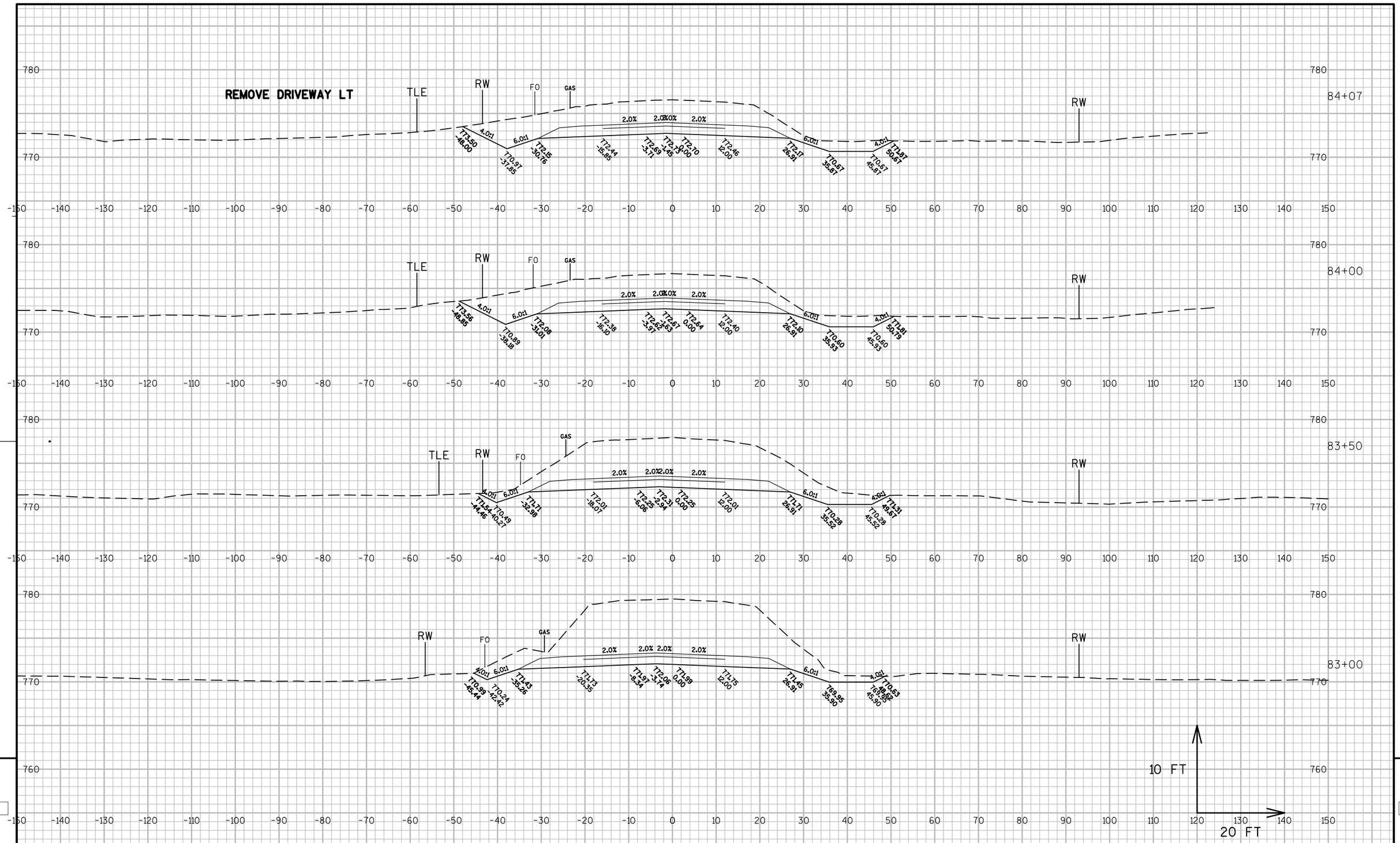
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 488	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 49

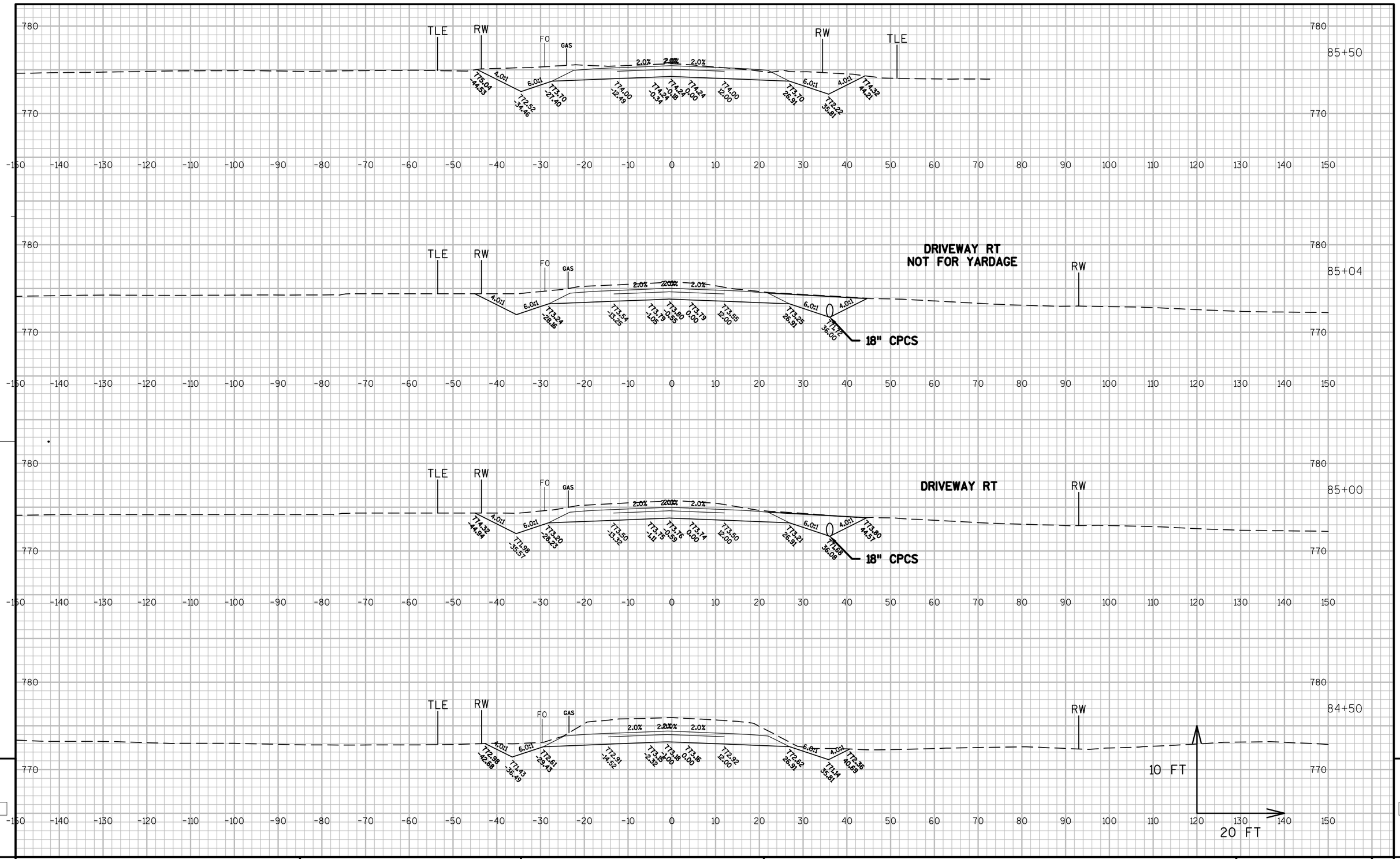


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 489	E

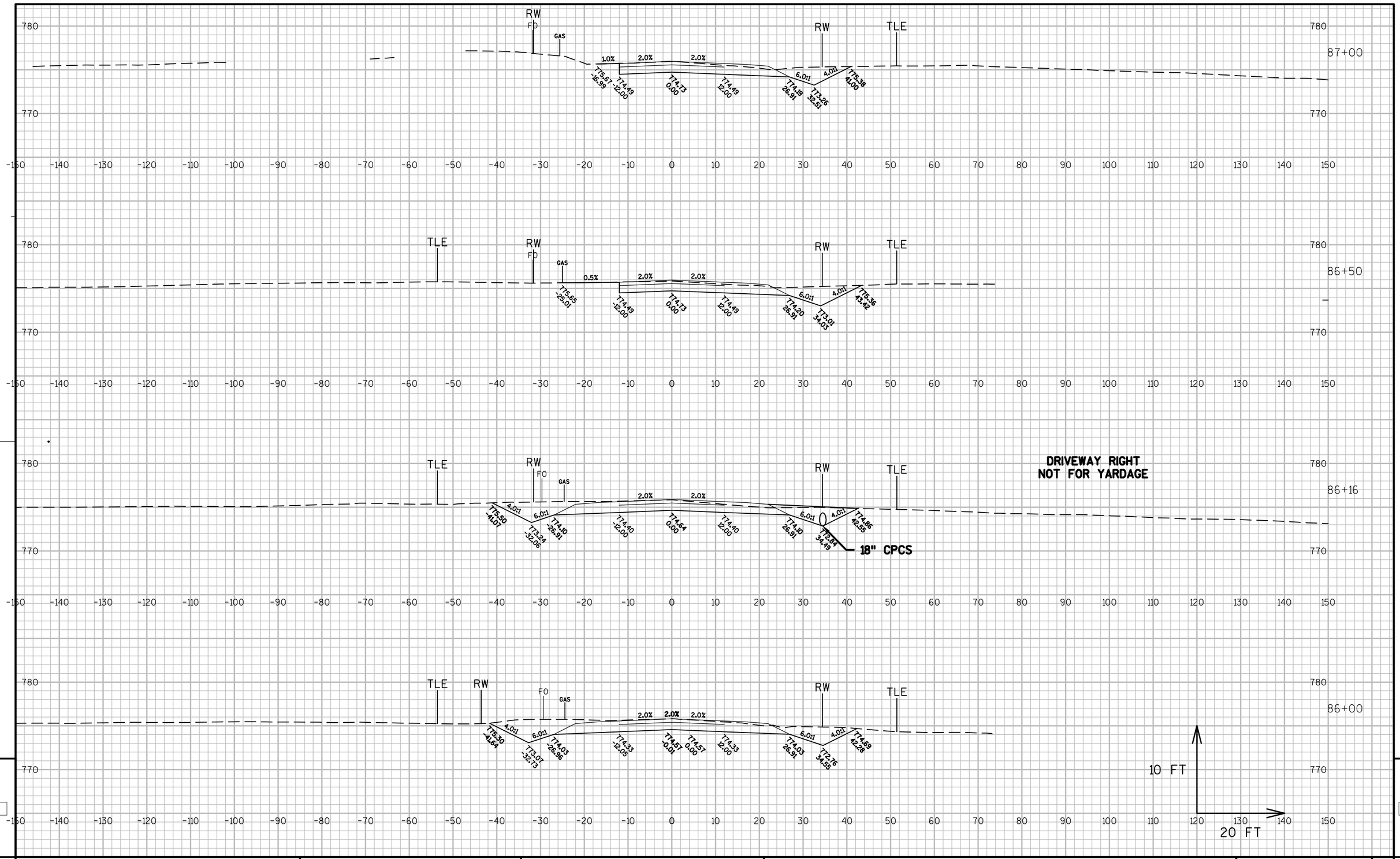


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 490	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

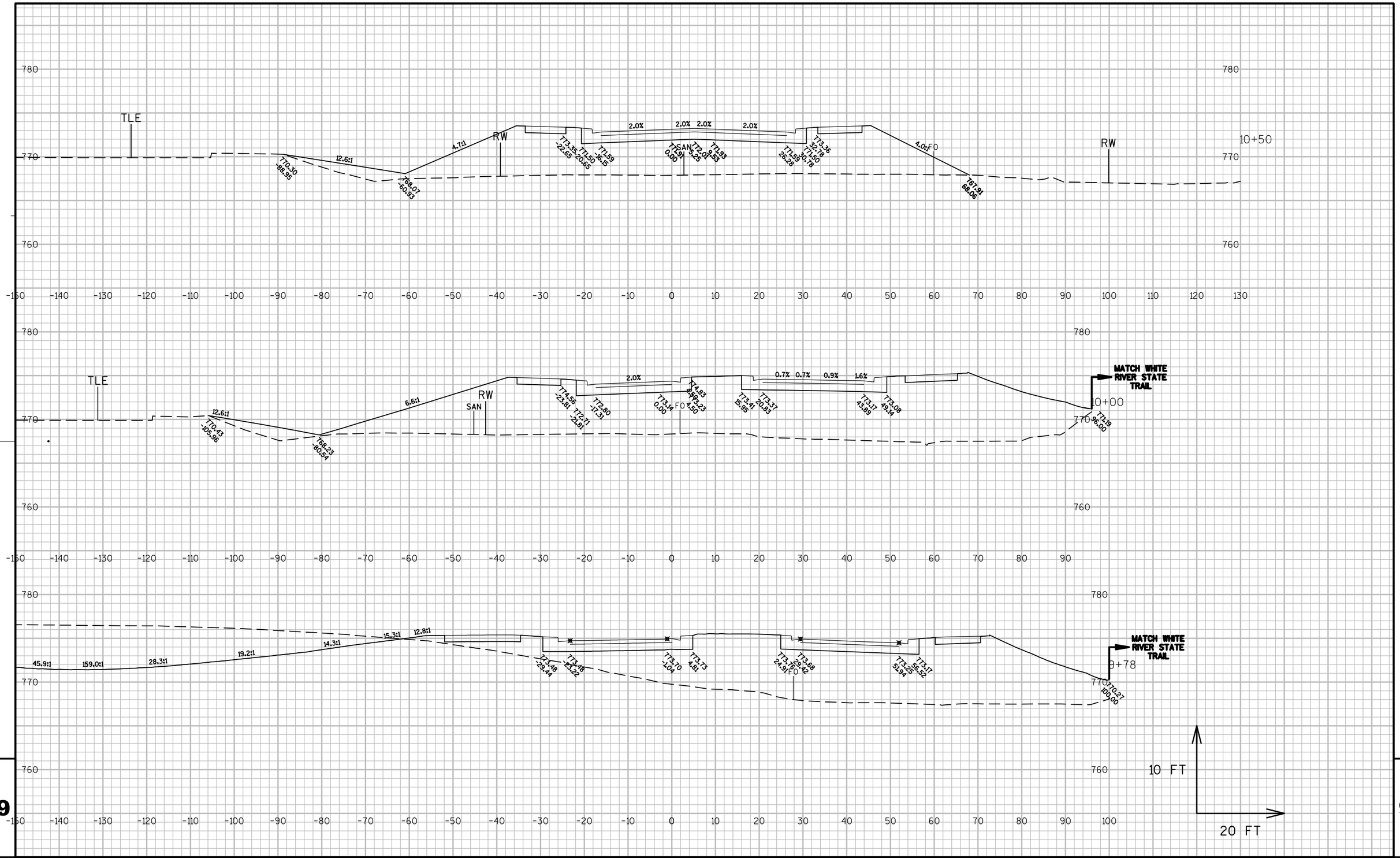


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 491	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 492	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090201_XS.DWG PLOT DATE : 9/28/2016 11:06 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

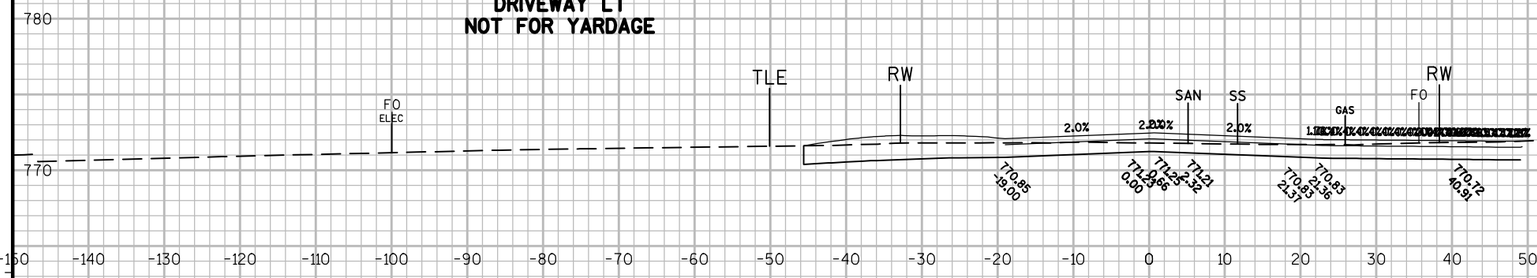


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: McCANNA PKWY	SHEET 493	E

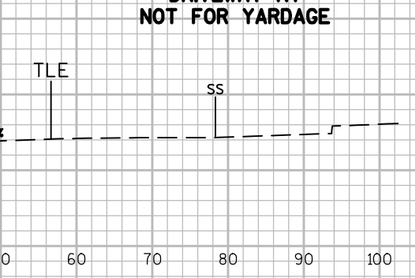
FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090202_XS.DWG PLOT DATE : 9/28/2016 11:08 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 49

DRIVEWAY LT
NOT FOR YARDAGE

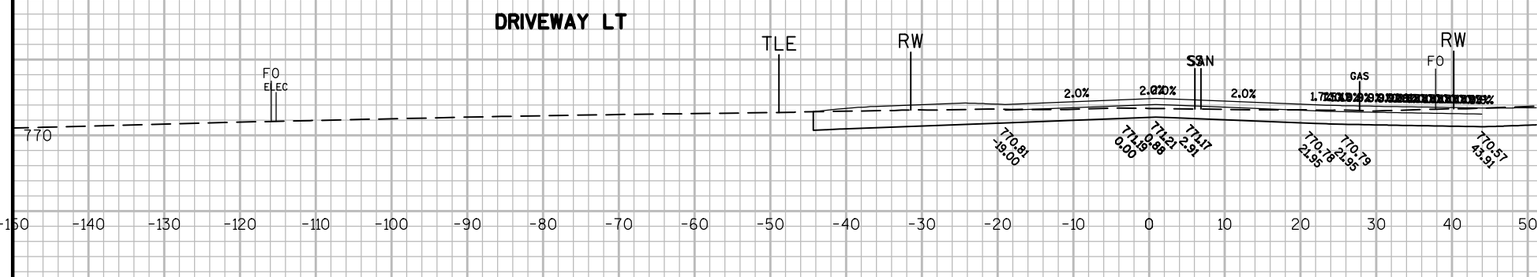


DRIVEWAY RT
NOT FOR YARDAGE

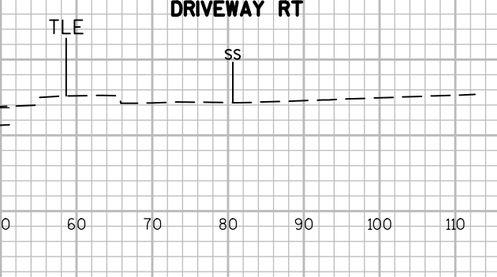


11+58

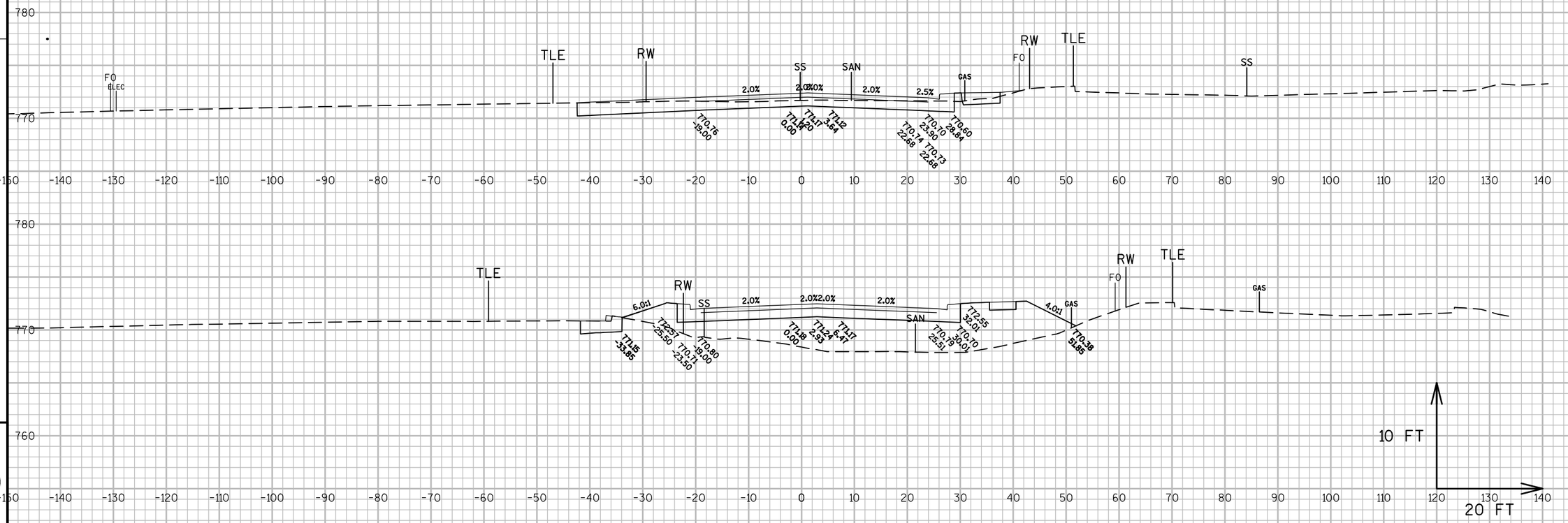
DRIVEWAY LT



DRIVEWAY RT



11+50



11+40

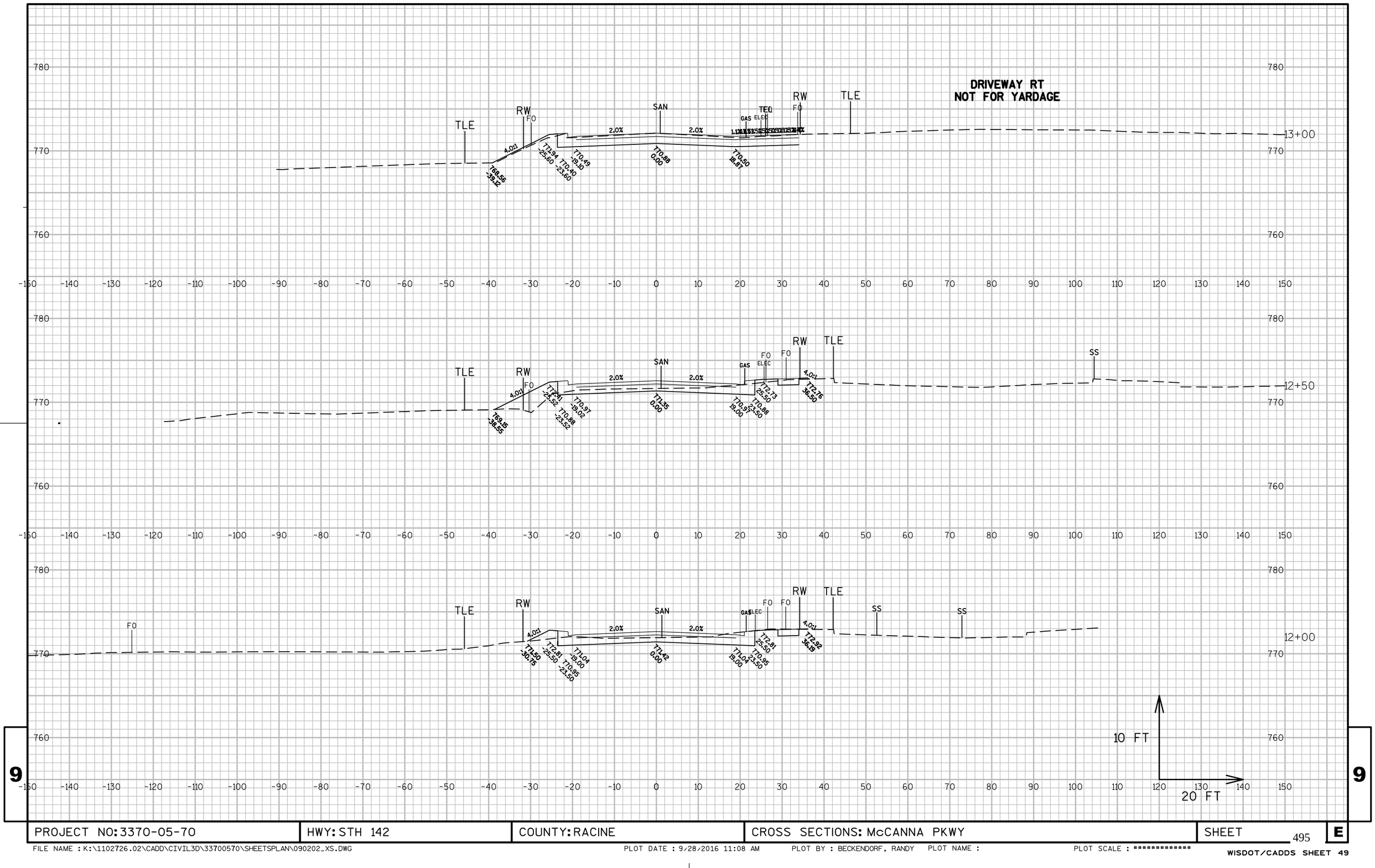
11+00

9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: McCANNA PKWY	SHEET 494	E

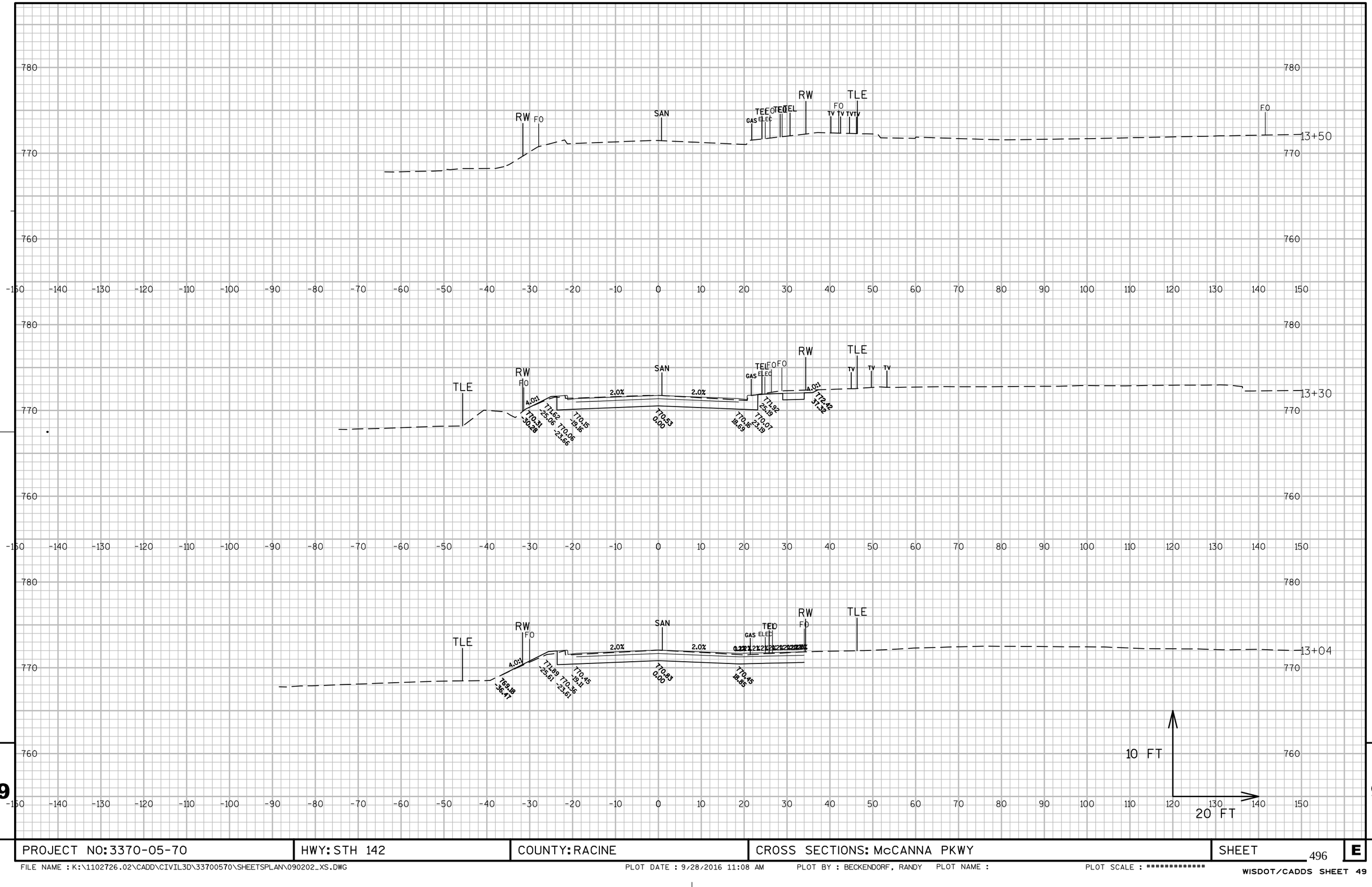
DRIVEWAY RT
NOT FOR YARDAGE



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: McCANNA PKWY	SHEET 495	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090202_XS.DWG PLOT DATE : 9/28/2016 11:08 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

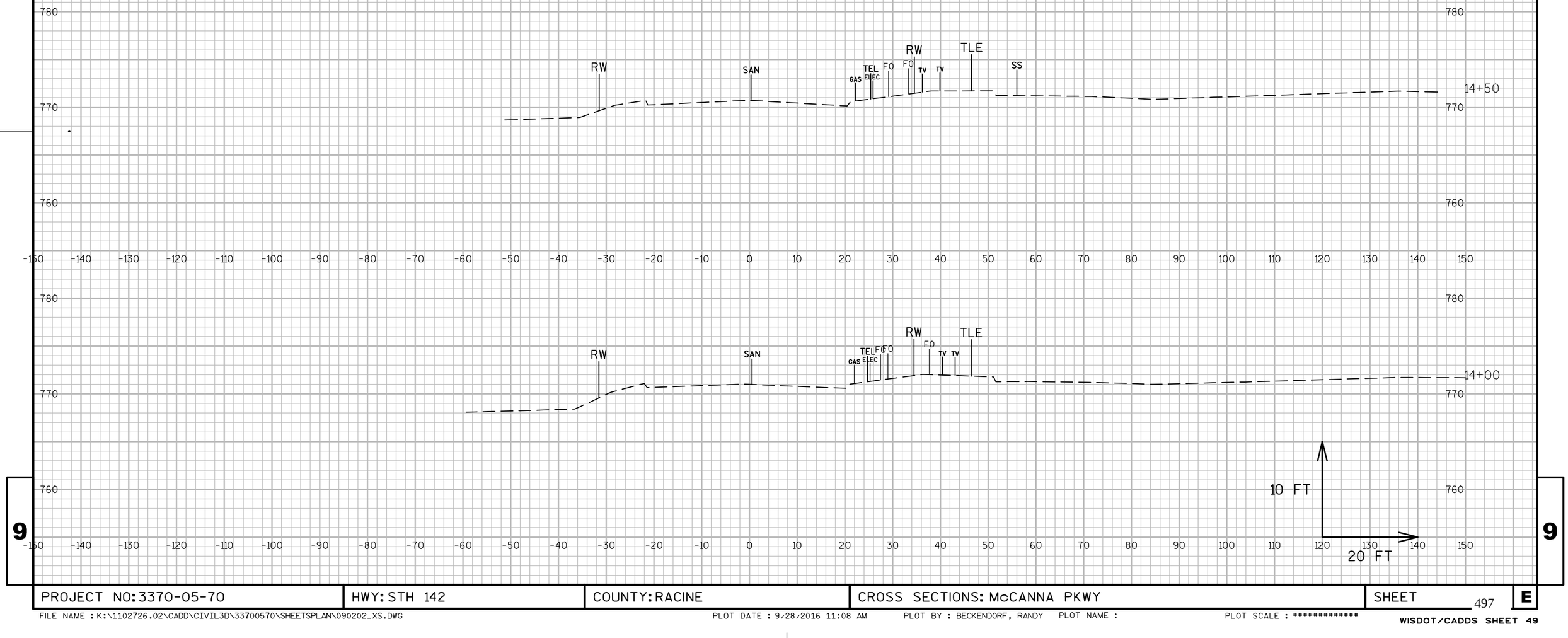
WISDOT/CADDS SHEET 49



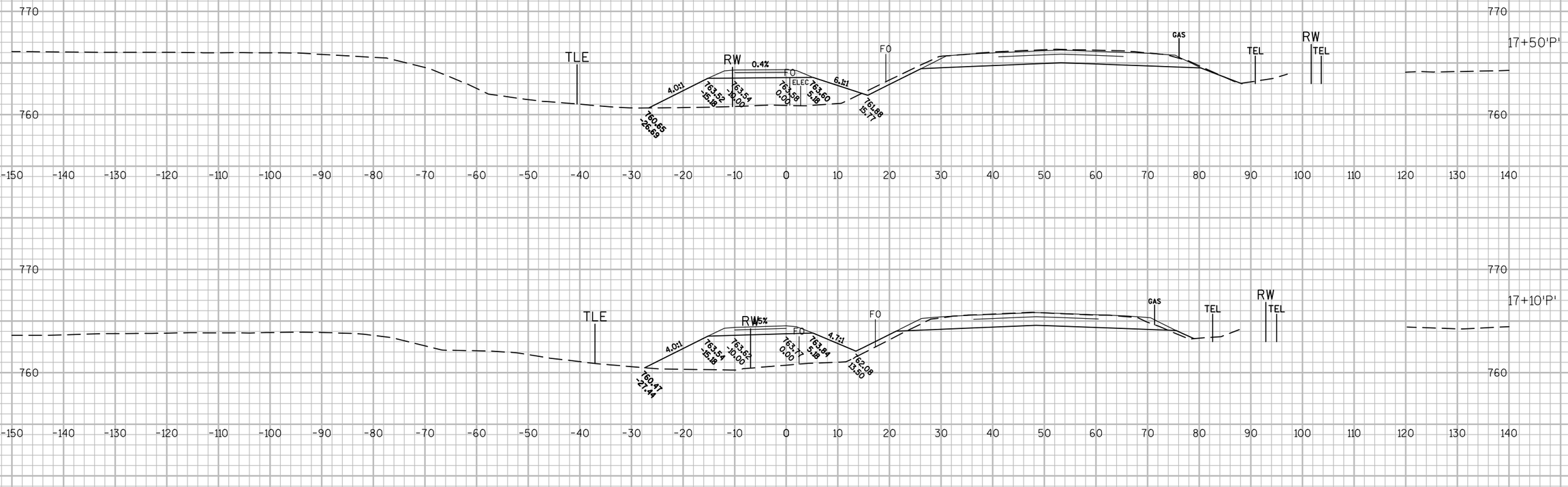
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: McCANNA PKWY	SHEET 496	E

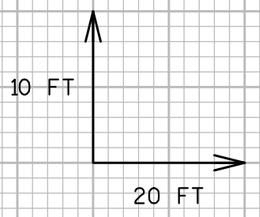
FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090202_XS.DWG PLOT DATE : 9/28/2016 11:08 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : **********

WISDOT/CADDS SHEET 49

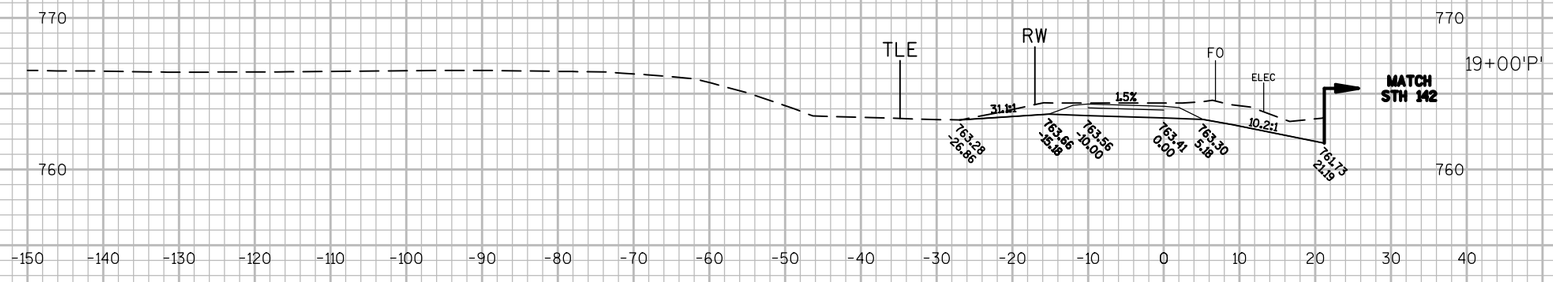


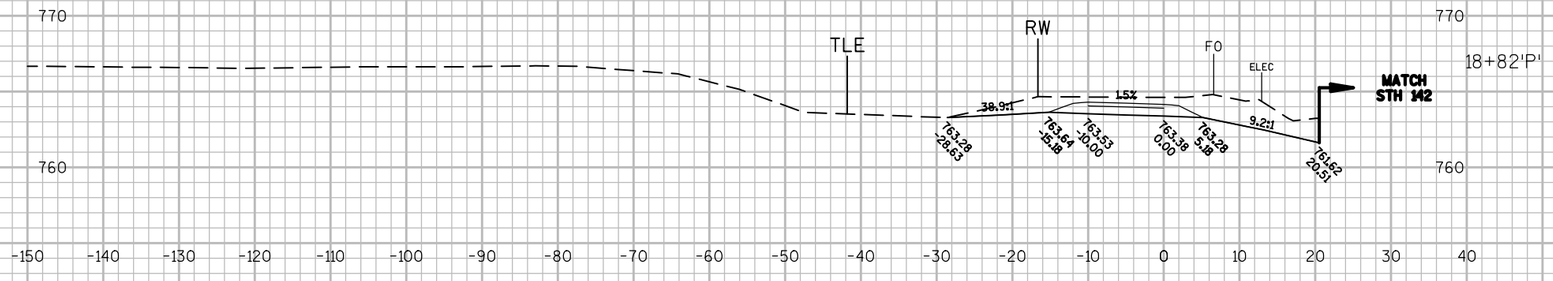
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: McCANNA PKWY	SHEET 497	E

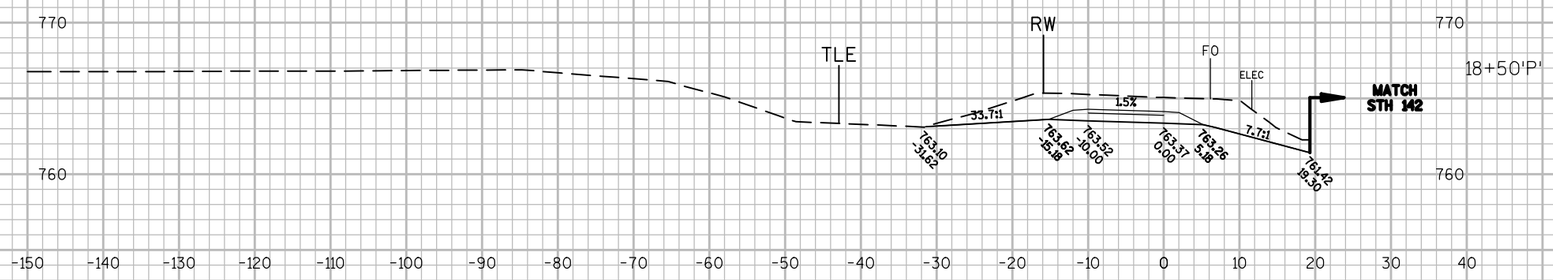


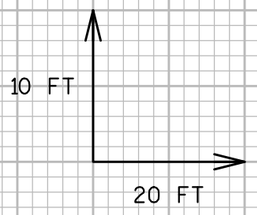


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 498	E

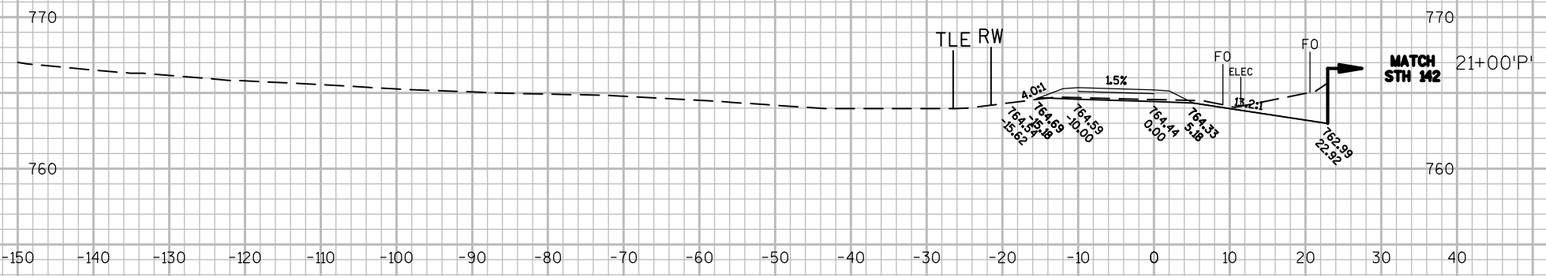




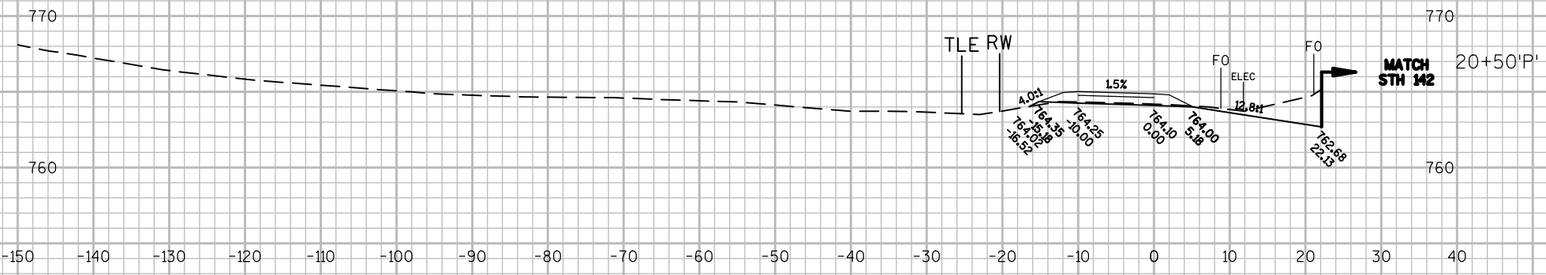




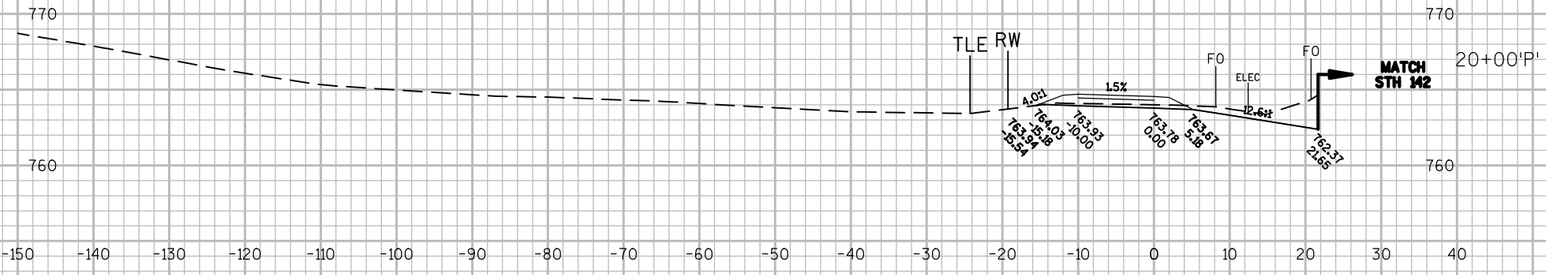
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 499	E



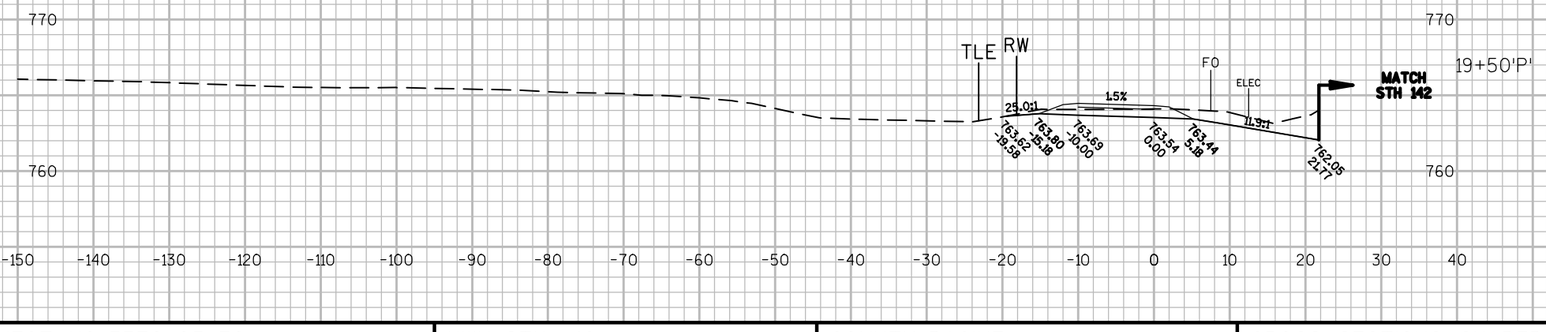
21+00'P'



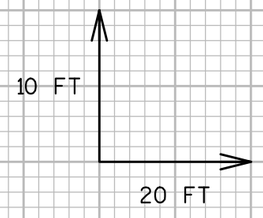
20+50'P'



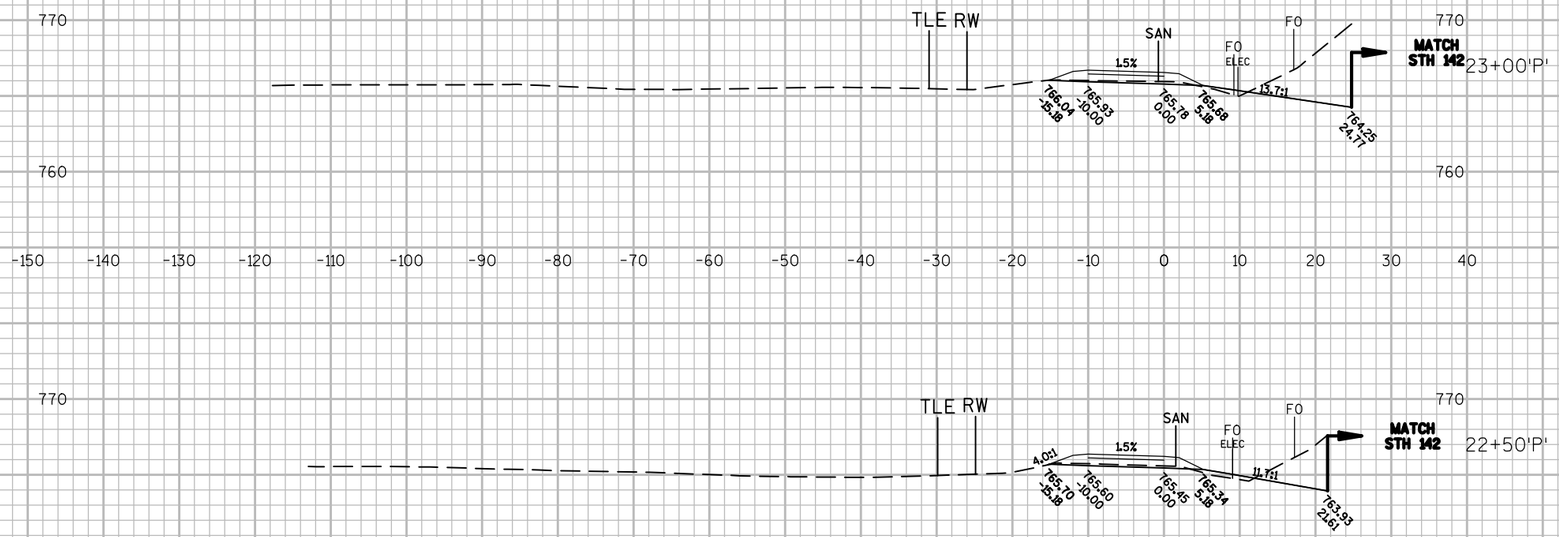
20+00'P'

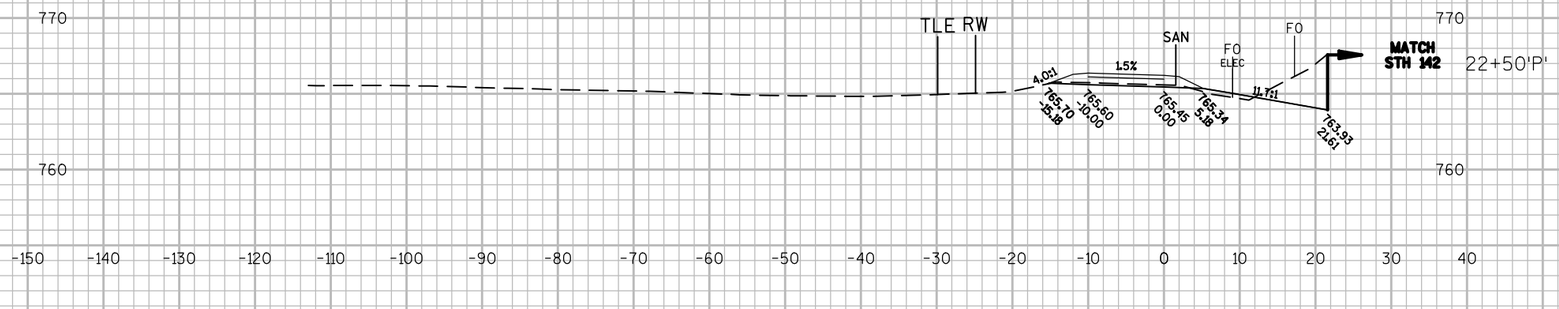


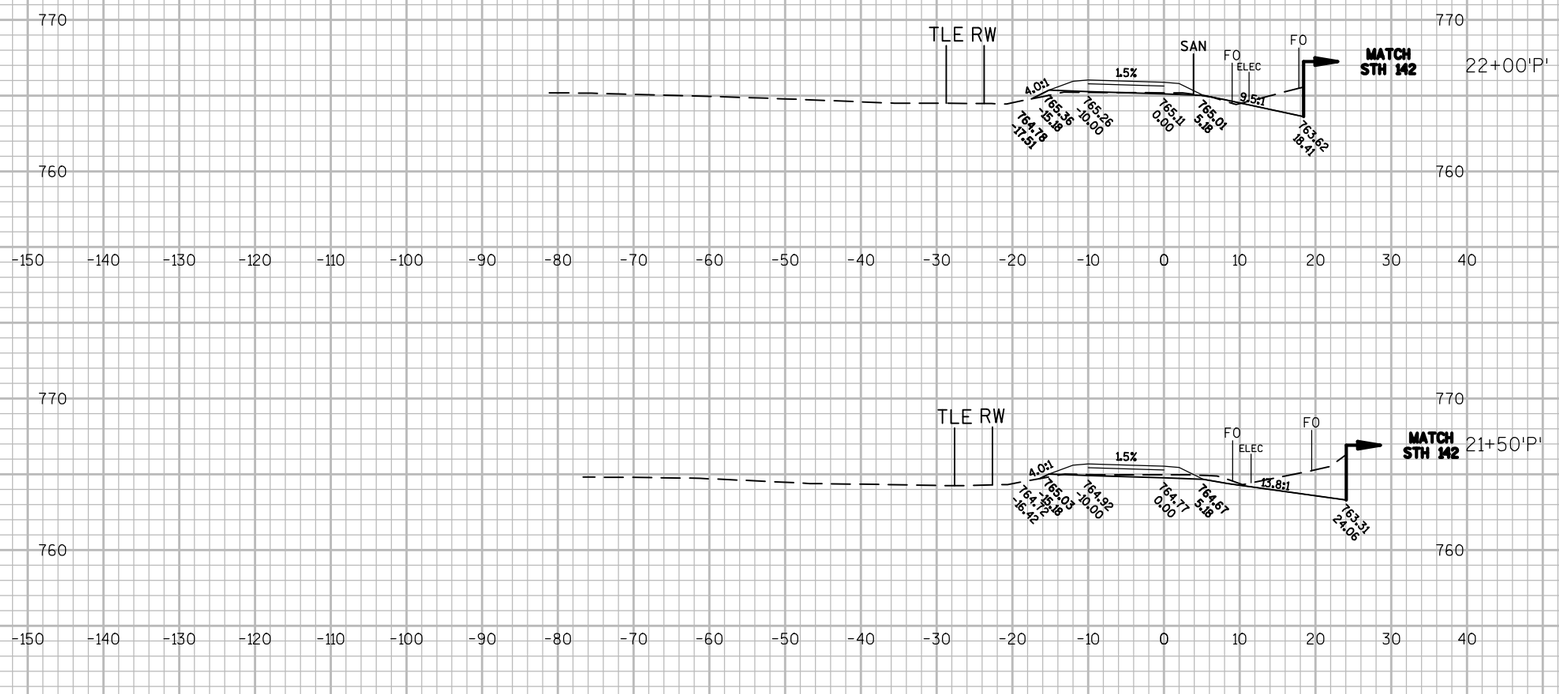
19+50'P'

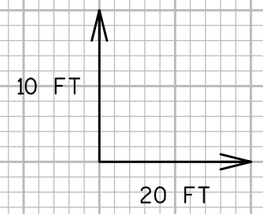


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 500	E

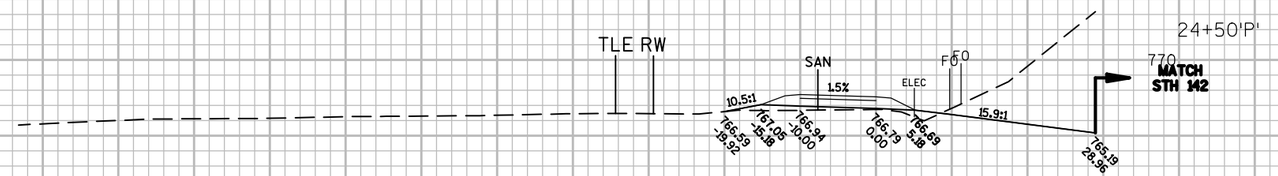


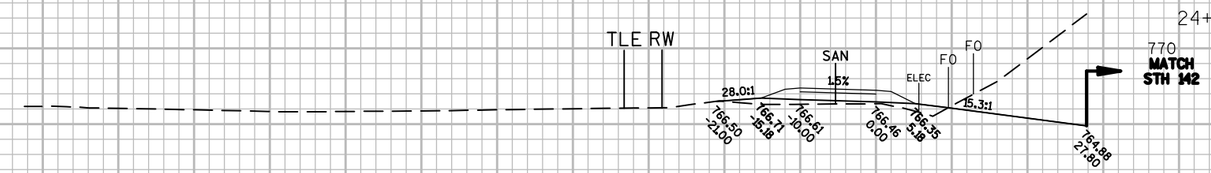


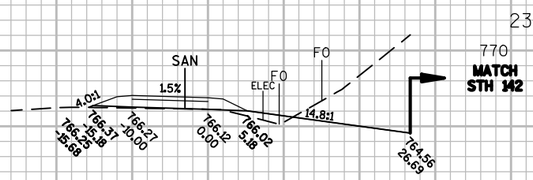


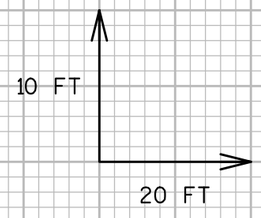


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 501	E

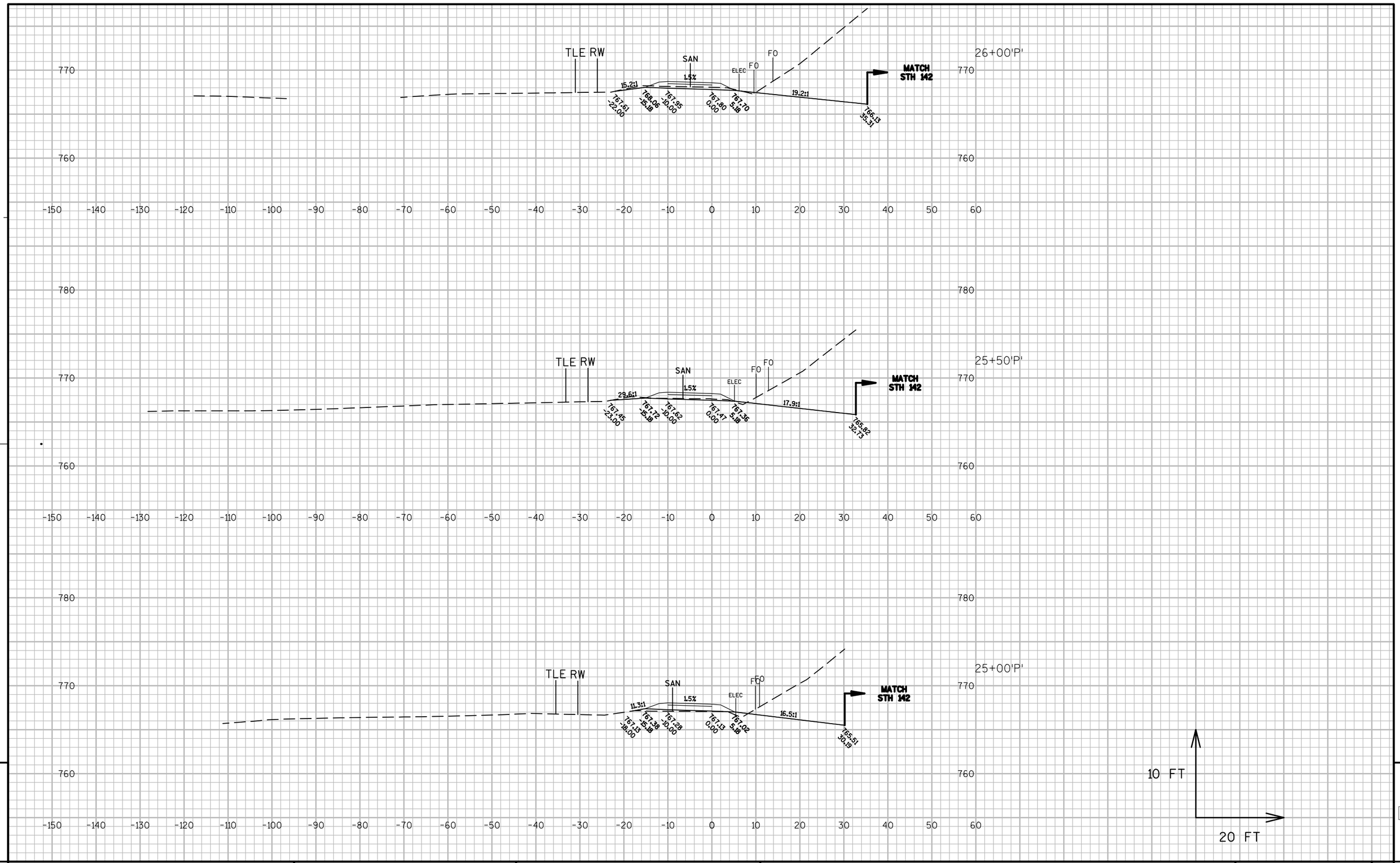




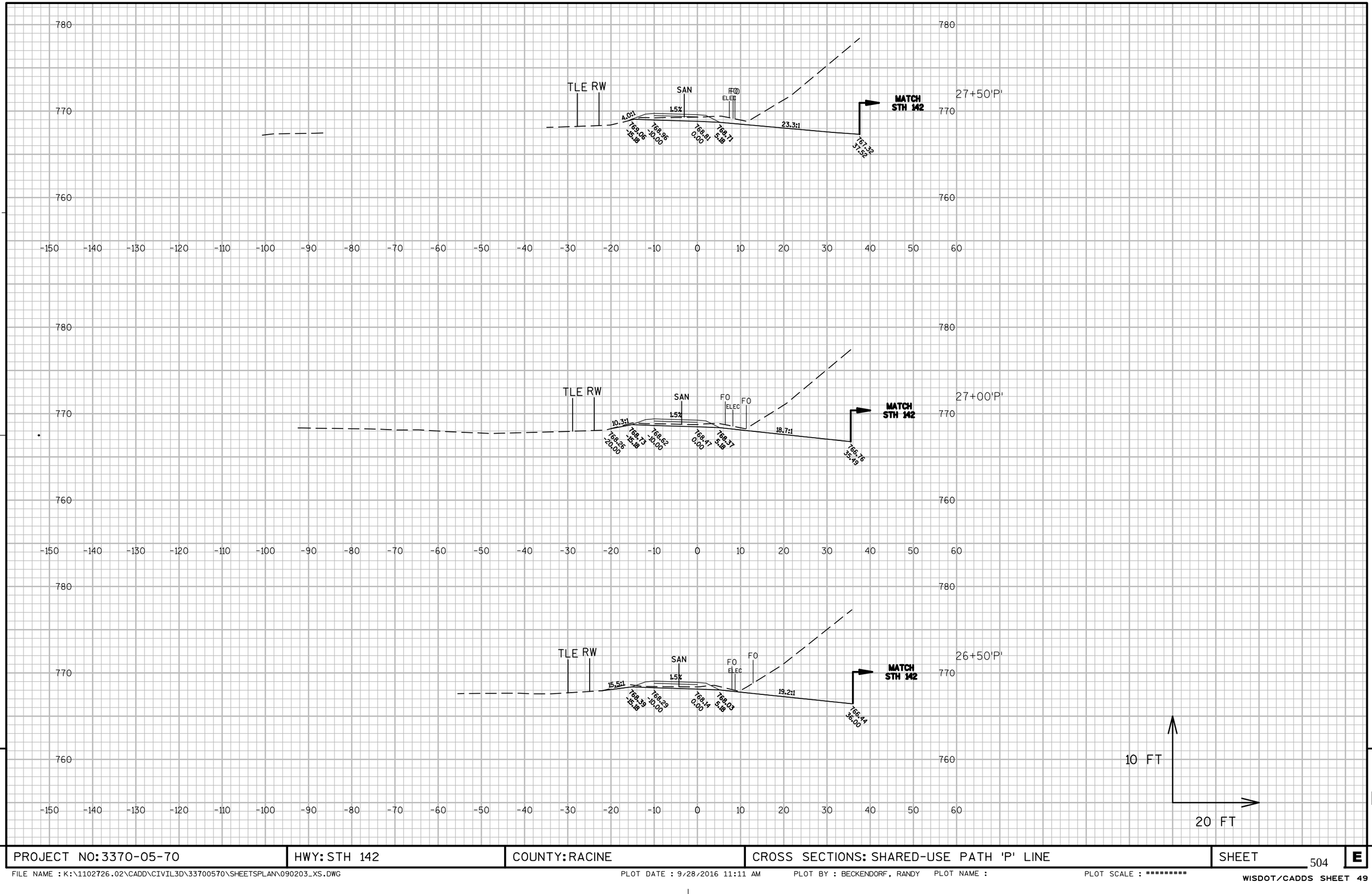




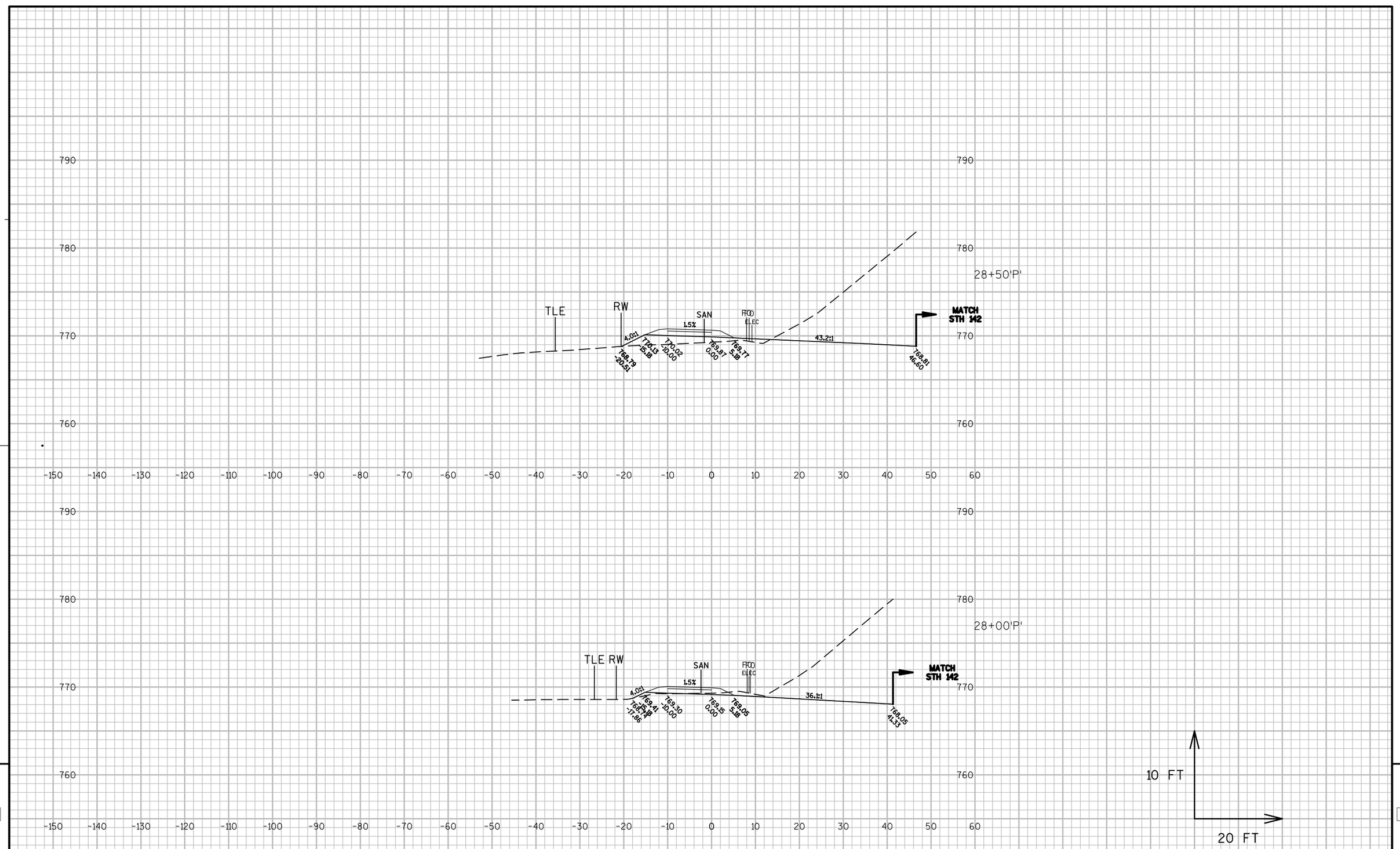
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 502	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 503	E



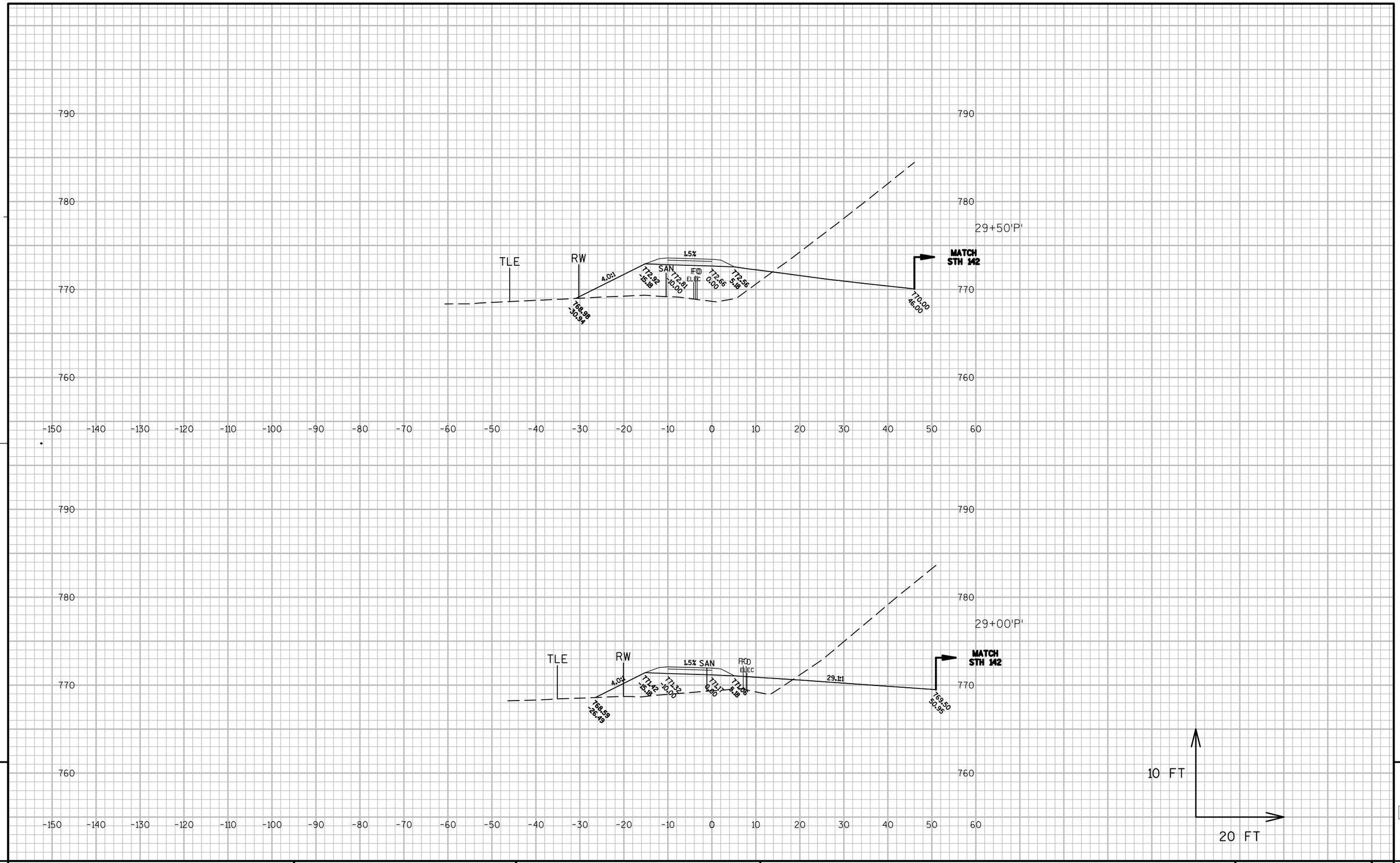
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 504	E



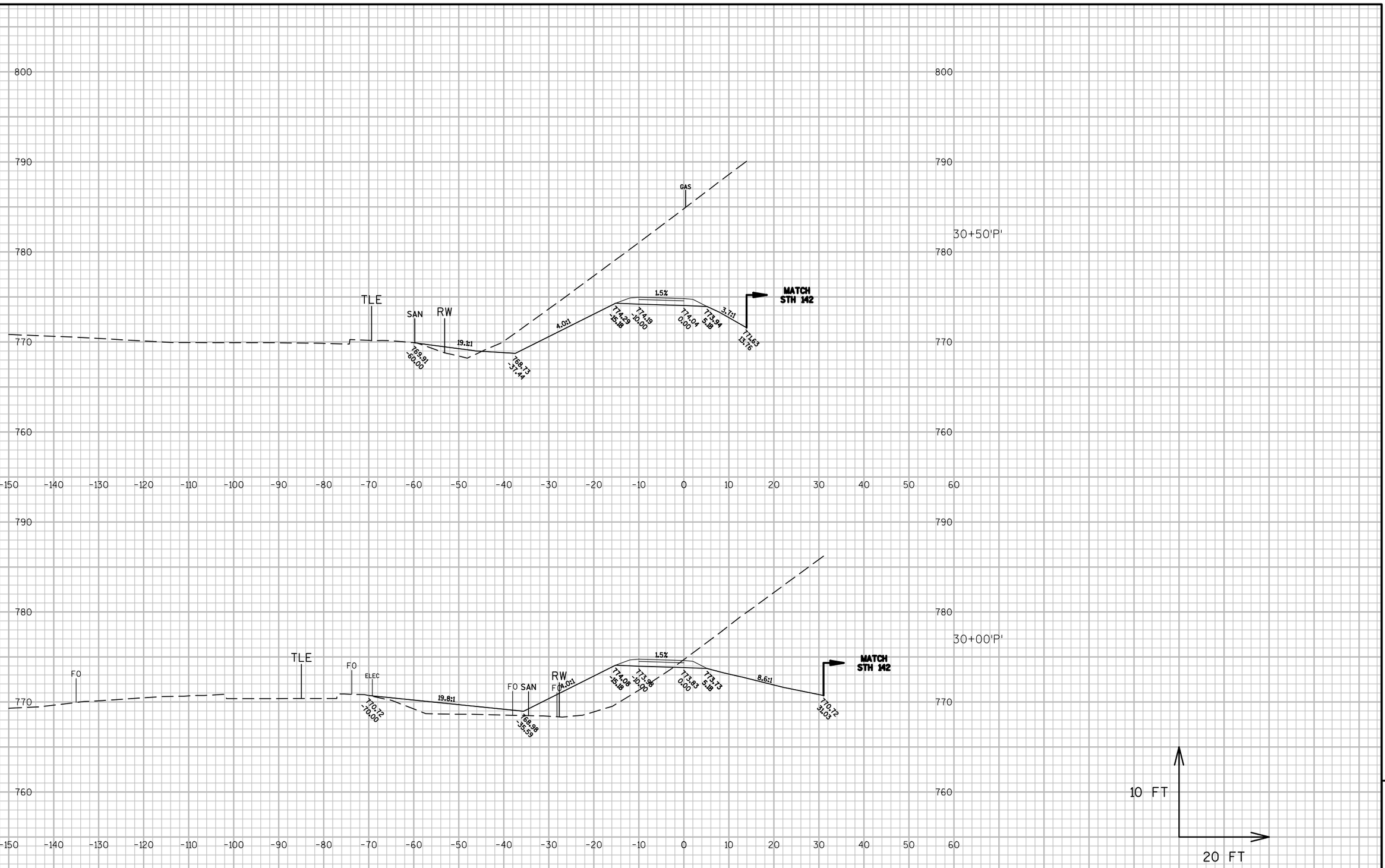
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 505	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090203_XS.DWG PLOT DATE : 9/28/2016 11:11 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : *********

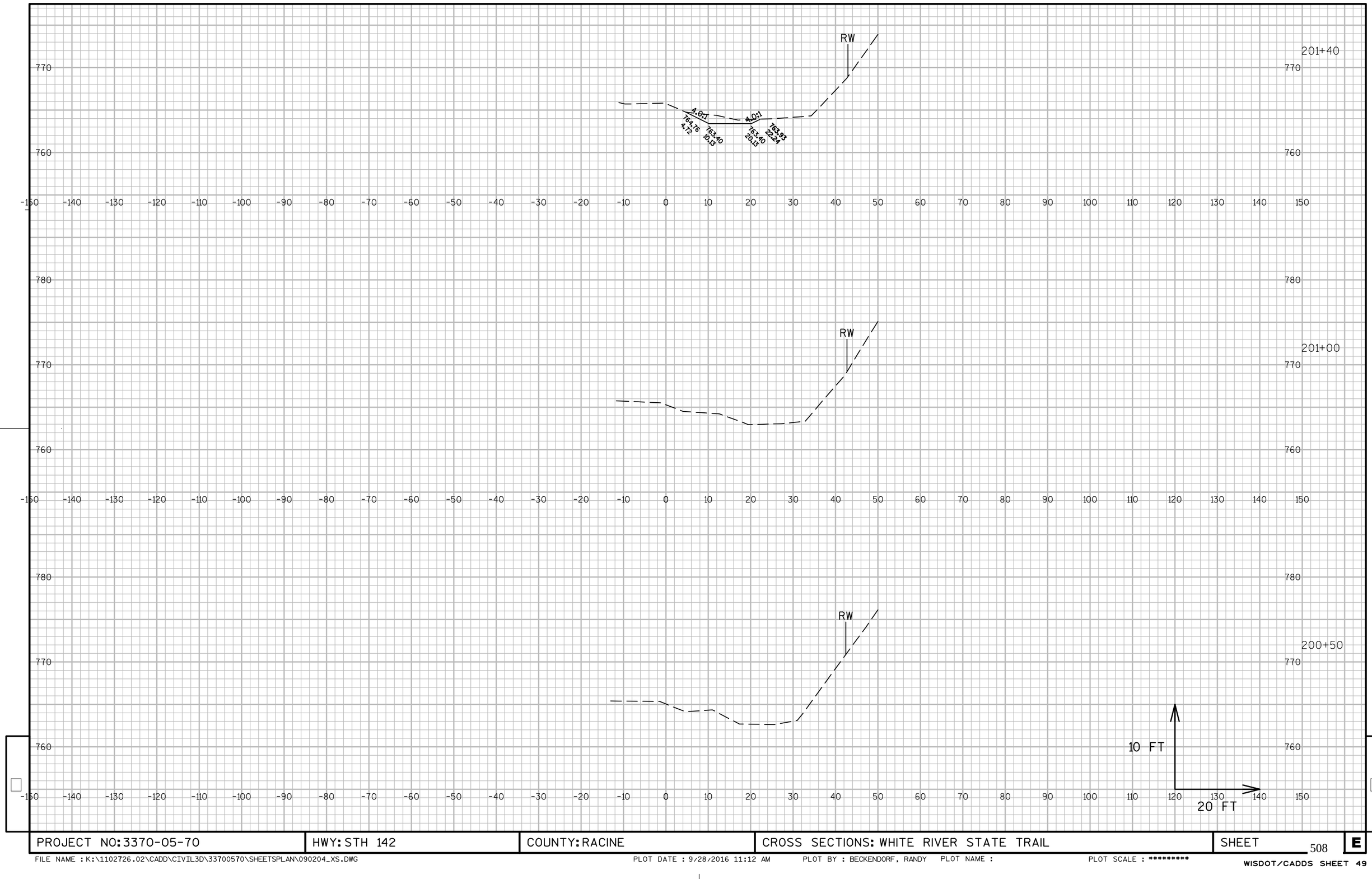
WISDOT/CADDS SHEET 49



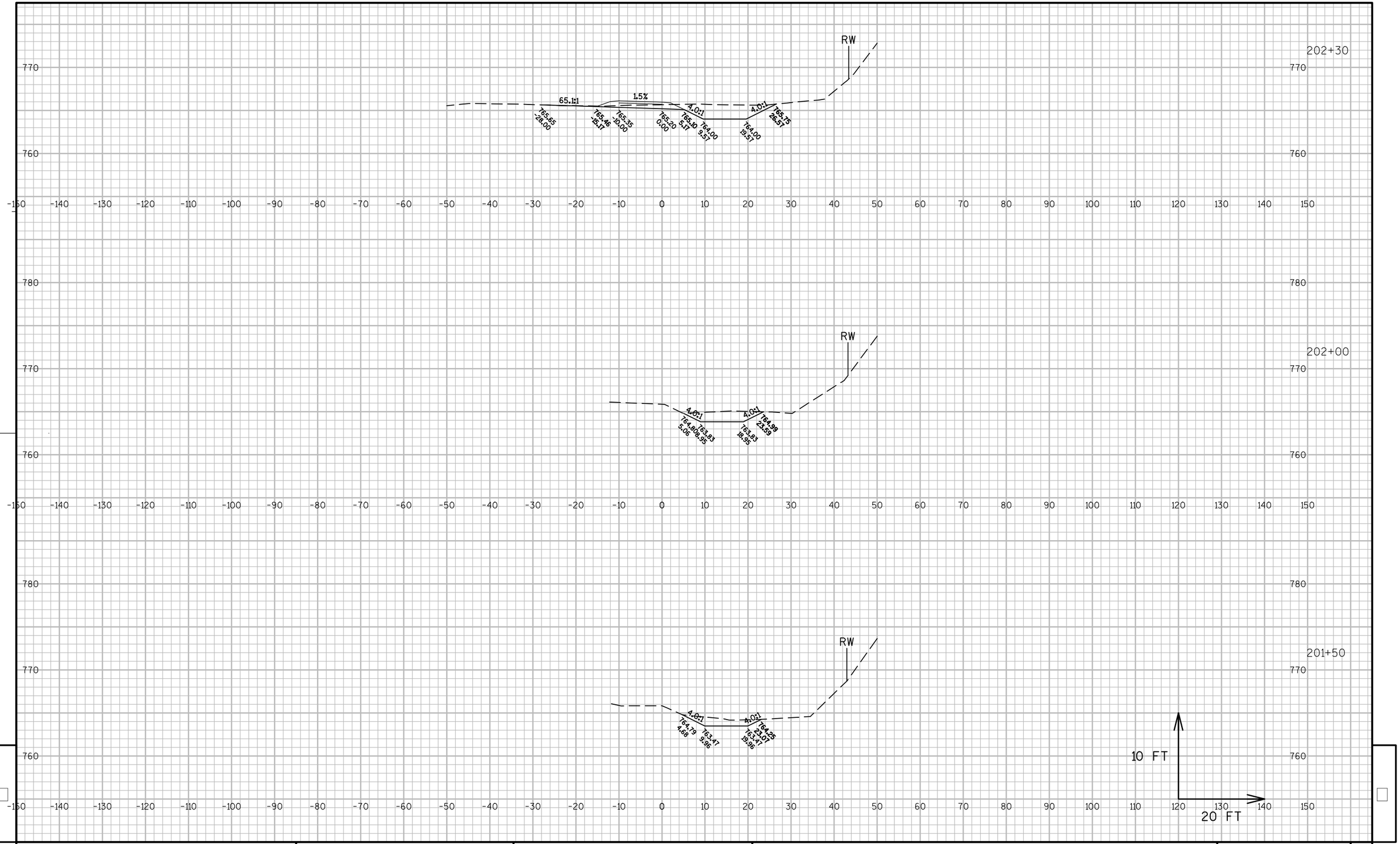
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 506	E



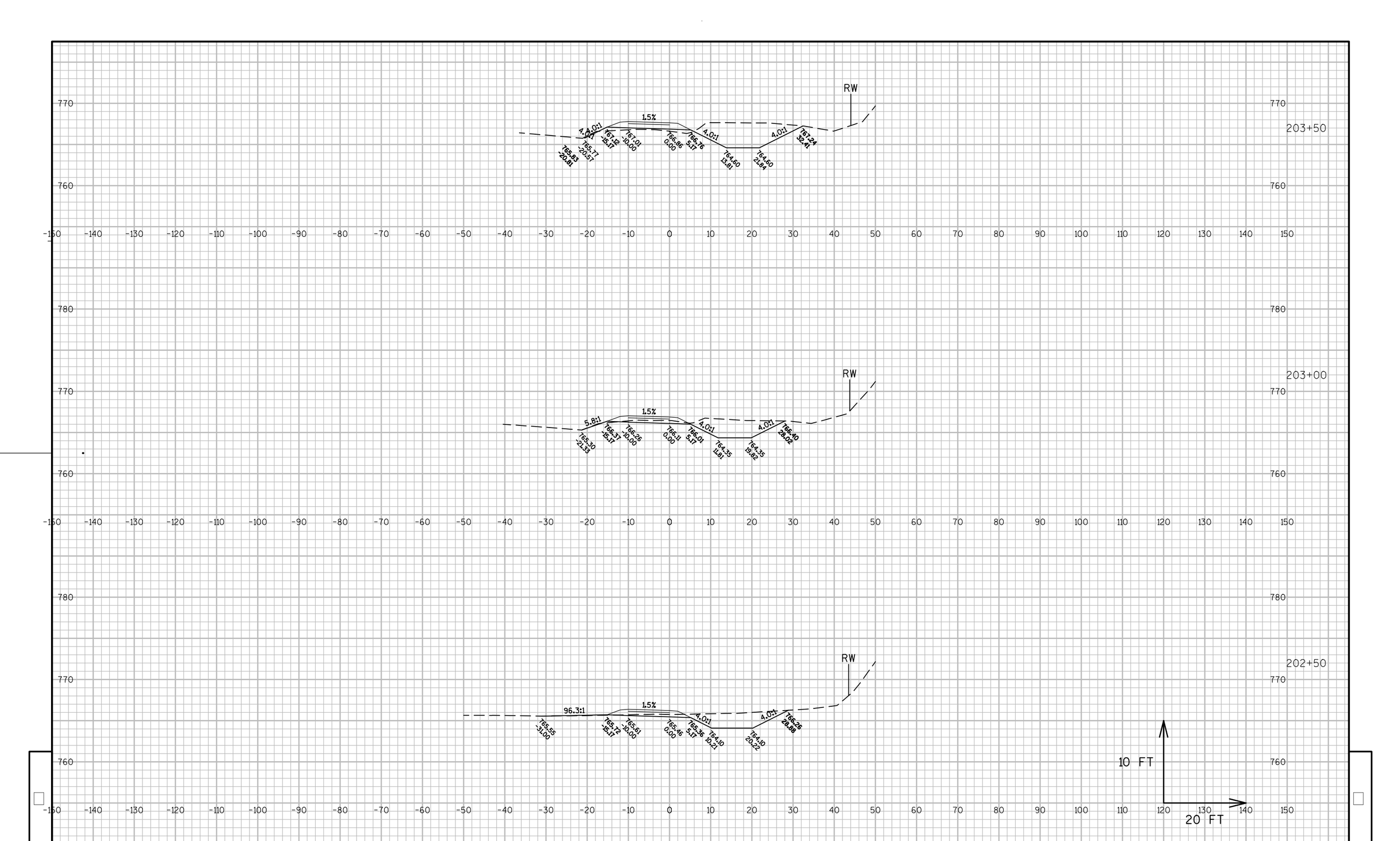
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHARED-USE PATH 'P' LINE	SHEET 507	E



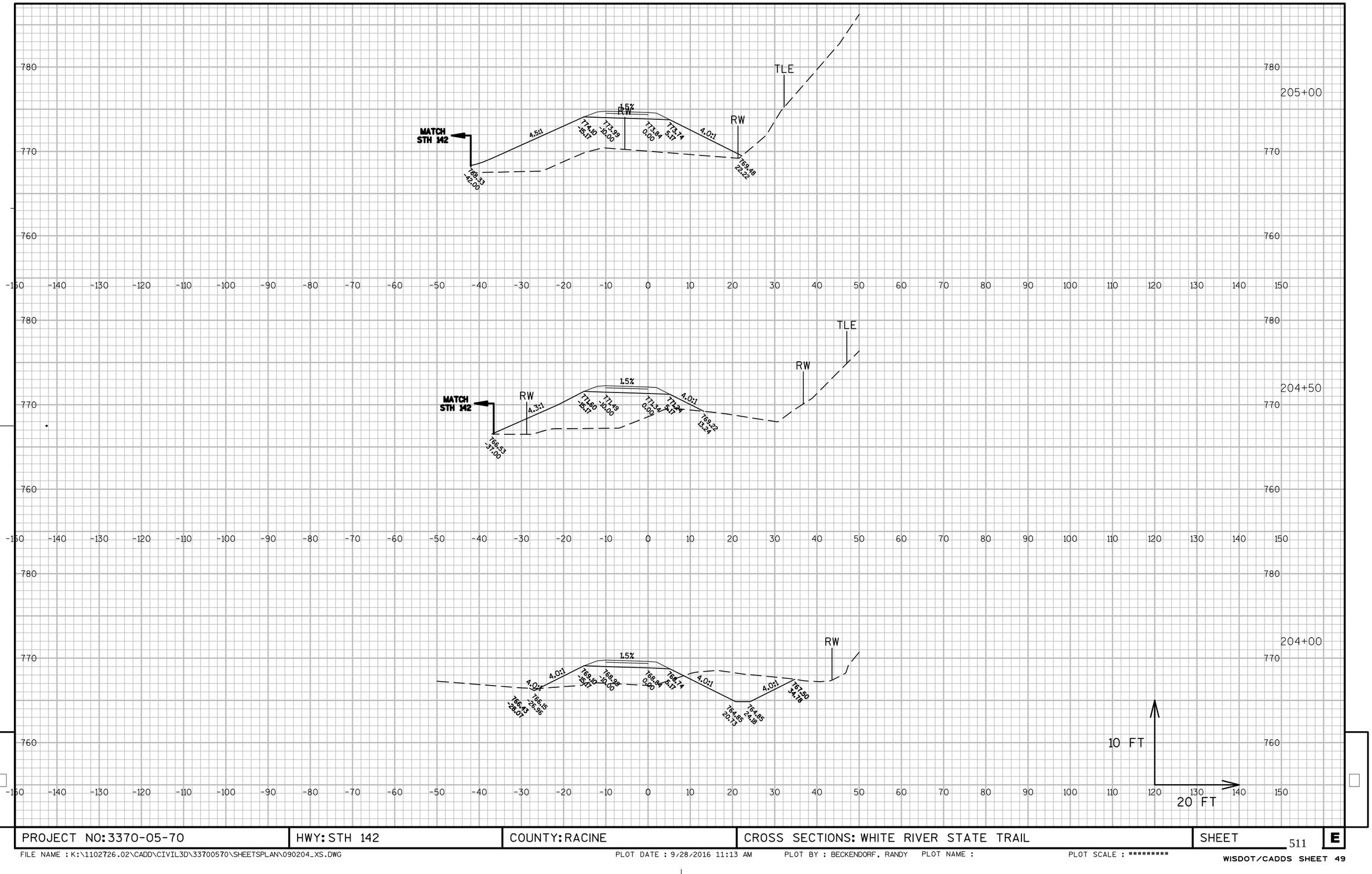
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 508	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 509	E

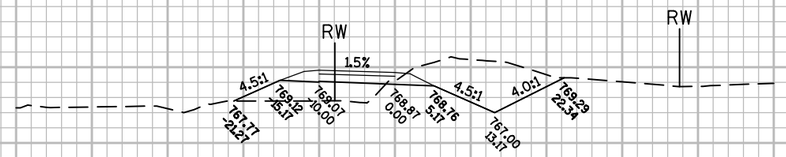


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 510	E

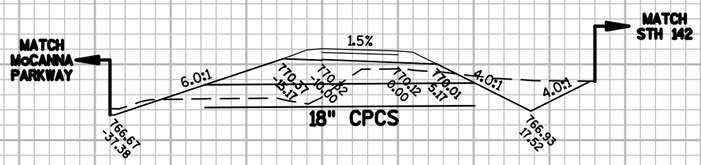


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 511	E

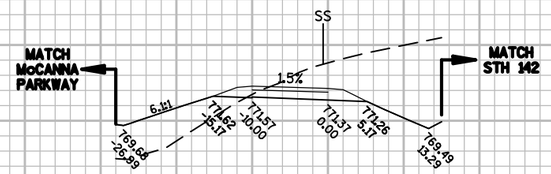
FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090204_XS.DWG PLOT DATE : 9/28/2016 11:13 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : *********
WISDOT/CADDS SHEET 49



209+00



208+75



208+50

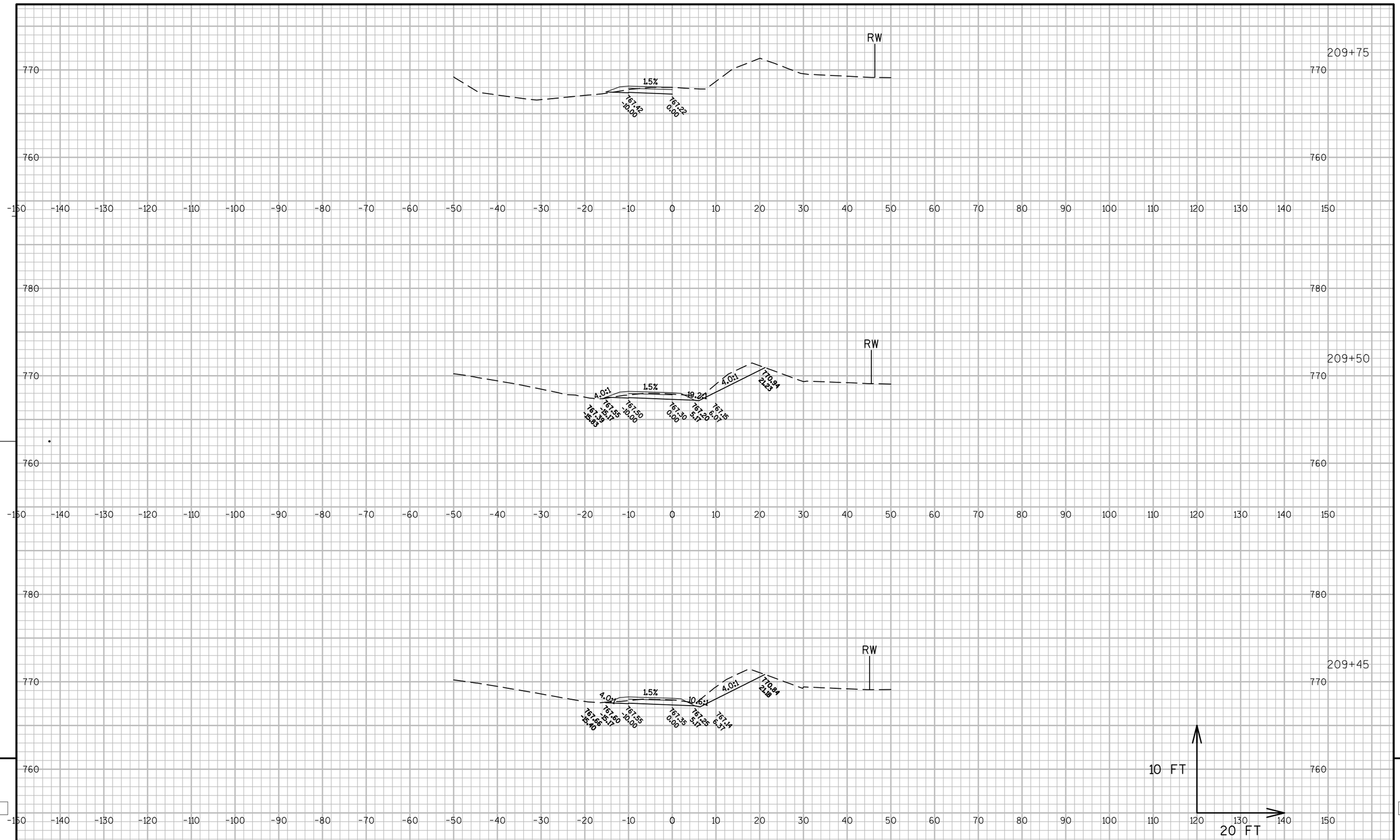
10 FT

20 FT

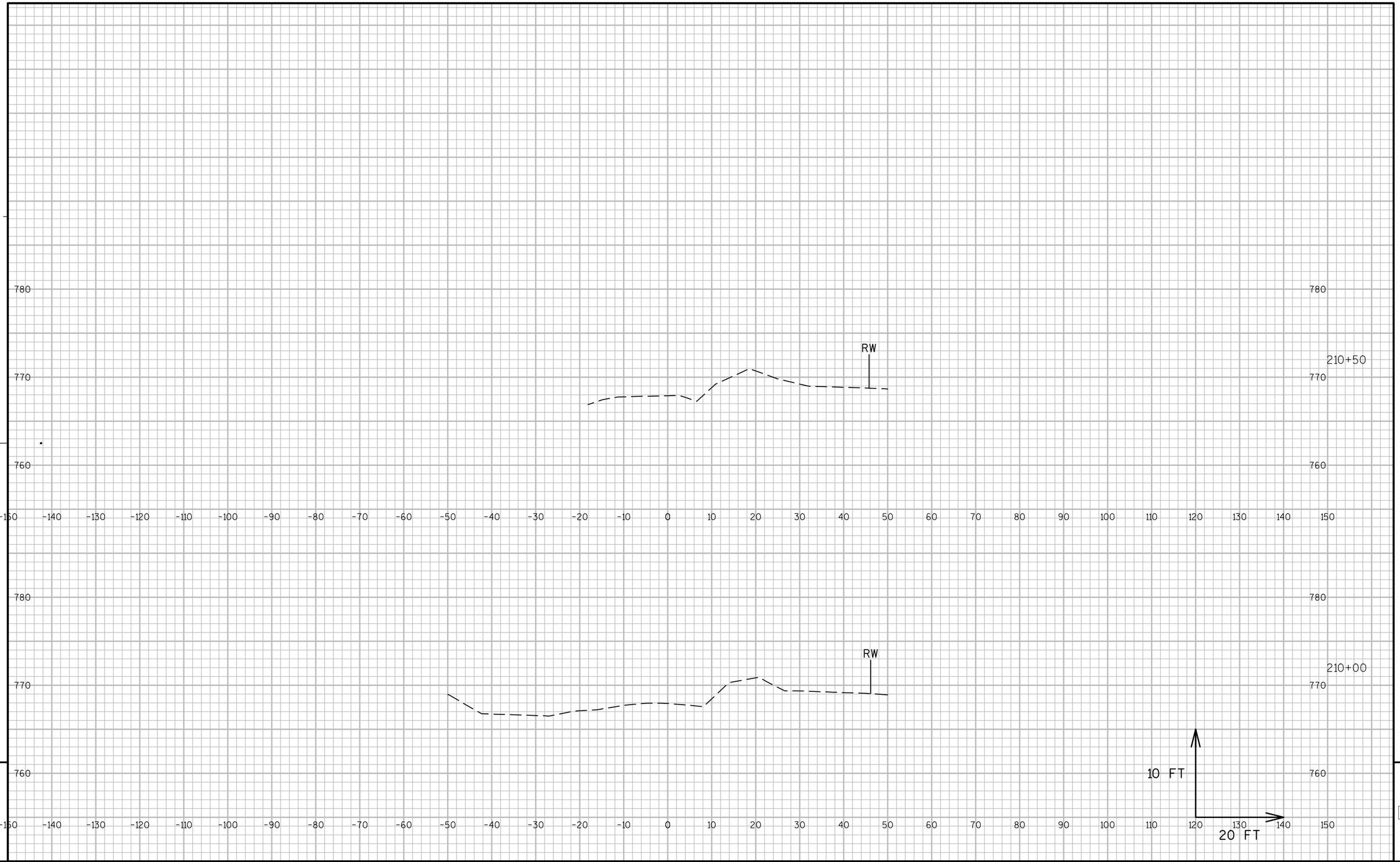
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 512	E

FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090204_XS.DWG PLOT DATE : 9/28/2016 11:13 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : *********

WISDOT/CADDS SHEET 49

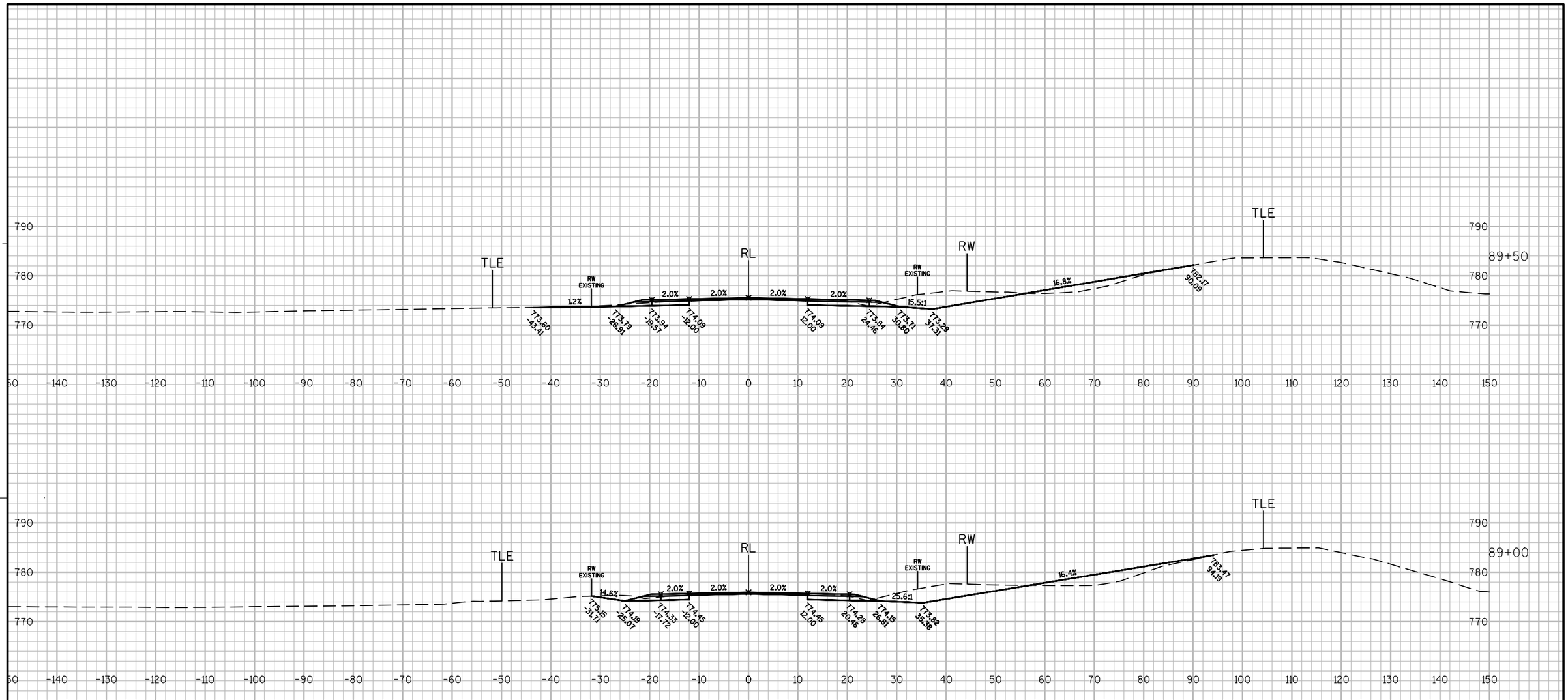


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 513	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHITE RIVER STATE TRAIL	SHEET 514	E

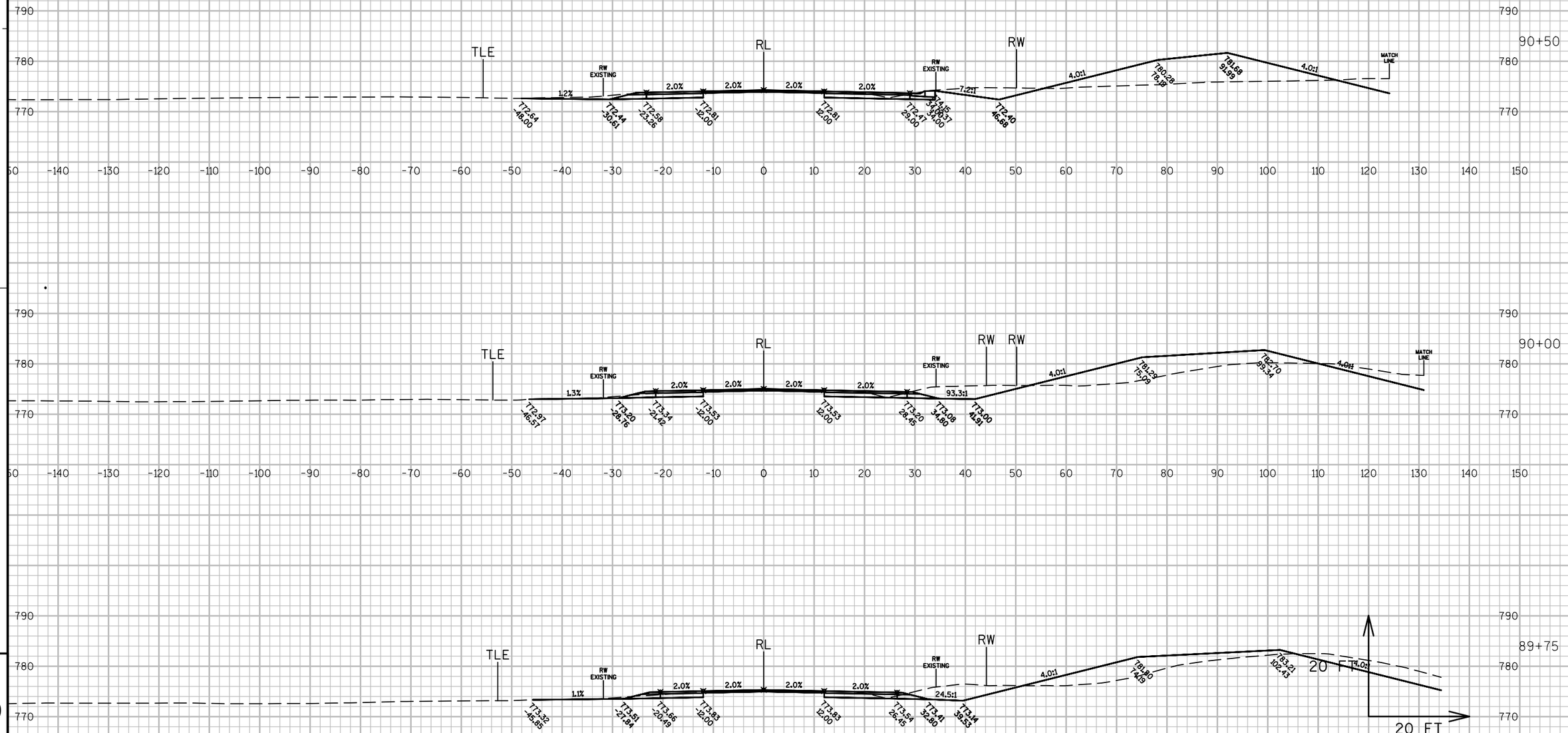
FILE NAME : K:\1102726.02\CADD\CIVIL3D\33700570\SHEETSPLAN\090204_XS.DWG PLOT DATE : 9/28/2016 11:13 AM PLOT BY : BECKENDORF, RANDY PLOT NAME : PLOT SCALE : *********
WISDOT/CADDS SHEET 49



9

9

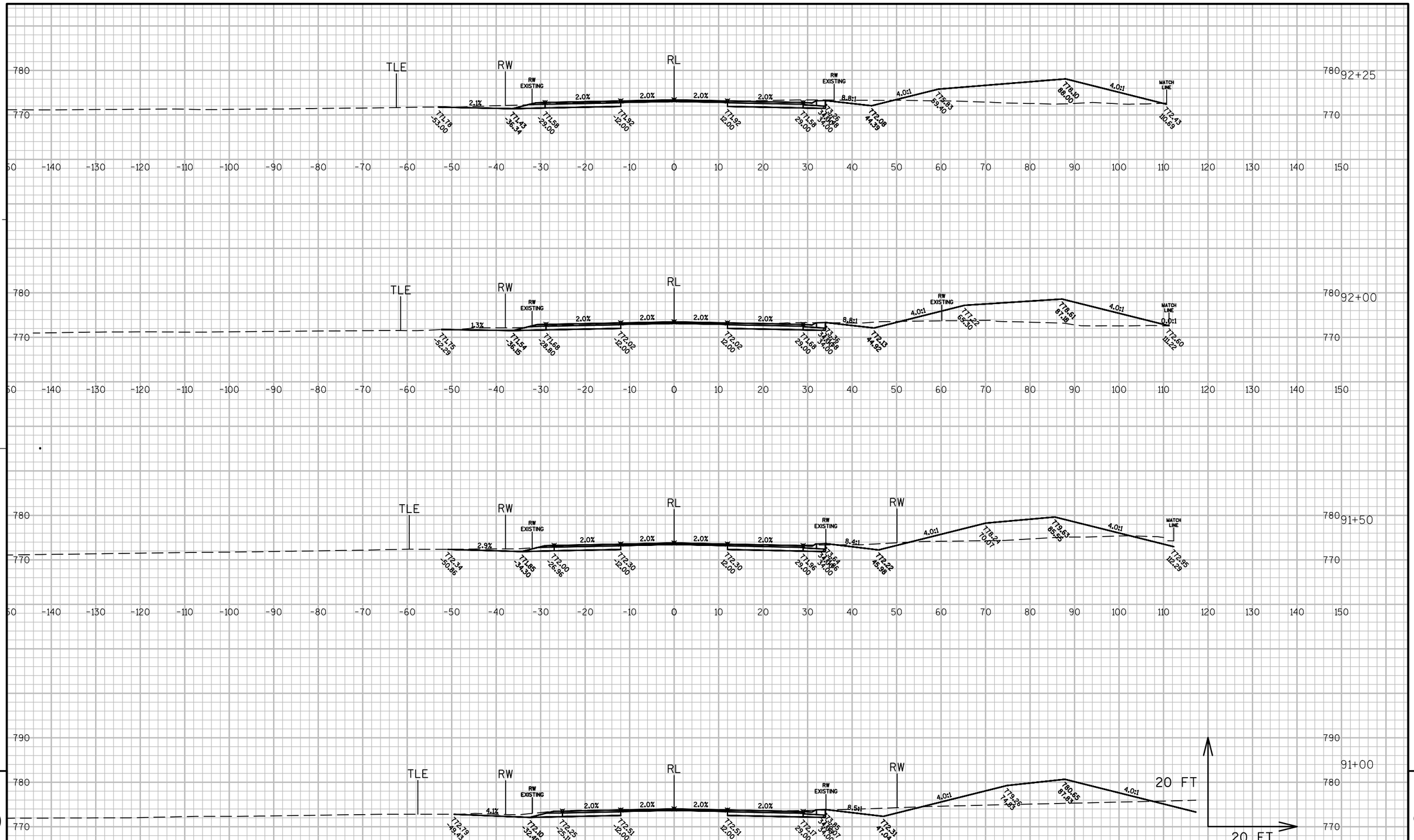
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 515	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 516	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (61)

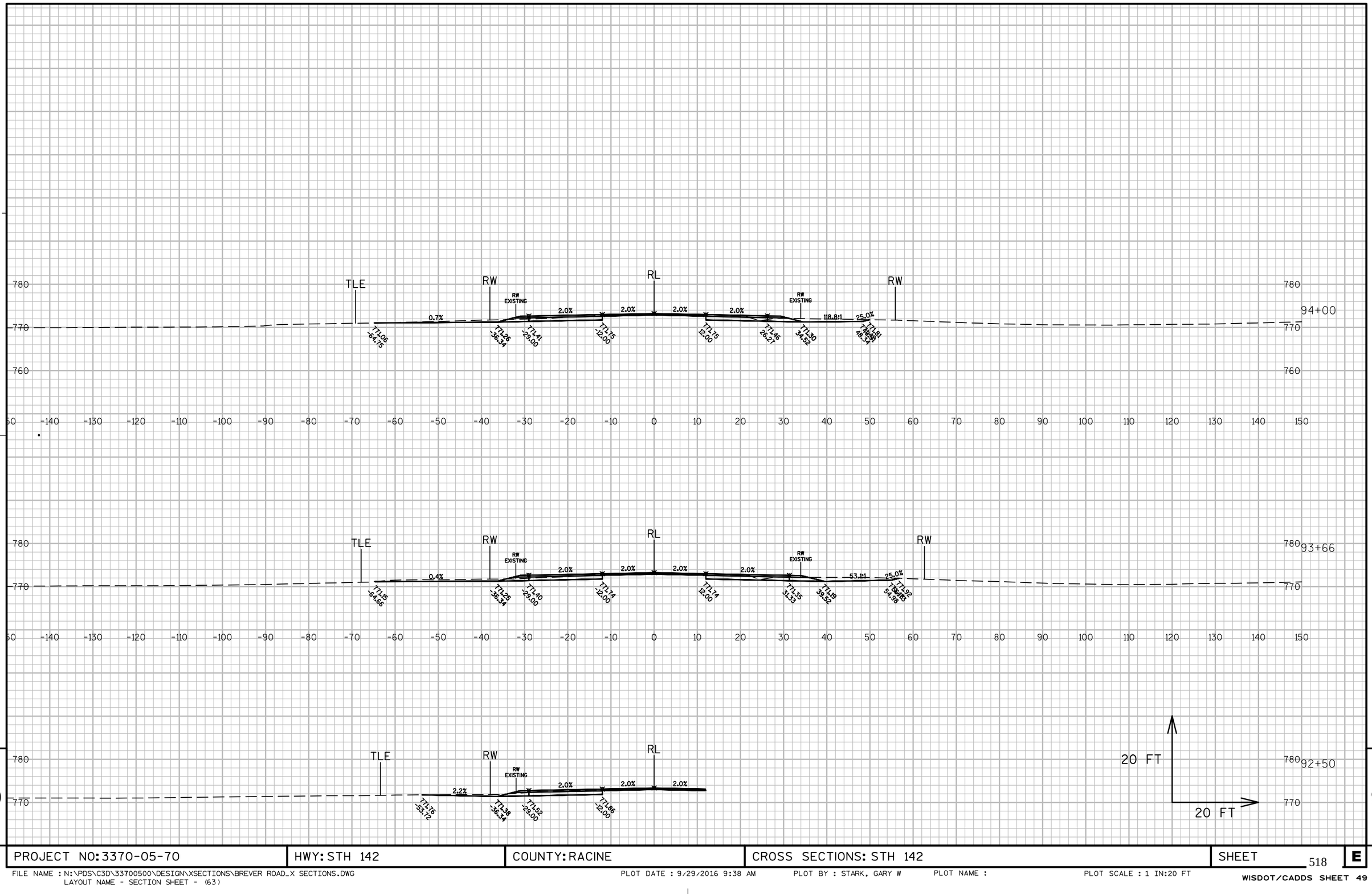
PLOT DATE : 9/29/2016 9:38 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 517	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (62)

PLOT DATE : 9/29/2016 9:38 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

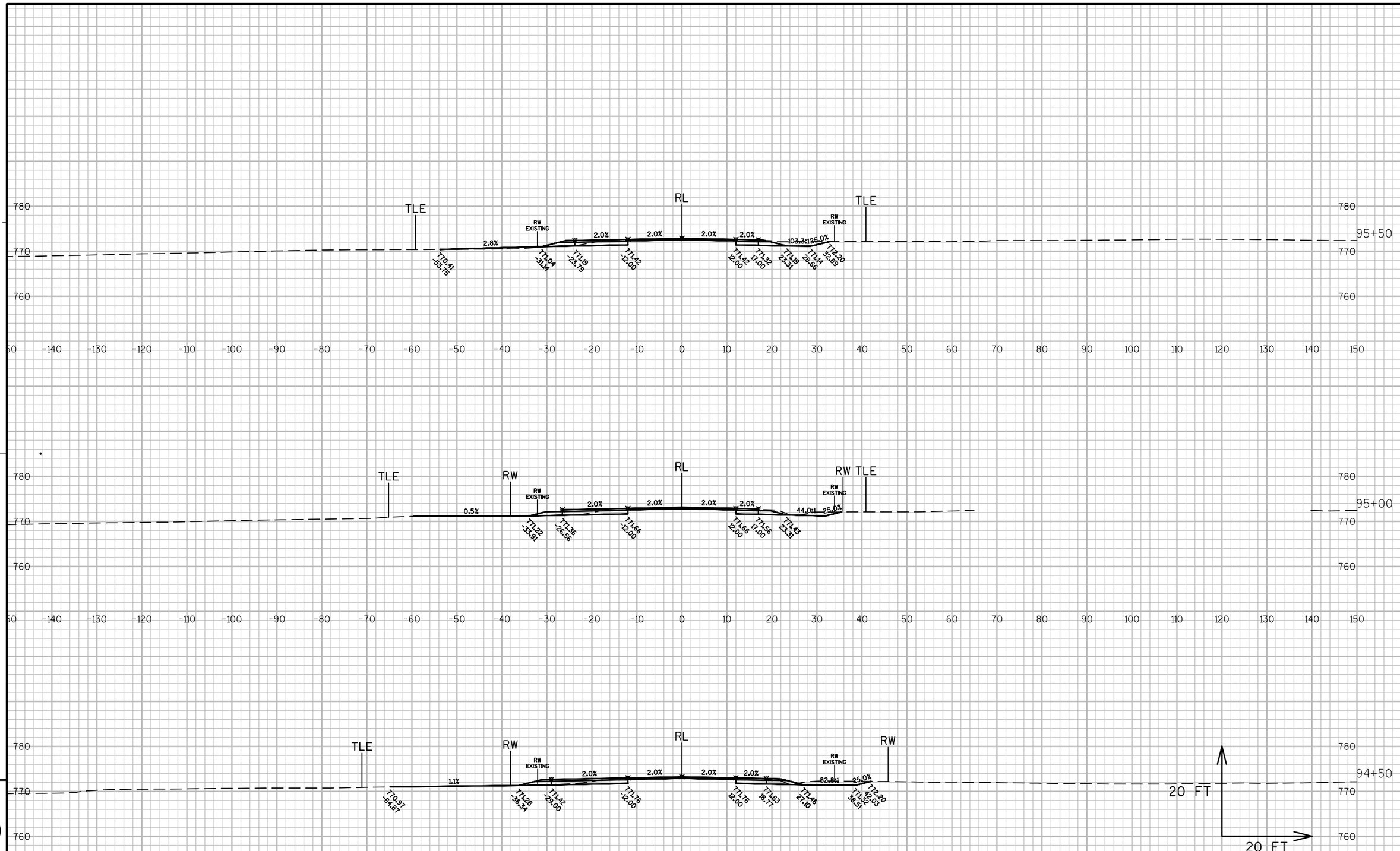
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 518	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (63)

PLOT DATE : 9/29/2016 9:38 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



9

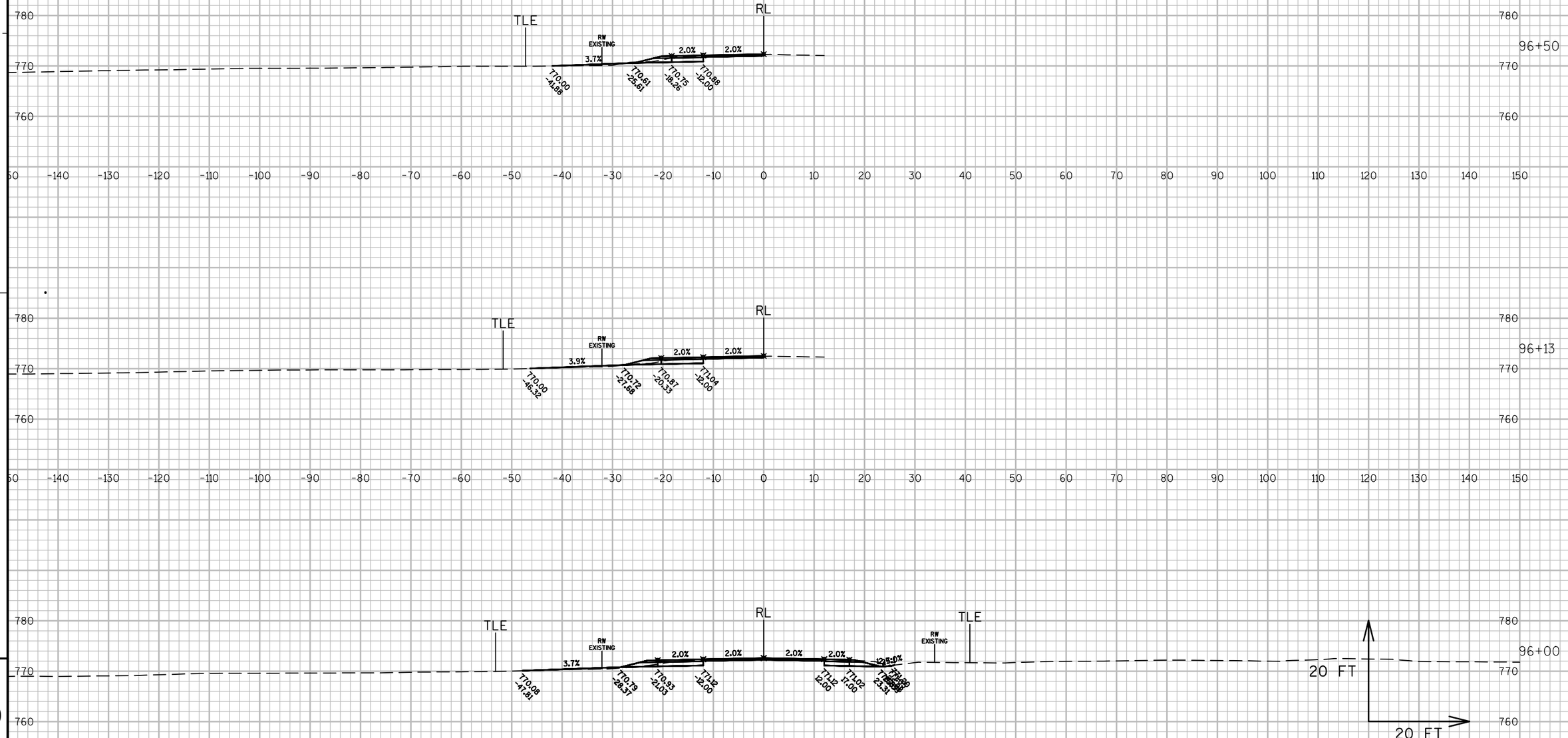
9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 519	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (64)

PLOT DATE : 9/29/2016 9:39 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT

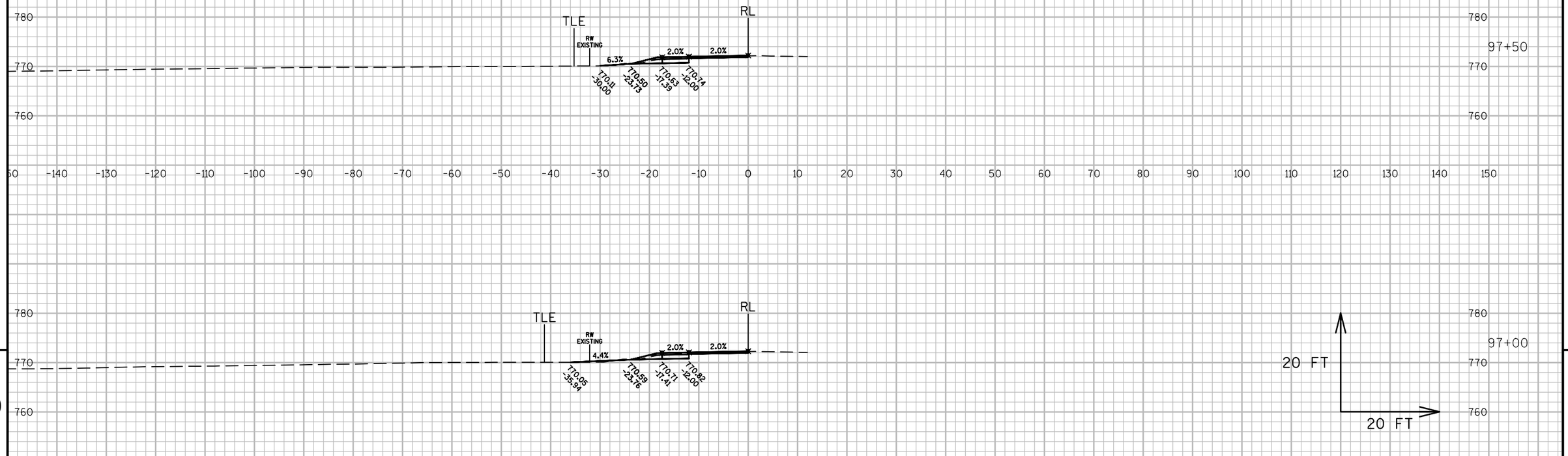
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 520	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (65)

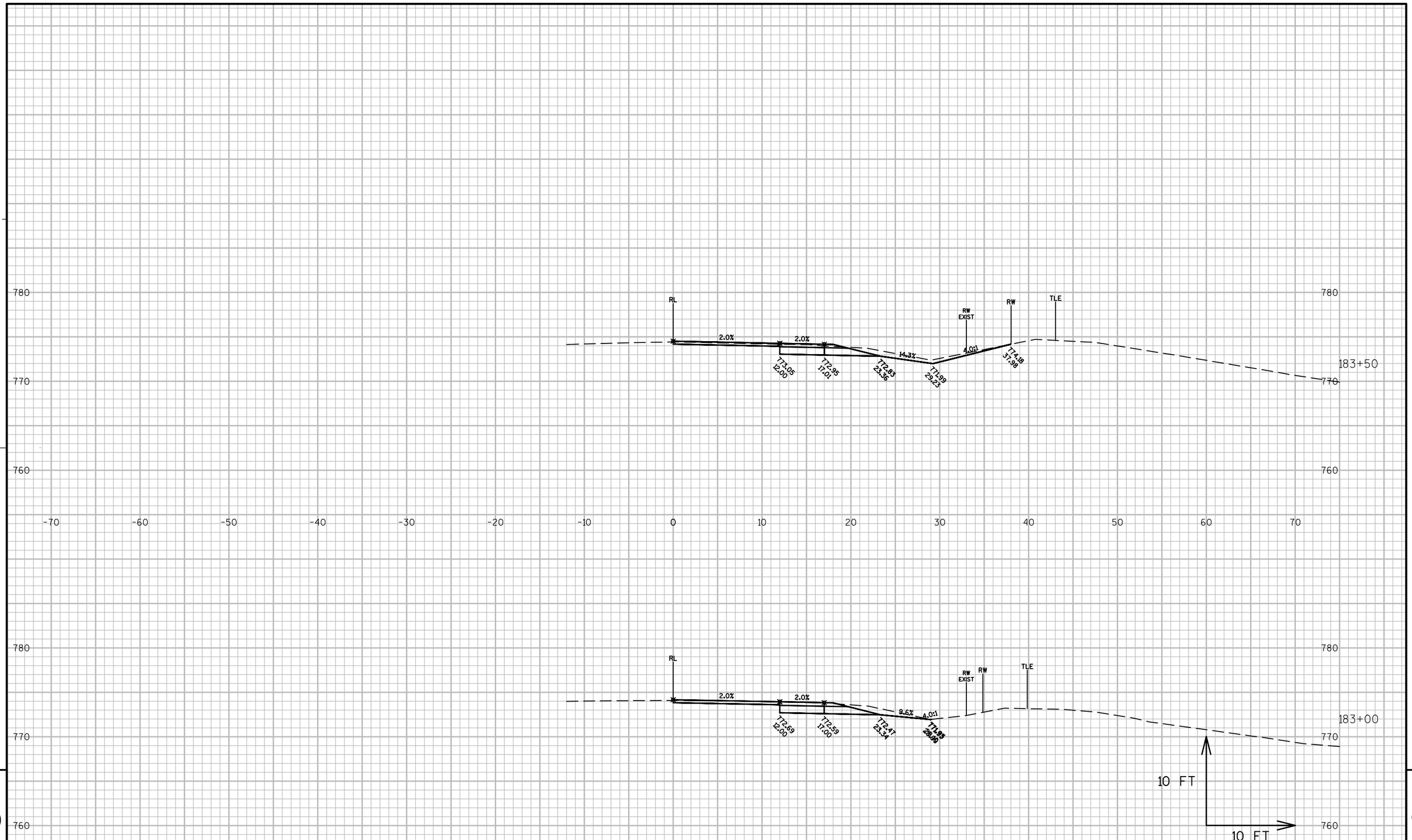
PLOT DATE : 9/29/2016 9:39 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT



9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 521	E

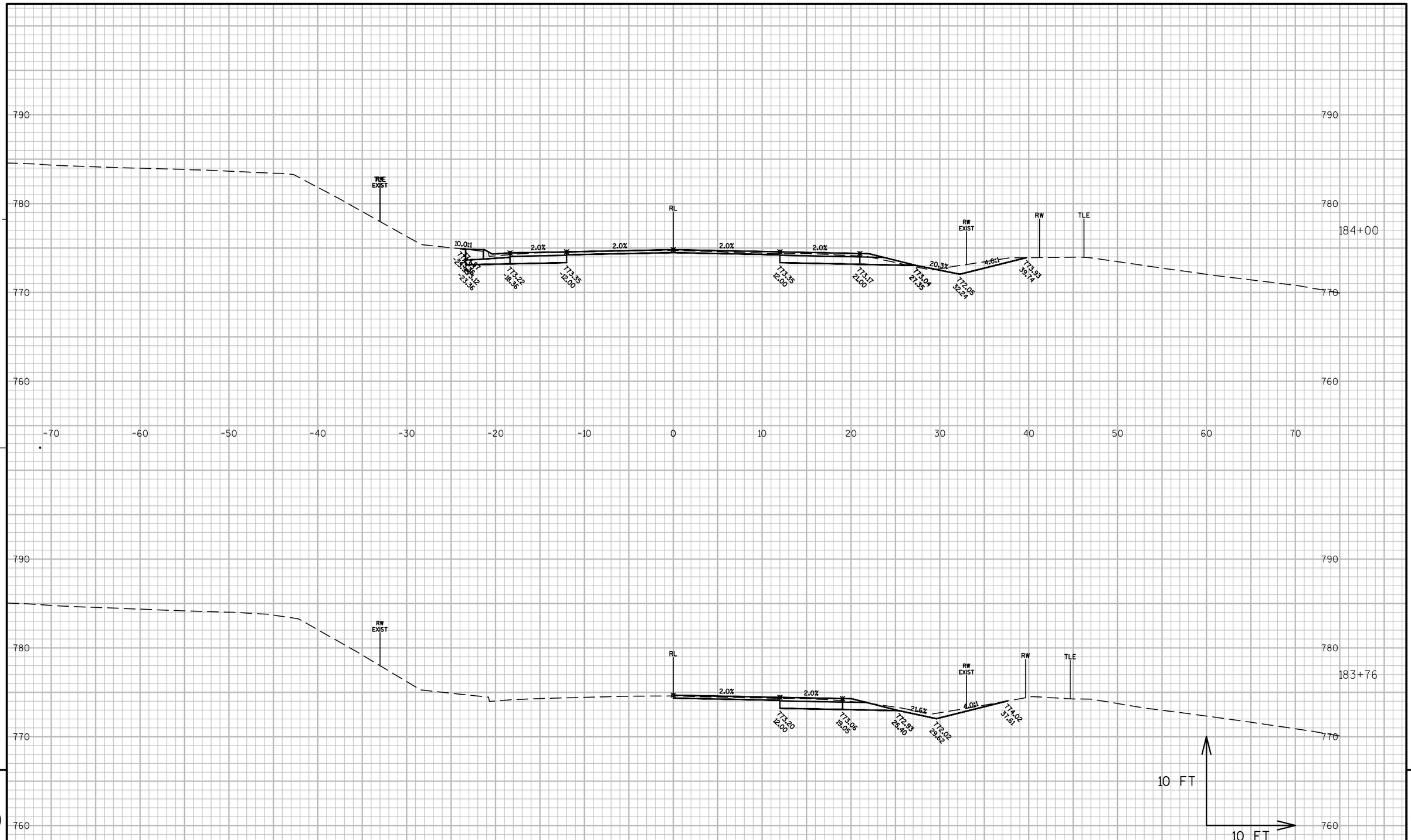


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 522	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (47)

PLOT DATE : 9/29/2016 9:59 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

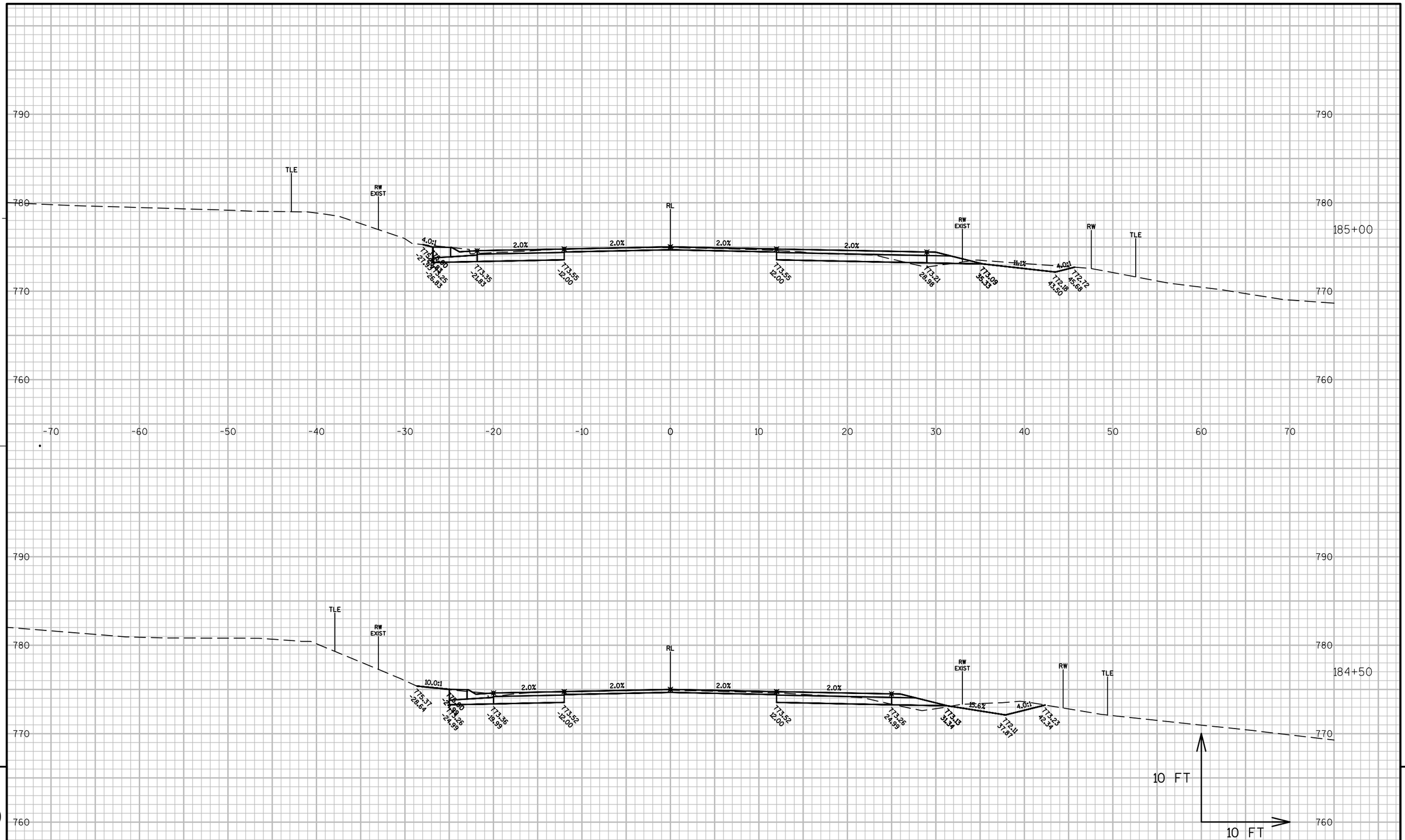


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 523	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (48)

PLOT DATE : 9/29/2016 9:59 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

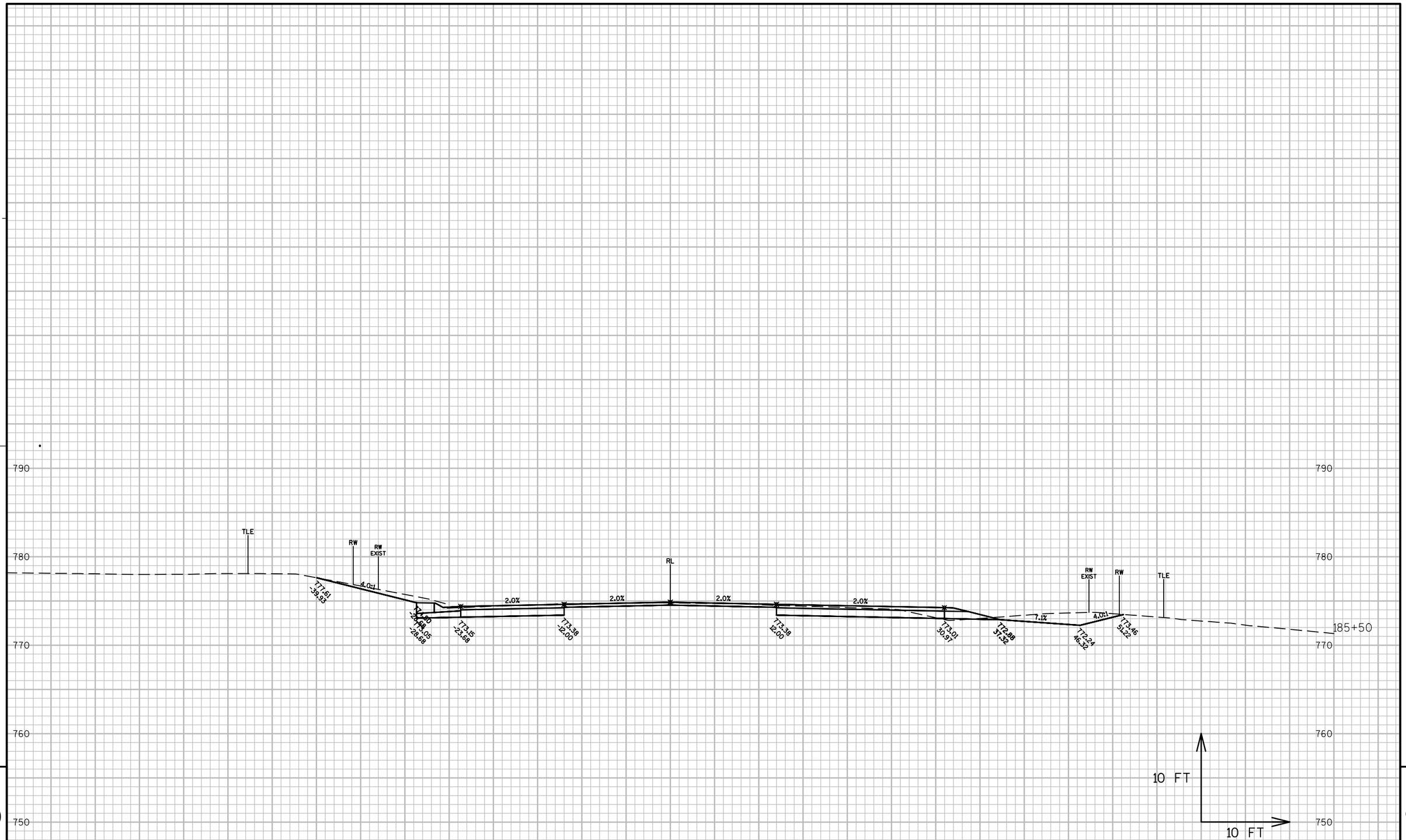
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 524	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (49)

PLOT DATE : 9/29/2016 9:59 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



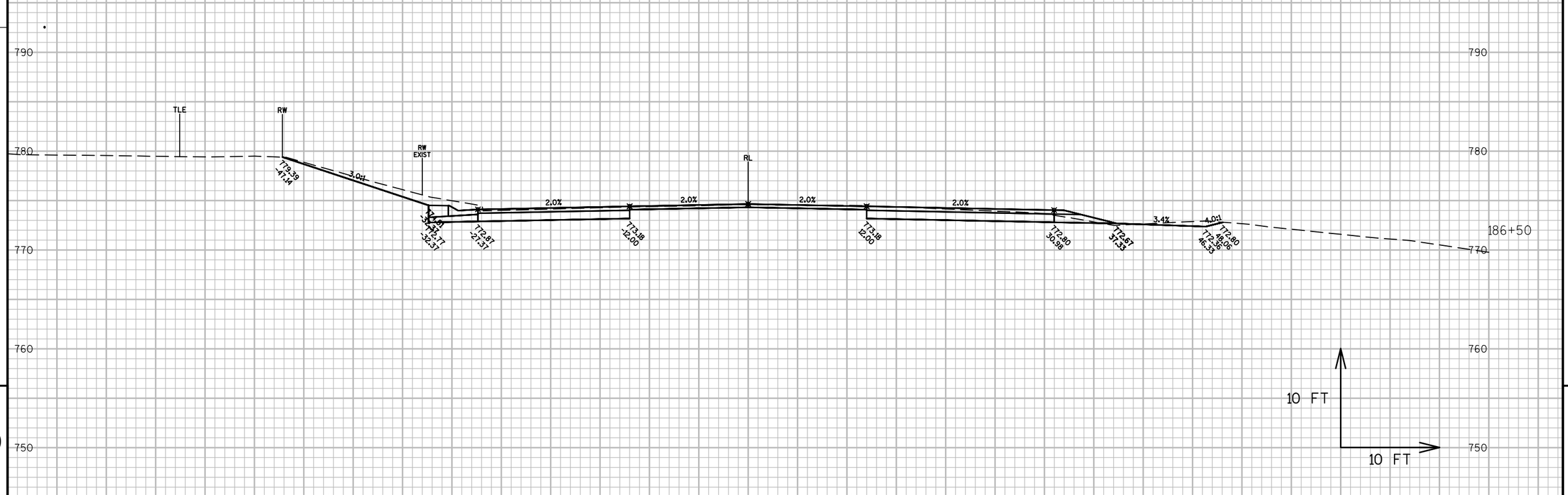
9

9

PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 525	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (50)

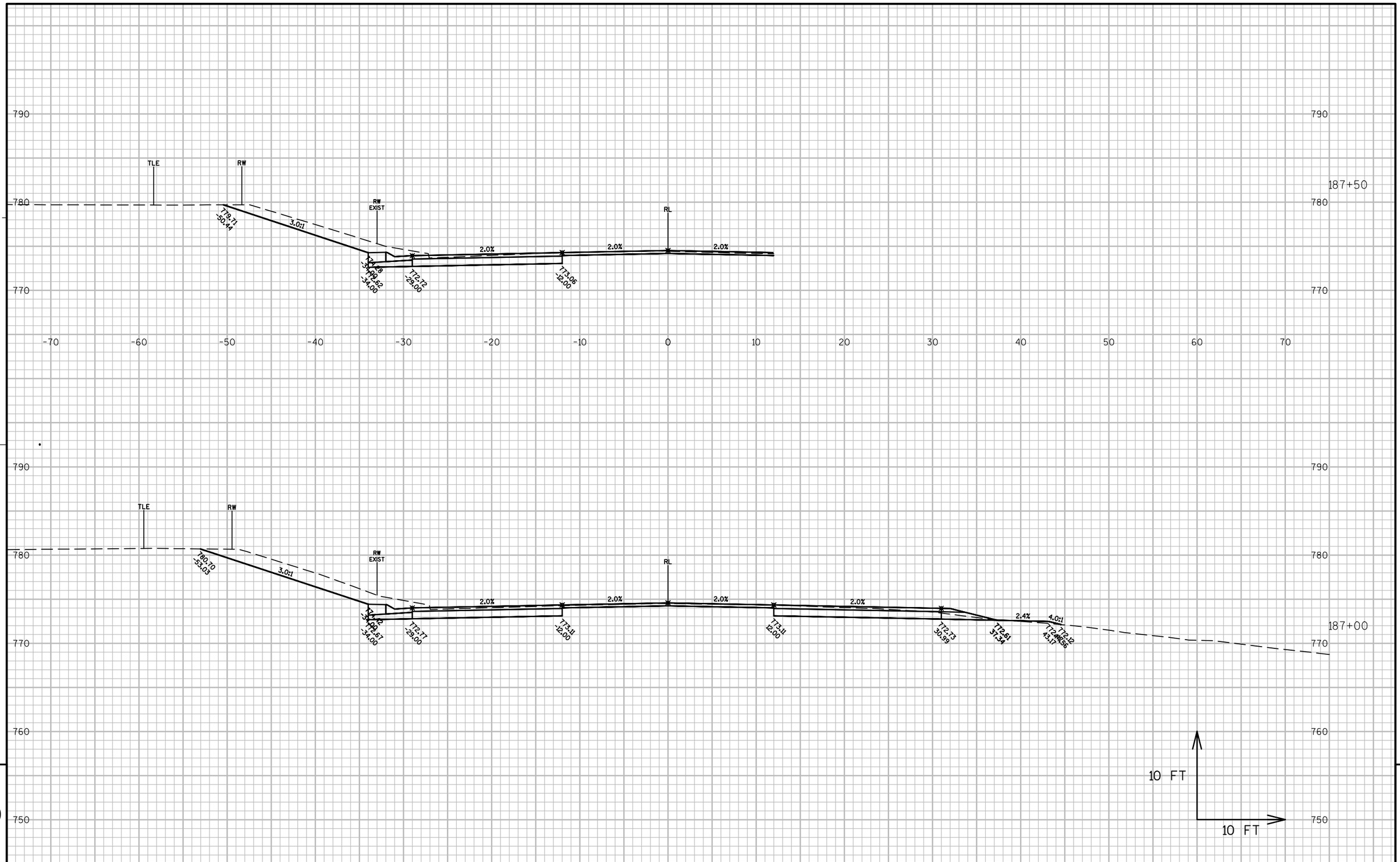
PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 526	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (51)

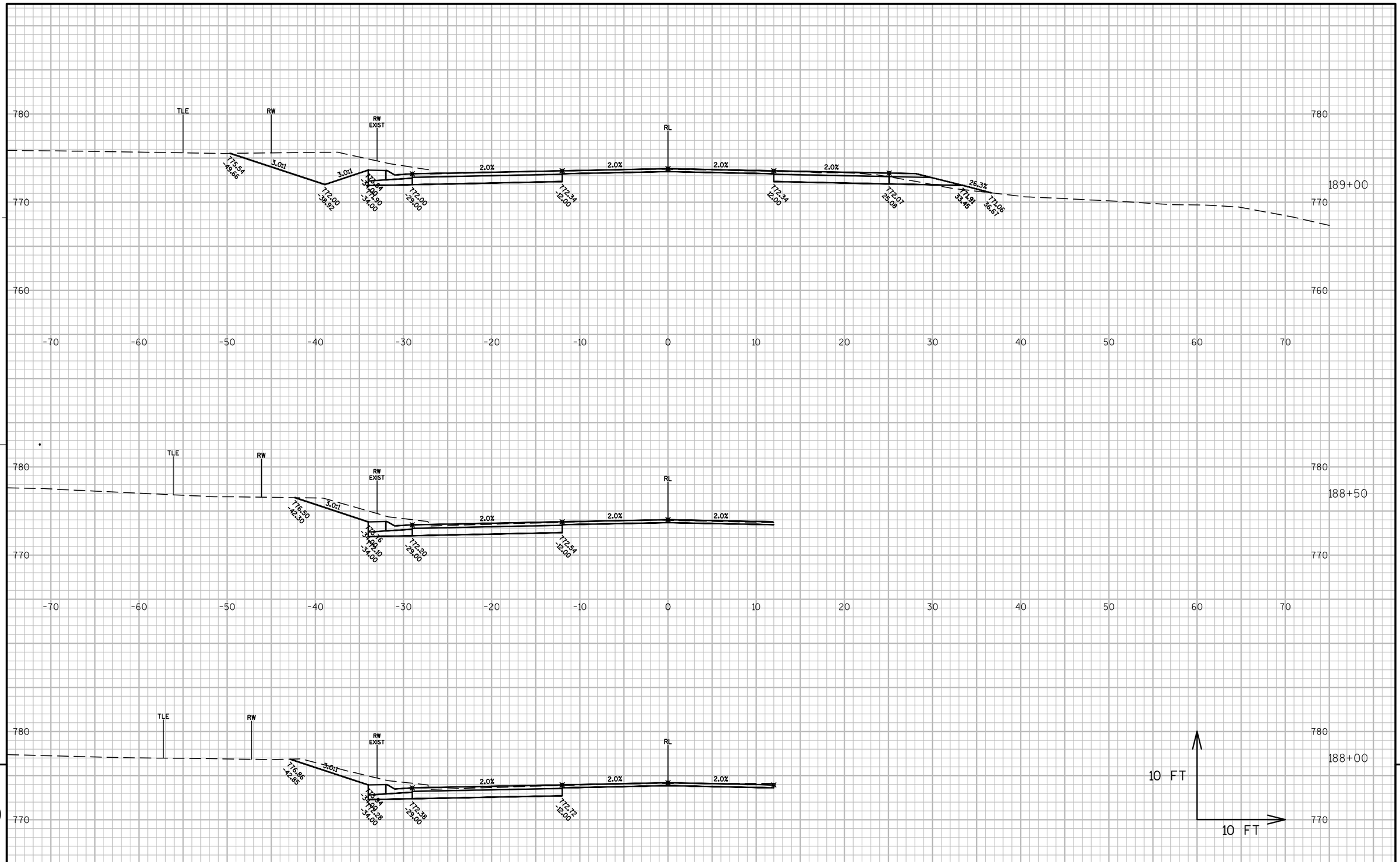
PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 527	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (52)

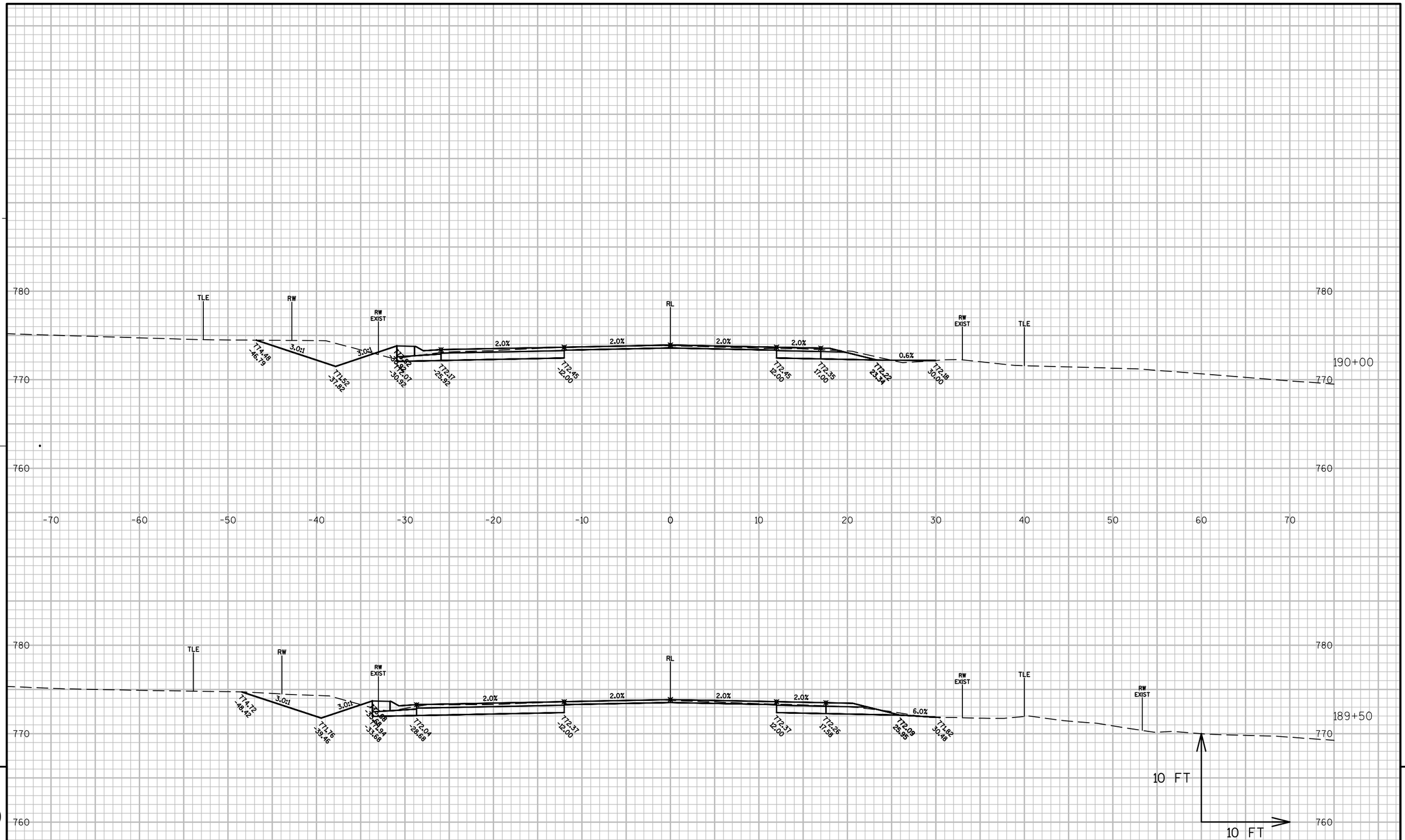
PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 528	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (53)

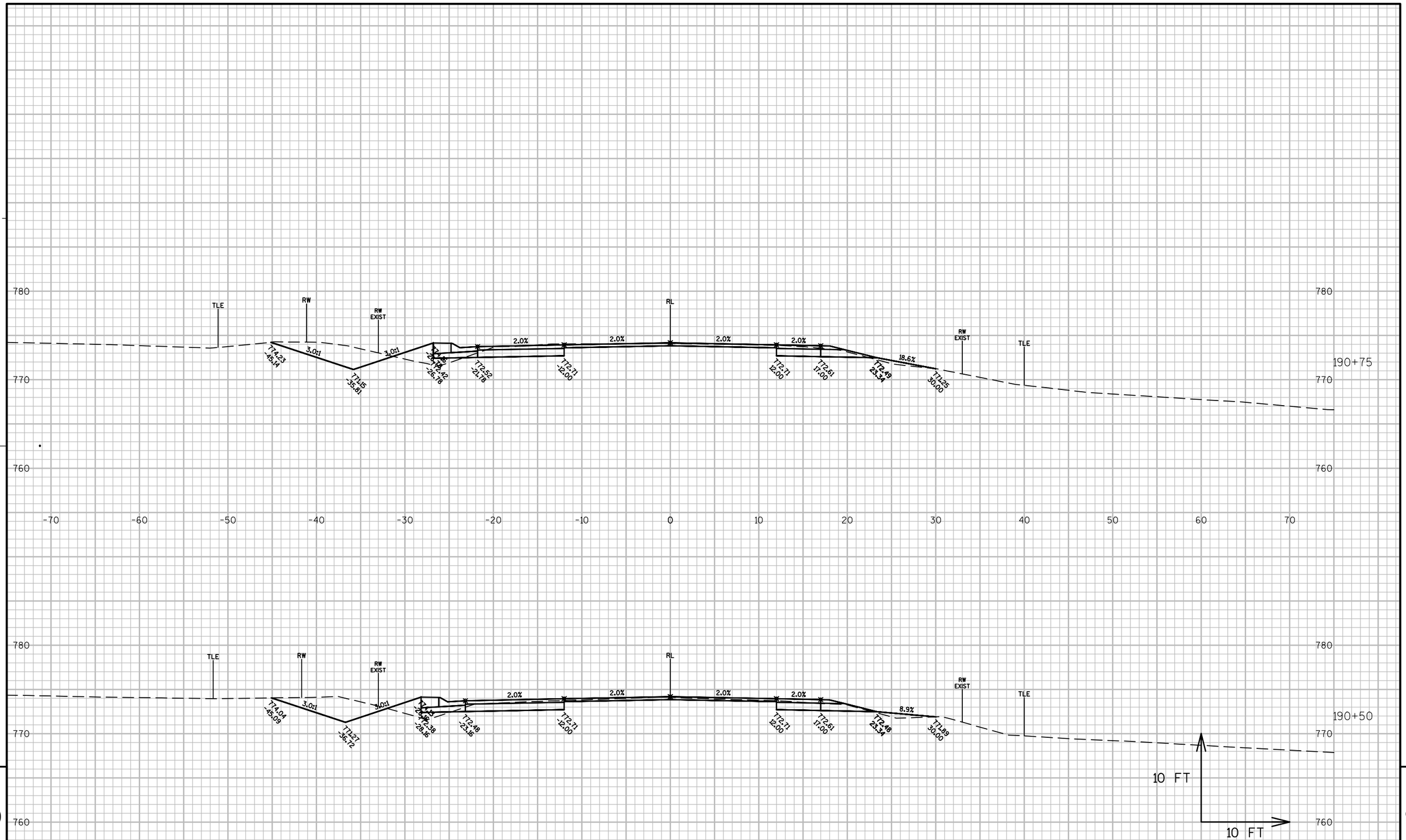
PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 529	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (54)

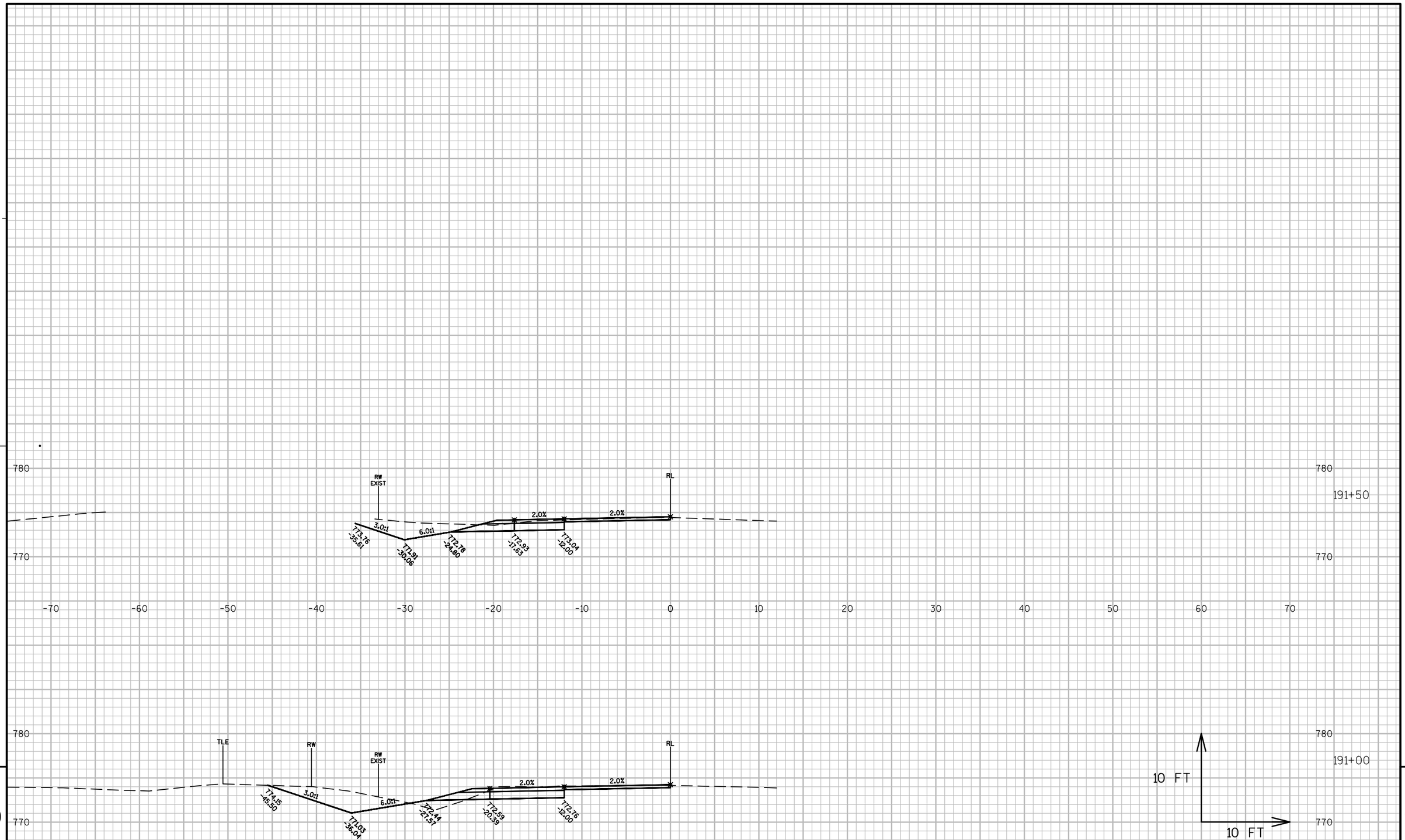
PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 530	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (55)

PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

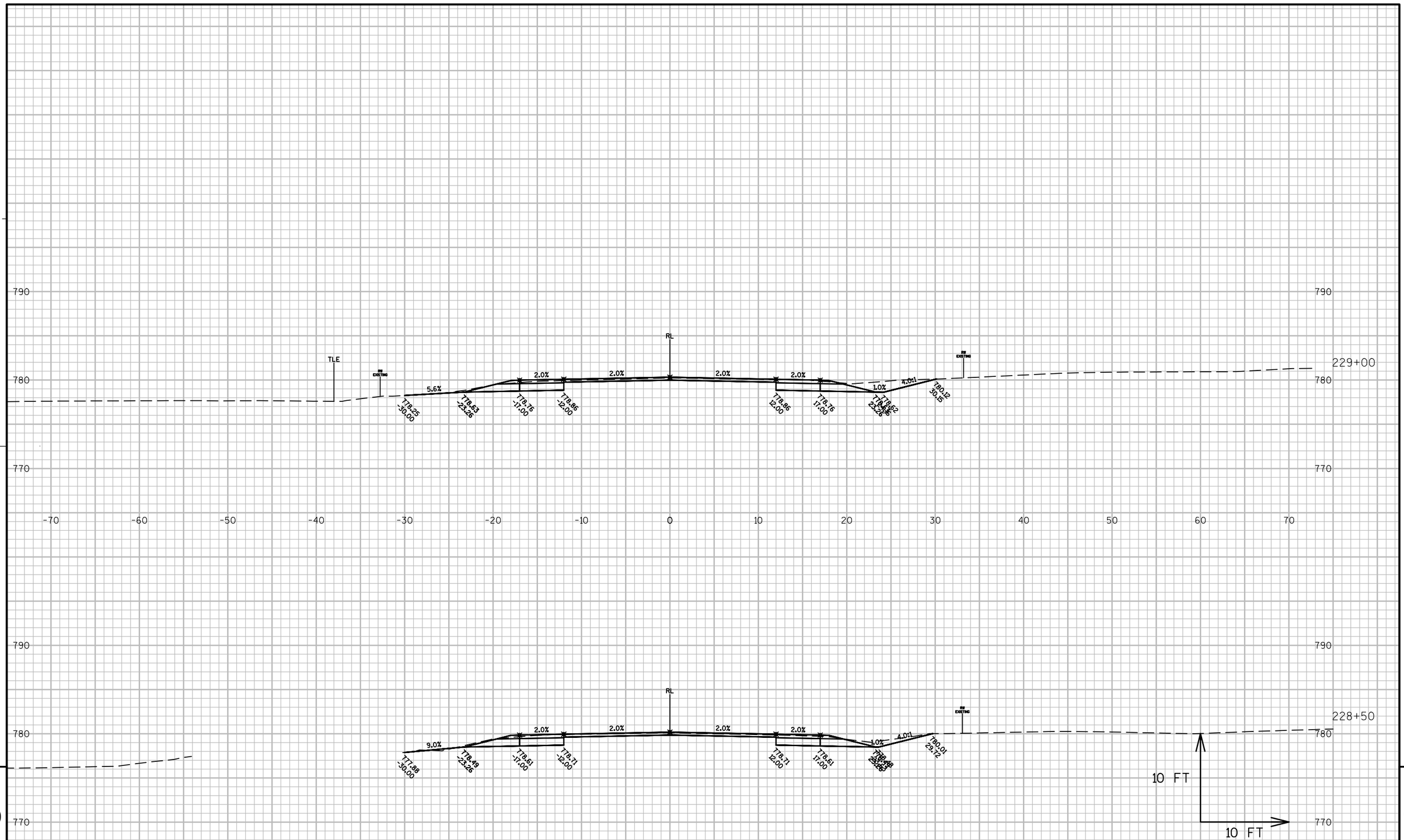


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 531	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (56)

PLOT DATE : 9/29/2016 10:00 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

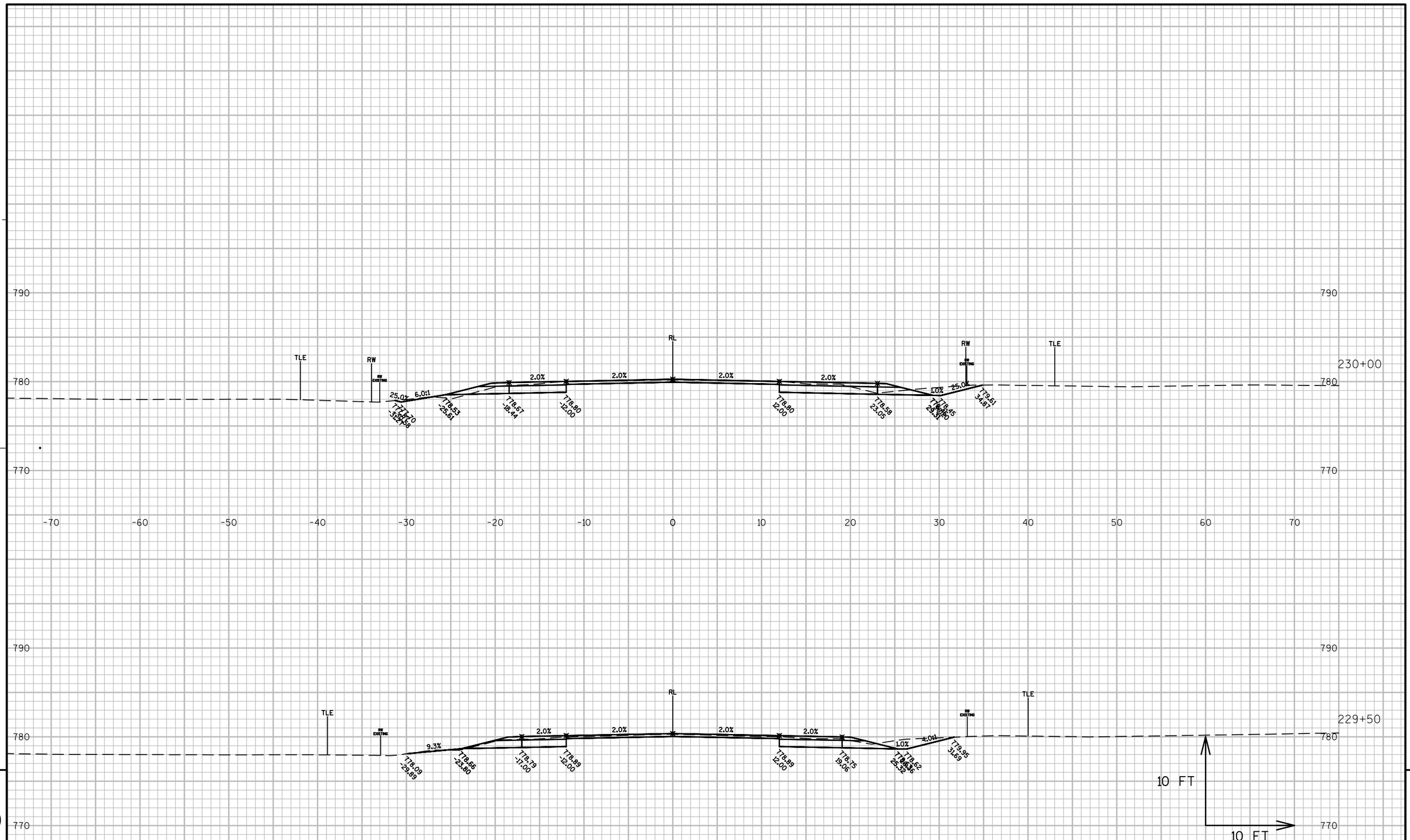
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 532	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 9/29/2016 10:17 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

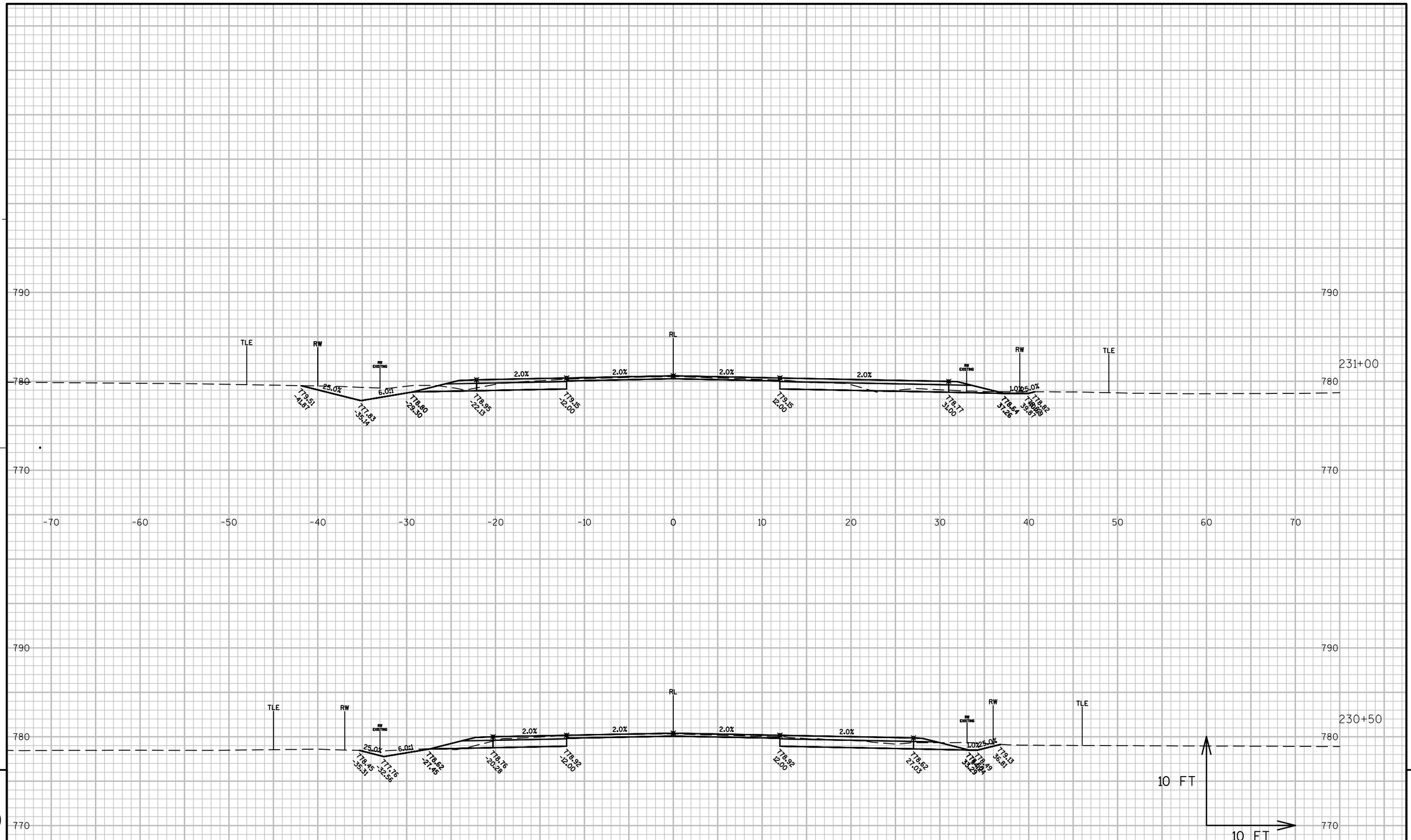


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 533	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (19)

PLOT DATE : 9/29/2016 10:17 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

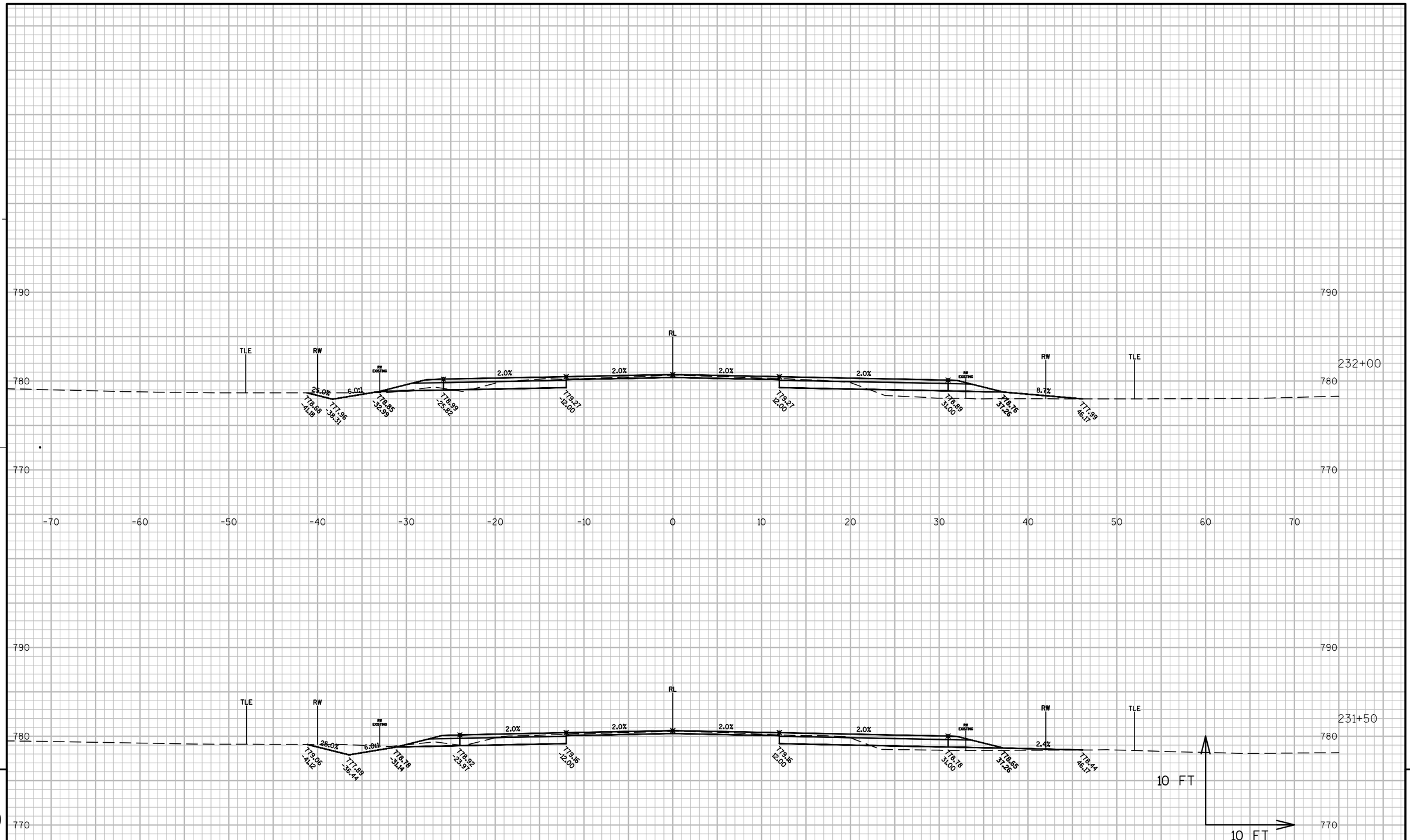


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 534	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 9/29/2016 10:17 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

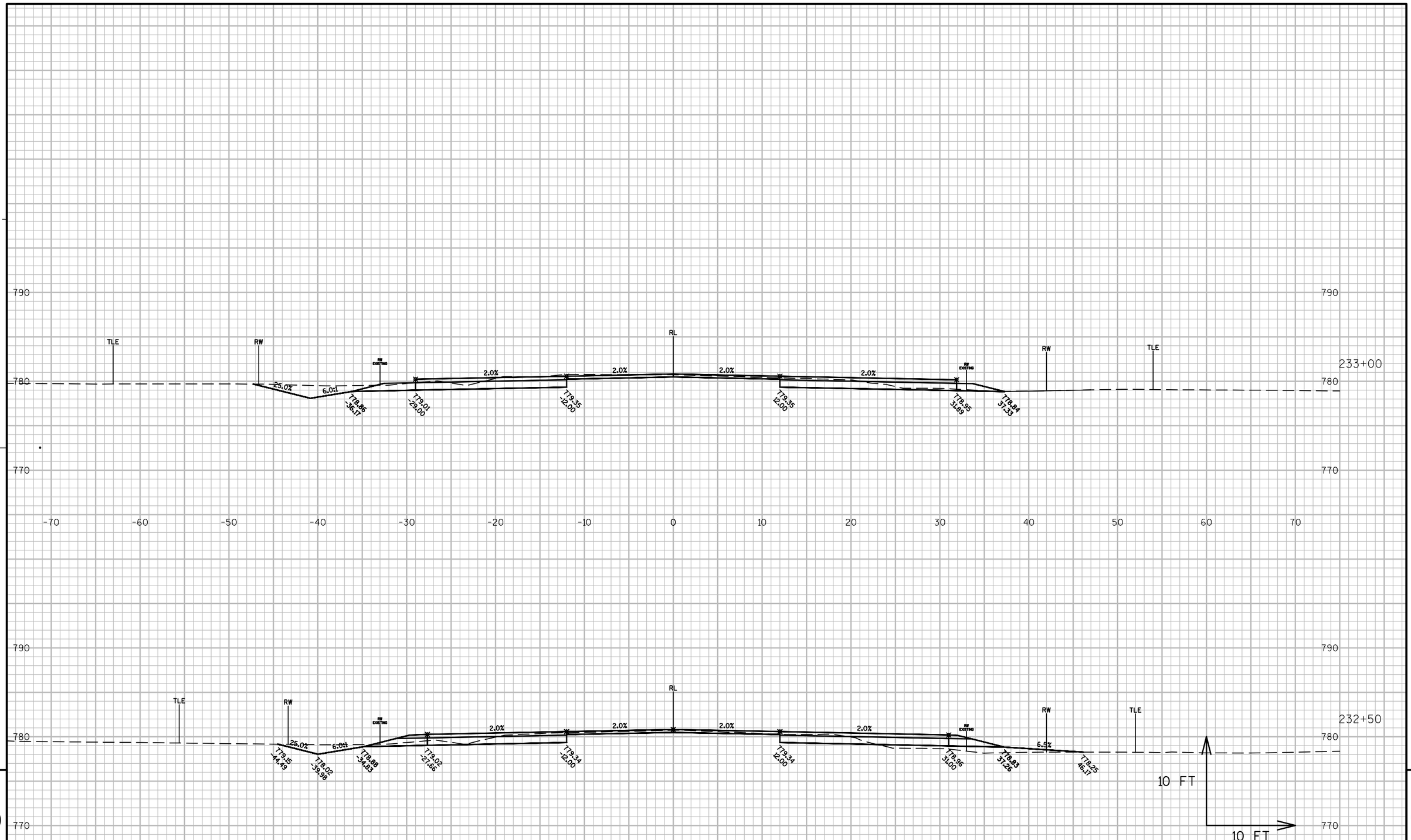


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 535	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (21)

PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

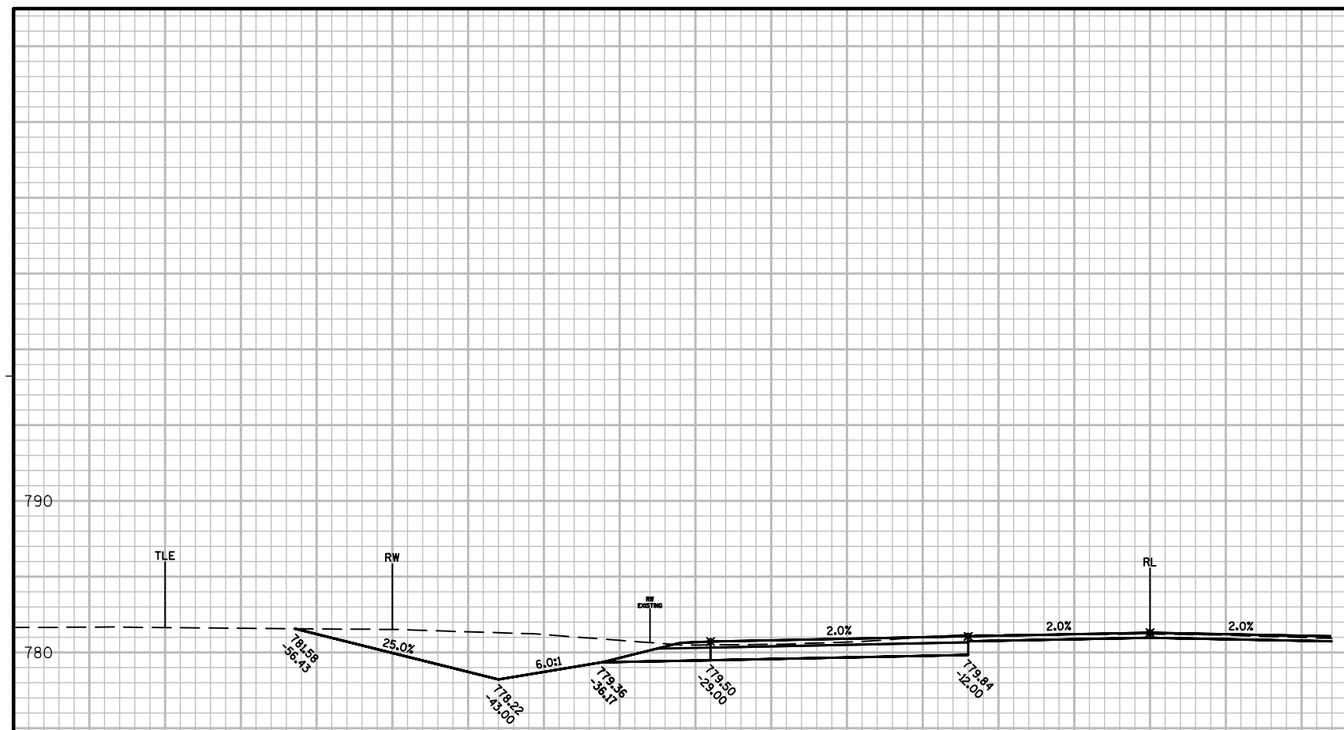


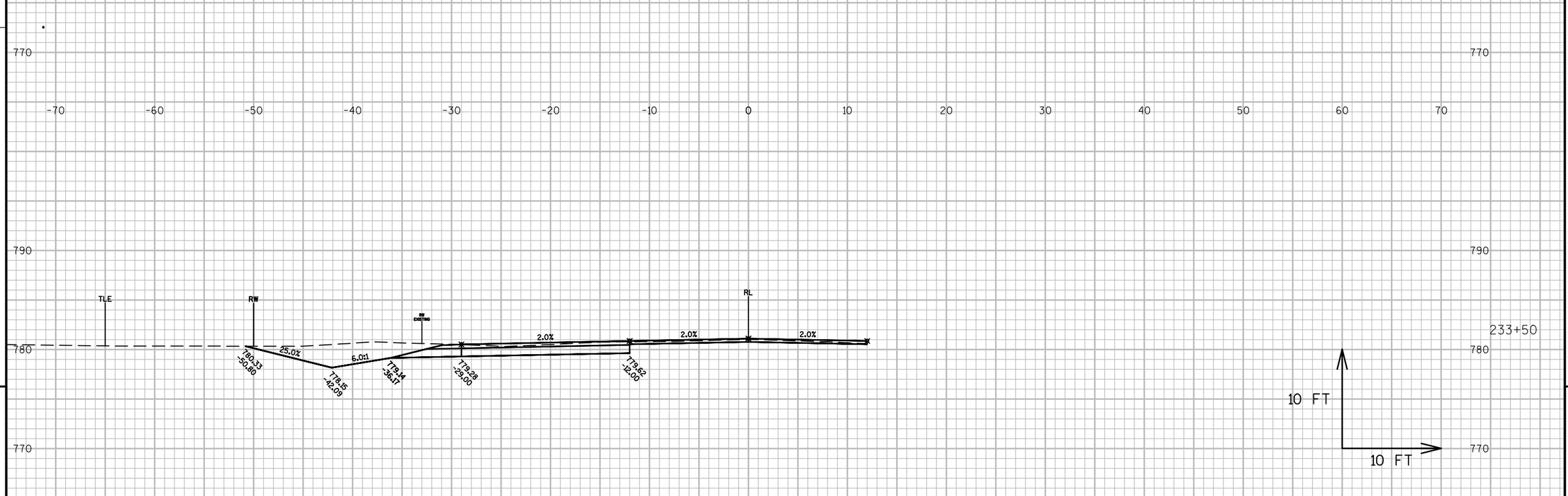
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 536	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49





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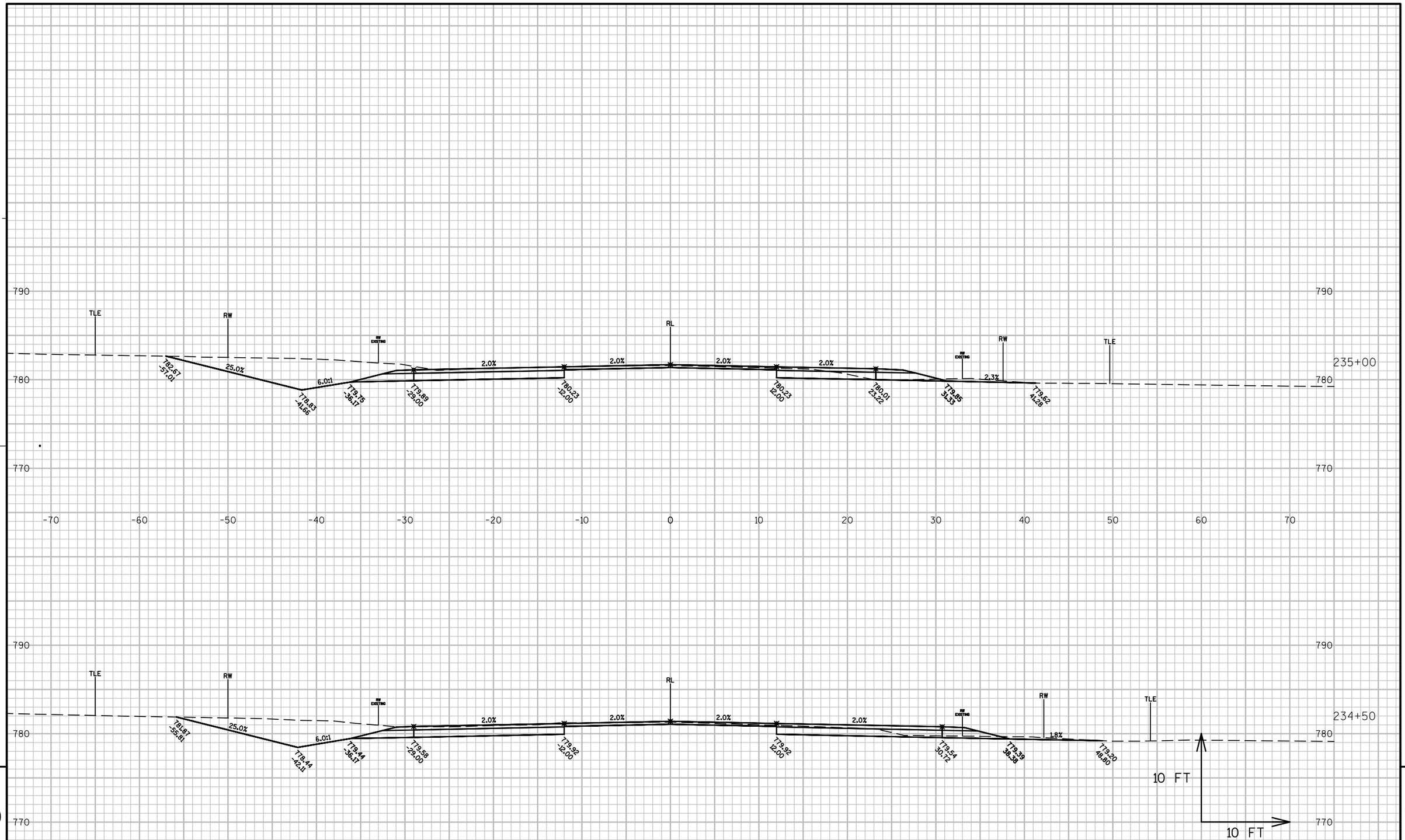
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 537	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (23)

PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

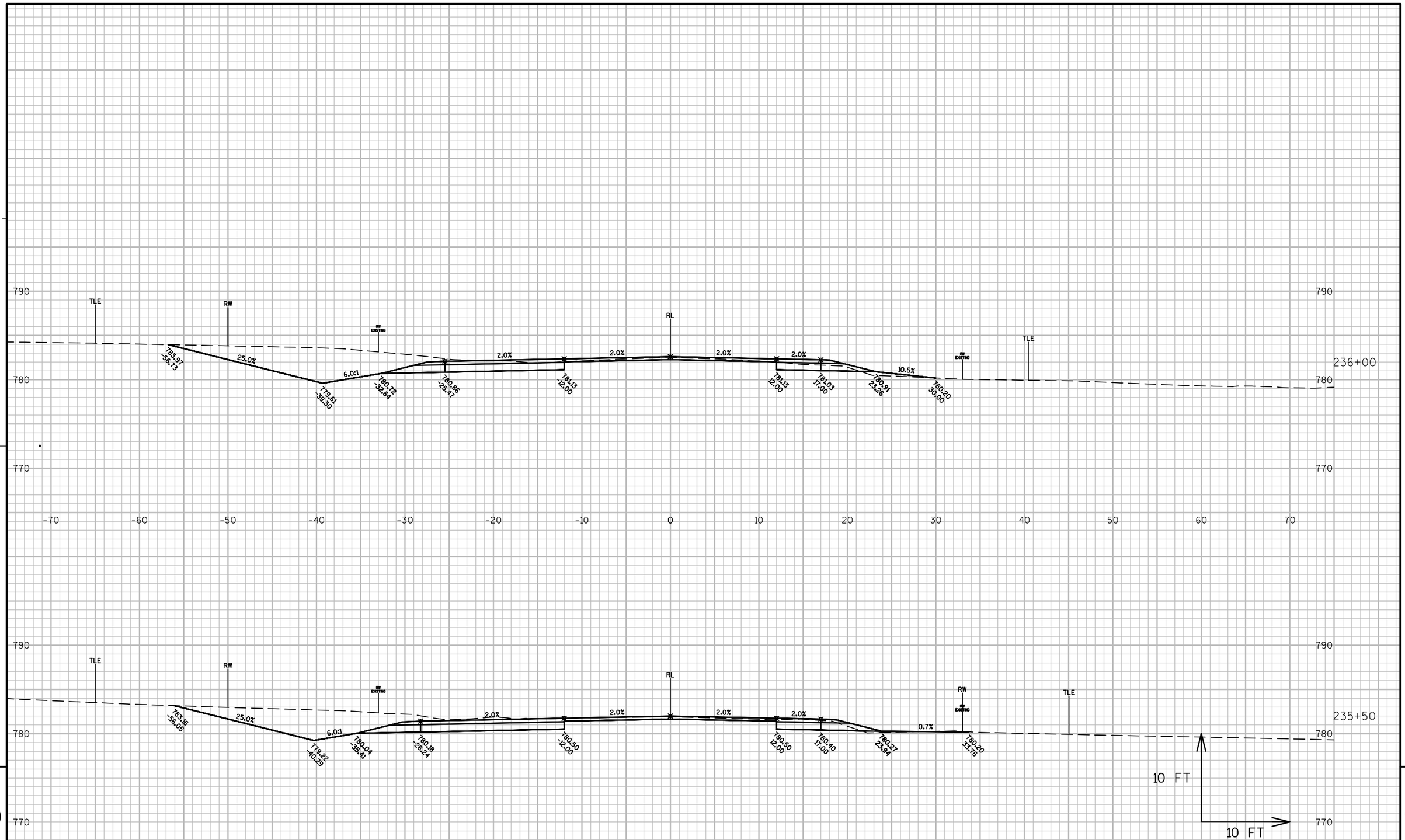


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 538	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (24)

PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

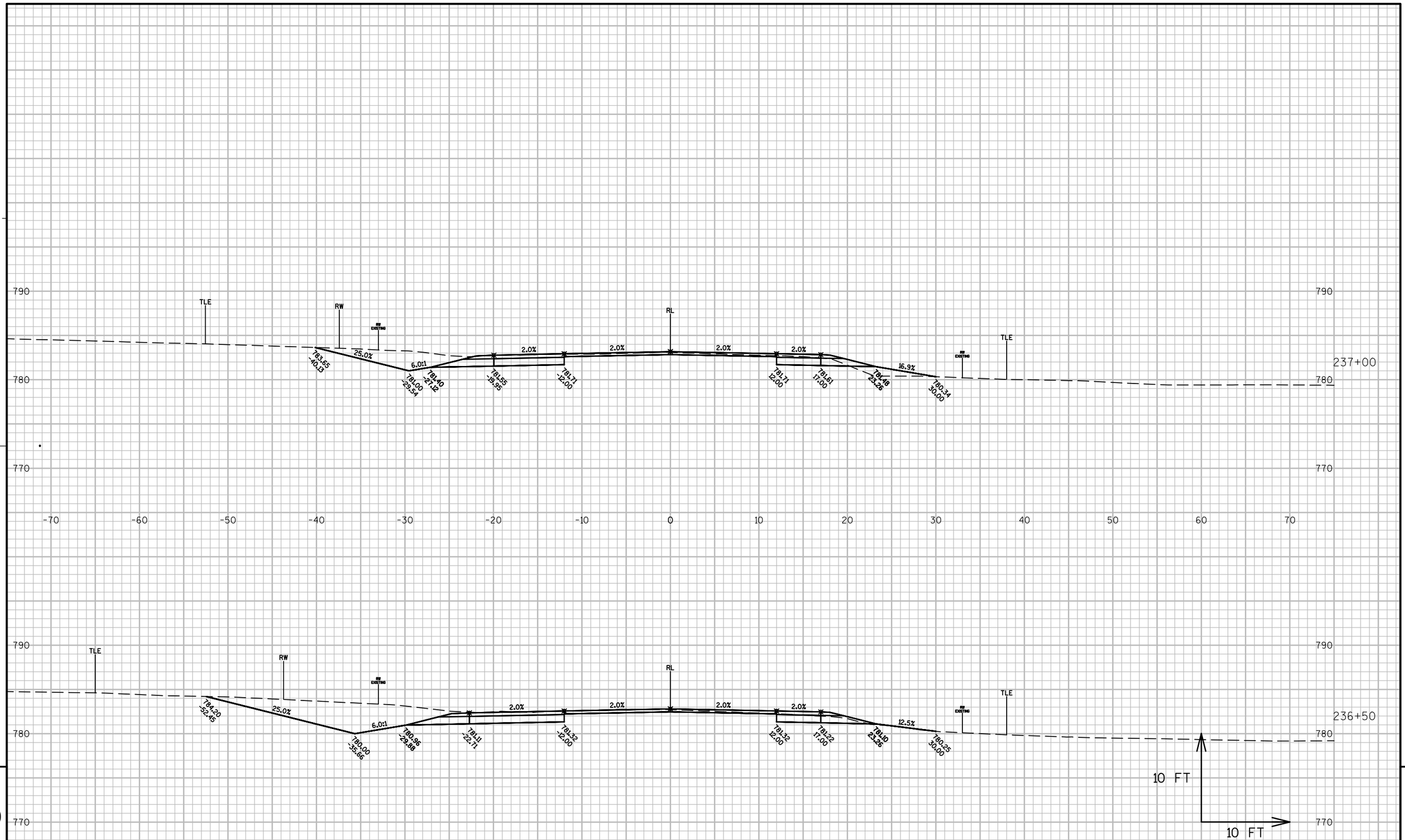


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 539	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (25)

PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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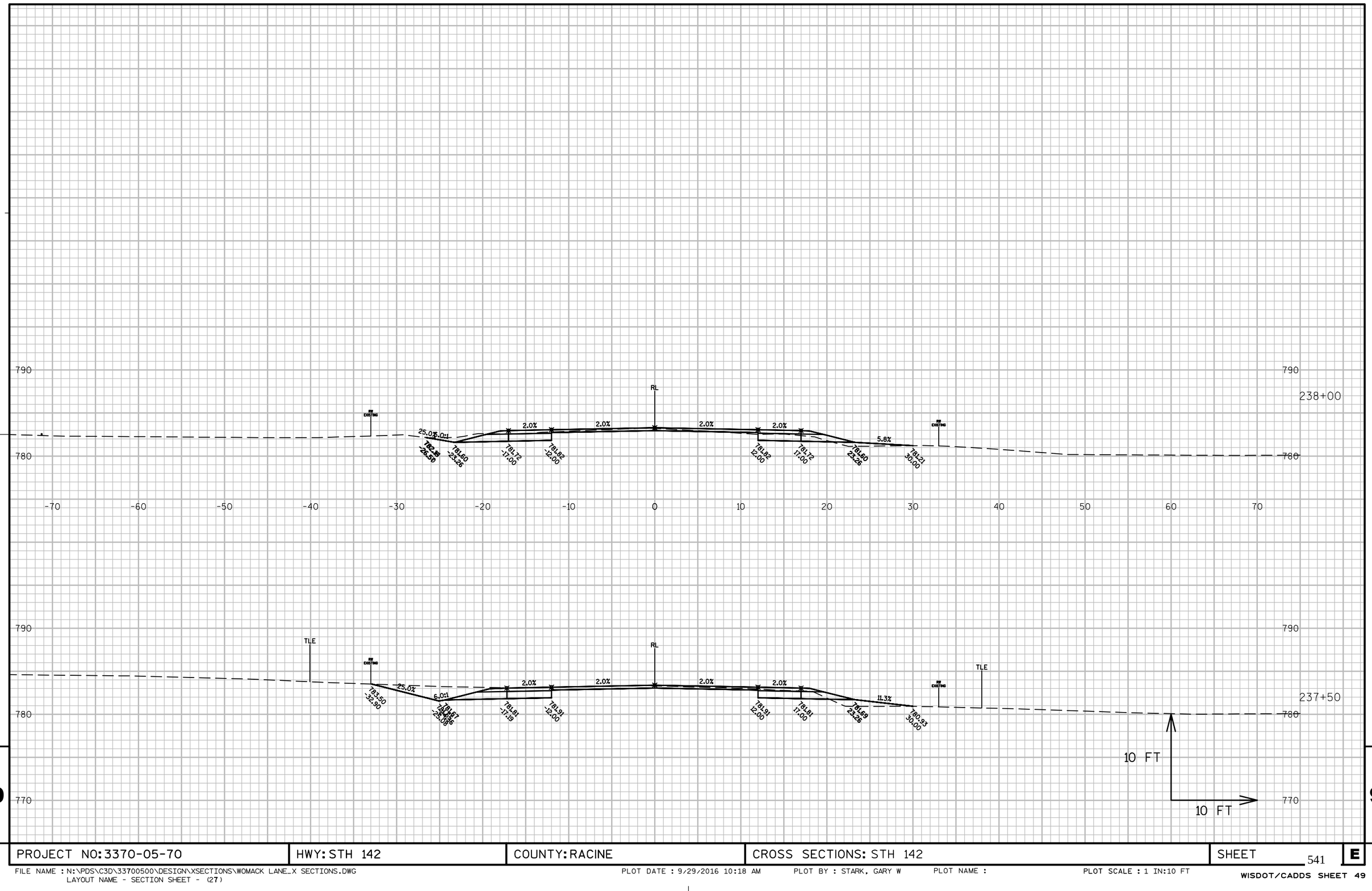
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 540	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (26)

PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



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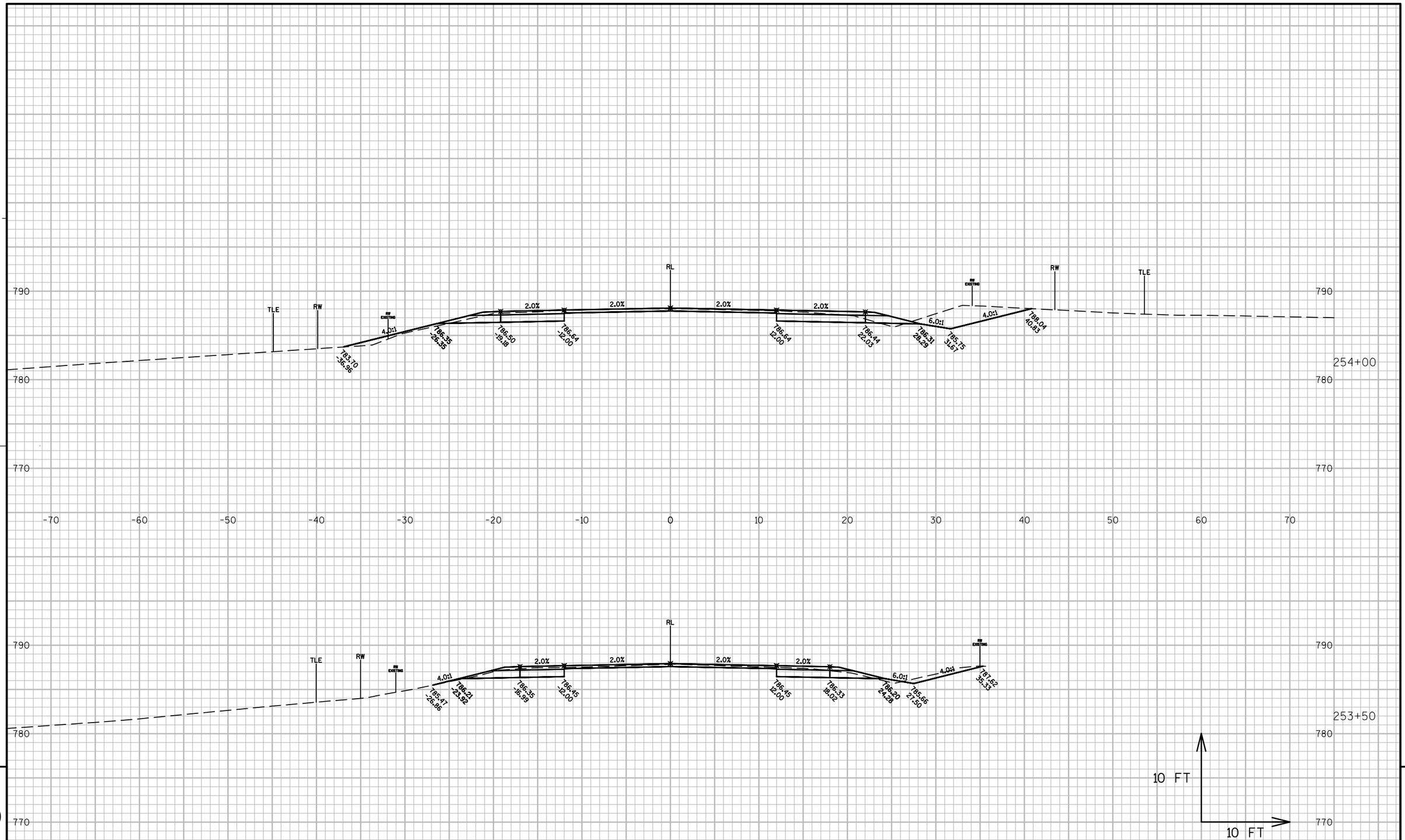
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 541	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (27)

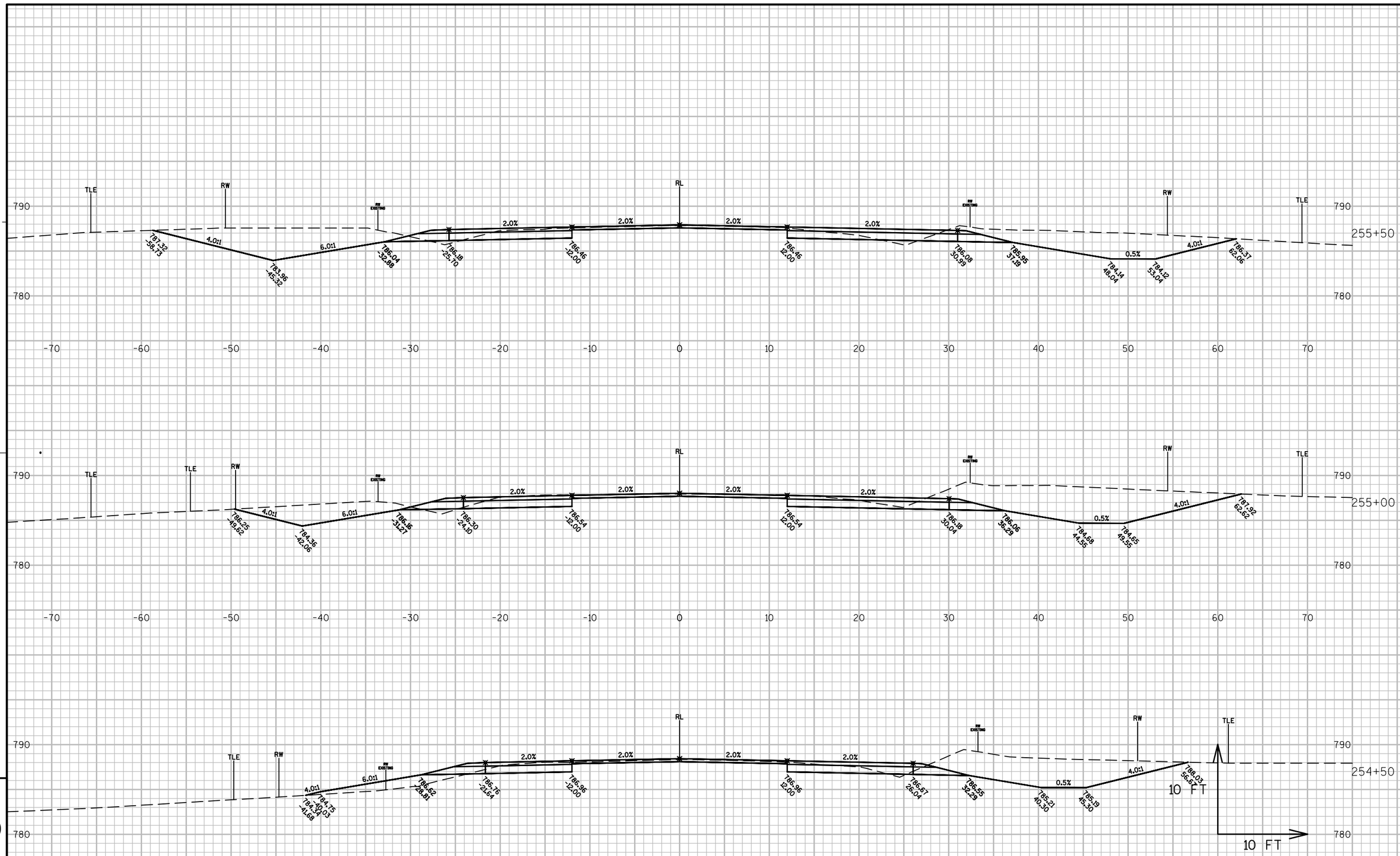
PLOT DATE : 9/29/2016 10:18 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 542	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (18)

PLOT DATE : 9/29/2016 10:28 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



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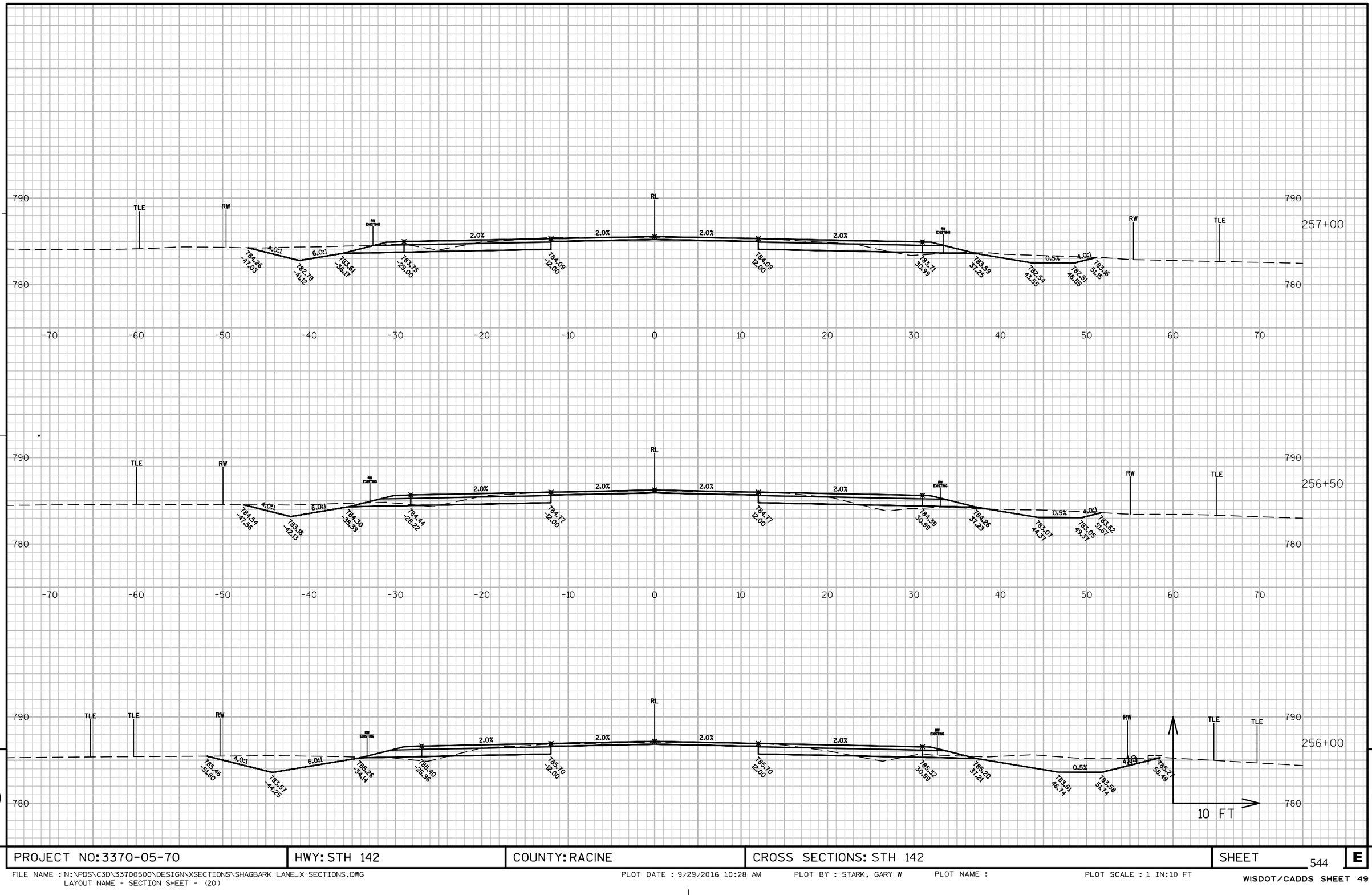
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 543	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (19)

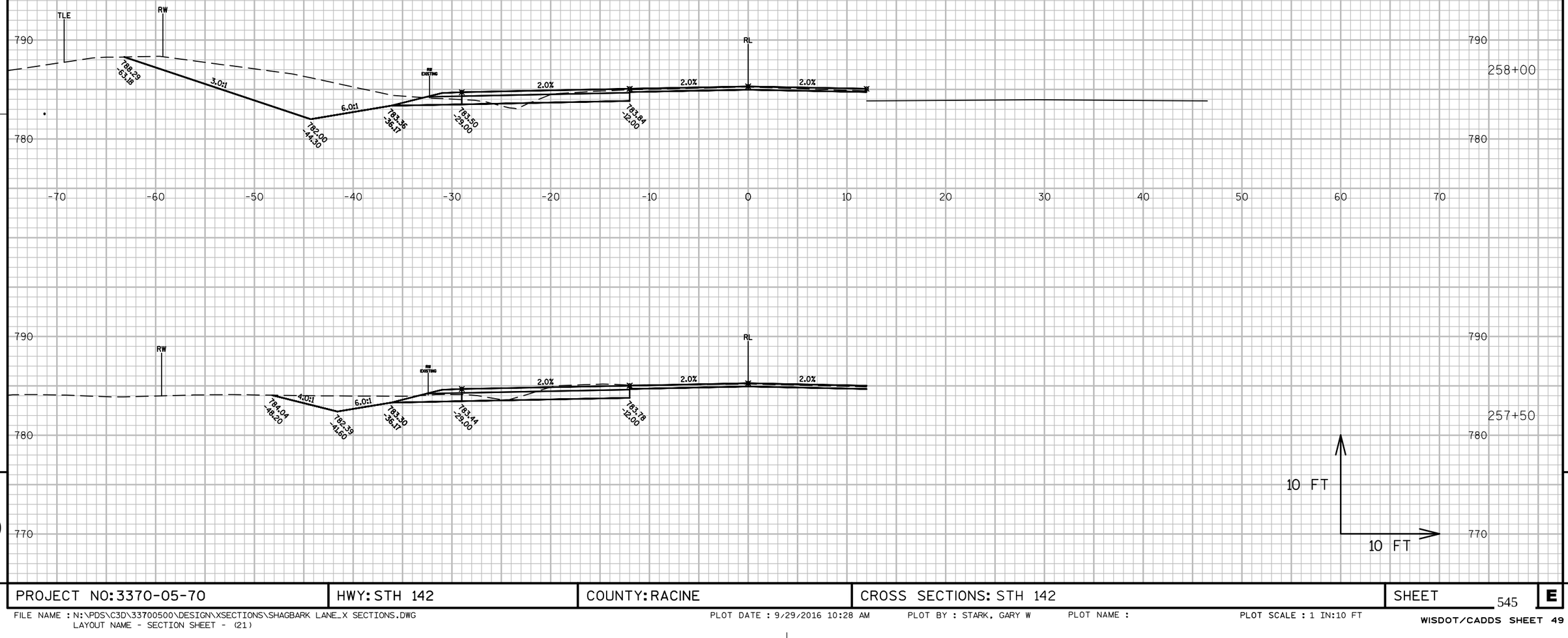
PLOT DATE : 9/29/2016 10:28 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 544	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 9/29/2016 10:28 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



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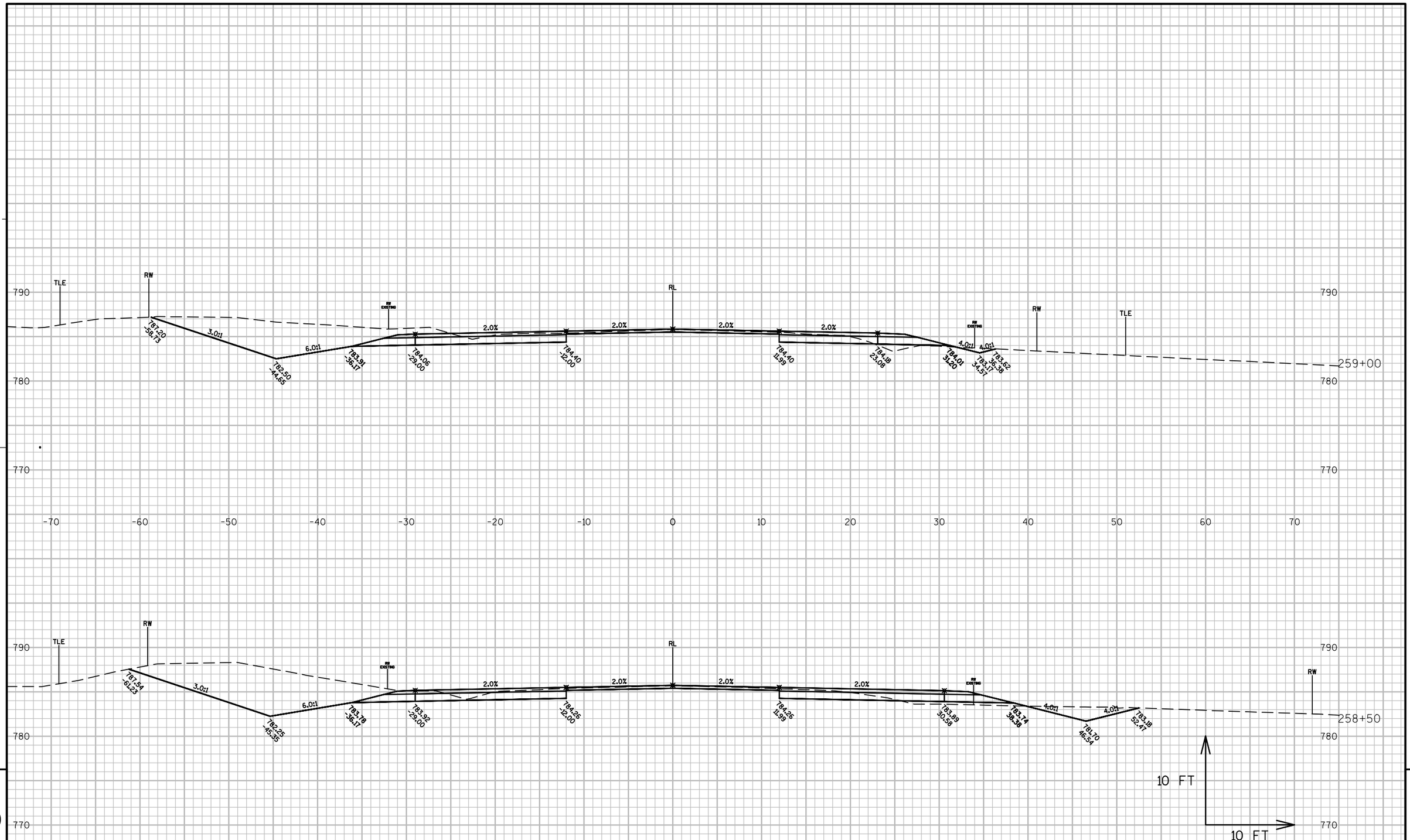
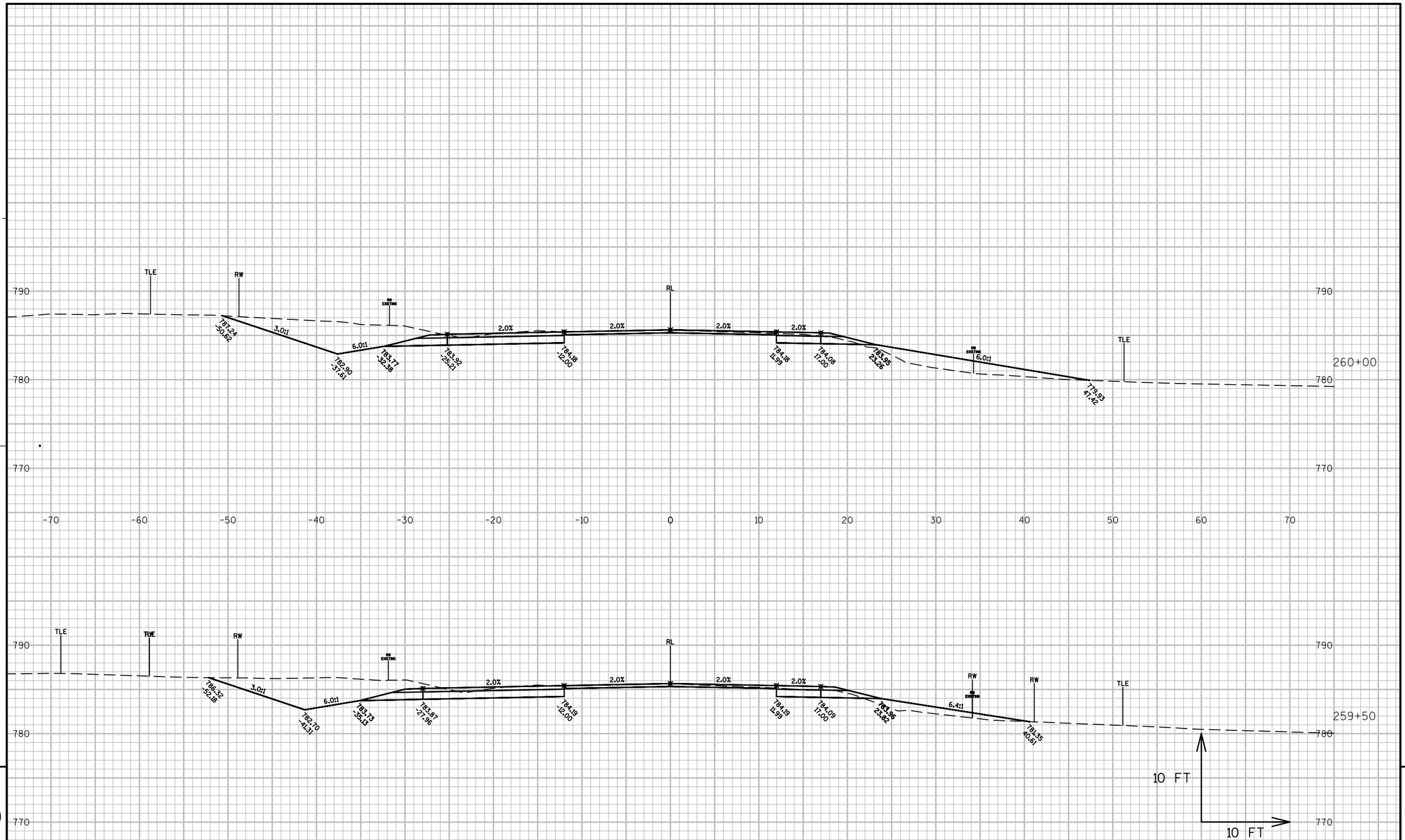
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 545	E



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 546	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 9/29/2016 10:29 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

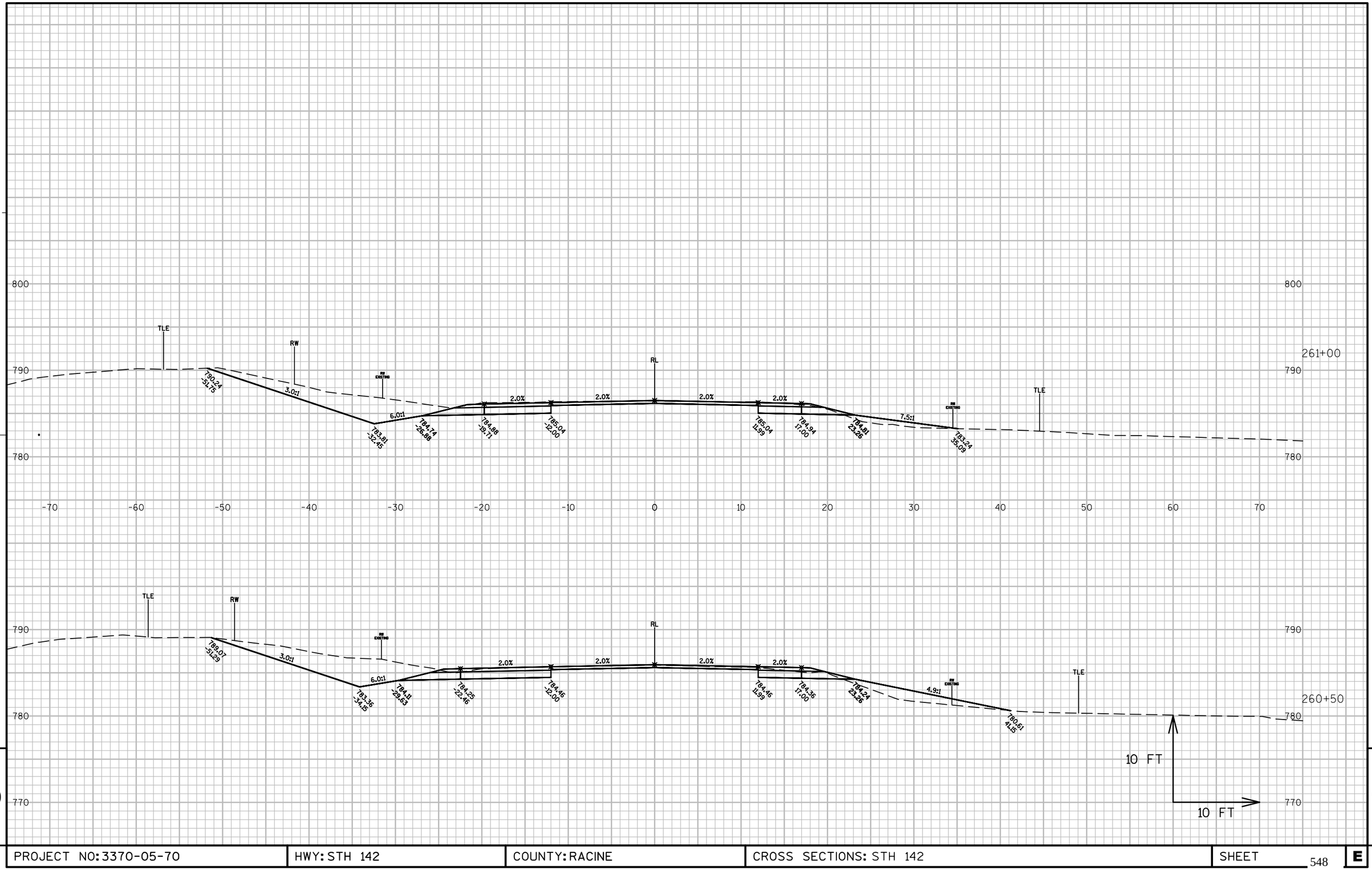


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 547	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (23)

PLOT DATE : 9/29/2016 10:29 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

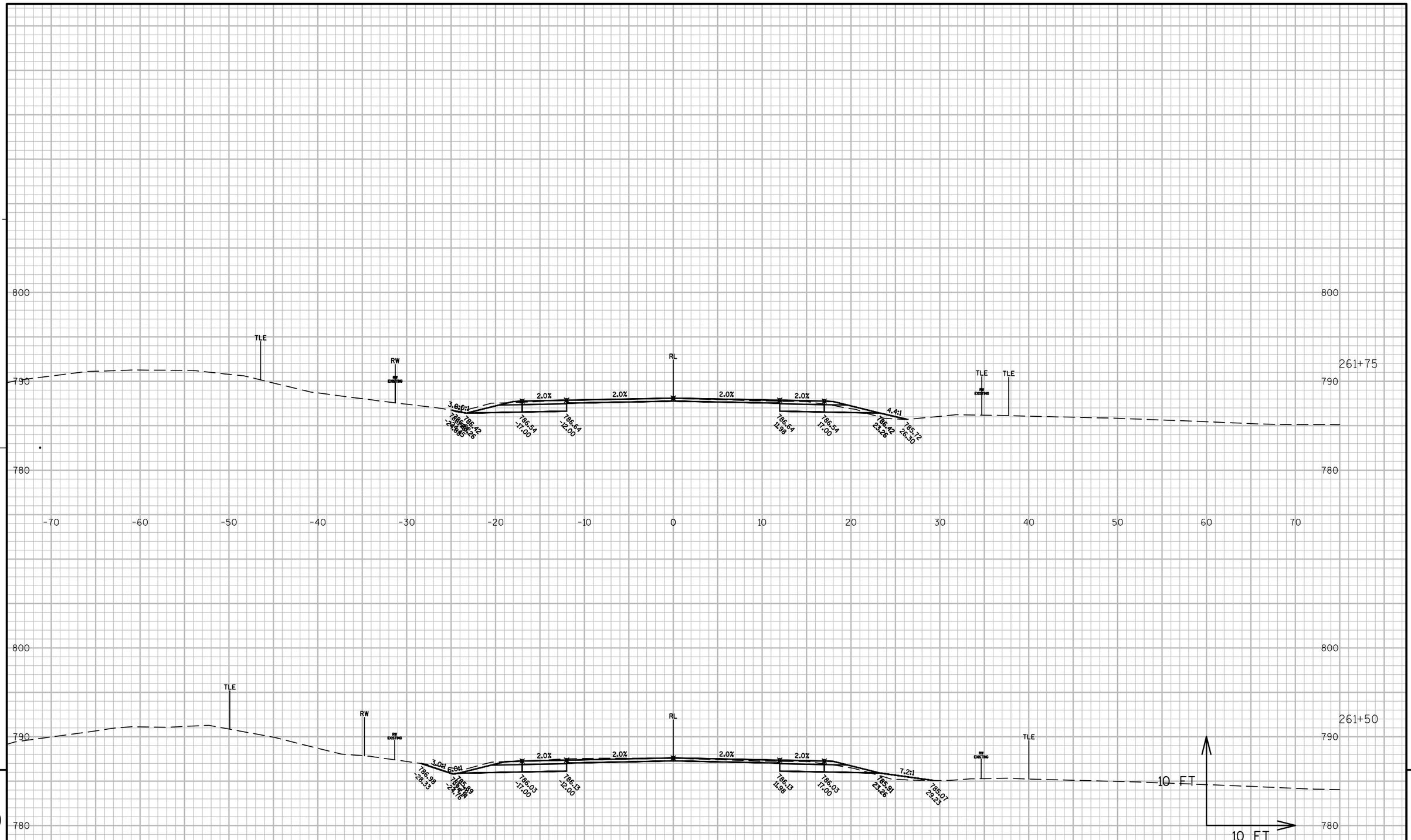


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 548	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (24)

PLOT DATE : 9/29/2016 10:29 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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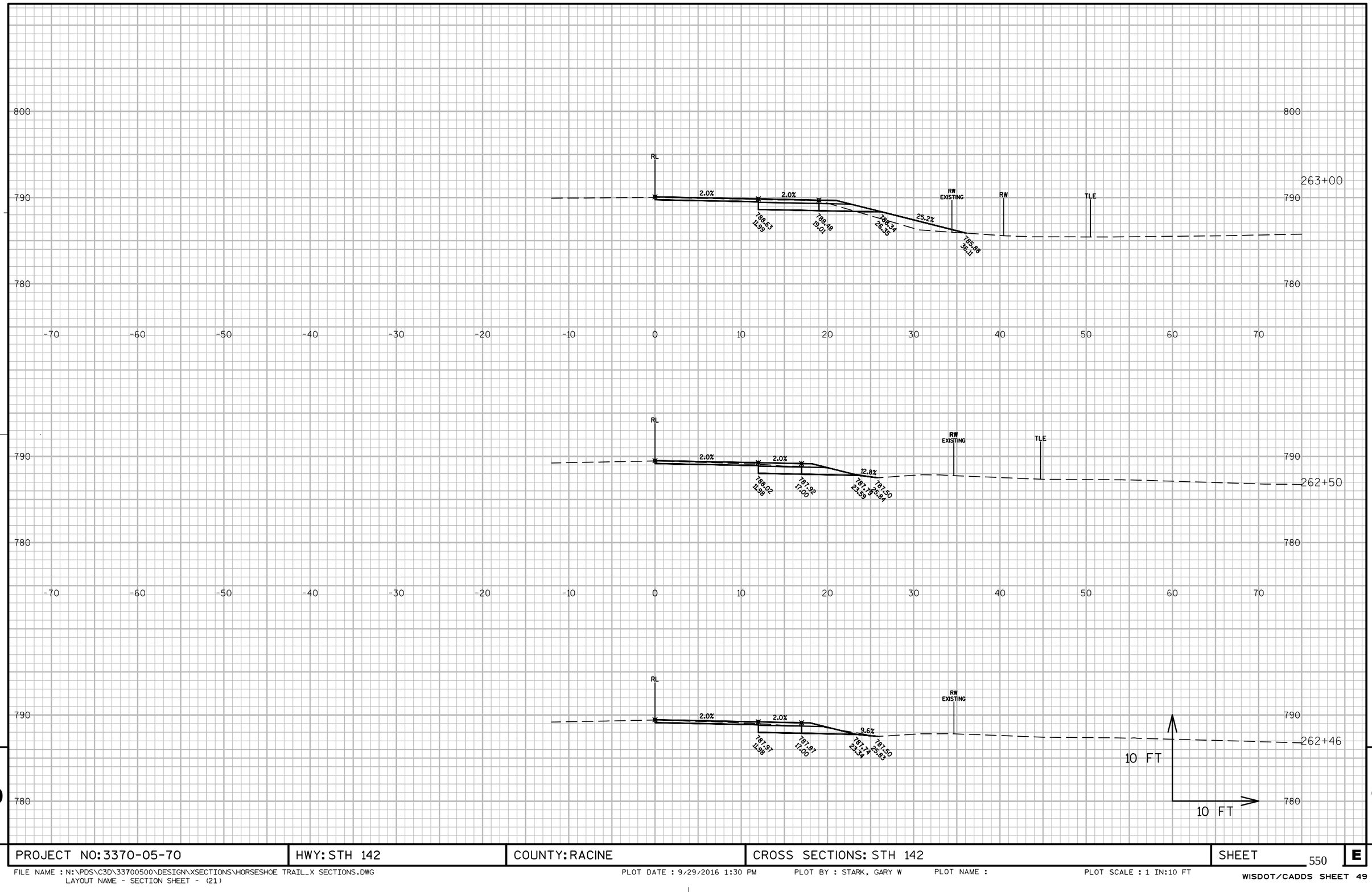
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 549	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (25)

PLOT DATE : 9/29/2016 10:29 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

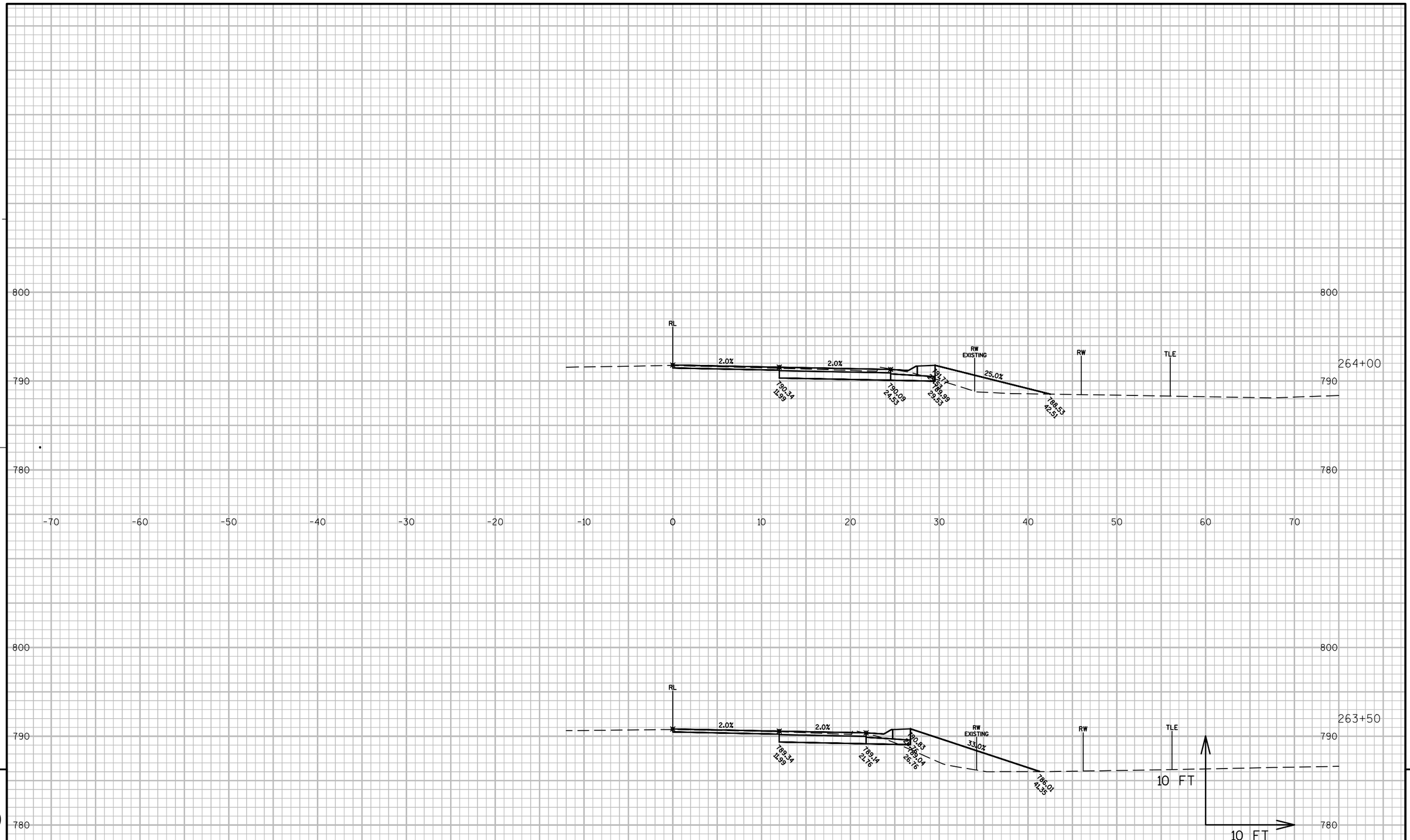


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 550	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (21)

PLOT DATE : 9/29/2016 1:30 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

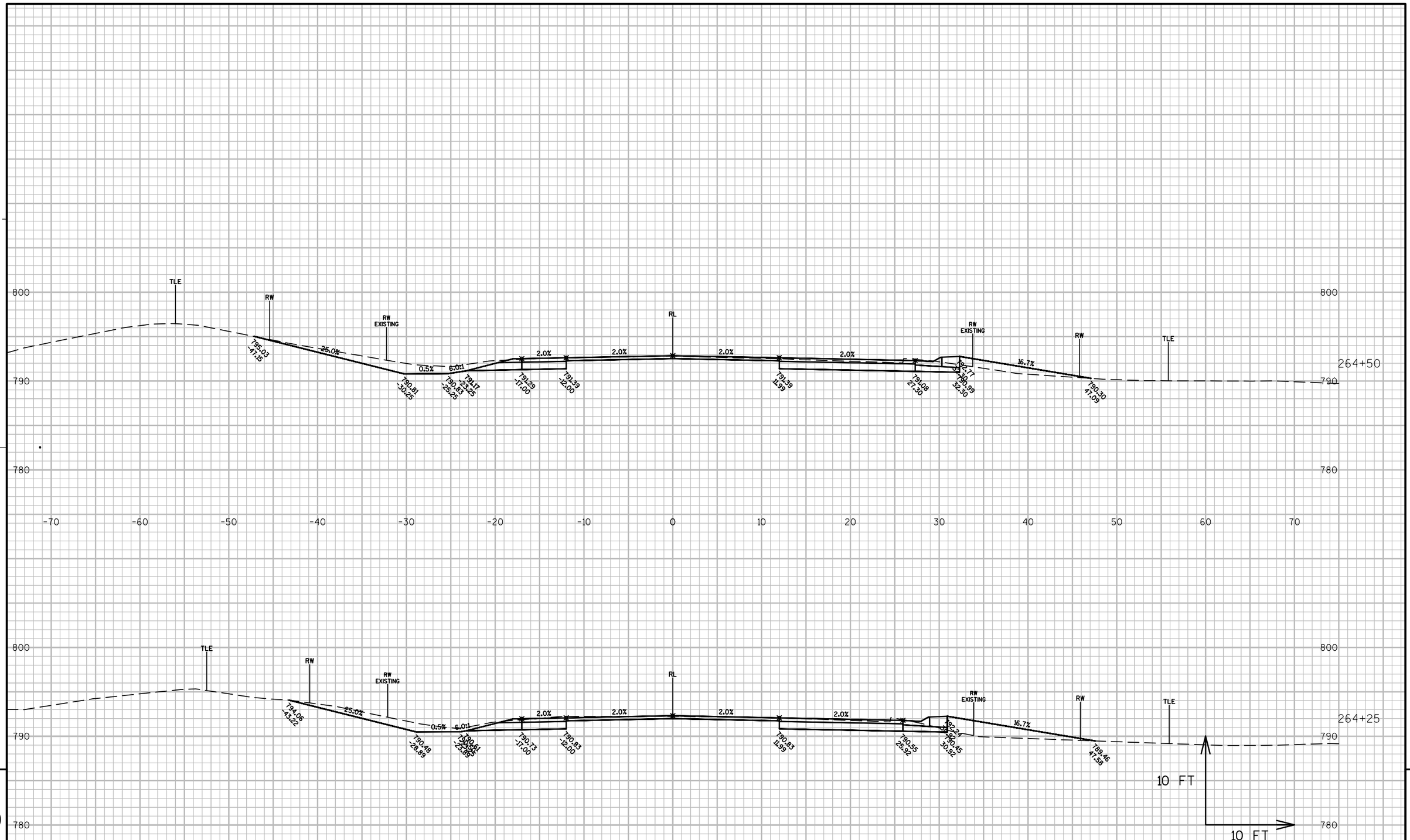


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 551	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (22)

PLOT DATE : 9/29/2016 1:30 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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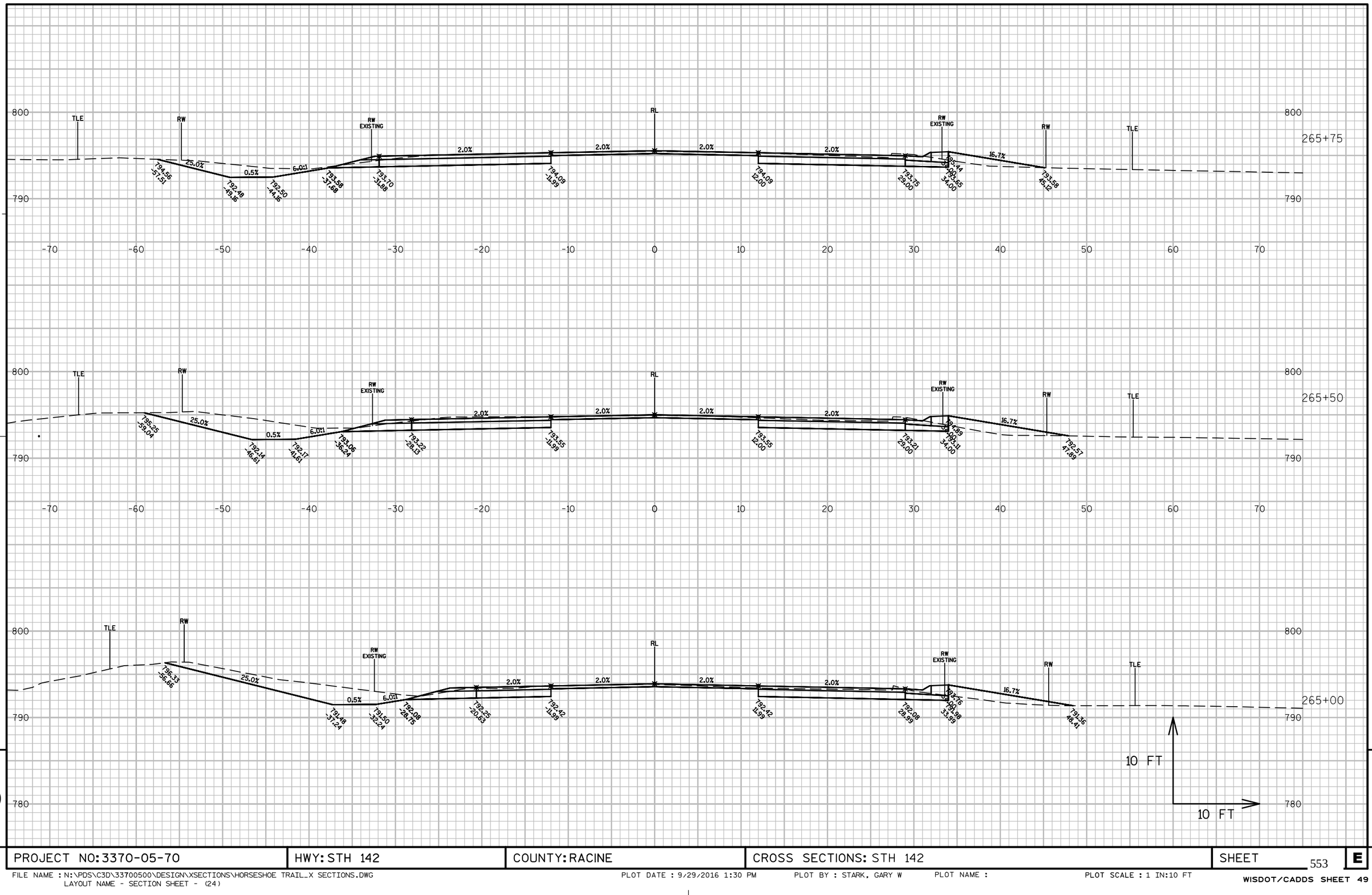
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 552	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (23)

PLOT DATE : 9/29/2016 1:30 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

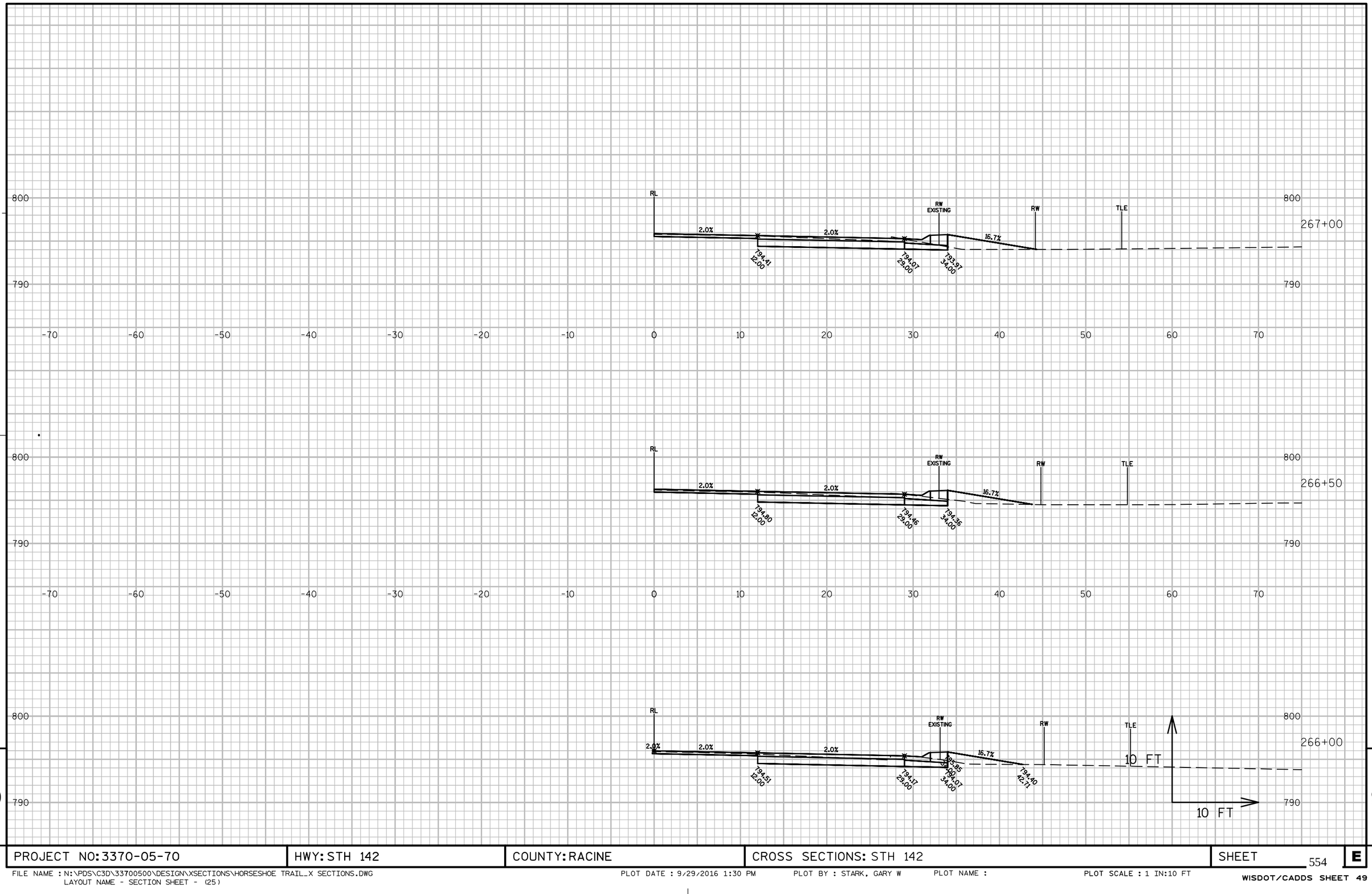


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 553	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (24)

PLOT DATE : 9/29/2016 1:30 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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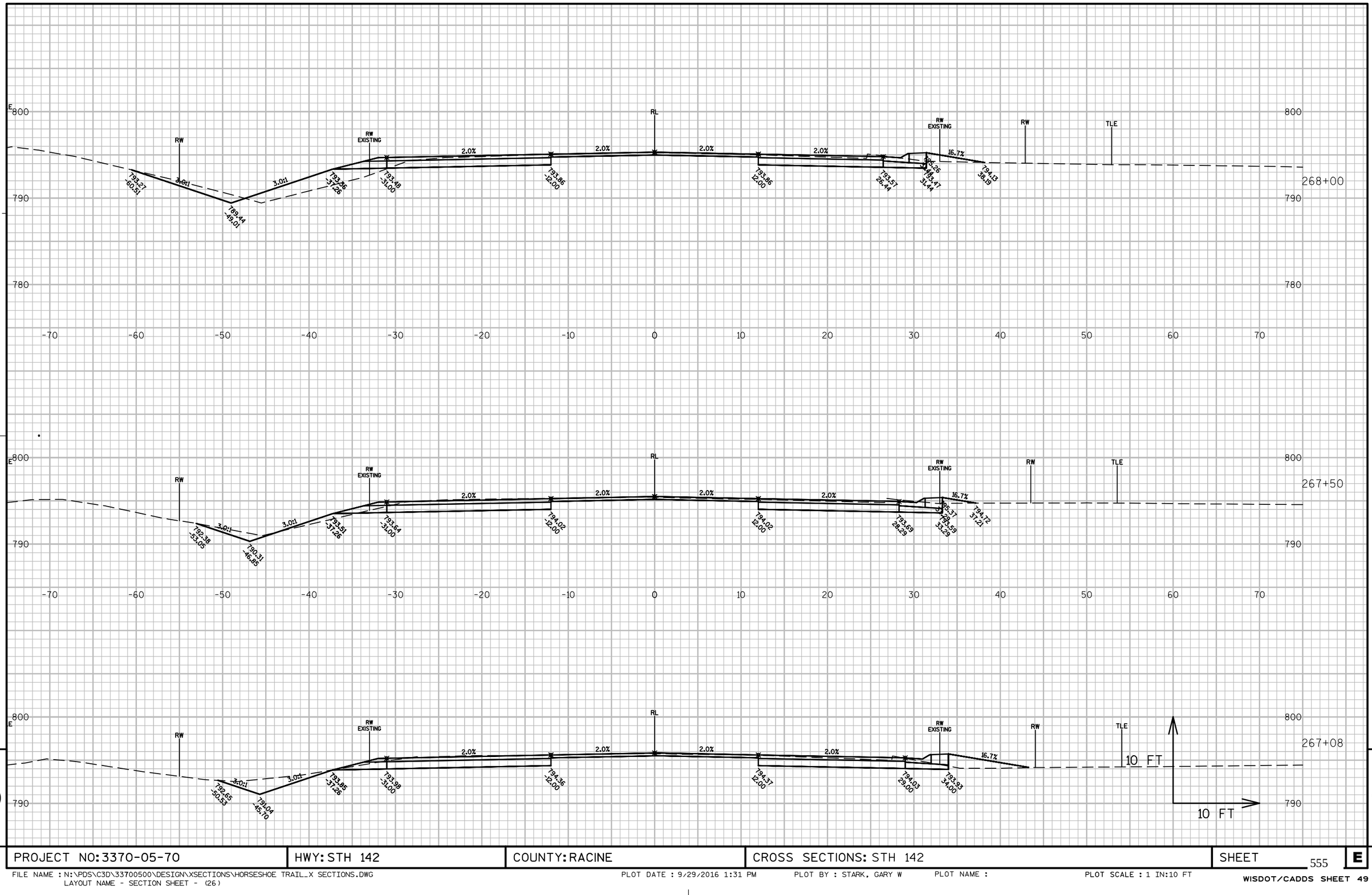
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 554	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (25)

PLOT DATE : 9/29/2016 1:30 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

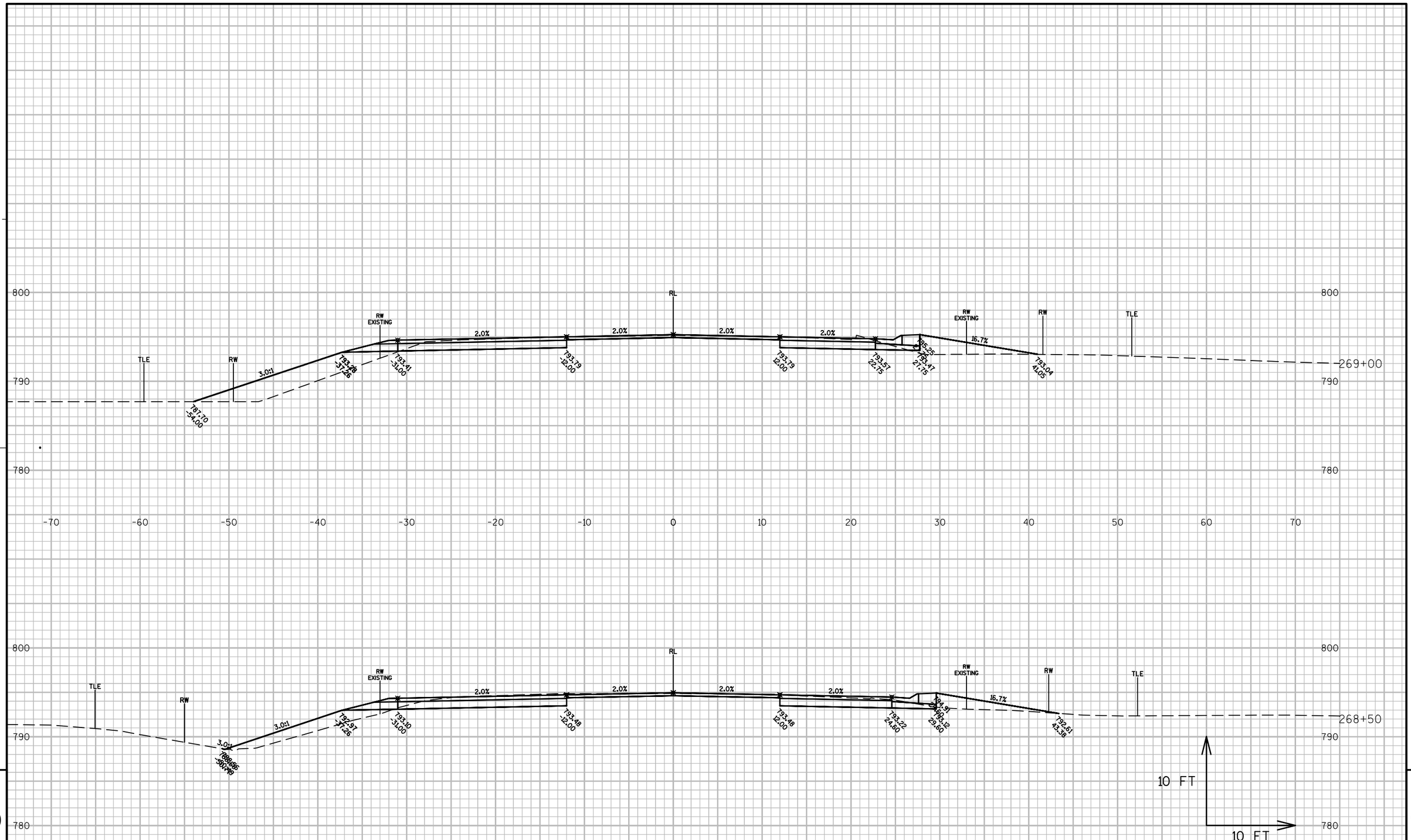


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 555	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (26)

PLOT DATE : 9/29/2016 1:31 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

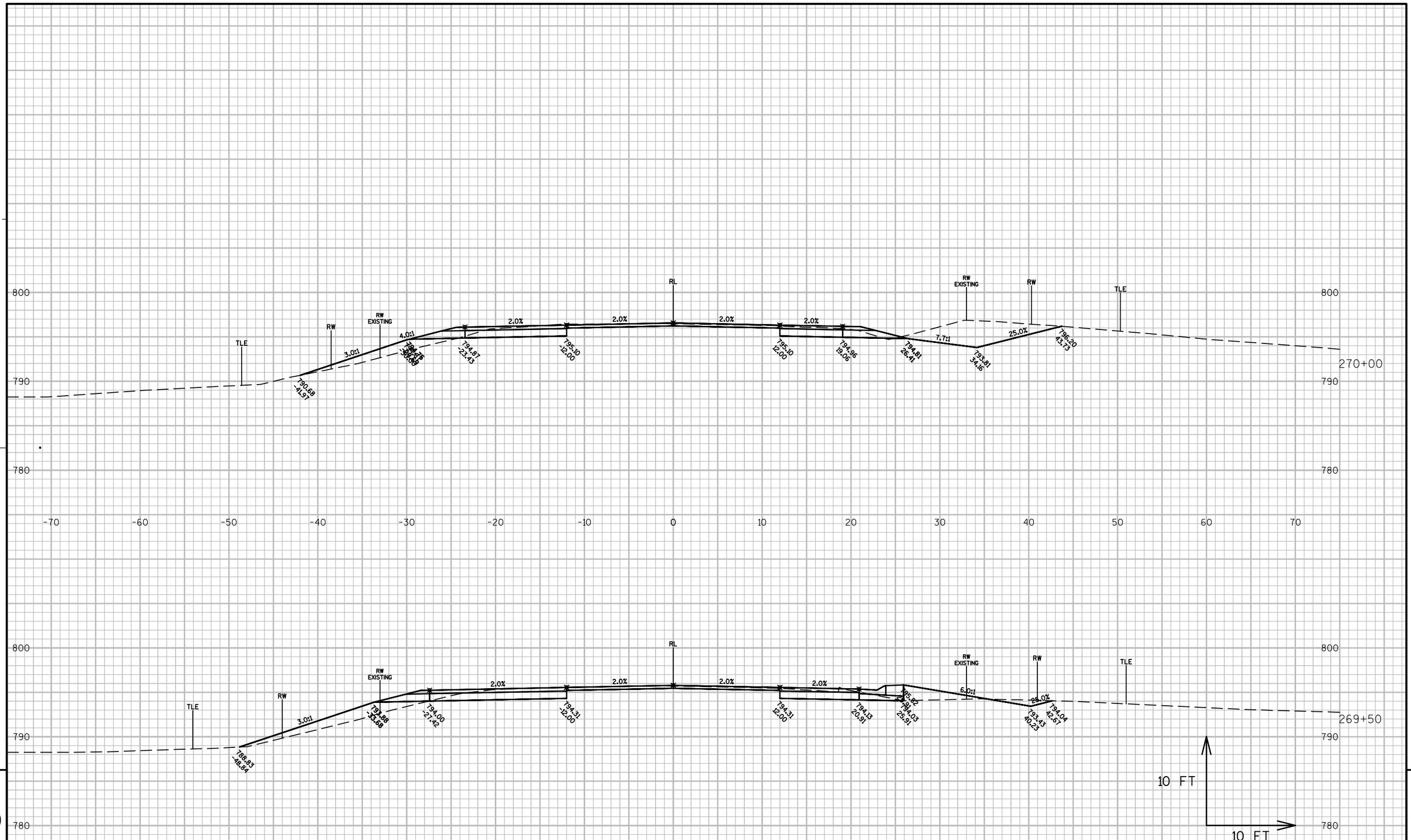


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 556	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (27)

PLOT DATE : 9/29/2016 1:31 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

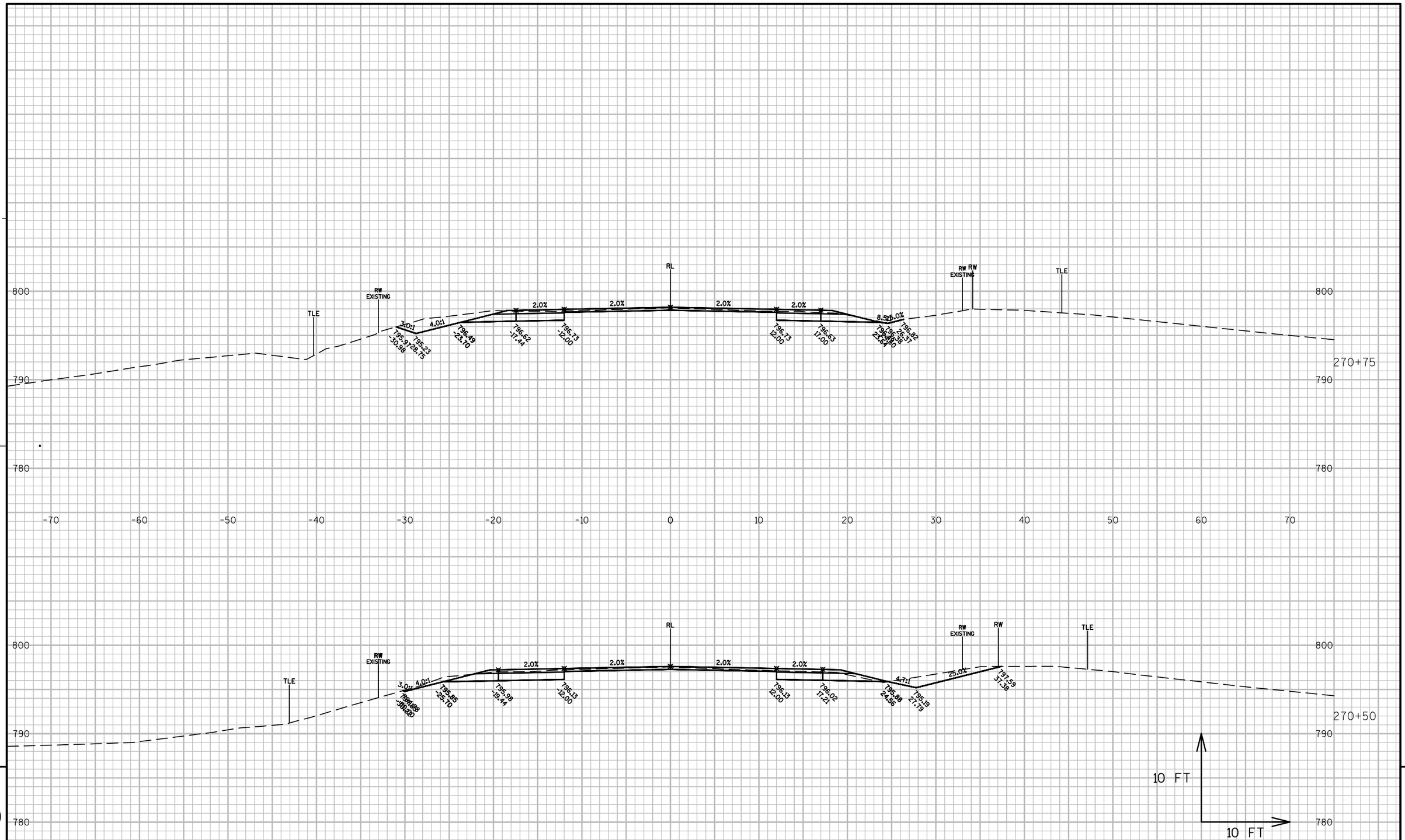
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 557	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (28)

PLOT DATE : 9/29/2016 1:31 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

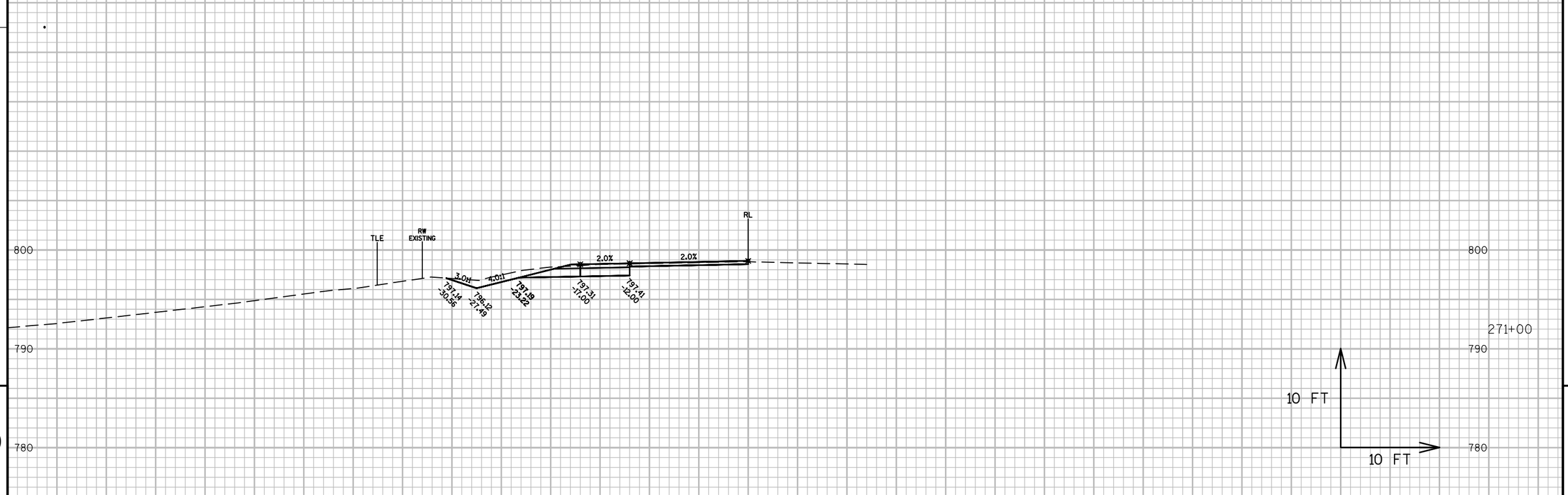


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 558	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (29)

PLOT DATE : 9/29/2016 1:31 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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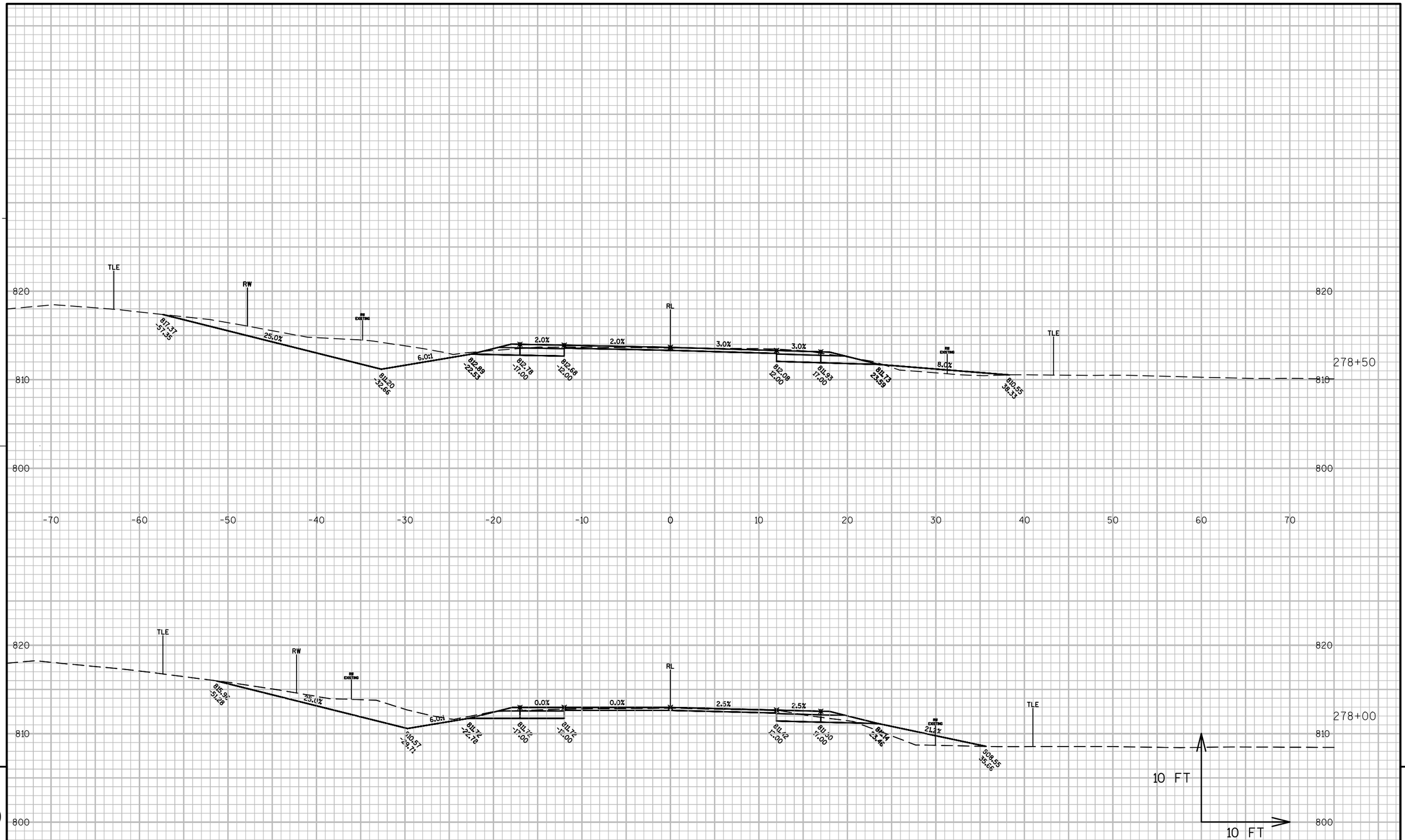
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 559	E

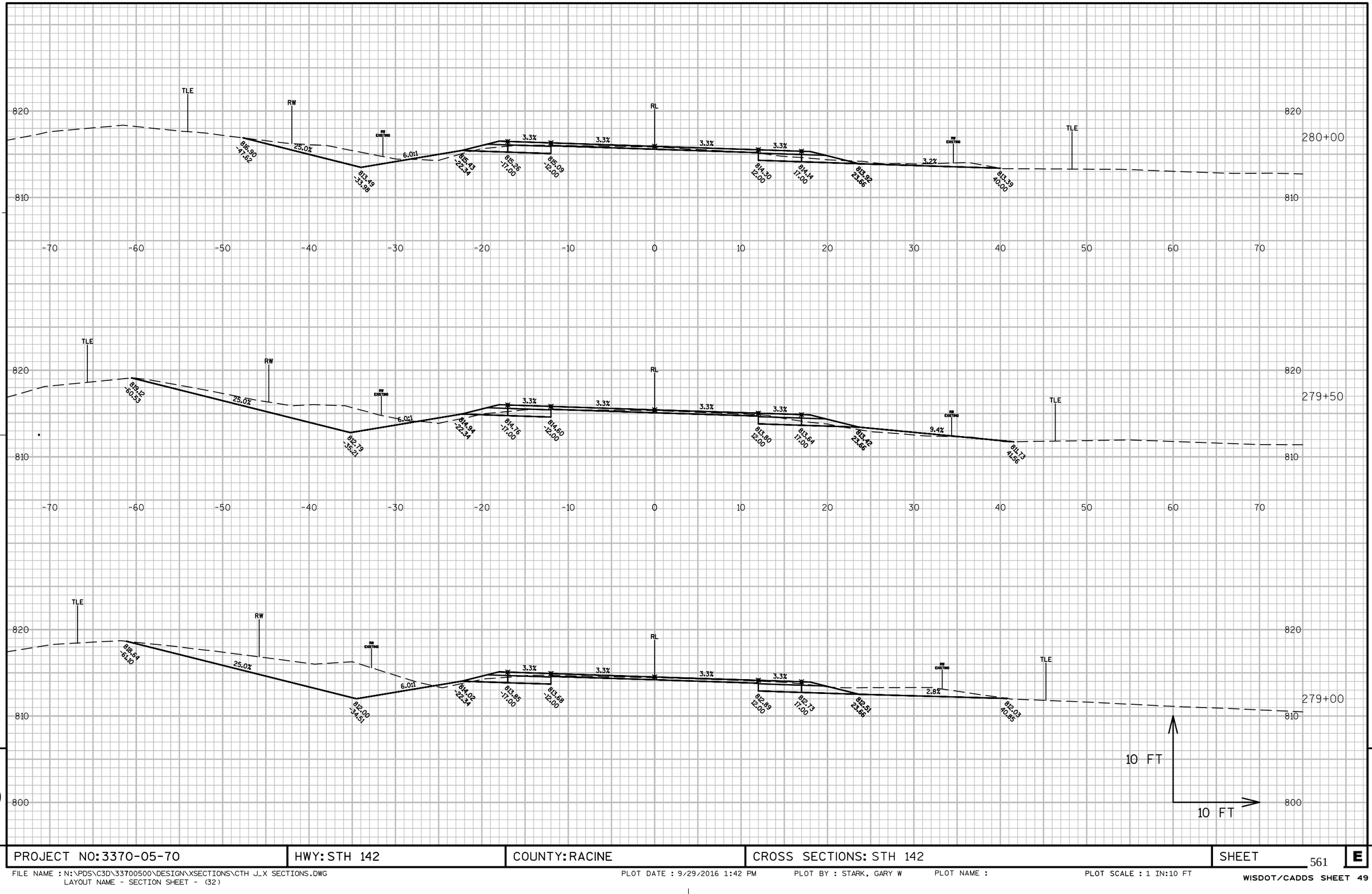


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 560	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (31)

PLOT DATE : 9/29/2016 1:42 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

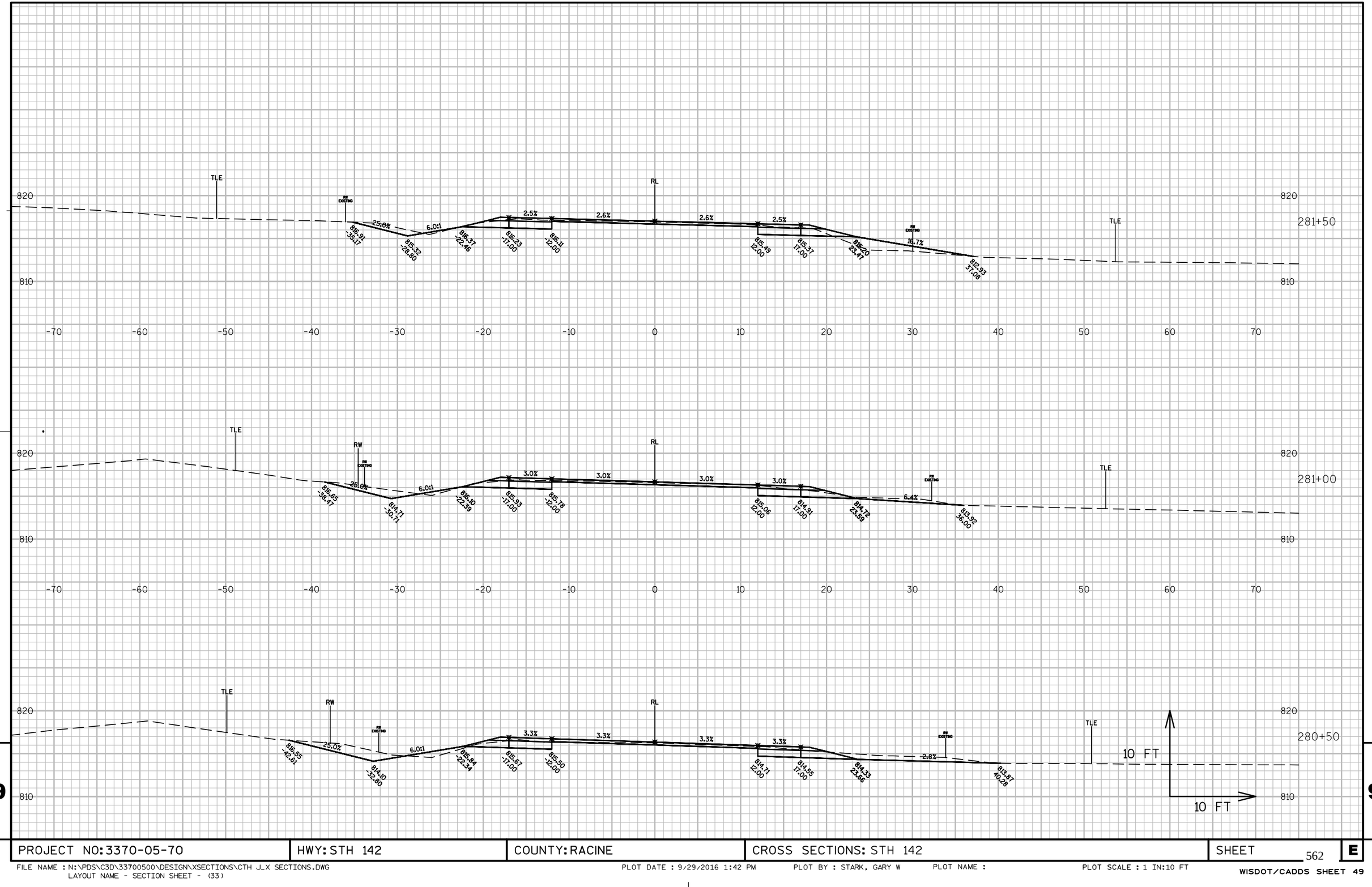


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 561	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (32)

PLOT DATE : 9/29/2016 1:42 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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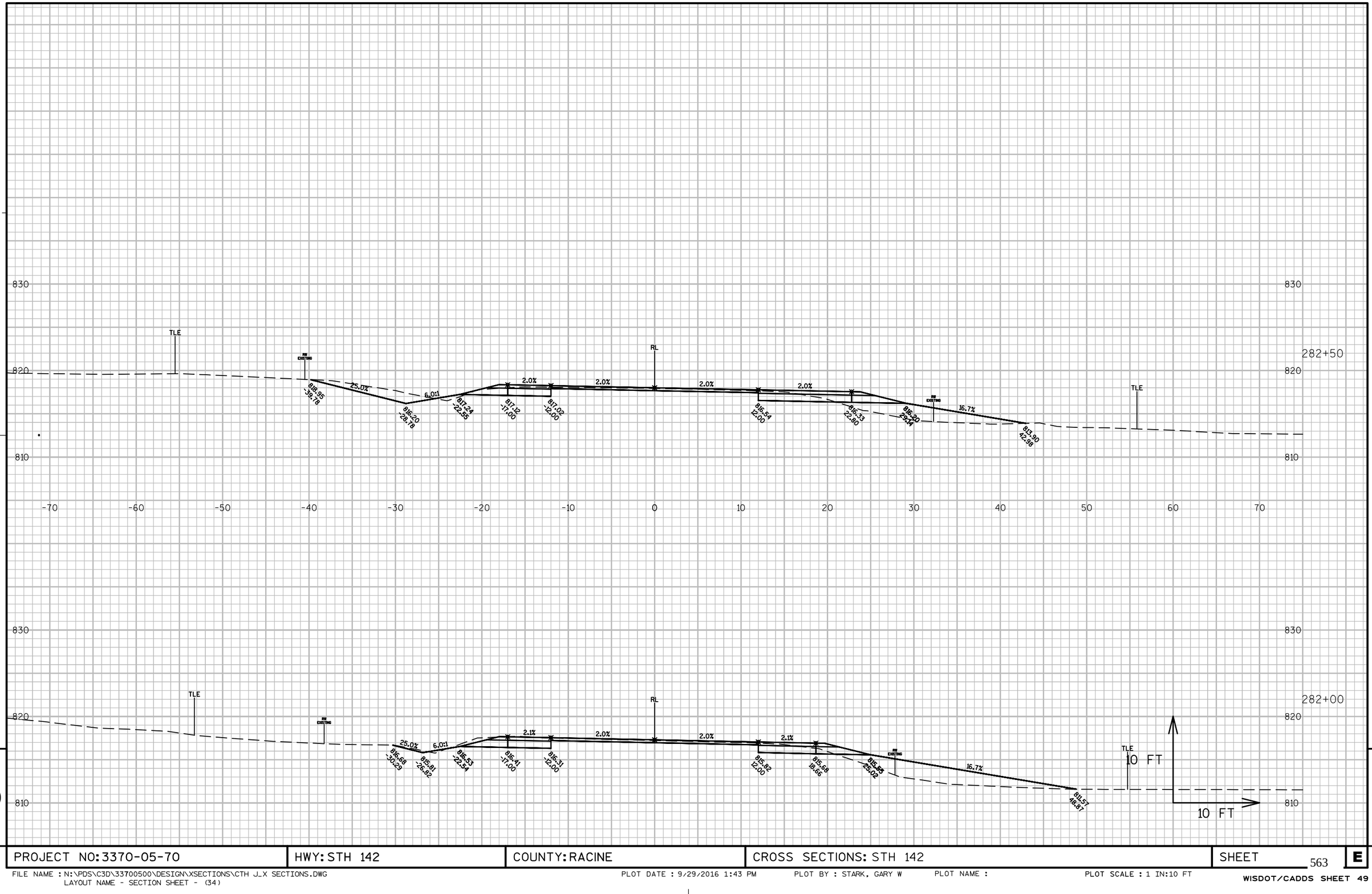
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 562	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (33)

PLOT DATE : 9/29/2016 1:42 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

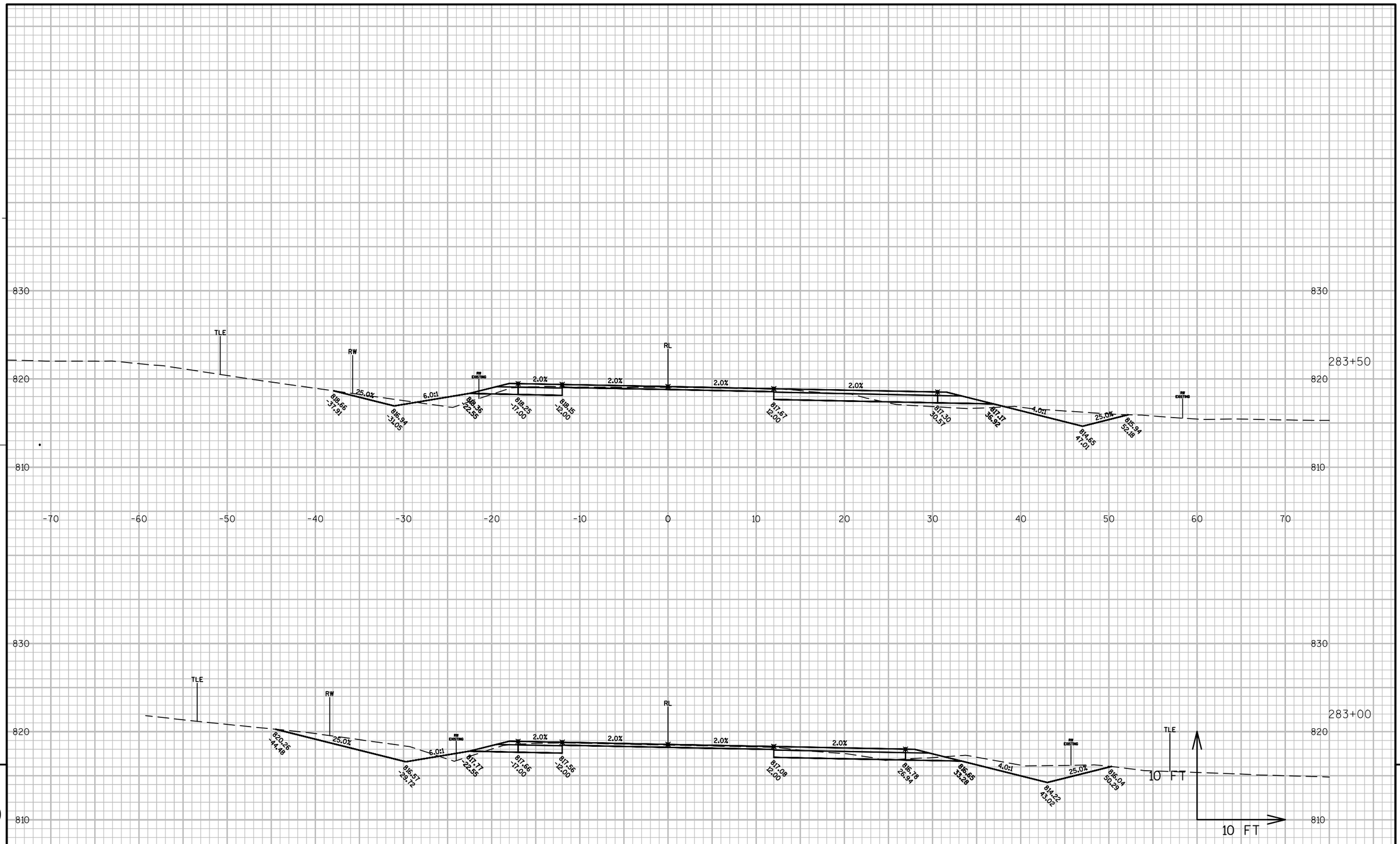


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 563	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (34)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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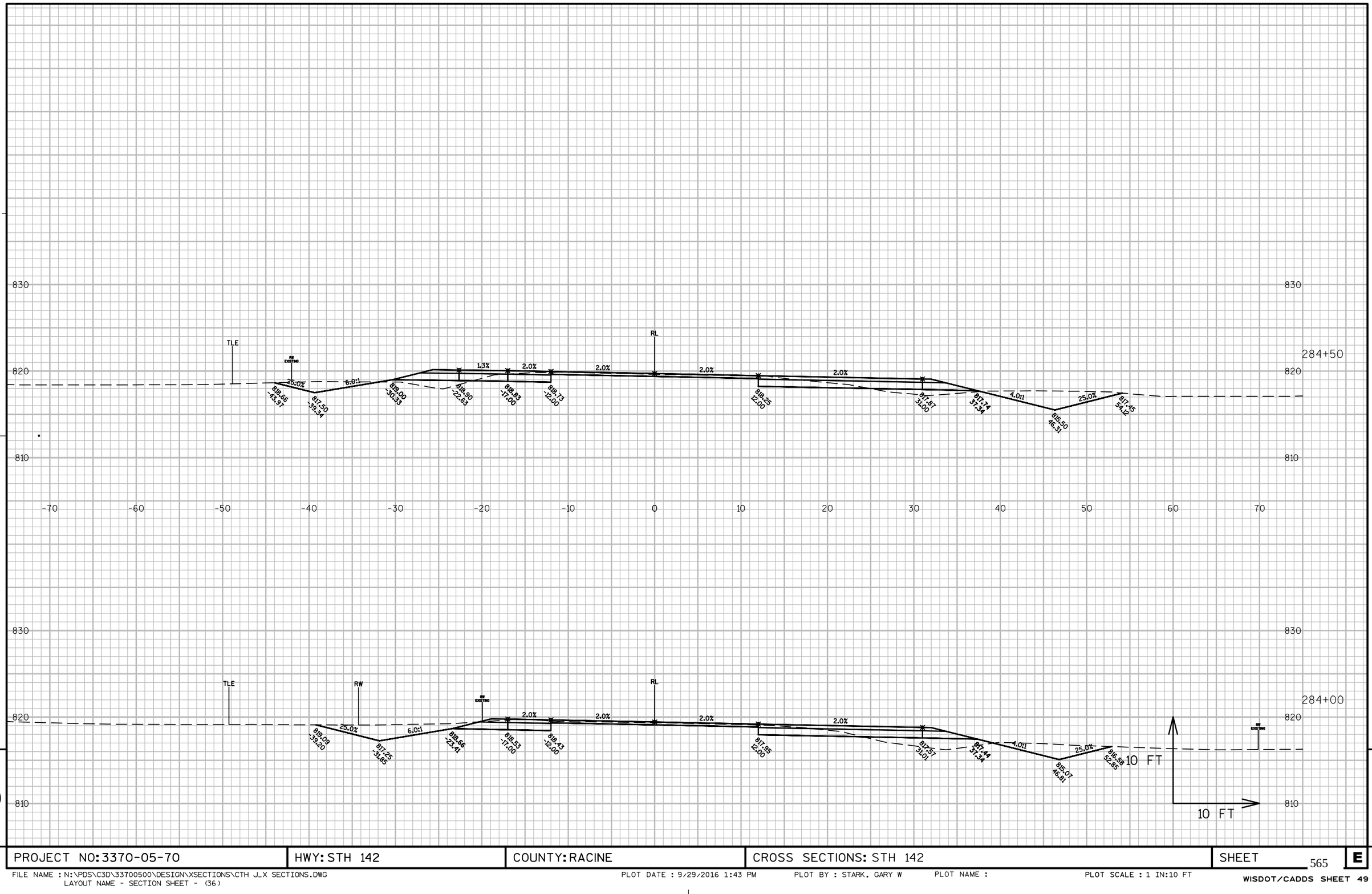
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 564	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (35)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

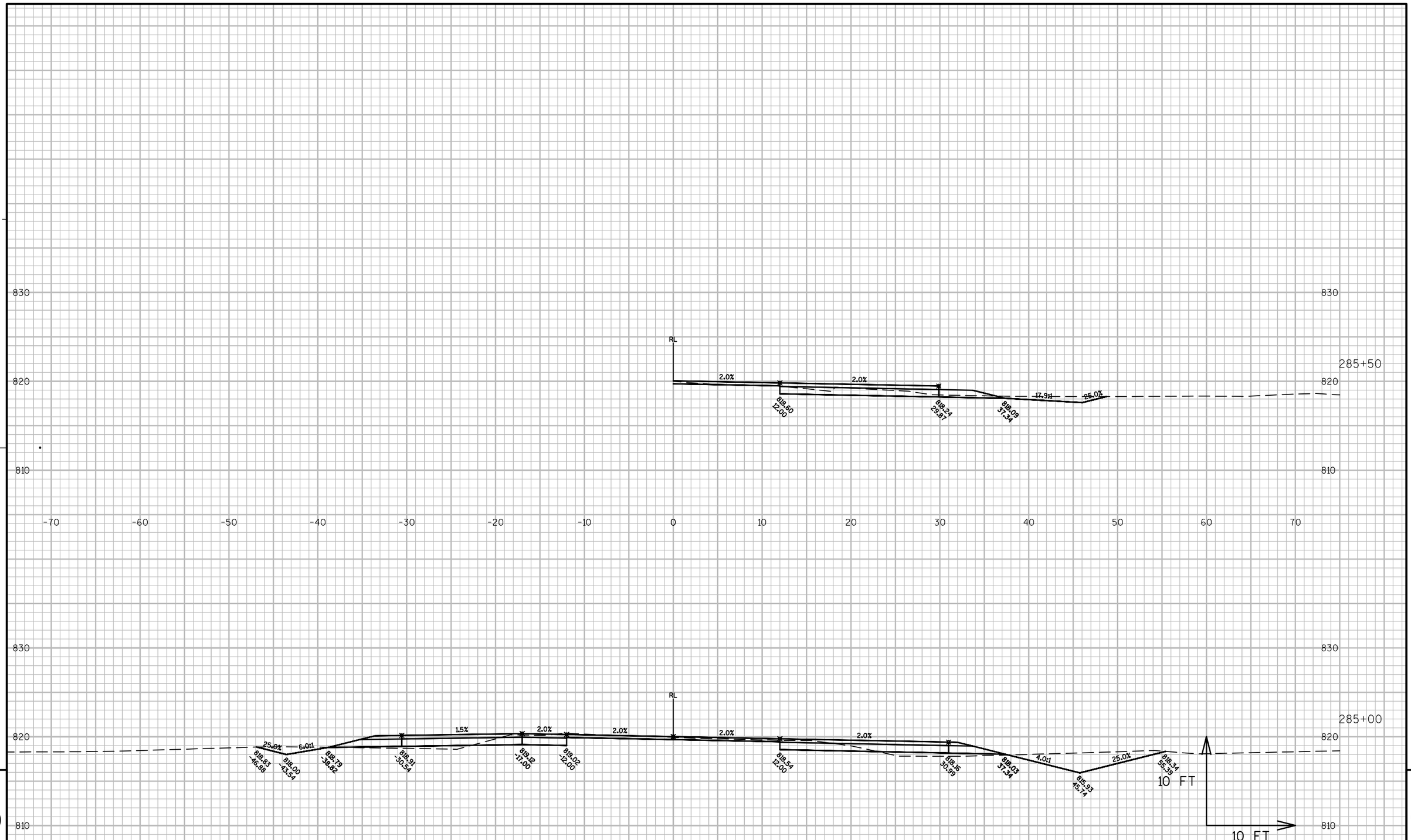


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 565	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (36)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

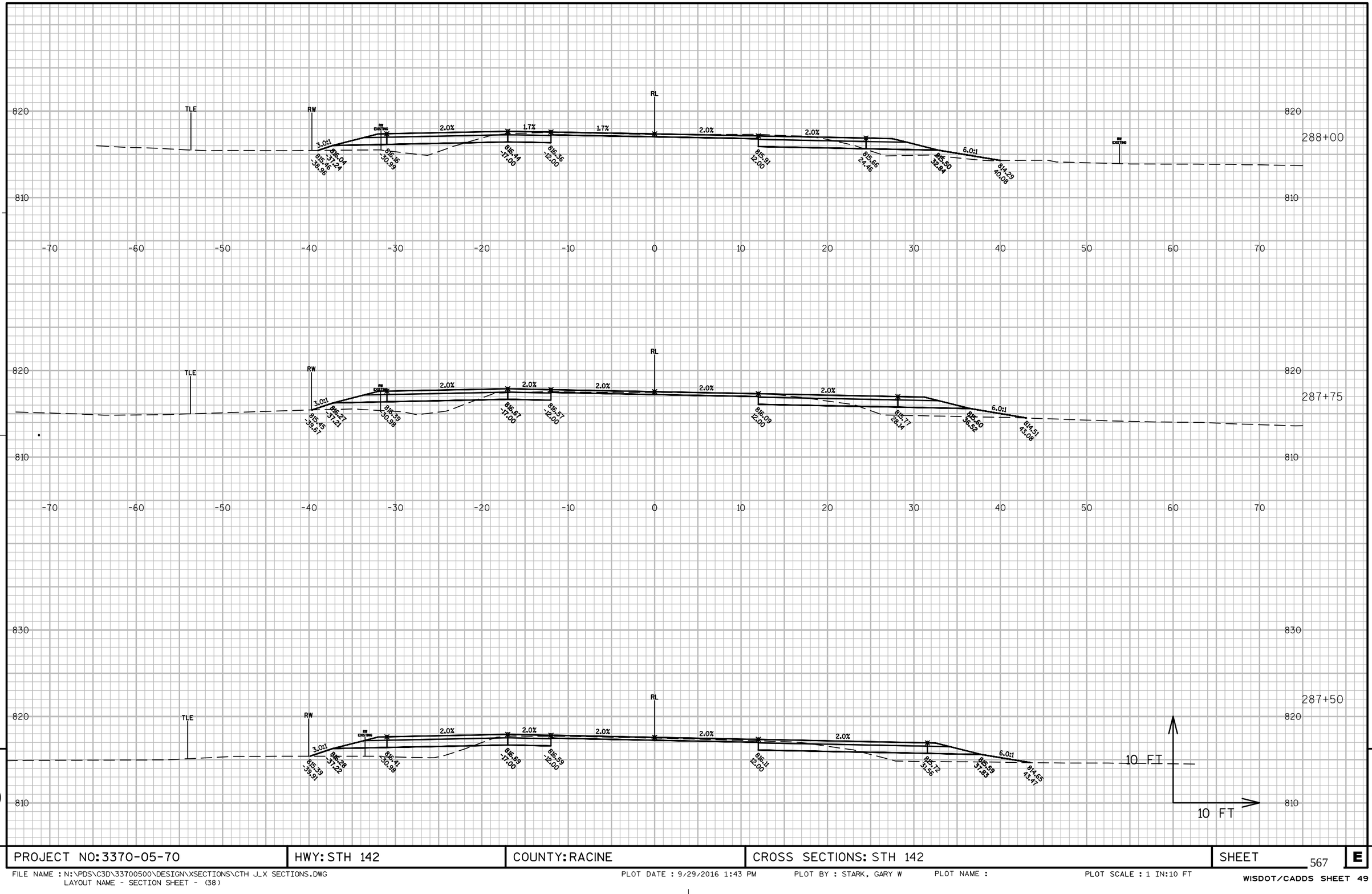


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 566	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (37)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

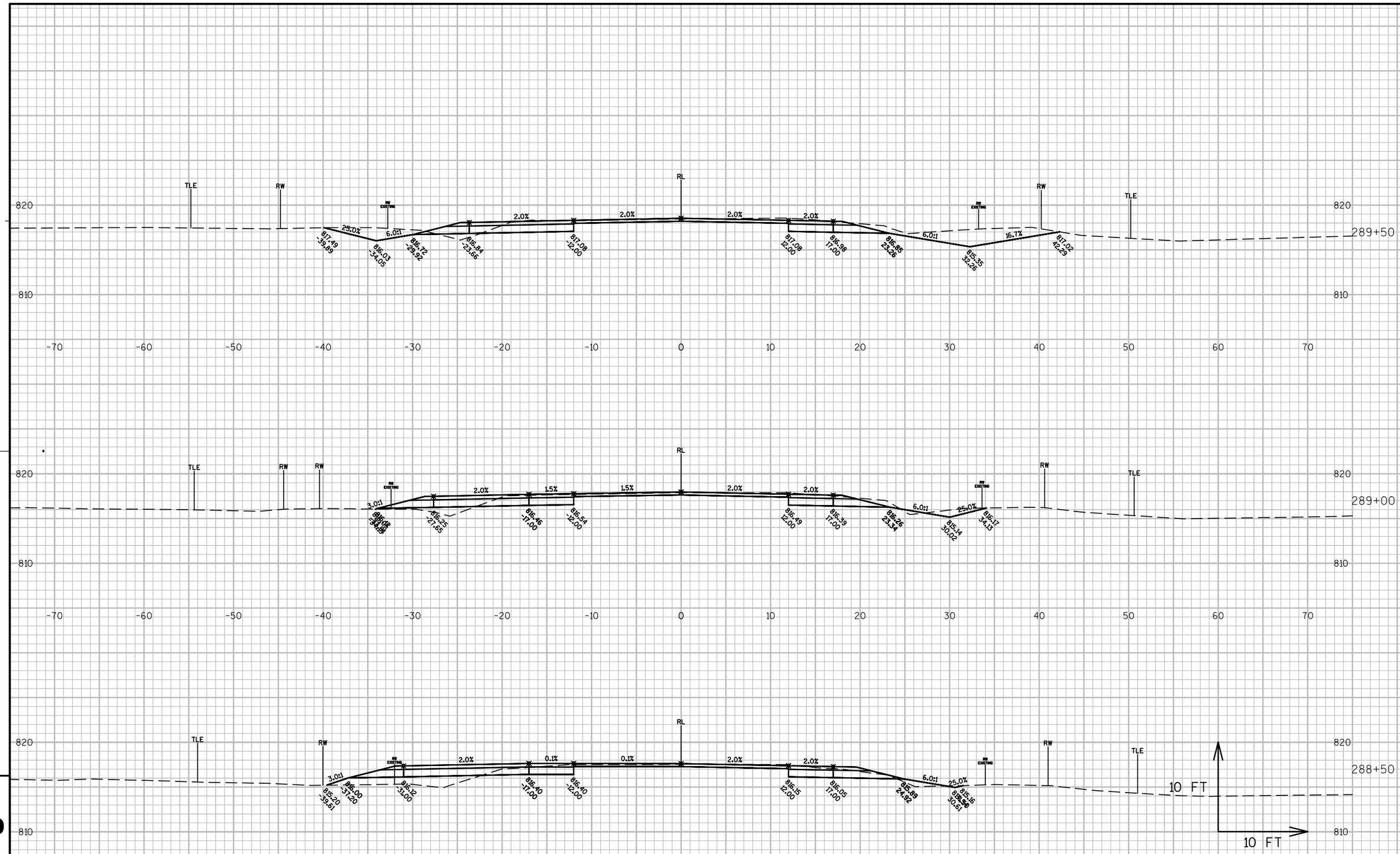


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 567	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (38)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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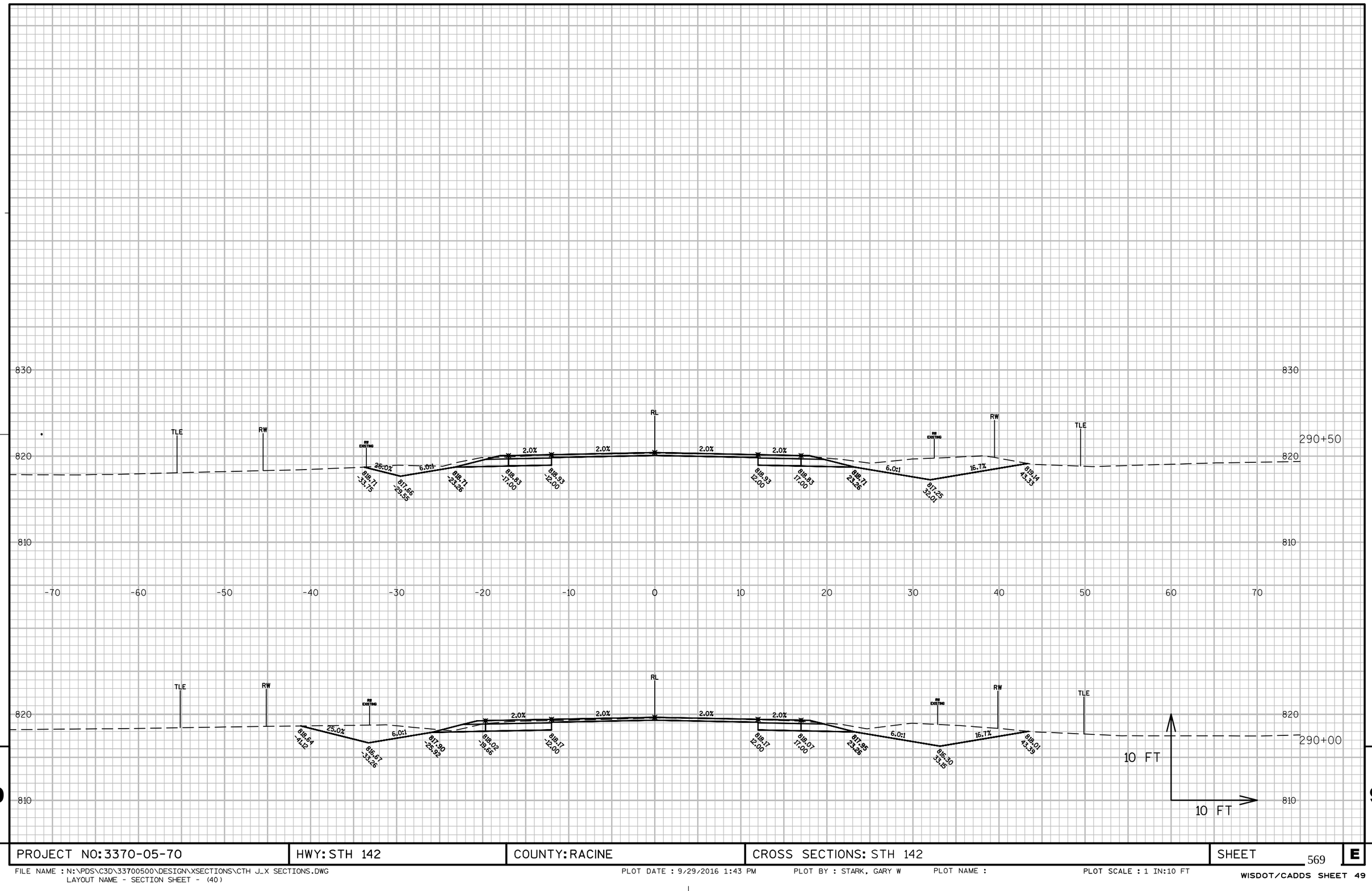
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 568	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (39)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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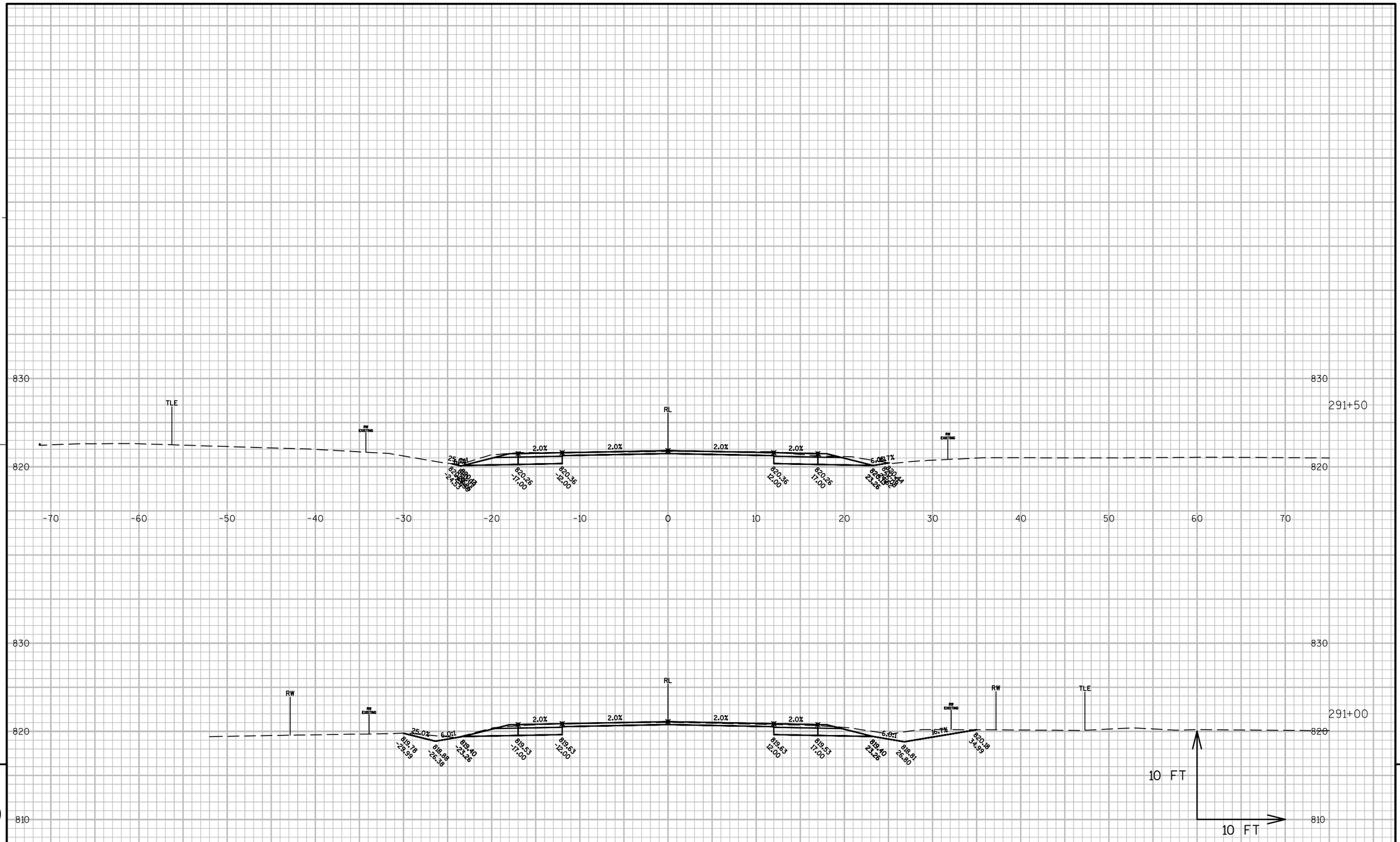
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 569	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (40)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

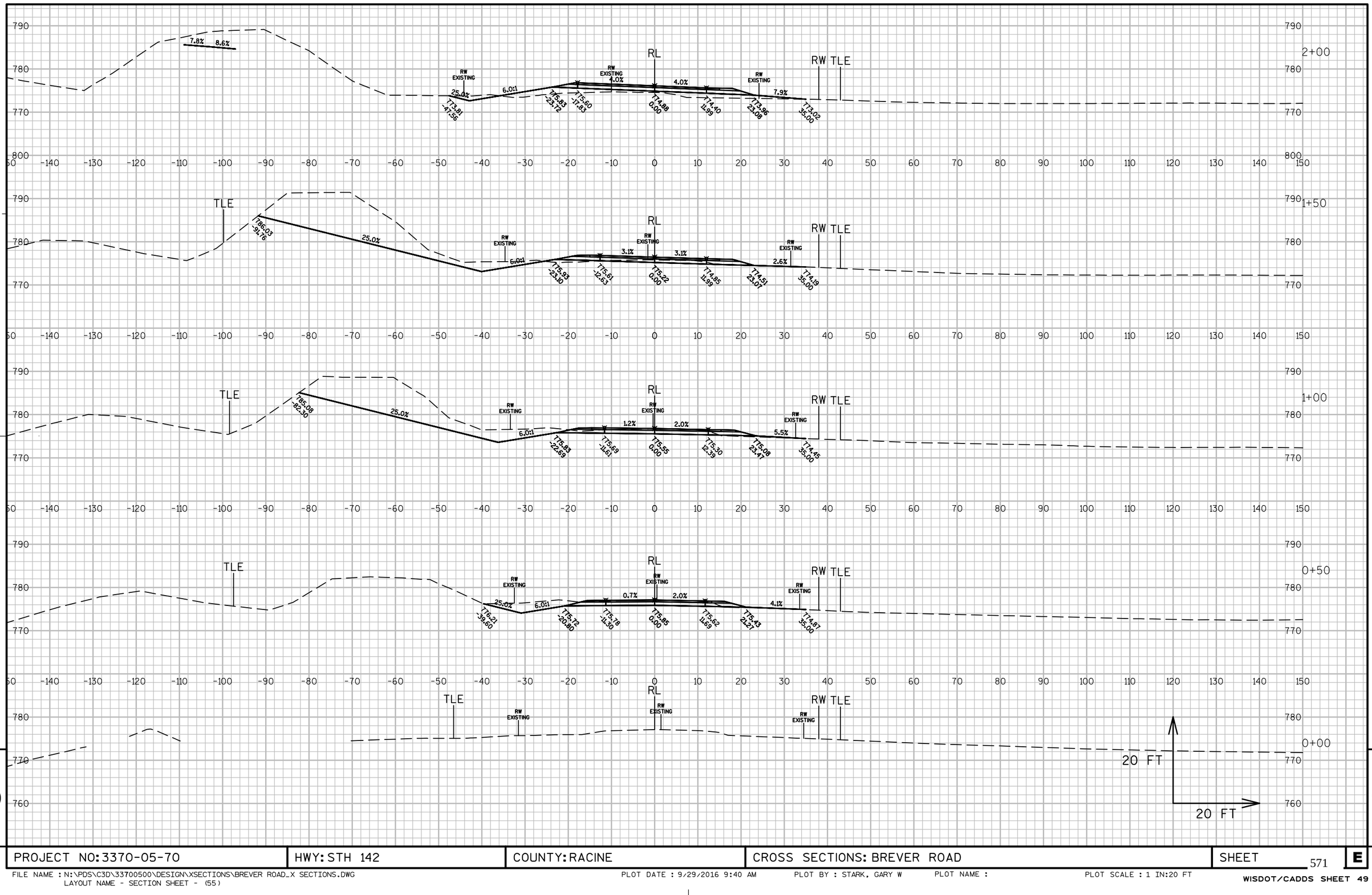


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: STH 142	SHEET 570	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (41)

PLOT DATE : 9/29/2016 1:43 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

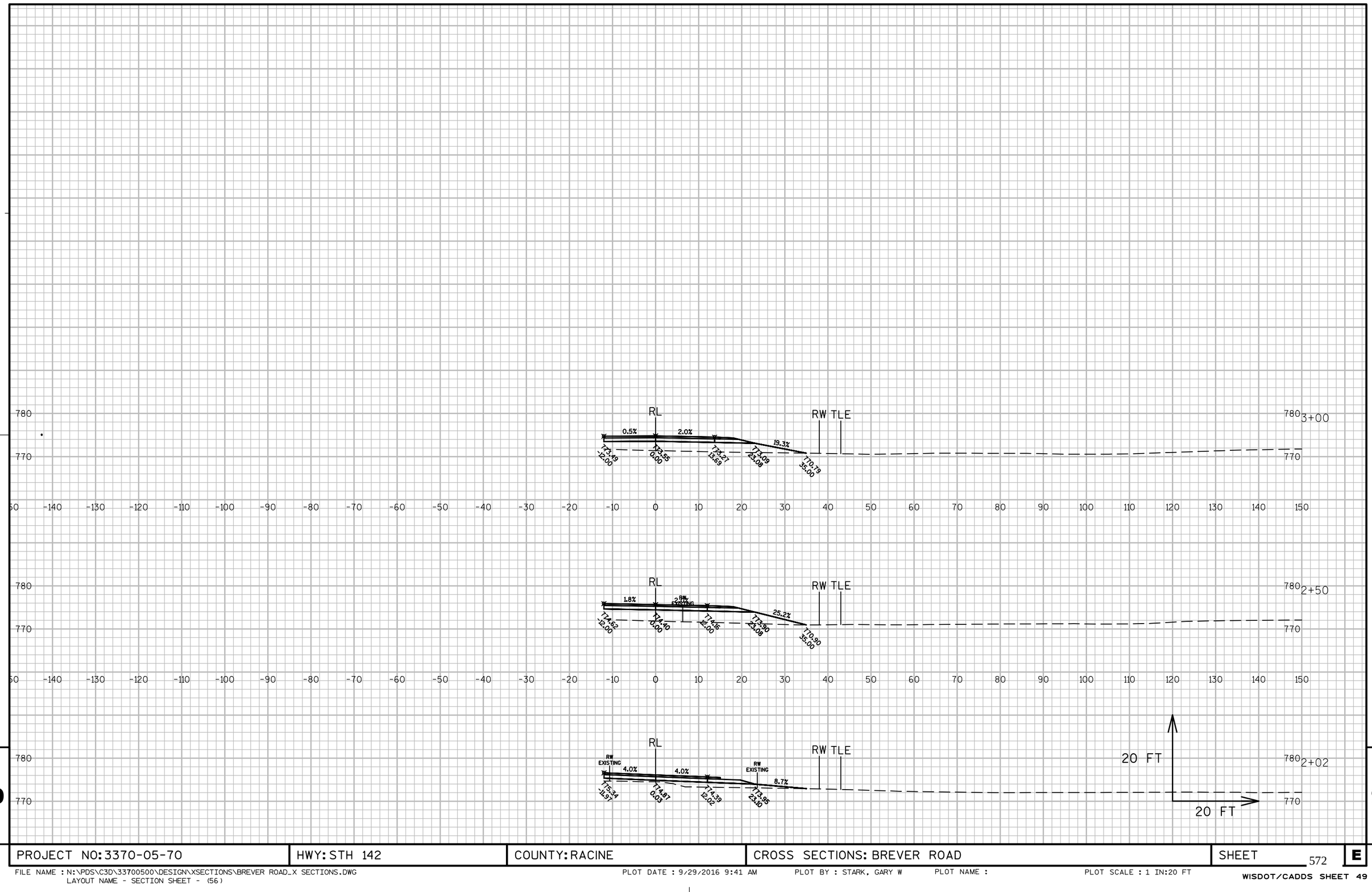


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: BREVER ROAD	SHEET 571	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (55)

PLOT DATE : 9/29/2016 9:40 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT

WISDOT/CADDS SHEET 49



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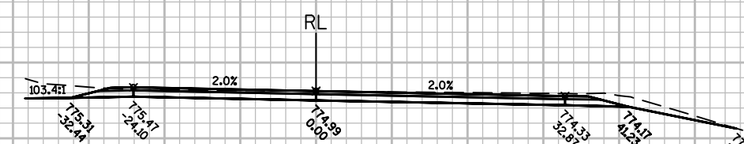
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: BREVER ROAD	SHEET 572	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (56)

PLOT DATE : 9/29/2016 9:41 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT



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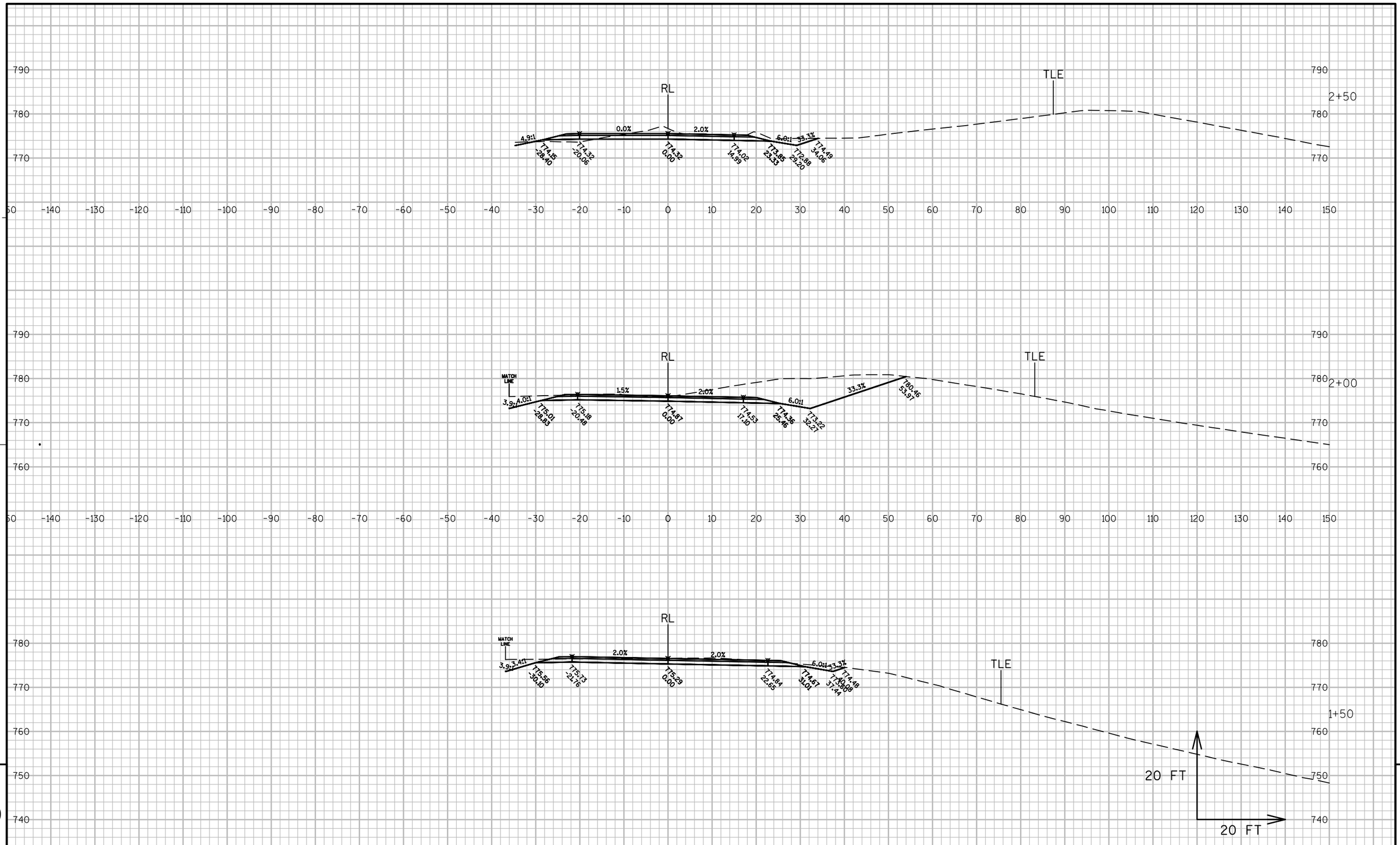
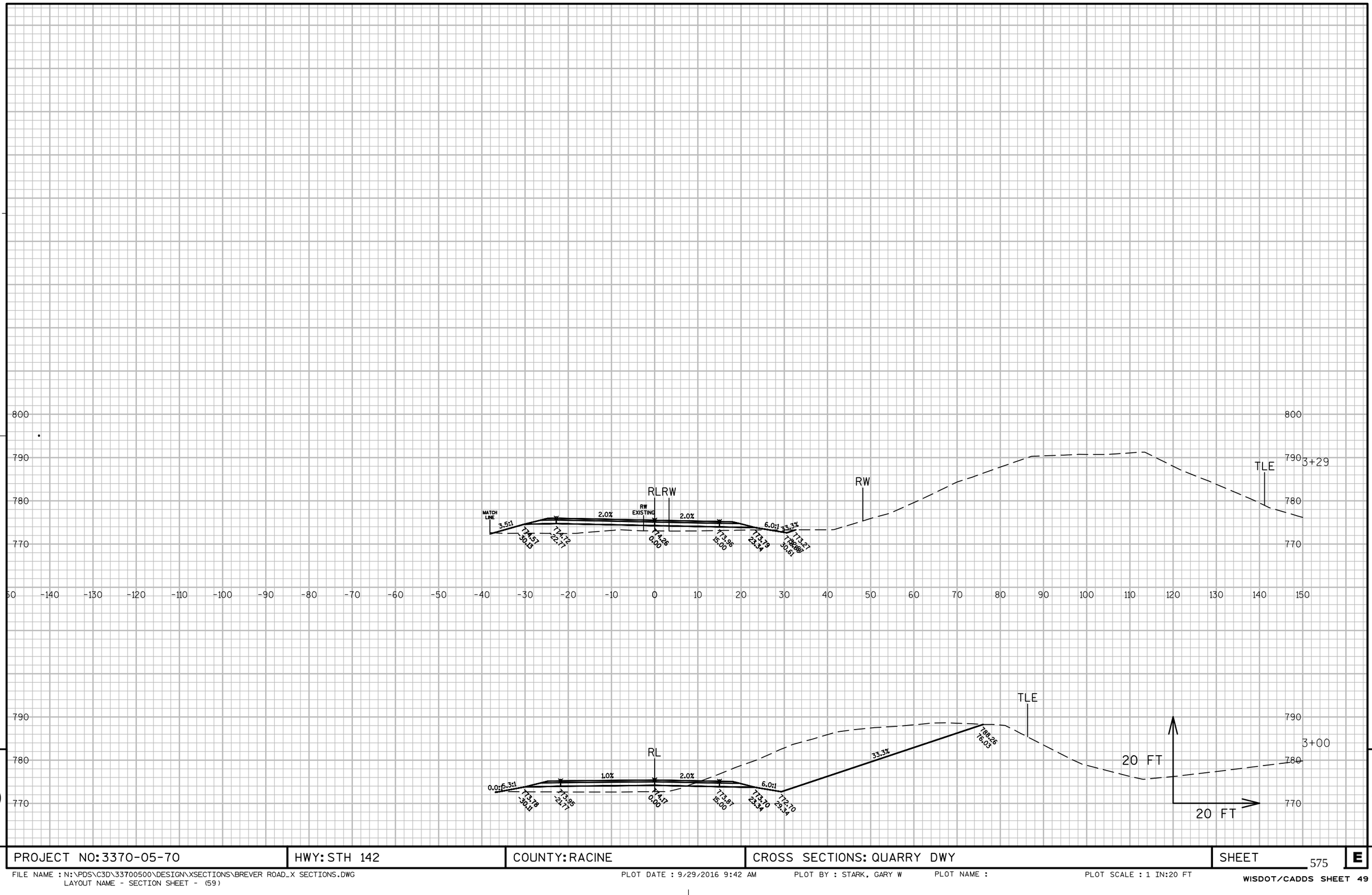
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: QUARRY DWY	SHEET 573	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\BREVER ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (57)

PLOT DATE : 9/29/2016 9:42 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:20 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: QUARRY DWY	SHEET 574	E



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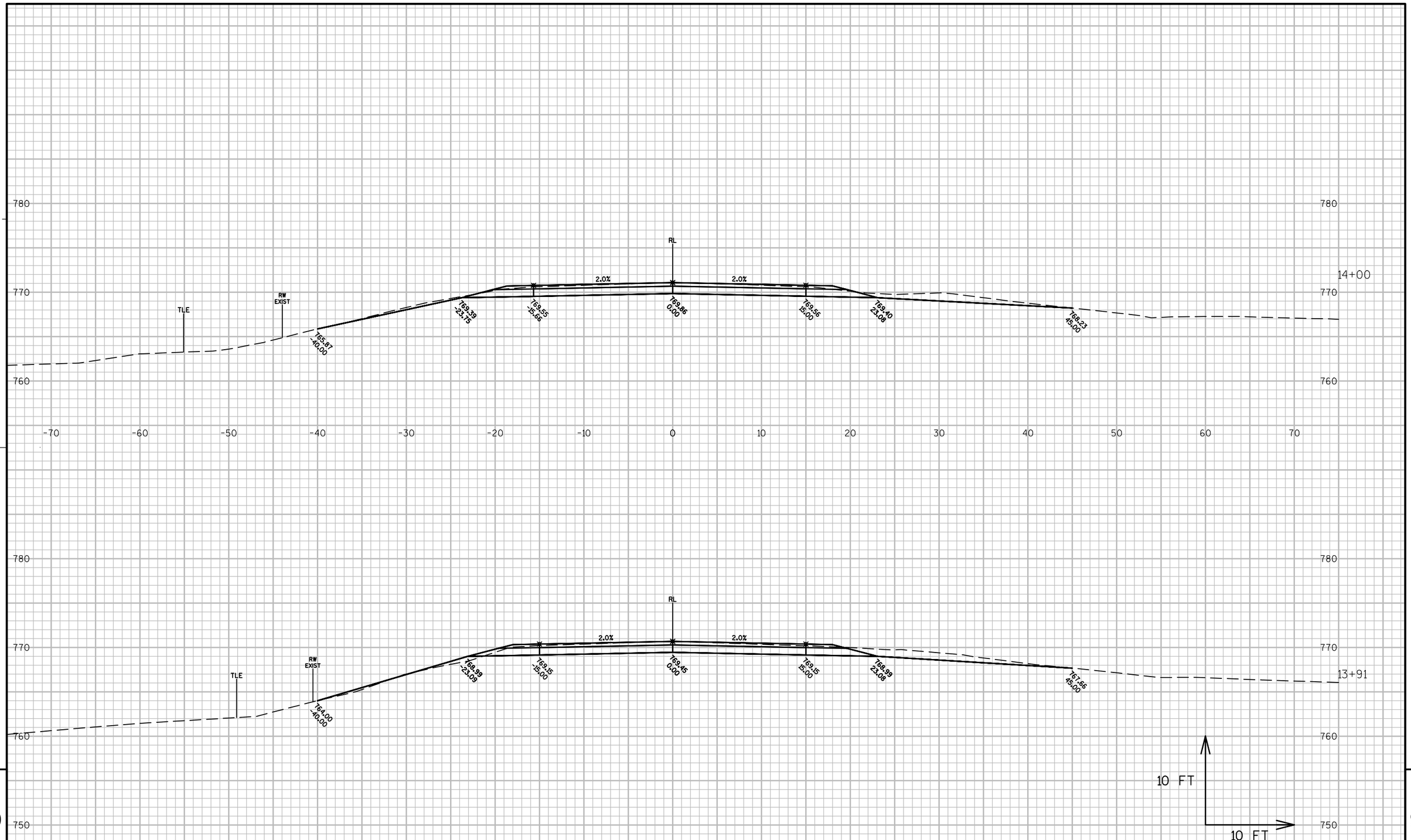
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: QUARRY DWY	SHEET 575	E



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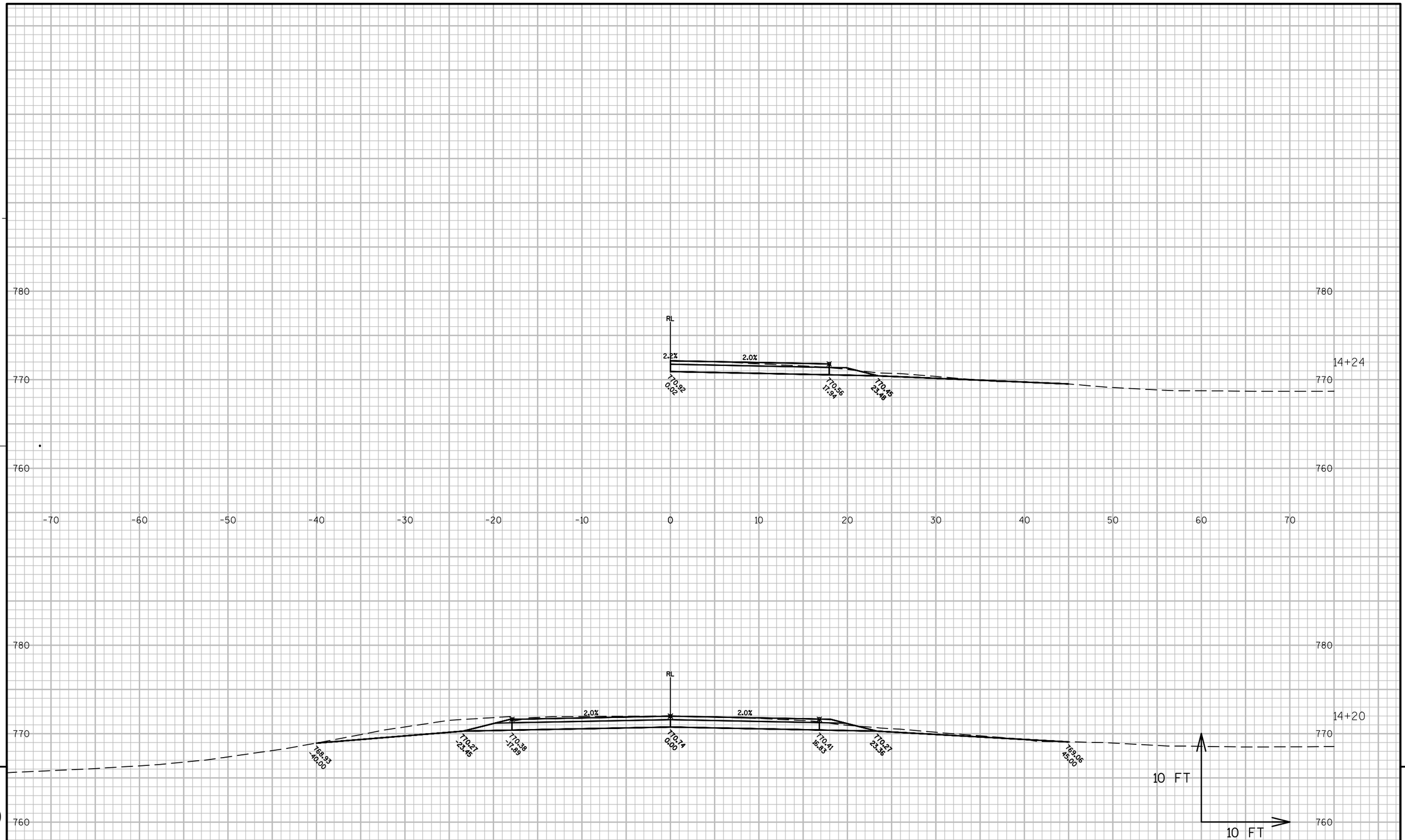
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHEATLAND ROAD	SHEET 576	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (45)
PLOT DATE : 9/29/2016 10:05 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



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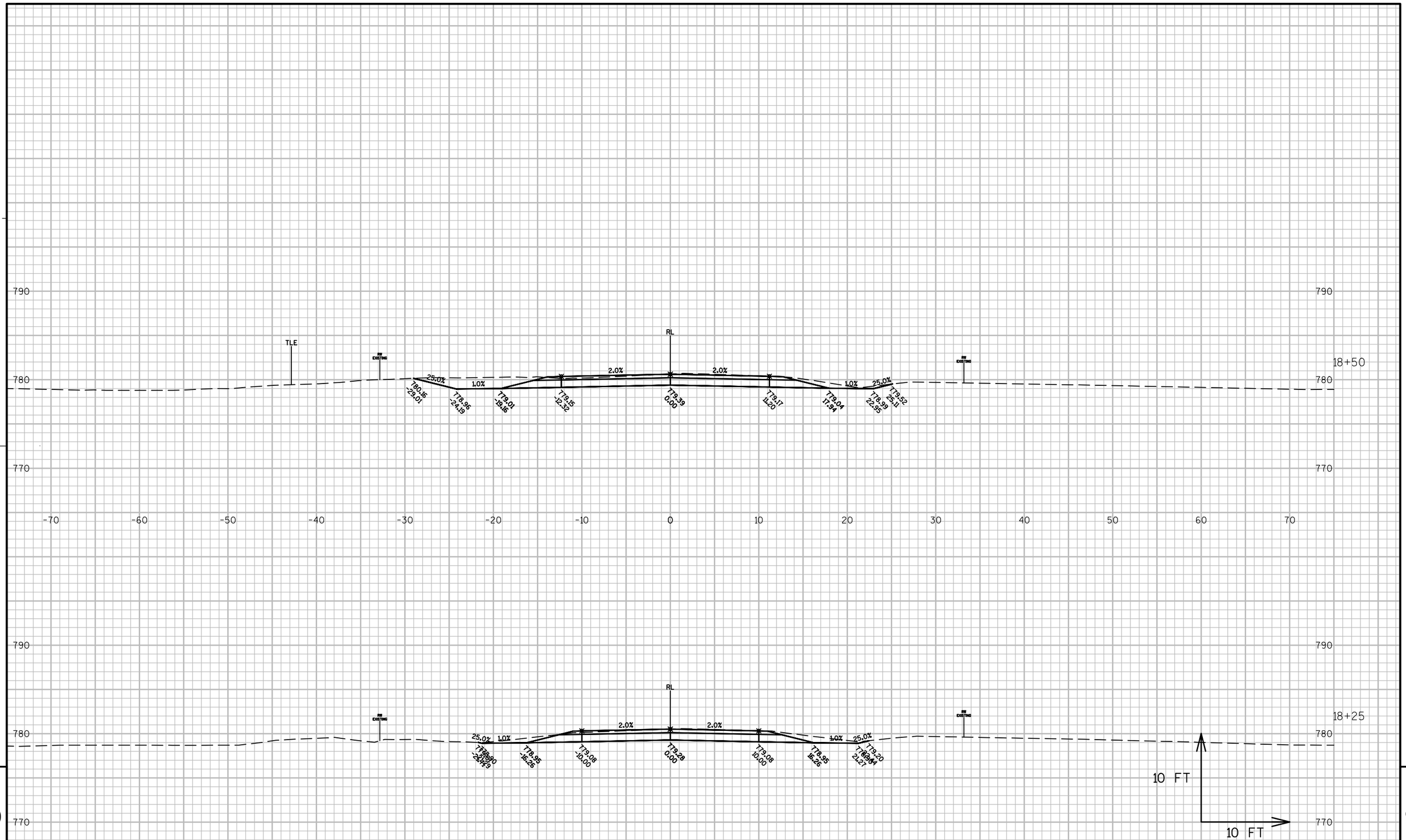
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WHEATLAND ROAD	SHEET 577	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WHEATLAND ROAD_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (46)

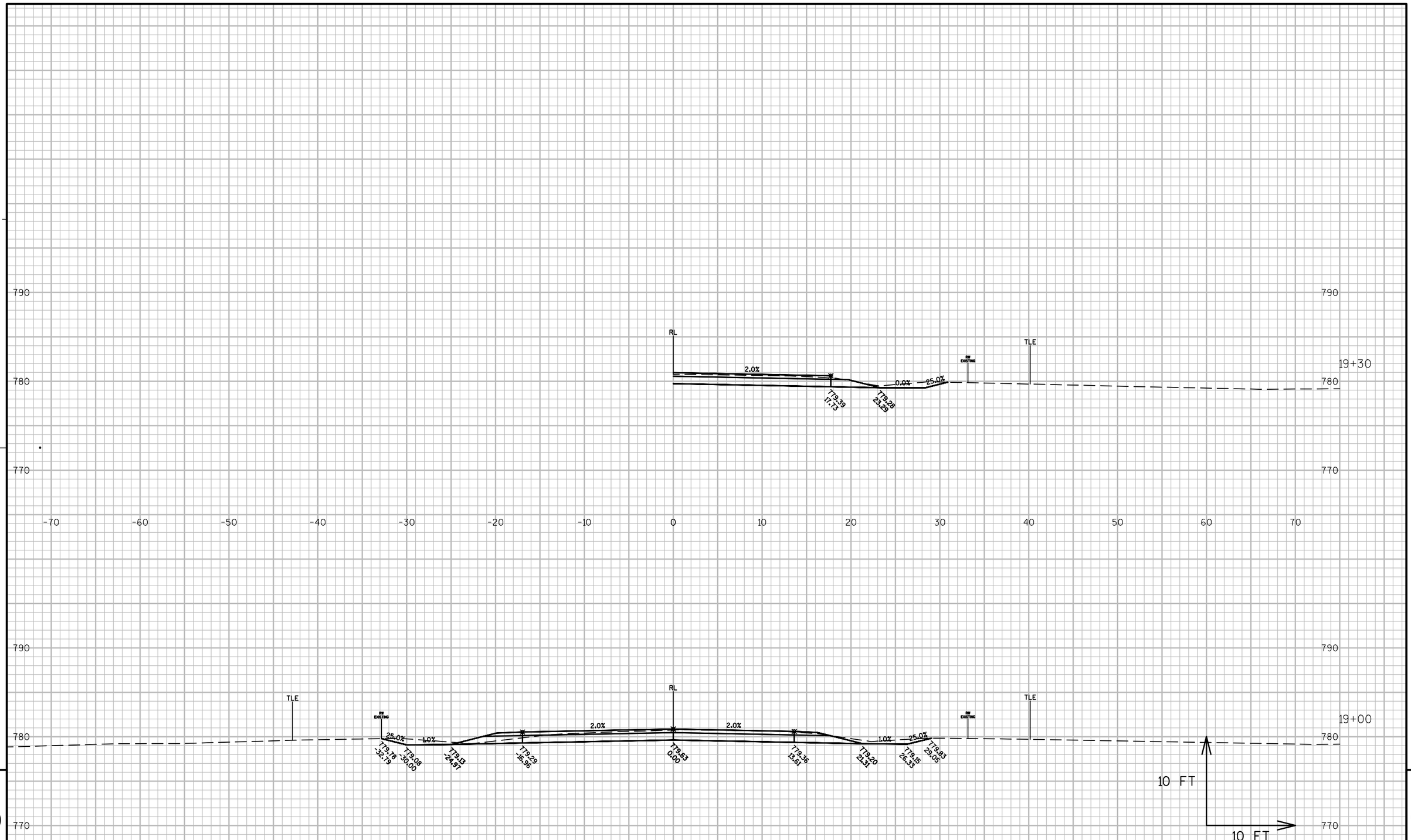
PLOT DATE : 9/29/2016 10:06 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WOMACK LN	SHEET 578	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (16)

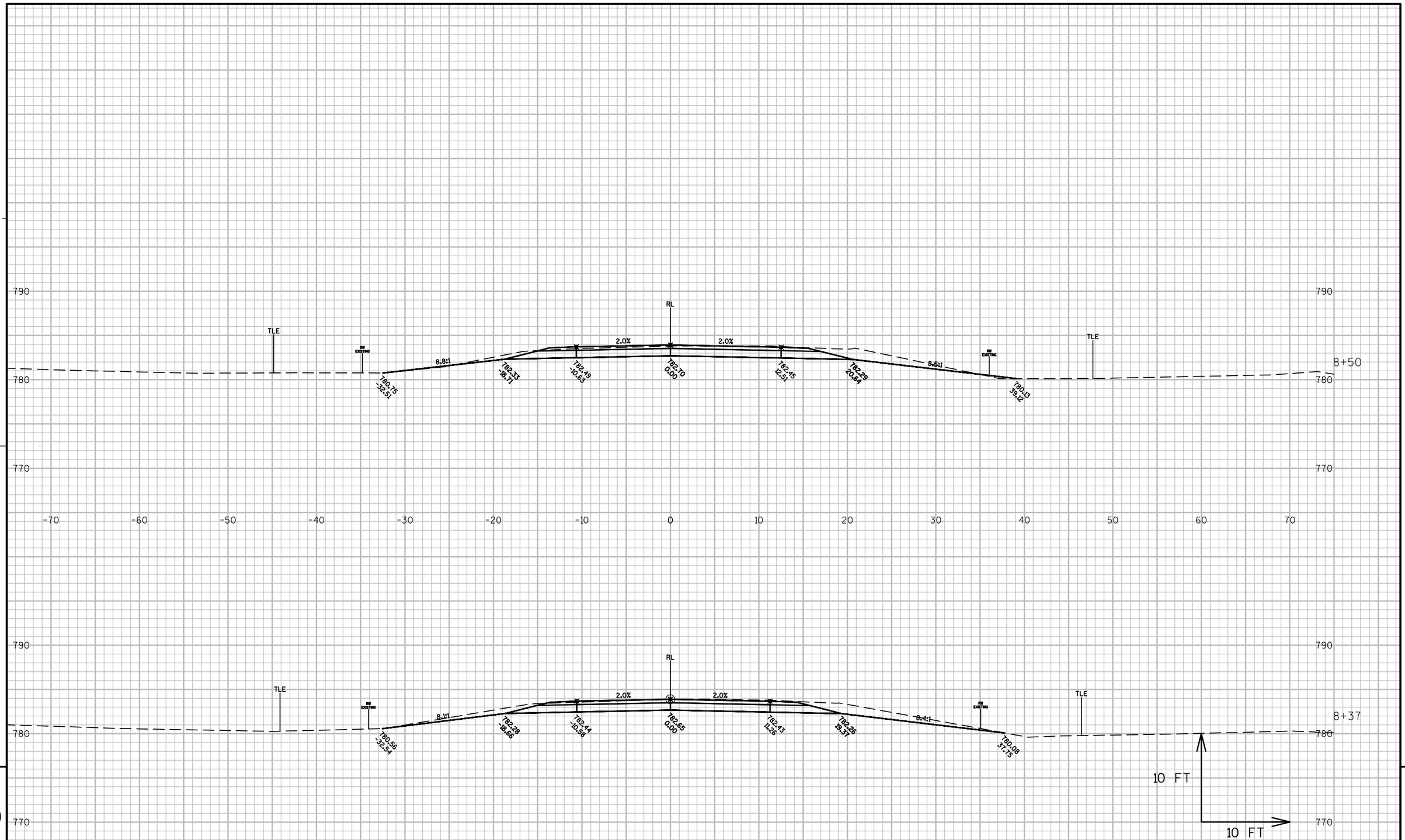
PLOT DATE : 9/29/2016 10:19 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: WOMACK LN	SHEET 579	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\WOMACK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (17)

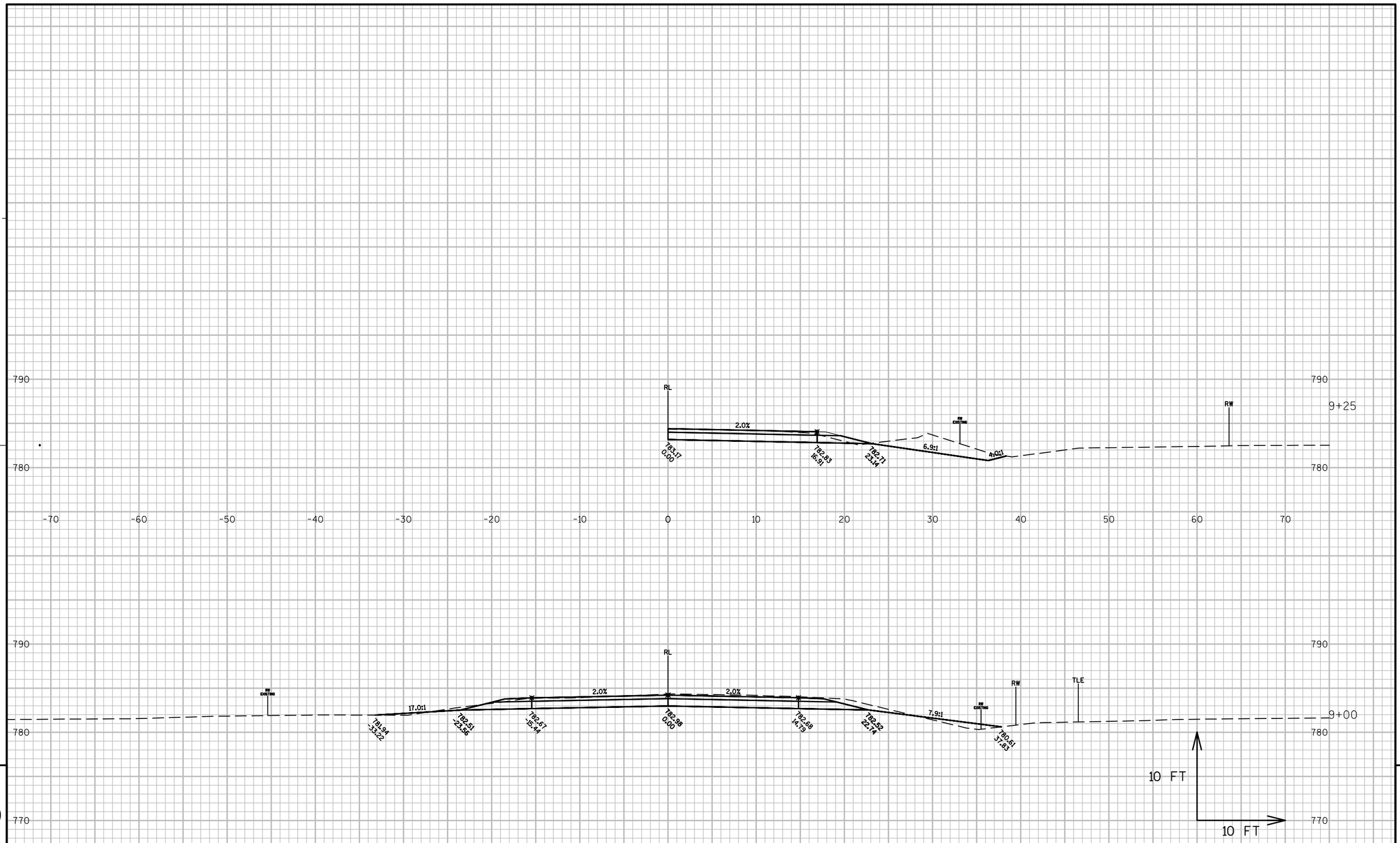
PLOT DATE : 9/29/2016 10:19 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHAGBARK LN	SHEET 580	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (16)

PLOT DATE : 9/29/2016 10:46 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

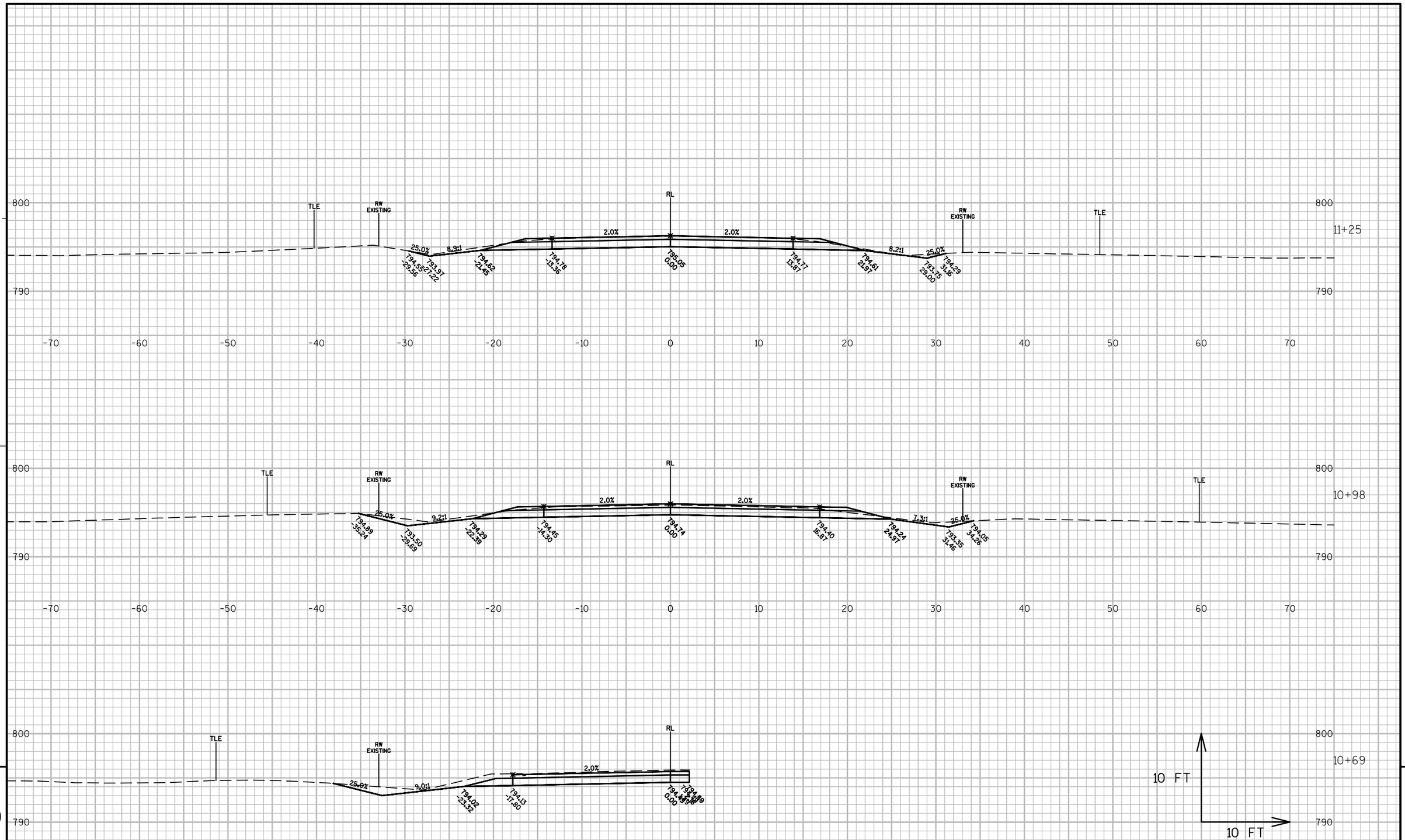


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: SHAGBARK LN	SHEET 581	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\SHAGBARK LANE_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (17)

PLOT DATE : 9/29/2016 10:46 AM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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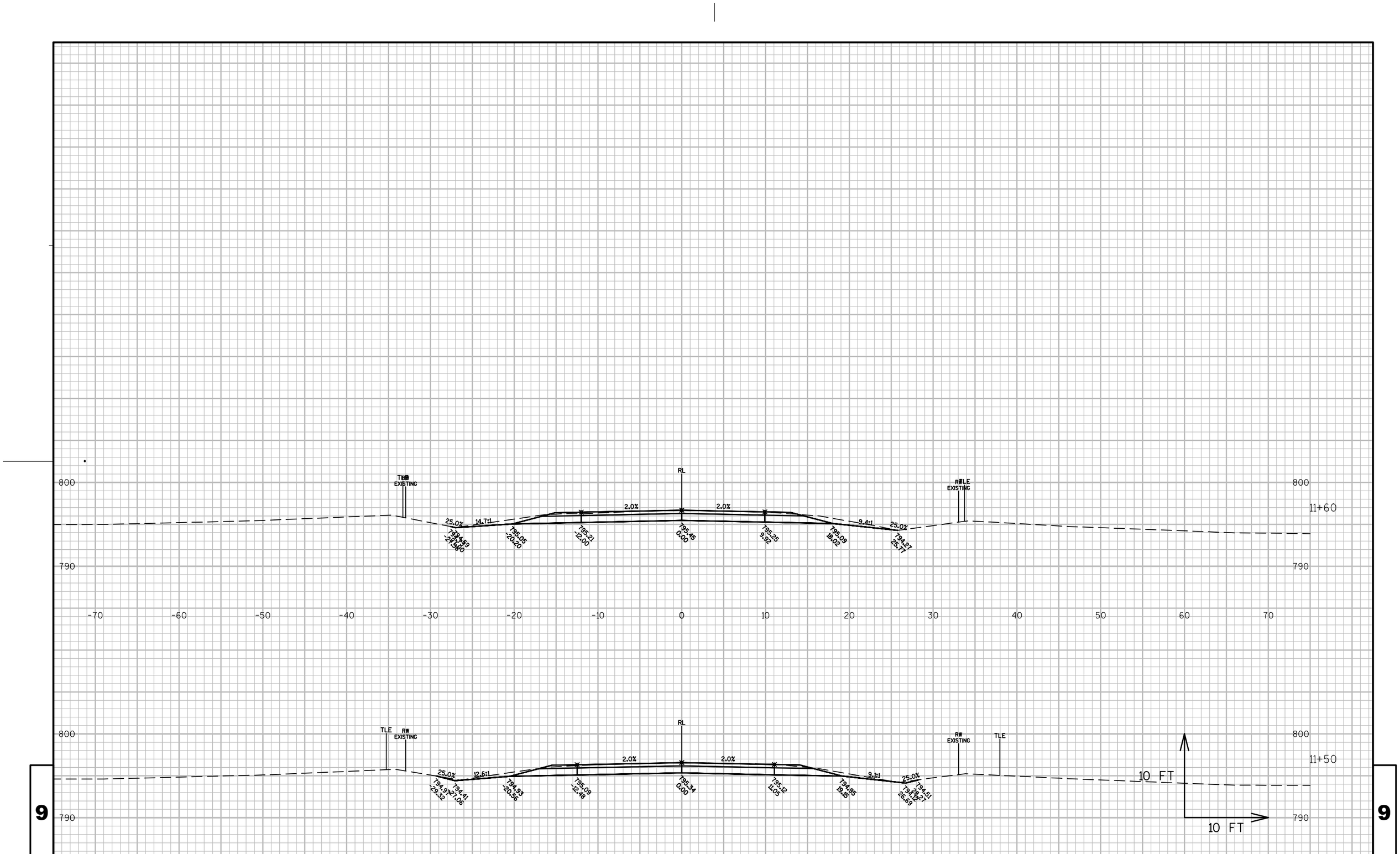
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: HORSESHOE TR	SHEET 582	E

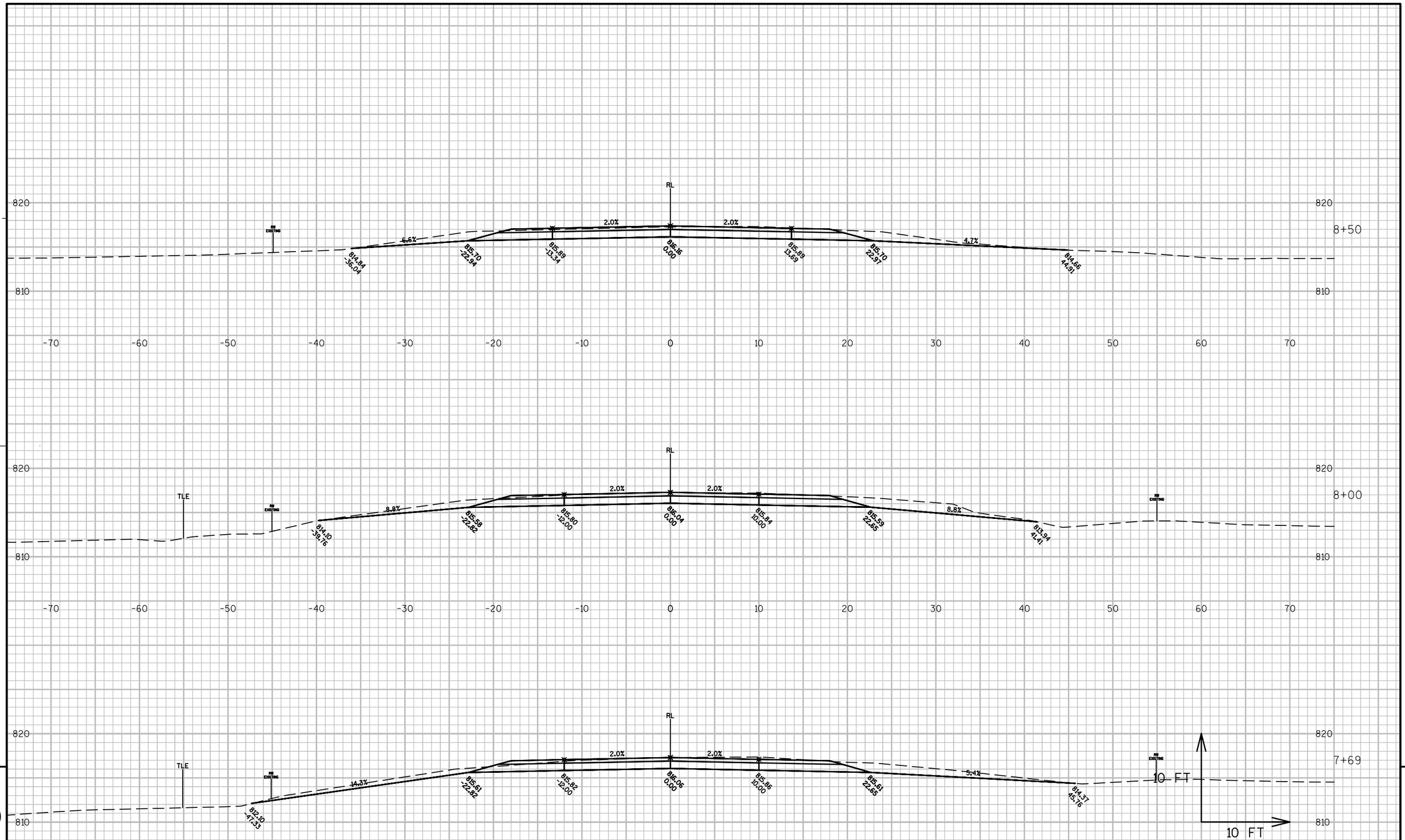
FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (19)
PLOT DATE : 9/29/2016 1:32 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 49



PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: HORSESHOE TR	SHEET 583	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\HORSESHOE TRAIL_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (20)

PLOT DATE : 9/29/2016 1:32 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



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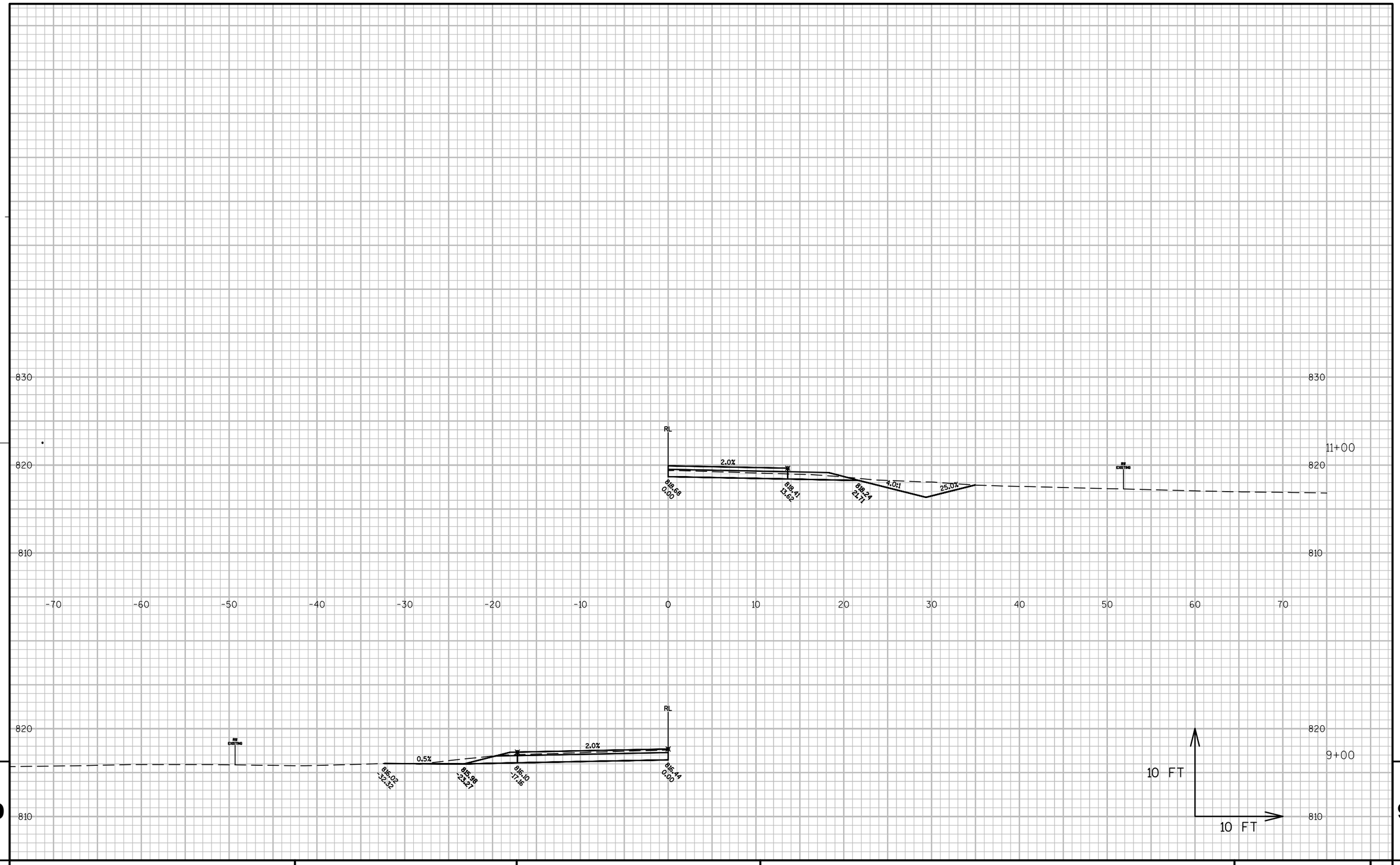
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: CTH J	SHEET 584	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (27)

PLOT DATE : 9/29/2016 1:44 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT



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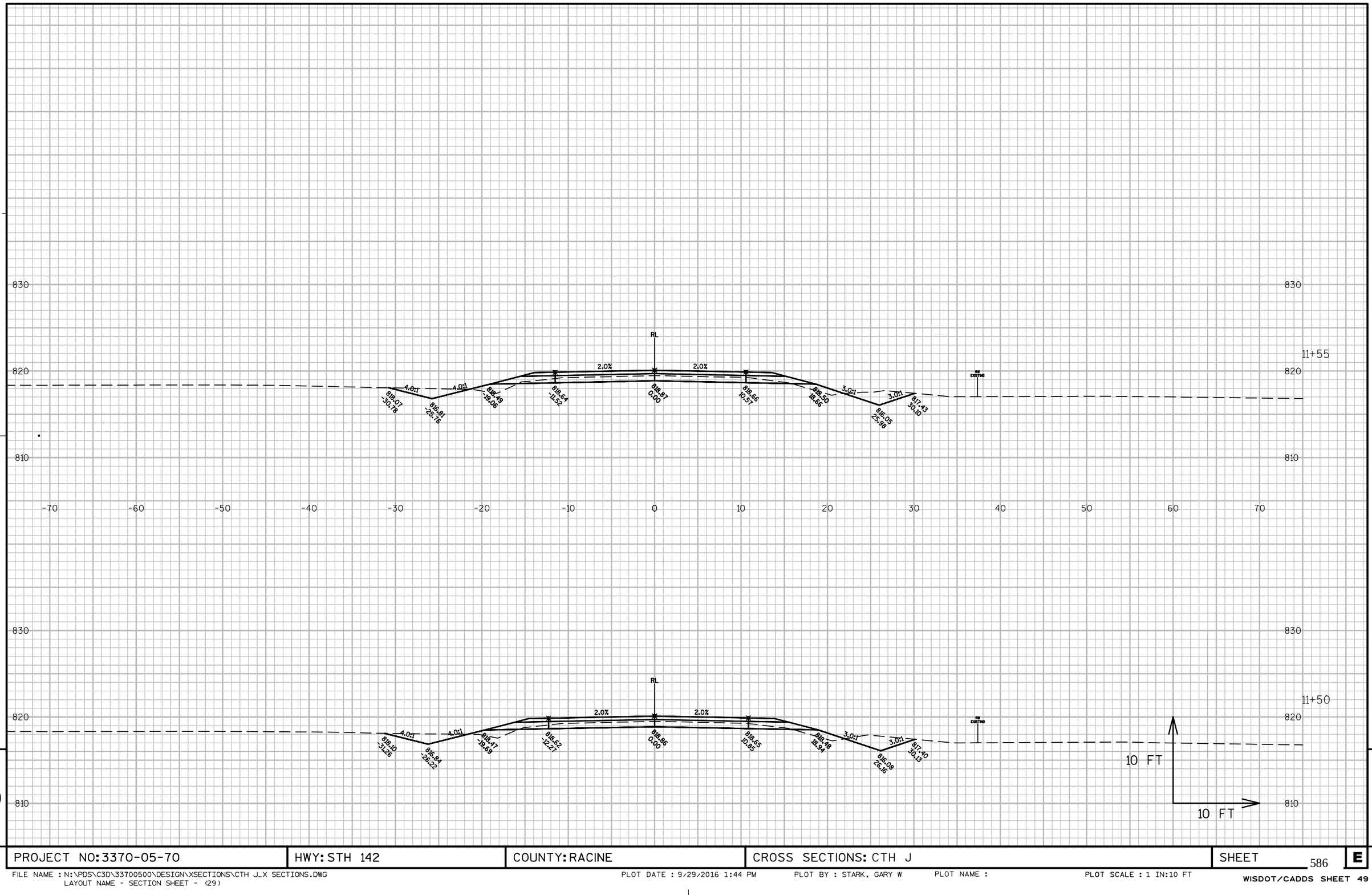
PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: CTH J	SHEET 585	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (28)

PLOT DATE : 9/29/2016 1:44 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

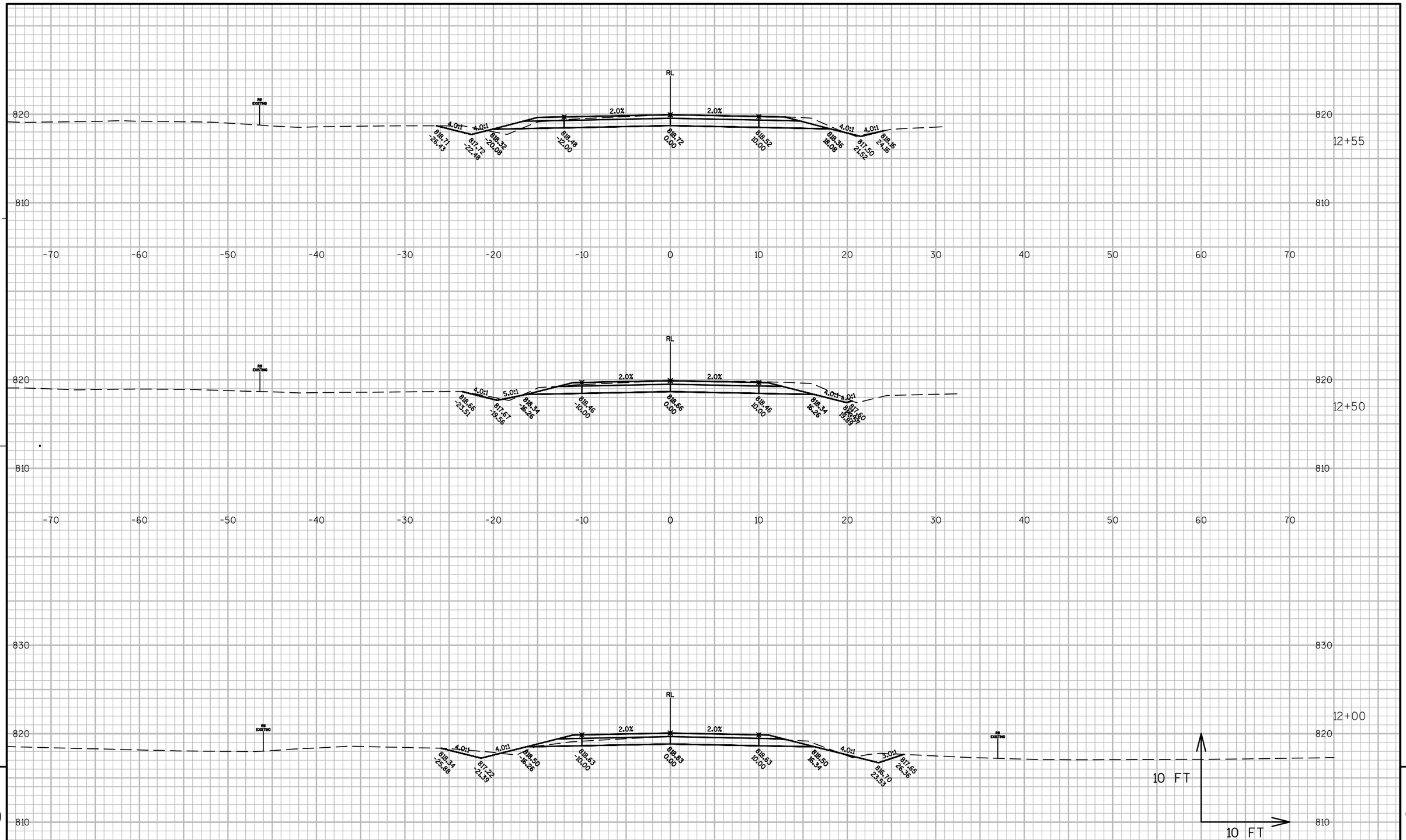


PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: CTH J	SHEET 586	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (29)

PLOT DATE : 9/29/2016 1:44 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49



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PROJECT NO: 3370-05-70	HWY: STH 142	COUNTY: RACINE	CROSS SECTIONS: CTH J	SHEET 587	E

FILE NAME : N:\PDS\C3D\33700500\DESIGN\XSECTIONS\CTH J_X SECTIONS.DWG
LAYOUT NAME - SECTION SHEET - (30)

PLOT DATE : 9/29/2016 1:44 PM PLOT BY : STARK, GARY W PLOT NAME : PLOT SCALE : 1 IN:10 FT

Wisconsin Department of Transportation

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