PROJECT ID: 1033-02-71,1033-02-76

WITH:

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 =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1033-02-71		
1033-02-76		

"APPROVED FOR DESIGN OF UTILITY ADJUSTMENTS"

AUGUST 19, 2019
REV2

N-S FREEWAY - STH 20 INTERCHANGE

STH 20 INTERCHANGE - STH 20
IH 94
RACINE COUNTY

STATE PROJECT NUMBER
1033-02-71

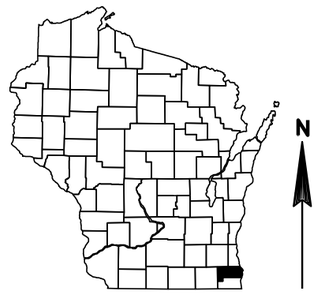
SIGN BRIDGES

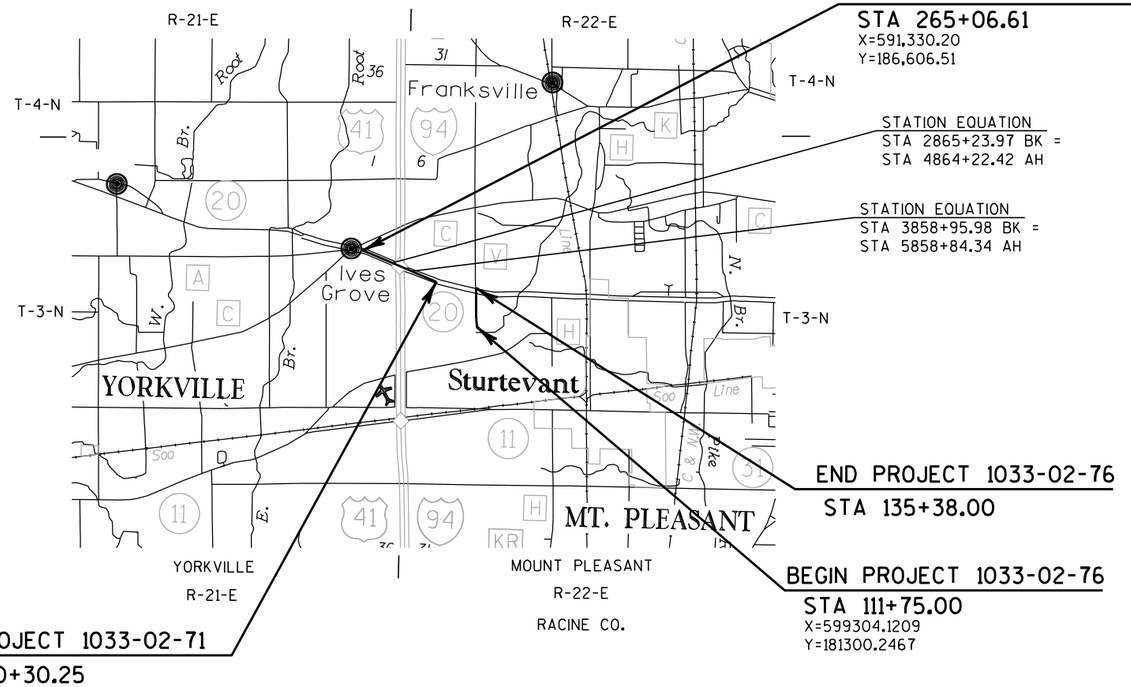
S-51-227
S-51-228
S-51-229
S-51-230
S-51-249
S-51-250
S-51-259
S-51-260
S-51-261

INTERNATIONAL DRIVE TRAFFIC MITIGATION

STH 20 LIMITS TO INT'L DR CONST
INTERNATIONAL DRIVE
RACINE COUNTY

STATE PROJECT NUMBER
1033-02-76





BEGIN PROJECT 1033-02-71
STA 265+06.61
X=591,330.20
Y=186,606.51

STATION EQUATION
STA 2865+23.97 BK =
STA 4864+22.42 AH

STATION EQUATION
STA 3858+95.98 BK =
STA 5858+84.34 AH

END PROJECT 1033-02-76
STA 135+38.00

BEGIN PROJECT 1033-02-76
STA 111+75.00
X=599304.1209
Y=181300.2467

END PROJECT 1033-02-71
STA 330+30.25

YORKVILLE
R-21-E

MOUNT PLEASANT
R-22-E
RACINE CO.

LAYOUT
SCALE 0 1.0 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.236 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY, NAD83(1997)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM NAVD88 (1991).

DESIGN DESIGNATION

	STH 20	NW FRONTAGE ROAD	NE FRONTAGE ROAD	SW FRONTAGE ROAD	SE FRONTAGE ROAD
A.A.D.T. 2022 =	25,800	2022 = 4,278	2022 = 3,939	2022 = 8,328	2022 = 10,428
A.A.D.T. 2040 =	55,400	2040 = 4,831	2040 = 9,759	2040 = 9,878	2040 = 15,028
D.H.V. =	5,374	= 304	= 727	= 711	= 1,029
D.D. =	59/41	= 51/49	= 51/49	= 55/45	= 65/35
T. =	15%	= 15%	= 12%	= 20%	= 18%
DESIGN SPEED =	50 MPH	= 40 MPH	= 40 MPH	= 40 MPH	= 40 MPH
ESALS =	20,629,800	= 1,138,800	= 1,138,800	= 1,138,800	= 1,138,800

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

UTILITIES

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

ORIGINAL PLANS PREPARED BY
ch2m:
MILWAUKEE, WISCONSIN

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	CH2M
Project Manager	FRANK PRITZLAFF
District Examiner	
District Supervisor	MANOJOY NAG
C.O. Examiner	

APPROVED FOR DISTRICT OFFICE

DATE: _____ (Signature)

PRE_1

E

UTILITY CONTACTS

AT&T LEGACY
c/o KEN NINE
JMC ENGINEERS & ASSOCIATES, INC.
110 NORTH MAIN STREET
CULVER, IN 46511
PHONE: (574) 842-8830
CELL: (574) 904-6336
knine@jmceainc.com

AT&T WISCONSIN
JEFF OLDENBURG
2005 PEWAUKEE ROAD
WAUKESHA, WI 53188
PHONE: (262) 896-7522
jo2376@att.com

CHARTER COMMUNICATIONS
BEAU ABUYA
1320 N. MARTIN LUTHER KING JR. DRIVE
MILWAUKEE, WI 53212
PHONE: (414) 908-1343
CELL: (414) 758-9241
beau.abuya@charter.com
wis.engineering@charter.com

LEVEL 3 COMMUNICATIONS
BRAHIM GADDOUR
OSP ENGINEERING DEPT.
3235 INTERTECH DRIVE, SUITE 600
BROOKFIELD, WI 53045
PHONE: (414) 908-1027
CELL: (414) 704-1026
gaddour.brahim@level3.com
NationalRelo@centurylink.com

MIDWEST FIBER NETWORKS
RICHARD TRGOVEC
6070 N. FLINT ROAD
GLENDALE, WI 53209
PHONE: (414) 459-3554
CELL: (414) 349-2979
rtrgovec@midwestfibernetworks.com

MOUNT PLEASANT, VILLAGE OF - SEWER
ANTHONY BEYER
8811 CAMPUS DRIVE
MOUNT PLEASANT, WI 53406
PHONE: (262) 664-7849
tbeyer@mtpleasantwi.gov

RACINE WATER WORKS COMMISSION
CHAD REGALIA
800 CENTER STREET, ROOM 227
RACINE, WI 53403
PHONE: (262) 497-4611
chad.regalia@cityofracine.org

ROGERS TELECOM
VICKIE MORAN
4804 N. 40TH STREET
SHEBOYGAN, WI 53083
PHONE: (920) 395-7125
vmoran@gabes.com

STURTEVANT, VILLAGE OF - SEWER
JEFF SEITZ
2801 89TH STREET
STURTEVANT, WI 53177
PHONE: (262) 886-7202
seitzj@sturtevant-wi.gov

TDS METROCOM
MATTHEW SCHULTE
16924 WEST VICTOR ROAD
NEW BERLIN, WI 53151
PHONE: (262) 754-3063
CELL: (262) 409-1177
matt.schulte@tdstelecom.com

VERIZON BUSINESS / MCI
TOM BUHER
7719 WEST 60TH PLACE
P.O. BOX 387
SUMMIT, IL 60501
PHONE: 708-458-6410
CELL: 708-261-1394
thomas.buher@verizon.com

WE ENERGIES - ELECTRIC
DAN TOOMEY
500 S. 116TH STREET
WEST ALLIS, WI 53214
OFFICE: (414) 944-5695
CELL: (414) 254-8459
dan.toomey@we-energies.com

WE ENERGIES - GAS
DAN TOOMEY
500 S. 116TH STREET
WEST ALLIS, WI 53214
PHONE: (414) 944-5695
CELL: (414) 254-8459
dan.toomey@we-energies.com

WINDSTREAM
MARY FISHER
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
PHONE: (414) 792-7938
Mary.B.Fisher@windstream.com

WISDOT - LIGHTING
ERIC PEREA
141 NW BARSTOW STREET
WAUKESHA, WI 53187
PHONE: (262) 574-5422
CELL: (414) 750-0935
eric.perea@dot.wi.gov

(CONTINUED ON NEXT SHEET)

OTHER AGENCIES

MOUNT PLEASANT, VILLAGE OF
MARK BENISH
8700 CAMPUS DRIVE
MOUNT PLEASANT, WI 53406
PHONE: (262) 664-7844
mbenish@mtpleasantwi.gov

RYDE – RACINE TRANSIT
MICHAEL MAIERLE
TRANSPORTATION & PARKING SYSTEMS MANAGER
CITY OF RACINE
730 WASHINGTON AVE., ROOM 304
RACINE, WI 53403
PHONE: (262) 636-9480
MICHAEL.MAIERLE@CITYOFRACINE.ORG

WILLIE MCDONALD
GENERAL MANAGER
RYDE
1900 KENTUCKY STREET
RACINE, WI 53405
PHONE: (262) 619-2443
WILLIE.MCDONALD@CITYOFRACINE.ORG

RACINE COUNTY DEPARTMENT OF PUBLIC WORKS & DEVELOPMENT SERVICES
ROLAND J. BEHM
COUNTY ENGINEER
14200 WASHINGTON AVENUE
STURTEVANT, WI 53177-1253
PHONE: (262) 886-8440 Ext. 3
roley.behm@racinecounty.com

SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
ROB MERRY
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
PHONE: (262) 953-4289
CELL: (920) 912-1036
rmerry@sewrpc.org

STURTEVANT, VILLAGE OF
MARY COLE
2801 89TH STREET
STURTEVANT, WI 53177
PHONE: (262) 886-7201
vilageadmin@sturtevant@sturtevant-wi.gov

YORKVILLE, TOWN OF
MICHAEL MCKINNEY
925 15TH AVENUE
UNION GROVE, WI 53182
PHONE: (262) 878-2123
michael@townofyorkville.com

STATE AGENCIES

WISCONSIN DEPARTMENT OF TRANSPORTATION
DOBRA PAYANT - ENVIRONMENTAL ANALYST AND
REVIEW SPECIALIST
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
CELL: (414) 750-2677
dobra.payant@dot.wi.gov

WISCONSIN DEPARTMENT OF NATURAL RESOURCES
KRISTINA BETZOLD
DNR SERVICE CENTER
2300 N. MARTIN LUTHER KING JR.
MILWAUKEE WI 53212
PHONE: (414) 507-4946
kristina.betzold@wisconsin.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION
GREG BERRY, PE
CONSTRUCTION UTILITY COORDINATING ENGINEER
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
CELL: (414) 750-7828
gregory.berry@dot.wi.gov

WISCONSIN DEPARTMENT OF TRANSPORTATION
FRANK PRITZLAFF, PE
PROJECT MANAGER
141 NW BARSTOW STREET
WAUKESHA, WI 53187-0798
PHONE: (262) 548-5683
frank.pritzlaff@dot.wi.gov

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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

UTILITY CONTACTS *(CONTINUED)*

WISDOT - SIGNALS
DERRIN WOLFORD, PE
SIGNAL OPERATIONS ENGINEER
141 NW BARSTOW STREET
WAUKESHA, WI 53187
PHONE: (262) 521-4409
CELL: (414) 750-2675
Derrin.wolford@dot.wi.gov

ELECTRICAL FIELD UNIT
935 S. 60TH STREET
WEST ALLIS, WI 53214
PHONE: (414) 266-1170

WISDOT - COMMUNICATIONS
JEFFREY MADSON
433 W ST. PAUL AVENUE
SUITE 300
MILWAUKEE, WI 53203
PHONE: (414) 225-3723
jeffrey.madson@dot.wi.gov

YORKVILLE SEWER UTILITY DISTRICT NO. 1 - SEWER
GARY HANSON
925 15TH AVENUE
PO BOX 15
UNION GROVE, WI 53182
PHONE: (262) 888-9439
yorkville_sewer@yahoo.com

YORKVILLE SEWER UTILITY DISTRICT NO. 1 - WATER
GARY HANSON
925 15TH AVENUE
PO BOX 15
UNION GROVE, WI 53182
PHONE: (262) 888-9439
yorkville_sewer@yahoo.com

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLANS
PLAN DETAILS
PAVING GRADES
EROSION CONSTROL
STORM SEWER
EXISTING SIGNING
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNALS
PAVEMENT MARKING
TRAFFIC CONTROL
STAGE CONSTRUCTION
DETOUR PLAN
ALIGNMENT LAYOUT

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L OR	CENTER OR CONSTUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPCS	CULVERT PIPE CORRUGATED STEEL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCE CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPER ELEVATION
SF	SQUARE FOOT
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT

GENERAL NOTES

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

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

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

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH GRANULAR BACKFILL AND PAID FOR AS INCIDENTAL TO THE ABANDON OR REMOVAL ITEM.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND PROVIDE DOCUMENTATION TO ENGINEER IN ACCORDANCE WITH SPECIFICATIONS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

THE QUANTITY OF SALVAGED TOPSOIL IS COMPUTED FROM MEASUREMENTS BETWEEN THE SUBGRADE SHOULDER POINTS AND THE SLOPE INTERCEPTS AS SHOWN ON THE CROSS SECTIONS PLUS 5 FEET FOR ROUNDING.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 4 INCHES OR 0 TO 6 INCHES IN 6 FEET.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE, UNLESS OTHERWISE NOTED IN THE PLANS.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP OR HEAVY RIPRAP.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

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

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

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

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED, EROSION MATTED AND SEEDED AS DIRECTED BY THE ENGINEER.

INLET PROTECTION IS REQUIRED AT ALL INLETS AS PER DETAIL OR AS DIRECTED BY THE ENGINEER.

CONCRETE MEDIAN SLOPED NOSE SHALL BE CONSTRUCTED FOR ALL MEDIAN OPENINGS AT INTERSECTIONS WITH CURB & GUTTER.

HMA PAVEMENT AND CONCRETE DRIVEWAYS OR PARKING LOTS SHALL BE SAWCUT AT THE MATCHLINE AS SHOWN ON THE PAVING DETAILS OR AS DIRECTED BY THE ENGINEER.

-A CONVERSION FACTOR OF 1.9 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR SELECT CRUSHED MATERIAL.

-A CONVERSION FACTOR OF 2.1 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 3/4-INCH.

-A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE 1 1/4-INCH.

-A CONVERSION FACTOR OF 112 LB/SY/IN IS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

EXISTING PIPE CULVERT SIZES AND CONCRETE BOX CULVERT SIZES SHOWN ARE APPROXIMATE AND CONTRACTOR WILL BASE BID ON THE ACTUAL FIELD CONDITIONS.

HMA PAVEMENT, TEMPORARY SHALL BE CONSTRUCTED IN A SINGLE LAYER.

ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

	PAVEMENT TYPE	TOTAL LAYER PAVEMENT THICKNESS	LAYERS
A	4 MT 58-28S 3 MT 58-28S 3 MT 58-28S	7.5"	2" UPPER LAYER 2 3/4" UPPER-LOWER LAYER 2 3/4" LOWER-LOWER LAYER
B	4 MT 58-28H	2"	2" UPPER LAYER
C	4 MT 58-28 H 3 MT 58-28 S	6"	2 1/2" UPPER LAYER 3 1/2" LOWER LAYER

ALL EXISTING STREET NAME SIGNS WILL BE REMOVED AND REPLACED BY THE TOWN OF YORKVILLE OR THE VILLAGE OF MOUNT PLEASANT.

COORDINATE WITH THE RACINE COUNTY PLANNING AND DEVELOPMENT DIRECTOR, JULIE ANDERSON, AT 262-886-8470 TO PERPETUATE SECTION CORNERS 10 DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION OPERATIONS.

2

TOWN OF YORKVILLE

VILLAGE OF MOUNT PLEASANT

N

CTH C/SPRING STREET

GREENMONTE DRIVE

STH 20

RAMP NW

RAMP NE

RAMP SE

RAMP SW

KILBOURN DRIVE

SPOKES CIRCLE

WEST FRONTAGE ROAD

GRANDVIEW PARKWAY

EAST FRONTAGE ROAD

GALAXY DRIVE

RED CLOUD DRIVE

INTERNATIONAL DRIVE

IH 94

RENAISSANCE BOULEVARD

BEGIN CONSTRUCTION
STA 260+63.47

BEGIN PROJECT 1033-02-71
STA 265+06.61

END CONSTRUCTION
STA 868NW+51.27

END CONSTRUCTION
STA 4868+00.00

B-51-129
(EXISTING SB)

B-51-130
(EXISTING NB)

END CONSTRUCTION
STA 866NE+94.77

END CONSTRUCTION
STA 5863+16.29

STATION EQUATION
STA 2865+23.97 BK=
STA 4864+22.42 AH

STATION EQUATION
STA 3858+95.98 BK=
STA 5858+84.34 AH

BEGIN CONSTRUCTION
STA 2857+00.00

BEGIN CONSTRUCTION
STA 858SW+56.91

BEGIN CONSTRUCTION
STA 855SE+90.00

BEGIN CONSTRUCTION
STA 3849+38.90

THE TRAFFIC SIGNALS AT STH 20 AND CTH H (RENAISSANCE BOULEVARD) WILL BE REPLACED AS PART OF THIS PROJECT. TRAFFIC SIGNAL INTERCONNECT WIRE WILL BE RUN FROM CTH V TO THE WEST FRONTAGE ROAD ALONG STH 20.

END CONSTRUCTION
STA 336+30.25

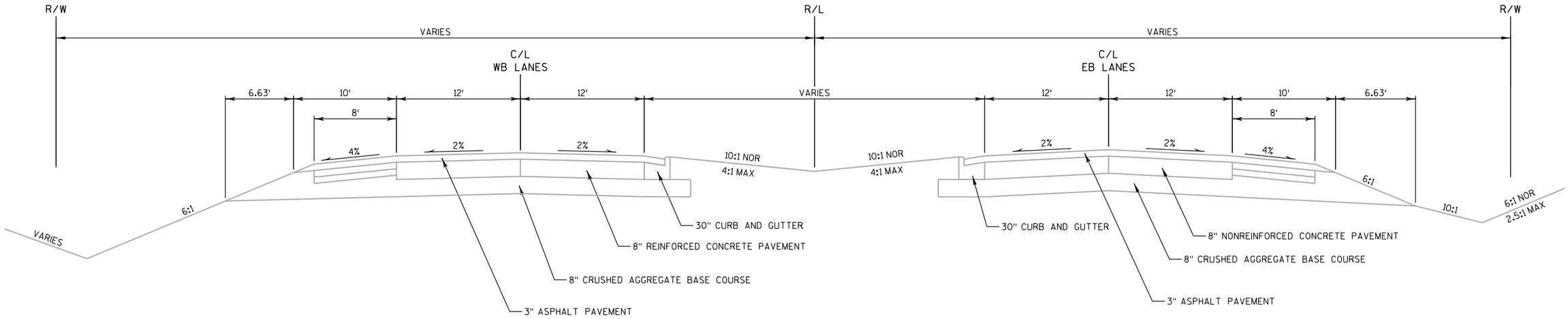
END PROJECT 1033-02-71
STA 330+30.25

END PROJECT 1033-02-76
STA 135+38.00

BEGIN PROJECT 1033-02-76
STA 111+75.00

½ MILES

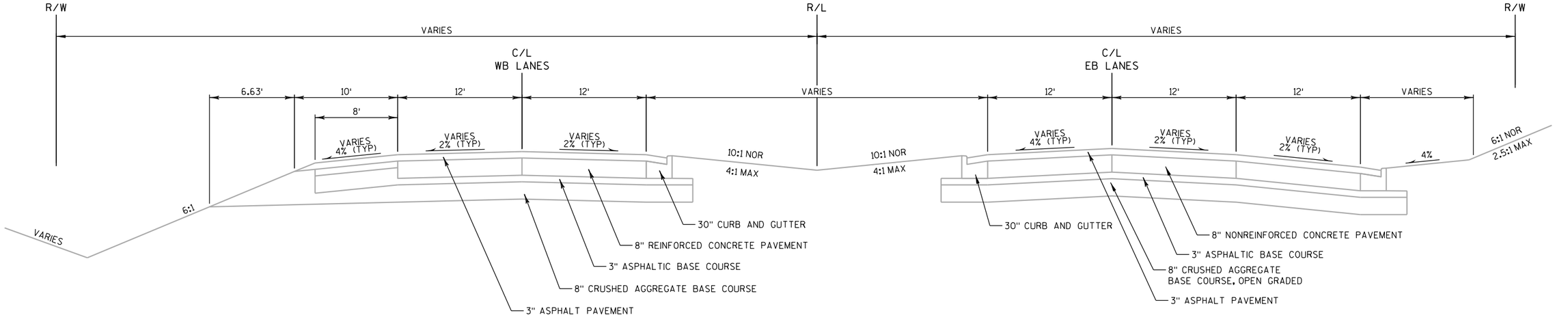
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PROJECT OVERVIEW	SHEET PRE_5	E



TYPICAL EXISTING SECTION

STH 20

STA 272+30 TO STA 282+00



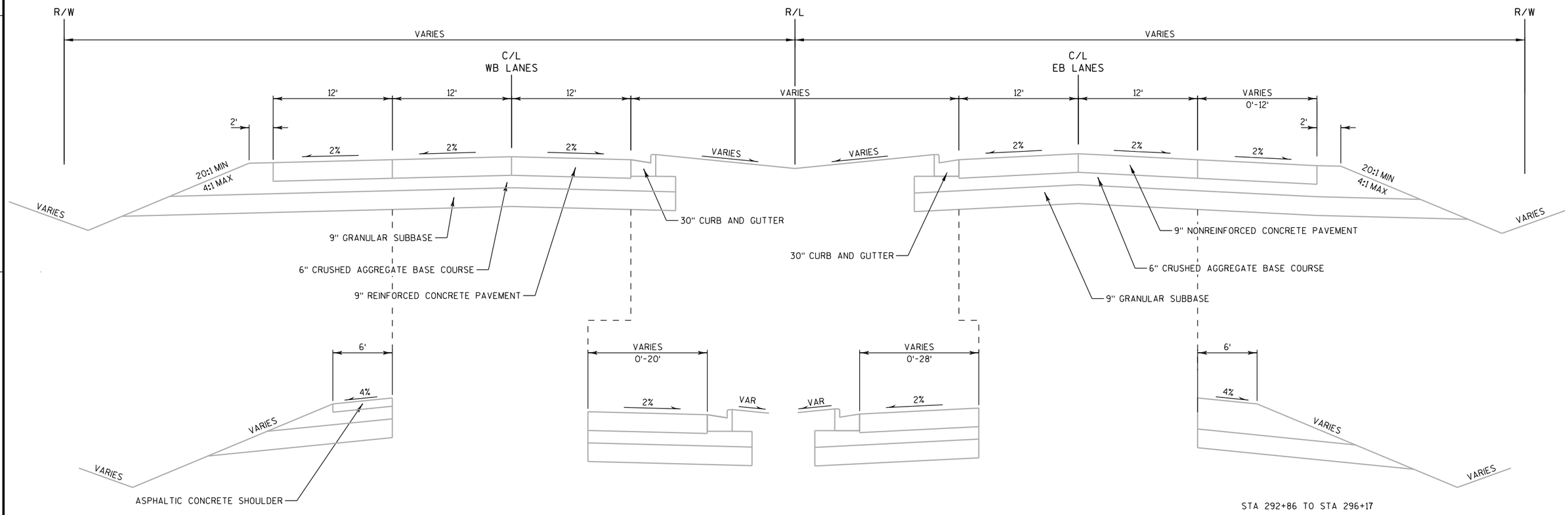
TYPICAL EXISTING SECTION

STH 20

STA 265+07 TO STA 272+30

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_6	E

2



STA 287+85 TO STA 291+05

STA 287+86 TO STA 291+76
STA 292+98 TO STA 295+85

STA 283+32 TO STA 286+96
STA 292+98 TO STA 295+84

STA 292+86 TO STA 296+17

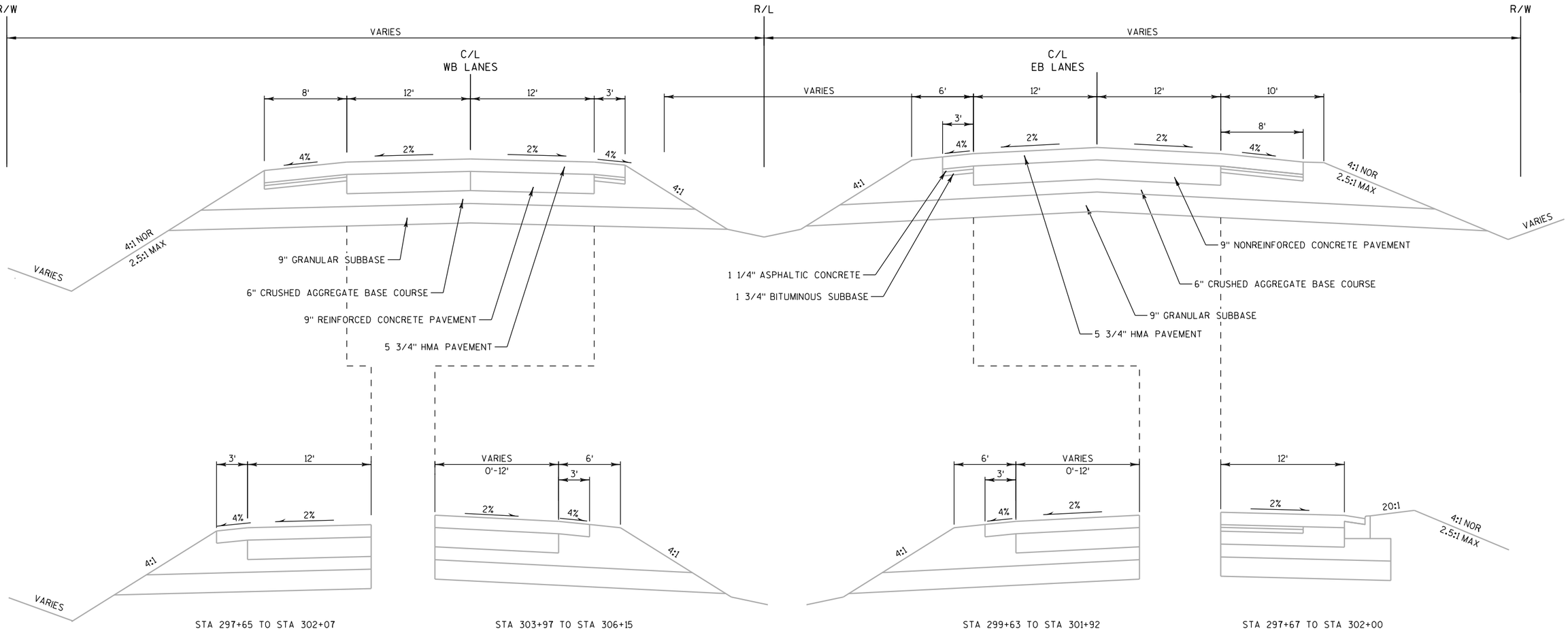
TYPICAL EXISTING SECTION

STH 20

STA 282+00 TO STA 297+65

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_7	E

2



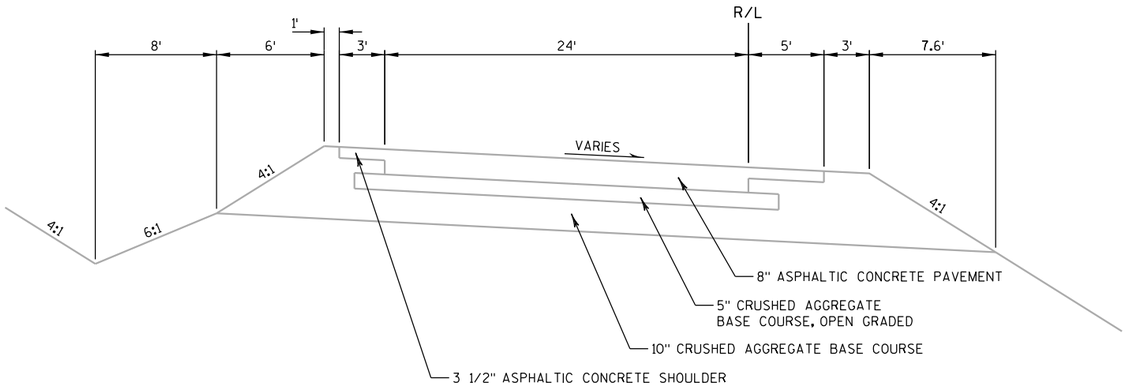
TYPICAL EXISTING SECTION

STH 20

STA 297+65 TO STA 338+66

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_8	E

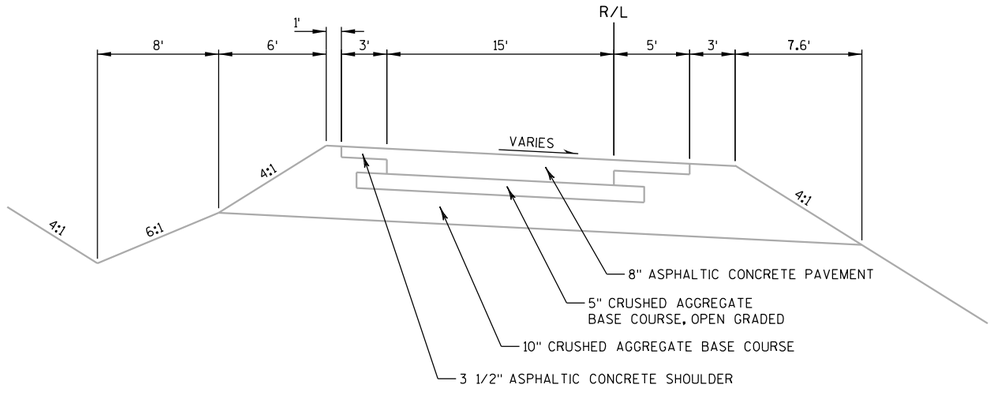
2



TYPICAL EXISTING SECTION

RAMPS

STA 855SE+90 TO STA 860SE+54
STA 864NW+33 TO STA 867NW+23

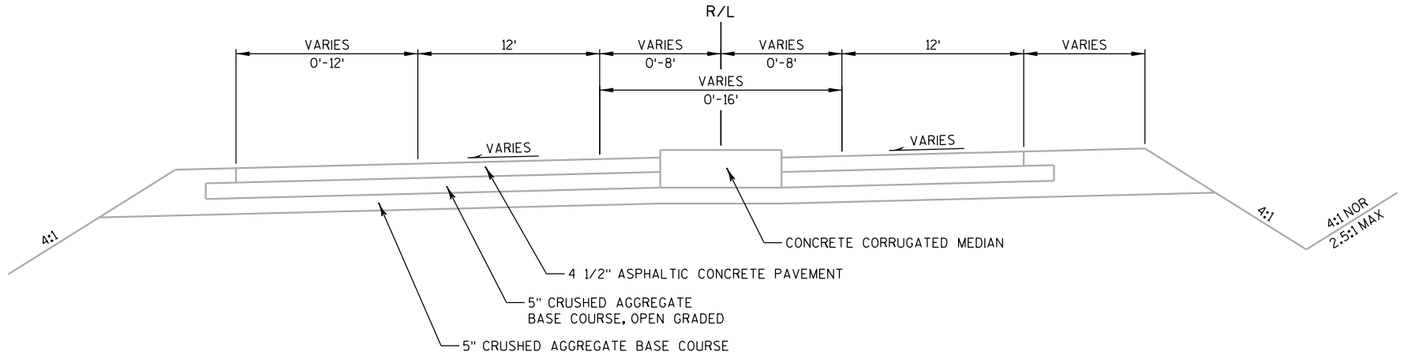


TYPICAL EXISTING SECTION

RAMPS

STA 861SW+41 TO STA 862SW+25
STA 861NE+92 TO STA 866NE+95

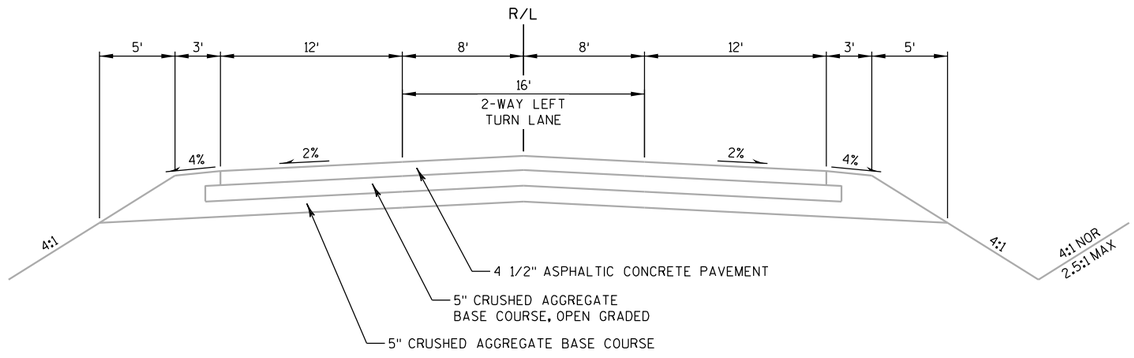
2



TYPICAL EXISTING SECTION

WEST FRONTAGE ROAD

STA 2861+89 TO STA 2864+28
STA 4865+07 TO STA 4868+00

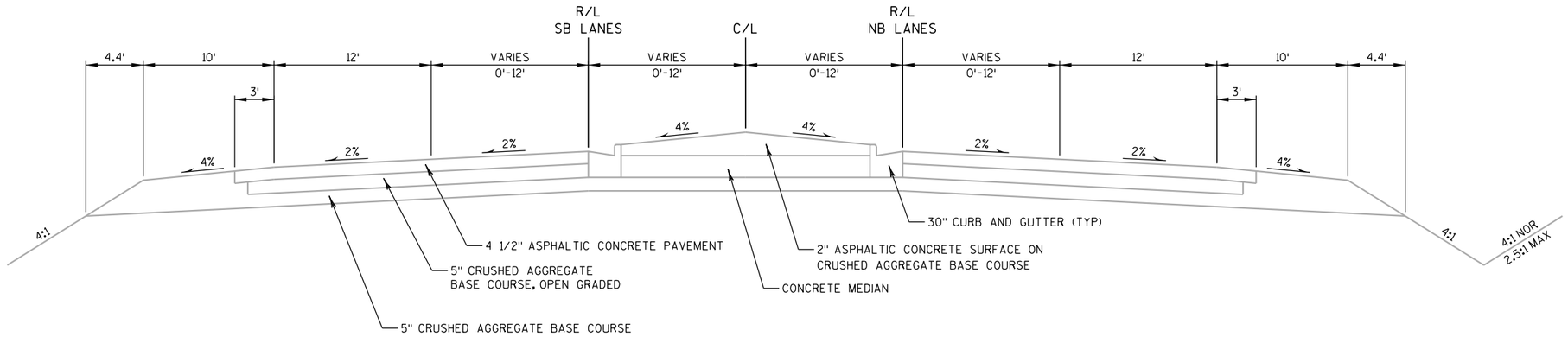


TYPICAL EXISTING SECTION

WEST FRONTAGE ROAD

STA 2857+00 TO STA 2861+89

2

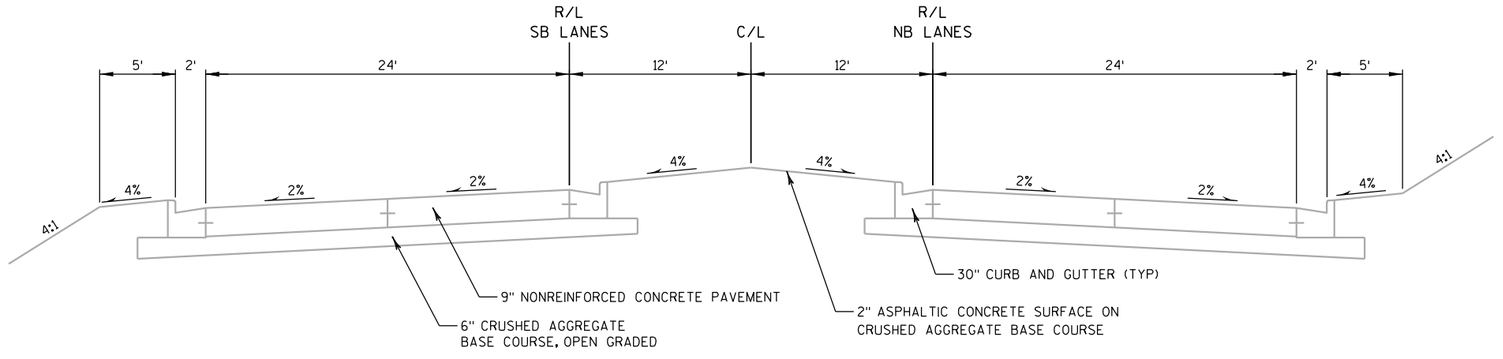


TYPICAL EXISTING SECTION

EAST FRONTAGE ROAD

SOUTH OF STH 20

STA 3852+00 TO STA 3858+17
STA 5859+56 TO STA 5863+15



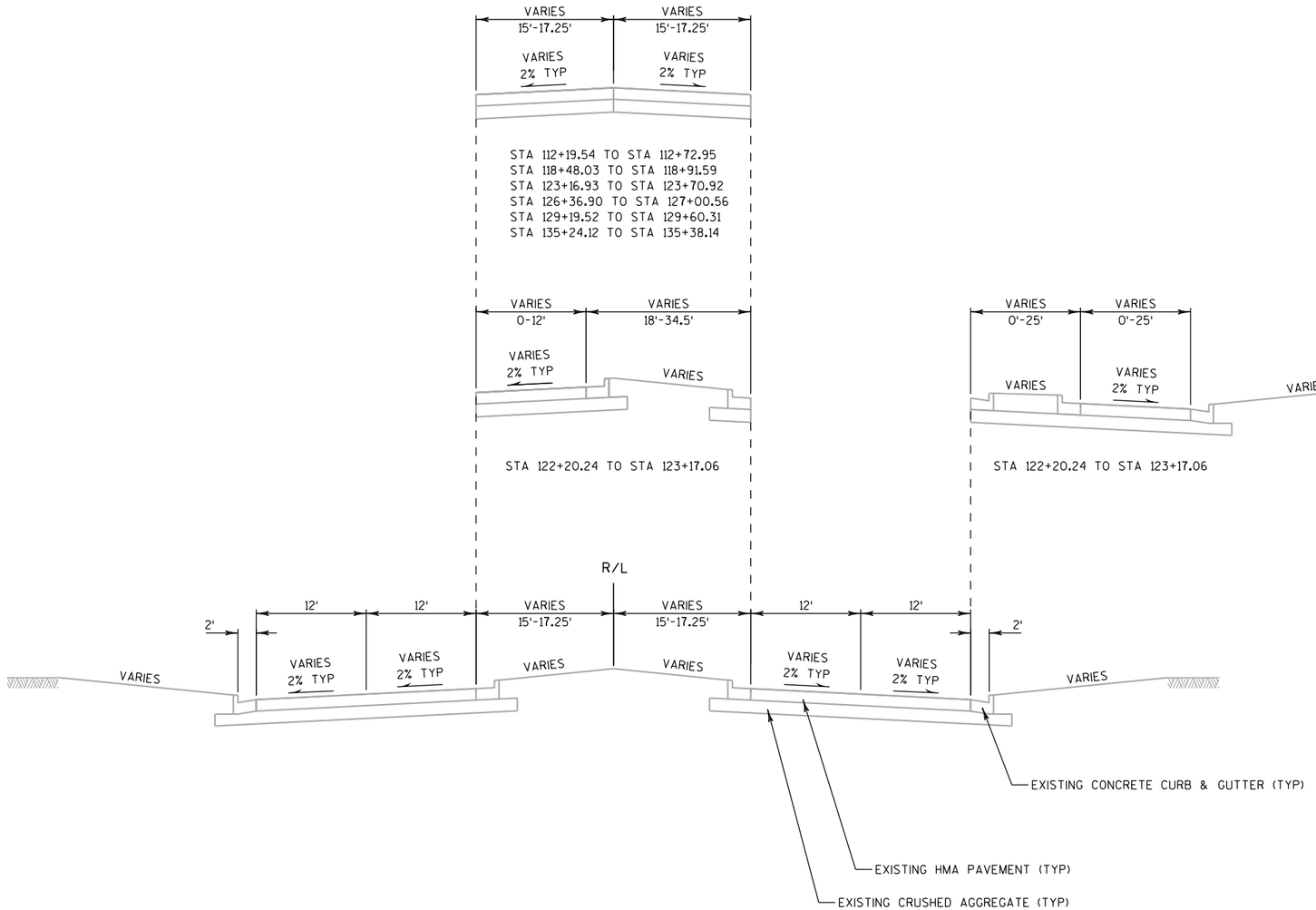
TYPICAL EXISTING SECTION

EAST FRONTAGE ROAD

STA 3853+00 TO STA 3857+70
STA 5859+56 TO STA 5863+15

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_12	E

2



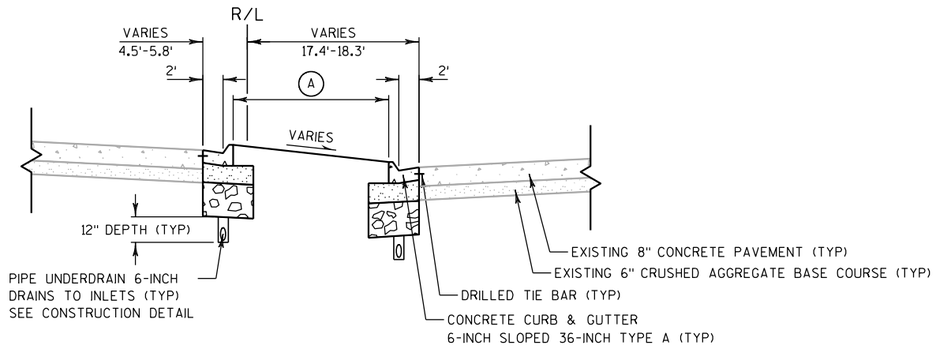
TYPICAL EXISTING SECTION

INTERNATIONAL DRIVE

STA 111+75 TO STA 135+38.14

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_13	E

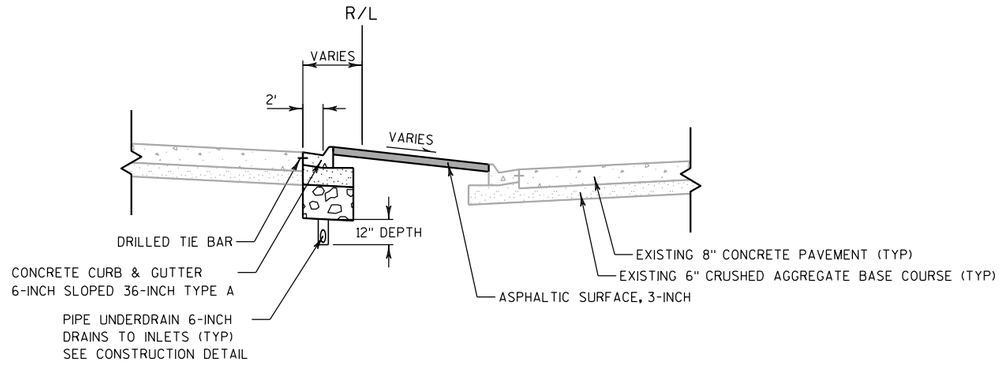
2



TYPICAL FINISHED SECTION

STH 20

STA 263+15.59 TO STA 265+06.61



TYPICAL FINISHED SECTION

STH 20

STA 260+63.47 TO STA 262+72.19

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

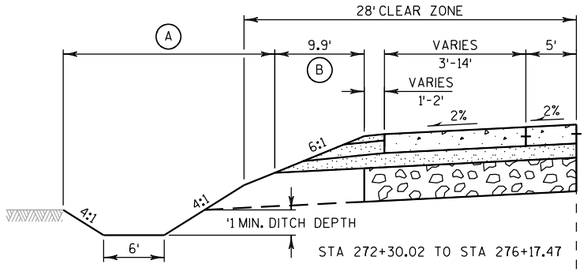
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

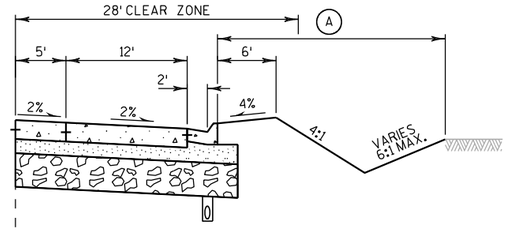
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

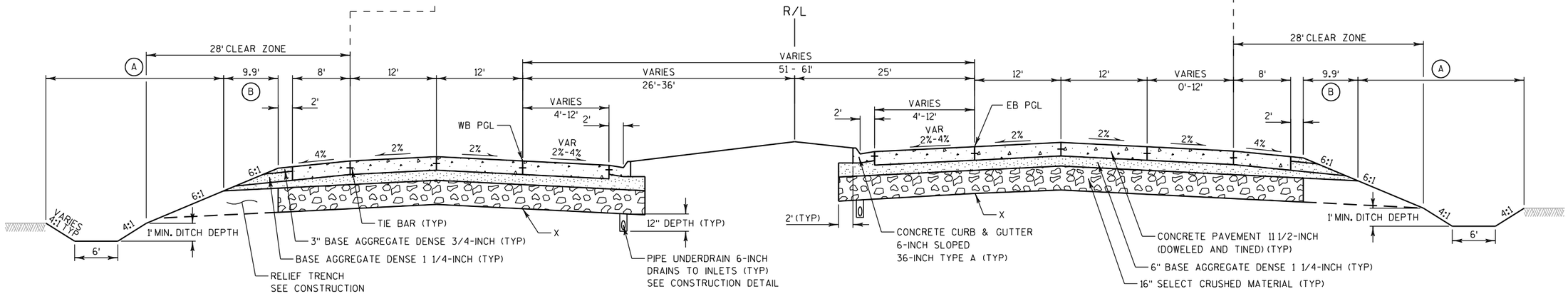
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_14	E



STA 272+30.02 TO STA 276+17.47



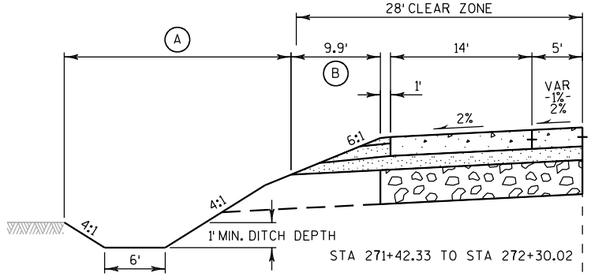
STA 278+96.55 TO STA 279+30.26



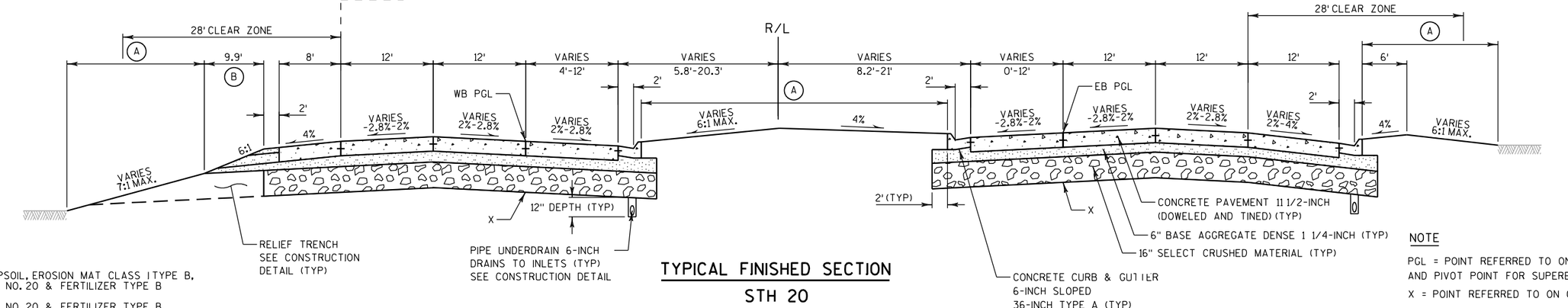
TYPICAL FINISHED SECTION

STH 20

STA 272+30.02 TO STA 279+30.26



STA 271+42.33 TO STA 272+30.02



TYPICAL FINISHED SECTION

STH 20

STA 265+06.61 TO STA 272+30.02

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

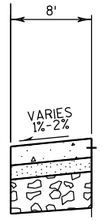
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_15	E

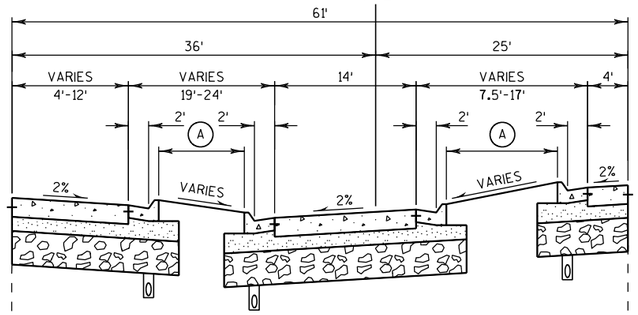
2

M/L
WEST FRONTAGE ROAD



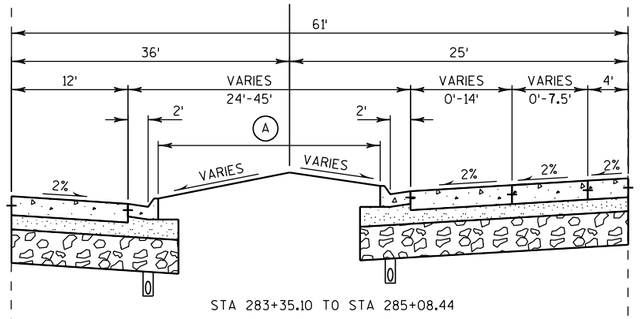
STA 285+58.51 TO STA 288+10.41

R/L



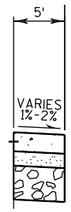
STA 285+08.44 TO STA 287+05.68

R/L



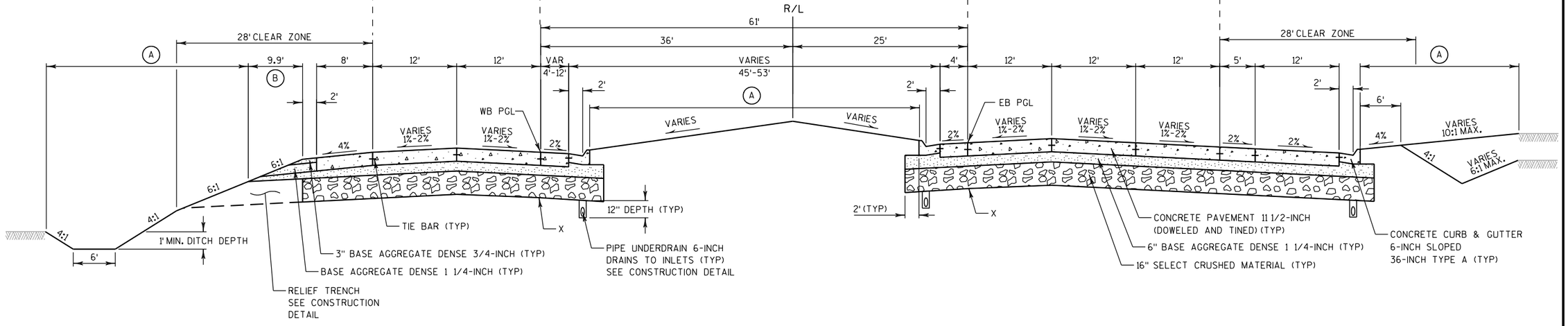
STA 283+35.10 TO STA 285+08.44

M/L
WEST FRONTAGE ROAD



STA 286+30.25 TO STA 288+10.41

R/L



LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

TYPICAL FINISHED SECTION

STH 20

STA 279+30.26 TO STA 288+10.41

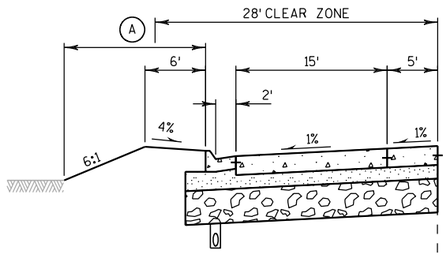
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

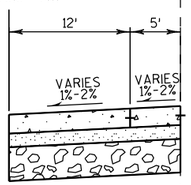
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_16	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\020401_ts.dgn PLOT DATE : 18-AUG-2019 21:23 PLOT BY : MSCD1S PLOT NAME : 020401_ts2 PLOT SCALE : 15:1

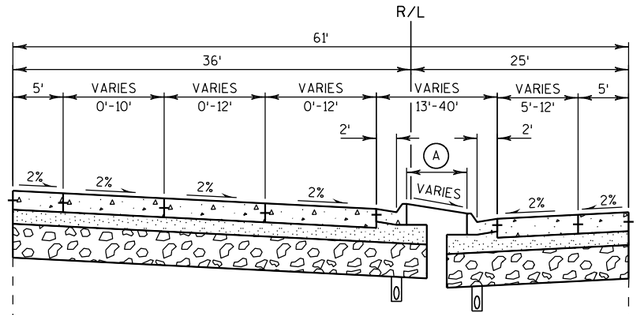


STA 292+25.85 TO STA 293+05.28

M/L
WEST FRONTAGE ROAD
OR RAMP NW

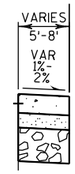


STA 288+10.41 TO STA 288+77.63
STA 290+66.05 TO STA 292+25.85

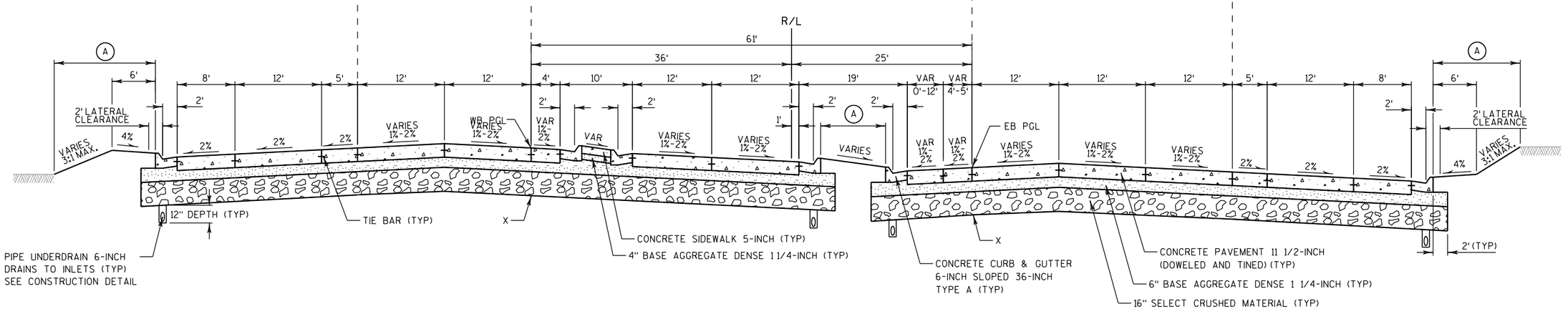


STA 289+22.45 TO STA 291+96.53

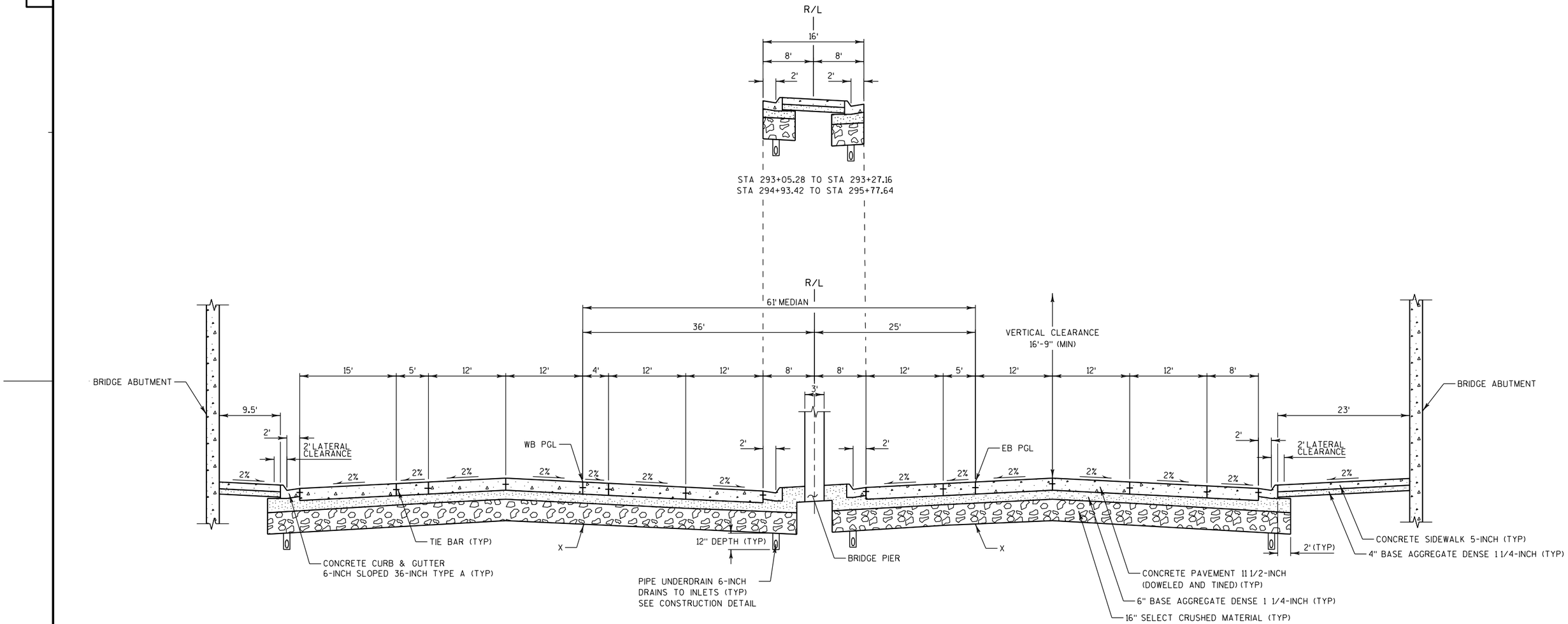
M/L
WEST FRONTAGE ROAD
OR RAMP SW



STA 288+10.41 TO STA 288+84.23
STA 291+67.81 TO STA 293+05.28


R/L
61'
36'
25'
A
6'
8'
12'
5'
12'
12'
4'
10'
12'
12'
19'
VAR
0'-12'
VAR
4'-5'
12'
12'
12'
5'
12'
8'
6'
2'
2'
2

2



TYPICAL FINISHED SECTION

STH 20

STA 293+05.28 TO STA 295+77.64

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

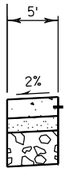
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_18	E

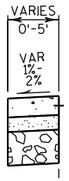
2

M/L
EAST FRONTAGE ROAD

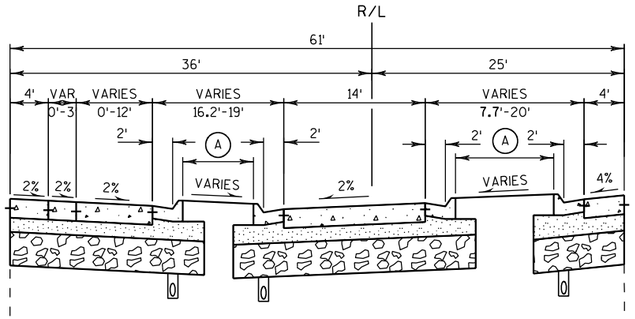


STA 301+78.28 TO STA 302+33.15

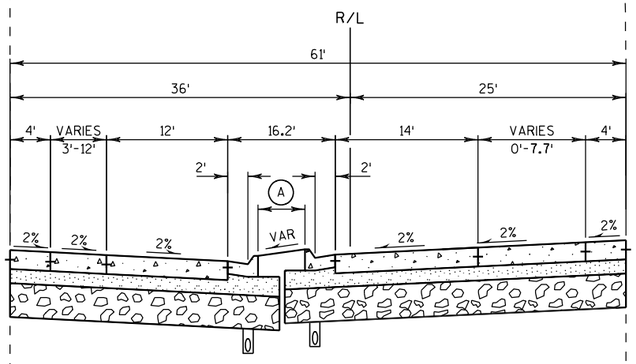
M/L
RAMP NE



STA 295+92.43 TO STA 297+67.46

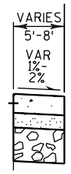


STA 299+44.29 TO STA 302+33.15

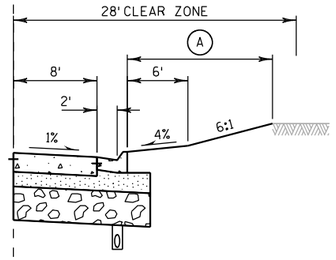


STA 298+31.90 TO STA 299+44.29

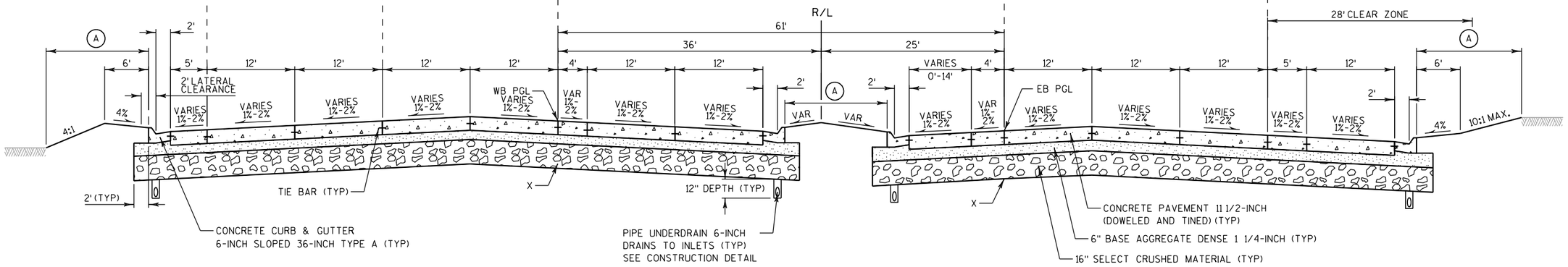
M/L
RAMP SE OR
EAST FRONTAGE ROAD



STA 296+15.70 TO STA 298+67.07
STA 301+54.41 TO STA 302+33.15



STA 295+77.64 TO STA 296+15.70



TYPICAL FINISHED SECTION

STH 20

STA 295+77.64 TO STA 302+33.15

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

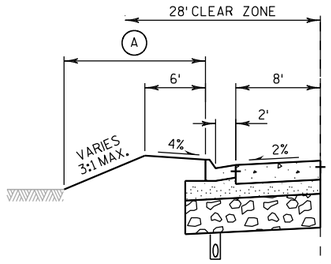
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

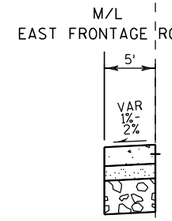
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

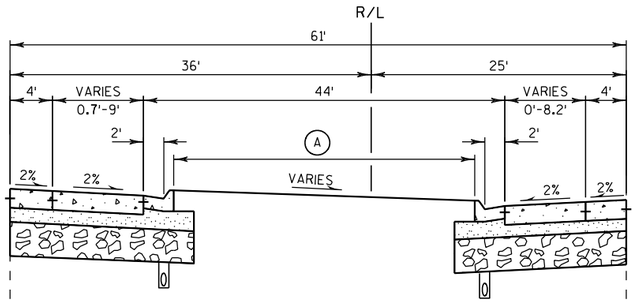
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_19	E



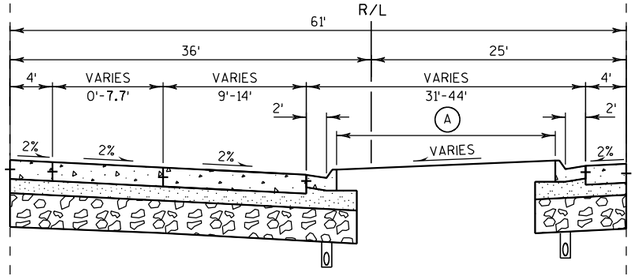
STA 304+24.07 TO STA 306+07.92



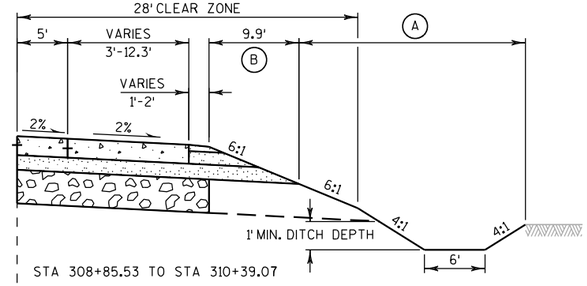
STA 302+33.15 TO STA 304+24.07



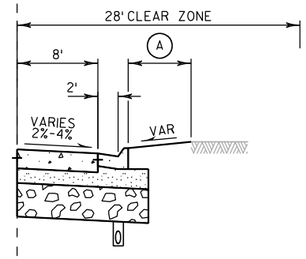
STA 309+35.83 TO STA 310+39.07



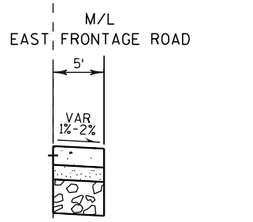
STA 307+76.15 TO STA 309+35.83



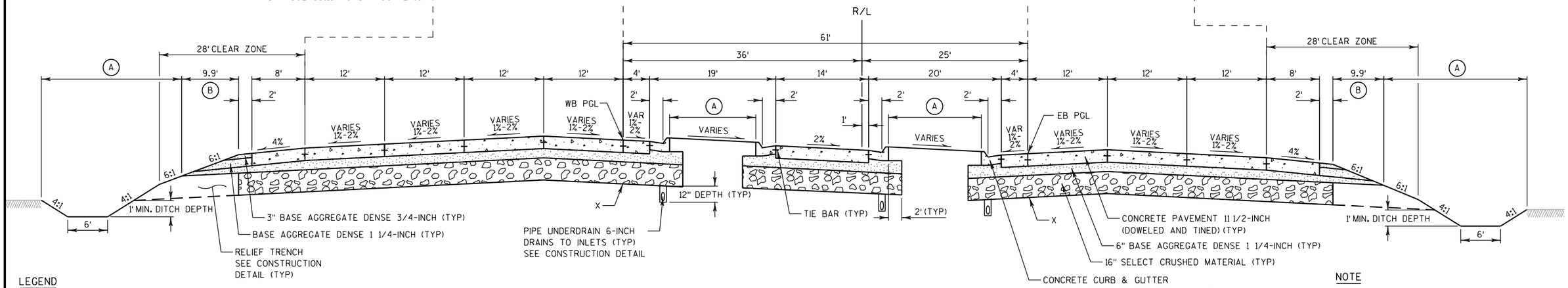
STA 308+85.53 TO STA 310+39.07



STA 304+97.05 TO STA 305+25.00



STA 302+33.15 TO STA 304+97.05



LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

TYPICAL FINISHED SECTION

STH 20

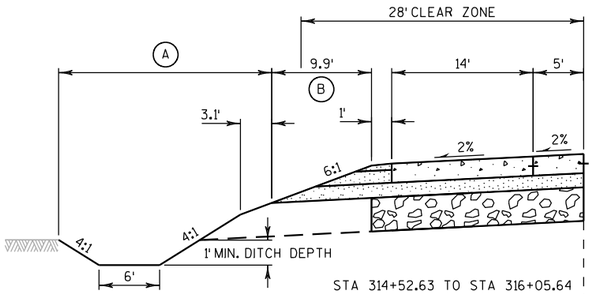
STA 302+33.15 TO STA 310+39.07

NOTE

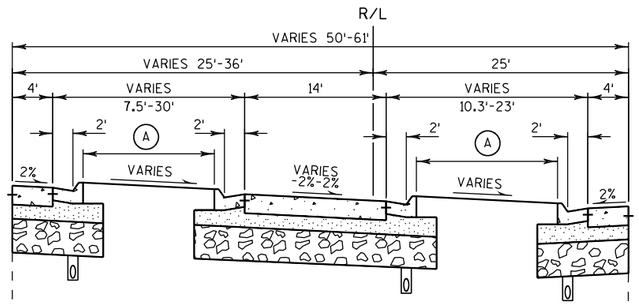
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

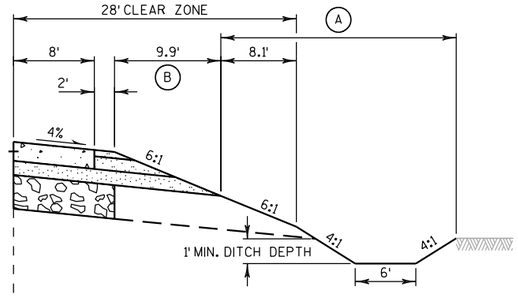
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_20	E



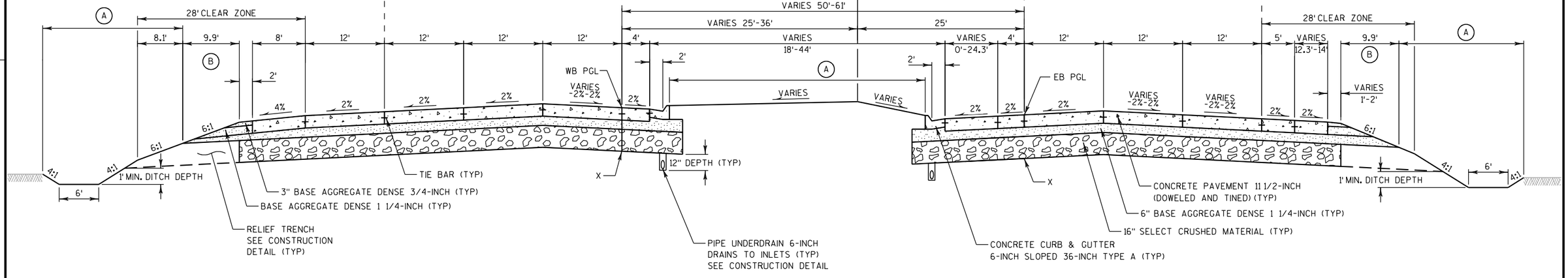
STA 314+52.63 TO STA 316+05.64



STA 315+11.78 TO STA 316+05.64



STA 314+77.82 TO STA 315+93.25



LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

TYPICAL FINISHED SECTION

STH 20

STA 310+39.07 TO STA 316+05.64

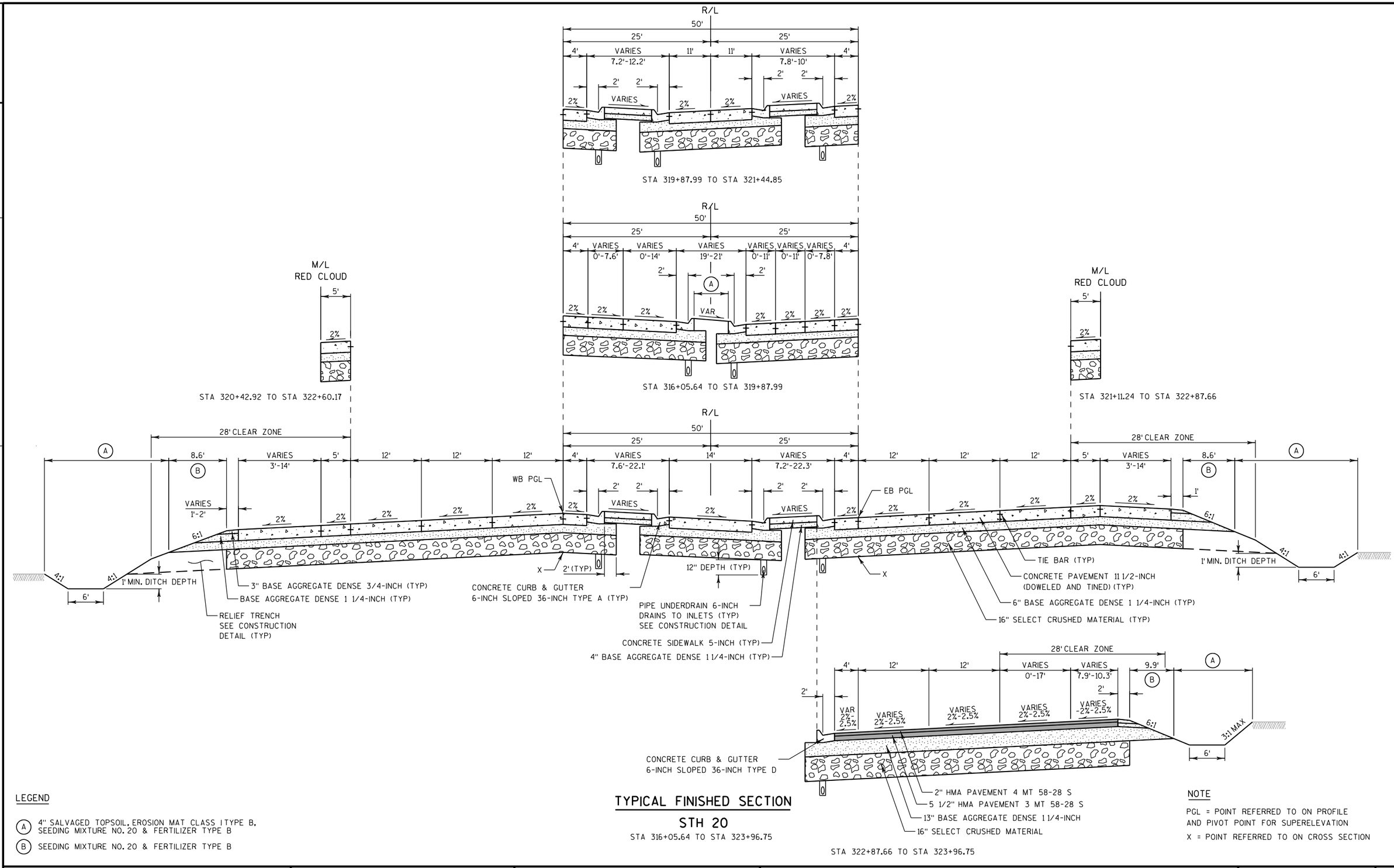
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_21	E

2



TYPICAL FINISHED SECTION

STH 20

STA 316+05.64 TO STA 323+96.75

STA 322+87.66 TO STA 323+96.75

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

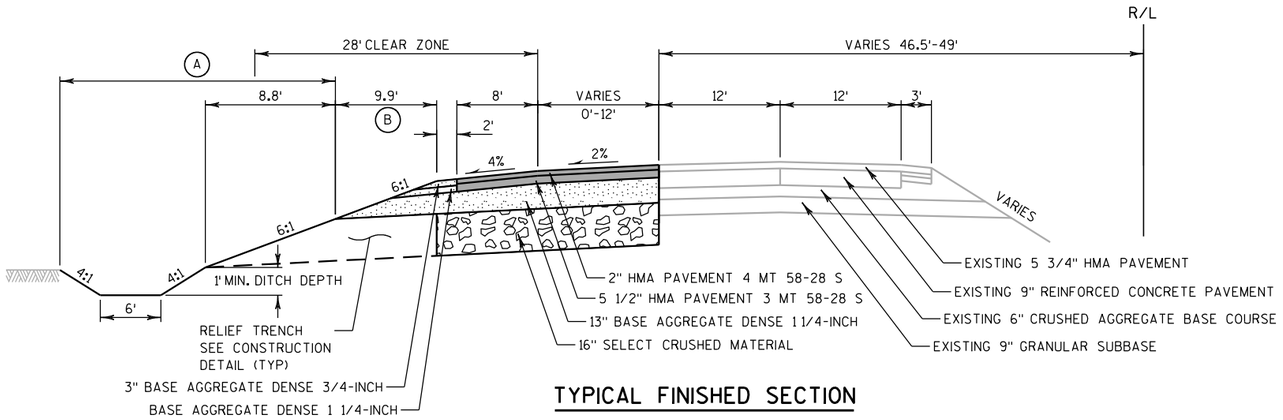
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

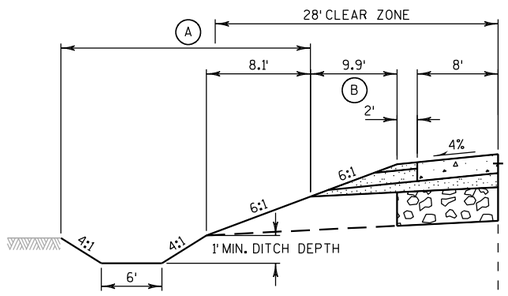
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_22	E



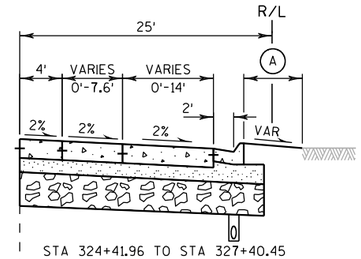
TYPICAL FINISHED SECTION

STH 20

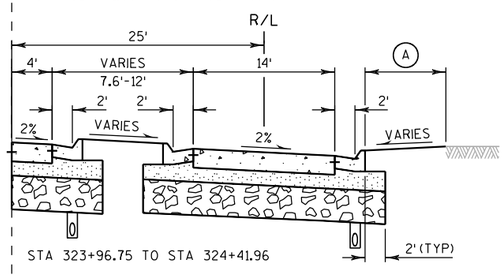
STA 330+30.25 TO STA 336+30.25



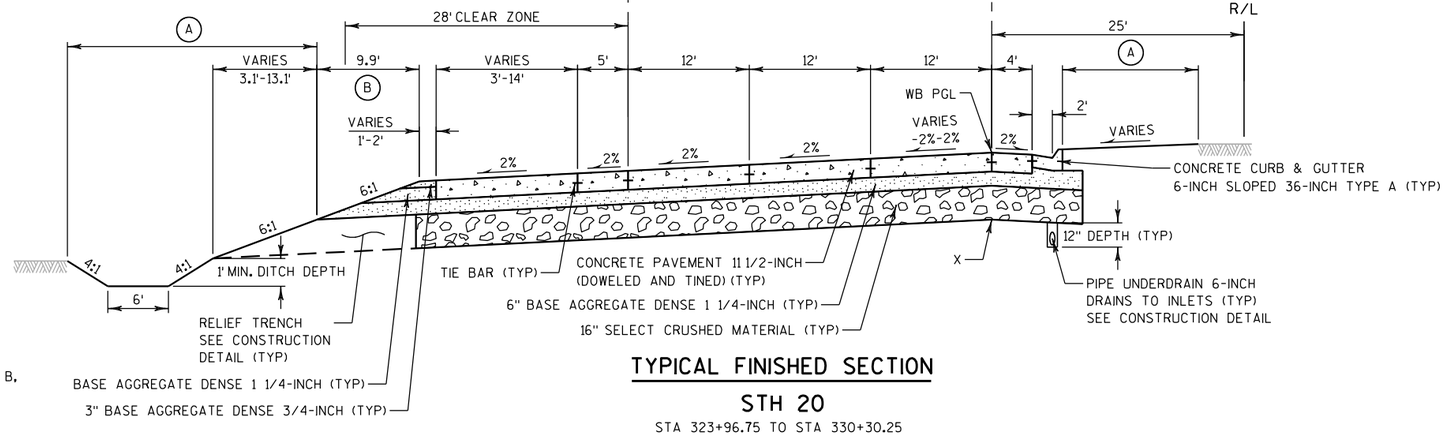
STA 327+92.03 TO STA 330+30.25



STA 324+41.96 TO STA 327+40.45



STA 323+96.75 TO STA 324+41.96



TYPICAL FINISHED SECTION

STH 20

STA 323+96.75 TO STA 330+30.25

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

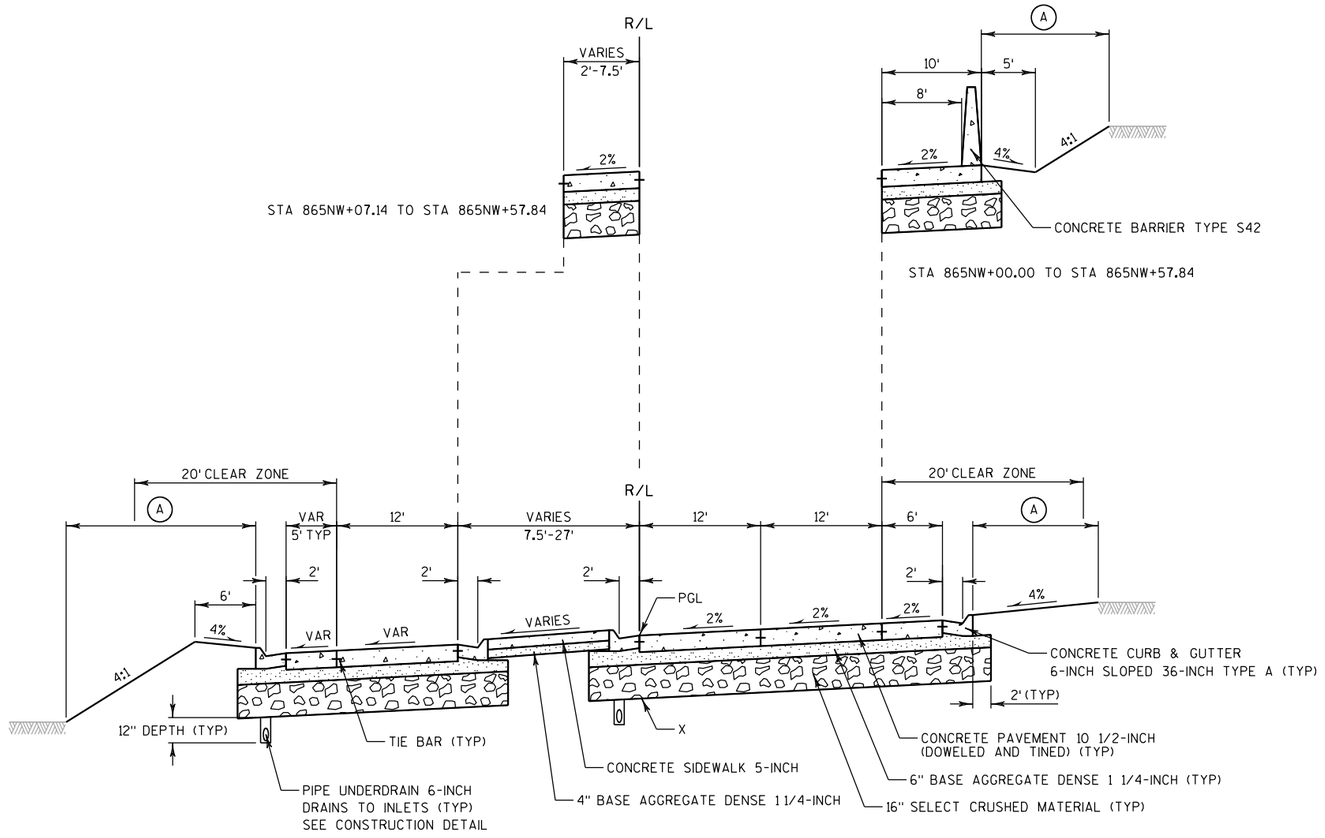
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_23	E

2



TYPICAL FINISHED SECTION

RAMP NW

STA 864NW+00.00 TO STA 865NW+57.84

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

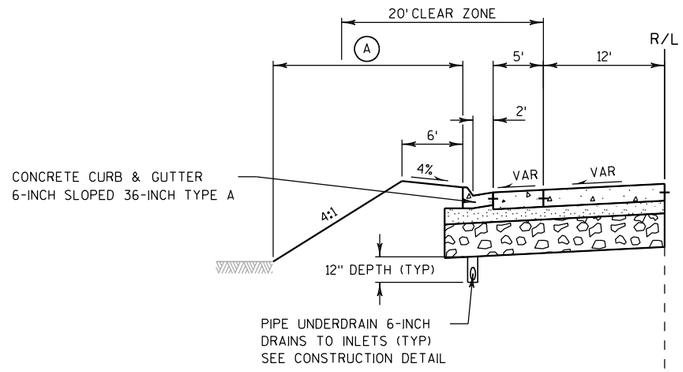
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

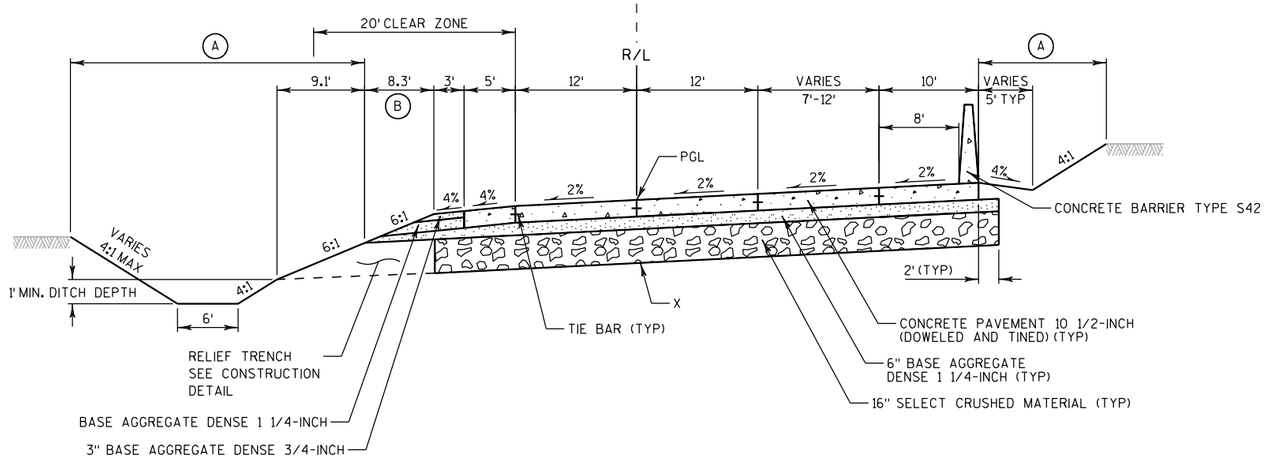
X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_24	E

2



STA 865NW+57.84 TO STA 866NW+00.00



TYPICAL FINISHED SECTION

RAMP NW

STA 865NW+57.84 TO STA 868NW+51.27

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

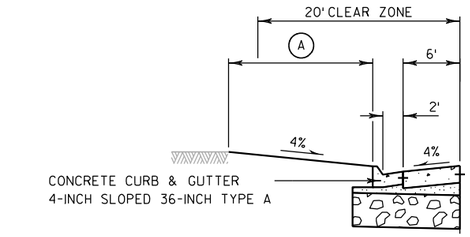
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

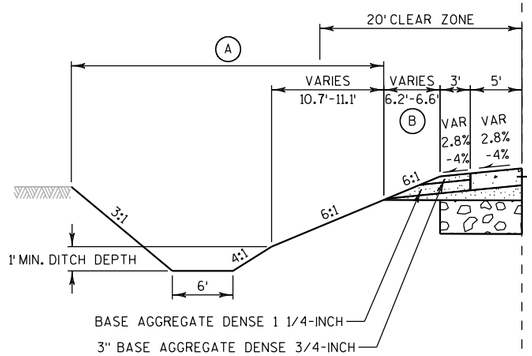
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

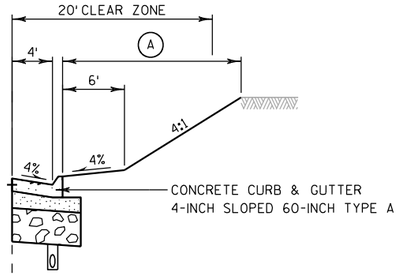
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_25	E



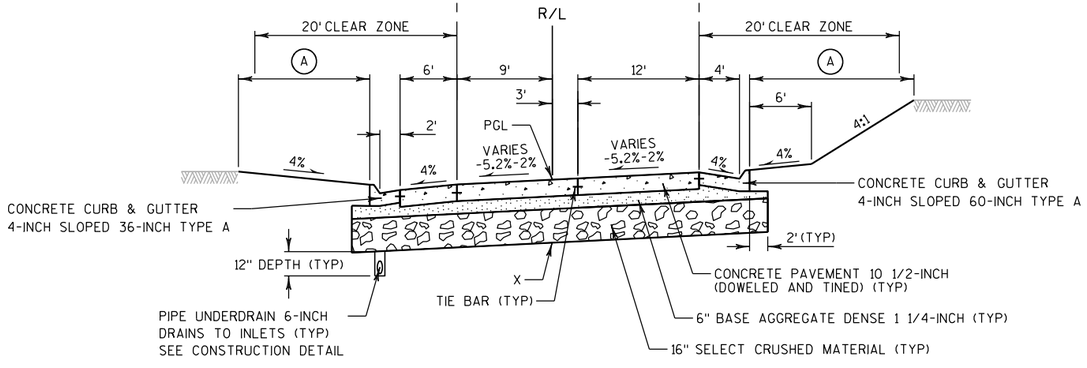
STA 859SW+30.00 TO STA 860SW+00.00



STA 858SW+57.00 TO STA 859SW+30.00



STA 858SW+57.00 TO STA 860SW+00.00



TYPICAL FINISHED SECTION

RAMP SW

STA 858SW+57.00 TO STA 860SW+48.49

LEGEND

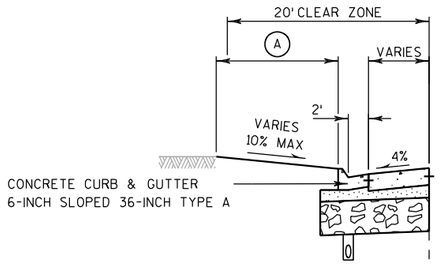
(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

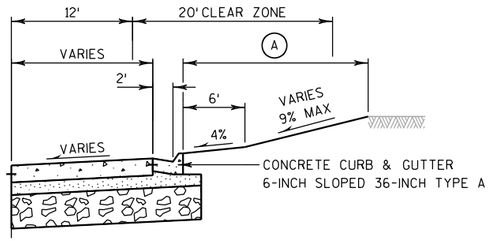
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

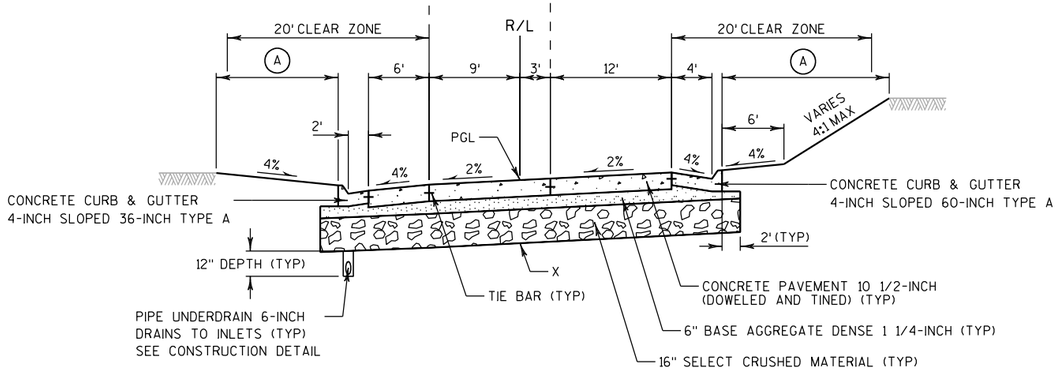
X = POINT REFERRED TO ON CROSS SECTION



STA 861SW+39.55 TO STA 862SW+37.00



STA 861SW+62.86 TO STA 862SW+37.00



TYPICAL FINISHED SECTION

RAMP SW

STA 860SW+48.49 TO STA 862SW+37.00

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

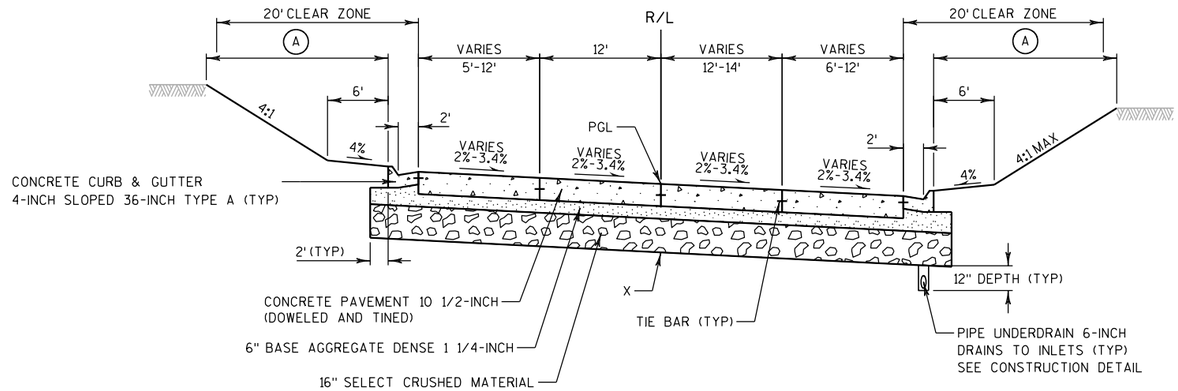
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

2



TYPICAL FINISHED SECTION

RAMP SE

STA 855SE+90.00 TO STA 858SE+87.72

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

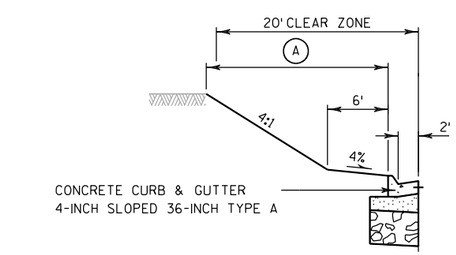
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

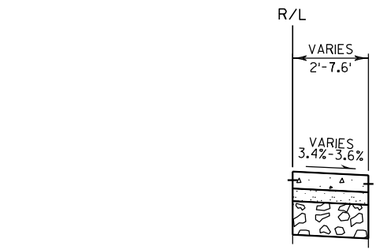
X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_28	E

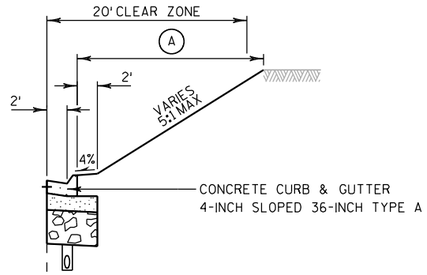
2



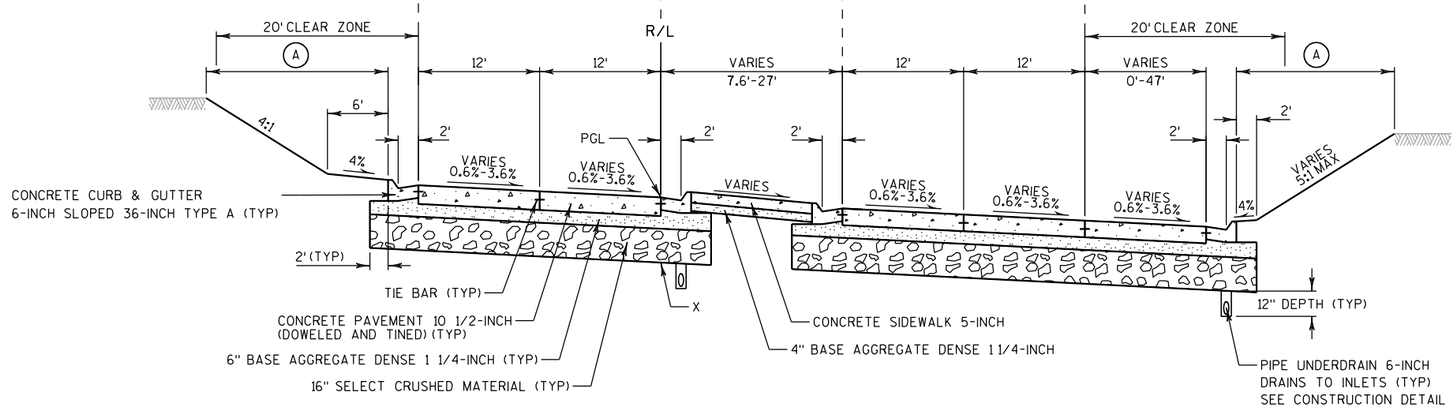
STA 858SE+87.72 TO STA 859SE+50.35



STA 858SE+87.72 TO STA 859SE+42.31



STA 858SE+87.72 TO STA 859SE+46.56



TYPICAL FINISHED SECTION

RAMP SE

STA 858SE+87.72 TO STA 860SE+87.00

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

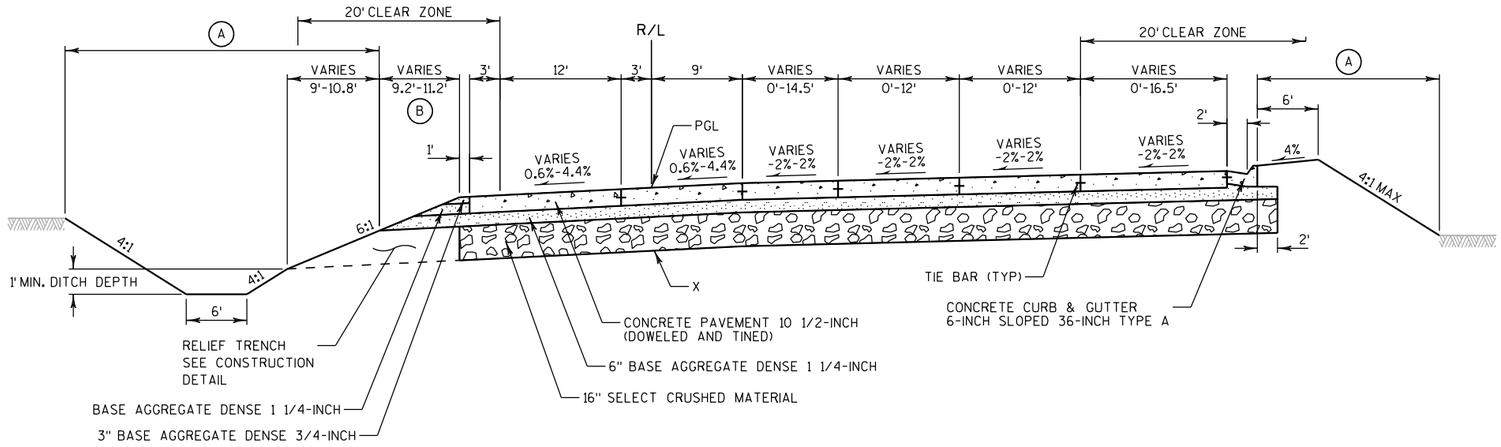
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

2



TYPICAL FINISHED SECTION

RAMP NE

STA 861NE+91.00 TO STA 863NE+06.38

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

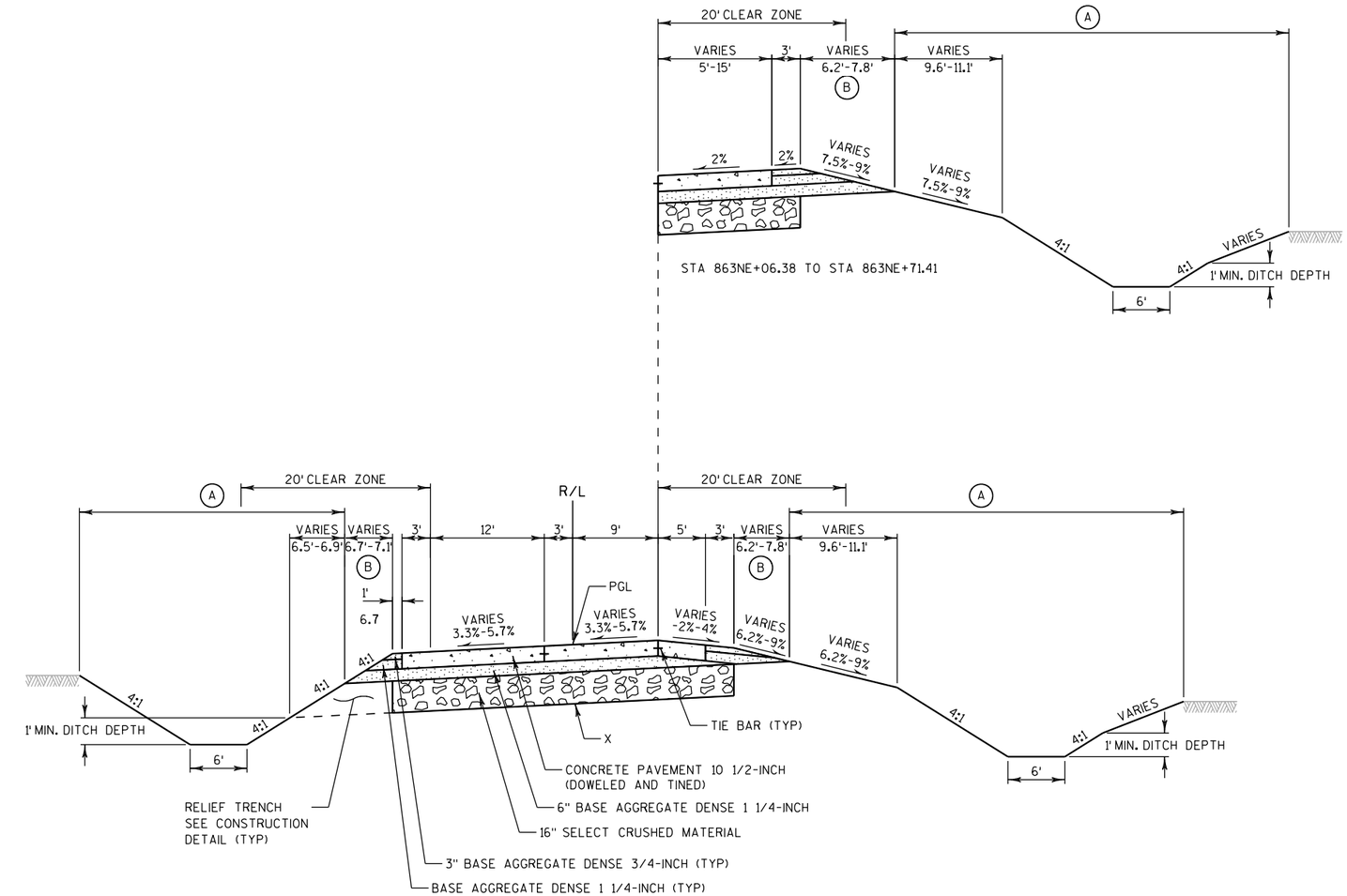
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_30	E

2



TYPICAL FINISHED SECTION

RAMP NE

STA 863NE+06.38 TO STA 867NE+00.00

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

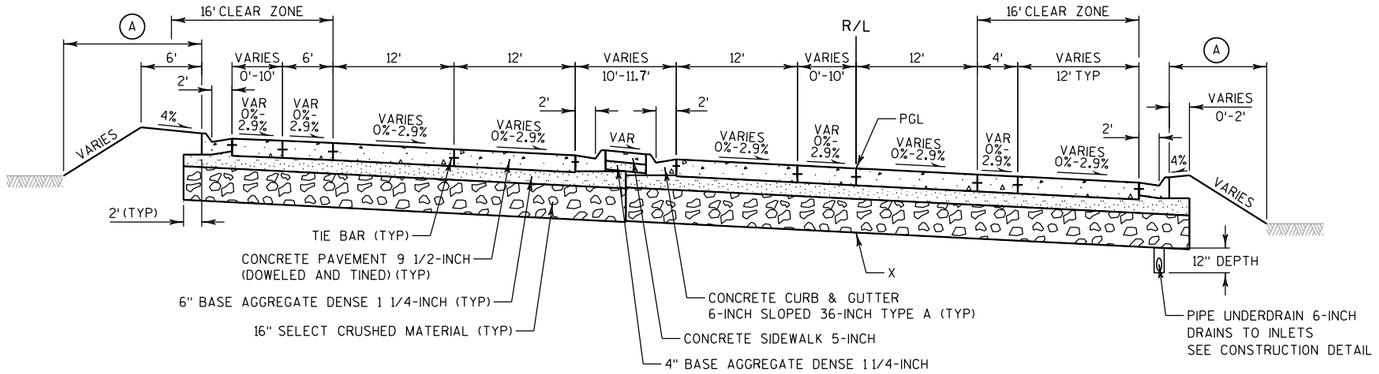
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

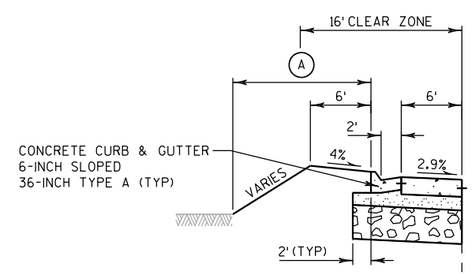
X = POINT REFERRED TO ON CROSS SECTION

2

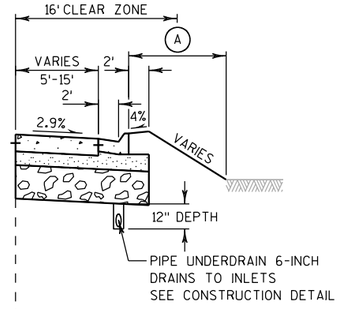


TYPICAL FINISHED SECTION
WEST FRONTAGE ROAD

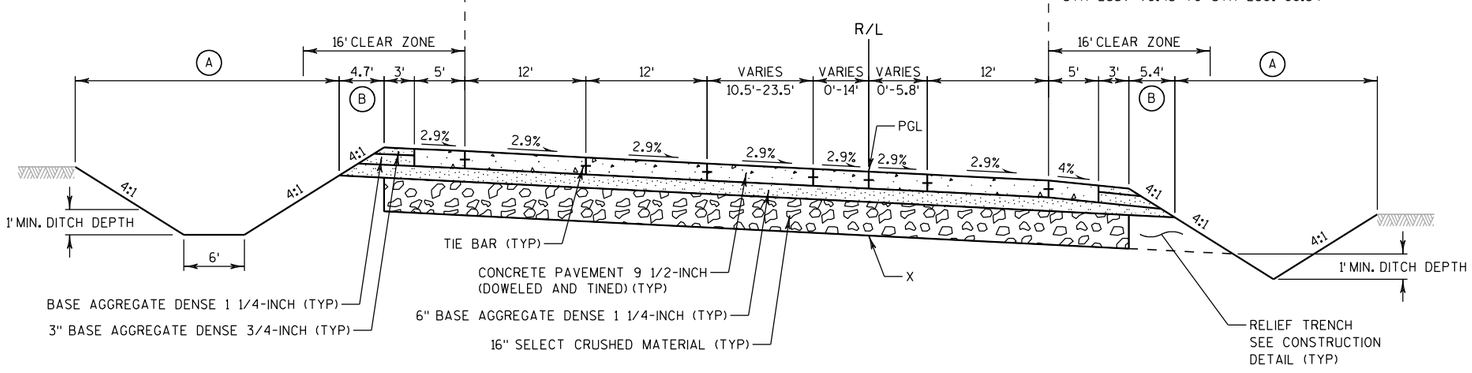
STA 2861+66.84 TO STA 2864+57.97



STA 2860+68.72 TO STA 2861+66.84



STA 2857+79.43 TO STA 2861+66.84



TYPICAL FINISHED SECTION
WEST FRONTAGE ROAD

STA 2857+00.00 TO STA 2861+66.84

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

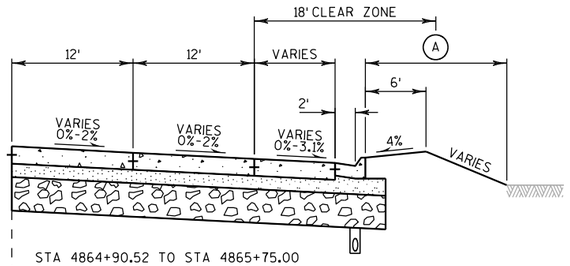
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

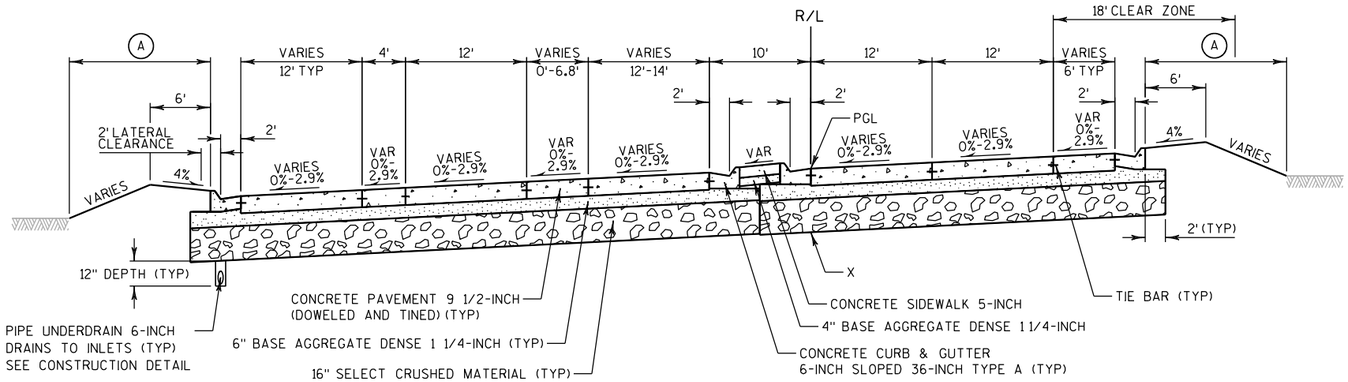
X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_32	E

2



STA 4864+90.52 TO STA 4865+75.00



LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

TYPICAL FINISHED SECTION
WEST FRONTAGE ROAD

STA 4864+90.52 TO STA 4866+24.35

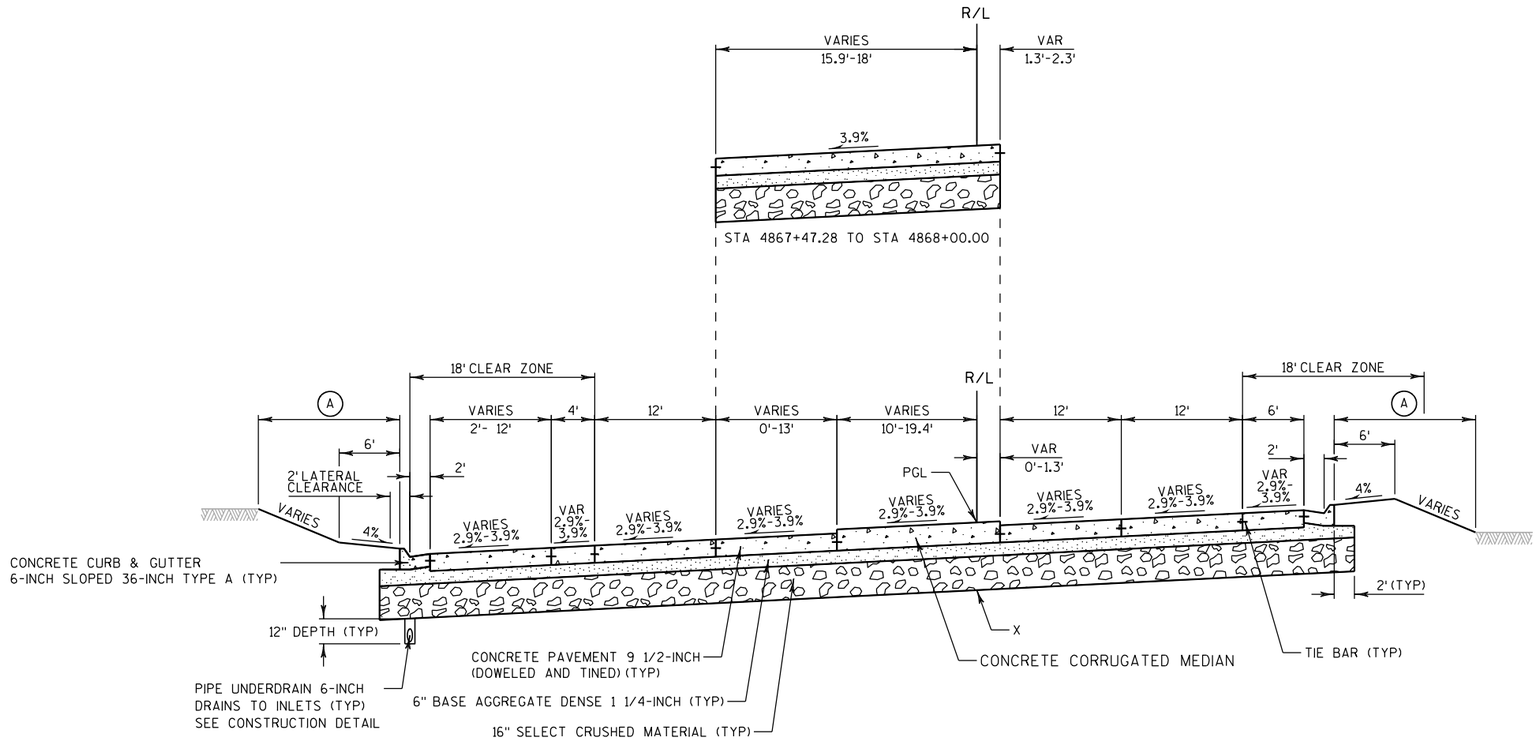
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_33	E

2



TYPICAL FINISHED SECTION

WEST FRONTAGE ROAD

STA 4866+24.35 TO STA 4868+00.00

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

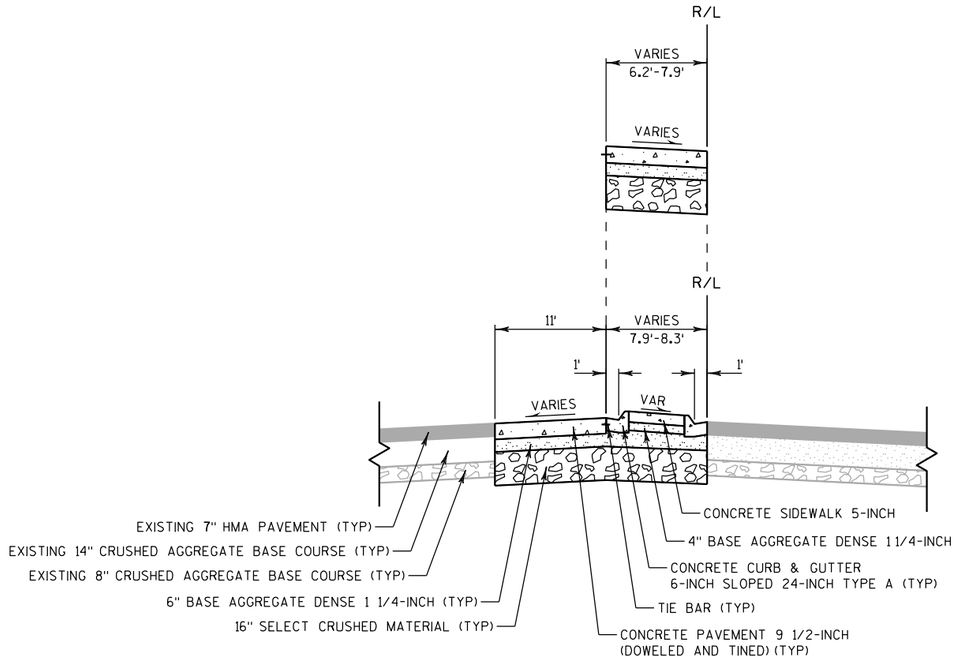
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

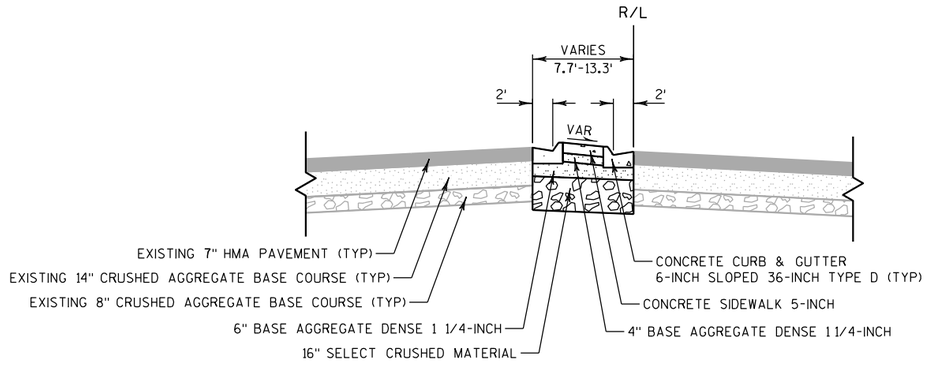
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_34	E

2



TYPICAL FINISHED SECTION
EAST FRONTAGE ROAD

STA 3851+70.03 TO STA 3852+25.00



TYPICAL FINISHED SECTION
EAST FRONTAGE ROAD

STA 3849+38.90 TO STA 3850+96.26

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

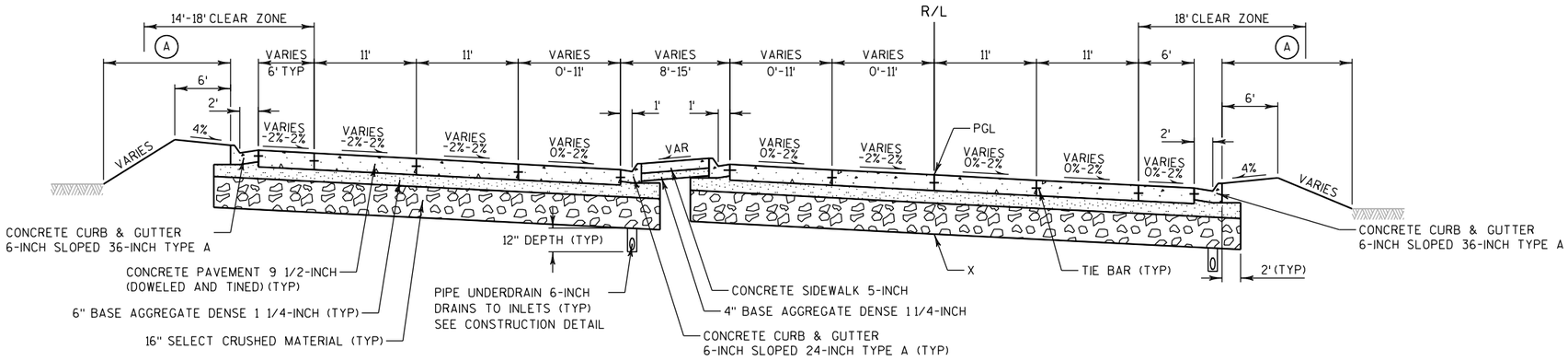
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

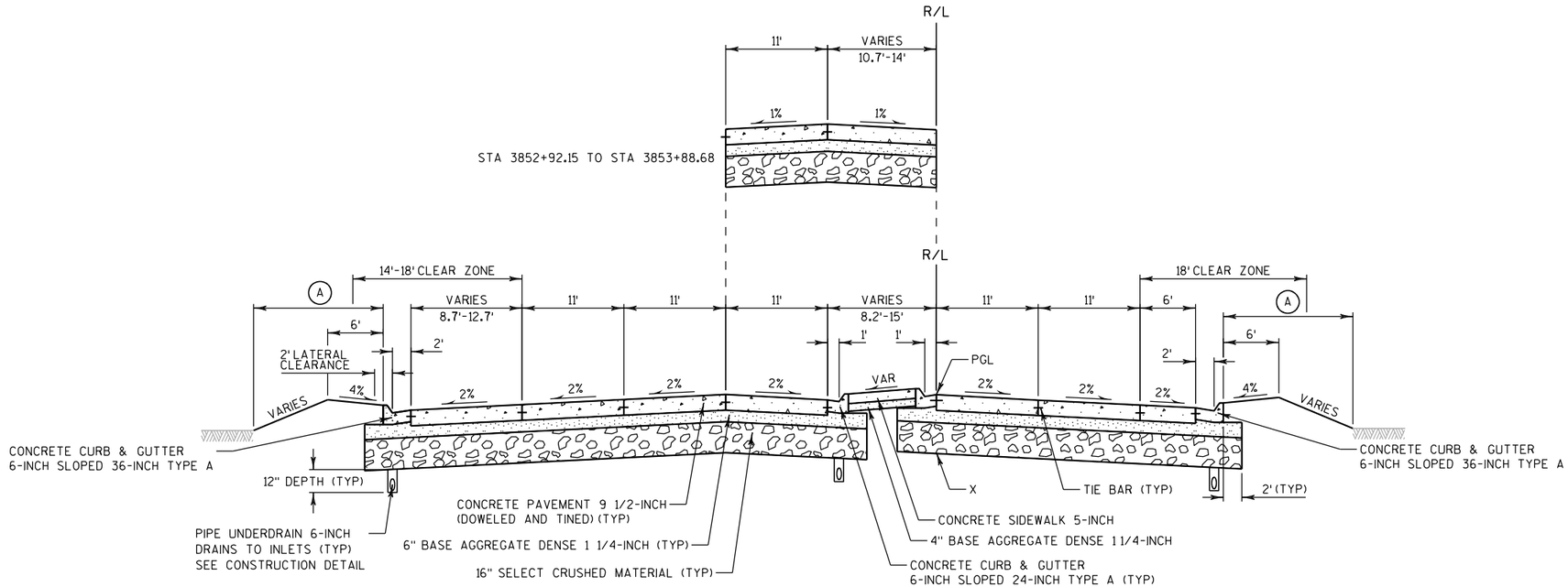
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_35	E



TYPICAL FINISHED SECTION
EAST FRONTAGE ROAD
STA 3854+20.83 TO STA 3858+30.00



LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

TYPICAL FINISHED SECTION
EAST FRONTAGE ROAD
STA 3852+25.00 TO STA 3854+20.83

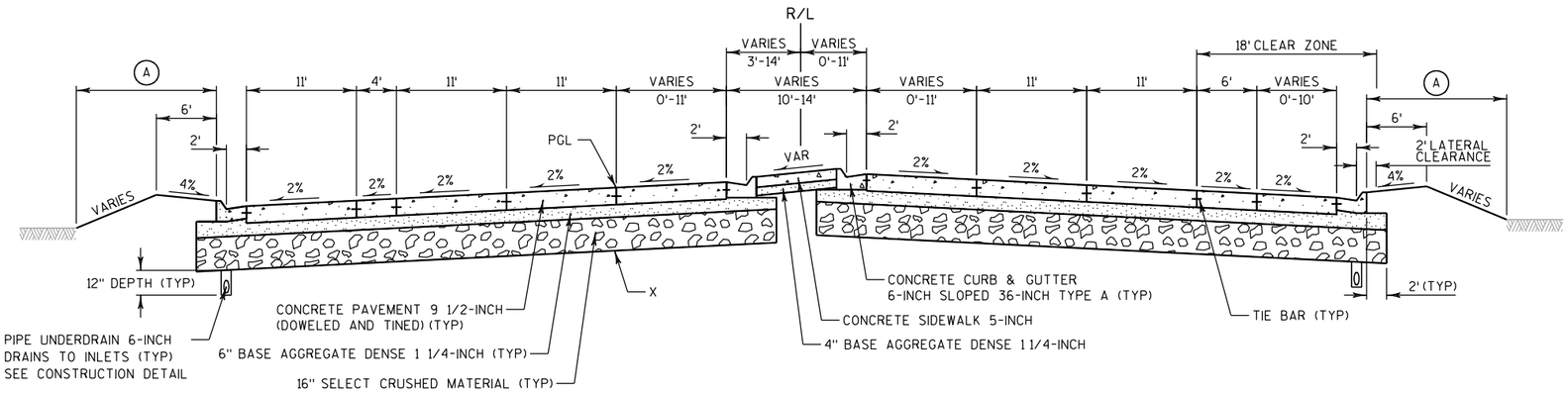
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_36	E

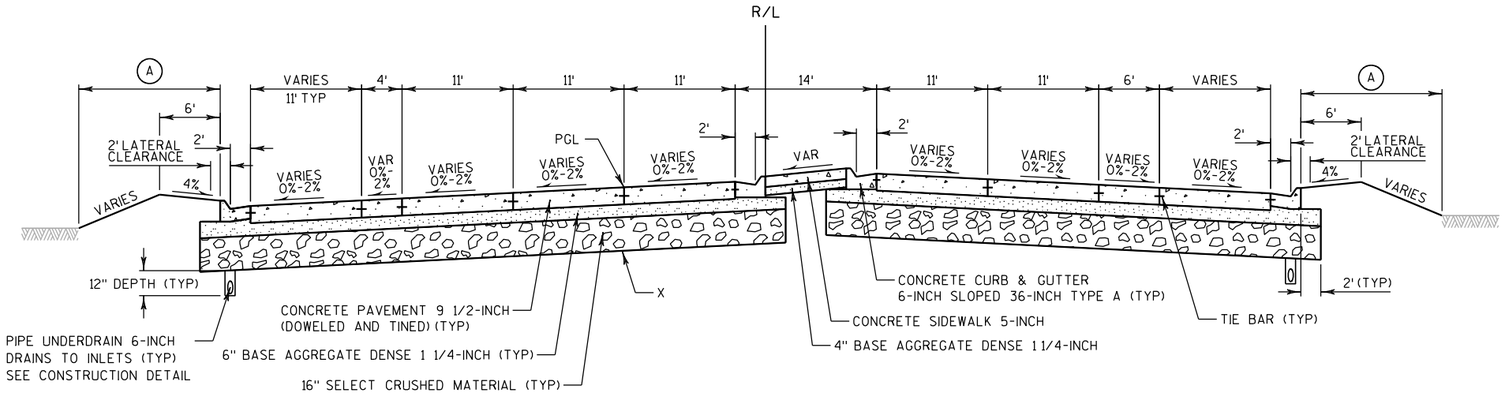
2



TYPICAL FINISHED SECTION

EAST FRONTAGE ROAD

STA 5860+52.81 TO STA 5863+16.29



LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

TYPICAL FINISHED SECTION

EAST FRONTAGE ROAD

STA 5859+70.21 TO STA 5860+52.81

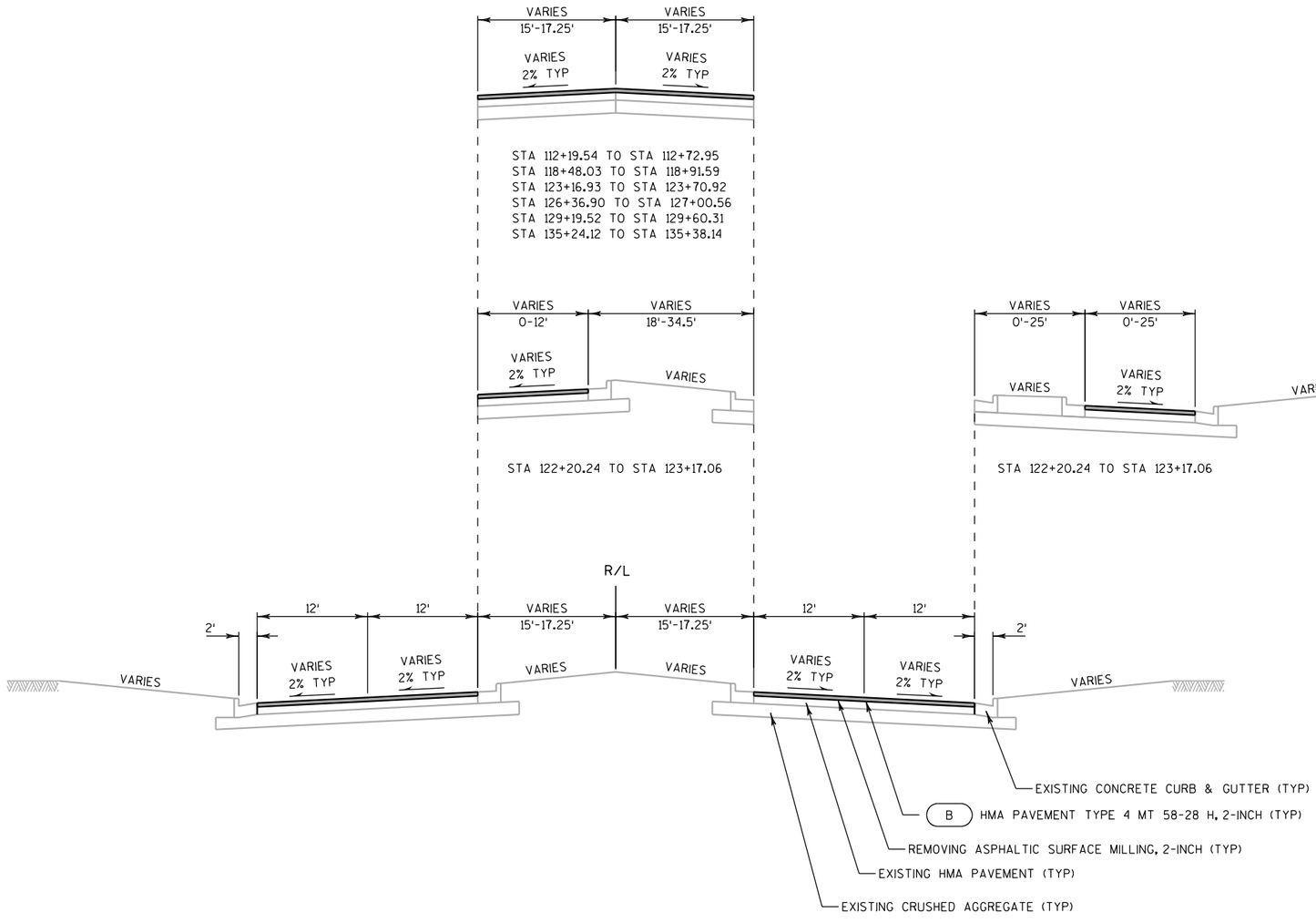
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_37	E

2



TYPICAL FINISHED SECTION

INTERNATIONAL DRIVE

STA 111+75.00 TO STA 135+38.00

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

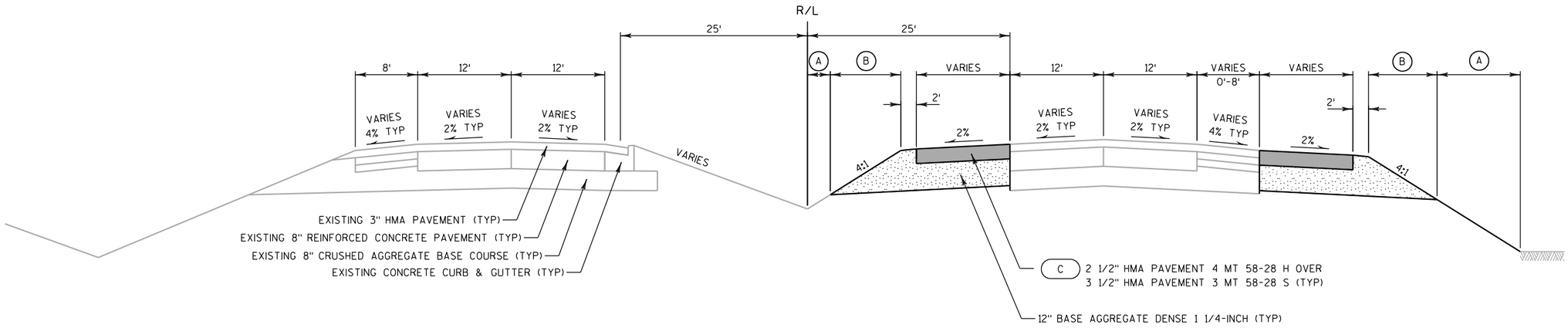
NOTE

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_38	E

2



TYPICAL FINISHED SECTION
STH 20 TEMPORARY WIDENING

LEGEND

(A) 4" SALVAGED TOPSOIL, EROSION MAT CLASS I TYPE B, SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

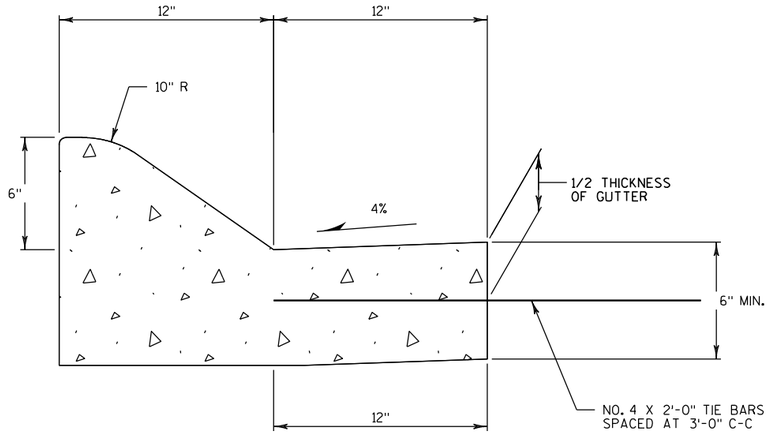
(B) SEEDING MIXTURE NO. 20 & FERTILIZER TYPE B

NOTE

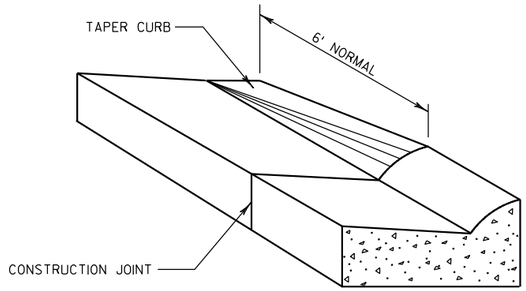
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

X = POINT REFERRED TO ON CROSS SECTION

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TYPICAL SECTIONS	SHEET PRE_39	E

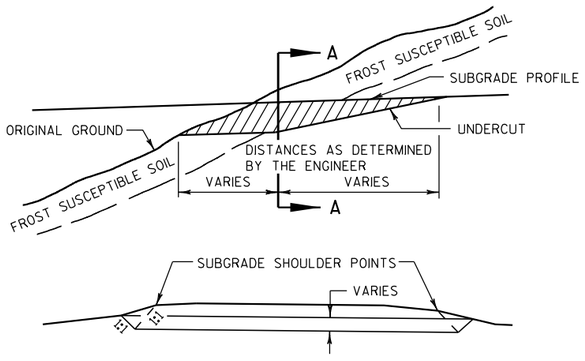


CONCRETE CURB & GUTTER 6-INCH SLOPED 24-INCH TYPE A



CURB & GUTTER TERMINI DETAIL

NOTE: USE 6 FT TRANSITION FOR CONCRETE AND ASPHALTIC CURB



SECTION A-A

CROSS SECTION SHOWING UNDERCUT

NOTES

1. EXACT LOCATIONS AND EXTENT OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. EBS AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.
3. BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
4. THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL EBS IS COMPLETED.

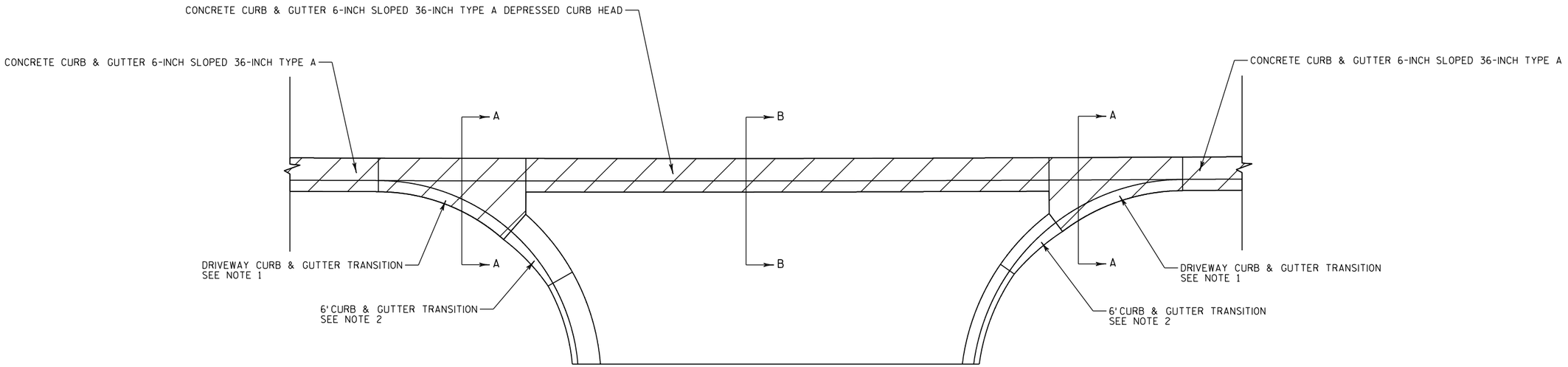
EXCAVATION BELOW SUBGRADE AT CUTS

RUNOFF COEFFICIENT TABLE

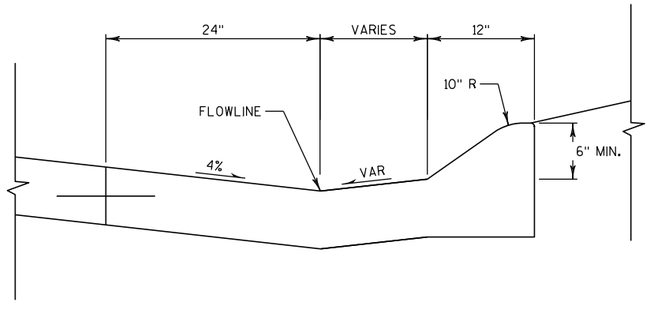
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33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

TOTAL PROJECT AREA = 43.4 ACRES (STH 20 TO CTH K R/W AREA)
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 50.1 ACRES (I.D. 1033-02-71 DISTURBED AREA)

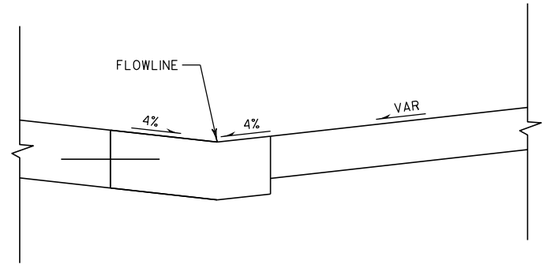
2



PAY LIMITS OF CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A



SECTION A-A



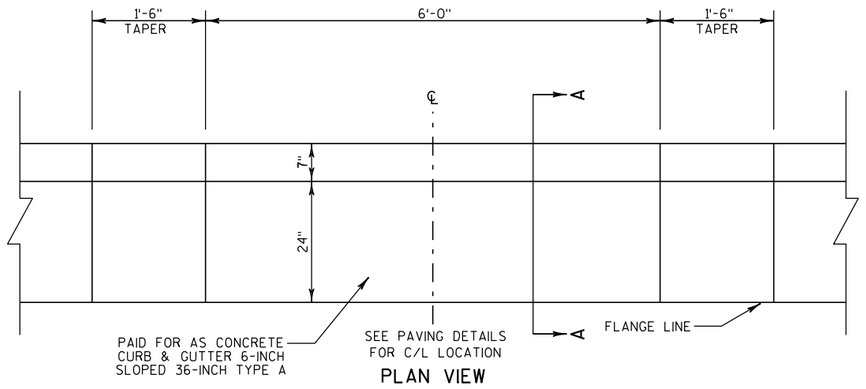
SECTION B-B

NOTES

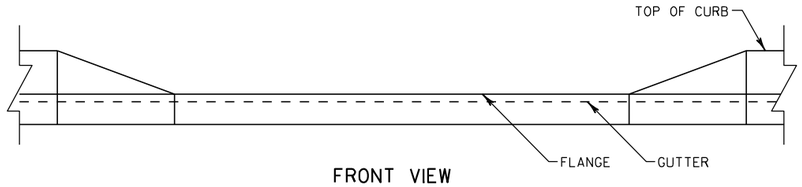
1. DRIVEWAY CURB & GUTTER TRANSITION PAID FOR AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A, MEASURED ALONG THE FLOWLINE.
2. 6' CURB & GUTTER TRANSITION PAID FOR AS ADJACENT CURB & GUTTER TYPE ALONG DRIVEWAY ENTRANCE. SEE PLAN DETAILS.

DRIVEWAY CURB & GUTTER TRANSITION

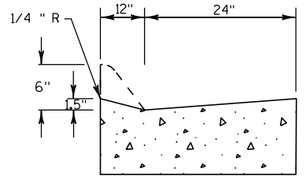
2



PLAN VIEW



FRONT VIEW

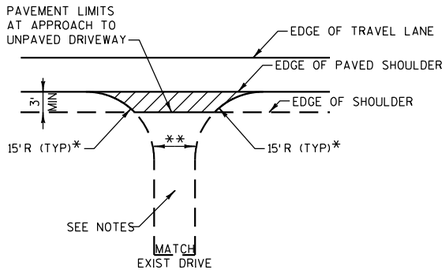


END VIEW

SECTION A-A

MAINTENANCE OPENING

LOCATIONS SHOWN ON PAVING DETAILS



PLAN VIEW

NOTES:

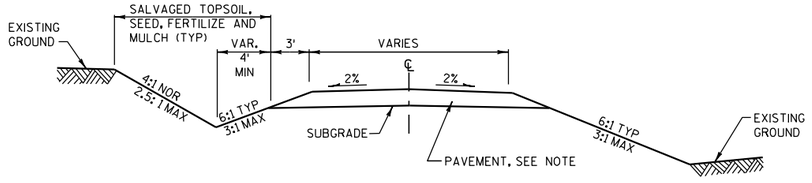
① WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

② DRIVEWAY SURFACE TO BE SAME AS EXISTING WITH MINIMUM SECTION OF:

ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER, 3-INCH
BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
OR
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES OVER, 5-INCH
BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
OR
CONCRETE DRIVEWAY 6-INCH OVER
4" BASE AGGREGATE DENSE 3/4-INCH, 4-INCH

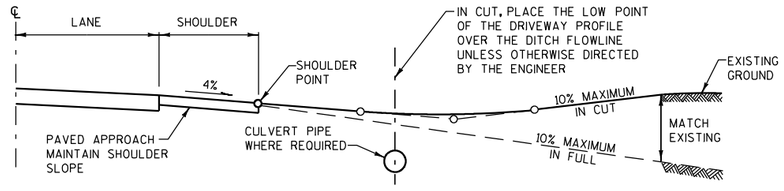
* LARGER RADII MAY BE REQUIRED FOR TRUCKS
SEE PAVING DETAIL SHEETS FOR ADDITIONAL REQUIREMENTS
WHERE APPLICABLE

** SEE PLAN & PROFILES FOR WIDTH REQ'D
RESIDENTIAL: 12' MIN; 24' MAX
COMMERCIAL: 20' MIN; 35' MAX



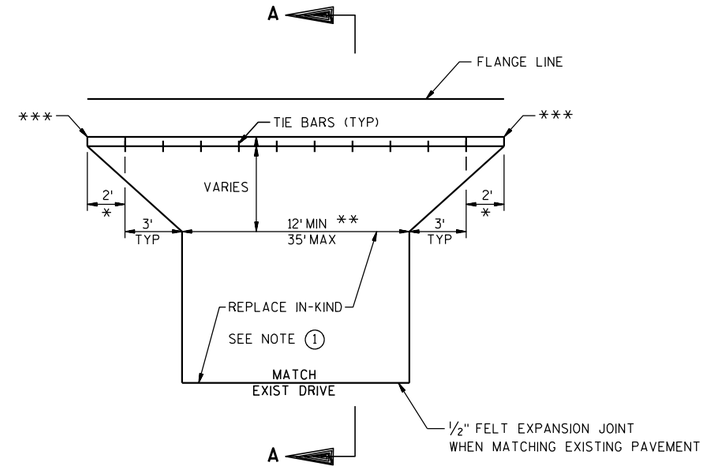
IN CUT IN FILL

TYPICAL CROSS SECTION FOR PRIVATE DRIVE OR FIELD ENTRANCE



TYPICAL RURAL PROFILES

RURAL DRIVEWAY DETAIL



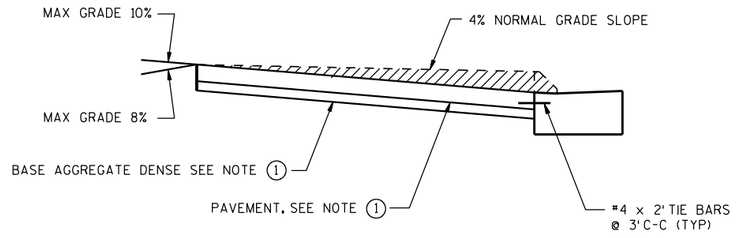
PLAN VIEW

NOTES:

① DRIVEWAY SURFACE SHALL BE REPLACE IN-KIND WITH MINIMUM SECTION OF:

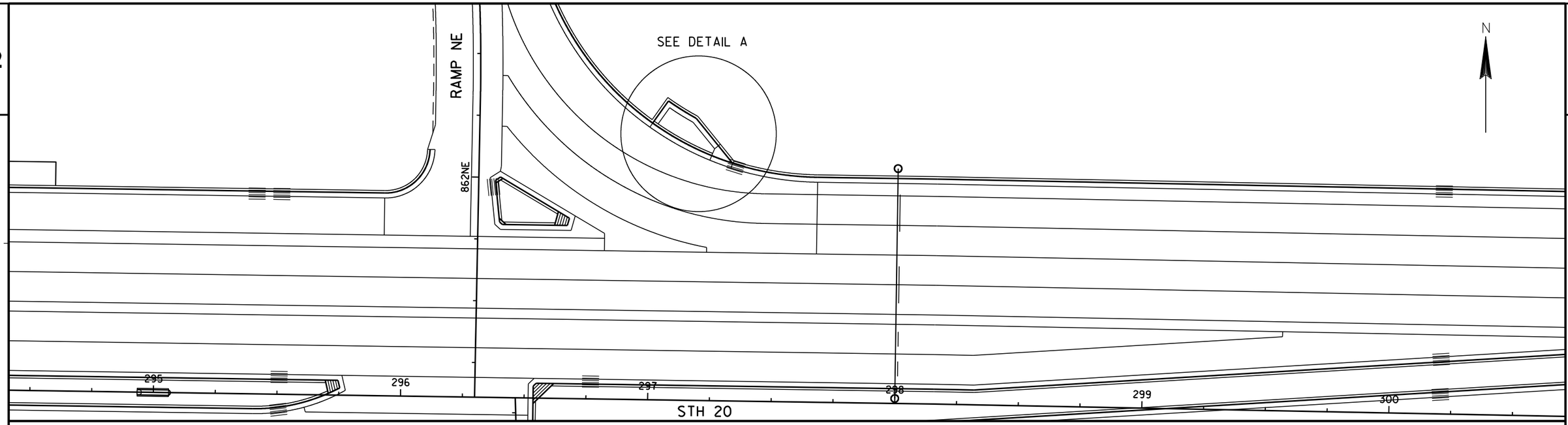
CONCRETE DRIVEWAY 6-INCH OVER
BASE AGGREGATE DENSE 3/4 -INCH, 4-INCH

* TAPER CURB HEAD
** SEE PAVING DETAILS FOR WIDTH REQD
*** STATION SHOWN ON PAVING DETAILS



SECTION A-A

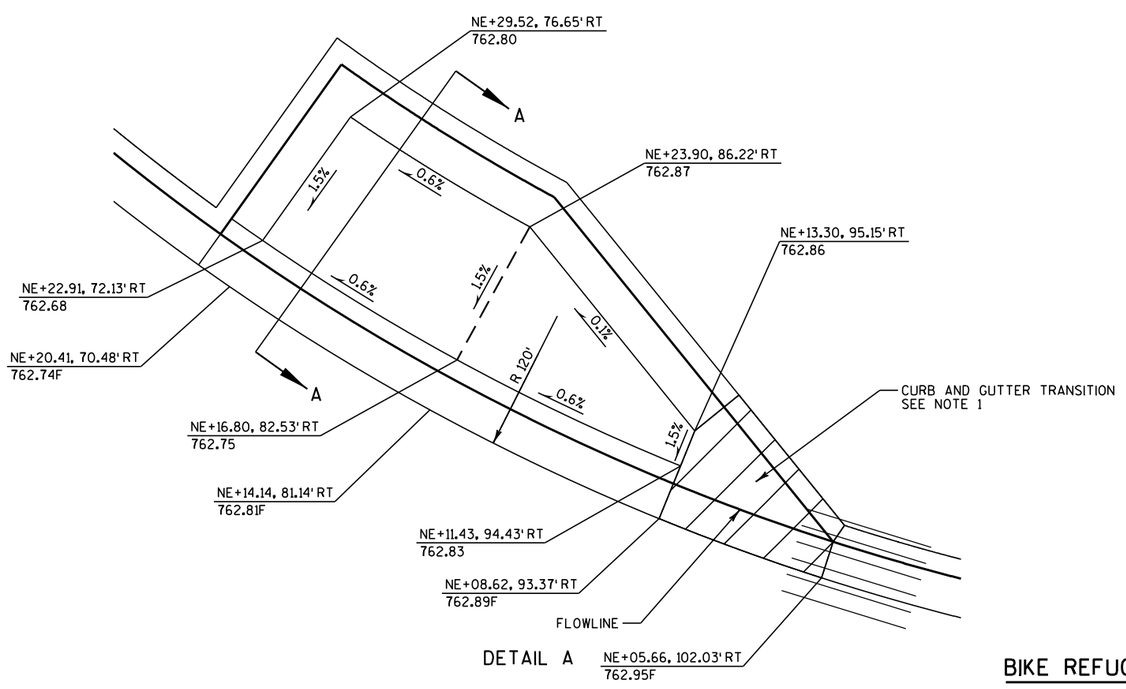
URBAN DRIVEWAY DETAIL



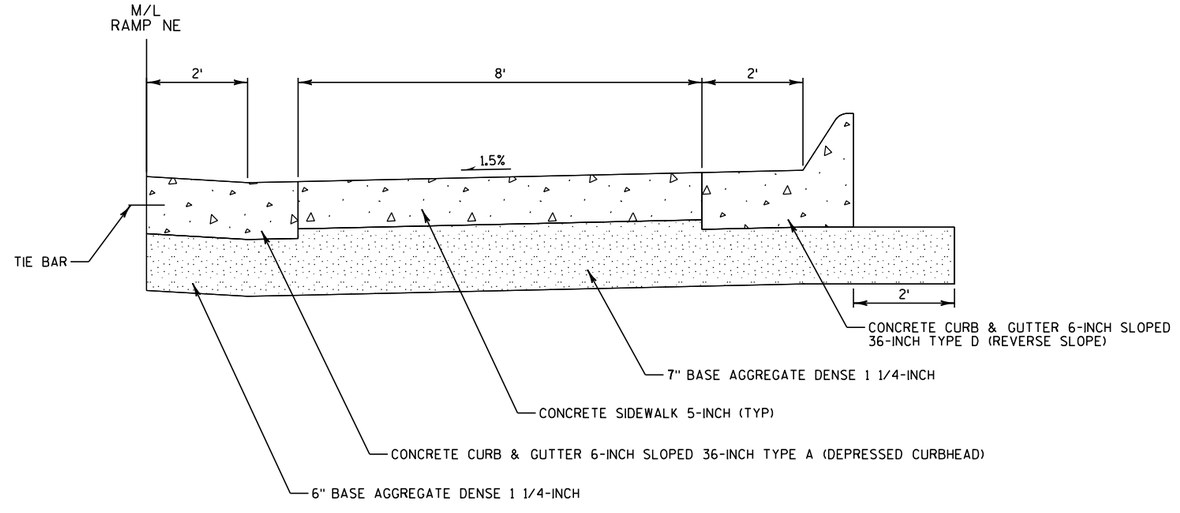
PLAN VIEW

NOTE

1. CURB AND GUTTER TRANSITION PAID FOR AS CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A, MEASURED ALONG THE FLOWLINE



DETAIL A

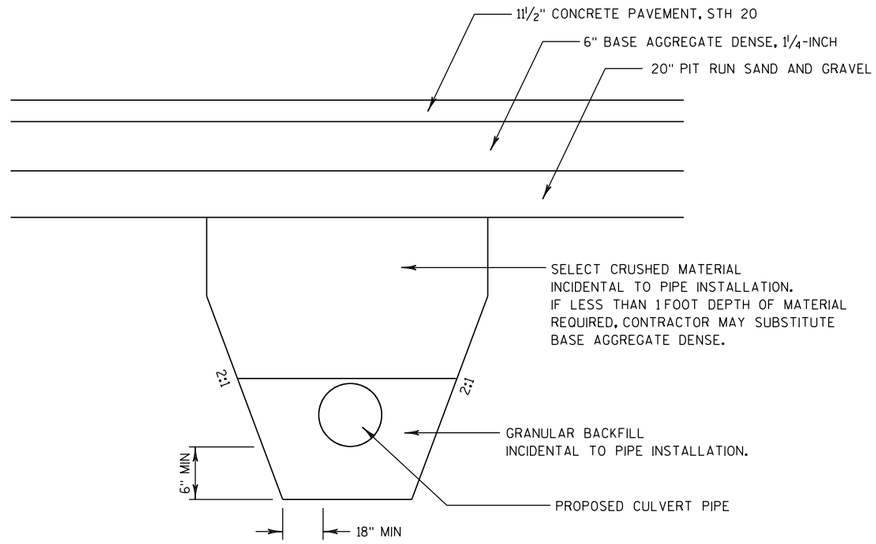


SECTION A-A

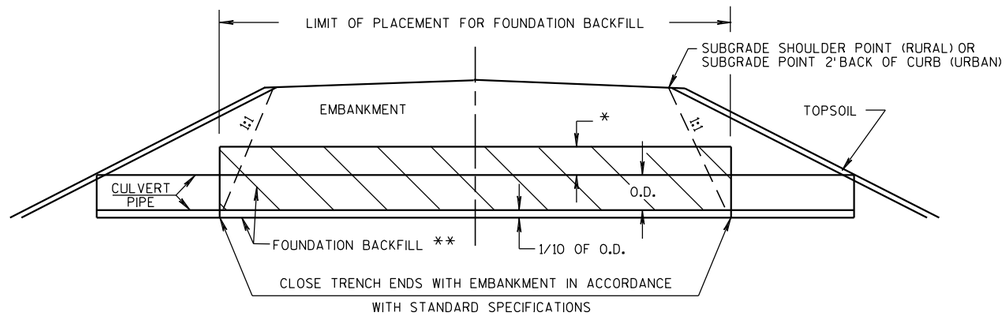
BIKE REFUGE DETAIL

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET PRE_44	E

2



INSTALLATION OF PIPES



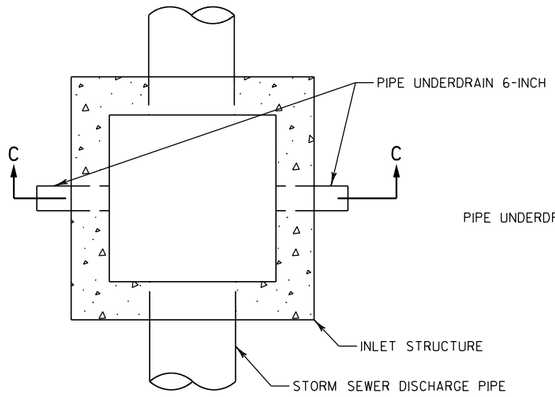
O.D. = OUTSIDE DIAMETER
* CULVERT PIPE IN NEW EMBANKMENT = 1' MIN
* CULVERT PIPE IN EXISTING EMBANKMENT =
TO EXISTING GROUND ELEVATION
** INCIDENTAL TO CULVERT PIPE

CULVERT BACKFILL DETAIL

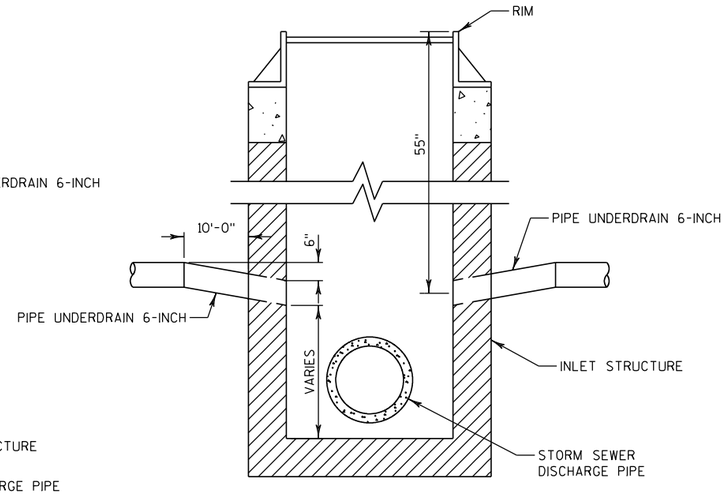
2

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN, 6-INCH.
2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 55" BELOW THE RIM ELEVATION.
3. SEE TYPICAL SECTIONS, STORM SEWER, AND UNDERDRAIN PLANS FOR PIPE UNDERDRAIN LOCATIONS.

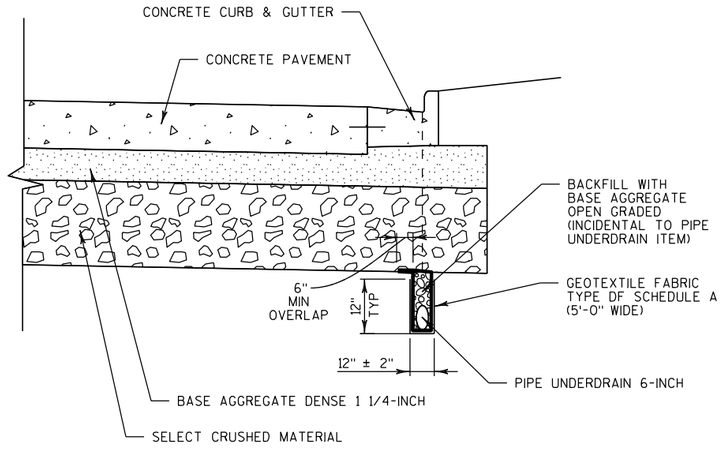


PLAN VIEW



SECTION C-C

UNDERDRAIN OUTFALL AT INLET



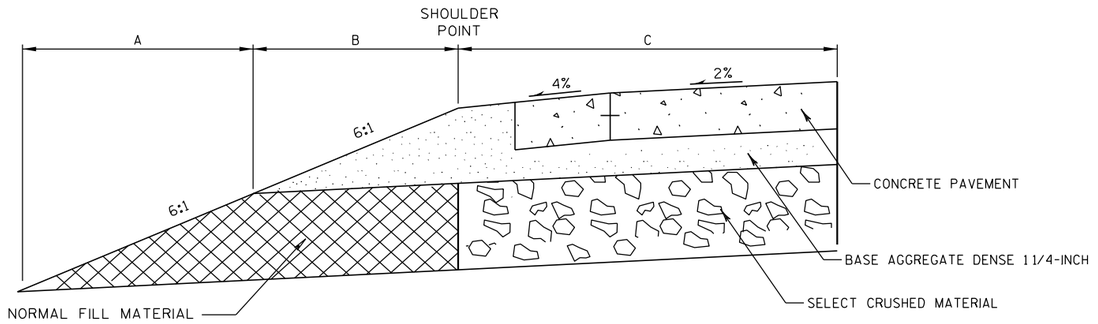
PIPE UNDERDRAIN 6-INCH DETAIL - CURB AND GUTTER SECTION

2

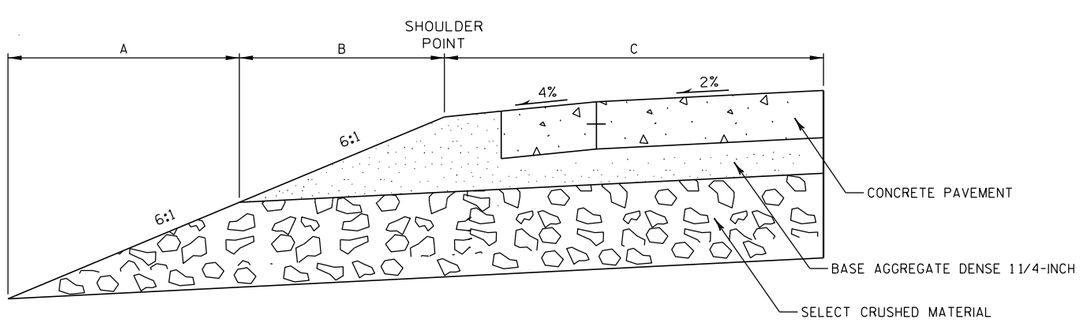
CONSTRUCT RELIEF TRENCH AT:

STH 20

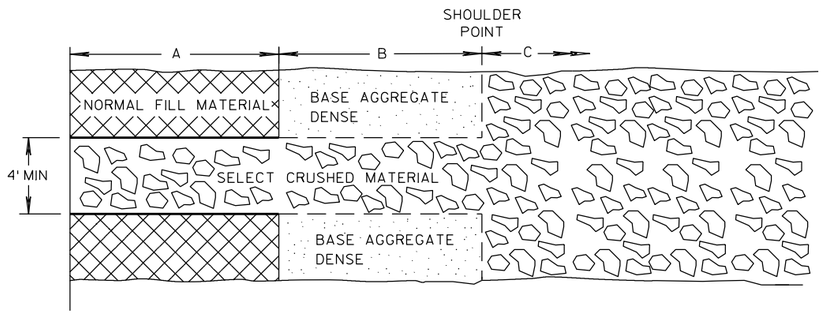
269+00 LT
272+50 LT
275+50 LT
283+50 LT
309+00 LT
310+00 RT
312+50 LT
315+50 RT
316+00 LT
319+50 LT
323+00 LT
327+00 LT
330+00 LT
333+00 LT
336+00 LT



TYPICAL HALF SECTION
WITHOUT RELIEF TRENCH



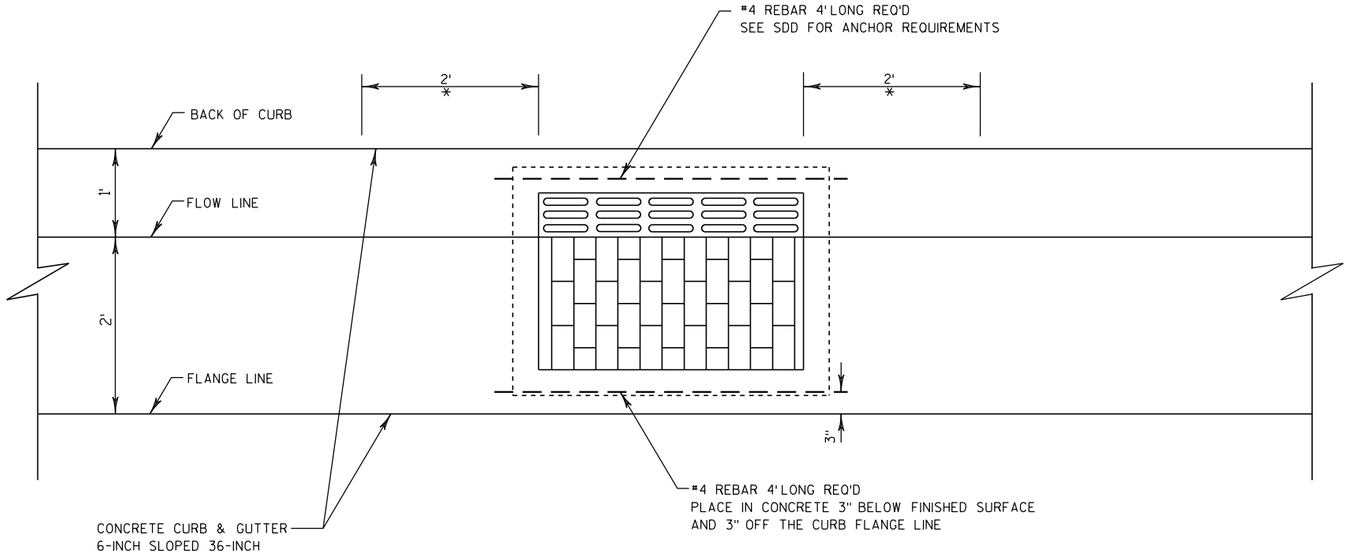
TYPICAL HALF SECTION
WITH RELIEF TRENCH



RELIEF TRENCH PLAN VIEW

RELIEF TRENCH

2



PLAN VIEW

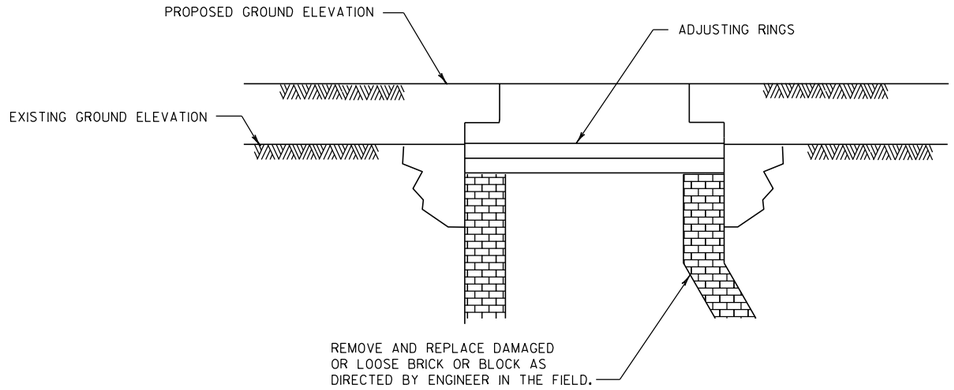
* TRANSITION STANDARD CURB HEAD TO MATCH THE TYPE HM INLET COVER.

NOTES

1. SEE SDD "INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S" FOR ADDITIONAL INFORMATION.
2. THE TWO 2-FOOT LONG CURB TRANSITION SEGMENTS ARE PAID AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH.
3. THE TWO 4-FOOT LENGTHS OF #4 REBAR ARE INCIDENTAL TO THE BID ITEM "INLET COVERS TYPE HM".

INLET COVERS, TYPE HM

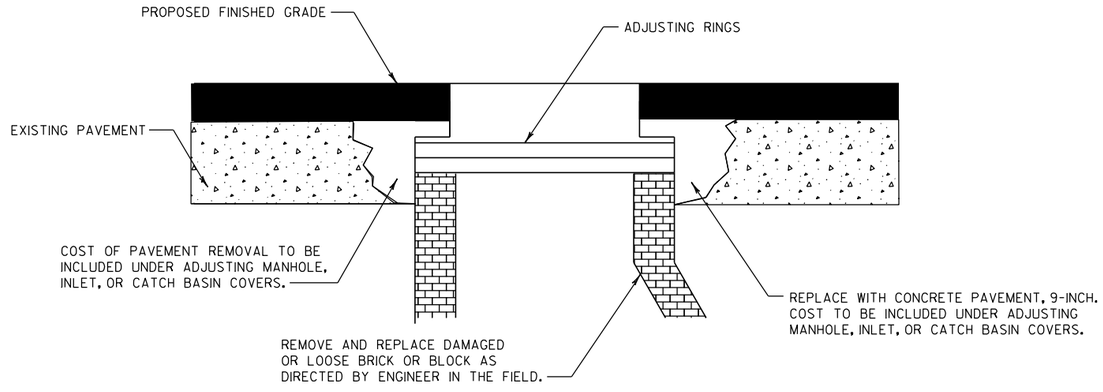
2



NON-PAVED AREA

NOTE

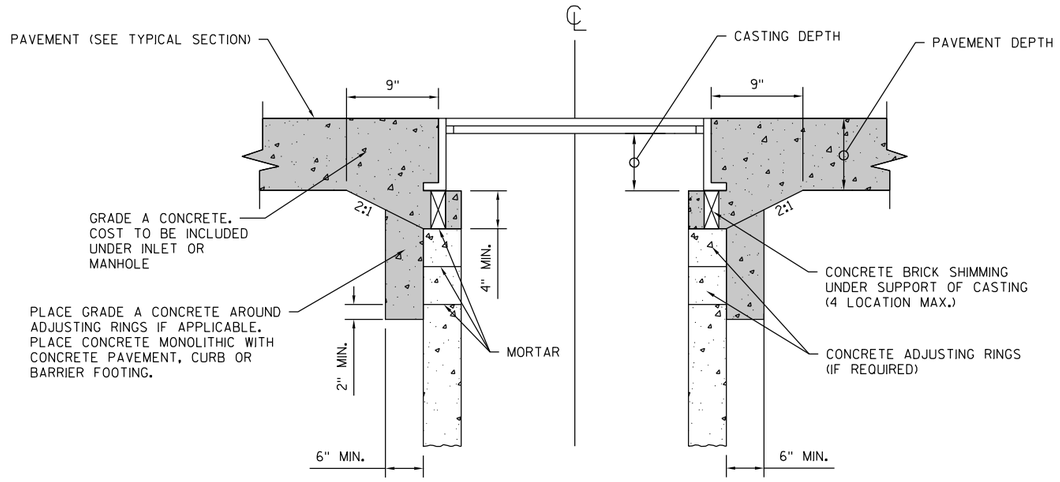
ADJUST CHIMNEY WITH PROPER SIZE CONCRETE ADJUSTING RINGS (SIZE OF OPENING OF CONCRETE ADJUSTING RING TO BE DETERMINED BY SIZE OF OPENING IN FRAME) AND REINSTALL EXISTING FRAME AND LID TO FINISHED GRADE. (BACKFILL AND OTHER WORK TO BE DONE IN ACCORDANCE WITH ITEM ADJUSTING INLET COVER.)



PAVED AREA

ADJUSTING MANHOLE OR INLET COVERS

2



NOTE

PROVIDE MONOLITHIC CONCRETE SHIMMING FOR FINAL ADJUSTMENT OF DRAINAGE STRUCTURES LOCATED WITHIN THE ROADWAY CONCRETE PAVEMENT AND CONCRETE CURB & GUTTER.

MONOLITHIC CONCRETE

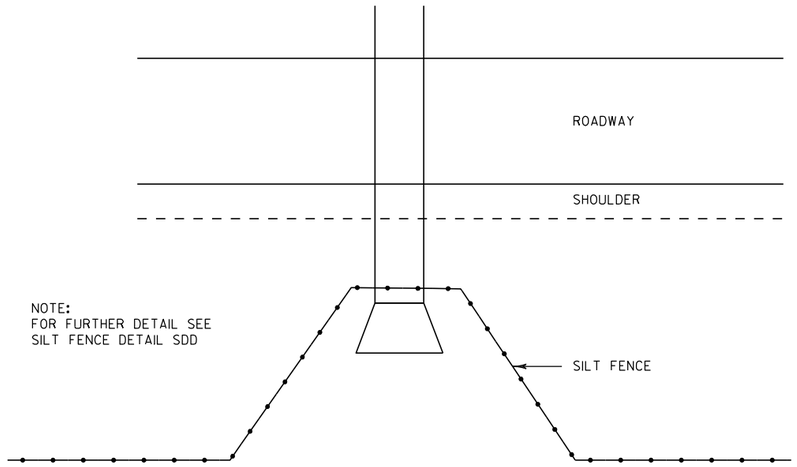
MONOLITHIC CONCRETE SHIMMING DETAIL

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET PRE_50	E

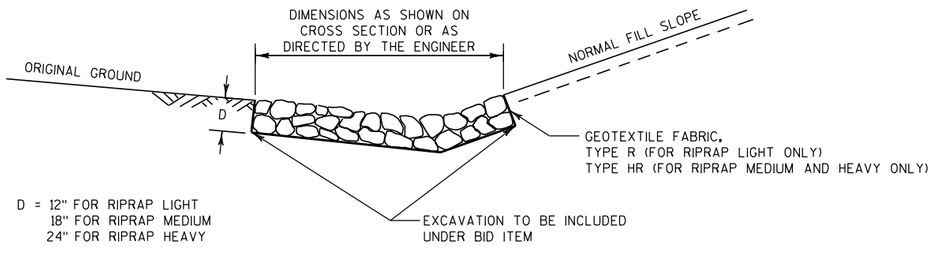
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021001_cd.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021001_cd10 PLOT SCALE : 2:1

WISDOT/CADDS SHEET 42

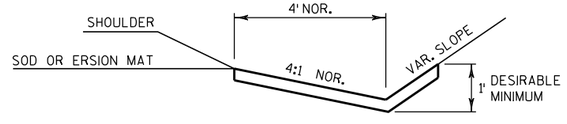
2



TYPICAL SILT FENCE DETAIL AT PIPE INLET

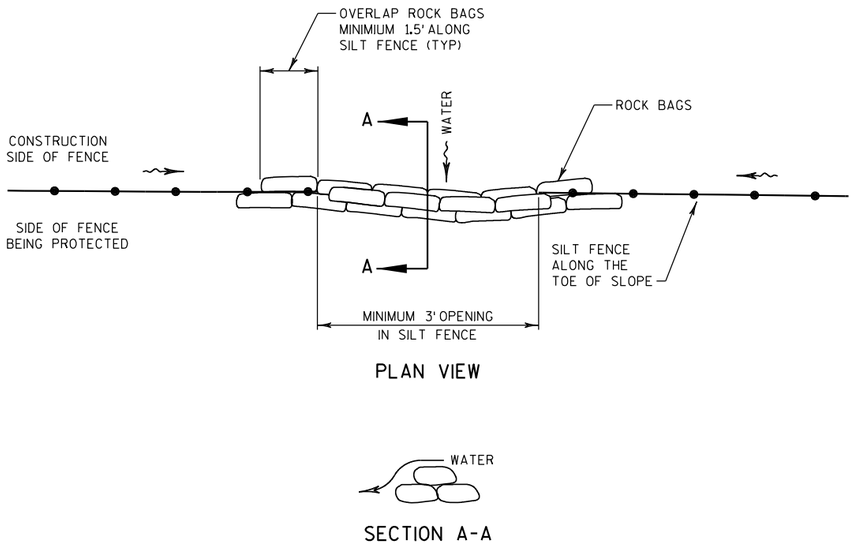


RIPRAP IN DITCHES

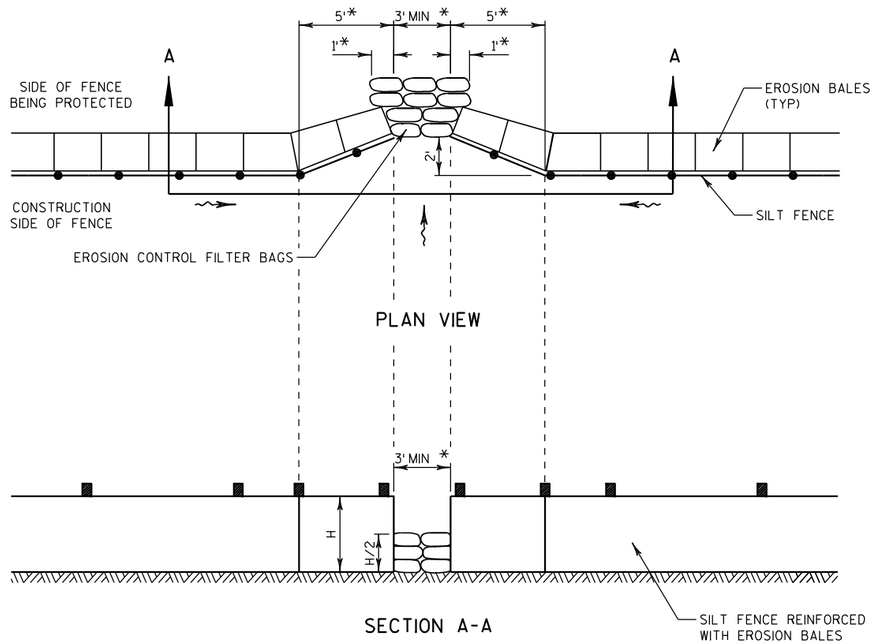


SOD OR EROSION MAT DETAIL FOR DITCHES

2



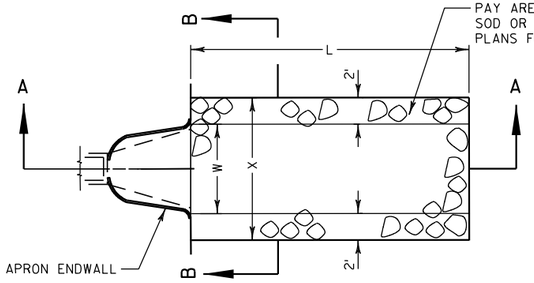
SILT FENCE DRAINAGE OUTLET, ROCK BAGS



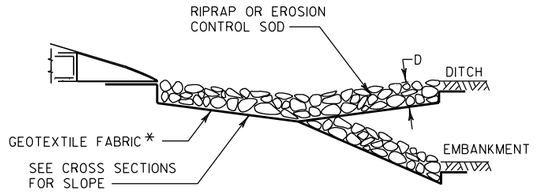
* DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

SILT FENCE DRAINAGE OUTLET, EROSION CONTROL FILTER BAGS

(FOR USE IN ENVIRONMENTALLY SENSITIVE AREAS)



PLAN VIEW



SECTION A-A

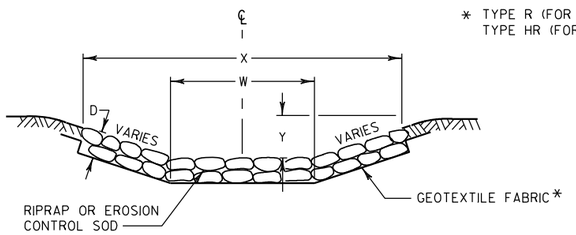
L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+4' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+6' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
6" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

* TYPE R (FOR RIPRAP LIGHT ONLY)
TYPE HR (FOR RIPRAP HEAVY AND MEDIUM ONLY)



SECTION B-B

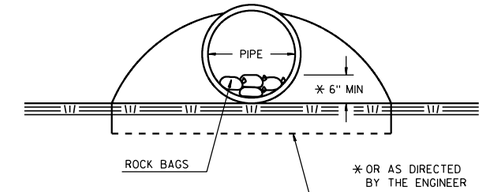
CONSTRUCTION NOTES

1. GEOTEXTILE FABRIC SHALL EXTEND BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION. INSTALL ON PREPAVED FOUNDATION. GRADE PRIOR TO END WALL INSTALLATION.

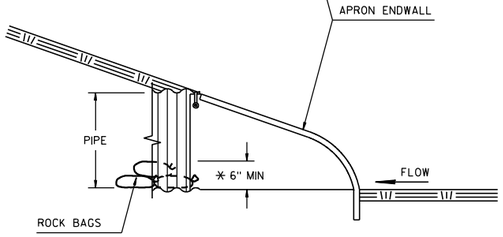
2. COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

SOD, RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS



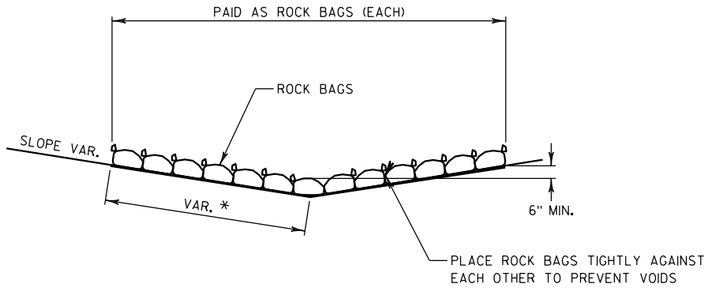
END VIEW



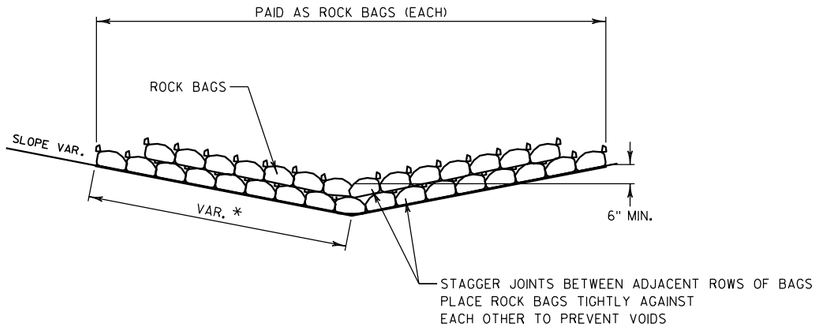
SIDE VIEW

ESTIMATED BAG SIZE = 18" X 12" X 6"	
PIPE SIZE	ESTIMATED NUMBER OF BAGS
12"	1
15"	2
18"	2
24"	3
30"	5
36"	7
42"	7
48"	10
54"	10
60"	13
66"	14
72"	16
13"X17"	2
19"X30"	5
24"X38"	7
29"X45"	10
34"X53"	10
38"X60"	13
48"X76"	18

CULVERT PIPE ENDS



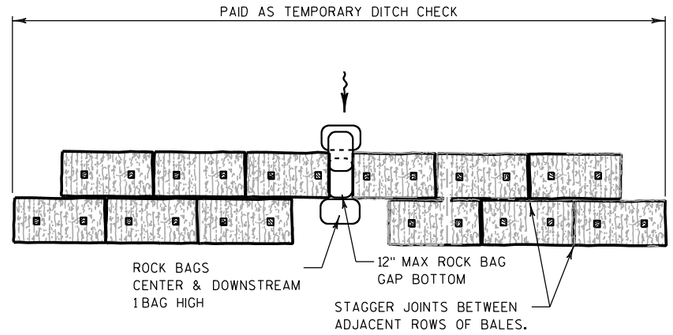
SIDE VIEW (SINGLE LAYER)



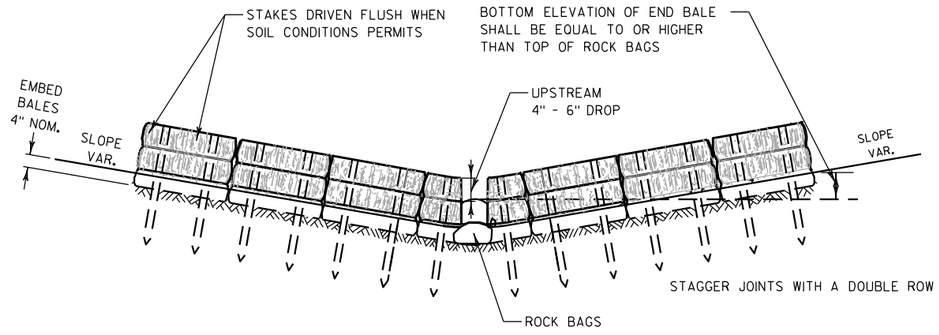
* LENGTH AND NUMBER OF BAGS MAY VARY
DEPENDING ON DESIRED DEPTH OF WATER POOL.

SIDE VIEW (DOUBLE LAYER)

TEMPORARY DITCH CHECK, ROCK BAGS,
SINGLE LAYER AND DOUBLE LAYER



PLAN VIEW



FRONT ELEVATION

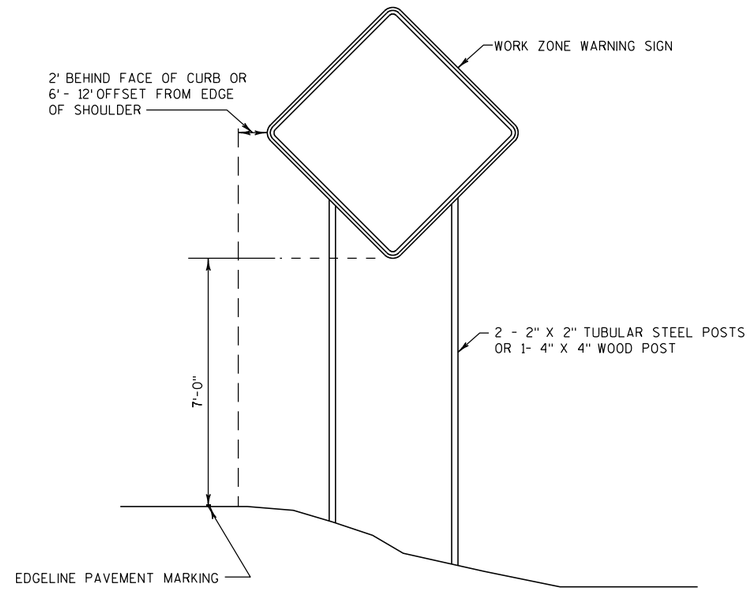
NOTE

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.

TEMPORARY DITCH CHECK, MODIFIED

TEMPORARY DITCH CHECKS

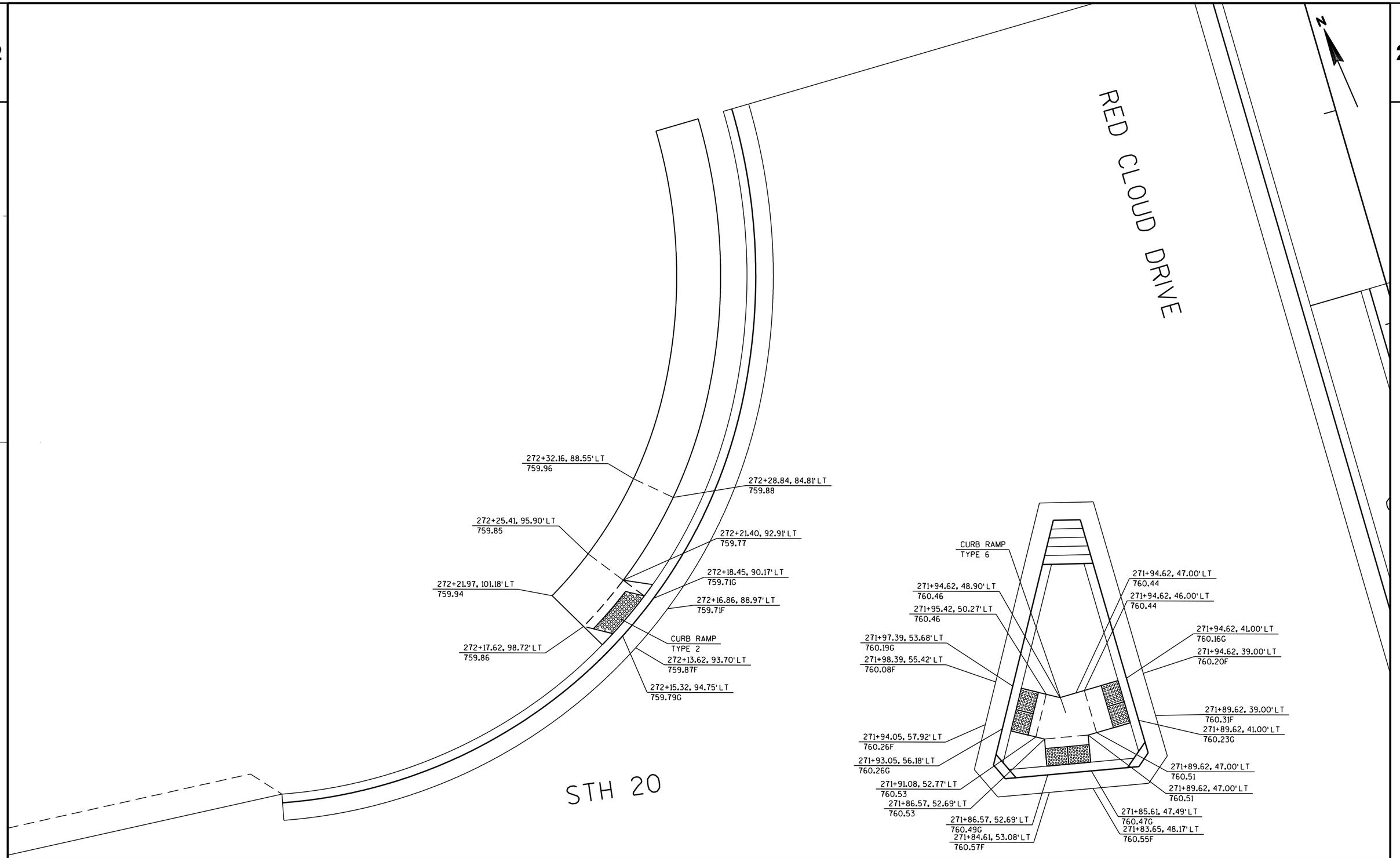
2



TYPICAL TEMPORARY TRAFFIC CONTROL SIGN MOUNTING ON FIXED SUPPORT

LONG TERM
7 DAYS OR MORE

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET PRE_56	E

2

N

RED CLOUD DRIVE

272RC

272+07.99, 39.95' RT
760.00

272+05.81, 35.45' RT
759.93

271+99.51, 45.21' RT
759.81

271+96.46, 41.25' RT
759.73

271+89.74, 55.29' RT
759.94

271+94.62, 37.62' RT
759.67G

271+89.74, 55.29' RT
759.99

271+93.42, 36.02' RT
759.68F

271+84.33, 54.33' RT
759.92

CURB RAMP
TYPE 2

271+88.25, 40.38' RT
759.82F

271+89.62, 41.83' RT
759.77G

271+89.62, 47.53' RT
759.86

271+87.63, 49.84' RT
759.88

271+80.07, 53.57' RT
759.86G

271+78.37, 52.52' RT
759.94F

271+83.17, 49.04' RT
759.88G

CURB RAMP
TYPE 2

271+81.56, 47.86' RT
759.96F

271+94.62, 2.94' LT
759.90G

271+94.30, 0.97' LT
759.96F

271+94.62, 10.00' LT
759.97G

271+94.62, 12.00' LT
760.02F

271+89.17, 1.98' LT
760.01F

271+89.62, 3.93' LT
759.97G

271+89.59, 12.00' LT
760.12F

271+89.62, 10.00' LT
760.04G

CURB RAMP
TYPE 5

STH 20

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET PRE_57	E

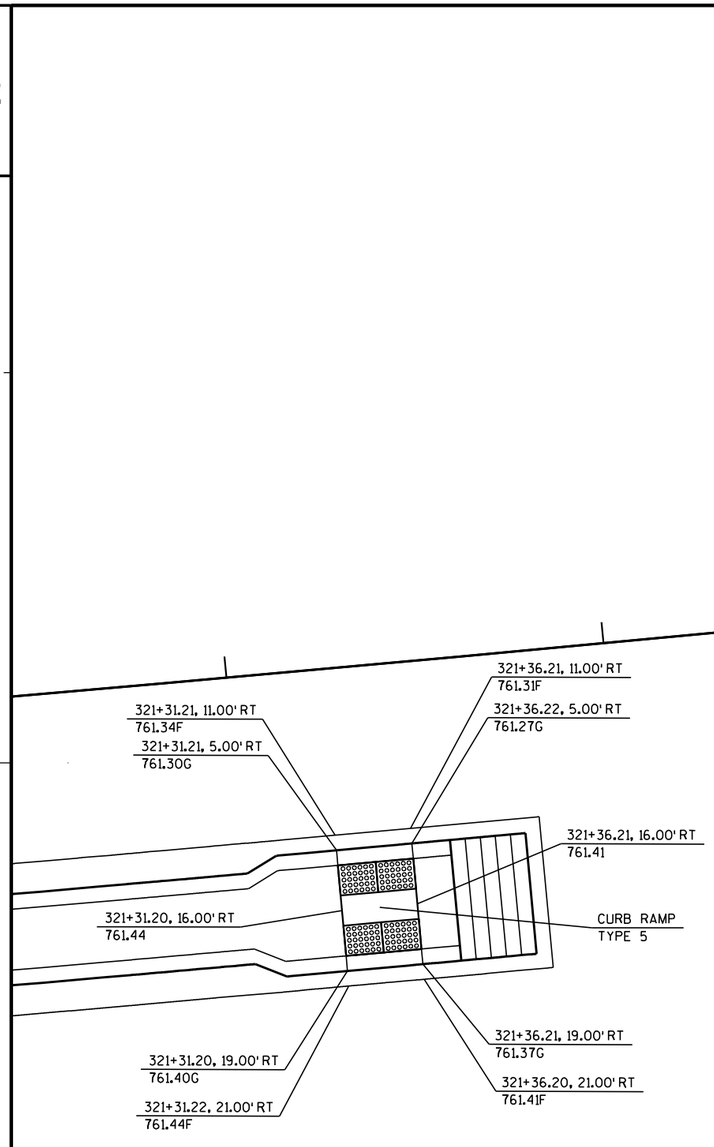
2

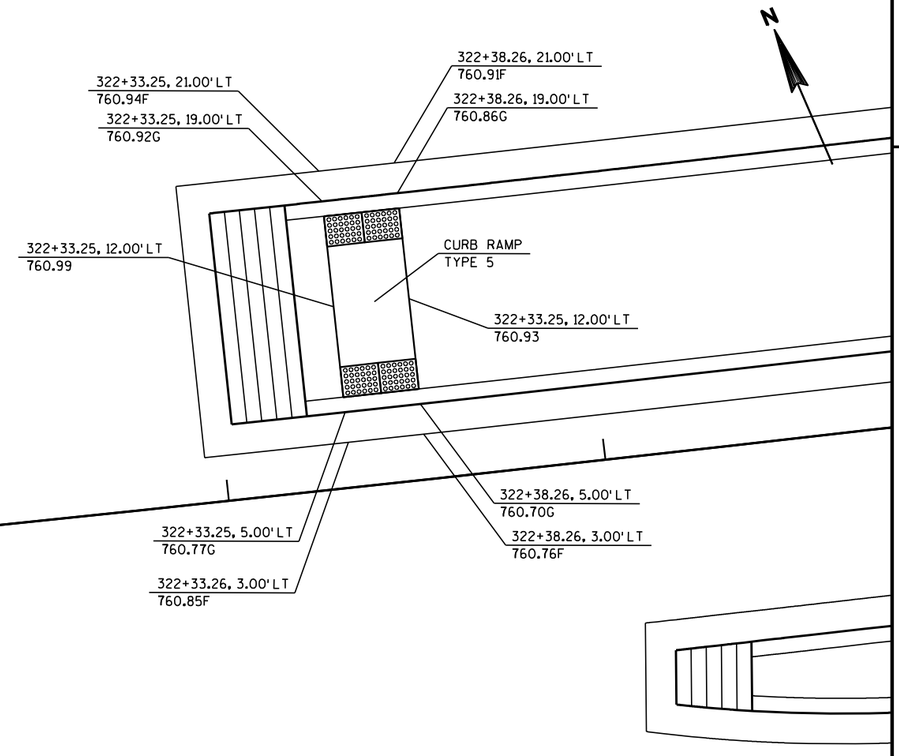
RED CLOUD DRIVE

322

STH 20

21RD DR





2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET PRE_58	E

2

STH 20

CURB RAMP
TYPE 2

270+36.45, 81.38' LT
762.09F

270+34.75, 82.44' LT
762.01G

270+33.26, 76.74' LT
762.06F

270+31.67, 77.95' LT
761.98G

270+27.27, 78.81' LT
762.04

270+23.27, 74.45' LT
762.00

270+23.27, 69.02' LT
761.92G

270+24.58, 67.51' LT
762.00F

CURB RAMP
TYPE 2

270+30.53, 83.27' LT
762.07

270+19.40, 63.52' LT
761.97F

270+18.27, 65.18' LT
761.89G

270+25.18, 84.31' LT
762.13

270+16.58, 68.85' LT
761.95

270+19.77, 78.02' LT
762.08

270+13.75, 73.00' LT
762.03

769+99.46, 64.50' LT
762.51

269+99.46, 69.50' LT
762.59

270+23.27, 20.00' LT
762.07G

270+23.27, 25.53' LT
761.99G

270+23.27, 18.00' LT
762.15F

270+23.67, 27.49' LT
762.06F

270+18.27, 18.00' LT
762.19F

270+18.53, 28.35' LT
762.10F

270+18.27, 20.00' LT
762.11G

270+18.27, 26.37' LT
762.03G

CURB RAMP
TYPE 5

270+29.31, 26.84' RT
761.81F

270+30.19, 21.90' RT
761.84F

270+23.27, 20.00' RT
761.73G

270+23.27, 25.53' RT
761.76G

270+22.60, 25.64' RT
762.01

270+23.27, 20.66' RT
761.98

270+23.27, 25.53' RT
761.94G

270+23.27, 15.00' RT
762.02F

CURB RAMP
TYPE 6

270+18.27, 15.00' RT
762.09F

270+18.27, 26.37' RT
762.01G

270+18.27, 23.13' RT
762.07

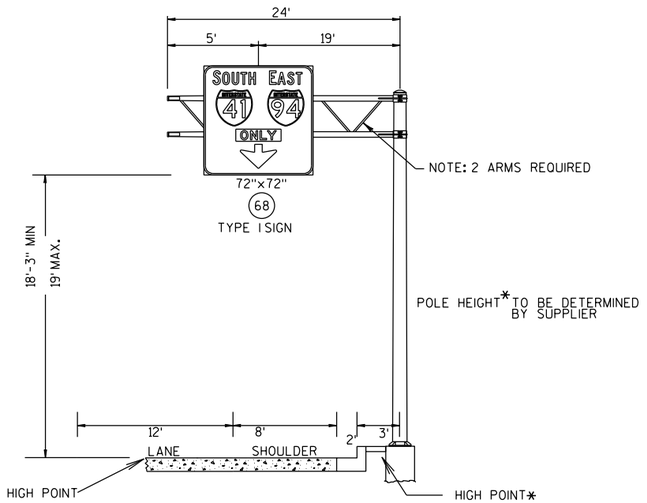
270TH AVENUE

RED CLOUD DRIVE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET PRE_59	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021003_cd.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021003_cd3 PLOT SCALE : 10:1

2



OVERHEAD SIGN SUPPORTS DETAIL

S-51-227
STH 20 EB @ IH-41/94 SOUTH ON RAMP
STA 289+10

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY 1 CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

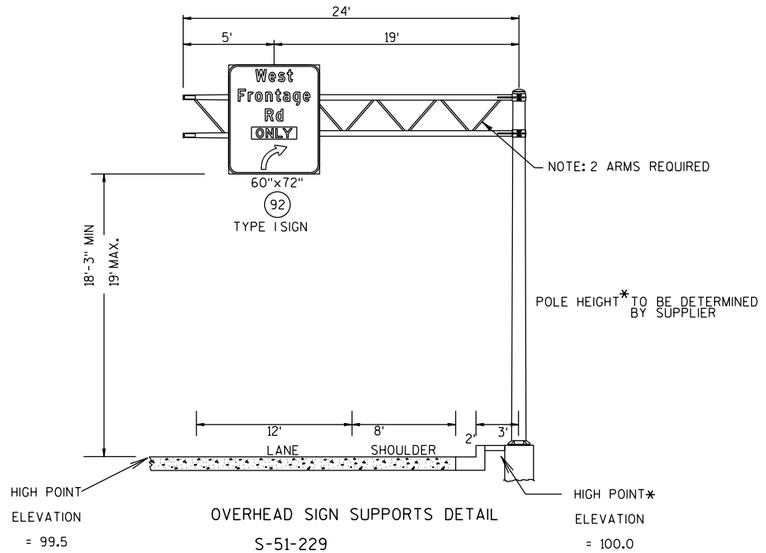
NOTE, CONTRACTOR SHALL:

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

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

IBEAMS - W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

2



OVERHEAD SIGN SUPPORTS DETAIL

S-51-229

STH 20 WB @ WEST FRONTAGE ROAD

STA 290+38

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY 1 CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

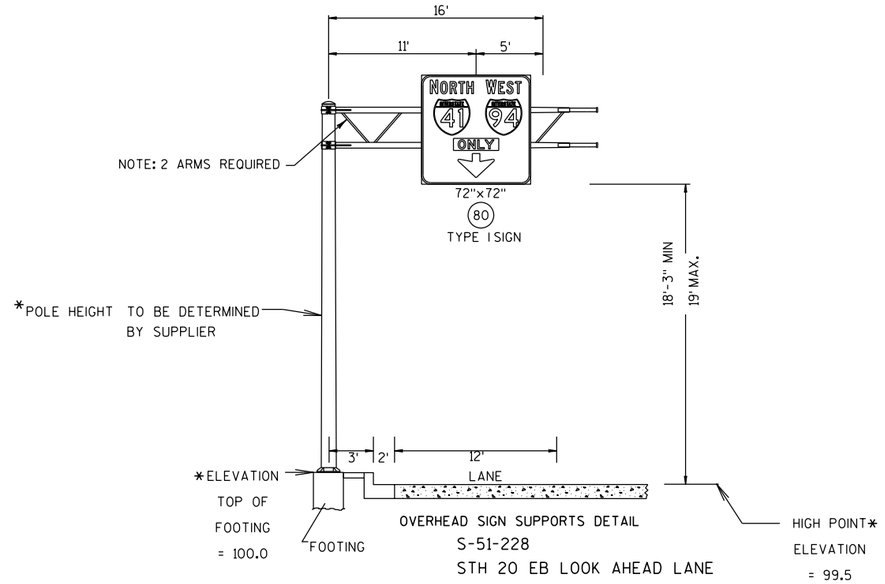
NOTE, CONTRACTOR SHALL:

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

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

IBEAMS - W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

2



OVERHEAD SIGN SUPPORTS DETAIL
S-51-228
STH 20 EB LOOK AHEAD LANE
TO IH-41/94 NORTHBOUND
STA 290+25

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY 1 CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

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

I BEAMS - W5X3.7 I BEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

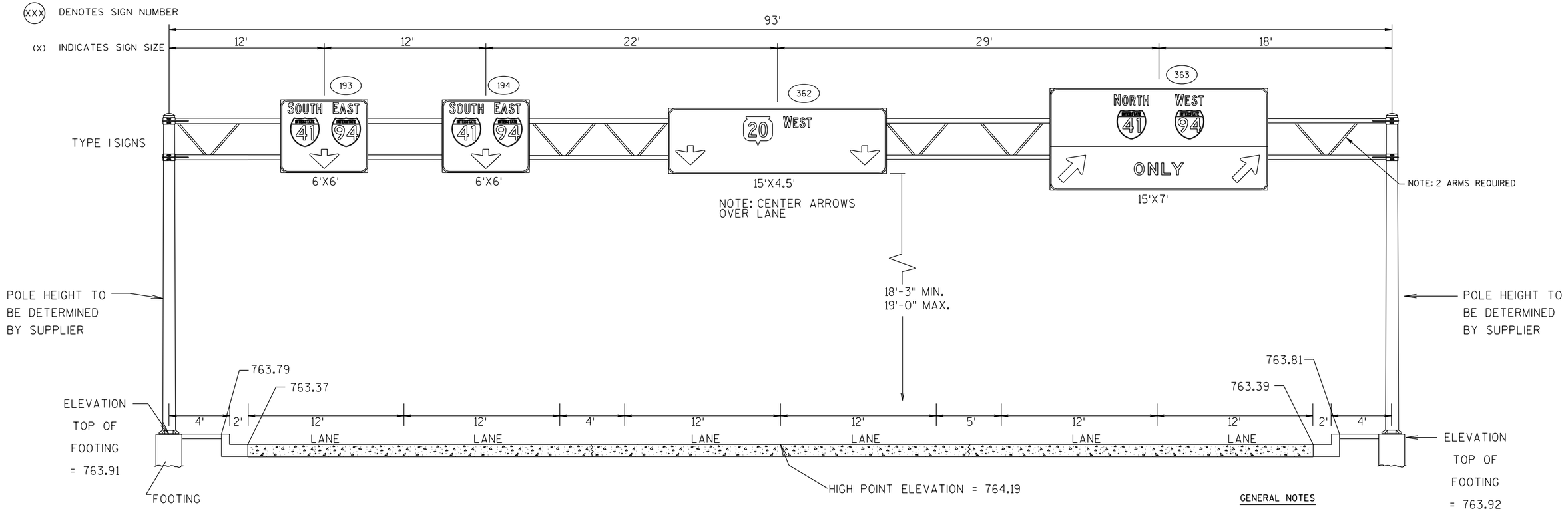
PROJECT NO: 1033-02-71	HWY: IH-94/STH 20	COUNTY: RACINE	OVERHEAD SIGN SUPPORT S-51-228	SHEET	E

PRE_62

LEGEND

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



OVERHEAD SIGN SUPPORTS DETAIL

S-51-230
STH 20 WB AT IH41 / 94 RAMP
STA 298+00

NOTE: FOOTING SHALL BE PER STANDARD DETAIL DRAWING, 36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE & INCIDENTAL TO STRUCTURE

IBEAMS - W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	FC=3500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	FY=60,000 PSI

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY I CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

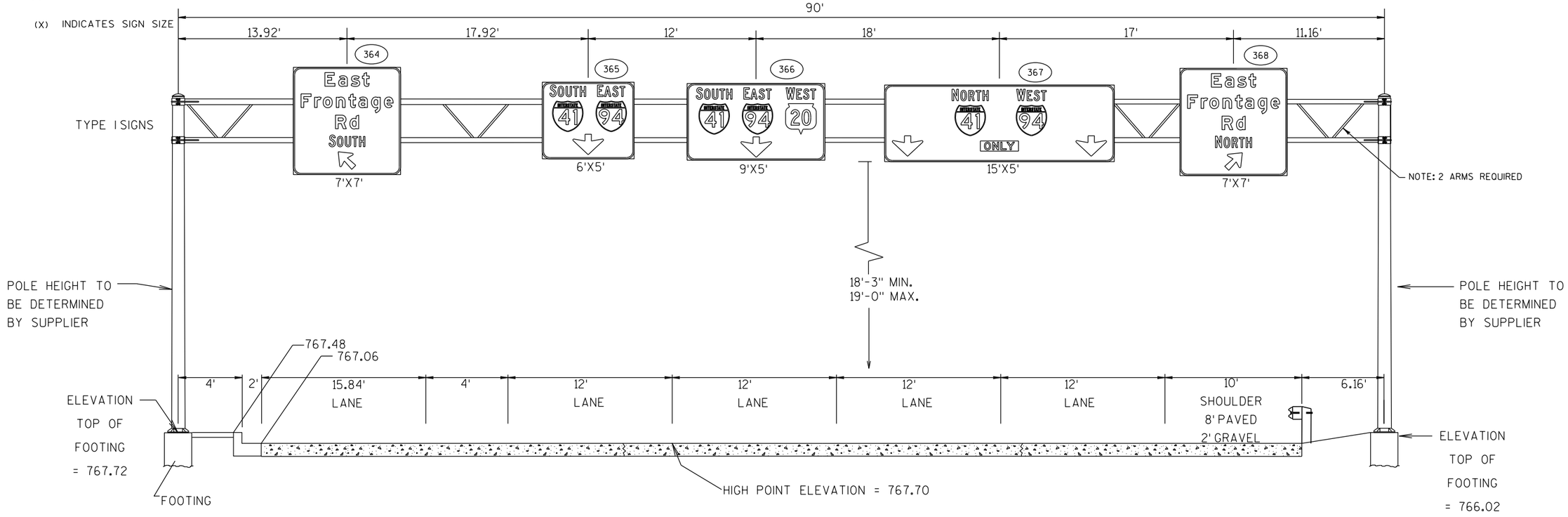
NOTE, CONTRACTOR SHALL:

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

LEGEND

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



NOTE: CLEAR ZONE 18' MINIMUM FROM THRU 12' LANE

OVERHEAD SIGN SUPPORTS DETAIL

S-51-259
STH 20 WB AT EAST FRONTAGE RD
STA 308+50

NOTE: FOOTING SHALL BE PER STANDARD DETAIL DRAWING, 36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE & INCIDENTAL TO STRUCTURE

I BEAMS - W5X3.7 I BEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	FC=3500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	FY=60,000 PSI

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY I CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

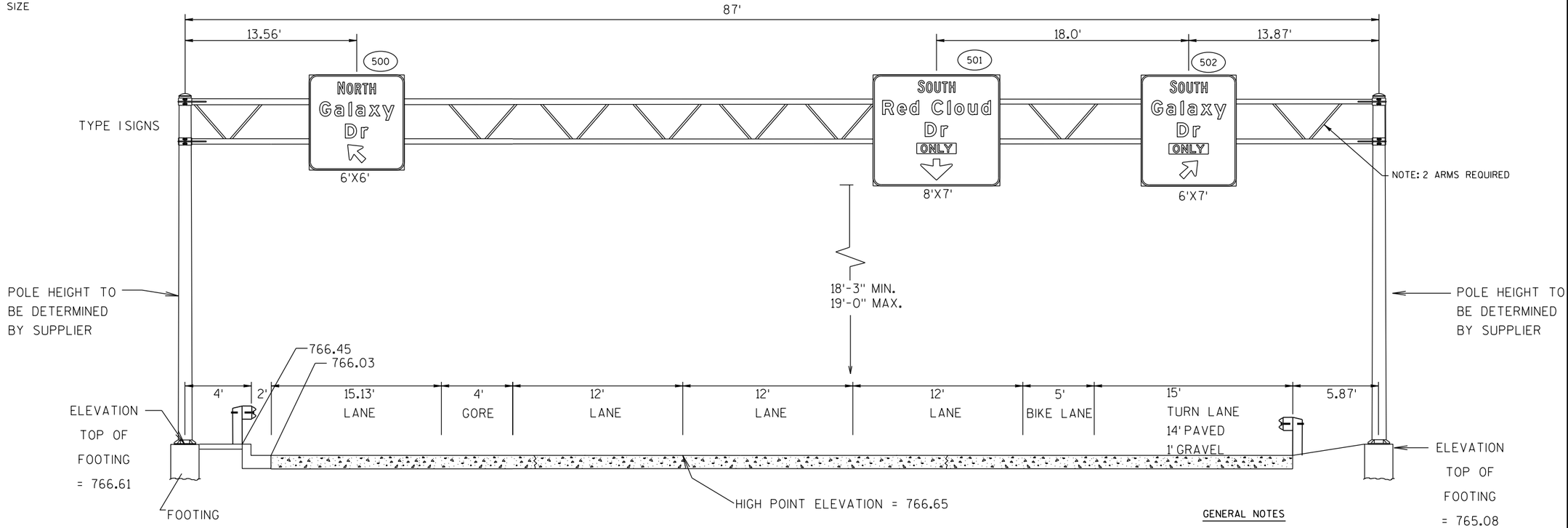
NOTE, CONTRACTOR SHALL:

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

LEGEND

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



OVERHEAD SIGN SUPPORTS DETAIL

S-51-260
STH 20 EB AT GALAXY DR
STA 311+25

NOTE: FOOTING SHALL BE PER STANDARD DETAIL DRAWING, 36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE & INCIDENTAL TO STRUCTURE

IBEAMS - W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	FC=3500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	FY=60,000 PSI

FOUNDATION DATA

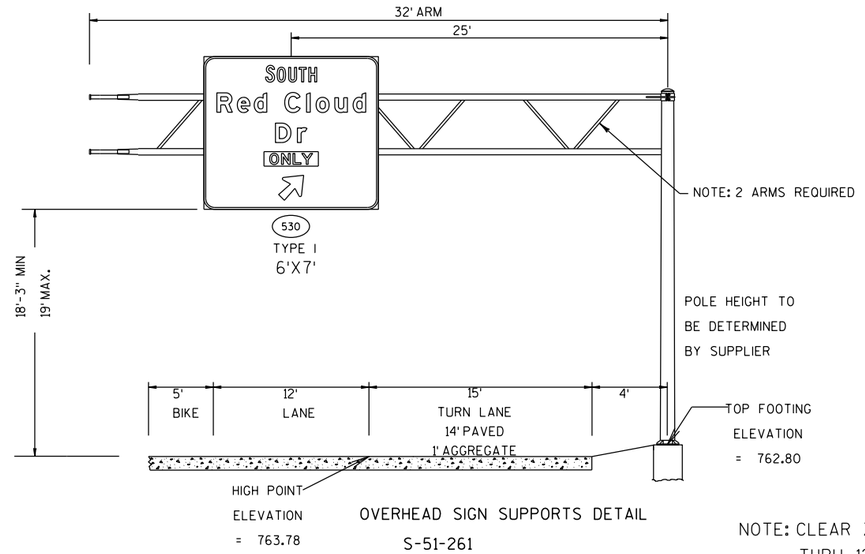
ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY I CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.



OVERHEAD SIGN SUPPORTS DETAIL

S-51-261
STH 20 EB AT RED CLOUD DR
STA 318+25

NOTE: CLEAR ZONE 18' MINIMUM FROM THRU 12' LANE

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY 1 CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

CONTRACTOR TO USE SDD 9C12-9a TYPE 13 BASE WITHOUT ELECTRICAL

NOTE, CONTRACTOR SHALL:

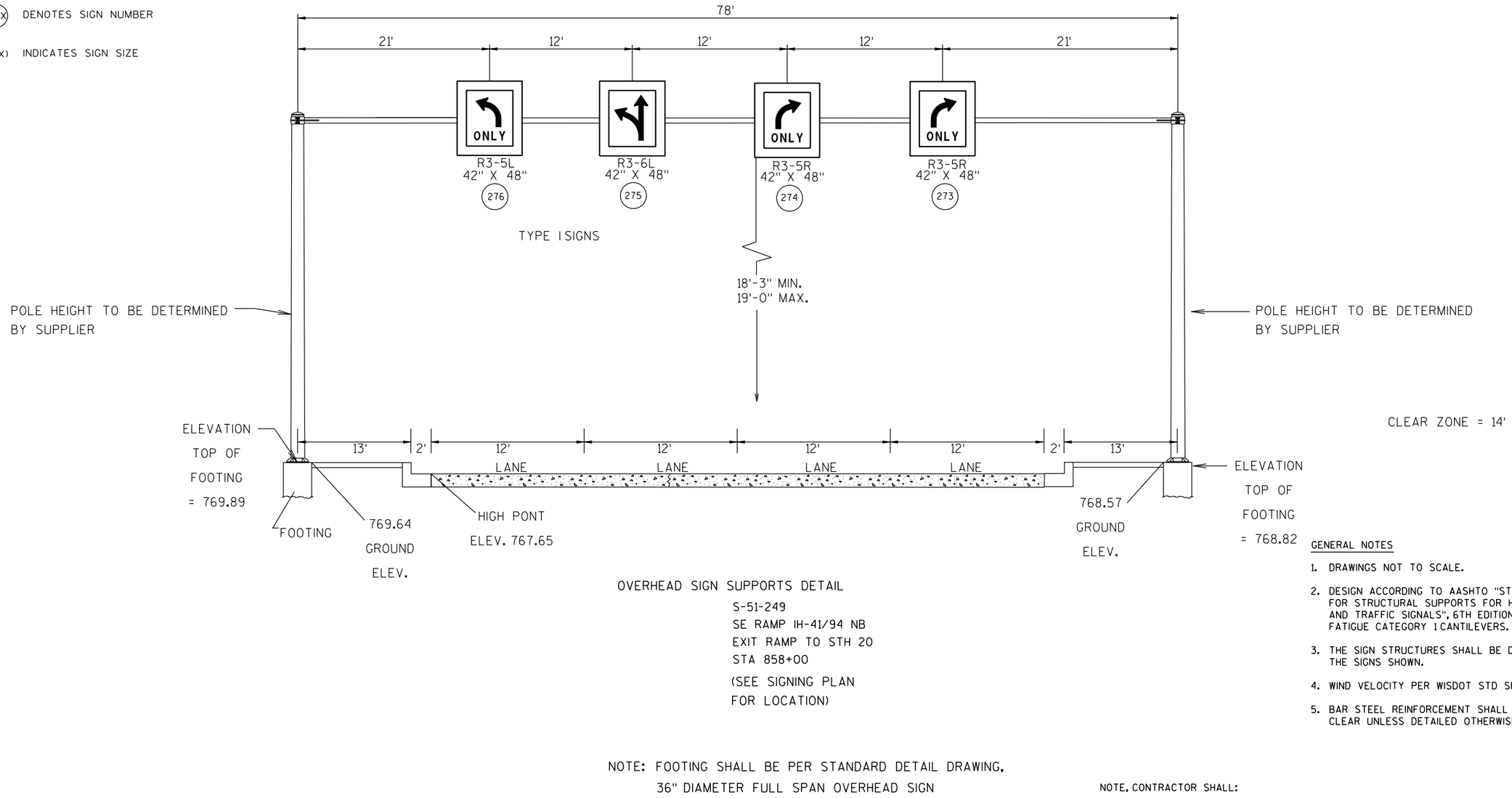
1. SUBMIT SHOP DRAWINGS OF OVERHEAD SIGN SUPPORT. FOOTING IS INCIDENTAL TO OVERHEAD SIGN SUPPORT.
2. PROVIDE DESIGN CALCULATIONS.
3. SHOW SIGNS ON SHOP DRAWINGS.
4. I.D. PLAQUE INCIDENTAL TO OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

I BEAMS - W5X3.7 I BEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

LEGEND

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



OVERHEAD SIGN SUPPORTS DETAIL

S-51-249
SE RAMP IH-41/94 NB
EXIT RAMP TO STH 20
STA 858+00

(SEE SIGNING PLAN FOR LOCATION)

NOTE: FOOTING SHALL BE PER STANDARD DETAIL DRAWING, 36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE & INCIDENTAL TO STRUCTURE

IBEAMS - W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE I SIGNS

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	FC=3500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	FY=60,000 PSI

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY I CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

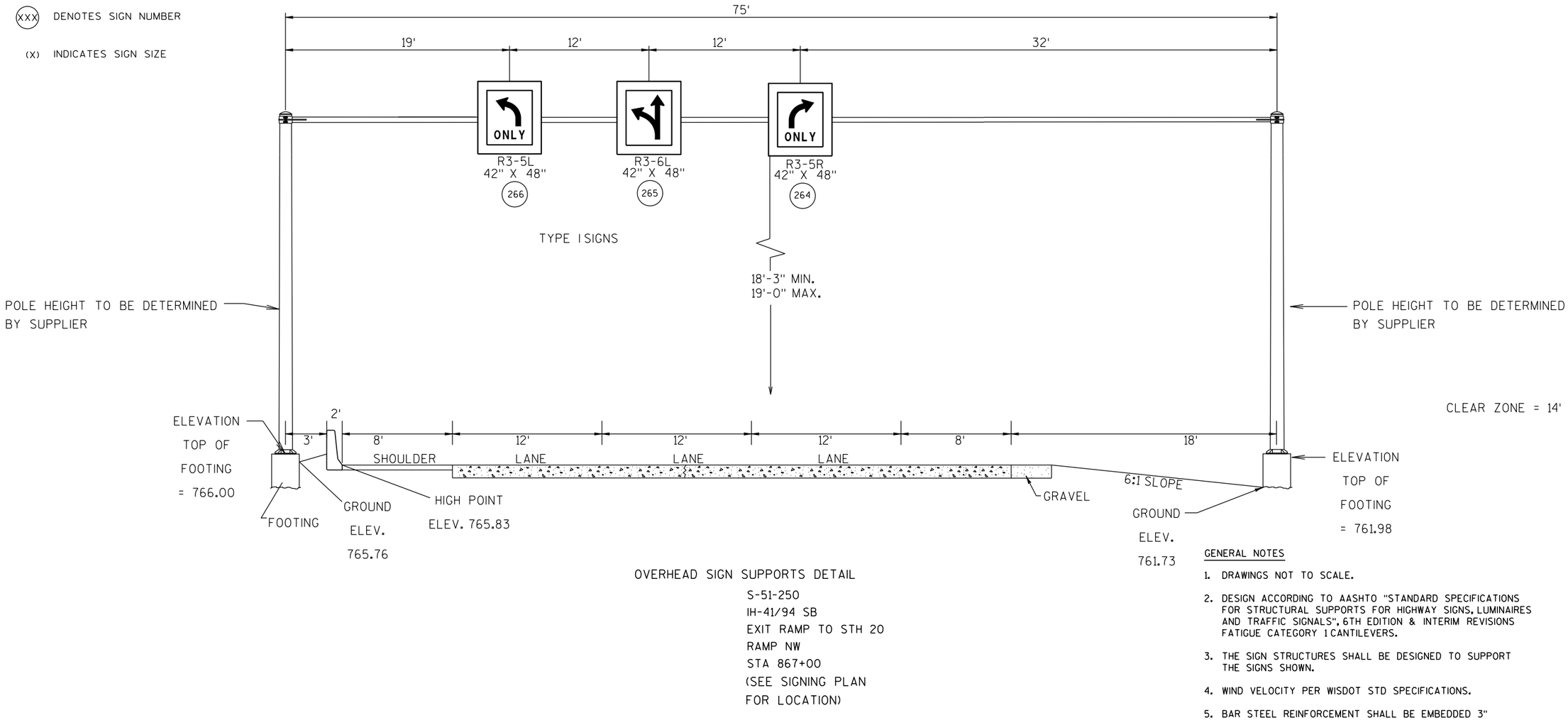
NOTE, CONTRACTOR SHALL:

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

LEGEND

(XXX) DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE



OVERHEAD SIGN SUPPORTS DETAIL

S-51-250
IH-41/94 SB
EXIT RAMP TO STH 20
RAMP NW
STA 867+00
(SEE SIGNING PLAN
FOR LOCATION)

NOTE: FOOTING SHALL BE PER STANDARD DETAIL DRAWING, 36" DIAMETER FULL SPAN OVERHEAD SIGN SUPPORT BASE & INCIDENTAL TO STRUCTURE

IBEAMS - W5X3.7 IBEAMS FOR MOUNTING SIGNS ARE INCIDENTAL TO TYPE ISIGNS

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY	FC=3500 PSI
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	FY=60,000 PSI

FOUNDATION DATA

ALLOWABLE SOIL BEARING PRESSURE = 3000 PSF

GENERAL NOTES

1. DRAWINGS NOT TO SCALE.
2. DESIGN ACCORDING TO AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", 6TH EDITION & INTERIM REVISIONS FATIGUE CATEGORY I CANTILEVERS.
3. THE SIGN STRUCTURES SHALL BE DESIGNED TO SUPPORT THE SIGNS SHOWN.
4. WIND VELOCITY PER WISDOT STD SPECIFICATIONS.
5. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 3" CLEAR UNLESS DETAILED OTHERWISE.

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 OVERHEAD SIGN SUPPORT PER STANDARD SPEC 641.3.1.4.
5. 6 ANCHOR RODS MINIMUM PER STANDARD DETAIL DRAWING. DESIGN STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE.
6. REFER TO SIGN PLATE A4-7.4 FOR ATTACHMENT OF SIGNS TO OVERHEAD SIGN SUPPORT
7. INSTALL SIGNS OR SIGN BLANKS ON OVERHEAD SIGN SUPPORTS AT THE TIME OF ERECTION AS SPECIFIED IN STANDARD SPEC 641.3.1.4.

GENERAL NOTES

1) ALL ITEMS ASSOCIATED WITH LIGHTING REMOVALS ARE SHOWN IN LIGHTING PLAN.

2) ALL ITEMS ASSOCIATED WITH BRIDGE REMOVALS ARE SHOWN IN BRIDGE PLAN.

3) ALL ITEMS ASSOCIATED WITH FTMS REMOVALS ARE SHOWN IN FTMS PLAN.

4) CLEARING AND GRUBBING SHALL BE PAID EITHER BY THE STATION OR INCH DIAMETER (I.D.)

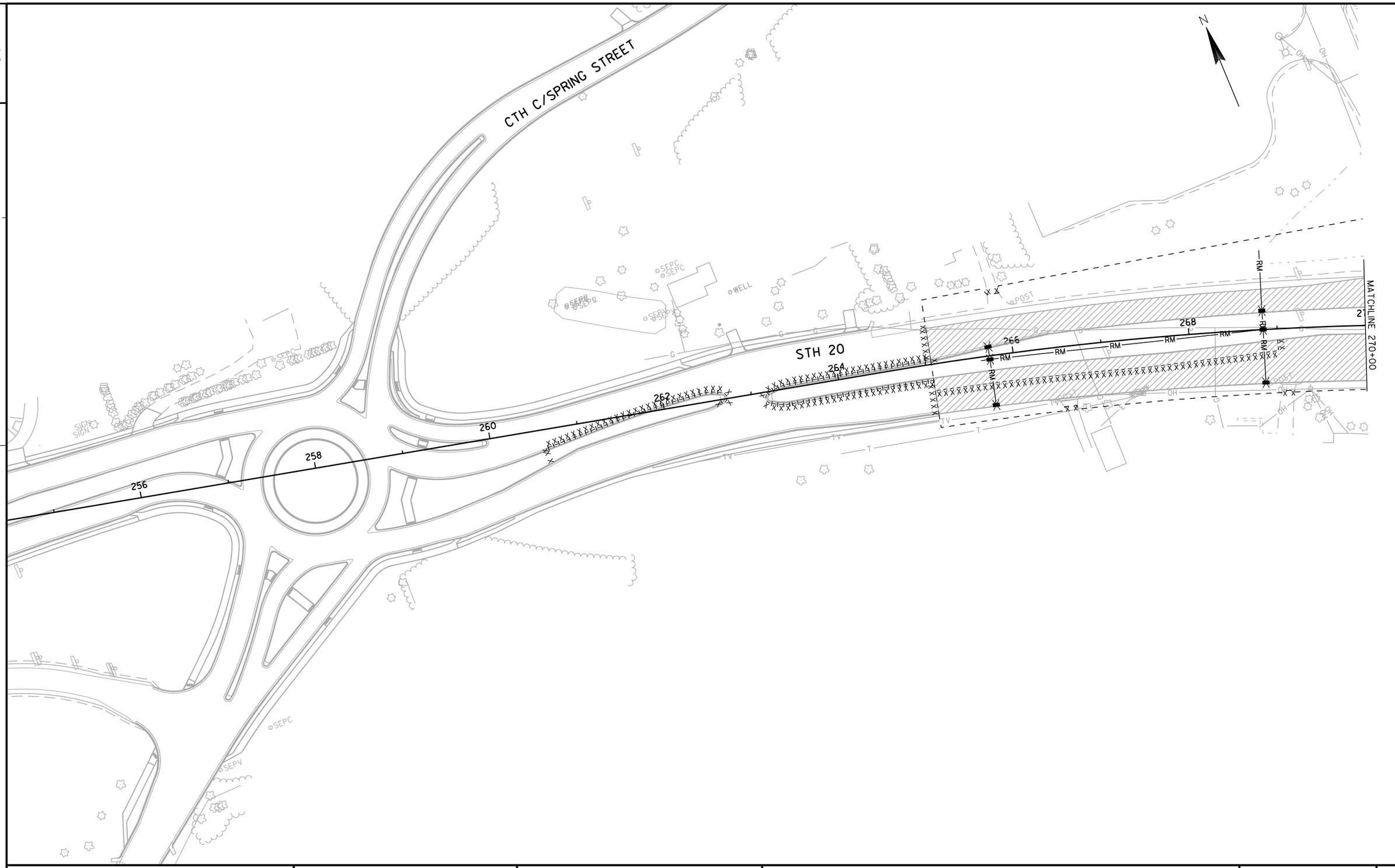
5) FOR ADDITIONAL UTILITY INFORMATION SEE EXISTING UTILITY PLAN.

6) THE LOCATION OF THE EXISTING UTILITY INSTALLATIONS AS SHOWN ON THE PLANS IS APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN INCLUDING BUILDING SERVICES AND LATERALS.

LEGEND

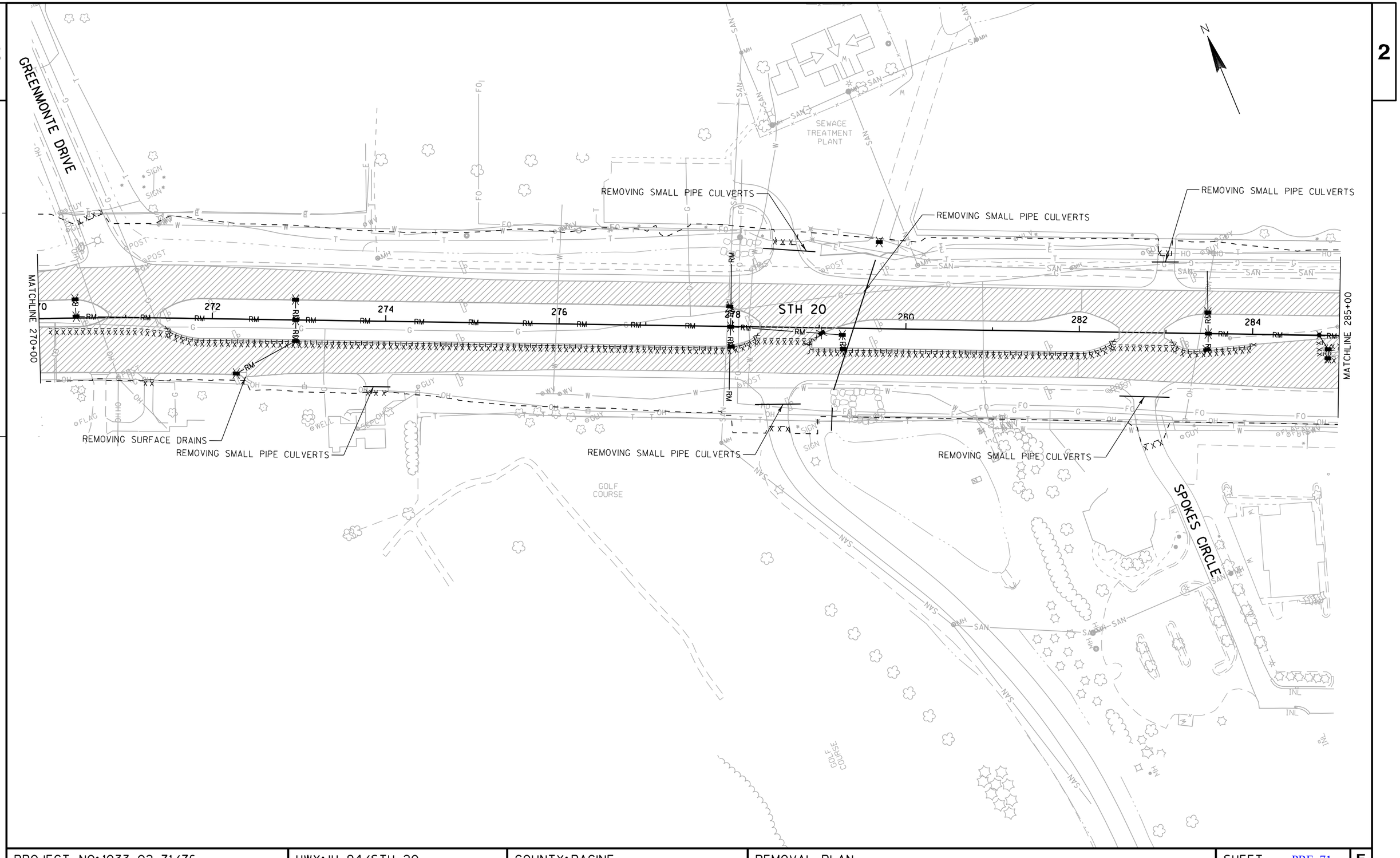
- X — CLEARING AND GRUBBING (I.D.)
- CLEARING AND GRUBBING (STATION)
- REMOVING PAVEMENT
- REMOVING ASPHALTIC SURFACE MILLING
- REMOVING ASPHALTIC SURFACE
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND CUTTER
- X X X SAWING ASPHALT
- X X X SAWING CONCRETE PAVEMENT
- REMOVING CONCRETE BARRIER
- MAINTAIN AND REMOVE CONCRETE BARRIER TEMPORARY PRECAST
- REMOVING FENCE
- SLOPE INTERCEPT
- RM REMOVING STORM SEWER
- REMOVING INLETS
- REMOVING MANHOLES

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_70	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_71	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021102_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021102_rm PLOT SCALE : 100:1

2

MATCHLINE 4868+00

MATCHLINE 868NW+00

MATCHLINE 866NE+00

WEST FRONTAGE ROAD

RAMP NW

RAMP NE

REMOVING SMALL PIPE CULVERTS

STH 20

MATCHLINE 285+00

MATCHLINE 300+00

REMOVING SMALL PIPE CULVERTS

REMOVING SMALL PIPE CULVERTS

WEST FRONTAGE ROAD

SPOKES CIRCLE

MATCHLINE 2861+00

RAMP SW

IH 94 SB

IH 94 NB

RAMP SE

REMOVING SURFACE DRAINS

MATCHLINE 859SW+00

MATCHLINE 857SE+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_72	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021103_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021103_rm PLOT SCALE : 100:1

2

MATCHLINE 5863+00

EAST FRONTAGE ROAD

STH 20

REMOVING SMALL PIPE CULVERTS

MATCHLINE 315+00

MATCHLINE 300+00

REMOVING SMALL PIPE CULVERTS

EAST FRONTAGE ROAD

MATCHLINE 3854+00

REMOVING SMALL PIPE CULVERTS

GALAXY DRIVE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_73	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021104_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021104_rm PLOT SCALE : 100:1

2

RED CLOUD DRIVE

MATCHLINE 315+00

MATCHLINE 330+00

STH 20

316 318 320 322 324 326 328

RM RM RM

27252

27052

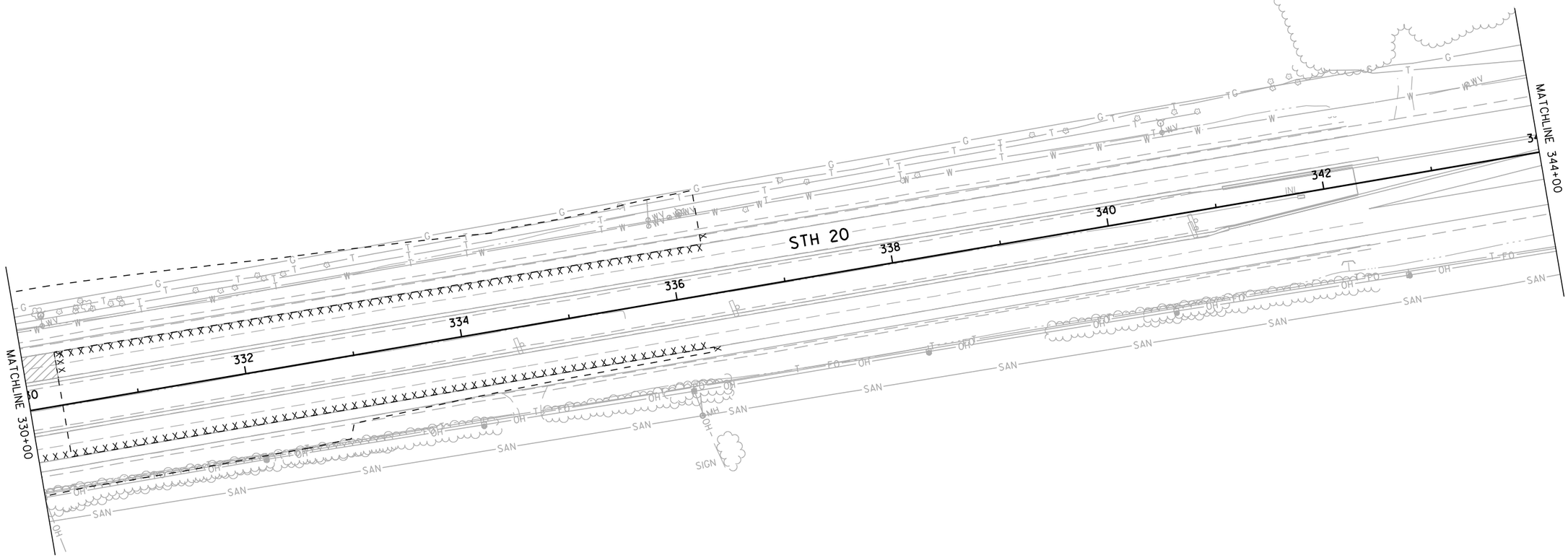
SIGN SIGN

FO OH SAN SAN GUY W

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_74	E

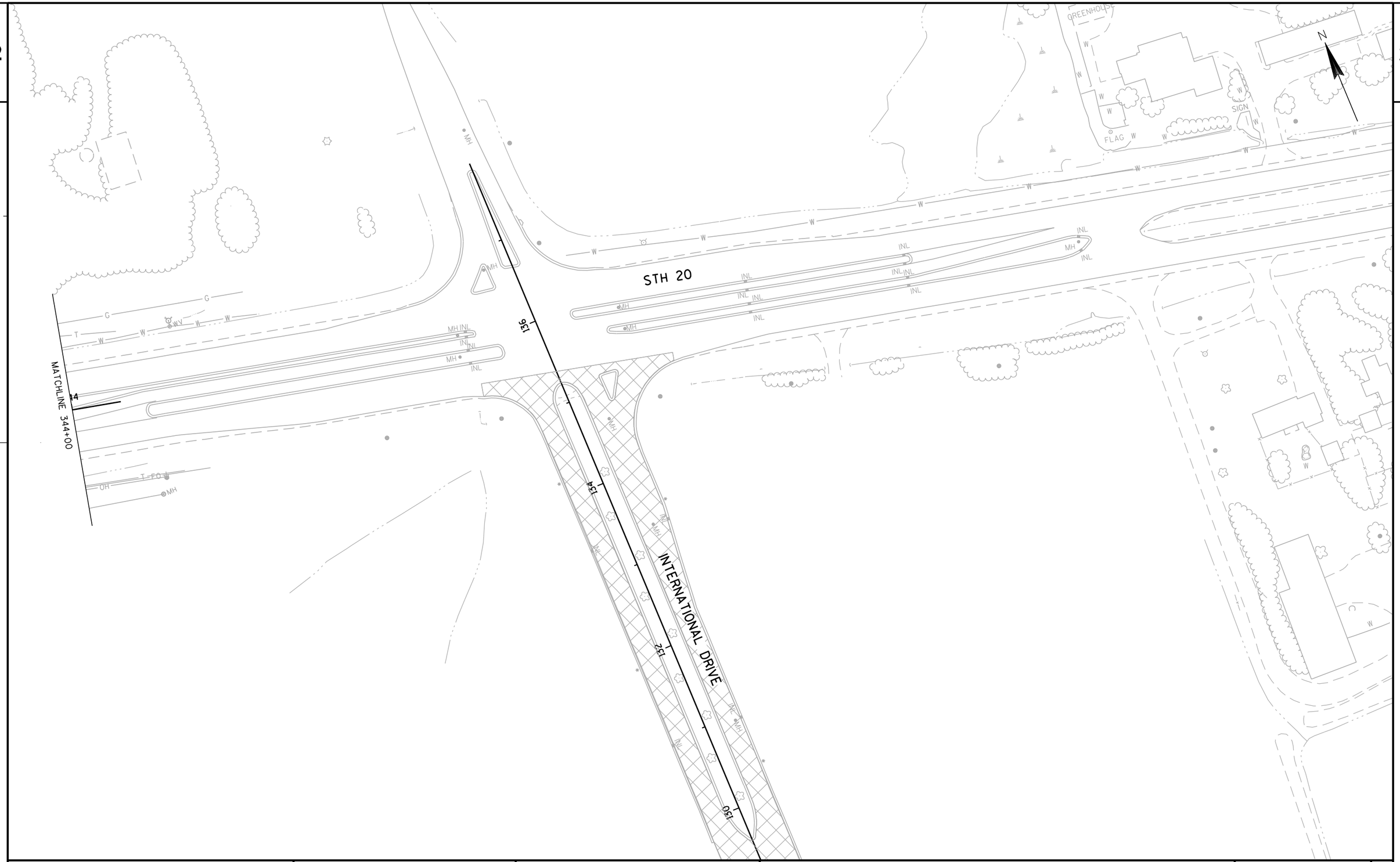
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021105_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021105_rm PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_75	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_76	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021107_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021107_rm PLOT SCALE : 100:1

2

MATCHLINE 2861+00

REMOVING SMALL PIPE CULVERTS

REMOVING SMALL PIPE CULVERTS

REMOVING SMALL PIPE CULVERTS

2860

2858

2856

2854

2852

WEST FRONTAGE ROAD

MATCHLINE 859SW+00

REMOVING SURFACE DRAINS

859SW

858SW

857SW

856SW

855SW

854SW

853SW

852SW

851SW

850SW

849SW

RAMP SW

IH 94 SB

IH 94 NB

RAMP SE

MATCHLINE 857SE+00

REMOVING SURFACE DRAINS

857SE

856SE

855SE

854SE

853SE

852SE

851SE

850SE

849SE

856

854

852

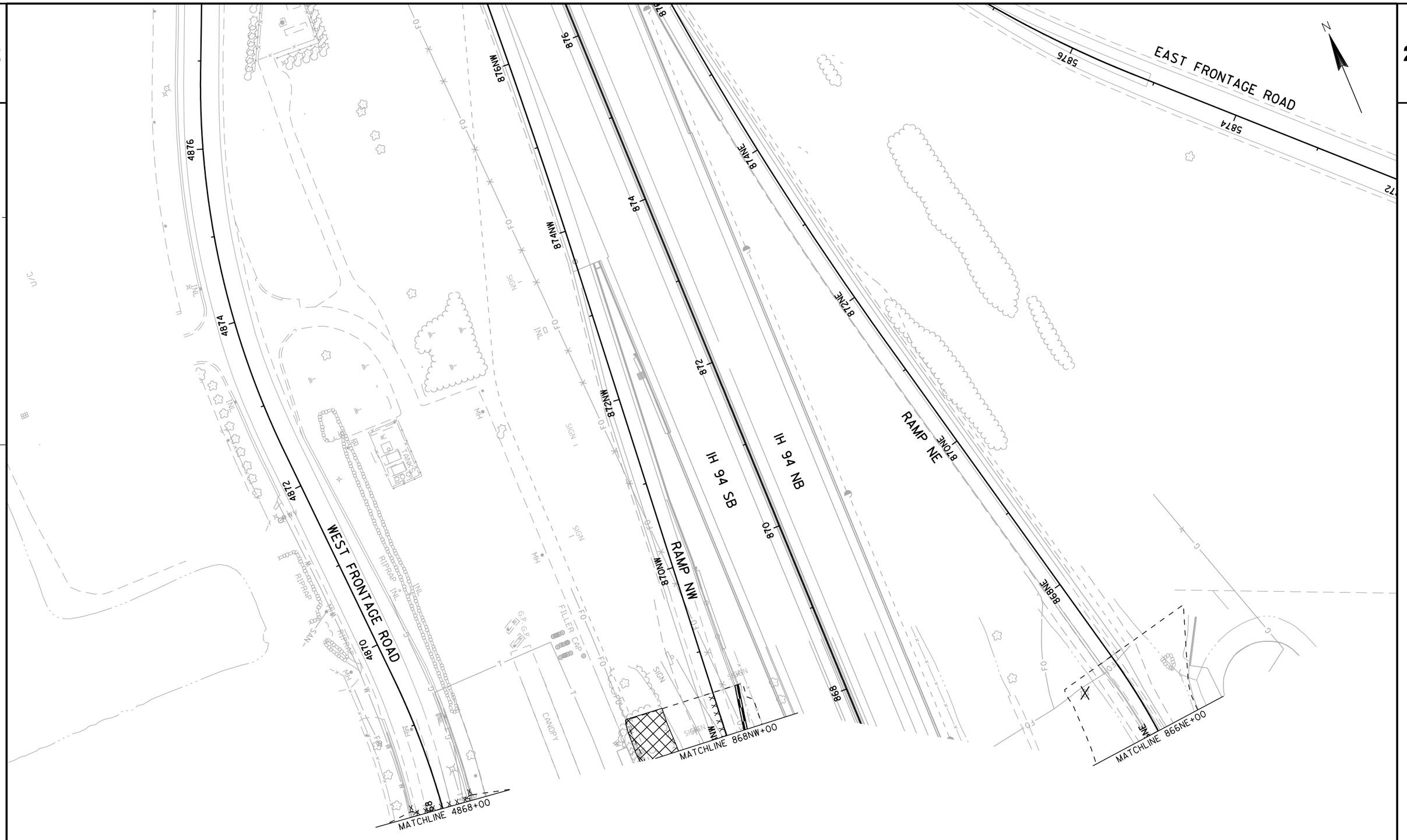
850

N

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_77	E

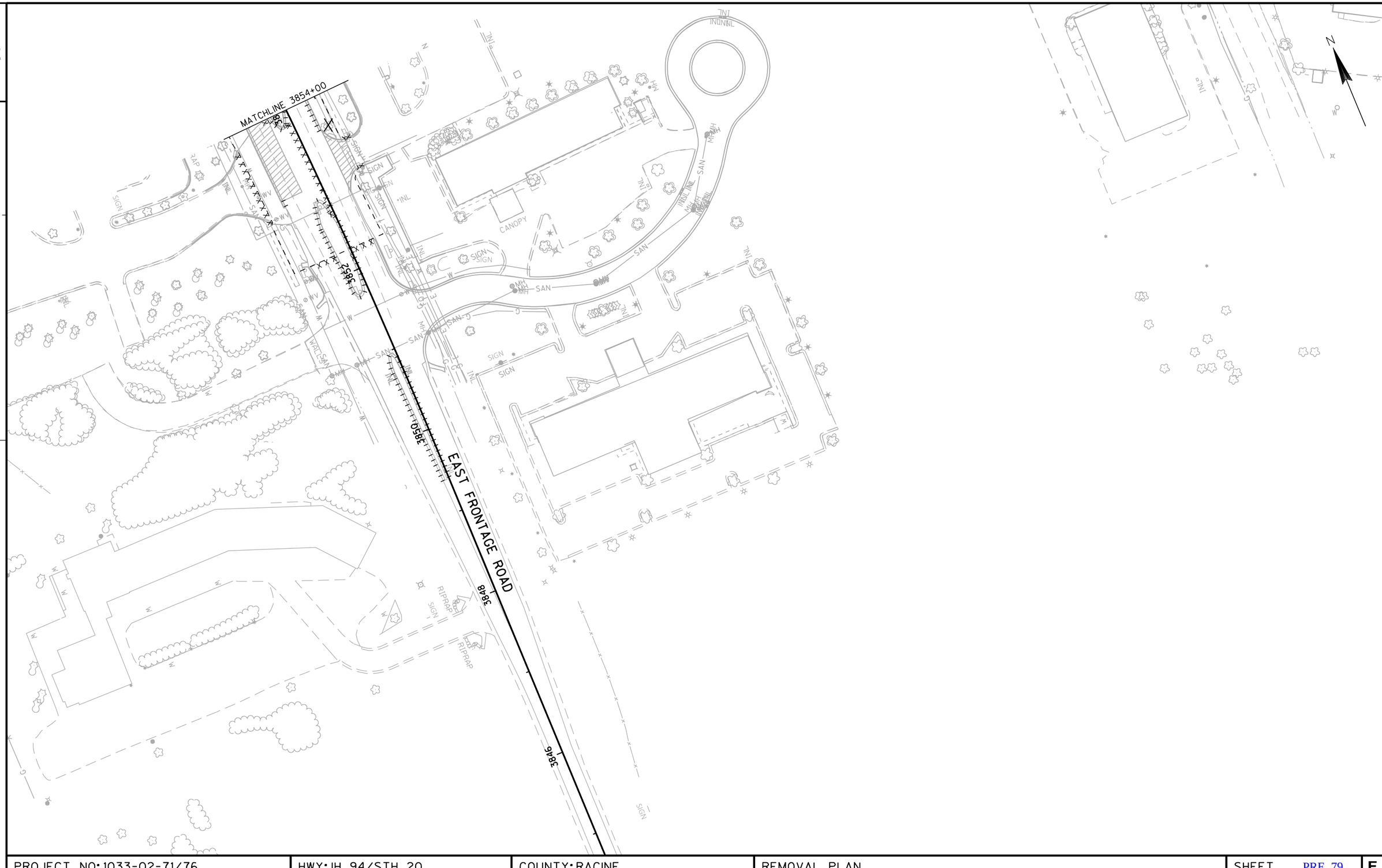
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021108_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021108_rm PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_78	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021109_rm.dgn PLOT DATE : 18-AUG-2019 21:24 PLOT BY : MSCD1S PLOT NAME : 021109_rm PLOT SCALE : 100:1



2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_79	E

2

N

5870

5868

5866

5864

EAST FRONTAGE ROAD

KILBOURN DRIVE

MH

MH

SIGN

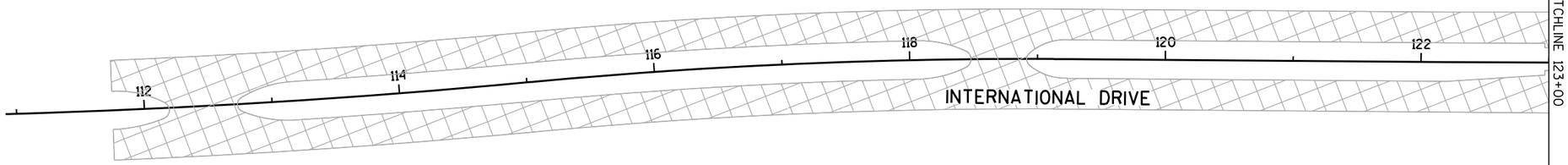
MATCHLINE 5863+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_80	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021111_rm.dgn PLOT DATE : 18-AUG-2019 21:25 PLOT BY : MSCD1S PLOT NAME : 021111_rm PLOT SCALE : 100:1

2

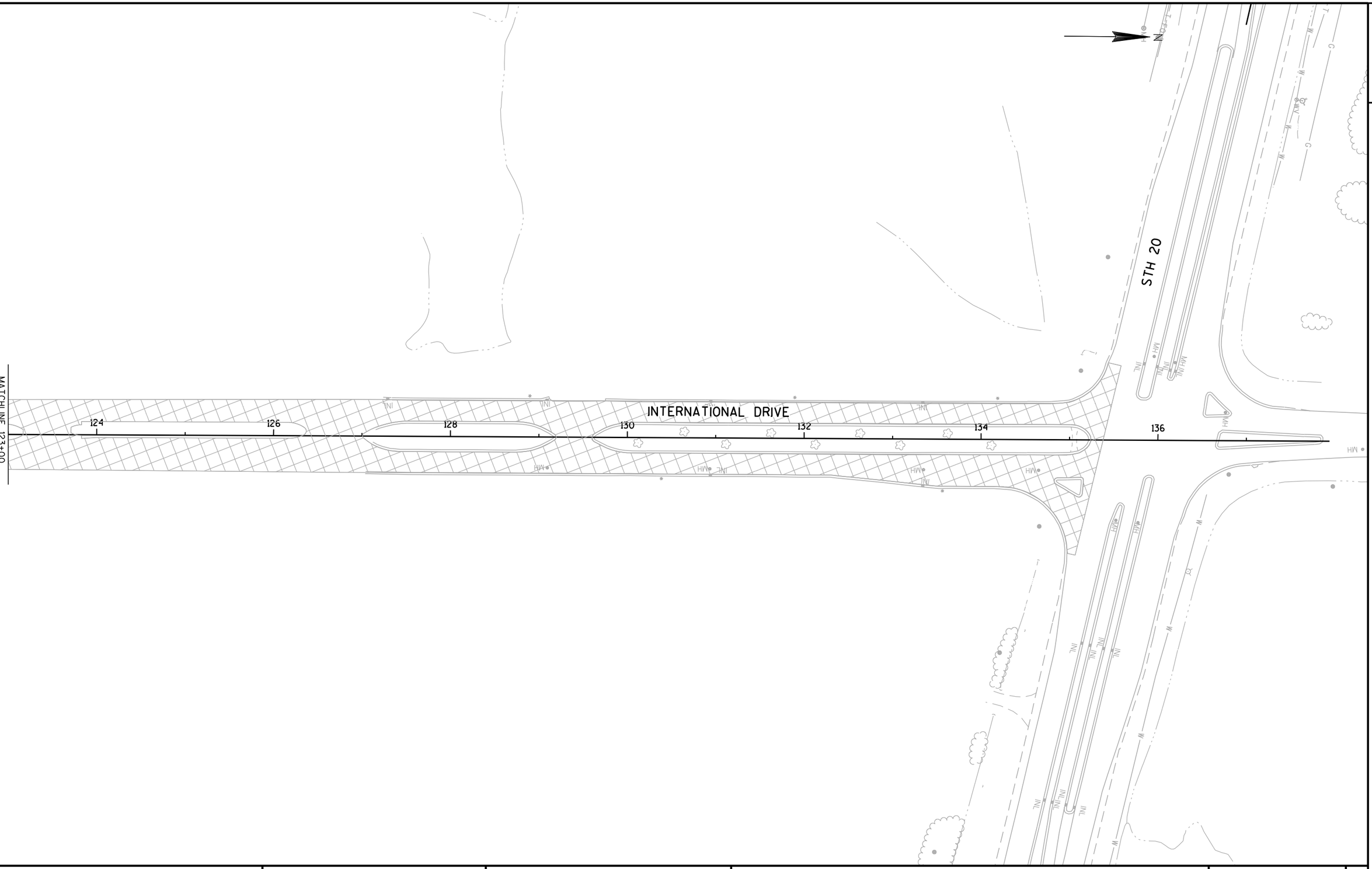
N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_81	E

2

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	REMOVAL PLAN	SHEET PRE_82	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021113_rm.dgn PLOT DATE : 18-AUG-2019 21:25 PLOT BY : MSCD1S PLOT NAME : 021113_rm PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

LEGEND

- CP11 CONCRETE PAVEMENT 9 1/2-INCH, DOWELED AND TINED
- CP15 CONCRETE PAVEMENT 10 1/2-INCH, DOWELED AND TINED
- CP17 CONCRETE PAVEMENT 11 1/2-INCH, DOWELED AND TINED

- A HMA PAVEMENT, 4 MT 58-28 S, 2-INCH OVER HMA PAVEMENT, 3 MT 58-28 S, 5 1/2-INCH
- B HMA PAVEMENT, 4 MT 58-28 H, 2-INCH

- AG01 BASE AGGREGATE DENSE 3/4-INCH

- PV03 CONCRETE SURFACE DRAINS
- PV10 ASPHALTIC SURFACE, 3-INCH

- CG03 CURB RAMP TYPE 2
- CG07 CURB RAMP TYPE 5
- CG08 CURB RAMP TYPE 6
- CG19 CONCRETE CURB AND GUTTER 18-INCH TYPE D
- CG21 CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG24 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CG26 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
- CG27 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D REVERSE SLOPE
- CG30 CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE A
- CG33 CONCRETE CURB AND GUTTER 4-INCH SLOPED 60-INCH TYPE A
- CG50 CONCRETE CURB AND GUTTER 18-INCH TYPE A
- CG57 CONCRETE CURB AND GUTTER 6-INCH SLOPED 24-INCH TYPE A

- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM02 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CM03 CONCRETE CORRUGATED MEDIAN
- CM04 MAINTENANCE OPENING
- CM07 CONCRETE SIDEWALK 5-INCH

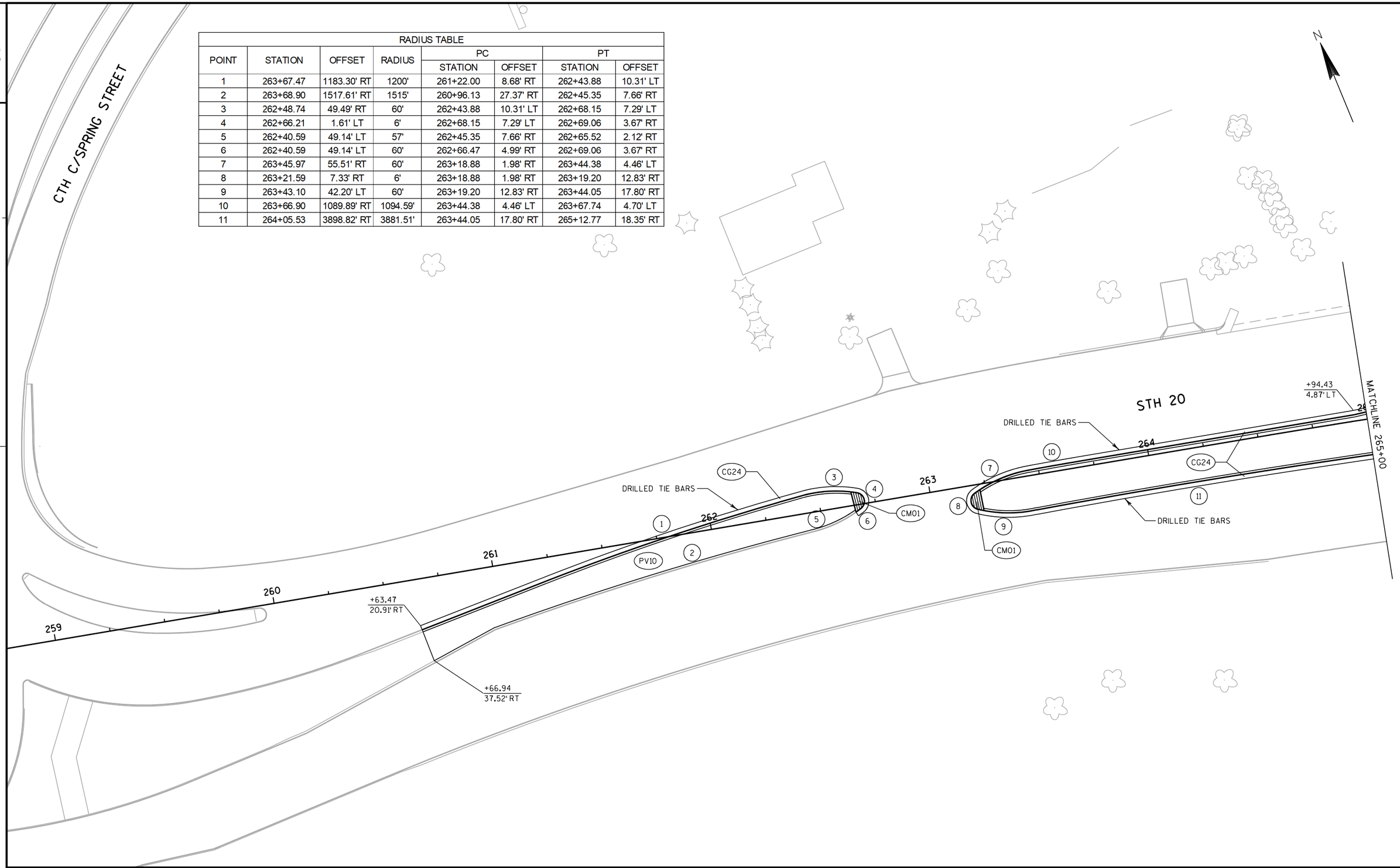
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 CONCRETE DRIVEWAY 9-INCH
- DR04 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- DR06 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 5-INCH

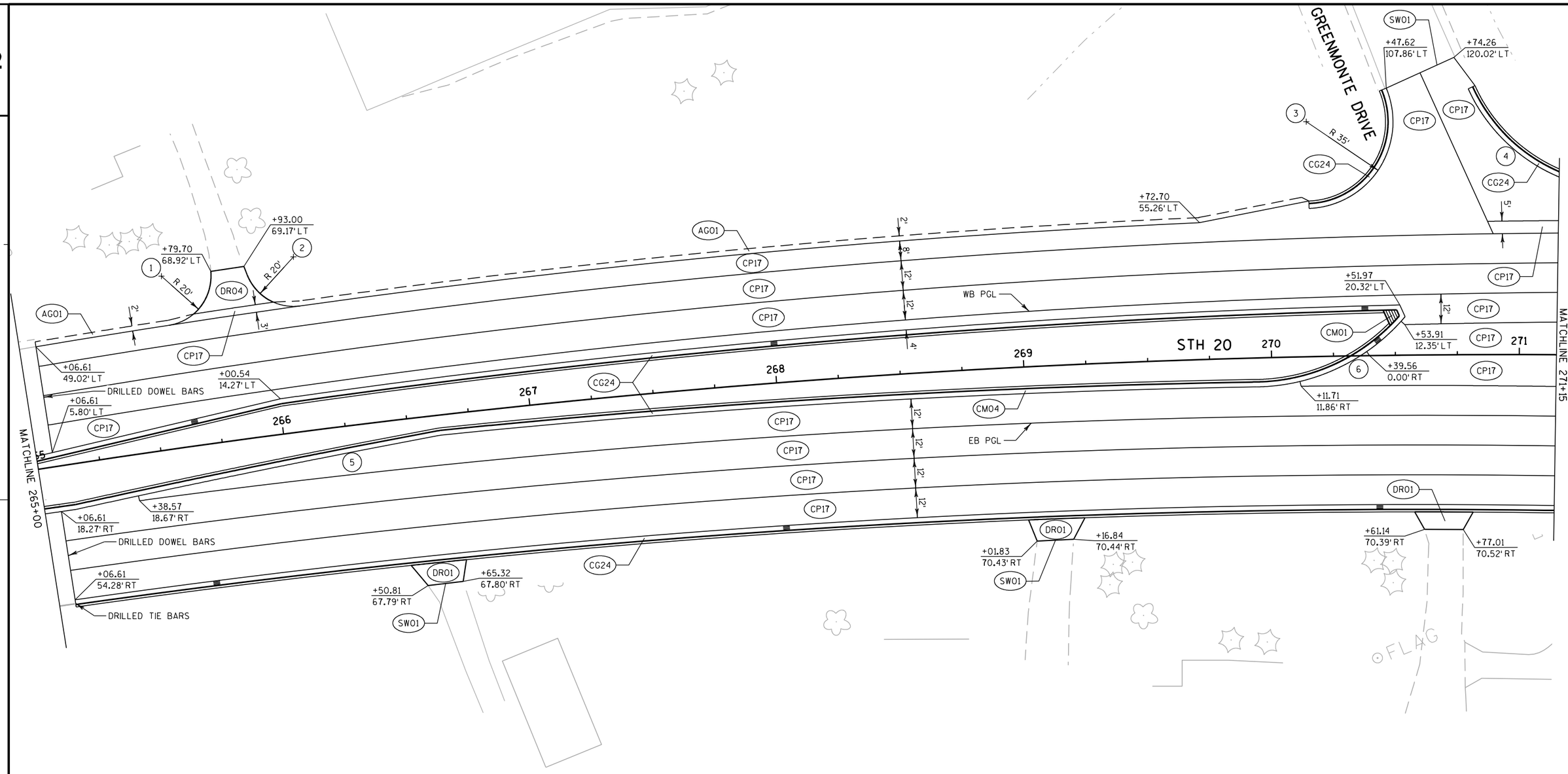
- CB02 CONCRETE BARRIER TYPE S42

- BG10 GUARD RAIL MOW STRIP ASPHALT
- BG15 MGS GUARDRAIL 3
- BG17 MGS GUARDRAIL TERMINAL EAT
- BG18 MGS GUARDRAIL TERMINAL TYPE 2
- BG22 CRASH CUSHION PERMANENT LOW MAINTENANCE TL2

- SW01 SAWING ASPHALT
- SW02 SAWING CONCRETE

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	263+67.47	1183.30' RT	1200'	261+22.00	8.68' RT	262+43.88	10.31' LT
2	263+68.90	1517.61' RT	1515'	260+96.13	27.37' RT	262+45.35	7.66' RT
3	262+48.74	49.49' RT	60'	262+43.88	10.31' LT	262+68.15	7.29' LT
4	262+66.21	1.61' LT	6'	262+68.15	7.29' LT	262+69.06	3.67' RT
5	262+40.59	49.14' LT	57'	262+45.35	7.66' RT	262+65.52	2.12' RT
6	262+40.59	49.14' LT	60'	262+66.47	4.99' RT	262+69.06	3.67' RT
7	263+45.97	55.51' RT	60'	263+18.88	1.98' RT	263+44.38	4.46' LT
8	263+21.59	7.33' RT	6'	263+18.88	1.98' RT	263+19.20	12.83' RT
9	263+43.10	42.20' LT	60'	263+19.20	12.83' RT	263+44.05	17.80' RT
10	263+66.90	1089.89' RT	1094.59'	263+44.38	4.46' LT	263+67.74	4.70' LT
11	264+05.53	3898.82' RT	3881.51'	263+44.05	17.80' RT	265+12.77	18.35' RT

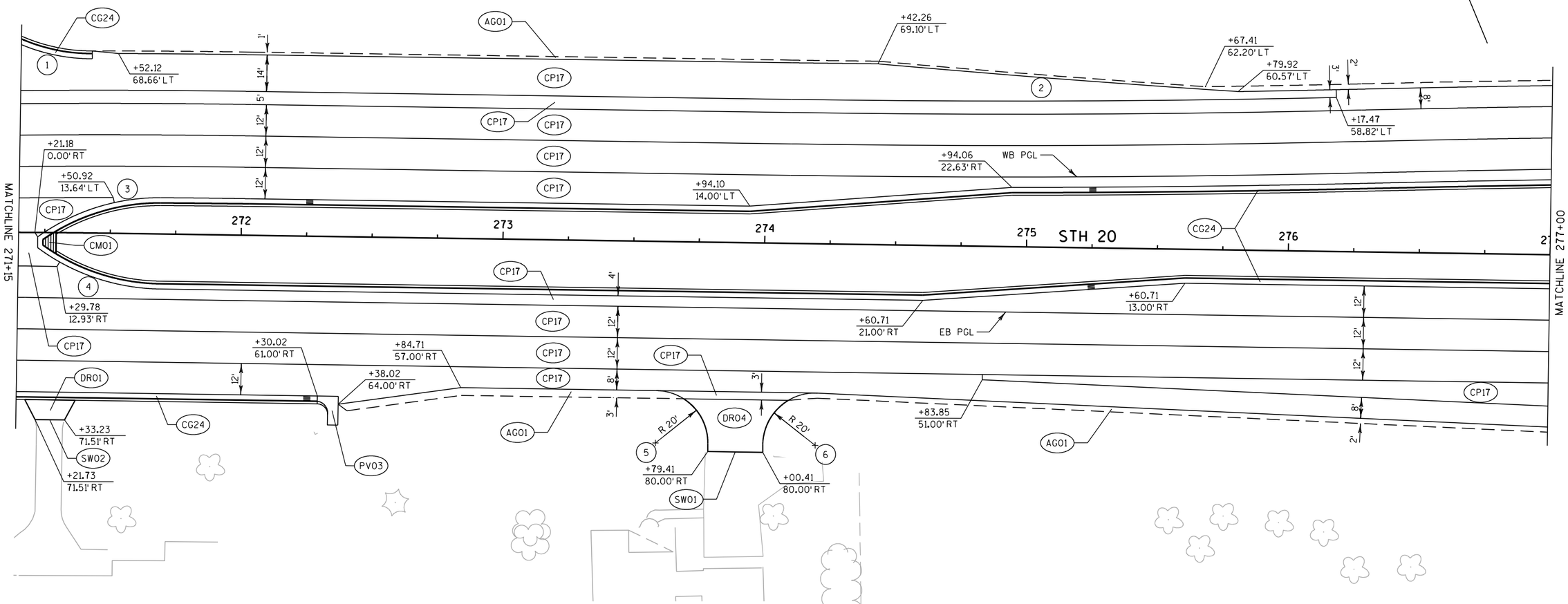




RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	265+60.07	69.73' LT	20'	265+60.33	49.73' LT	265+79.70	68.92' LT
2	266+12.93	70.44' LT	20'	265+93.87	65.60' LT	266+13.19	50.44' LT
3	270+15.97	94.85' LT	35'	270+16.42	59.85' LT	270+47.62	107.86' LT
4	271+41.44	136.53' LT	70'	270+79.79	107.32' LT	271+42.33	66.53' LT
5	275+55.36	4450.49' RT	4500'	265+12.77	18.35' RT	266+62.99	8.15' RT
6	269+94.61	68.31' LT	80'	269+93.84	11.68' RT	270+54.09	15.55' LT

NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

2



NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

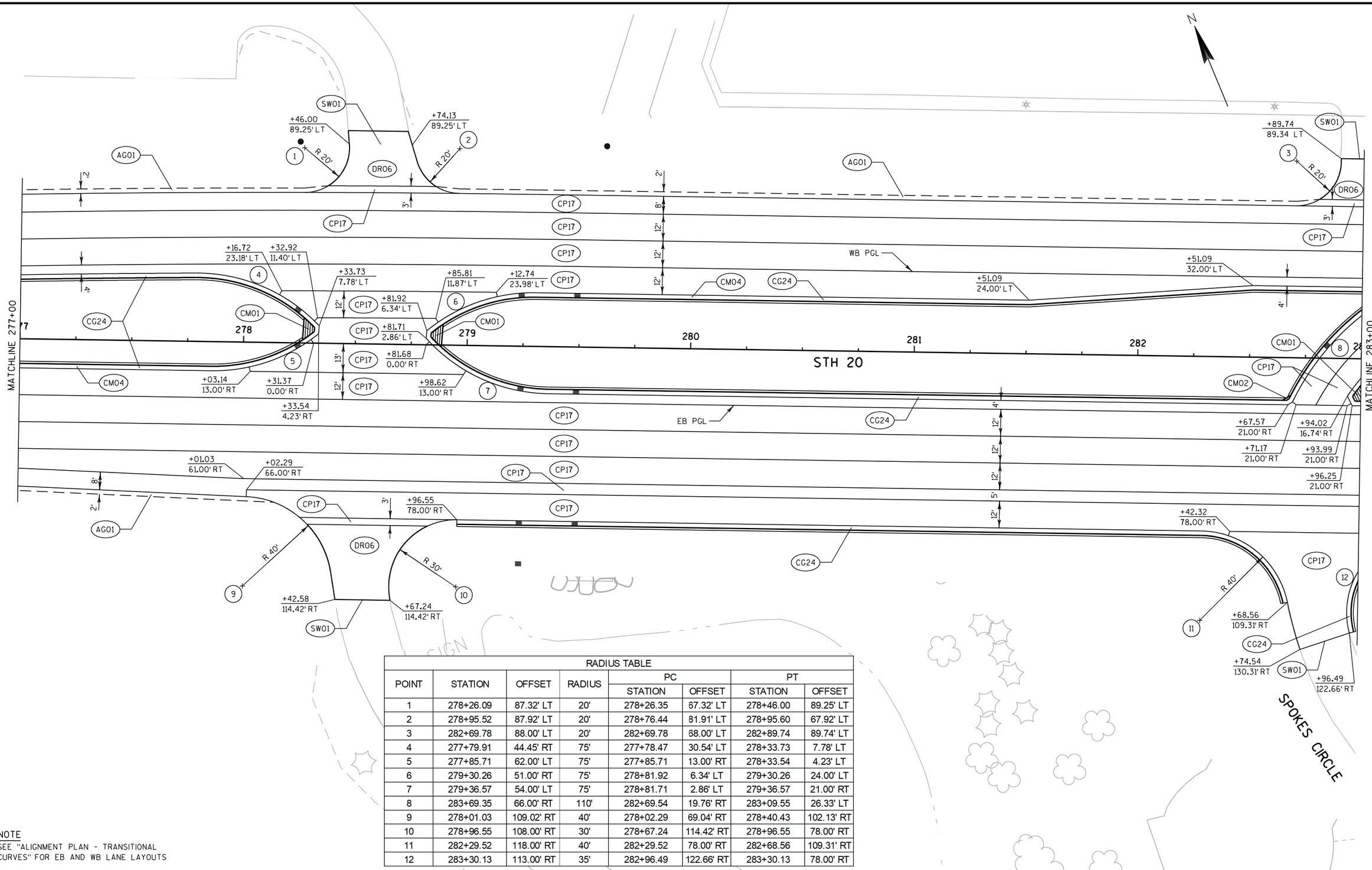
RADIUS TABLE

POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	271+41.44	136.53' LT	70'	270+79.79	107.32' LT	271+42.33	66.53' LT
2	278+63.57	5753.50' LT	5700'	274+42.26	69.10' LT	275+79.92	60.57' LT
3	271+69.81	66.15' RT	80'	271+22.30	1.66' RT	271+69.10	13.85' LT
4	271+69.10	59.00' LT	80'	271+22.29	5.79' RT	271+69.10	21.00' RT
5	273+59.41	77.00' RT	20'	273+59.41	57.00' RT	273+79.41	77.00' RT
6	274+20.41	77.01' RT	20'	274+00.41	77.01' RT	274+21.04	57.02' RT

GOLF COURSE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_86	E

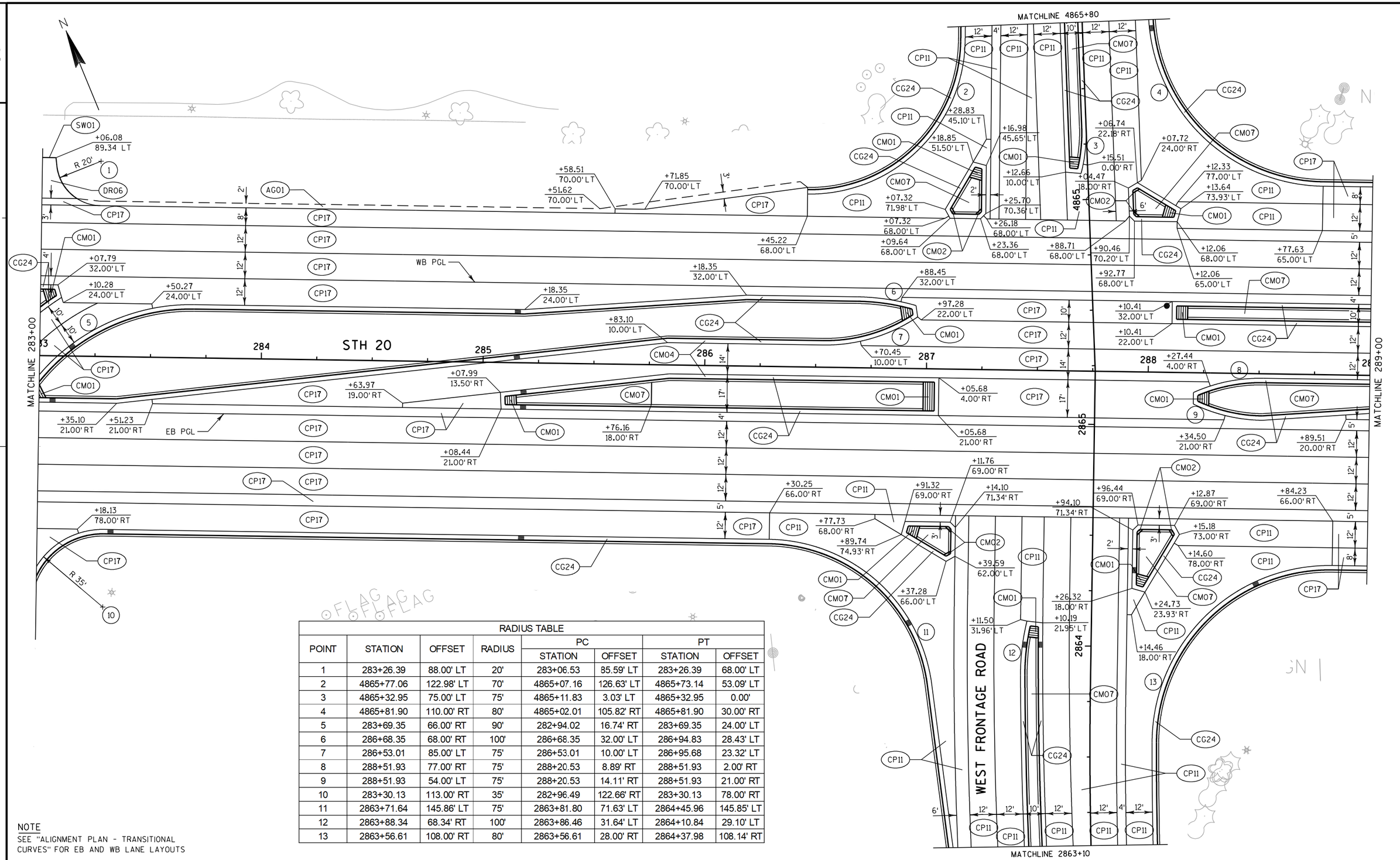
2



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	278+26.09	87.32' LT	20'	278+26.35	67.32' LT	278+46.00	89.25' LT
2	278+95.52	87.92' LT	20'	278+76.44	81.91' LT	278+95.60	67.92' LT
3	282+69.78	88.00' LT	20'	282+69.78	68.00' LT	282+89.74	89.74' LT
4	277+79.91	44.45' RT	75'	277+78.47	30.54' LT	278+33.73	7.78' LT
5	277+85.71	62.00' LT	75'	277+85.71	13.00' RT	278+33.54	4.23' LT
6	279+30.26	51.00' RT	75'	278+81.92	6.34' LT	279+30.26	24.00' LT
7	279+36.57	54.00' LT	75'	278+81.71	2.86' LT	279+36.57	21.00' RT
8	283+69.35	66.00' RT	110'	282+69.54	19.76' RT	283+09.55	26.33' LT
9	278+01.03	109.02' RT	40'	278+02.29	69.04' RT	278+40.43	102.13' RT
10	278+96.55	108.00' RT	30'	278+67.24	114.42' RT	278+96.55	78.00' RT
11	282+29.52	118.00' RT	40'	282+29.52	78.00' RT	282+68.56	109.31' RT
12	283+30.13	113.00' RT	35'	282+96.49	122.66' RT	283+30.13	78.00' RT

NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_87	E



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	283+26.39	88.00' LT	20'	283+06.53	85.59' LT	283+26.39	68.00' LT
2	4865+77.06	122.98' LT	70'	4865+07.16	126.63' LT	4865+73.14	53.09' LT
3	4865+32.95	75.00' LT	75'	4865+11.83	3.03' LT	4865+32.95	0.00'
4	4865+81.90	110.00' RT	80'	4865+02.01	105.82' RT	4865+81.90	30.00' RT
5	283+69.35	66.00' RT	90'	282+94.02	16.74' RT	283+69.35	24.00' LT
6	286+68.35	68.00' RT	100'	286+68.35	32.00' LT	286+94.83	28.43' LT
7	286+53.01	85.00' LT	75'	286+53.01	10.00' LT	286+95.68	23.32' LT
8	288+51.93	77.00' RT	75'	288+20.53	8.89' RT	288+51.93	2.00' RT
9	288+51.93	54.00' LT	75'	288+20.53	14.11' RT	288+51.93	21.00' RT
10	283+30.13	113.00' RT	35'	282+96.49	122.66' RT	283+30.13	78.00' RT
11	2863+71.64	145.86' LT	75'	2863+81.80	71.63' LT	2864+45.96	145.85' LT
12	2863+88.34	68.34' RT	100'	2863+86.46	31.64' LT	2864+10.84	29.10' LT
13	2863+56.61	108.00' RT	80'	2863+56.61	28.00' RT	2864+37.98	108.14' RT

NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_88	E

2

N

MATCHLINE 865NW+00

CB02 NW+00.00

CG24

5' 12' 6'

CP15 CP15 CP15 CP15 CP15 CP15 CG24

RAMP NW

12' 12'

IH 94 SB

IH 94 NB

864

S-51-229

SIGN

CG24

CP17 CP15

+66.05
77.00' LT

8' 12'

CP17 CP17 CP17 CP17

CM07 CM01

+22.45
32.00' LT

+22.45
22.00' LT

CG24

CP17 CP17 CP17 CP17 CP17 CP17

12' 12'

+86.45
30.00' LT

+23.95
2.00' RT

MATCHLINE 289+00

289 290 291 STH 20 292 293 294

S-51-228

+86.04
7.26' RT

+14.43
8.00' RT

CM04 CP17

EB PGL

CP17 CP17 CP17

5' 12' 8'

CP17 CP17 CP17 CP17 CP15 CP15

S-51-227

CG24

1

+49.71
82.20' LT

+52.03
80.00' LT

CM07 3'

CM02

MN98

+78.71
83.33' LT

+76.31
80.00' LT

+25.85
77.00' LT

R 20'

2

WB PGL

+79.82
32.00' LT

+83.20
30.00' LT

+94.12
31.77' LT

+97.51
32.00' LT

+96.53
30.25' LT

CM01

+05.87
8.00' RT

+08.26
4.67' RT

863SW

CP17 CP17 CP17 CP17 CP17

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	862NE+10.81	38.00' LT	20'	861NE+90.81	37.91' LT	862NE+10.81	18.00' LT
2	862NE+96.19	118.49' RT	111'	861NE+95.50	115.76' RT	862NE+70.71	11.00' RT
3	863NE+06.38	141.00' RT	120'	862NE+00.59	137.07' RT	863NE+06.25	21.00' RT
4	295+40.29	67.00' LT	75'	295+40.29	8.00' RT	295+77.64	1.97' LT
5	860SE+78.41	34.00' LT	10'	860SE+78.41	24.00' LT	860SE+88.40	33.58' LT
6	859SE+30.75	131.36' RT	100'	859SE+46.56	32.23' RT	860SE+62.40	136.53' RT

MATCHLINE 863NE+00

RAMP NE

862NE

RAMP SE

861SE

860SE

STH 20

MATCHLINE 295+00

MATCHLINE 301+00

MATCHLINE 859SE+75

SEE "BIKE REFUGE DETAIL" CONSTRUCTION DETAIL

S-51-230

WB PGL

EB PGL

SIGN

SIGN

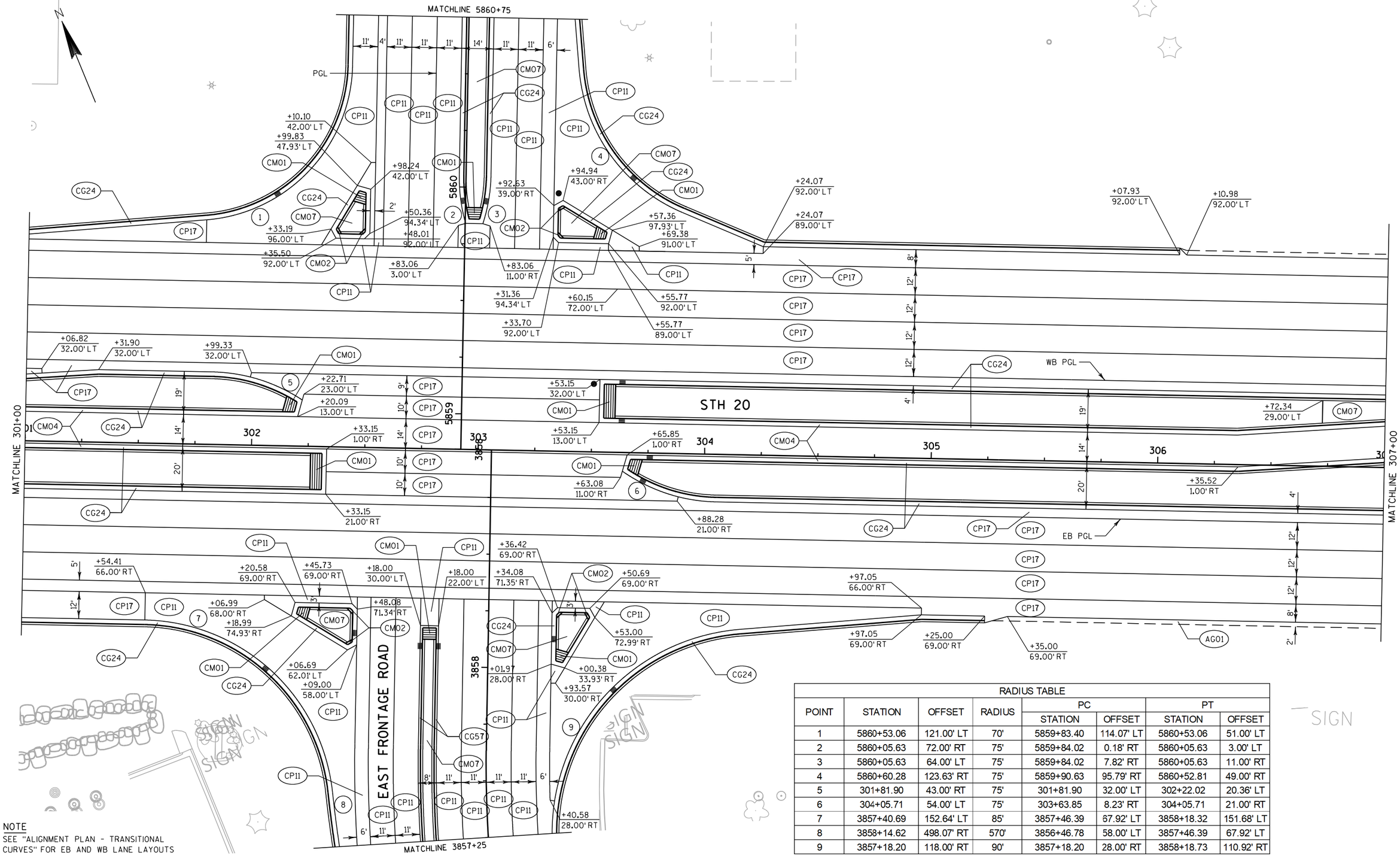
NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_90	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021207_pd.dgn PLOT DATE : 18-AUG-2019 21:25 PLOT BY : MSCD1S PLOT NAME : 021207_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2



NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

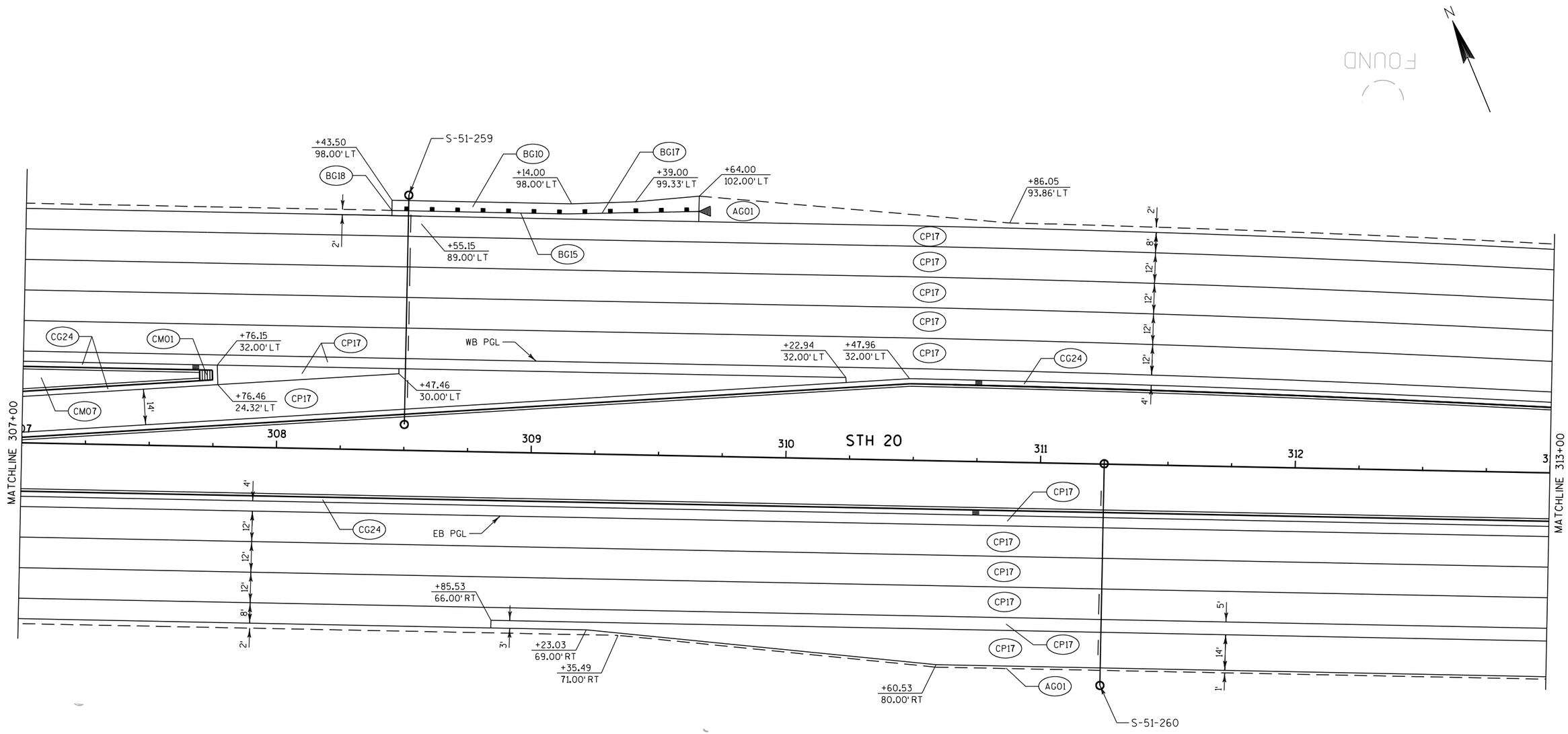
RADIUS TABLE

POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	5860+53.06	121.00' LT	70'	5859+83.40	114.07' LT	5860+53.06	51.00' LT
2	5860+05.63	72.00' RT	75'	5859+84.02	0.18' RT	5860+05.63	3.00' LT
3	5860+05.63	64.00' LT	75'	5859+84.02	7.82' RT	5860+05.63	11.00' RT
4	5860+60.28	123.63' RT	75'	5859+90.63	95.79' RT	5860+52.81	49.00' RT
5	301+81.90	43.00' RT	75'	301+81.90	32.00' LT	302+22.02	20.36' LT
6	304+05.71	54.00' LT	75'	303+63.85	8.23' RT	304+05.71	21.00' RT
7	3857+40.69	152.64' LT	85'	3857+46.39	67.92' LT	3858+18.32	151.68' LT
8	3858+14.62	498.07' RT	570'	3856+46.78	58.00' LT	3857+46.39	67.92' LT
9	3857+18.20	118.00' RT	90'	3857+18.20	28.00' RT	3858+18.73	110.92' RT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_91	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021208_pd.dgn PLOT DATE : 18-AUG-2019 21:25 PLOT BY : MSCD1S PLOT NAME : 021208_pd PLOT SCALE : 40:1

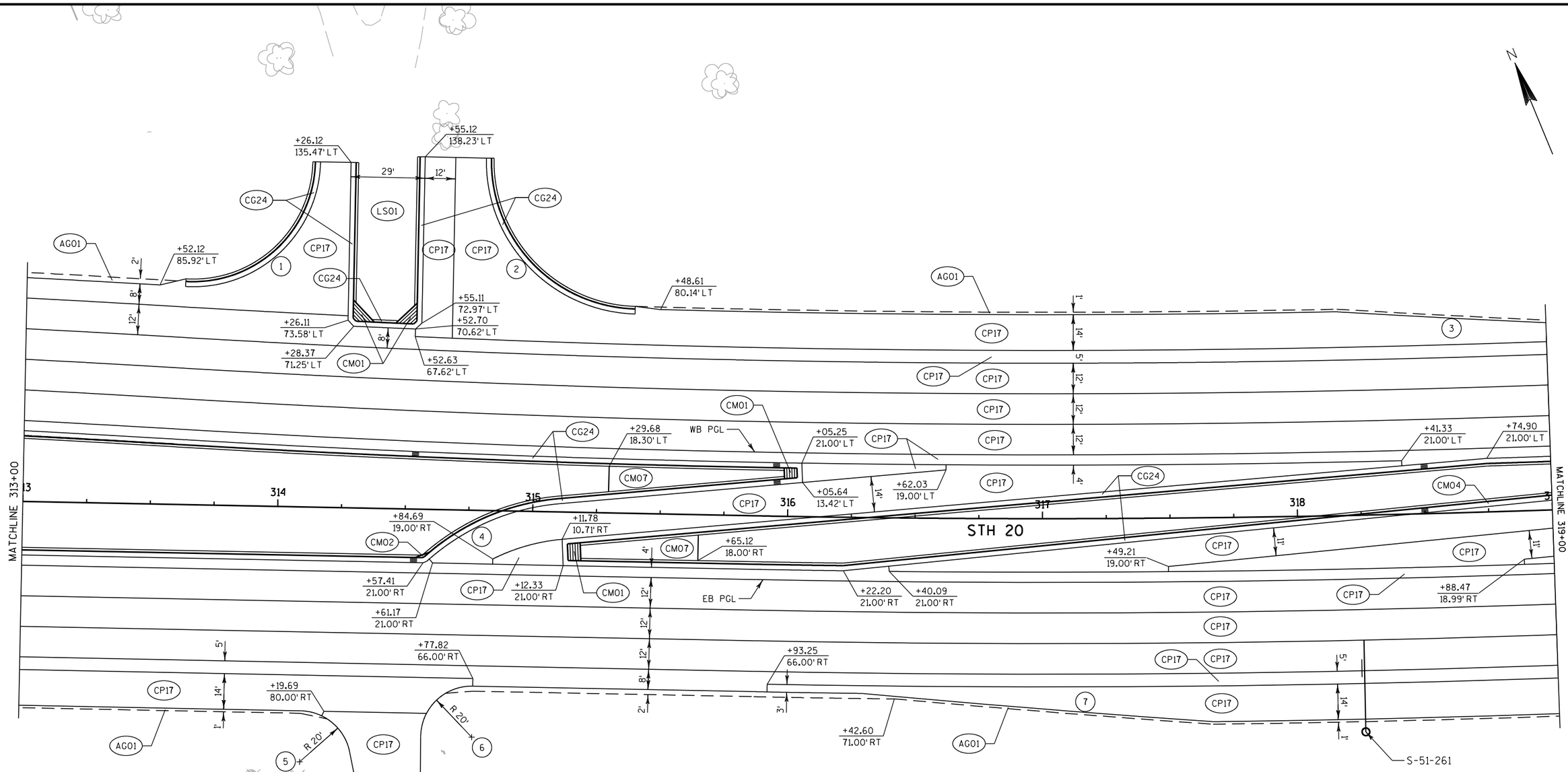
2



NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_92	E

2

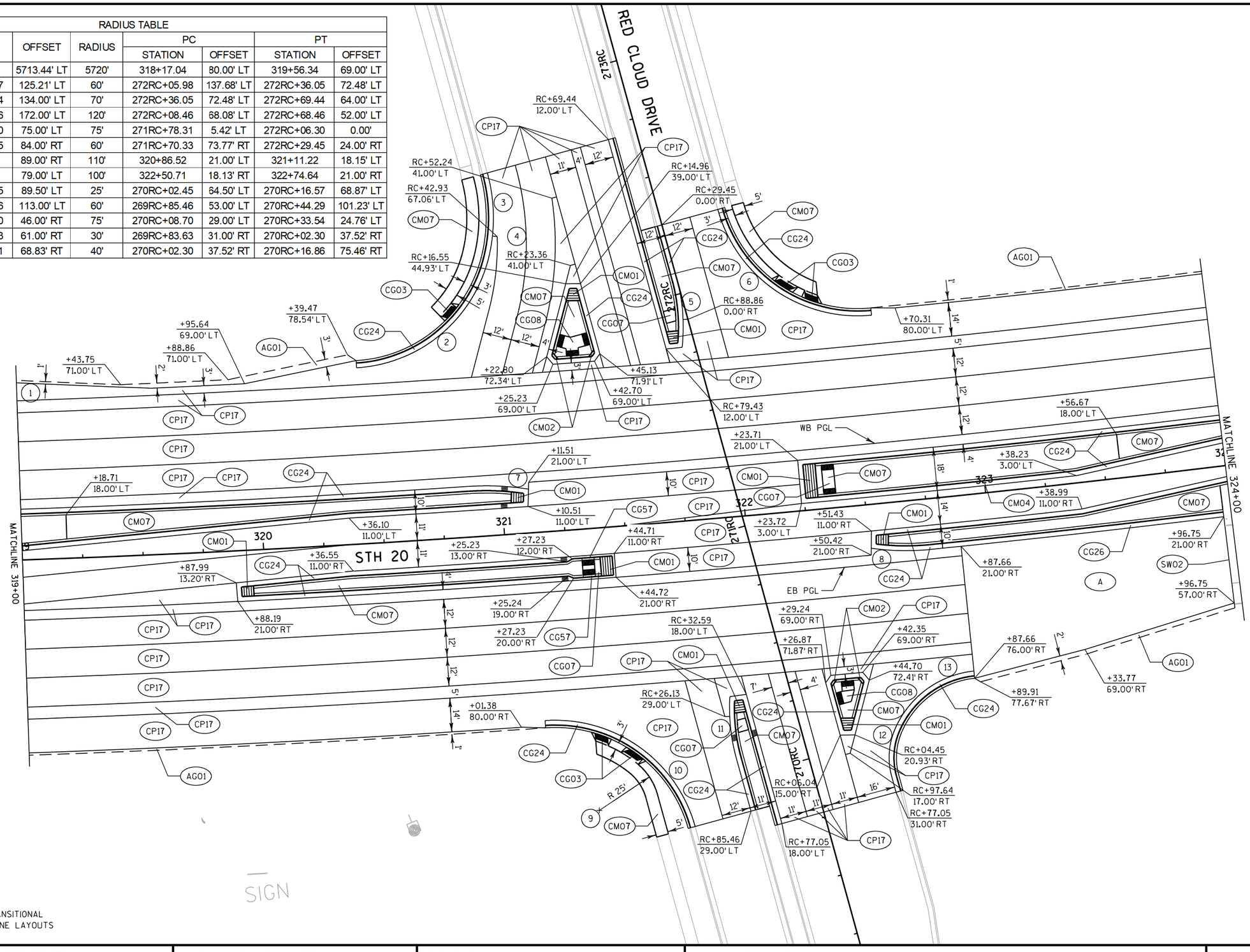


RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	313+64.12	135.48' LT	50'	313+62.12	85.52' LT	314+14.12	135.47' LT
2	315+39.12	138.21' LT	60'	314+79.12	138.23' LT	315+38.60	78.22' LT
3	331+31.31	5713.44' LT	5720'	318+17.04	80.00' LT	319+56.34	69.00' LT
4	315+19.79	85.28' RT	89'	314+58.82	20.45' RT	315+10.29	3.21' LT
5	314+10.53	100.00' RT	20'	314+10.53	80.00' RT	314+30.06	95.71' RT
6	314+77.82	89.00' RT	20'	314+57.82	89.17' RT	314+77.82	69.00' RT
7	331+24.95	5629.06' LT	5800'	316+30.29	69.00' RT	317+66.06	80.00' RT

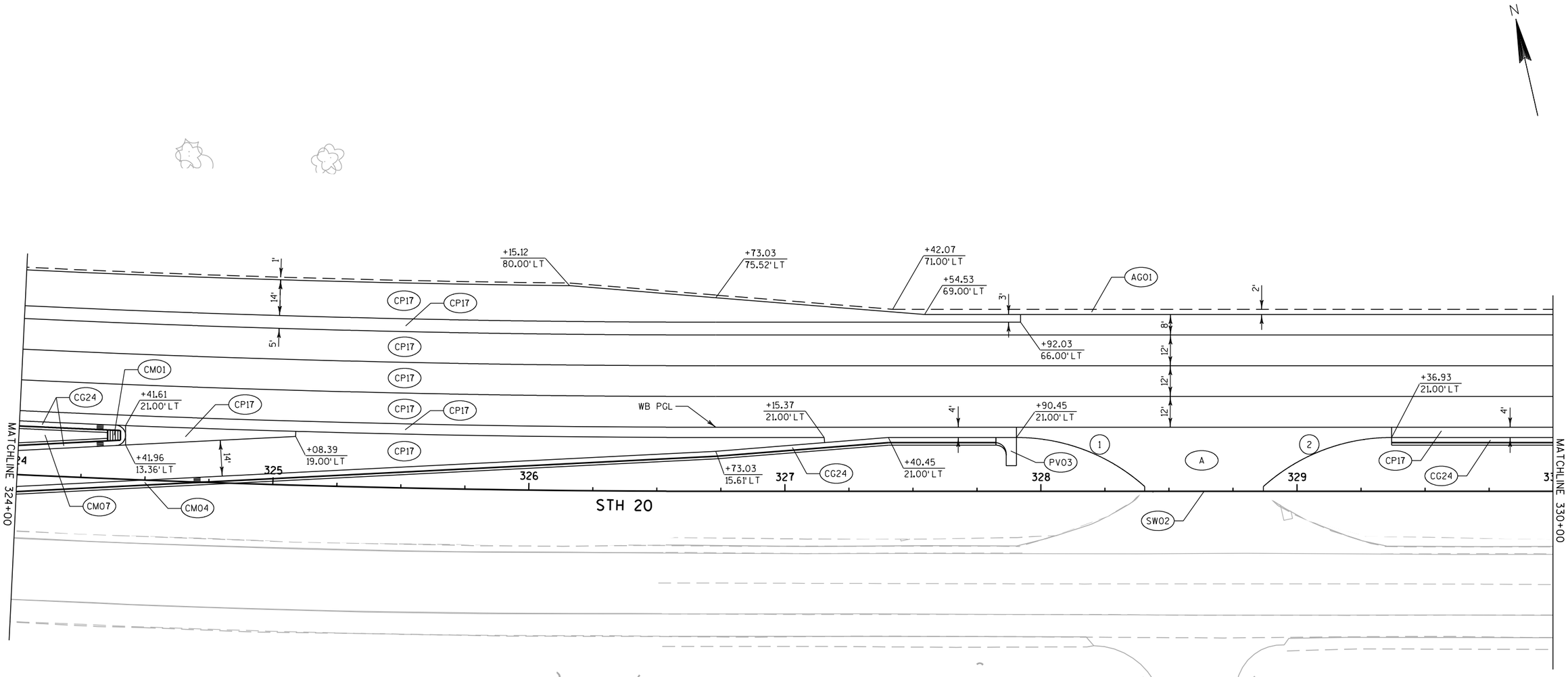
NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_93	E

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	331+31.31	5713.44' LT	5720'	318+17.04	80.00' LT	319+56.34	69.00' LT
2	272RC+64.67	125.21' LT	60'	272RC+05.98	137.68' LT	272RC+36.05	72.48' LT
3	272RC+69.44	134.00' LT	70'	272RC+36.05	72.48' LT	272RC+69.44	64.00' LT
4	272RC+68.46	172.00' LT	120'	272RC+08.46	68.08' LT	272RC+68.46	52.00' LT
5	272RC+06.30	75.00' LT	75'	271RC+78.31	5.42' LT	272RC+06.30	0.00'
6	272RC+29.45	84.00' RT	60'	271RC+70.33	73.77' RT	272RC+29.45	24.00' RT
7	320+86.52	89.00' RT	110'	320+86.52	21.00' LT	321+11.22	18.15' LT
8	322+74.64	79.00' LT	100'	322+50.71	18.13' RT	322+74.64	21.00' RT
9	270RC+02.45	89.50' LT	25'	270RC+02.45	64.50' LT	270RC+16.57	68.87' LT
10	269RC+85.46	113.00' LT	60'	269RC+85.46	53.00' LT	270RC+44.29	101.23' LT
11	270RC+08.70	46.00' RT	75'	270RC+08.70	29.00' LT	270RC+33.54	24.76' LT
12	269RC+83.63	61.00' RT	30'	269RC+83.63	31.00' RT	270RC+02.30	37.52' RT
13	269RC+77.41	68.83' RT	40'	270RC+02.30	37.52' RT	270RC+16.86	75.46' RT

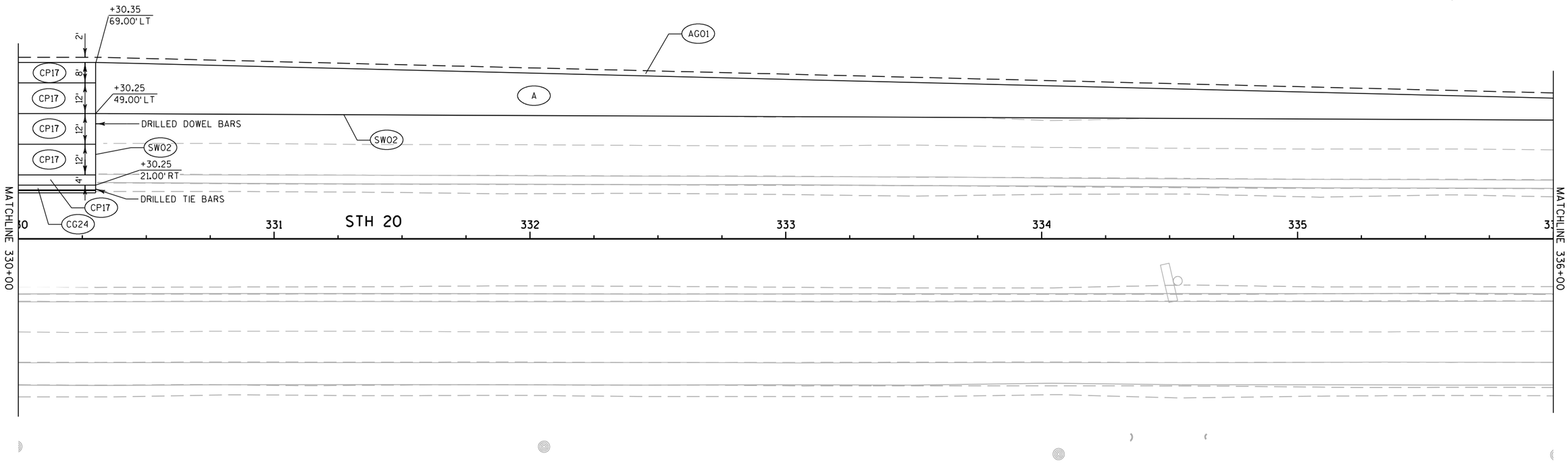

RED CLOUD DRIVE
273RC
272RC
271RC
STH 20
MATCHLINE 319+00
MATCHLINE 324+00
WB PGL
EB PGL
RC+69.44
12.00' LT
RC+52.24
41.00' LT
RC+42.93
67.06' LT
RC+16.55
44.93' LT
RC+23.36
41.00' LT
RC+14.96
39.00' LT
RC+29.45
0.00' RT
RC+88.86
0.00' RT
RC+79.43
12.00' LT
RC+32.59
18.00' LT
RC+26.13
29.00' LT
RC+06.04
15.00' RT
RC+04.45
20.93' RT
RC+97.64
17.00' RT
RC+77.05
31.00' RT
RC+85.46
29.00' LT
RC+77.05
18.00' LT
+39.47
78.54' LT
+95.64
69.00' LT
+88.86
71.00' LT
+43.75
71.00' LT
+22.80
72.34' LT
+25.23
69.00' LT
+45.13
71.91' LT
+42.70
69.00' LT
+70.31
80.00' LT
+56.67
18.00' LT
+23.71
21.00' LT
+38.23
3.00' LT
+38.99
11.00' RT
+23.72
3.00' LT
+51.43
11.00' RT
+50.42
21.00' RT
+11.51
21.00' LT
+18.71
18.00' LT
+36.10
11.00' LT
+10.51
11.00' LT
+44.71
11.00' RT
+25.23
13.00' RT
+27.23
12.00' RT
+36.55
11.00' RT
+87.99
13.20' RT
+88.19
21.00' RT
+25.24
19.00' RT
+27.23
20.00' RT
+44.72
21.00' RT
+01.38
80.00' RT
+87.66
21.00' RT
+96.75
21.00' RT
+96.75
57.00' RT
+87.66
76.00' RT
+33.77
69.00' RT
+89.91
77.67' RT
+44.70
72.41' RT
+29.24
69.00' RT
+26.87
71.87' RT
+42.35
69.00' RT
CP17
CM01
CM02
CM04
CM07
CG03
CG07
CG08
CG24
CG26
CG57
AG01
SW02
CP17
CP17
CP17

2



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	327+90.45	54.00' RT	75'	327+90.45	21.00' LT	328+40.55	1.81' LT
2	329+36.93	54.00' RT	75'	328+86.84	1.81' LT	329+36.93	21.00' LT

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_96	E

2

N

AG01

+30.25
54.32' LT

A

+30.25
46.32' LT

SW02

MATCHLINE 336+00

336 337 338 339 340 341 342

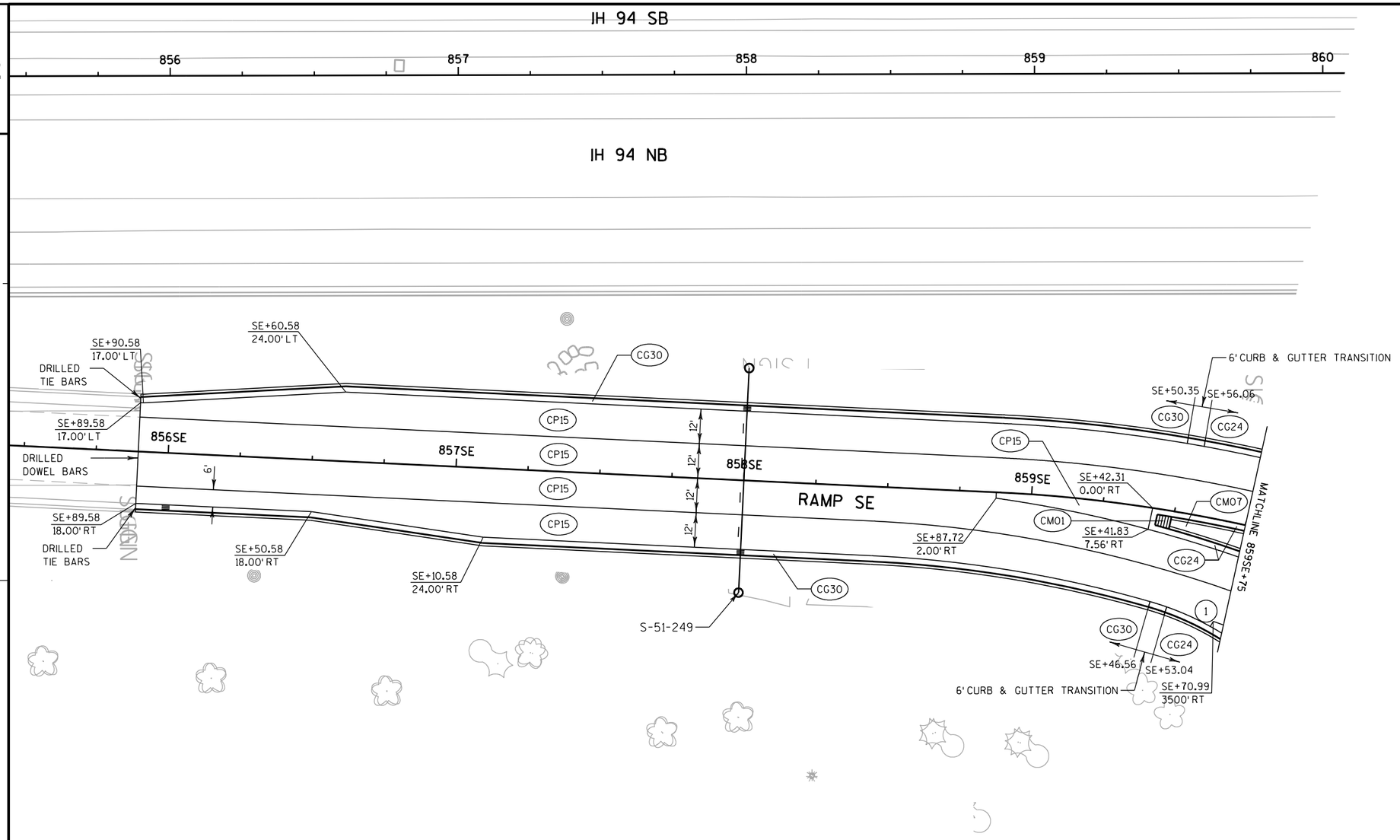
STH 20

GN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_97	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021214_pd.dgn PLOT DATE : 18-AUG-2019 21:26 PLOT BY : MSCD1S PLOT NAME : 021214_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

RADIUS TABLE

POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	859SE+30.75	131.36' RT	100'	859SE+46.56	32.23' RT	860SE+62.40	136.53' RT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_98	E

2

N

SIGN

SIGN

SIGN

AG01

SW+56.91
14.00' LT

5'

3'

SW+15.00
14.00' LT

CG30

DRILLED DOWEL BARS

856SW

857SW

858SW

859SW

SW+30.00
15.00' LT

860SW

CP15

CP15

6'

12'

861SW

SW+56.91
15.00' RT

RAMP SW

CP15

12'

3'

DRILLED TIE BARS

CG33

MATCHLINE 861SW+25

IH 94 SB

856

857

858

859

860

861

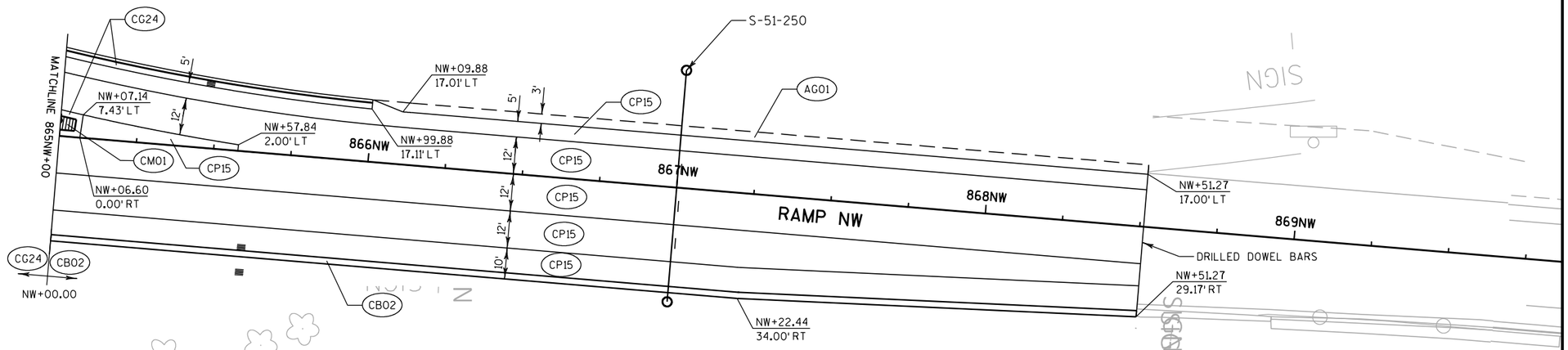
IH 94 NB

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_99	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021222_pd.dgn PLOT DATE : 18-AUG-2019 21:26 PLOT BY : MSCD1S PLOT NAME : 021222_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

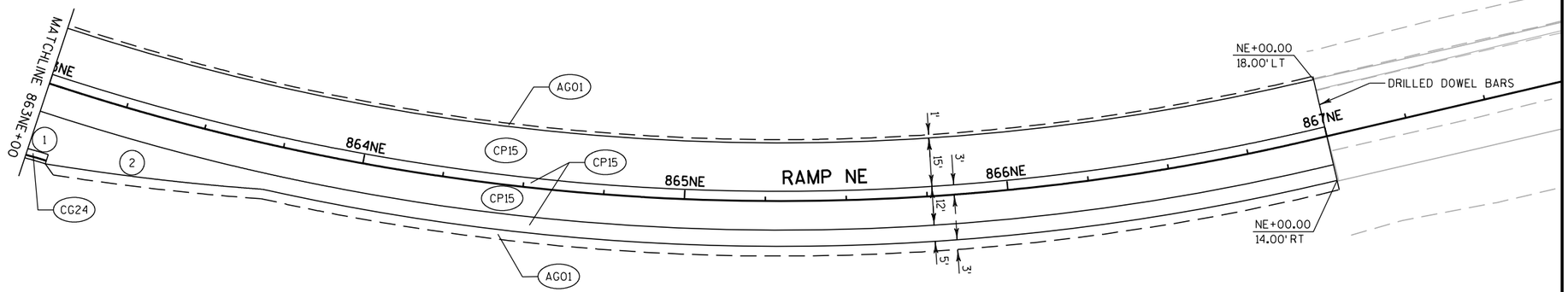
2



NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_100	E

2



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	863NE+06.38	141.00' RT	120'	862NE+00.59	137.07' RT	863NE+06.38	21.00' RT
2	861NE+22.64	706.42' LT	750'	863NE+06.38	24.00' RT	863NE+71.41	14.00' RT

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	2860+67.74	95.04' LT	40'	2860+68.72	55.05' LT	2861+05.45	89.00' LT
2	2861+54.87	77.09' LT	20'	2861+38.51	87.52' LT	2861+55.25	57.10' LT
3	307+36.93	29.12' LT	2000'	2860+13.21	1.96' LT	2862+17.69	18.26' LT
4	2861+91.30	91.33' LT	75'	2861+66.84	20.68' LT	2861+97.08	16.57' LT
5*	2858+55.99	68.52' RT	38'	2858+59.26	30.66' RT	2858+95.20	64.91' RT
6	2859+49.58	65.99' RT	15'	2859+34.16	67.93' RT	2859+49.36	80.98' RT
7*	2859+68.74	54.26' RT	34'	2859+34.02	58.85' RT	2859+69.29	20.27' RT
8*	2859+78.12	54.21' RT	34'	2859+77.89	20.21' RT	2860+13.02	51.94' RT
9	2860+09.36	58.05' RT	5'	2860+09.49	63.05' RT	2860+14.50	57.67' RT
10	2860+58.37	71.36' RT	6'	2860+52.16	71.95' RT	2860+64.57	70.75' RT
11*	2860+87.05	57.80' RT	34'	2860+52.14	61.39' RT	2860+83.79	23.95' RT
12	308+08.34	286.78' RT	2000'	2861+42.09	18.00' RT	2862+68.74	28.00' RT

* RADIUS INFORMATION GIVEN TO FACE OF CURB

SPOKES CIRCLE

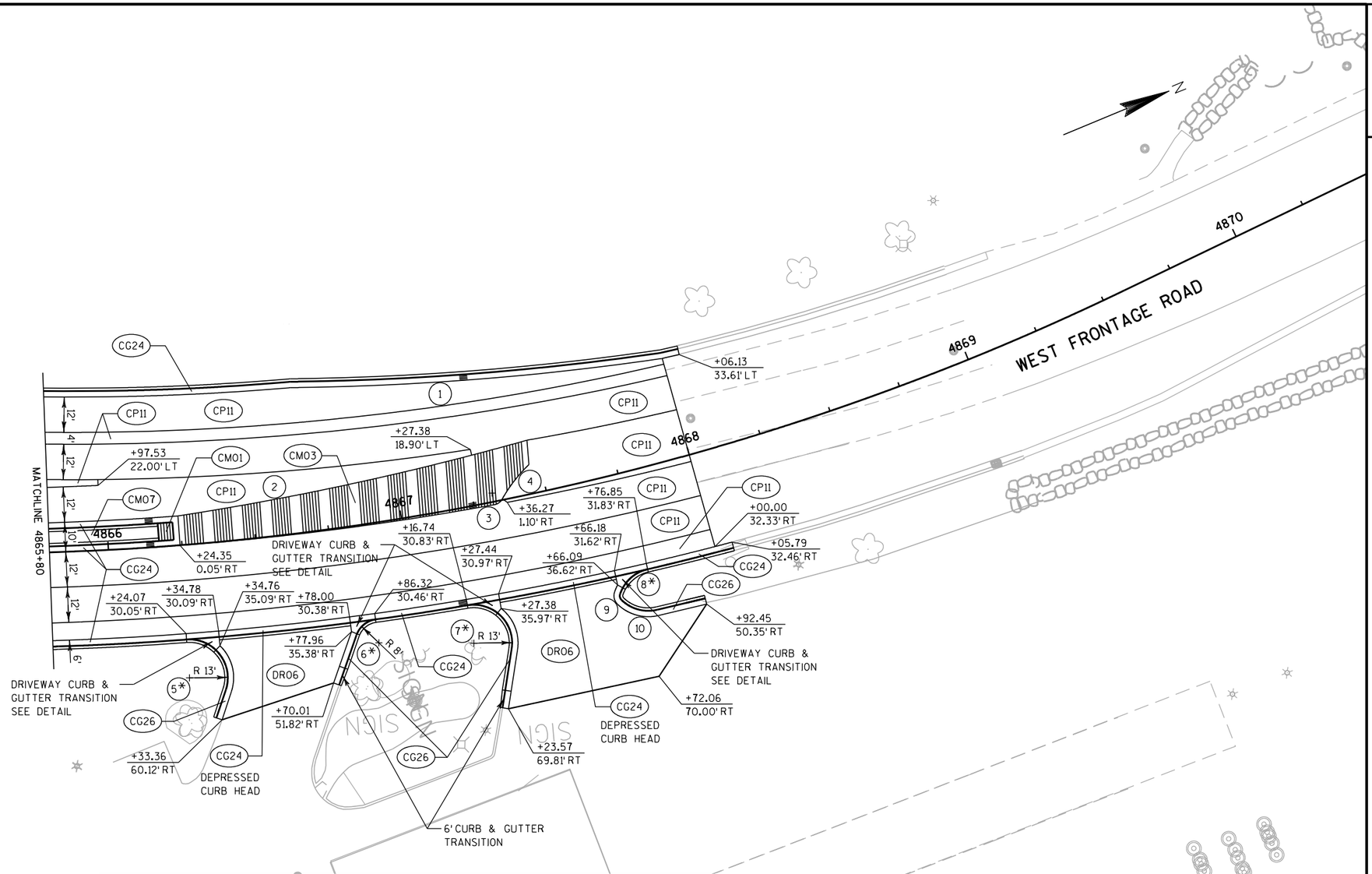
WEST FRONTAGE ROAD

MATCHLINE 2863+10

NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_102	E

2



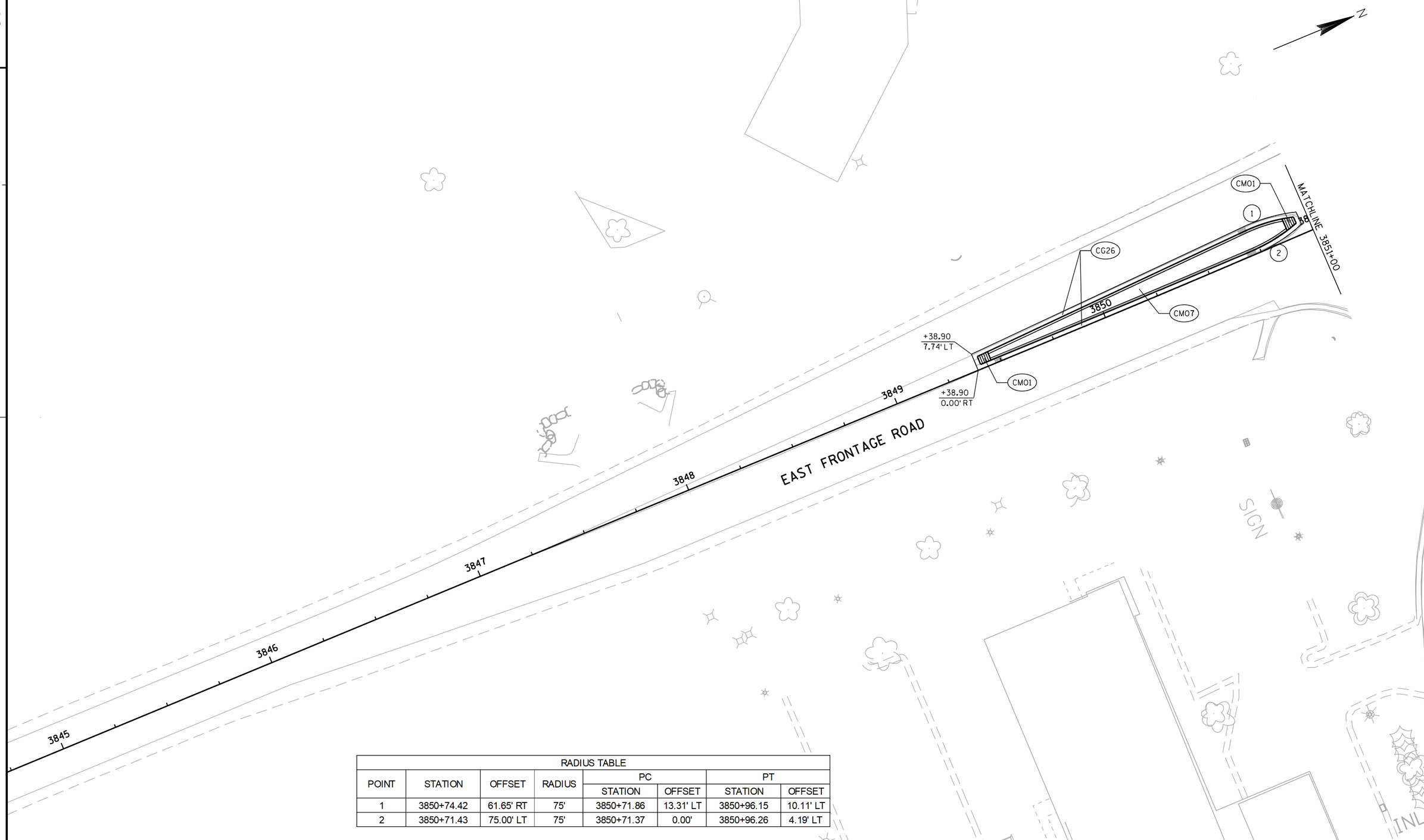
RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	4870+90.94	953.66' LT	950'	4866+68.29	49.30' LT	4867+99.82	33.91' LT
2	4865+08.73	1004.03' LT	1000'	4866+24.38	9.95' LT	4867+47.28	18.08' LT
3	4867+31.85	2.97' LT	4'	4867+31.79	1.03' RT	4867+34.90	0.37' LT
4	4867+71.51	32.97' RT	50'	4867+34.90	0.37' LT	4867+46.12	9.92' LT
5*	4866+24.02	45.05' RT	13'	4866+24.06	32.05' RT	4866+35.38	50.15' RT
6*	4866+86.23	40.46' RT	8'	4866+79.42	36.78' RT	4866+86.30	32.46' RT
7*	4867+16.55	45.82' RT	13'	4867+16.71	32.82' RT	4867+28.19	50.16' RT
8*	4867+76.60	46.83' RT	13'	4867+66.21	39.72' RT	4867+76.82	33.83' RT
9	4867+67.82	40.81' RT	4'	4867+64.59	42.95' RT	4867+64.60	38.64' RT
10	4867+76.77	34.97' RT	15'	4867+64.59	42.95' RT	4867+76.57	49.97' RT

* RADIUS INFORMATION GIVEN TO FACE OF CURB

NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_103	E

2



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1	3850+74.42	61.65' RT	75'	3850+71.86	13.31' LT	3850+96.15	10.11' LT
2	3850+71.43	75.00' LT	75'	3850+71.37	0.00'	3850+96.26	4.19' LT

RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1*	3852+44.76	130.19' LT	74'	3852+56.69	57.14' LT	3852+87.85	69.65' LT
2*	3854+15.35	119.32' LT	59'	3853+81.83	70.67' LT	3854+12.06	60.41' LT
3*	3855+73.69	63.00' LT	3'	3855+73.69	60.00' LT	3855+75.64	65.04' LT
4*	3856+06.92	72.00' LT	12'	3855+96.44	72.93' LT	3856+06.92	60.00' LT
5	3858+14.62	498.07' RT	570'	3856+46.78	58.00' LT	3857+46.39	67.92' LT
6	3852+69.65	75.00' LT	75'	3852+69.65	0.00'	3852+93.22	3.76' LT
7	3854+20.83	75.00' LT	75'	3853+87.48	7.82' LT	3854+20.83	0.00'
8*	3852+88.18	48.00' RT	18'	3852+88.18	30.00' RT	3853+06.00	46.38' RT
9*	3853+59.92	49.00' RT	19'	3853+41.21	46.43' RT	3853+59.92	30.00' RT
10*	3854+86.09	49.00' RT	19'	3854+86.09	30.00' RT	3855+05.08	48.40' RT
11*	3855+69.07	49.00' RT	19'	3855+48.07	48.52' RT	3855+69.07	30.00' RT

* RADIUS INFORMATION GIVEN TO FACE OF CURB

EAST FRONTAGE ROAD

MATCHLINE 3851+00

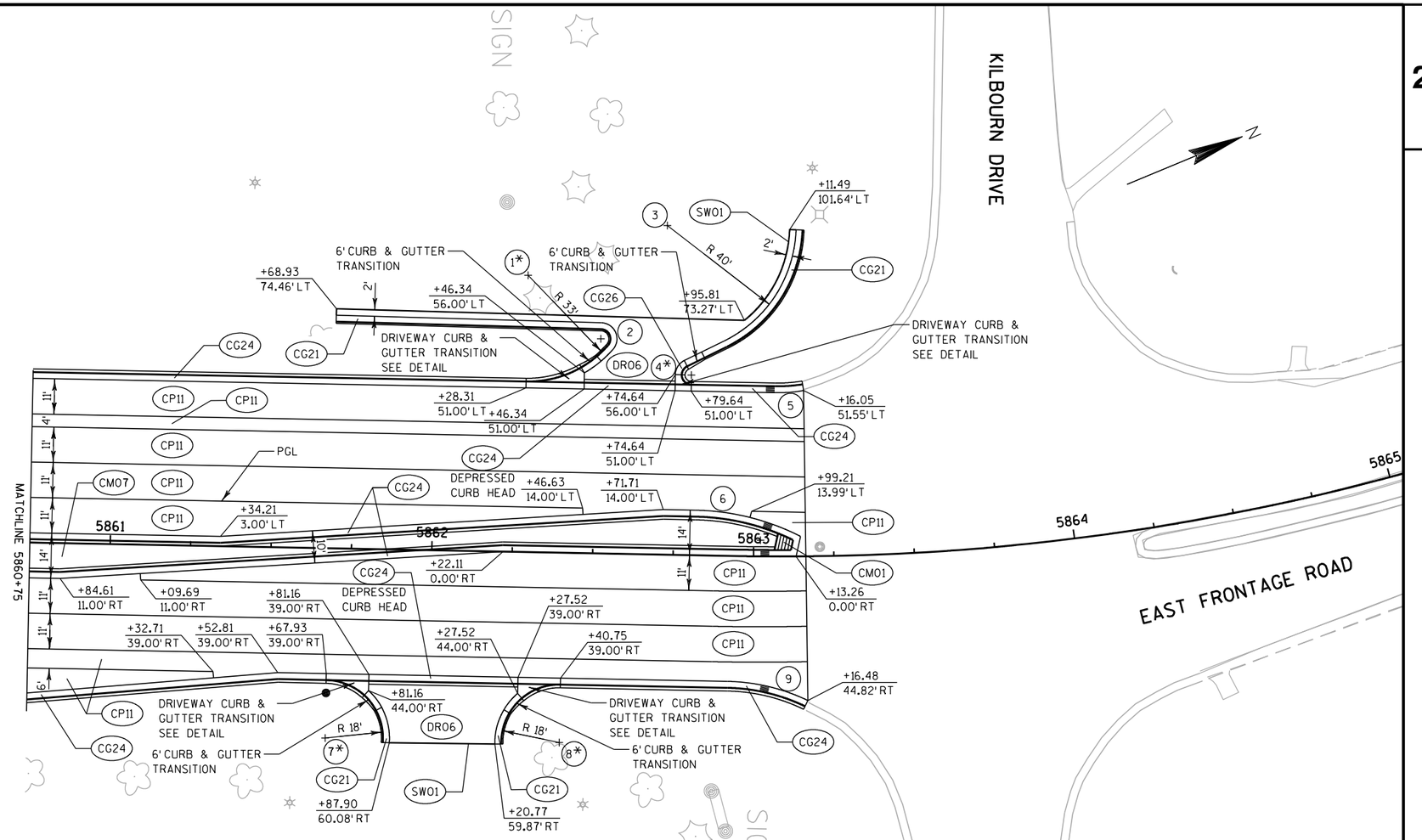
MATCHLINE 3857+25

NOTE
SEE "ALIGNMENT PLAN - TRANSITIONAL CURVES" FOR EB AND WB LANE LAYOUTS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACIOE	PLAN DETAILS	SHEET PRE_105	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021234_pd.dgn PLOT DATE : 18-AUG-2019 21:26 PLOT BY : MSCD1S PLOT NAME : 021234_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



RADIUS TABLE							
POINT	STATION	OFFSET	RADIUS	PC		PT	
				STATION	OFFSET	STATION	OFFSET
1*	5862+28.31	86.00' LT	33'	5862+28.31	53.00' LT	5862+53.56	64.75' LT
2	5862+51.27	66.68' LT	5'	5862+51.29	71.68' RT	5862+55.09	63.46' LT
3	5862+71.29	102.31' LT	40'	5862+89.59	66.74' LT	5863+13.81	101.57' LT
4*	5862+79.64	56.00' LT	3'	5862+78.27	58.67' LT	5862+79.64	53.00' LT
5	5863+07.21	100.92' LT	50'	5863+06.36	50.93' LT	5863+16.05	51.55' LT
6	5862+81.71	61.00' RT	75'	5862+81.71	14.00' LT	5863+14.65	6.21' LT
7*	5861+67.93	59.00' RT	18'	5861+67.93	41.00' RT	5861+85.90	60.09' RT
8*	5862+40.75	59.00' RT	18'	5862+22.77	59.86' RT	5862+40.75	41.00' RT
9	5862+92.66	99.00' RT	60'	5862+92.66	39.00' RT	5863+16.48	44.82' RT

* RADIUS INFORMATION GIVEN TO FACE OF CURB

2

N

+75.00
39.00' LT
MATCH EXISTING

+75.00
15.00' LT
MATCH EXISTING

B

24'

INTERNATIONAL DRIVE

111

112

113

MATCHLINE 114+00

BEGIN PROJECT
1033-02-76
STA 111+75.00

+75.00
15.00' RT
MATCH EXISTING

+75.00
39.00' RT
MATCH EXISTING

B

24'

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_107	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021241_pd.dgn PLOT DATE : 18-AUG-2019 21:26 PLOT BY : MSCD1S PLOT NAME : 021241_pd PLOT SCALE : 40:1

2

N

B

24'

117

118

119

12

MATCHLINE 120+00

116

INTERNATIONAL DRIVE

115

4

MATCHLINE 114+00

B

24'

24'

24'

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_108	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021242_pd.dgn PLOT DATE : 18-AUG-2019 21:27 PLOT BY : MSCD1S PLOT NAME : 021242_pd PLOT SCALE : 40:1

2

N

B

24'

MATCHLINE 120+00

120

121

122

123

INTERNATIONAL DRIVE

124

125

MATCHLINE 126+00

24'

B

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_109	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021243_pd.dgn PLOT DATE : 18-AUG-2019 21:27 PLOT BY : MSCD1S PLOT NAME : 021243_pd PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_110	E

2

N

STH 20

+43.46
87.32' LT
MATCH EXISTING

+57.95
84.13' LT
MATCH EXISTING

END PROJECT
1033-02-76
STA 135+38.00

24'

B

MATCHLINE 132+00

132 133 134 135 136 137

INTERNATIONAL DRIVE

24'

36'

B

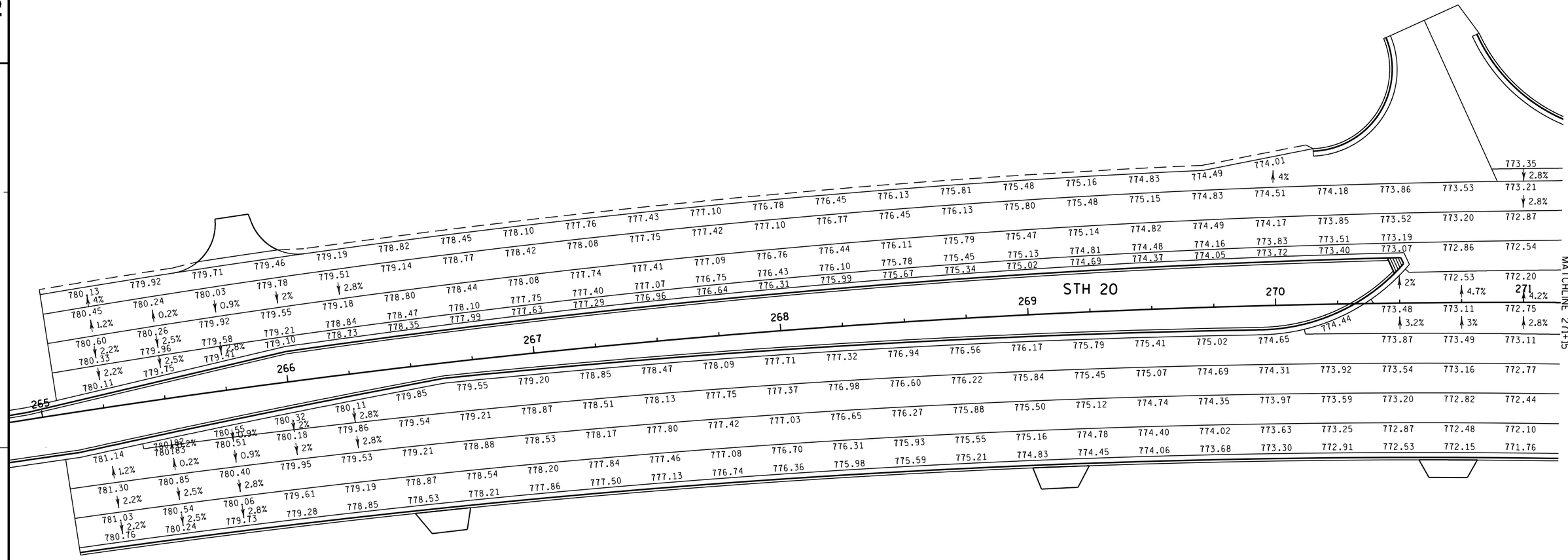
+97.87
128.18' RT
MATCH EXISTING

+07.11
130.21' RT
MATCH EXISTING

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN DETAILS	SHEET PRE_111	E

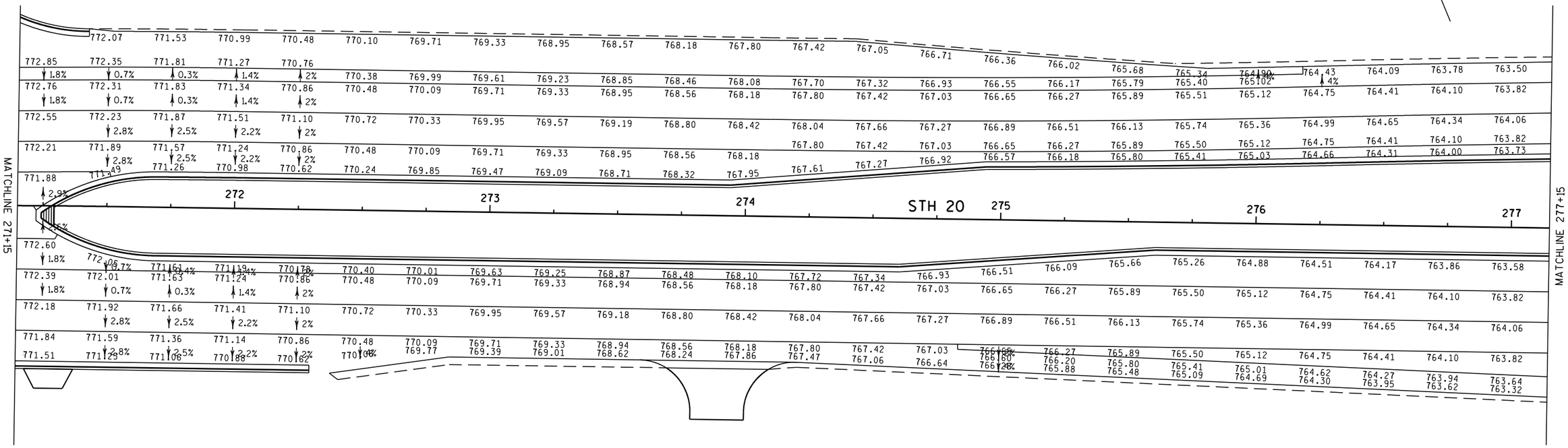
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021245_pd.dgn PLOT DATE : 18-AUG-2019 21:27 PLOT BY : MSCD1S PLOT NAME : 021245_pd PLOT SCALE : 40:1

2



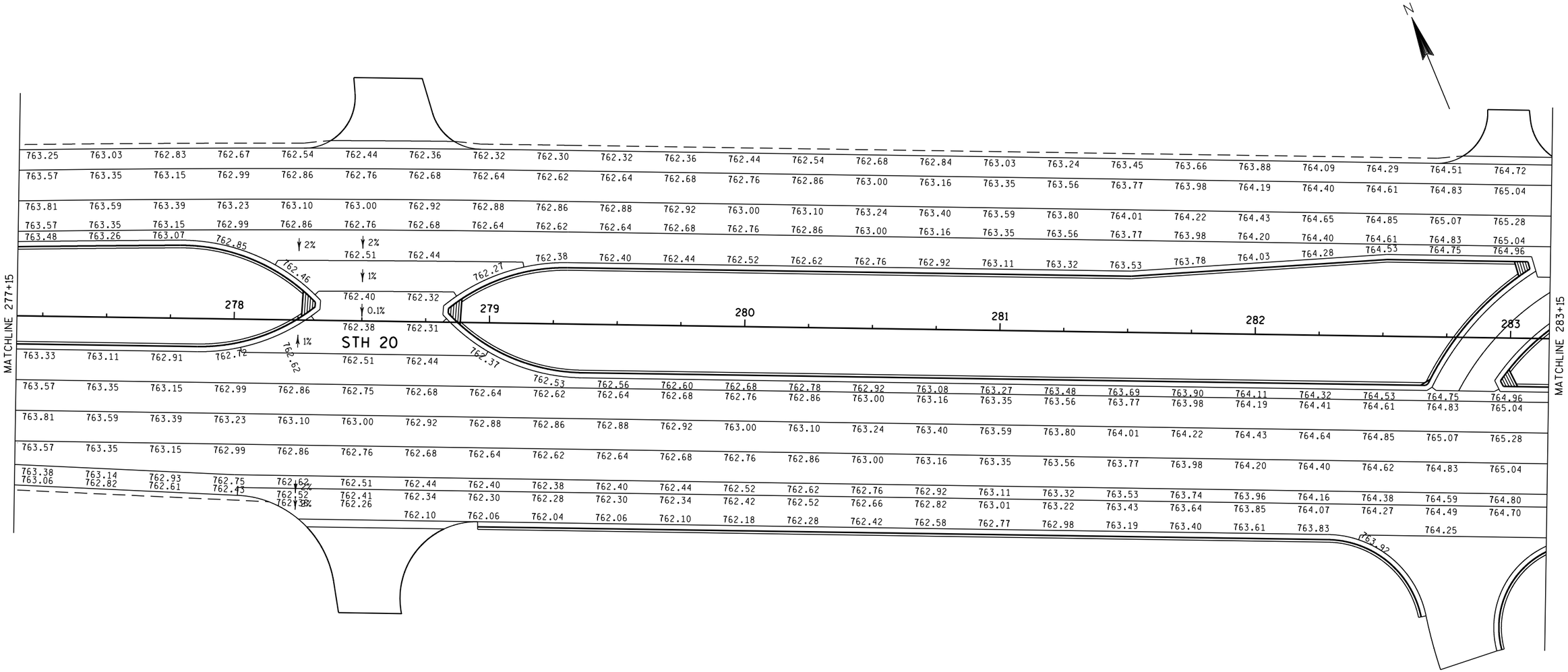
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_112	E

2



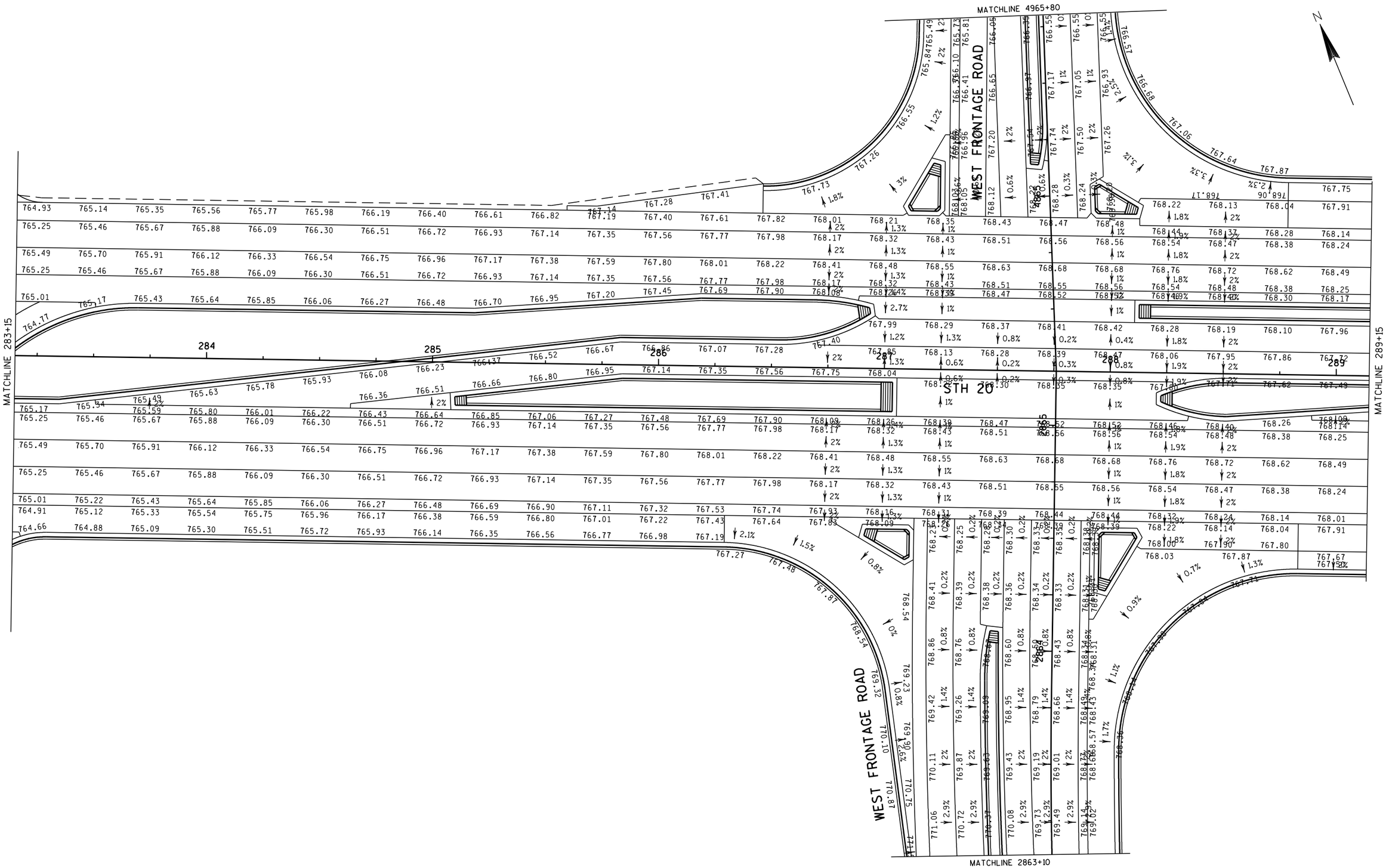
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_113	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_114	E

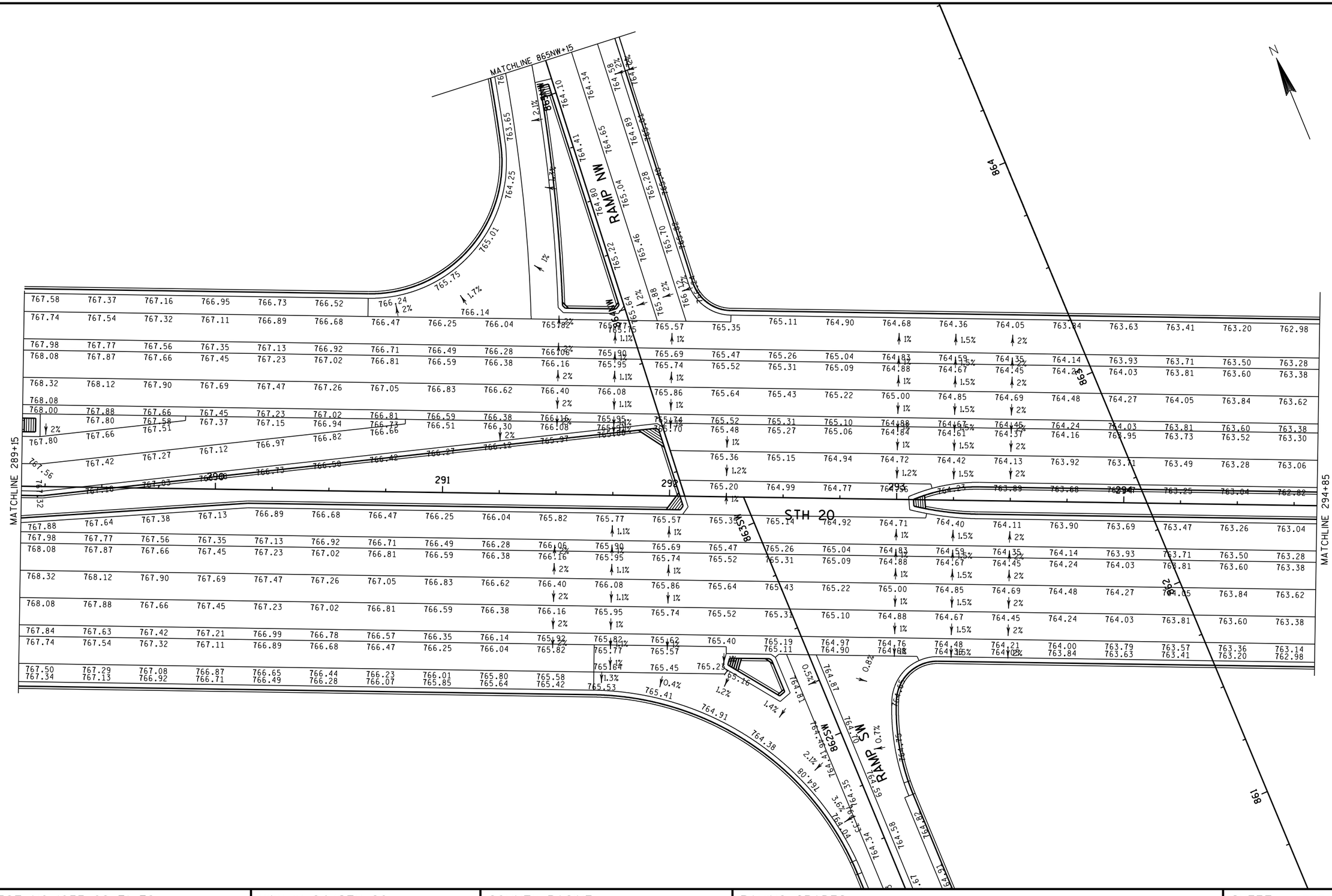
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021353_pg.dgn PLOT DATE : 18-AUG-2019 21:28 PLOT BY : MSCD1S PLOT NAME : 021353_pg PLOT SCALE : 40:1

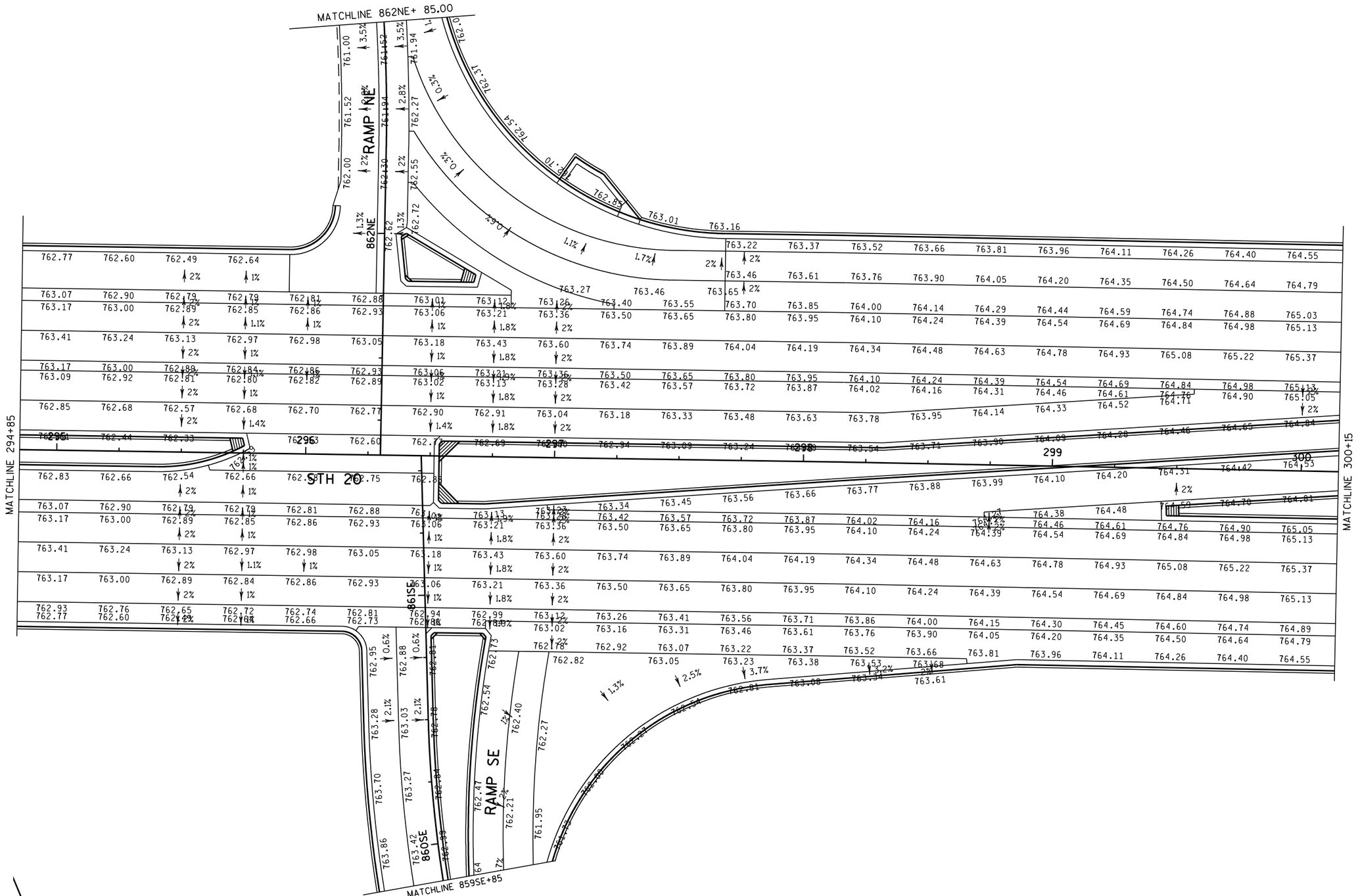


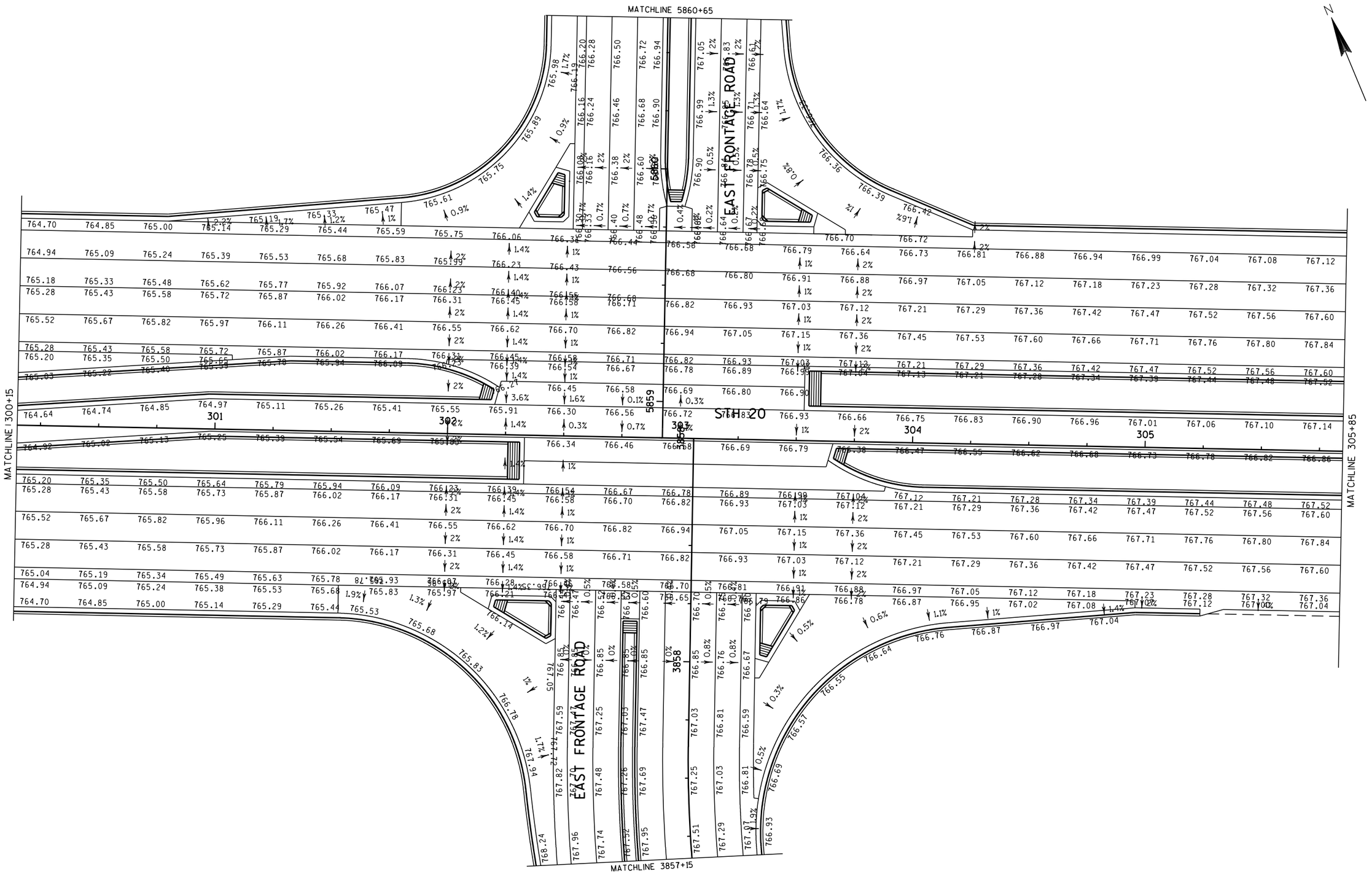
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_115	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021354_pg.dgn PLOT DATE : 18-AUG-2019 21:28 PLOT BY : MSCD1S PLOT NAME : 021354_pg PLOT SCALE : 40:1

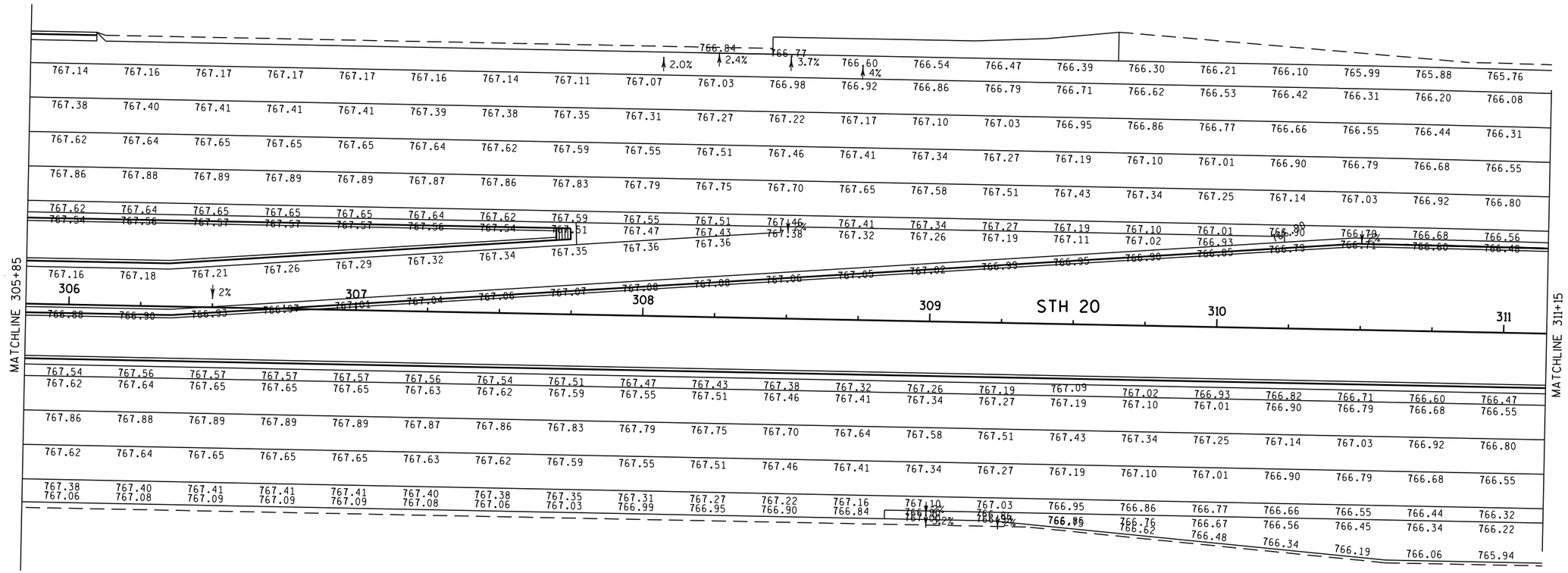
2


MATCHLINE 865NW+15
865NW
RAMP NW
865SW
RAMP SW
STH 20
MATCHLINE 289+15
MATCHLINE 294+85
N
894
898
198
291
292
293
294
295
296
297
298
763.65
764.25
765.01
765.75
766.14
764.10
764.34
764.58
764.41
764.65
764.89
765.04
765.28
765.46
765.70
765.22
764.80
765.64
765.88
766.12
764.87
764.70
764.59
764.41
764.35
764.08
764.91
764.38
765.16
765.41
765.45
765.53
765.77
765.57
765.35
765.14
764.92
764.71
764.40
764.11
763.90
763.69
763.47
763.26
763.04
762.82
767.58 767.37 767.16 766.95 766.73 766.52 766.24 766.04 765.82 765.57 765.35 765.11 764.90 764.68 764.36 764.05 763.84 763.63 763.41 763.20 762.98
767.74 767.54 767.32 767.11 766.89 766.68 766.47 766.25 766.04 765.82 765.57 765.35 765.11 764.90 764.68 764.36 764.05 763.84 763.63 763.41 763.20 762.98
767.98 767.77 767.56 767.35 767.13 766.92 766.71 766.49 766.28 766.06 765.90 765.69 765.47 765.26 765.04 764.83 764.59 764.35 764.14 763.93 763.71 763.50 763.28
768.08 767.87 767.66 767.45 767.23 767.02 766.81 766.59 766.38 766.16 765.95 765.74 765.52 765.31 765.09 764.88 764.67 764.45 764.24 764.03 763.81 763.60 763.38
768.32 768.12 767.90 767.69 767.47 767.26 767.05 766.83 766.62 766.40 766.08 765.86 765.64 765.43 765.22 765.00 764.85 764.69 764.48 764.27 764.05 763.84 763.62
768.08 767.88 767.66 767.45 767.23 767.02 766.81 766.59 766.38 766.16 765.95 765.74 765.52 765.31 765.10 764.88 764.67 764.45 764.24 764.03 763.81 763.60 763.38
767.84 767.63 767.42 767.21 766.99 766.78 766.57 766.35 766.14 765.92 765.82 765.62 765.40 765.19 764.97 764.76 764.48 764.21 764.00 763.79 763.57 763.36 763.14
767.74 767.54 767.32 767.11 766.89 766.68 766.47 766.25 766.04 765.82 765.57 765.45 765.23 765.11 764.90 764.68 764.55 764.02 763.84 763.63 763.41 763.20 762.98
767.50 767.29 767.08 766.87 766.65 766.44 766.23 766.01 765.80 765.58 765.53 765.41 765.16 764.91 764.87 764.81 764.70 764.59 764.58 764.41 764.35 764.08 763.91 763.73 763.52 763.30
767.34 767.13 766.92 766.71 766.49 766.28 766.07 765.85 765.64 765.42 765.27 765.06 764.84 764.61 764.37 764.16 763.95 763.73 763.52 763.30
767.80 767.66 767.51 767.37 767.15 766.94 766.73 766.51 766.30 766.08 765.95 765.74 765.52 765.31 765.10 764.88 764.67 764.45 764.24 764.03 763.81 763.60 763.38
767.56 767.42 767.27 767.12 766.97 766.82 766.66 766.42 766.27 766.12 765.97 765.70 765.48 765.27 765.06 764.84 764.61 764.37 764.16 763.95 763.73 763.52 763.30
767.32 767.18 767.03 766.88 766.73 766.58 766.42 766.27 766.12 765.97 765.70 765.36 765.15 764.94 764.72 764.42 764.13 763.92 763.71 763.49 763.28 763.06
767.88 767.64 767.38 767.13 766.89 766.68 766.47 766.25 766.04 765.82 765.57 765.35 765.14 764.92 764.71 764.40 764.11 763.90 763.69 763.47 763.26 763.04


MATCHLINE 862NE+ 85.00
RAMP NE
862NE
STH 20
RAMP SE
861SE
860SE
MATCHLINE 859SE+85
MATCHLINE 294+85
MATCHLINE 300+15
N


MATCHLINE 5860+65
EAST FRONTAGE ROAD
STH 20
MATCHLINE 300+15
MATCHLINE 305+85
MATCHLINE 3857+15
301
302
303
304
305
5859
5860
3858

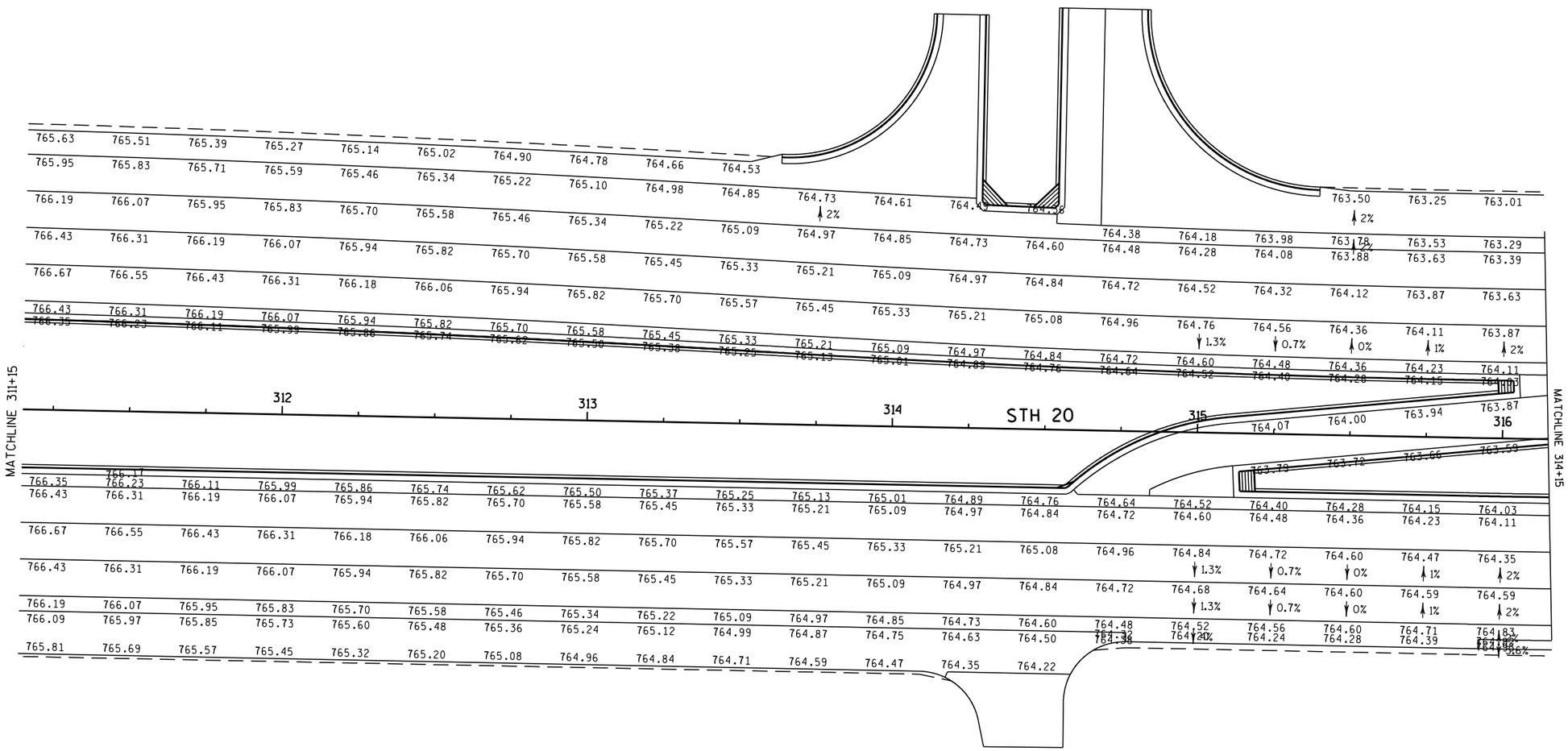
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_119	E

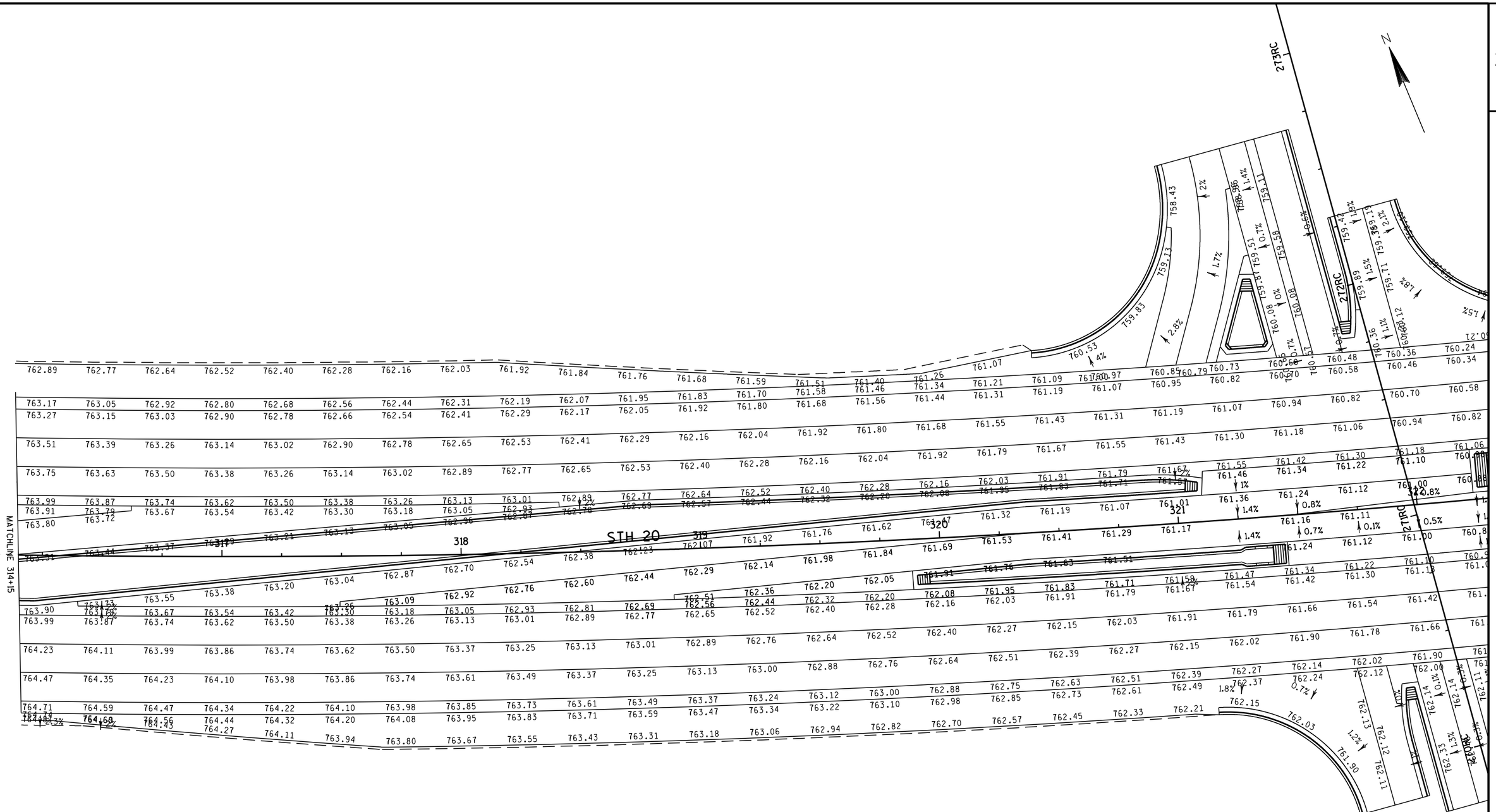
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021358_pg.dgn PLOT DATE : 18-AUG-2019 21:28 PLOT BY : MSCD1S PLOT NAME : 021358_pg PLOT SCALE : 40:1

2



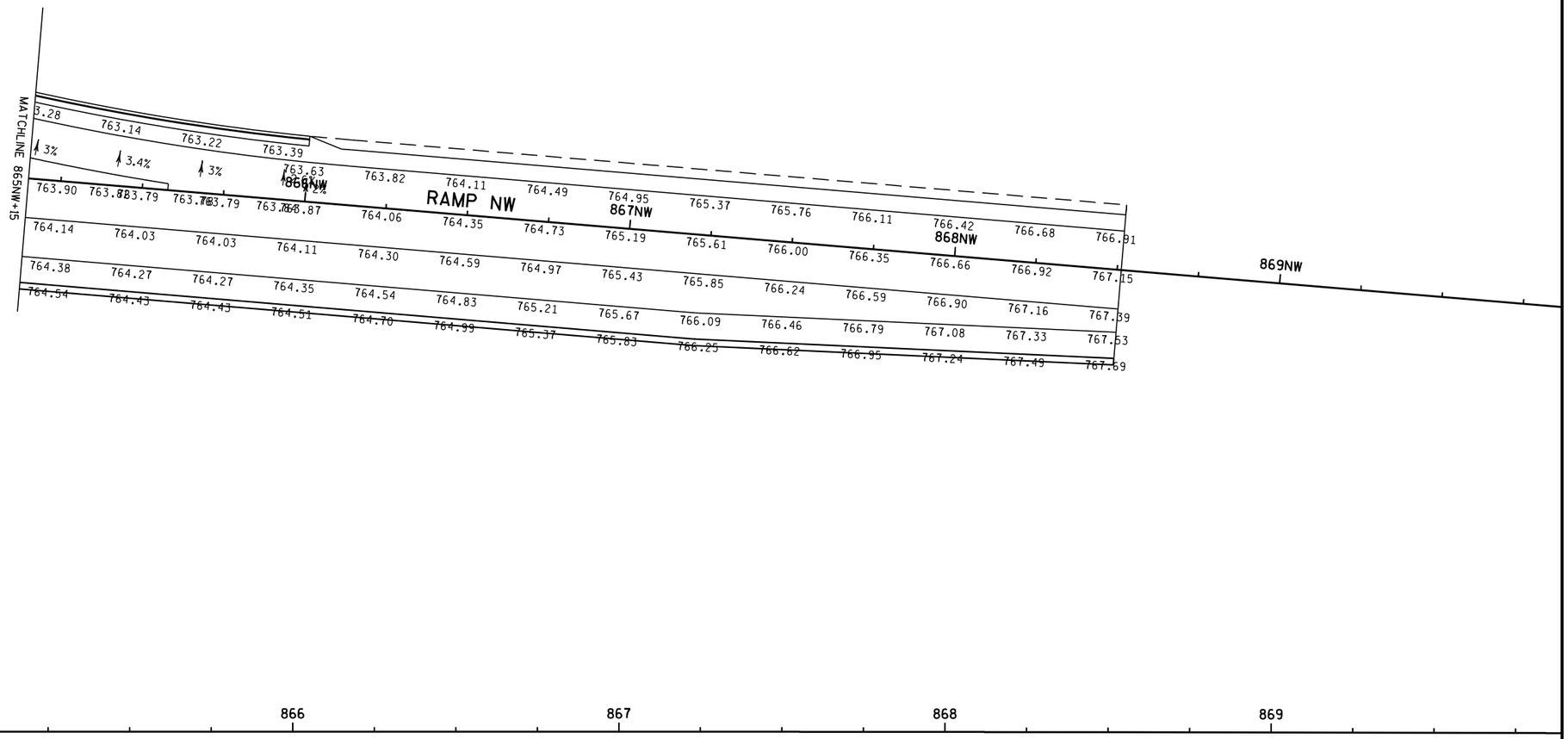
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_120	E

2


N
STH 20
MATCHLINE 314+15
273RC
272RC
DR12
318
319
320
321
762.89 762.77 762.64 762.52 762.40 762.28 762.16 762.03 761.92 761.84 761.76 761.68 761.59 761.51 761.40 761.26 761.07 760.53 760.97 760.85 760.79 760.73 760.68 760.48 760.36 760.24
763.17 763.05 762.92 762.80 762.68 762.56 762.44 762.31 762.19 762.07 761.95 761.83 761.70 761.58 761.46 761.34 761.21 761.09 761.07 760.95 760.82 760.70 760.58 760.46 760.34
763.27 763.15 763.03 762.90 762.78 762.66 762.54 762.41 762.29 762.17 762.05 761.92 761.80 761.68 761.56 761.44 761.31 761.19 761.07 760.94 760.82 760.70 760.58
763.51 763.39 763.26 763.14 763.02 762.90 762.78 762.65 762.53 762.41 762.29 762.16 762.04 761.92 761.80 761.68 761.55 761.43 761.31 761.19 761.07 760.94 760.82
763.75 763.63 763.50 763.38 763.26 763.14 763.02 762.89 762.77 762.65 762.53 762.40 762.28 762.16 762.04 761.92 761.79 761.67 761.55 761.43 761.30 761.18 761.06
763.99 763.87 763.74 763.62 763.50 763.38 763.26 763.13 763.01 762.89 762.77 762.64 762.52 762.40 762.28 762.16 762.03 761.91 761.79 761.67 761.55 761.42 761.30 761.18 761.06
763.91 763.79 763.67 763.54 763.42 763.30 763.18 763.05 762.93 762.81 762.69 762.57 762.44 762.32 762.20 762.08 761.95 761.83 761.71 761.59 761.46 761.34 761.22 761.10
763.80 763.72 763.59 763.46 763.34 763.21 763.09 762.96 762.84 762.72 762.60 762.47 762.35 762.23 762.11 761.99 761.87 761.75 761.63 761.51 761.36 761.24 761.12 761.00
763.91 763.79 763.67 763.54 763.42 763.30 763.18 763.05 762.93 762.81 762.69 762.56 762.44 762.32 762.20 762.08 761.95 761.83 761.71 761.59 761.47 761.34 761.22 761.10
763.90 763.78 763.67 763.54 763.42 763.30 763.18 763.05 762.93 762.81 762.69 762.56 762.44 762.32 762.20 762.08 761.95 761.83 761.71 761.59 761.47 761.34 761.22 761.10
763.99 763.87 763.74 763.62 763.50 763.38 763.26 763.13 763.01 762.89 762.77 762.65 762.52 762.40 762.28 762.16 762.03 761.91 761.79 761.66 761.54 761.42 761.30 761.18
764.23 764.11 763.99 763.86 763.74 763.62 763.50 763.37 763.25 763.13 763.01 762.89 762.76 762.64 762.52 762.40 762.27 762.15 762.03 761.91 761.79 761.66 761.54 761.42 761.30
764.47 764.35 764.23 764.10 763.98 763.86 763.74 763.61 763.49 763.37 763.25 763.13 763.00 762.88 762.76 762.64 762.51 762.39 762.27 762.15 762.02 761.90 761.78 761.66 761.54
764.71 764.59 764.47 764.34 764.22 764.10 763.98 763.85 763.73 763.61 763.49 763.37 763.24 763.12 763.00 762.88 762.75 762.63 762.51 762.39 762.27 762.14 762.02 761.90 761.78
764.68 764.56 764.44 764.32 764.20 764.08 763.95 763.83 763.71 763.59 763.47 763.34 763.22 763.10 762.98 762.85 762.73 762.61 762.49 762.37 762.24 762.12 762.00 761.88
764.43 764.27 764.11 763.94 763.80 763.67 763.55 763.43 763.31 763.18 763.06 762.94 762.82 762.70 762.57 762.45 762.33 762.21 762.15 762.03 761.90
762.13 762.12 762.11
762.00 762.14 762.33 762.11
762.00 762.14 762.11
762.00 762.14 762.11
762.00 762.14

2

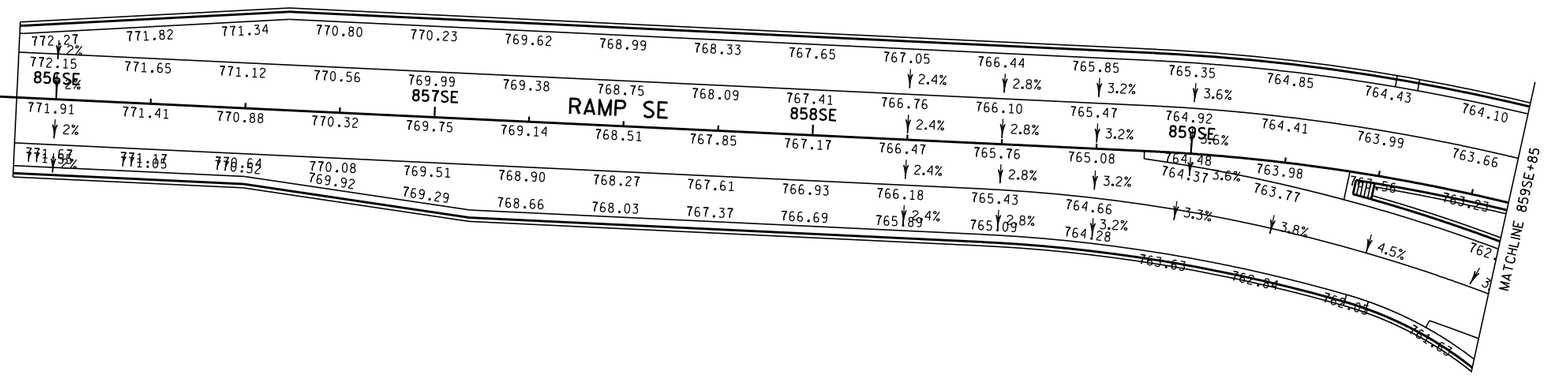
N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_122	E

856 857 858 859 860

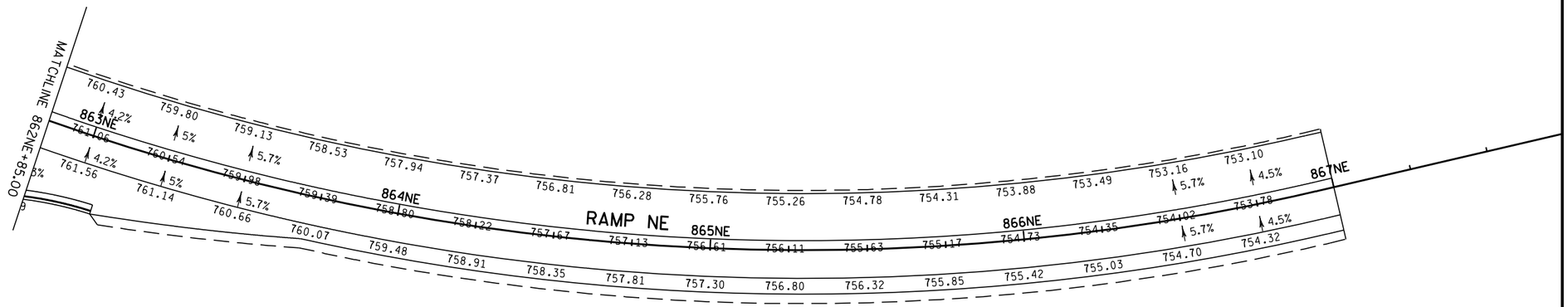
N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_123	E

2

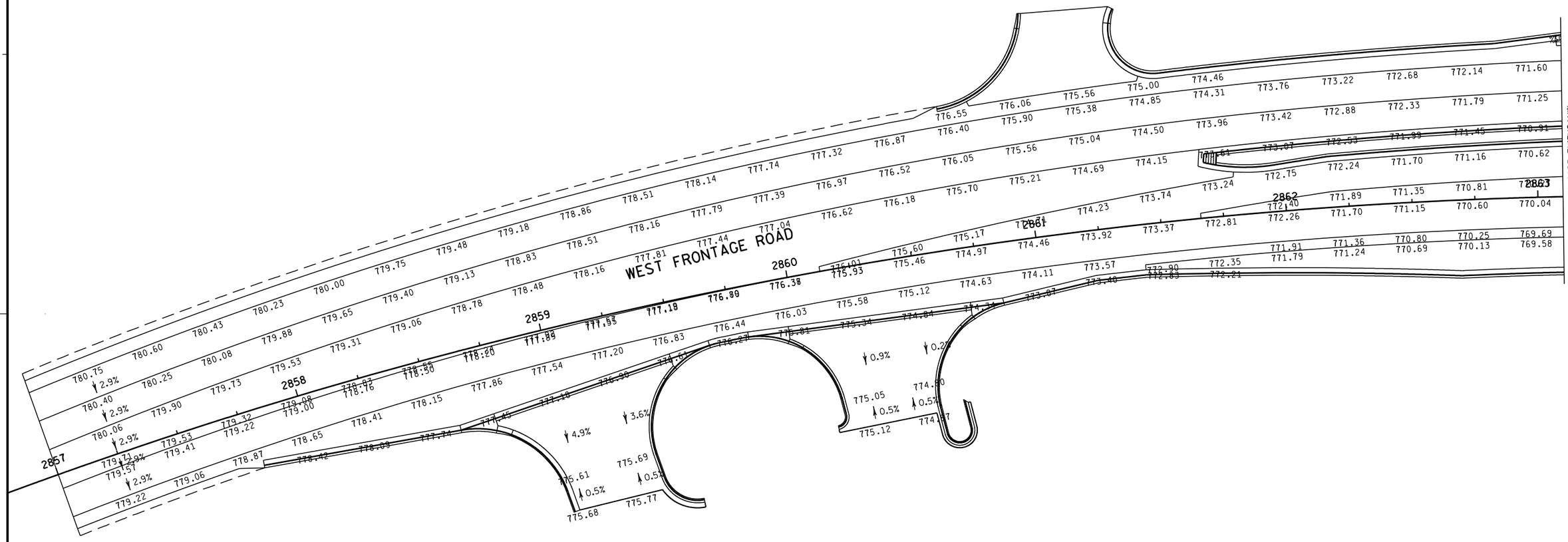
N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_124	E

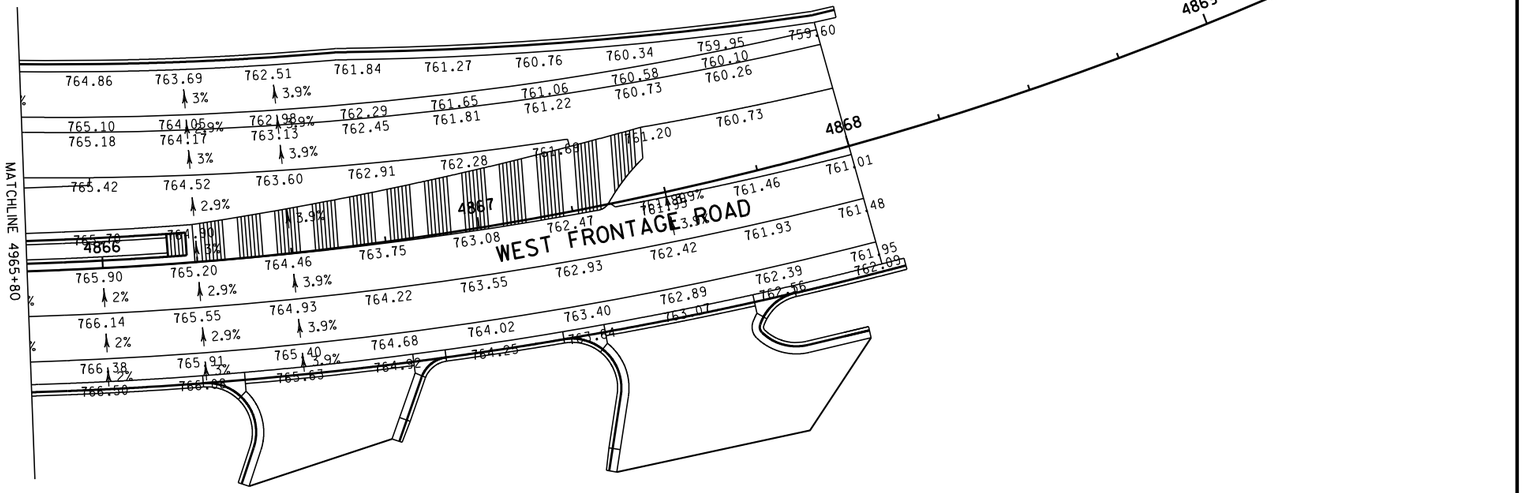
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021363_pg.dgn PLOT DATE : 18-AUG-2019 21:28 PLOT BY : MSCD1S PLOT NAME : 021363_pg PLOT SCALE : 40:1

2

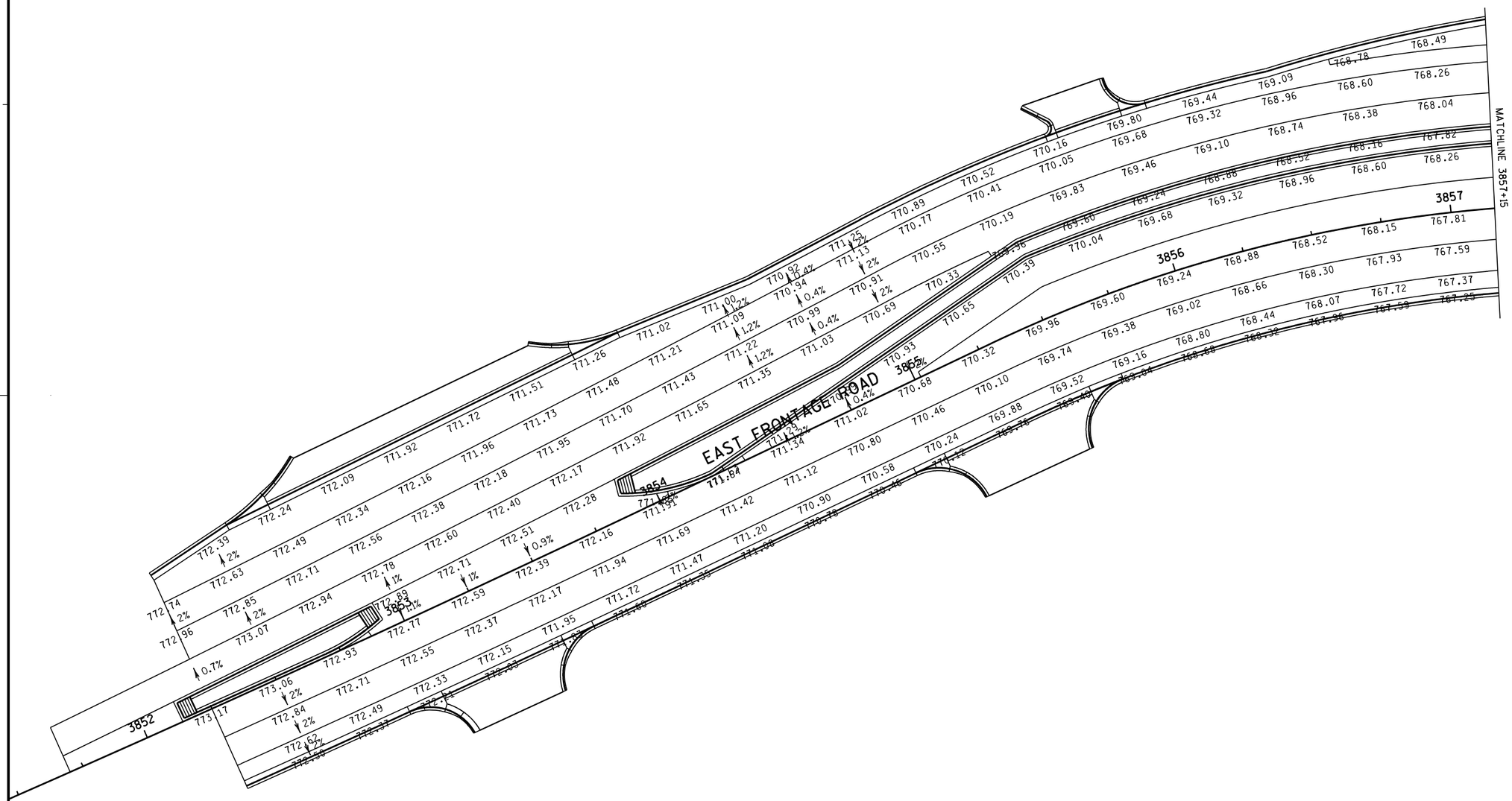


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_125	E

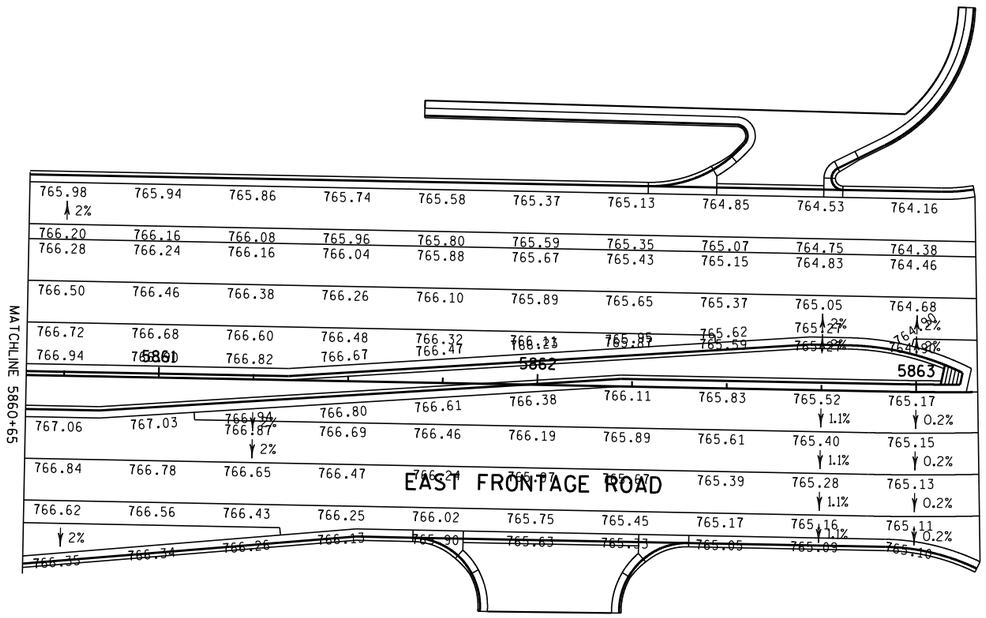
2


N
MATCHLINE 4955+80
4866
4867
4868
4869
WEST FRONTAGE ROAD
764.86
763.69
762.51
761.84
761.27
760.76
760.34
759.95
759.60
765.10
764.17
763.13
762.29
761.65
761.06
760.58
760.10
765.18
762.45
761.81
761.22
760.73
760.26
765.42
764.52
763.60
762.91
762.28
761.68
761.20
760.73
765.90
765.20
764.46
763.75
763.08
762.47
761.93
761.46
761.01
766.14
765.55
764.93
764.22
763.55
762.93
762.42
761.93
761.48
766.38
765.91
765.40
764.68
764.02
763.40
762.89
762.39
761.95
3%
3.9%
2.9%
2%

2

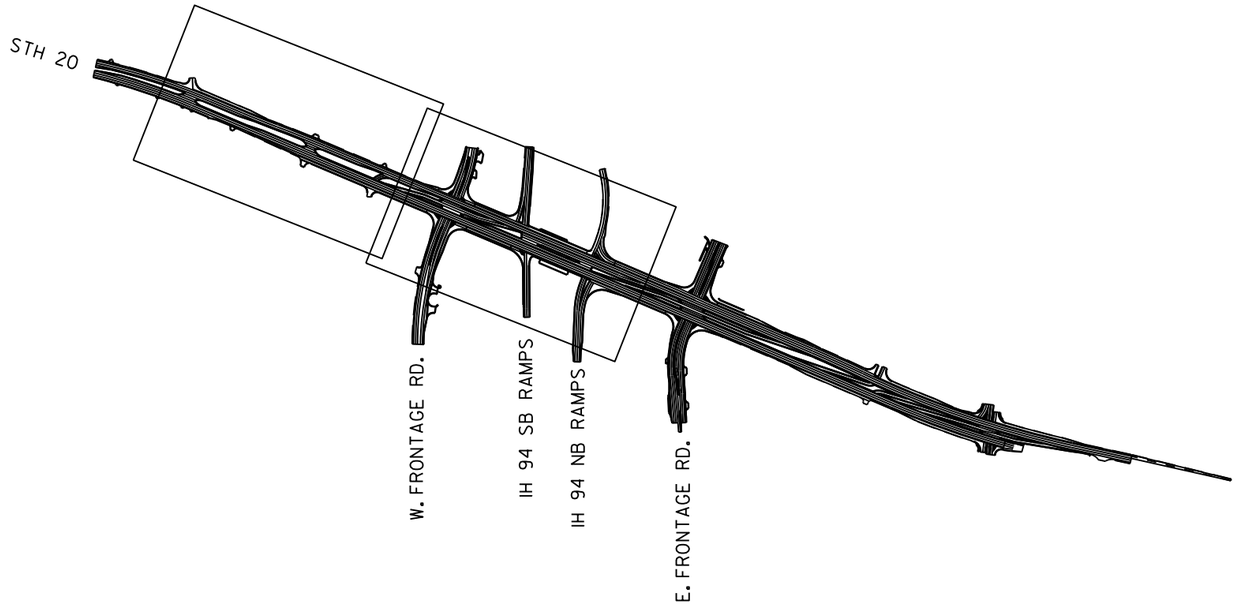

N
EAST FRONTAGE ROAD
MATCHLINE 3857+15
3852
3853
3854
3855
3856
3857
771.00
771.02
771.09
771.22
771.35
771.03
770.99
770.94
770.92
771.13
771.25
770.91
770.69
770.55
770.33
770.17
770.89
770.52
770.41
770.19
770.05
770.16
769.80
769.68
769.46
769.24
769.04
768.88
768.74
768.60
768.49
768.78
769.09
769.44
769.32
769.10
768.96
768.88
768.74
768.60
768.52
768.38
768.26
768.16
768.04
767.82
768.26
768.32
768.52
768.96
768.60
768.15
767.81
767.59
767.37
767.25
770.65
770.39
770.04
769.68
769.32
769.24
769.60
769.96
770.32
770.68
771.02
771.34
771.64
771.91
772.17
772.28
772.16
771.94
771.69
771.42
771.12
770.80
770.46
770.24
770.58
770.90
771.20
771.47
771.72
771.95
772.17
772.37
772.15
772.33
772.55
772.71
772.93
773.17
773.06
772.84
772.62
772.39
772.63
772.85
773.07
772.96
772.74
772.89
772.78
772.59
772.51
772.39
772.16
771.94
771.71
771.49
771.34
771.22
771.09
770.96
770.82
770.68
770.53
770.39
770.24
770.10
769.96
769.74
769.52
769.38
769.16
769.02
768.80
768.66
768.44
768.30
768.07
767.93
767.72
767.59
767.37
767.25
772.24
772.09
771.92
771.73
771.51
771.26
771.02
770.89
770.77
770.63
770.49
770.34
770.20
770.06
769.92
769.78
769.63
769.49
769.34
769.20
769.06
768.92
768.78
768.63
768.49
768.34
768.20
768.06
767.92
767.78
767.63
767.49
767.35
767.21
767.07
766.92
766.78
766.64
766.50
766.35
766.21
766.07
765.93
765.78
765.64
765.50
765.36
765.21
765.07
764.93
764.78
764.64
764.50
764.36
764.21
764.07
763.93
763.78
763.64
763.50
763.36
763.21
763.07
762.93
762.78
762.64
762.50
762.36
762.21
762.07
761.93
761.78
761.64
761.50
761.36

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVING GRADES	SHEET PRE_128	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\021367_pg.dgn PLOT DATE : 18-AUG-2019 21:28 PLOT BY : MSCD1S PLOT NAME : 021367_pg PLOT SCALE : 40:1



FTMS STANDARD ABBREVIATIONS

CCTV	CLOSED CIRCUIT TELEVISION SITE
RM	RAMP METER
DMS	DYNAMIC MESSAGE SIGN
SDS	SYSTEM DETECTOR STATION
ATR	AUTOMATIC TRAFFIC RECORDER
FY	ADVANCE FLASHER (ASSEMBLY)
CB	CONTROLLER CABINET
PB	PULL BOX
GPB	GROUNDED PULL BOX
MH	MANHOLE
V	COMMUNICATIONS VAULT
SB	SIGNAL BASE
MD	MICROWAVE DETECTOR

LEGEND	EXISTING	PROPOSED
FTMS CONVENTIONAL SYMBOLS		
FTMS (ITS) CONDUIT		
COMMUNICATIONS VAULT, TYPE 1	V1	V1
METER BREAKER	⊠	⊠

FTMS GENERAL NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR FTMS CONSTRUCTION OPERATIONS.

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

DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

THE CONTRACTOR IS TO CONTACT THE WISDOT STATEWIDE TRAFFIC OPERATIONS CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.

HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.

VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

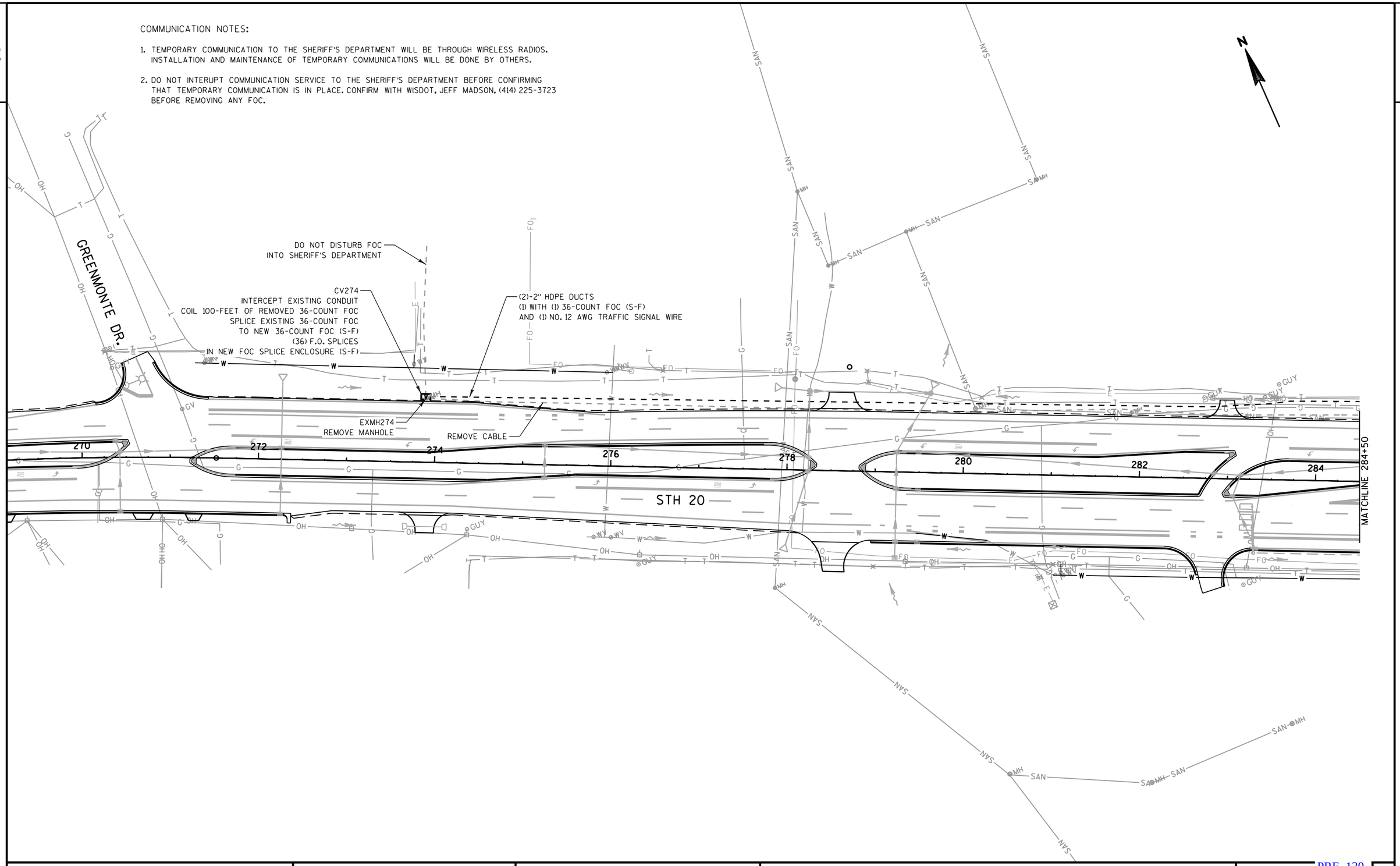
INSTALL CONDUIT BELOW FUTURE MULTIUSE PATH SO AS NOT TO BE DISTURBED WHEN THE PATH IS CONSTRUCTED. INSTALL CONDUIT AND VAULTS AROUND PROPOSED IRRIGATION SYSTEM.

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	FTMS PLANS - OVERVIEW	SHEET PRE_129 E

COMMUNICATION NOTES:

1. TEMPORARY COMMUNICATION TO THE SHERIFF'S DEPARTMENT WILL BE THROUGH WIRELESS RADIOS. INSTALLATION AND MAINTENANCE OF TEMPORARY COMMUNICATIONS WILL BE DONE BY OTHERS.

2. DO NOT INTERUPT COMMUNICATION SERVICE TO THE SHERIFF'S DEPARTMENT BEFORE CONFIRMING THAT TEMPORARY COMMUNICATION IS IN PLACE. CONFIRM WITH WISDOT, JEFF MADSON, (414) 225-3723 BEFORE REMOVING ANY FOC.



PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	FTMS PLANS	SHEET E

PRE_130

FILE NAME : \\minw00\pmwork\Jobs\71063\t1\cds\021401_fm.dgn PLOT DATE : 5/22/2019 11:55:08 AM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

(2)-2" HDPE DUCTS
(1) WITH (1) 36-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

EXCV291
EXISTING BURIED WISDOT VAULT
ON AT&T CABLE SYSTEM
CONTACT WISDOT BEFORE ACCESSING
(36) F.O. SPLICES
IN NEW FOC SPLICE ENCLOSURE (S-F)

MB295
INSTALL EXISTING CONDUIT
AND (3) NO.6 AWG LIGHTING WIRES
INTO NEW MB.

EXCV286
EXMH286
REMOVE MANHOLE
REMOVE CABLE
EXCV289
REMOVE VAULT
REMOVE CABLE
EXMB295

MATCHLINE 284+50

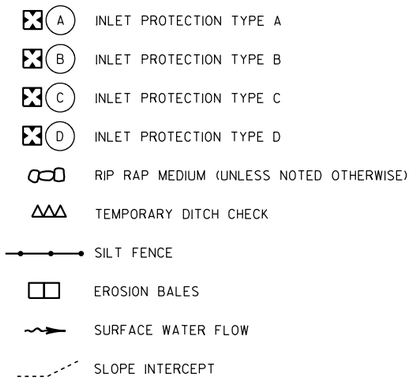
SB OFF-RAMP
NB ON-RAMP
STH 20
W. FRONTAGE RD.
SB ON-RAMP
NB OFF-RAMP
IH 41/ 94 SB
IH 41/ 94 NB

PROJECT NO:1033-02-71	HWY: STH 20	COUNTY: RACINE	FTMS PLANS	SHEET E

PRE_131

2

LEGEND



NOTES

PLACE INLET PROTECTION TYPE A AT ALL NEW INLET LOCATIONS DURING GRADING STAGES.

PLACE INLET PROTECTION TYPE B, C, OR D UNDER INLET COVERS LOCATED IN CURB AND GUTTER UNTIL COMPLETION OF THE PROJECT.

DO NOT STORE MATERIALS OR OPERATE EQUIPMENT WITHIN THE WETLAND LIMITS OUTSIDE THE SLOPE INTERCEPTS.

2

2

CTH C/SPRING STREET

STH 20

256 258 260 262 264 266 268

MATCHLINE 270+00

SEPC SEPV WELL POST SIGN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_133	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022001_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME : 022001_ec PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

GREENMONTE DRIVE

SEWAGE TREATMENT PLANT

STH 20

MATCHLINE 270+00

MATCHLINE 285+00

270

272

274

276

278

280

282

284

GOLF COURSE

SPOKES CIRCLE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_134	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022002_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME : 022002_ec PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

MATCHLINE 868NW+00

MATCHLINE 866NE+00

MATCHLINE 4868+00

WEST FRONTAGE ROAD

4866

868

866NW

RAMP NW

866

864

864NE

RAMP NE

862NE

N

STH 20

MATCHLINE 285+00

286

288

290

292

294

296

298

MATCHLINE 300+00

2864

2862

862SW

RAMP SW

860SW

IH 94 SB

IH 94 NB

098

8C

358SE

RAMP SE

358

WEST FRONTAGE ROAD

SPOKES CIRCLE

MATCHLINE 2861+00

MATCHLINE 859SW+00

MATCHLINE 857SE+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_135	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022003_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME : 022003_ec PLOT SCALE : 100:1

2

MATCHLINE 5863+00

EAST FRONTAGE ROAD

5862

5860

3858

3856

3854

SIGN

FLAG

FILLER CAP

CANOPY

INL

MH

RIPRAP

FILLER CAPS

PHONE

VACUUM

FOUND

N

MATCHLINE 300+00

302

304

306

308

310

312

314

STH 20

MATCHLINE 315+00

GALAXY DRIVE

MATCHLINE 3854+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_136	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022004_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME : 022004_ec PLOT SCALE : 100:1

2

RED CLOUD DRIVE

MATCHLINE 315+00

MATCHLINE 330+00

STH 20

212RC

210RC

316

318

320

322

324

326

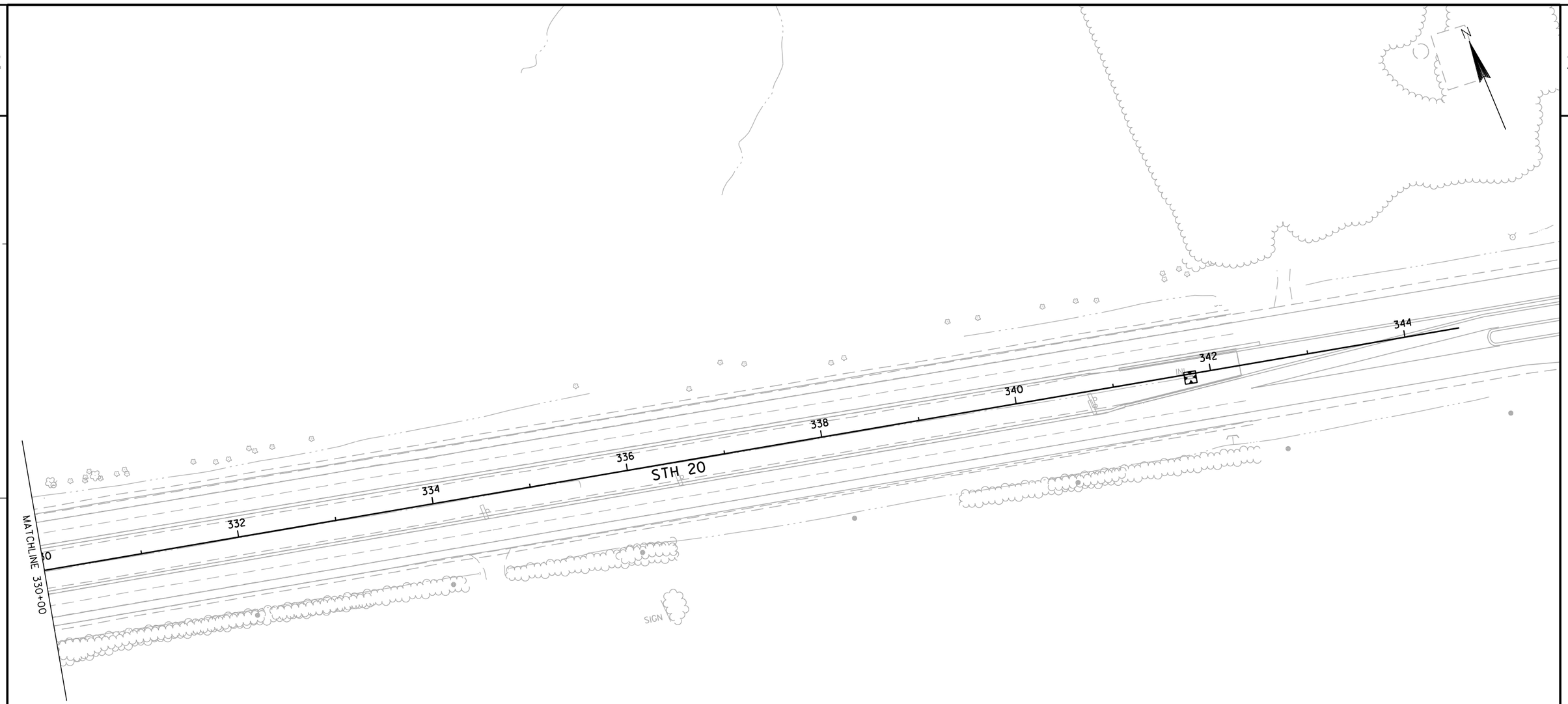
328

SIGN

PROJECT NO:1033-02-71/76 | HWY:IH 94/STH 20 | COUNTY:RACINE | EROSION CONTROL - EXISTING CONDITION | SHEET PRE_137 | E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022005_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME :022005_ec PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_138	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022006_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME : 022006_ec PLOT SCALE : 100:1

2

2

N

112

114

116

118

120

122

INTERNATIONAL DRIVE

MATCHLINE 123+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_139	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022012_ec.dgn PLOT DATE : 18-AUG-2019 21:31 PLOT BY : MSCD1S PLOT NAME : 022012_ec PLOT SCALE : 100:1

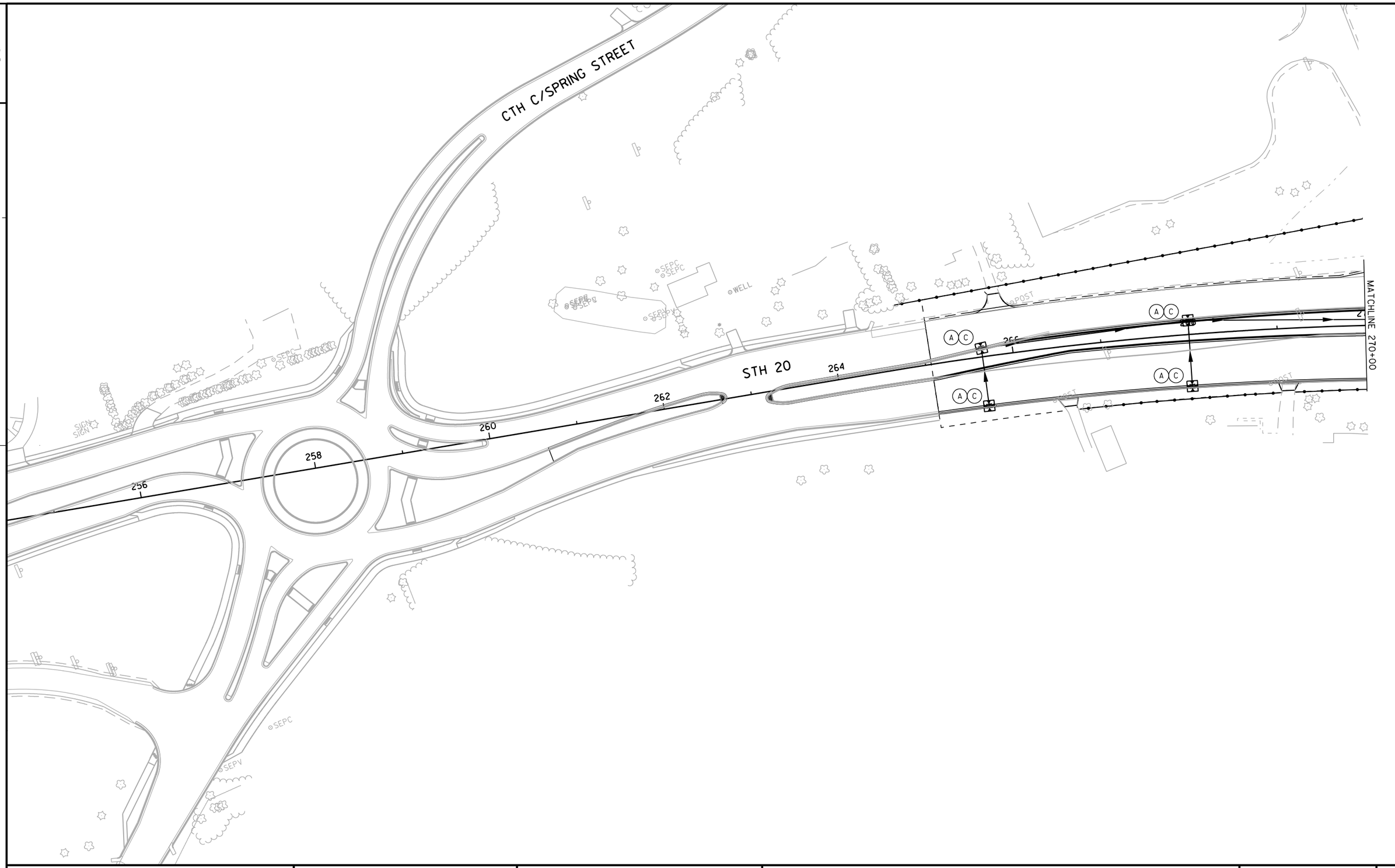
WISDOT/CADDS SHEET 42

2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL - EXISTING CONDITION	SHEET PRE_140	E

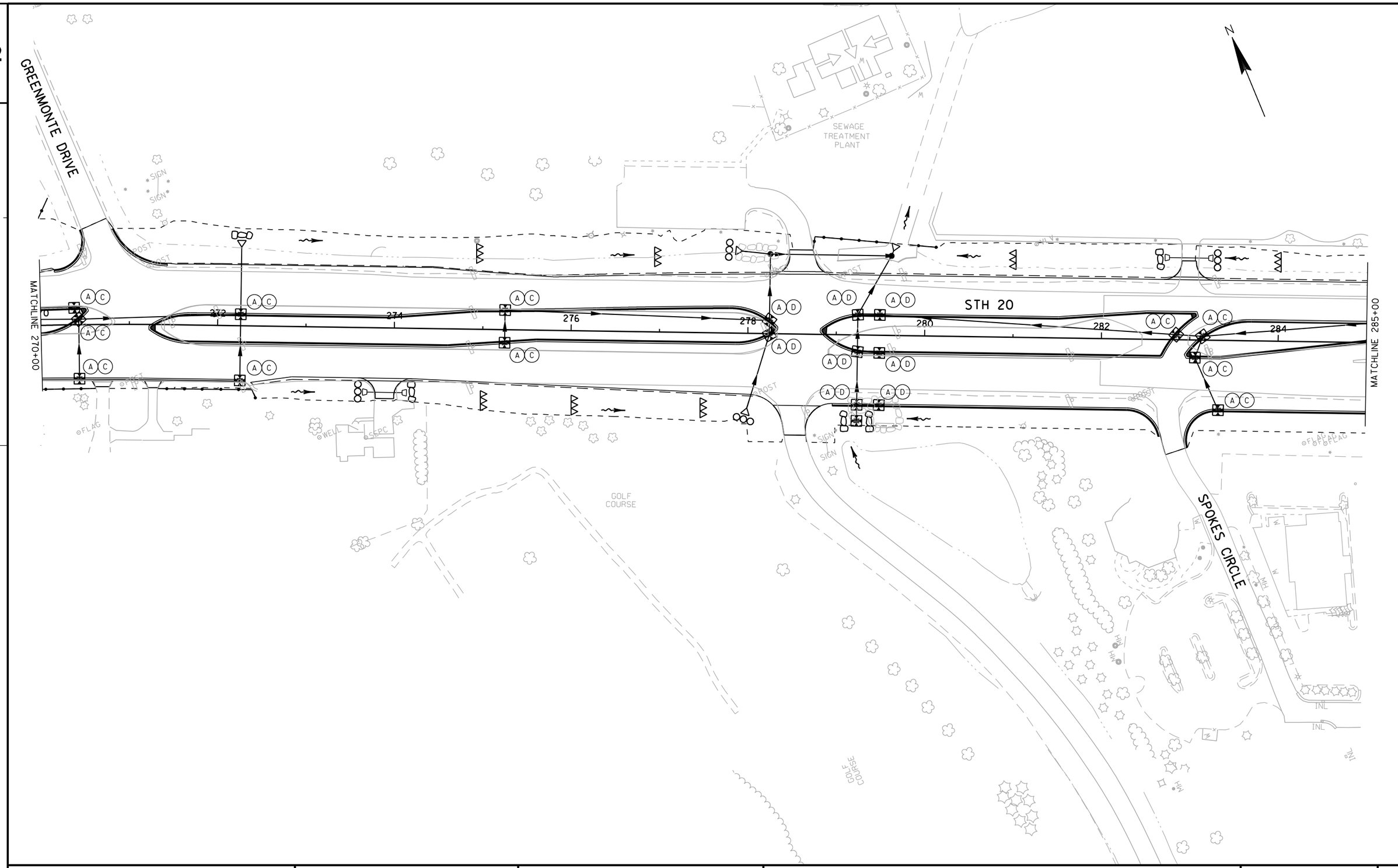
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022013_ec.dgn PLOT DATE : 18-AUG-2019 21:32 PLOT BY : MSCD1S PLOT NAME : 022013_ec PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_141	E

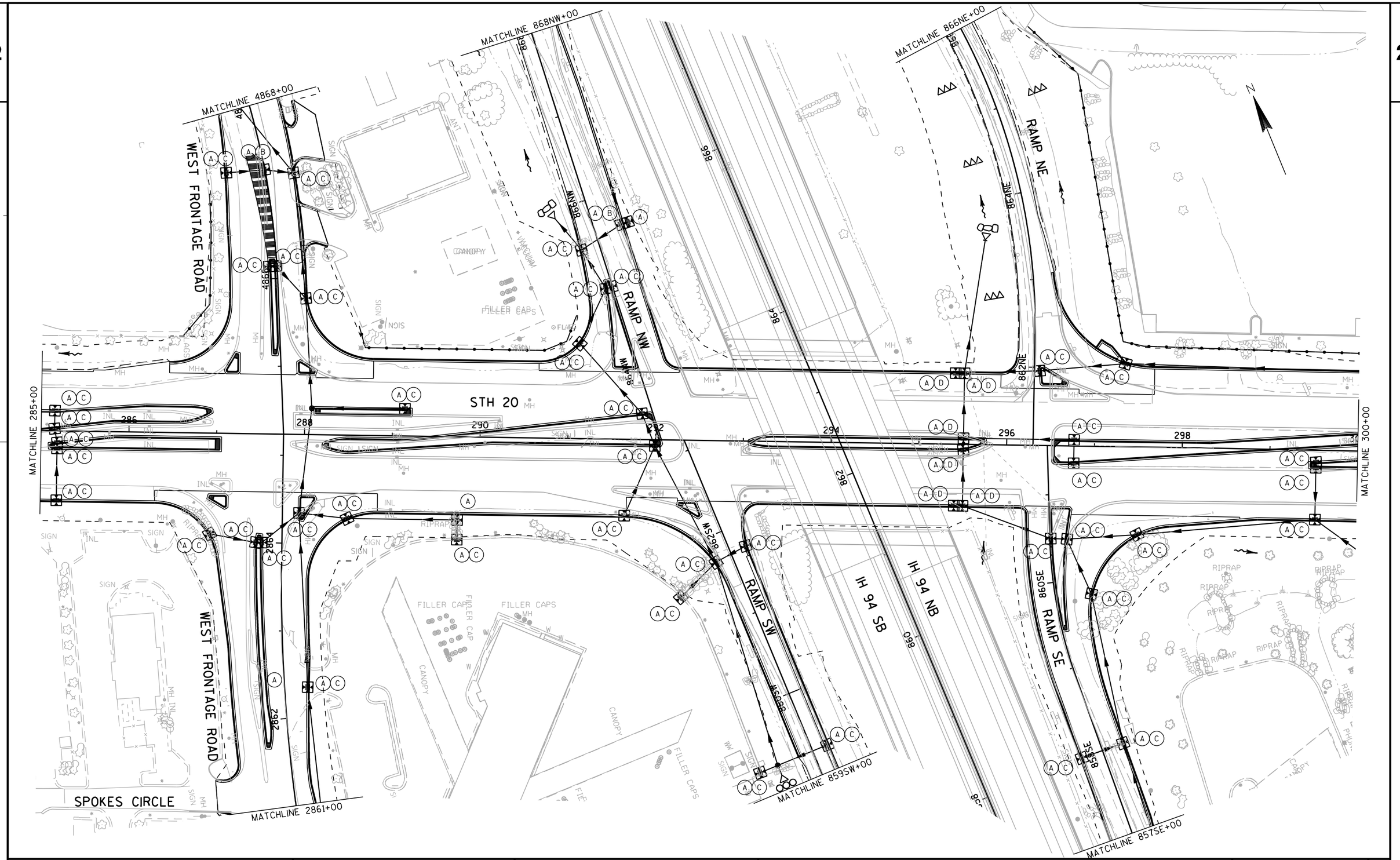
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_142	E

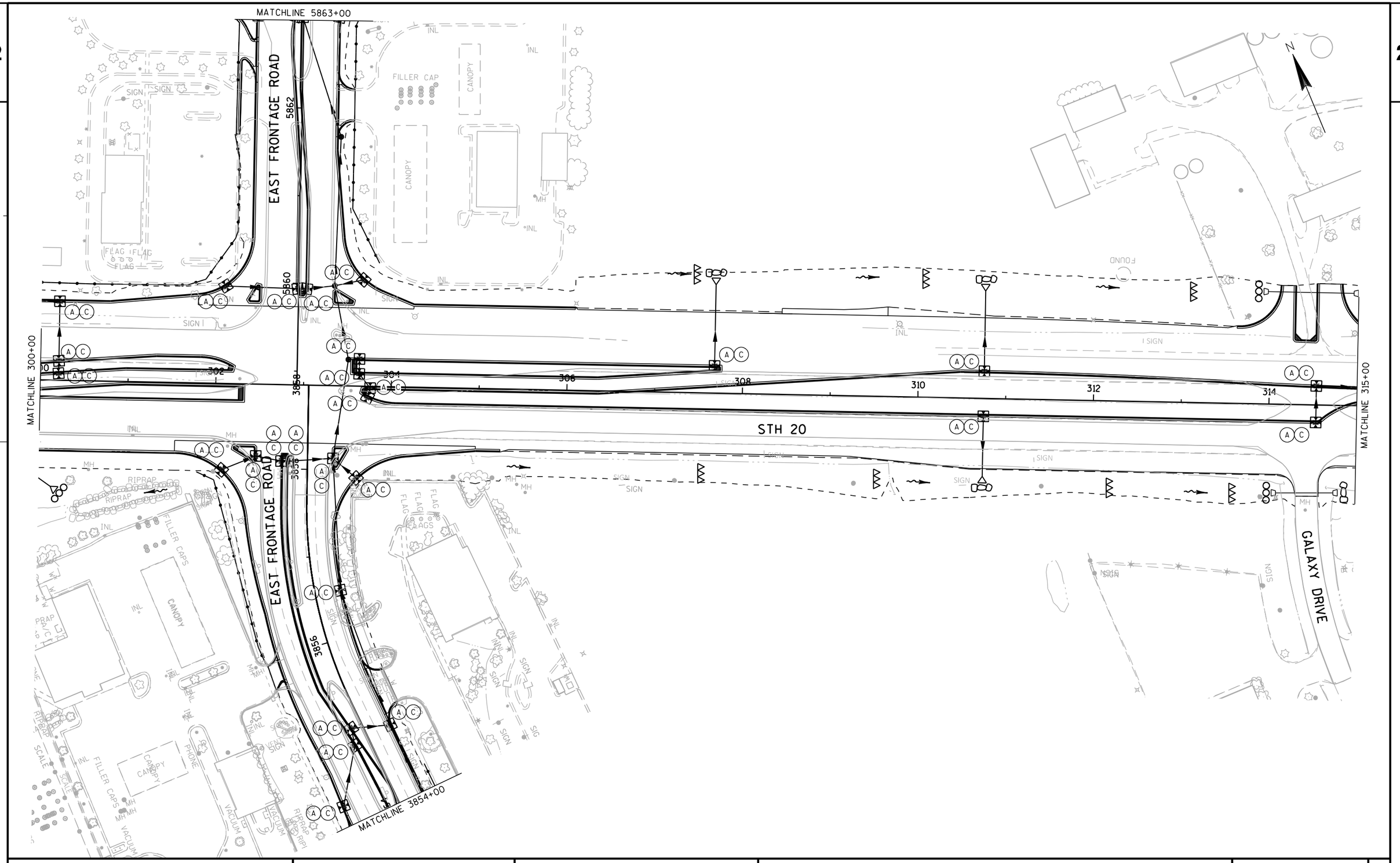
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022052_ec.dgn PLOT DATE : 18-AUG-2019 21:32 PLOT BY : MSCD1S PLOT NAME : 022052_ec PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_143	E

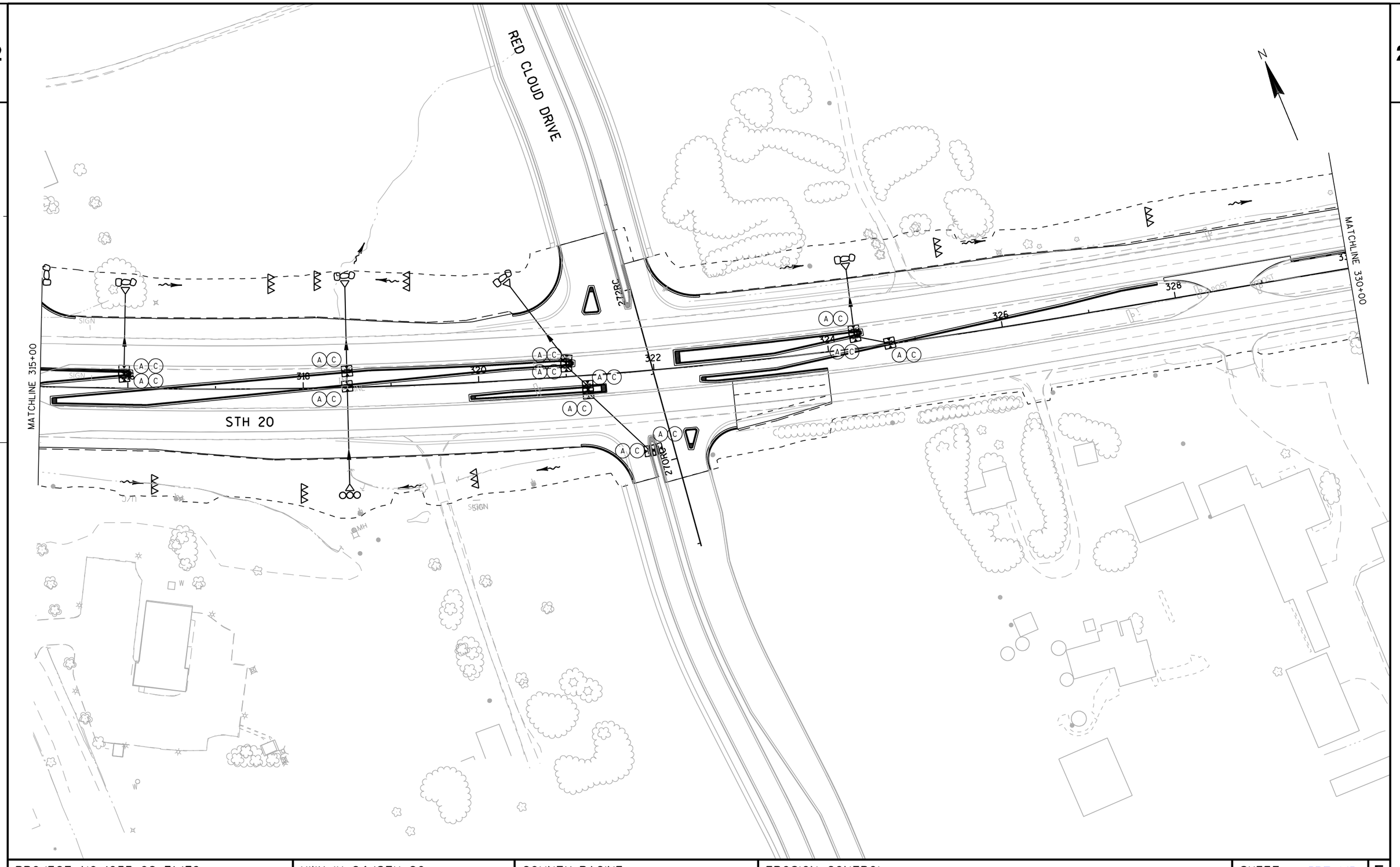
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_144	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022054_ec.dgn PLOT DATE : 18-AUG-2019 21:32 PLOT BY : MSCD1S PLOT NAME : 022054_ec PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_145	E

2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_146	E

2

MATCHLINE 2861+00

MATCHLINE 859SW+00

MATCHLINE 857SE+00

2862

2858

2856

2854

2852

WEST FRONTAGE ROAD

859SW

859SW

RAMP SW

856

854

852

850

IH 94 SB

IH 94 NB

RAMP SE

858SE

858SE

854SE

852SE

850SE

848SE

N

SIGN

INL

MH

FILLER CAPS

RIPRAP

SCALE

U/C

FLAG

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_147	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022058_ec.dgn PLOT DATE : 18-AUG-2019 21:32 PLOT BY : MSCD1S PLOT NAME : 022058_ec PLOT SCALE : 100:1

2

EAST FRONTAGE ROAD

WEST FRONTAGE ROAD

RAMP NE

RAMP NW

IH 94 NB

IH 94 SB

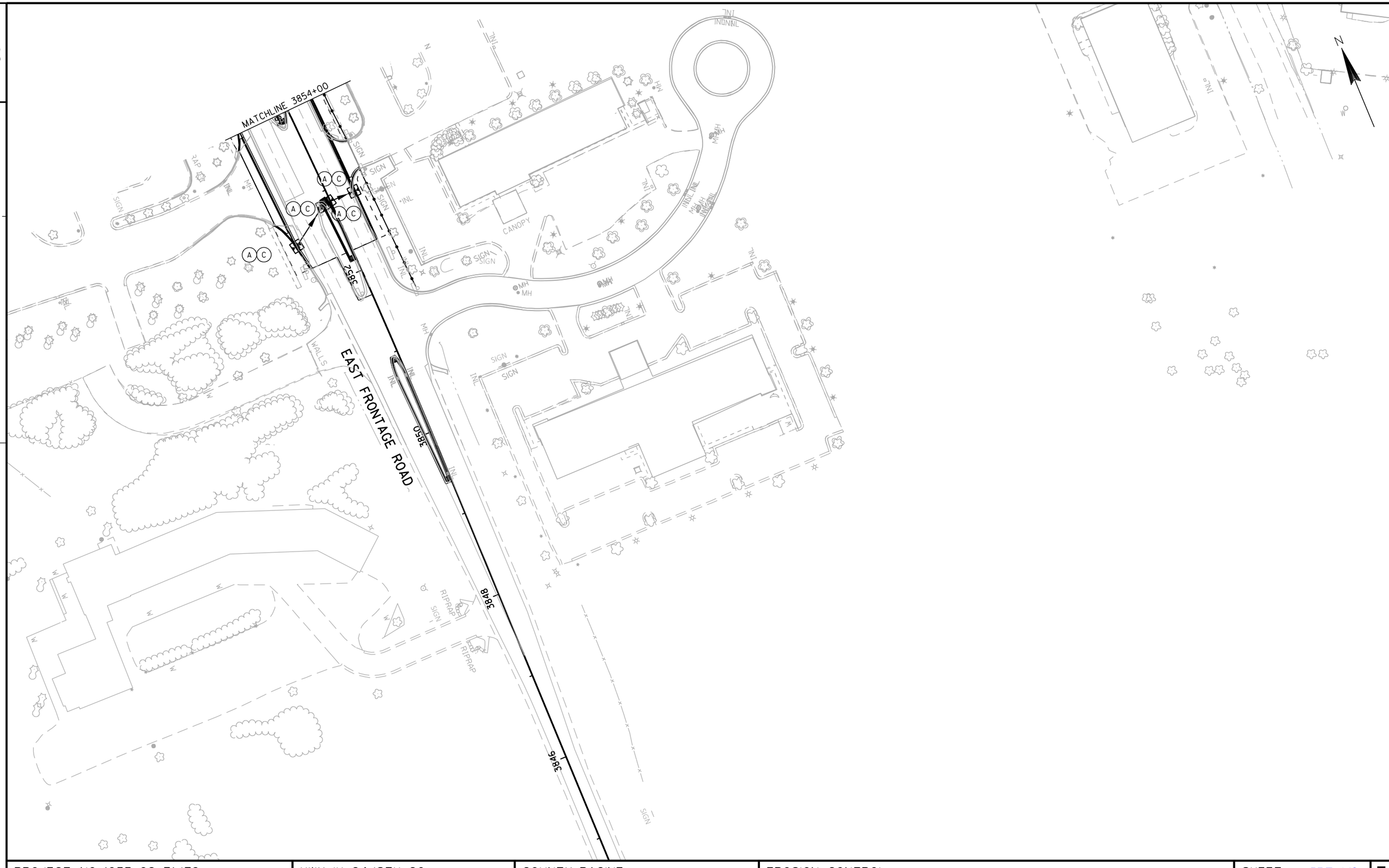
MATCHLINE 4868+00

MATCHLINE 868NW+00

MATCHLINE 866NE+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACIRE	EROSION CONTROL	SHEET PRE_148	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022059_ec.dgn PLOT DATE : 18-AUG-2019 21:32 PLOT BY : MSCD1S PLOT NAME : 022059_ec PLOT SCALE : 100:1



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_149	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022060_ec.dgn PLOT DATE : 18-AUG-2019 21:32 PLOT BY : MSCD1S PLOT NAME : 022060_ec PLOT SCALE : 100:1

2

N

5870

5868

5866

5864

EAST FRONTAGE ROAD

KILBOURN DRIVE

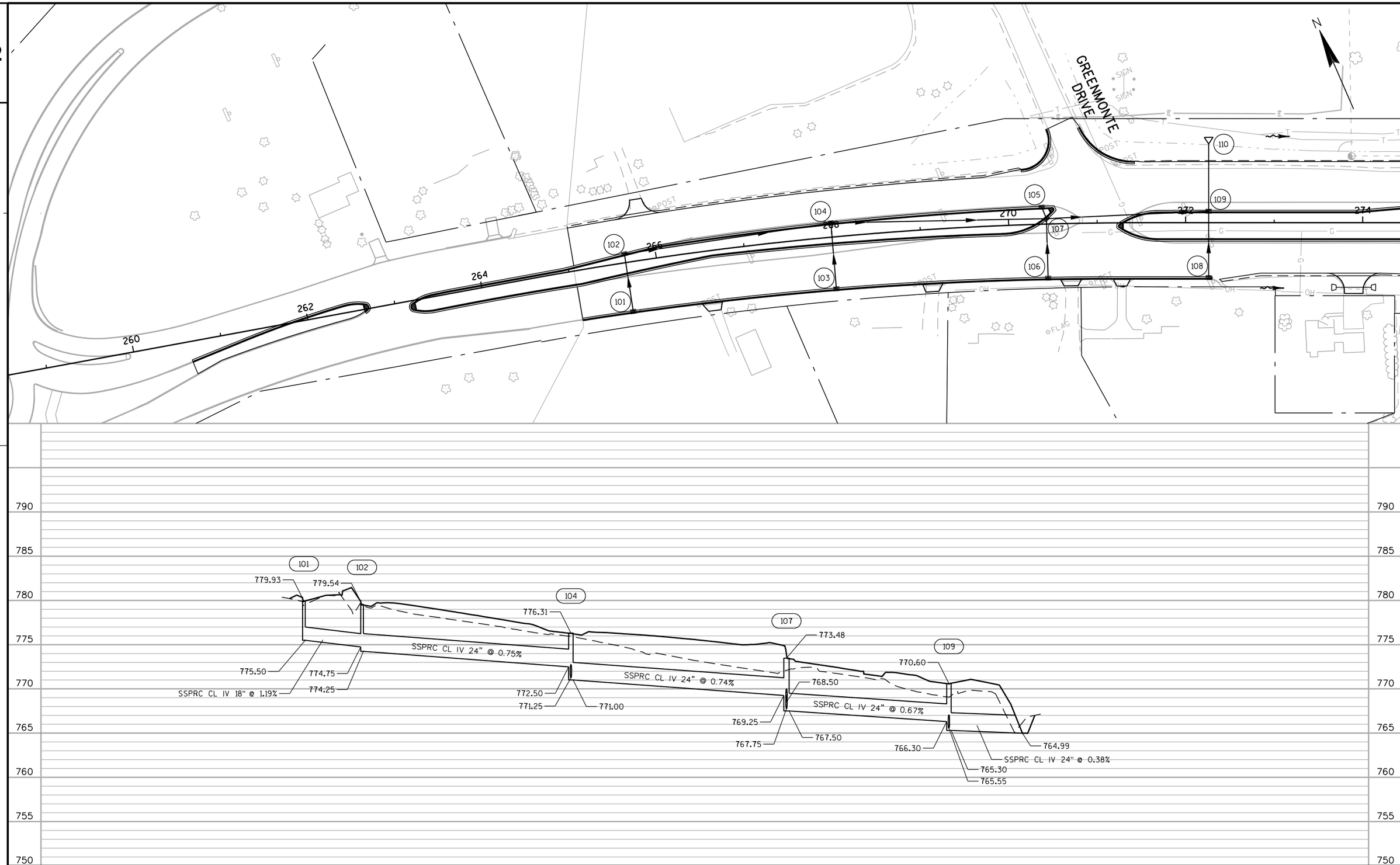
MH

MH

SIGN

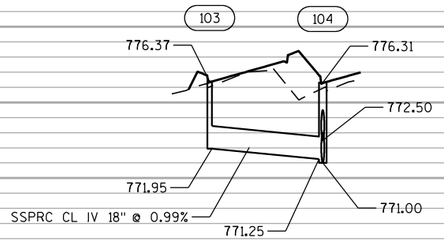
MATCHLINE 5863+00

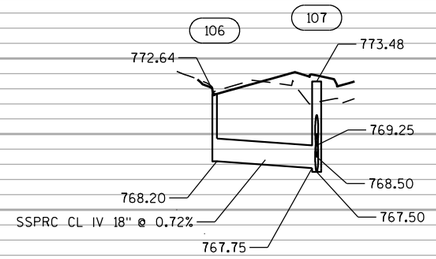
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	EROSION CONTROL	SHEET PRE_150	E

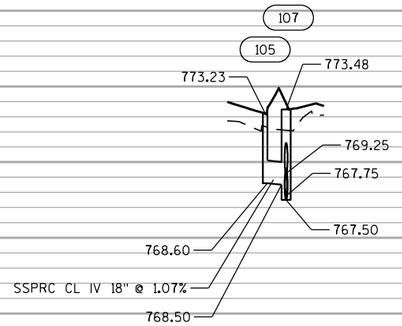


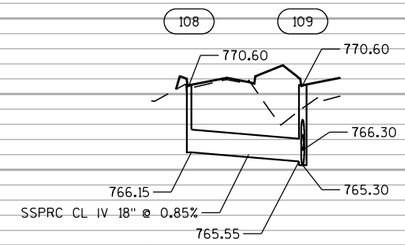
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_151	E

790
785
780
775
770
765
760
755
750





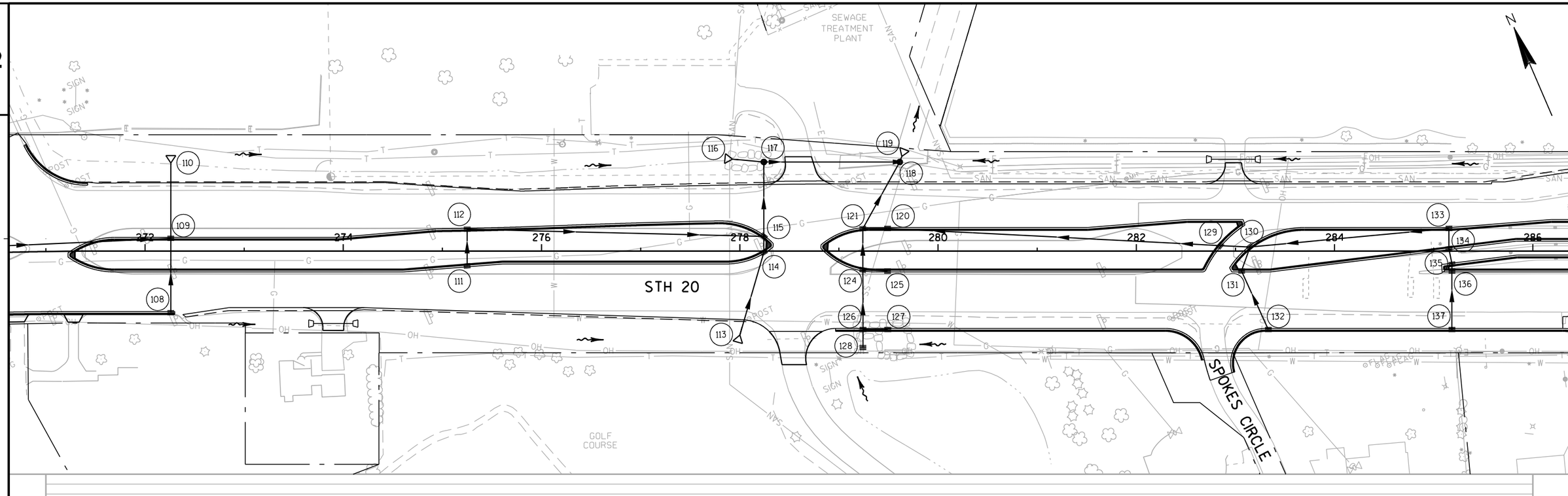




790
785
780
775
770
765
760
755
750

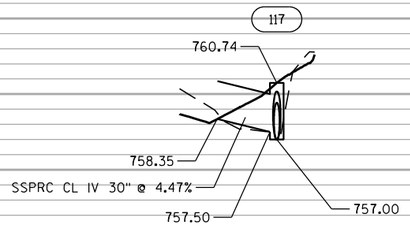
2

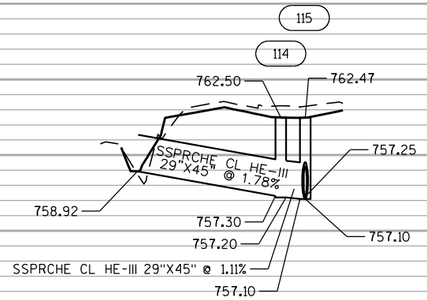
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_152	E

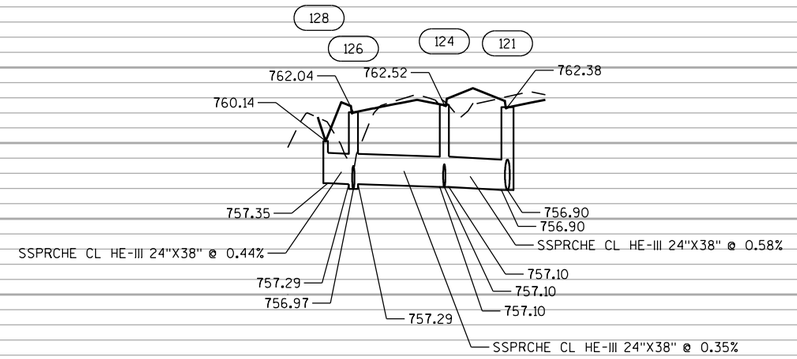


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_153	E

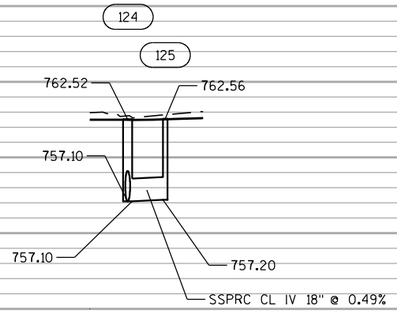
780 775 770 765 760 755 750 745 740

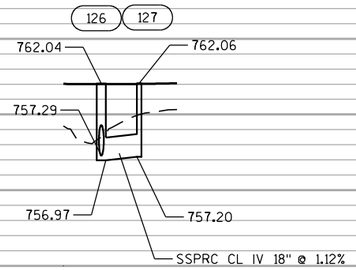


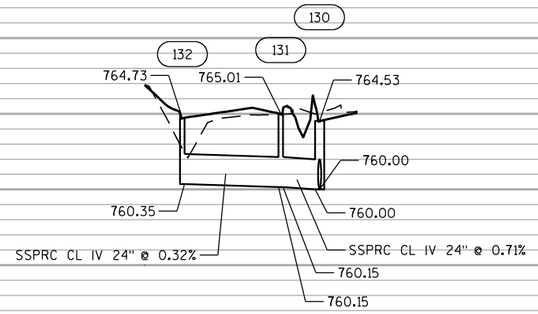




780 775 770 765 760 755 750 745 740

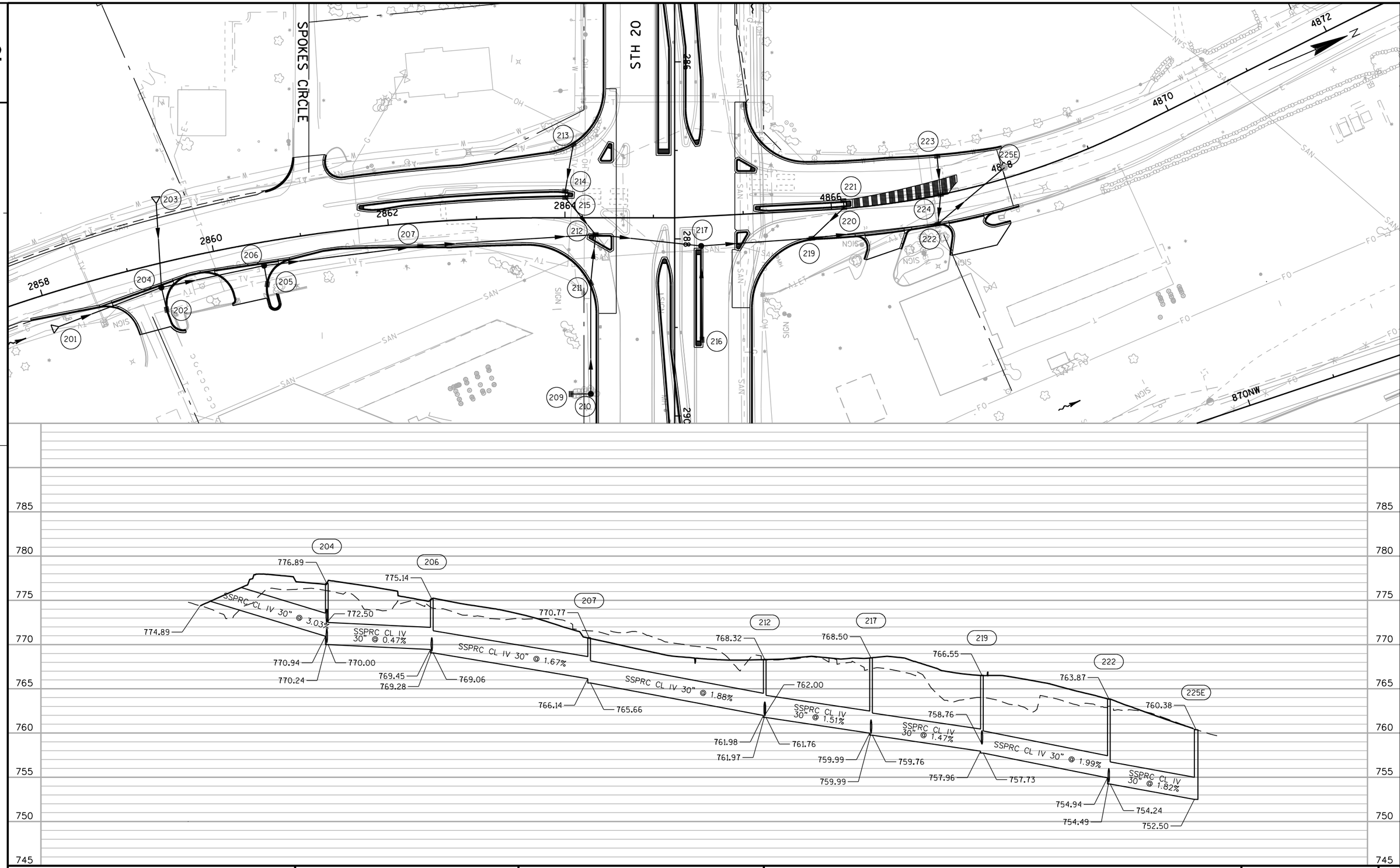






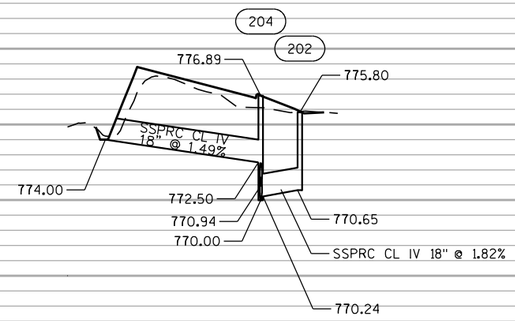
780 775 770 765 760 755 750 745 740

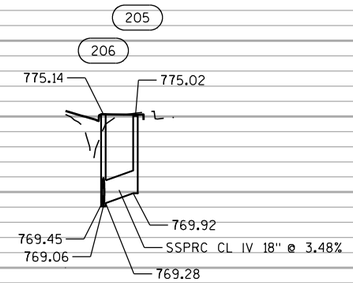
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_154	E

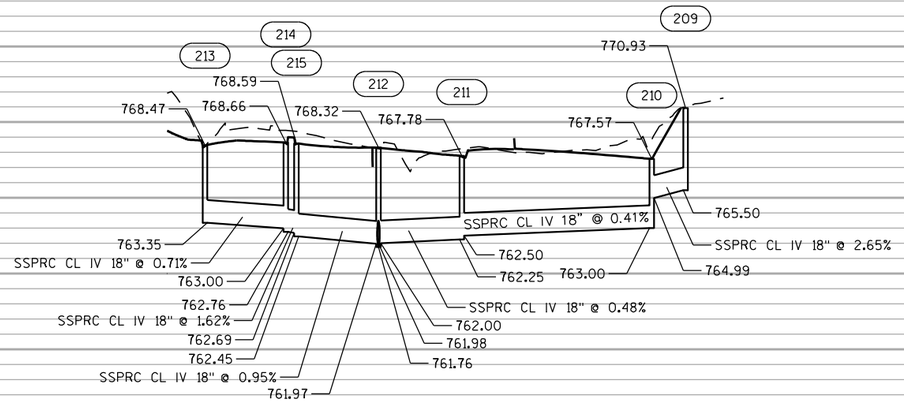


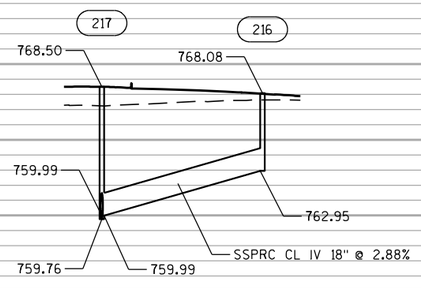
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_155	E

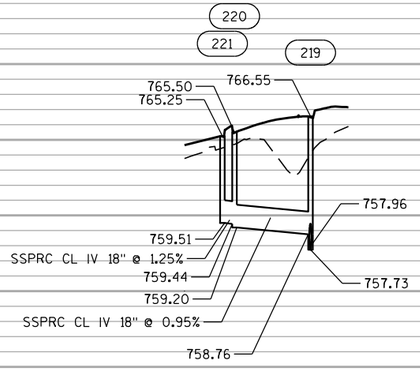
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022503_ss.dgn PLOT DATE : 19-AUG-2019 18:55 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

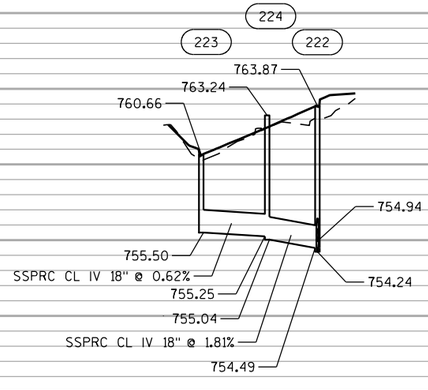




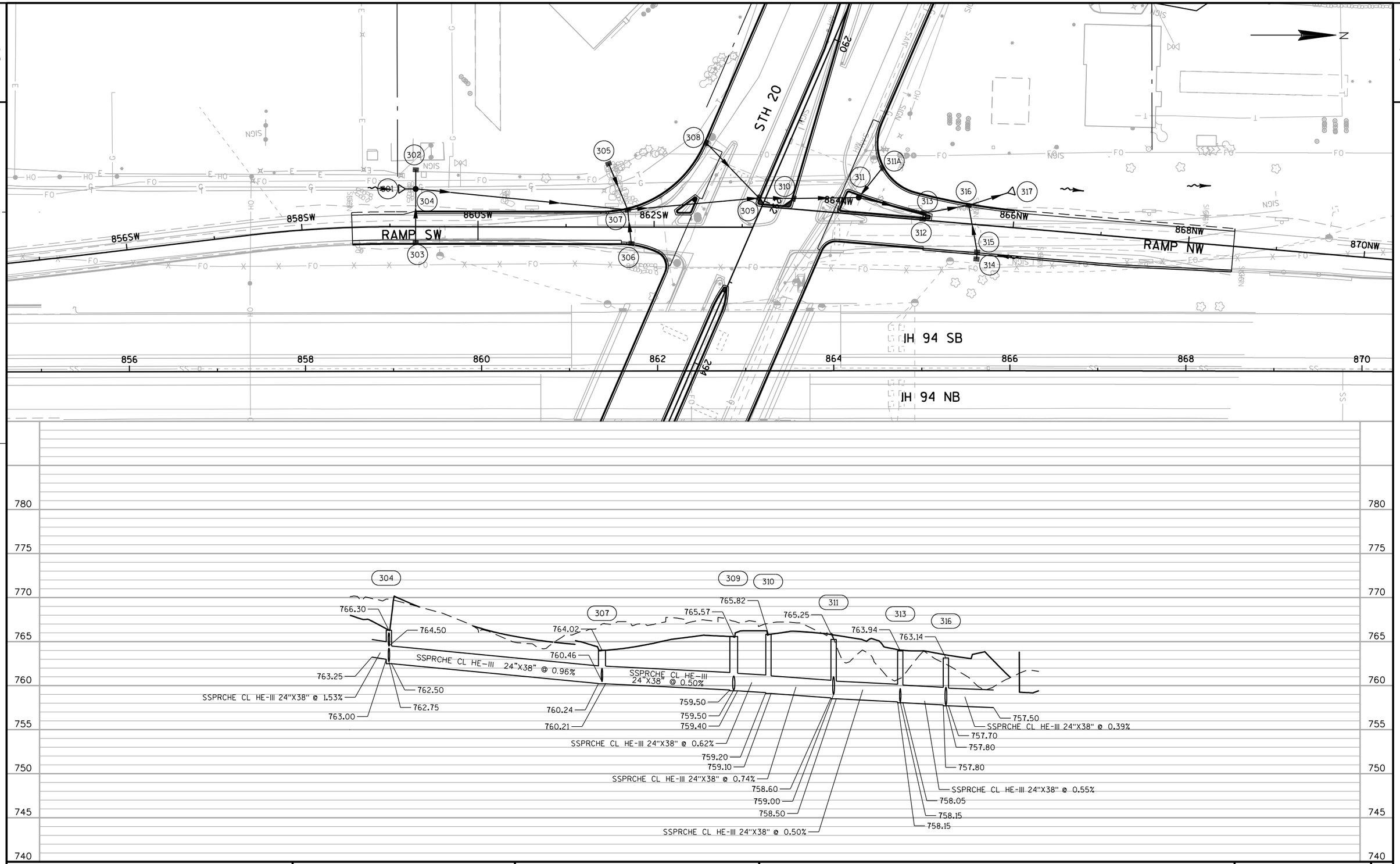








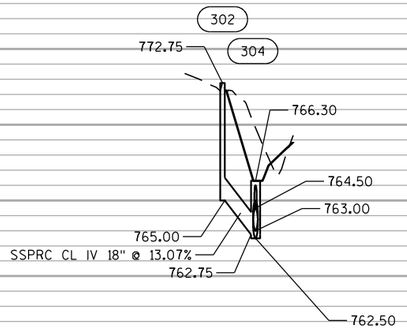
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_156	E

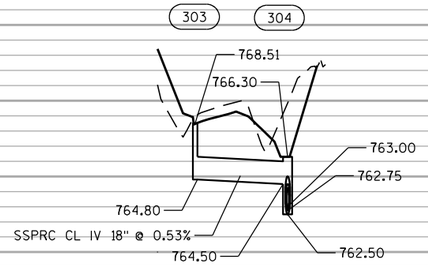


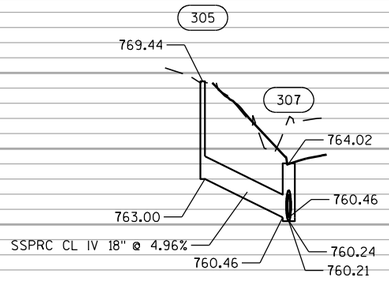
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_157	E

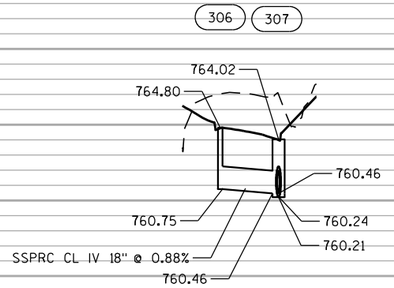
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022504_ss.dgn PLOT DATE : 19-AUG-2019 19:00 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

780 775 770 765 760 755 750 745 740

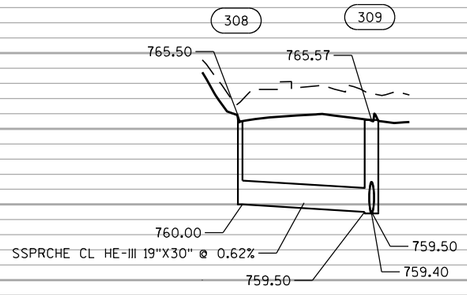


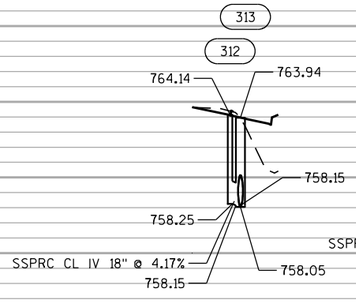


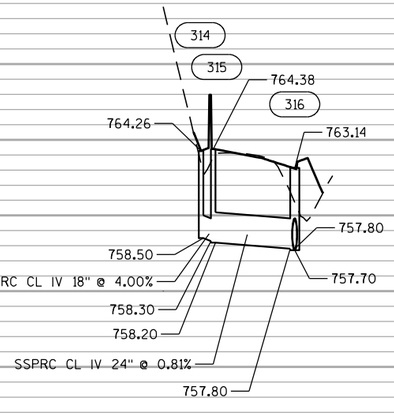


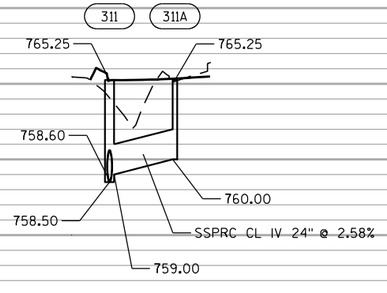


780 775 770 765 760 755 750 745 740



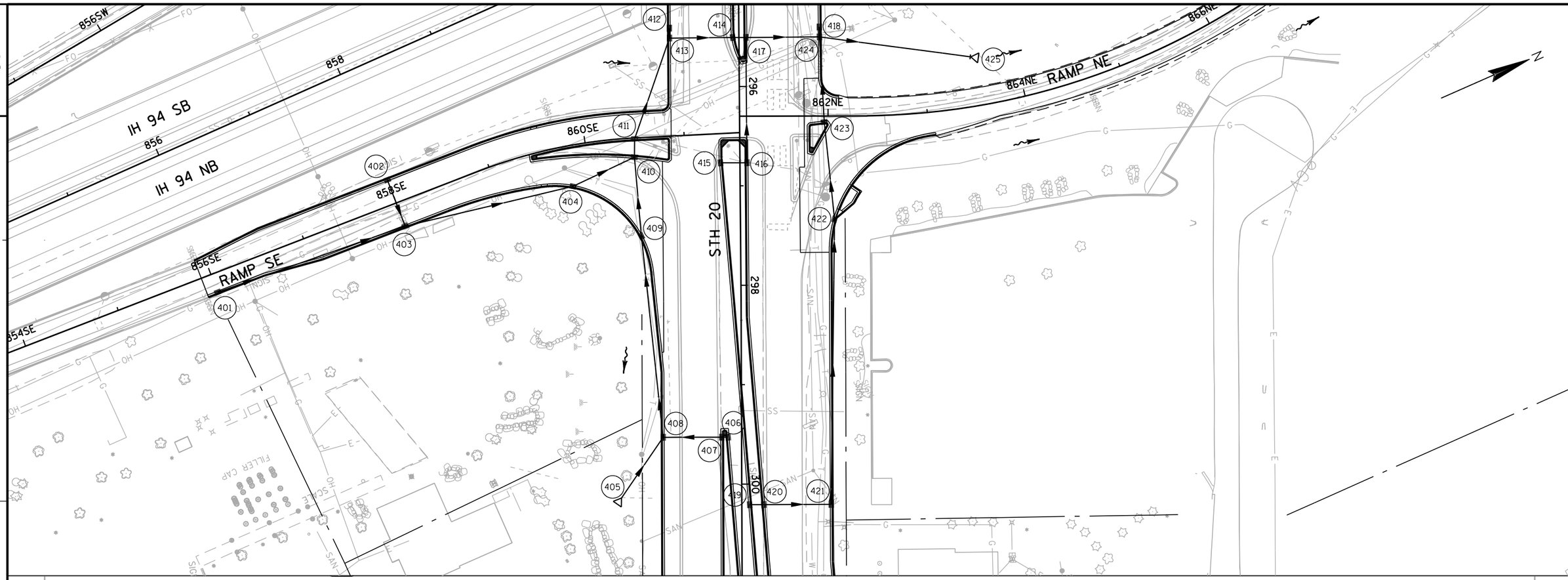


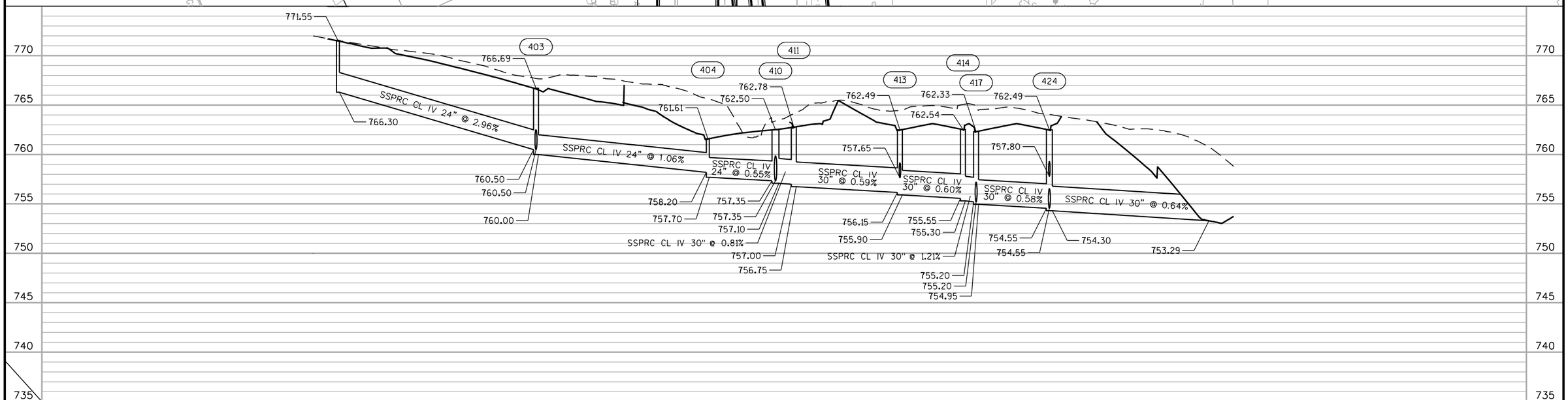




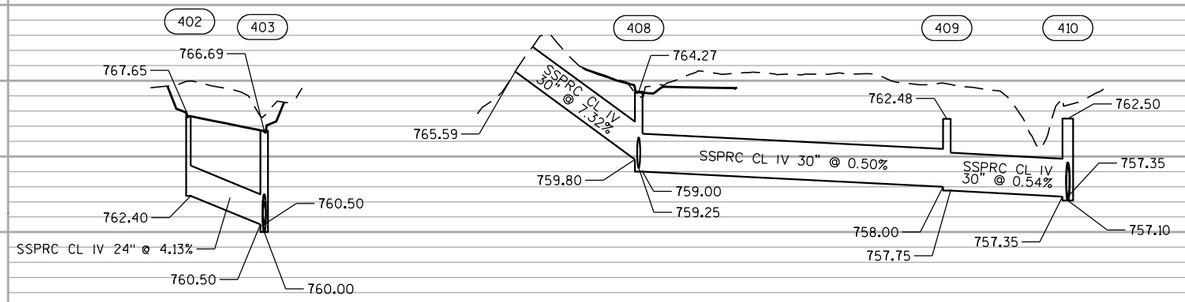
780 775 770 765 760 755 750 745 740

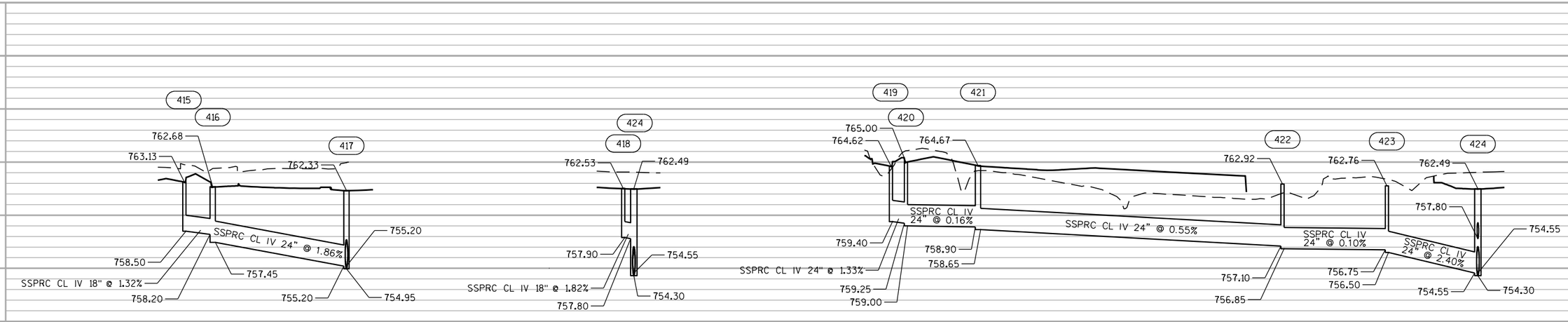
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_158	E



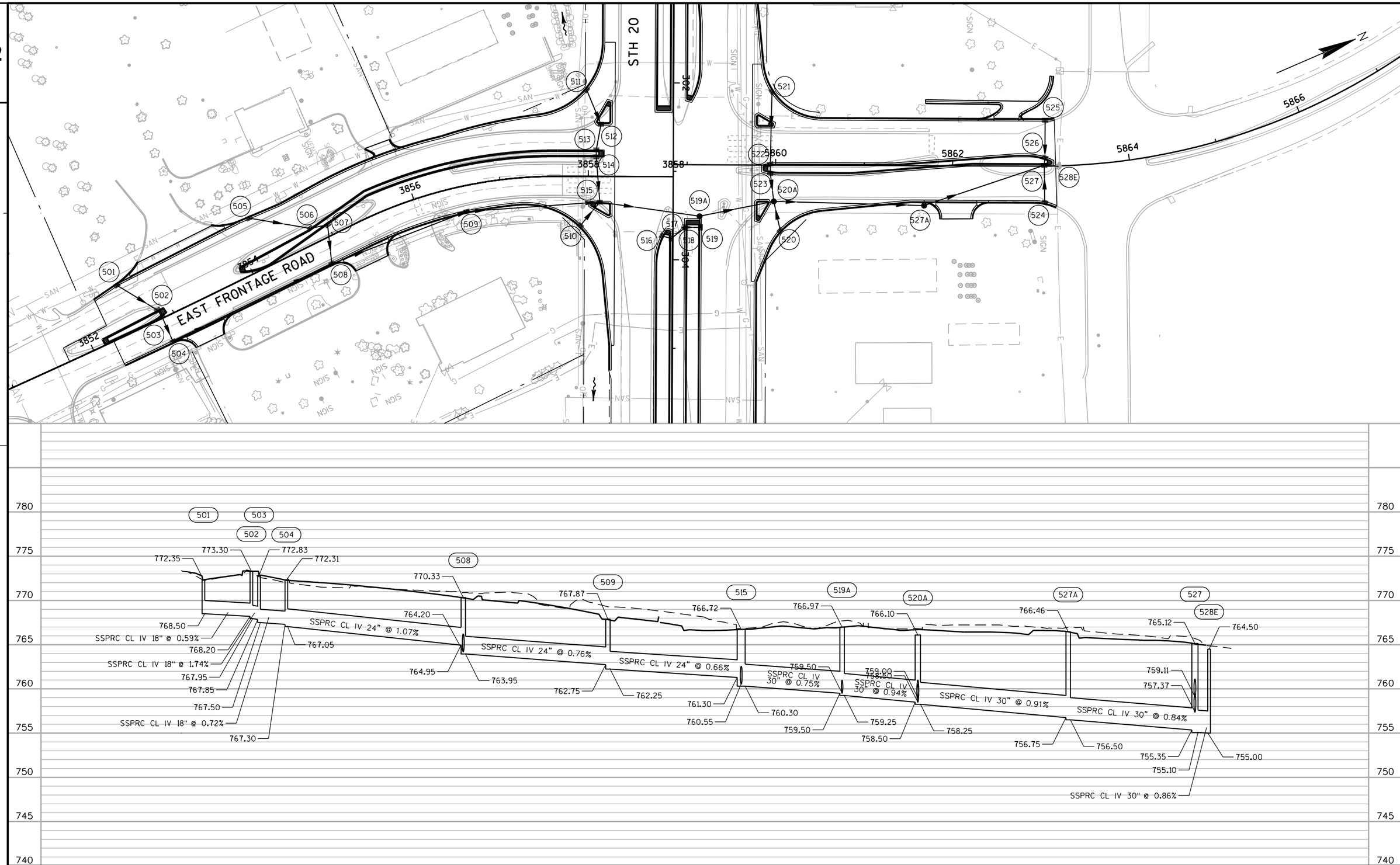


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_159	E





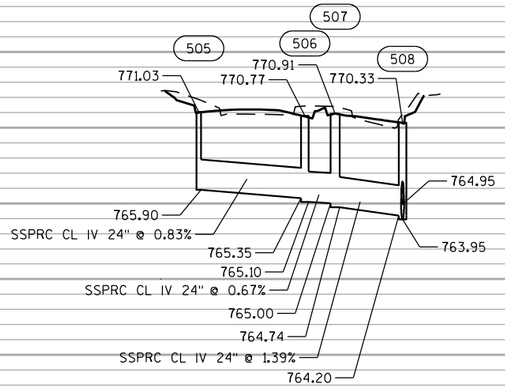
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_160	E

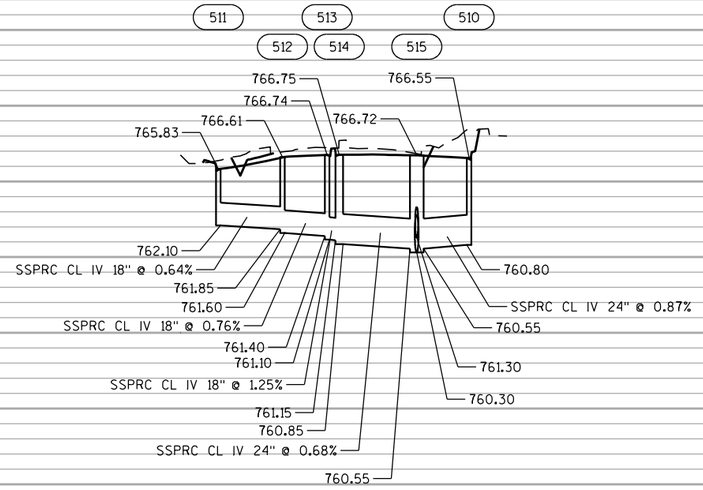


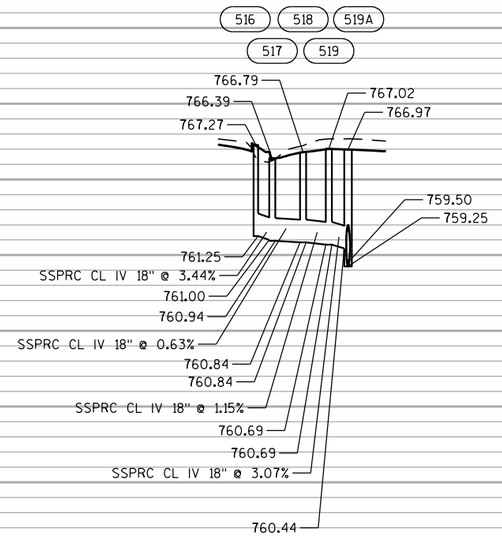
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_161	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022506_ss.dgn PLOT DATE : 19-AUG-2019 17:53 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

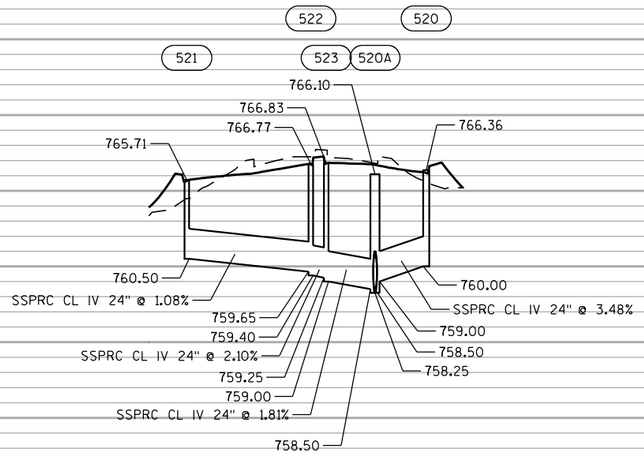
780 775 770 765 760 755 750 745 740

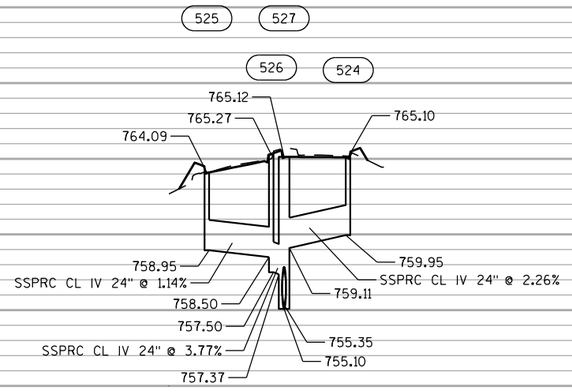






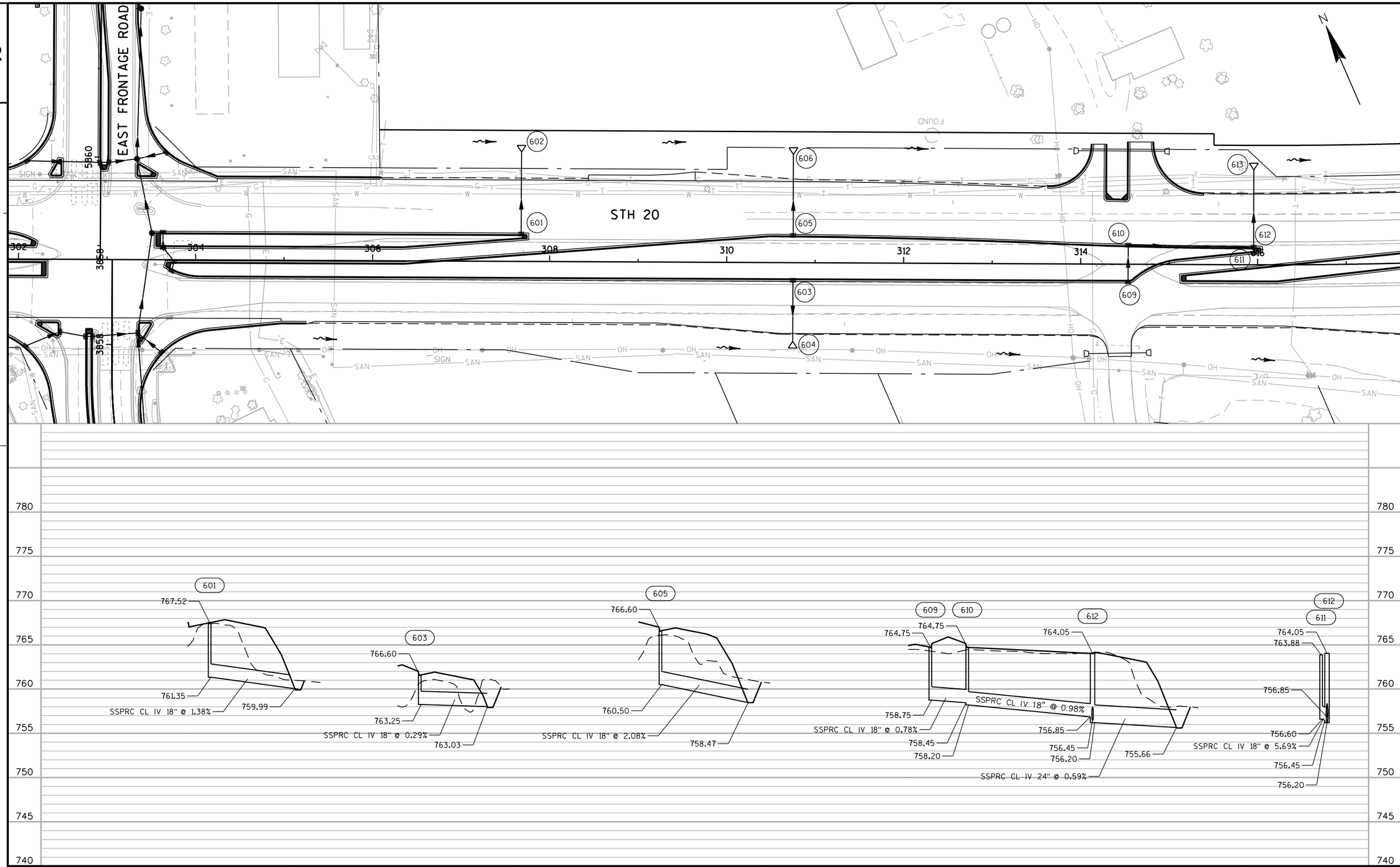
780 775 770 765 760 755 750 745 740





780 775 770 765 760 755 750 745 740

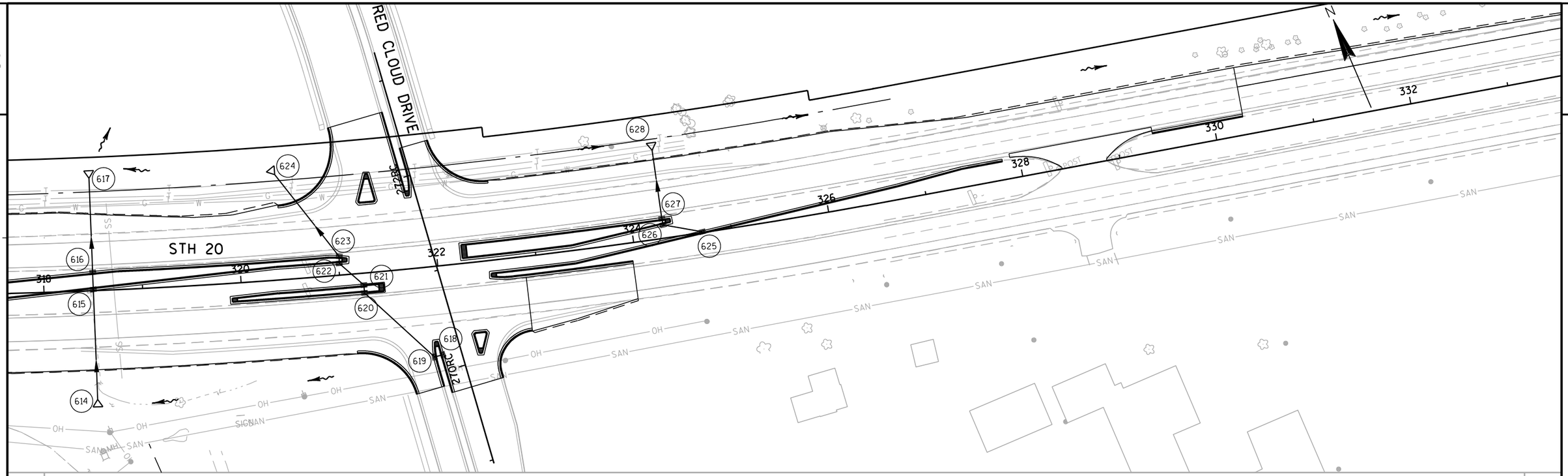
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_162	E

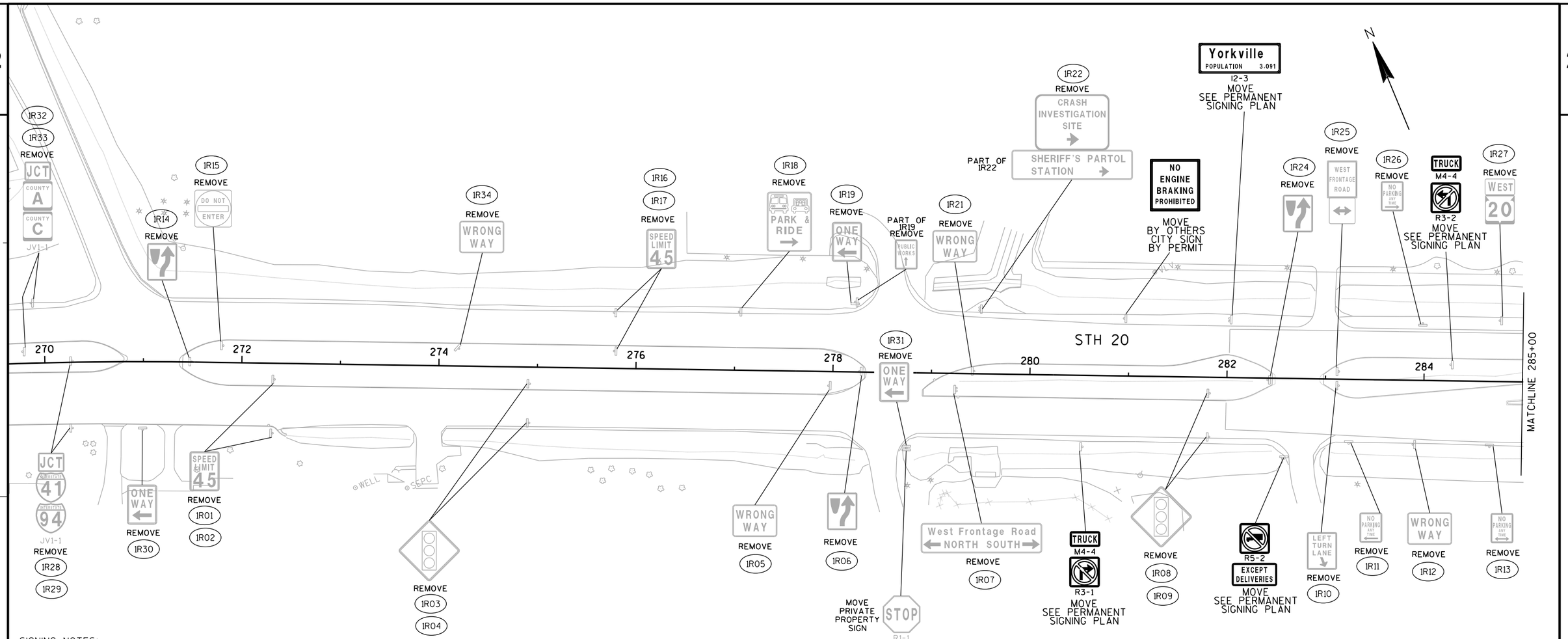


780 775 770 765 760 755 750 745 740

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STORM SEWER	SHEET PRE_163	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\022507_ss.dgn PLOT DATE : 19-AUG-2019 17:54 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1


RED CLOUD DRIVE
STH 20
N
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
310
320
322
324
326
328
330
332
SAN
OH
SIGN
SAN MH
STORM MH
SSCO
SSCO
SSCO



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

SIGNING COUNTY COORDINATOR	COUNTY(S)	PHONE #
DENNIS NEWTON	MILWAUKEE	414-750-0257
ANDRE CHAPMAN	RACINE	414-531-2635
JENNY BUCKETT	KENOSHA, WASHINGTON, OZAUKEE	414-750-2427
CHUCK SALDIVAR	WALWORTH, WAUKESHA	414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (GENERAL PHONE # 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.

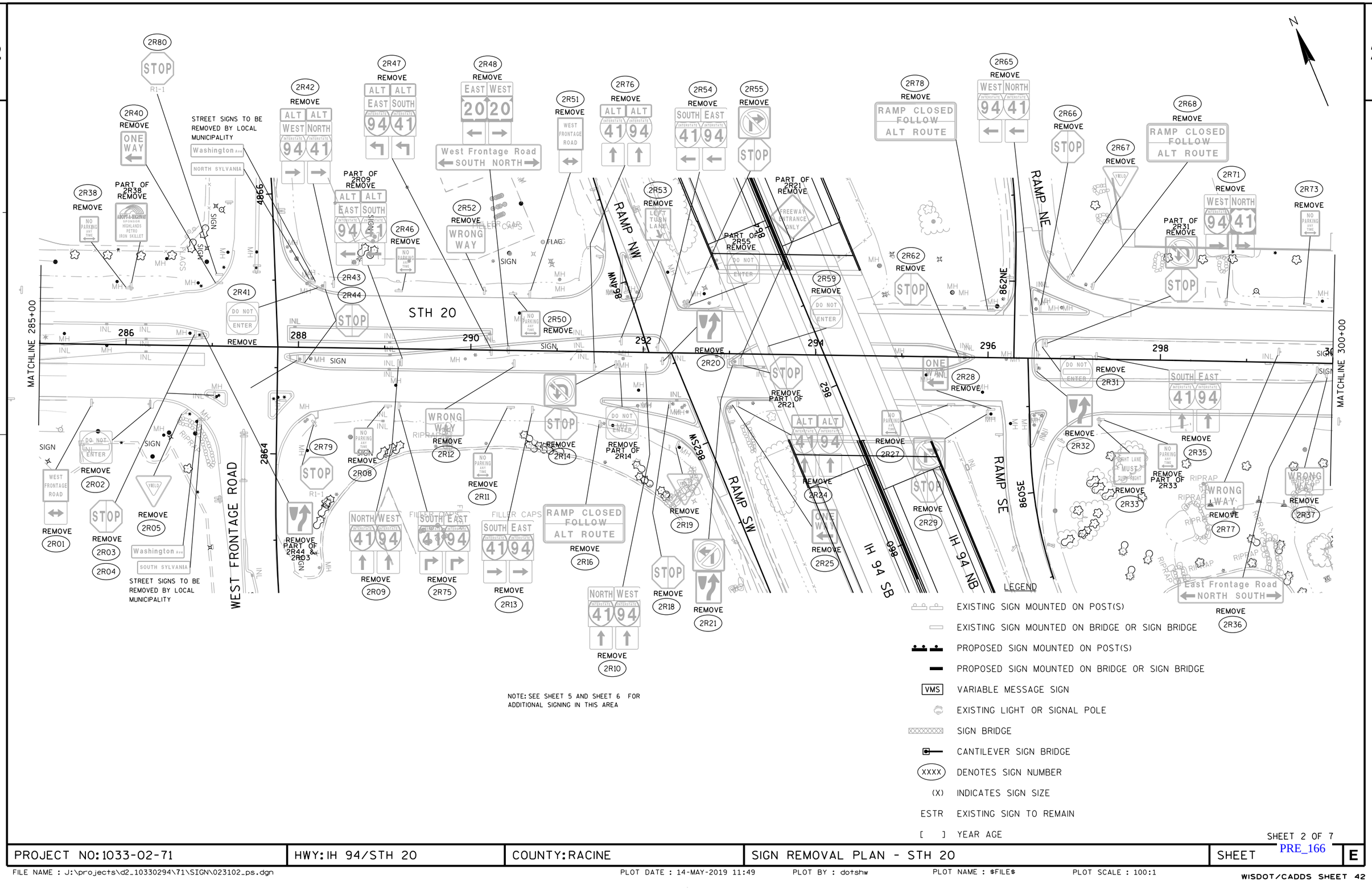
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- [ ] — YEAR AGE

SHEET 1 OF 7

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - STH 20	SHEET E

PRE_165



SHEET 2 OF 7

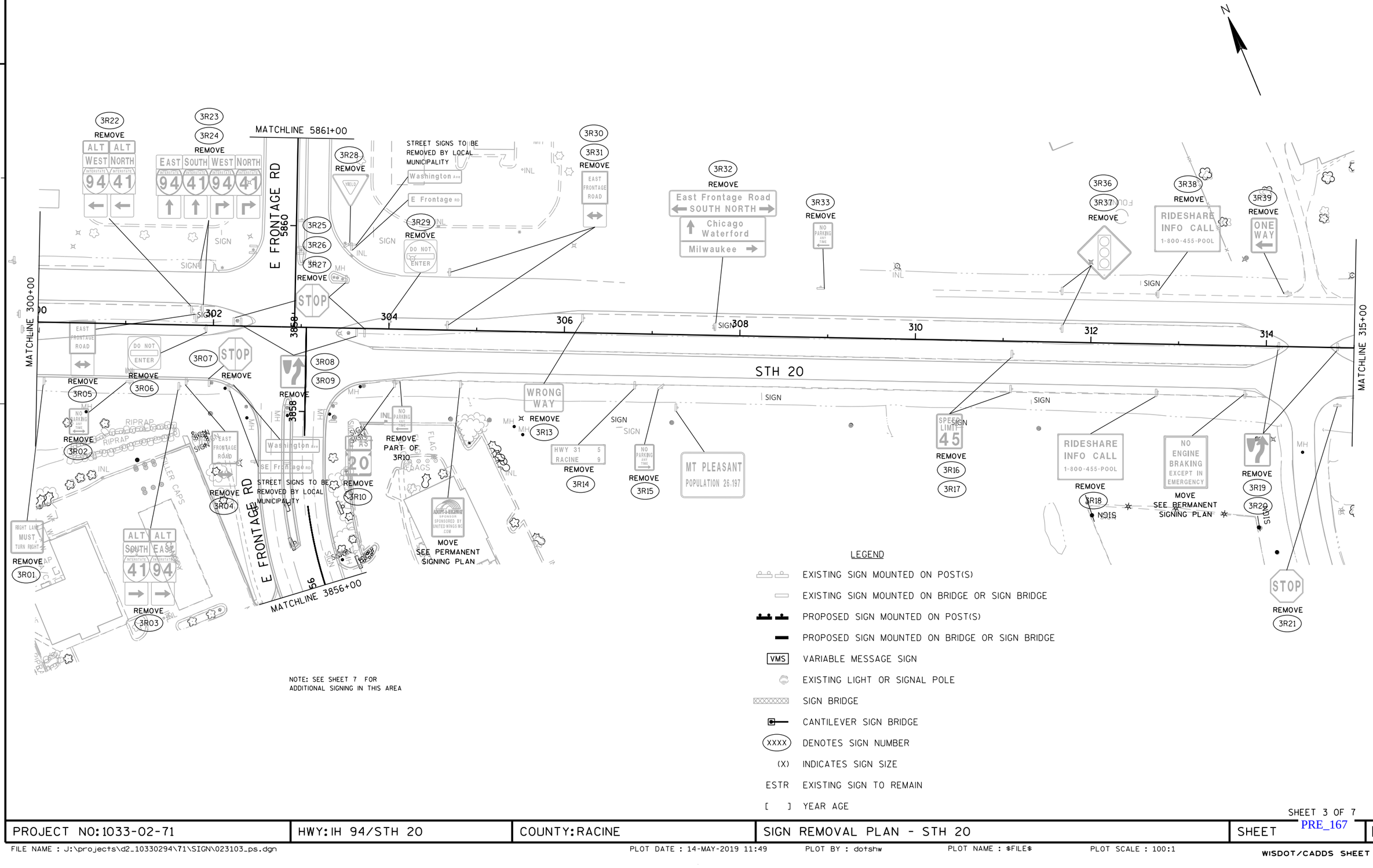
PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - STH 20	SHEET E

PRE_166

FILE NAME : J:\projects\d2_10330294\71\SIGN\023102_ps.dgn PLOT DATE : 14-MAY-2019 11:49 PLOT BY : dotshw PLOT NAME : $FILE$ PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- [ ] — YEAR AGE

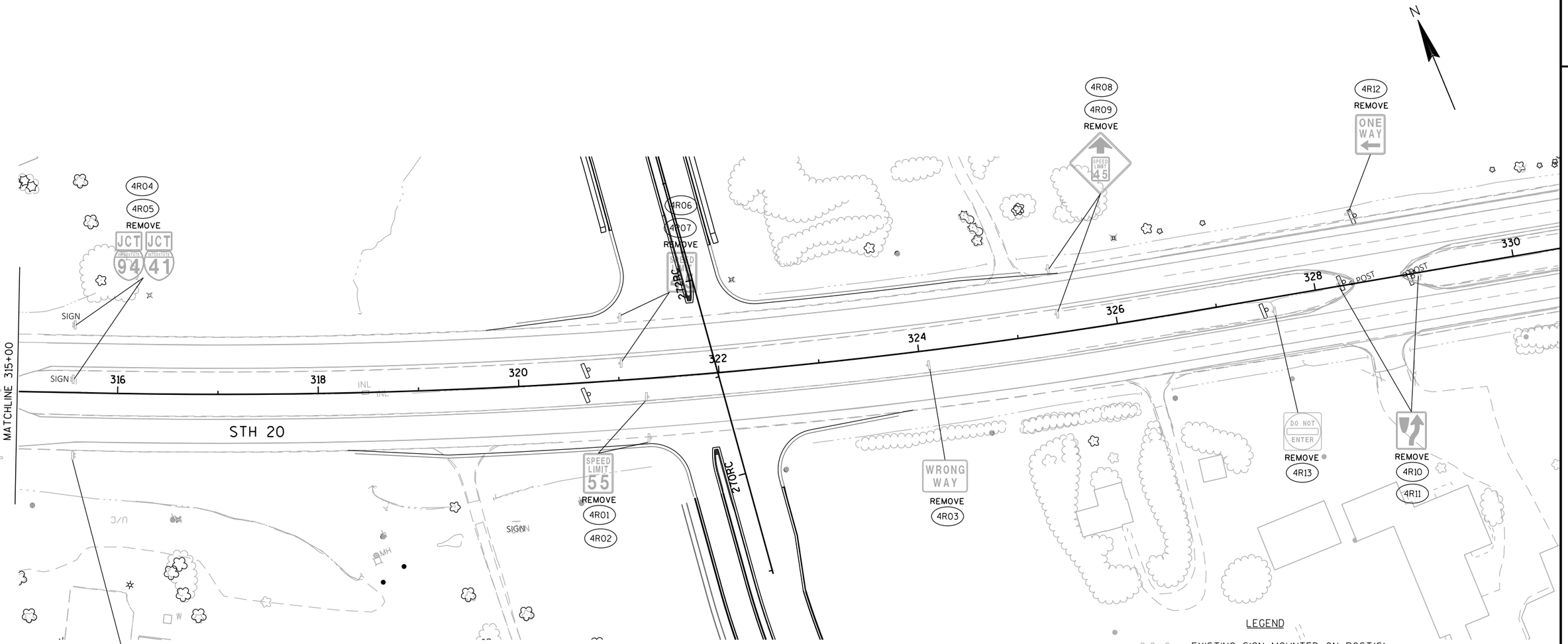
SHEET 3 OF 7

PRE_167

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - STH 20	SHEET E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023103_ps.dgn PLOT DATE : 14-MAY-2019 11:49 PLOT BY : dotshw PLOT NAME : $FILE$ PLOT SCALE : 100:1

2



LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR AGE

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - STH 20	SHEET	E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023104_ps.dgn
PLOT DATE : 14-MAY-2019 11:49
PLOT BY : dotshw
PLOT NAME : $FILE$
PLOT SCALE : 100:1
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
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- [ ] — YEAR AGE

2

2

N

5R59 REMOVE — NOTE: SEE SHEET 2 FOR ADDITIONAL SIGNING IN THIS AREA

5R58 REMOVE — NO PARKING ON RAMP (EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES)

5R39 REMOVE — NO PARKING ANY TIME

5R40 REMOVE — PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED

5R41 REMOVE — NO PARKING ANY TIME

5R31 REMOVE — WRONG WAY

5R42 REMOVE — STOP

5R43 REMOVE — YIELD

5R44 REMOVE — EAST 2020 WEST

[2016] *TOURIST INFORMATION 0.2 MILE — MOVE SEE PERMANENT SIGNING PLAN

[2017] Frank Lloyd Wright Design Buildings Wingspread SC Johnson — MOVE SEE PERMANENT SIGNING PLAN

5R49 REMOVE — PARK & RIDE; NO PARKING ANY TIME

5R65 5R66 — ONLY ONLY

5R62 5R63 REMOVE — WRONG WAY

5R67 — ONLY ONLY

290

292

294

296

298

854SW 856SW 858SW 860SW 862SW 864NW 866NW 868NW

RAMP SW

RAMP NW

5R61 REMOVE — ONE WAY

RAMP CLOSED FOLLOW ALT ROUTE

5R18 REMOVE — CRASH INVESTIGATION SITE

[2016] MOVE SEE PERMANENT SIGNING PLAN — Sherrifs Substation

5R26 REMOVE

5R27 REMOVE — NO PARKING ANY TIME

5R28 REMOVE — NO PARKING ANY TIME

5R30 REMOVE — DO NOT ENTER

5R33 REMOVE — NO PARKING ANY TIME

Amtrak Station

5R34 REMOVE

5R32 REMOVE — LEFT LANE MUST TURN LEFT

5R35 REMOVE — NO PARKING ANY TIME

GAS — MOVE BY OTHERS WISC BUSINESS LOGOS 608-579-1570

854 856 858 860 862 864 866 868

MOVE SEE PERMANENT SIGNING PLAN — Yorkville

MOVE SEE PERMANENT SIGNING PLAN — TOURIST INFORMATION

5R52 REMOVE — Amtrak Station

5R19 REMOVE — WRONG WAY

5R60 REMOVE — PARK & RIDE

REMOVE PART OF 5R08 & 5R09 — STOP

5R21 5R22 REMOVE — LEFT LANE MUST TURN LEFT; NO PARKING ANY TIME

[2016] Racine Mt Pleasant Waterford Sheriff's Substation — MOVE SEE PERMANENT SIGNING PLAN

5R23 REMOVE — RAMP CLOSED FOLLOW ALT ROUTE

5R24 5R25 REMOVE — PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED; FREEWAY ENTRANCE ONLY

854SE 856SE 858SE 860SE 862NE 864NE 866NE 868NE

RAMP SE

RAMP NE

5R50 REMOVE — LODGING ESTR

5R64 — NO PARKING ON RAMP (EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES) R7-64

5R51 REMOVE

ALT WEST EAST NORTH ALT WEST 20 20 41 94

FOOD

MOVE BY OTHERS WISC BUSINESS LOGOS 608-579-1570

MOVE BY OTHERS WISC BUSINESS LOGOS 608-579-1570

Frank Lloyd Wright Design Buildings Wingspread SC Johnson — MOVE SEE PERMANENT SIGNING PLAN [2017]

5R57 REMOVE — Waterford; Racine Mt Pleasant; Gateway Tech College

5R53 REMOVE — TO WEST FRONTAGE ROAD; TO EAST FRONTAGE ROAD

WEST EAST 20 20

5R07 REMOVE — YIELD

5R06 REMOVE

5R08 5R09 5R10 REMOVE — DO NOT ENTER; WRONG WAY

5R11 REMOVE — NO PARKING ANY TIME

5R56 REMOVE — NO PARKING ON RAMP (EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES)

MOVE BY OTHERS WISC BUSINESS LOGOS 608-579-1570

SHEET 5 OF 7

PRE_169

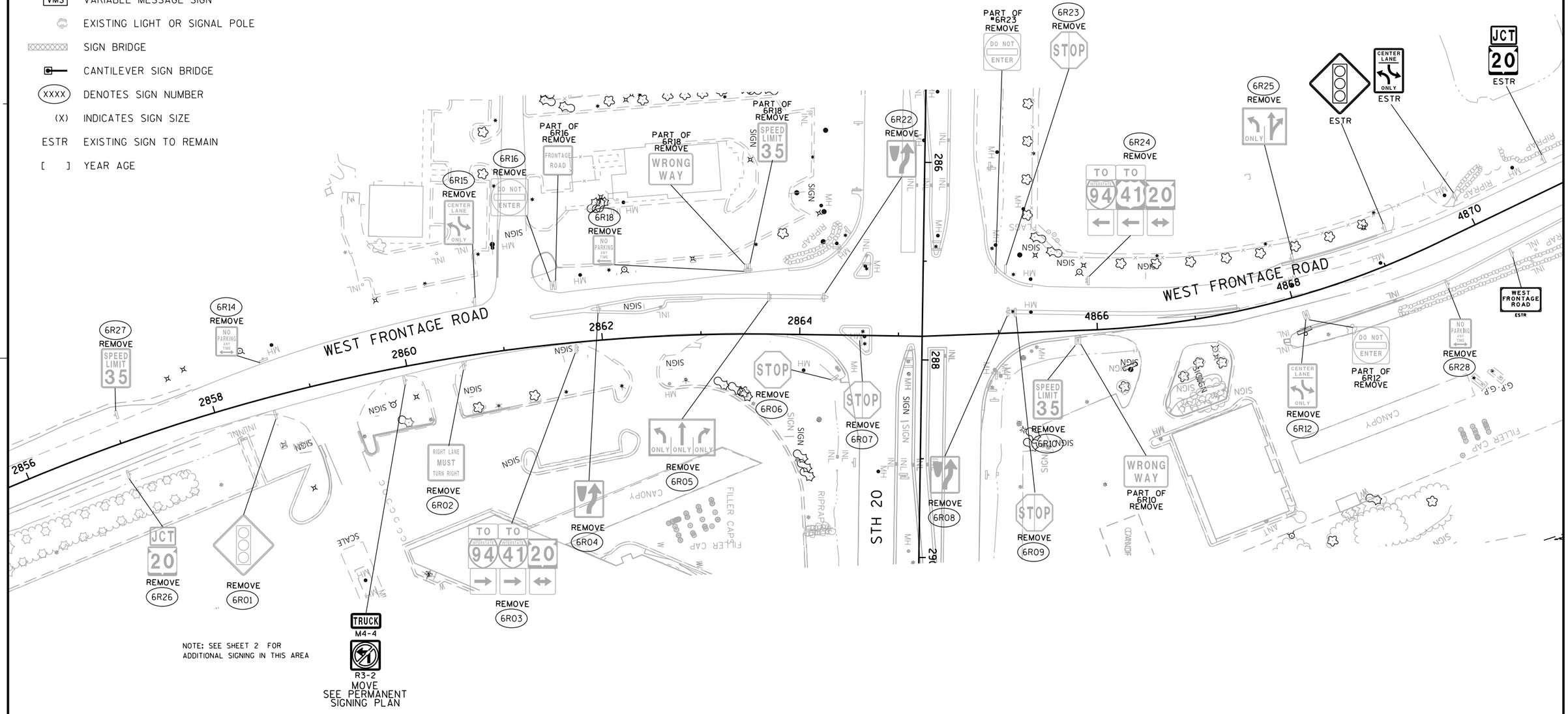
PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - RAMPS	SHEET E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023105_ps.dgn PLOT DATE : 14-MAY-2019 11:50 PLOT BY : dotshw PLOT NAME : $FILE$ PLOT SCALE : 100:1

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
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- [ ] — YEAR AGE



SHEET 6 OF 7

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - WEST FRONTAGE ROAD	SHEET E

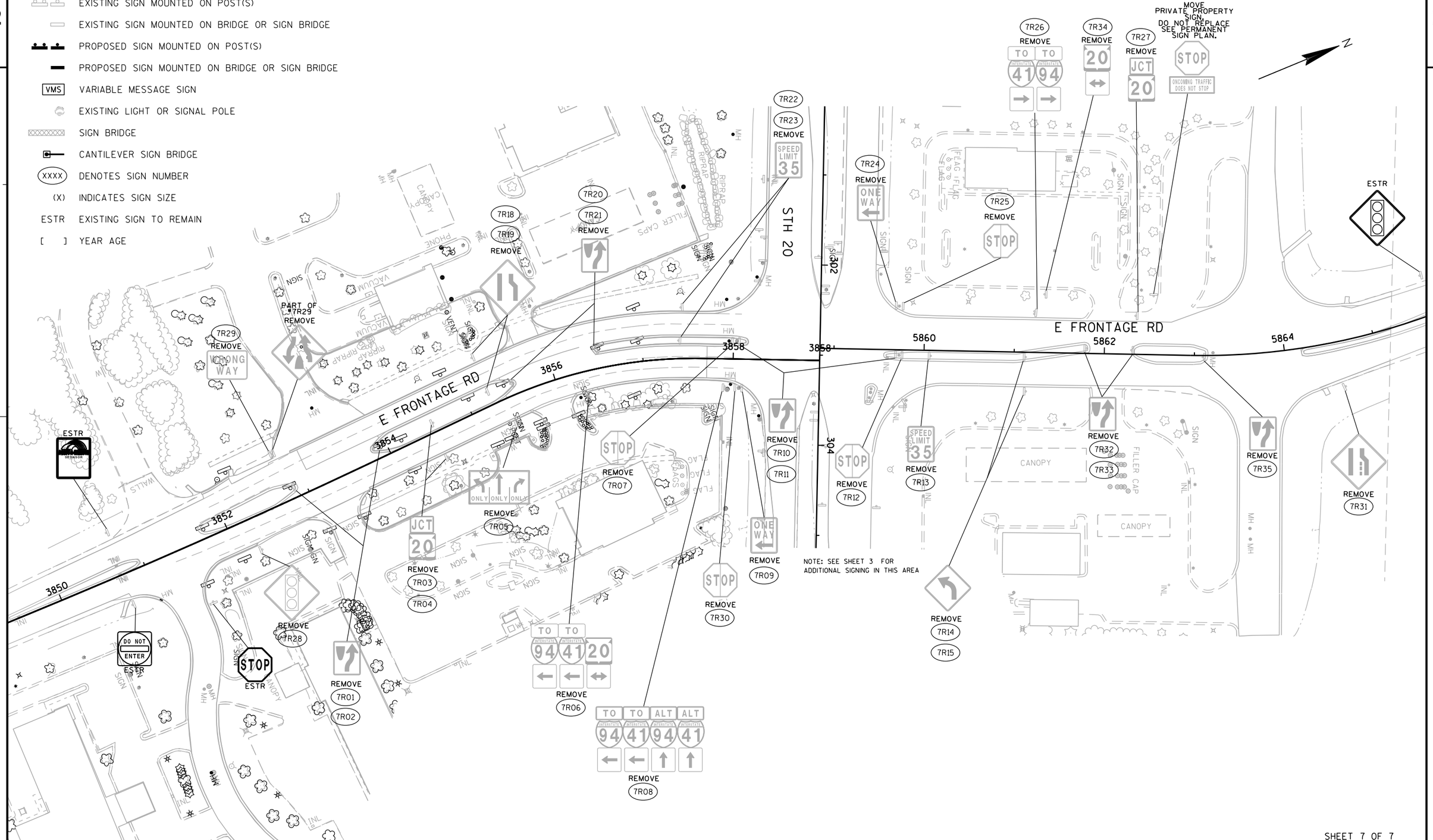
PRE_170

FILE NAME : J:\projects\d2_10330294\71\SIGN\023106_ps.dgn PLOT DATE : 14-MAY-2019 11:50 PLOT BY : dotshw PLOT NAME : $FILE$ PLOT SCALE : 100:1

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
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE
- ESTR — EXISTING SIGN TO REMAIN
- [ ] — YEAR AGE



PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	SIGN REMOVAL PLAN - EAST FRONTAGE ROAD	SHEET E

SHEET 7 OF 7

PRE_171

FILE NAME : J:\projects\d2_10330294\71\SIGN\023107_ps.dgn PLOT DATE : 14-MAY-2019 11:50 PLOT BY : dotshw PLOT NAME : $FILE$ PLOT SCALE : 100:1

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
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

N

ESTR
W3-2

W2-6
15 M.P.H.
W13-1
ESTR

W2-6
15 M.P.H.
W13-1
MOVE
348
348A

STH 20

263 264 265 266 267 268

R4-7
ESTR

349
PARK & RIDE
D4-2L
MOVE

SIGNING NOTES:

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

SIGNING COUNTY COORDINATOR	COUNTY(S)	PHONE #
DENNIS NEWTON	MILWAUKEE	414-750-0257
ANDRE CHAPMAN	RACINE	414-531-2635
JENNY BUCKETT	KENOSHA, WASHINGTON, OZAUKEE	414-750-2427
CHUCK SALDIVAR	WALWORTH, WAUKESHA	414-750-1682

SIGNS SHALL BE CAREFULLY REMOVED FROM SIGN SUPPORTS. THE SIGNS SHALL BE PALLETIZED FOR HANDLING WITH A FORKLIFT (SEE STANDARD SPEC 638.3.4). THE REGIONAL SIGN SHOP (GENERAL PHONE # 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.

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

STREET NAME SIGN MOVE (BY OTHERS) TOWN

JCT M2-1
COUNTY A M1-5A
COUNTY C M1-5A
J1-1 (2M) 13 14

STOP 350
R1-1 MOVE
DIVIDED HIGHWAY 351
R6-3A MOVE

SPEED LIMIT 45 352 353
R2-1 MOVE

STH 20

269 270 271 272 273 274 275

DO NOT ENTER 12
R5-1(2M)

WRONG WAY 11
R5-1A(2M)

3 4
R4-7(2M)

JCT MB2-1 1
INTERSTATE 41 M1-1 2
INTERSTATE 94 M1-1
J1-1 (2M)

ONE WAY
R6-2L(2M) 5

SPEED LIMIT 45
R2-1(2M) 6 7

ONE WAY 10
R6-2R(2S)

8 9
W3-3(2M)

⊙POST ⊙POST ⊙POST ⊙FLAG ⊙WELL ⊙SEPC

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET	E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023202_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

N

STH 20

275 276 277 278 279 280 281

30 PARK & RIDE D4-2R(2M)

28 29 SPEED LIMIT 45 R2-1(2M)

26 Public Works MOVE NOT DOT SIGN SO NOT REPLACE PERMIT SIGN

NO ENGINE BRAKING PROHIBITED MOVE BY OTHERS CITY SIGN BY PERMIT

25 DO NOT ENTER R5-1(2M)

27 ONE WAY R6-2L(2M)

21 22 R4-7(2M)

15 BEGIN LEFT TURN LANE R3-20L(2M)

16 WRONG WAY R5-1A(2M)

17 DO NOT ENTER R5-1(2M)

18 STOP R1-1

19 DIVIDED HIGHWAY R6-3 PRIVATE PROPERTY SIGNS MOVE DO NOT REPLACE

20 ONE WAY R6-2L(2M)

31 BEGIN RIGHT TURN LANE YIELD TO BIKES R4-4 (2M)

23 24 West Frontage Rd NORTH SOUTH D1-60(2M)

TRUCK 604 M4-4

604A R3-1 MOVE

2

PROJECT NO:1033-02-71	HWY: IH 94/STH 20	COUNTY:RACINE	PERMANENT SIGNING - STH 20	SHEET E

SHEET 3 OF 15

PRE_174

FILE NAME : J:\projects\d2_10330294\71\SIGN\023203_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

2

2

N

54 CRASH INVESTIGATION SITE → D4-54R (2M)

53 Sheriffs Patrol Station →

608 Yorkville POPULATION 3,091 I2-3 MOVE

55 R4-7 (2M)

56 R3-2 (2M)

52 DO NOT ENTER R5-1 (2M)

51 WEST 20 J4-1 (2M)

607A TRUCK M4-4

607 R3-2 MOVE

48 NO PARKING ANY TIME R7-1R (2M)

47 SPONSOR MOVE DO NOT REPLACE

FLAGS

46 R4-7 (2M) ON SIGNAL POST

49 BEGIN LEFT TURN LANE R3-20L (2M)

STH 20

57 ONE WAY R6-2R (2M)

58 BEGIN LEFT TURN LANE R3-20L (2M)

61 R3-2 (2M)

59 60 DO NOT ENTER R5-1 (2M)

281 282 283 284 285 286 287

INL

50 BEGIN LEFT TURN LANE R3-20LL (2M)

45 MB3-1 NORTH MB3-4 WEST M1-1 INTERSTATE 41 INTERSTATE 94 M1-1 MB6-1 MB6-1 J3-2 (2M)

44 DO NOT ENTER R5-1 (2M)

612 RIGHT LANE MUST TURN RIGHT R3-7R (2M)

33 DO NOT ENTER R5-1 (2M)

34 R4-7 (2M)

35 R3-2 (2M)

605 R5-2 (2M)

605A M6-1 (2M)

606 R5-2 EXCEPT DELIVERIES MOVE

606A

32 RIGHT TURN ONLY R3-53R (2M)

613 RIGHT LANE MUST TURN RIGHT R3-7R (2M)

36 NO PARKING ANY TIME R7-1D (2M) PUT #36 ON BACK OF #37

37 WRONG WAY R5-1A (2M)

38 WEST FRONTAGE ROAD M1-95A (2M)

38A M6-4 (2M)

39 DO NOT ENTER R5-1 (2M)

40

41 STOP R1-1F (3) ON SIGNAL POLE

42 YIELD R1-2 (2M)

43 ONE WAY R6-2L (2M) ON SIGNAL POLE

RIPRAP

SHEET 4 OF 15

PRE_175

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET	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
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

WEST FRONTAGE ROAD

STH 20

RAMP NW

103 DIVIDED HIGHWAY R6-3(2M) ON SIGNAL POLE

STREET NAME SIGN BY CITY

LOCATION TO BE DETERMINED

96 97 98 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50(2M)

357 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50(2M) ON SIGNAL POLE

104 YIELD R1-2(2M)

105 106 STOP R1-1F(3) ON SIGNAL POLE

107 YIELD R1-2(2M)

110 ONE WAY R6-2L(2M)

102 ONE WAY R6-2L(2M) ON SIGNAL POLE

94 RIGHT LANE MUST TURN RIGHT R3-7R(3)

95 ALTERNATE NORTH ALTERNATE WEST 41 94 J3-2(2M)

CANTILEVER OVERHEAD SIGN SUPPORT S-51-229 STA 290+38

93 NO PARKING ANY TIME R7-1D(2M)

341 STOP R1-1F(3) ON WOOD POST

342 STOP R1-1F(3) ON SIGNAL POLE

83 ONE WAY R6-2L(2M) ON SIGNAL POLE

84 86 85 87 DO NOT ENTER R5-1(3)

WRONG WAY R5-1A(2S) 3' HEIGHT

92 West Frontage Rd ONLY TYPE I

114 R4-7(2S) ON SIGNAL POLE

113 West Frontage Rd M1-94H ON MAST ARM

108 DO NOT ENTER R5-1(2M) ON SIGNAL POLE

101 STOP R1-1F(3) ON WOOD POST

99 100 STOP R1-1F(3) ON SIGNAL POLE

118 BEGIN LEFT TURN LANE R3-20LL(2M)

91 MB4-1 ALTERNATE ALTERNATE MB4-1 MB3-3 SOUTH EAST MB3-2 M1-1 41 94 M1-1 MB6-1 MB6-1 J3-2(2M)

90 West Frontage Rd SOUTH NORTH

88 BEGIN LEFT TURN LANE R3-20L(2M) ON SIGNAL POLE

81 MB3-3 SOUTH EAST MB3-2 M1-1 41 94 M1-1 MB6-1 MB6-1 J3-2(2M) ON SIGNAL POLE

109 R4-7(2M) ON SIGNAL POLE

355 356 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50(2M) ON ARM

111 112 DO NOT ENTER R5-1(2M)

115 R4-7(2M) ON SIGNAL POLE

116 West Frontage Rd M1-94H ON MAST ARM

354 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50(2M) ON SIGNAL POLE

117 DO NOT ENTER R5-1(2M) ON SIGNAL POLE

70 MB3-1 NORTH WEST MB3-4 M1-1 41 94 M1-1 MB4-20L USE LEFT LANE USE LEFT LANE MB4-20L J2-2(2M)

80 NORTH WEST 41 94 ONLY ON OVERHEAD SIGN SUPPORT TYPE I

89 R3-18(2M)

82 R4-7(2M)

78 STOP R1-1F(3) ON WOOD POST

77 DO NOT ENTER R5-1(2M) ON WOOD POST

62 R4-7(2S) ON SIGNAL POLE

63 DIVIDED HIGHWAY R6-3(2M) ON SIGNAL POLE

64 65 STOP R1-1F(3) ON SIGNAL POLE

66 YIELD R1-2(2M)

67 ONE WAY R6-2L(2M)

S-51-227

68 SOUTH EAST 41 94 ONLY ON CANTILEVER OVERHEAD SIGN SUPPORT TYPE I STA. 289+10

69 WRONG WAY R5-1A(2M) ON UPRIGHT

71 RIGHT LANE MUST TURN RIGHT R3-7R(3)

72 NO PARKING ANY TIME R7-1D(2M)

79 STOP R1-1F(3) ON SIGNAL POLE

76 YIELD R1-2(2M)

73 MB4-1 ALTERNATE ALTERNATE SOUTH EAST MB3-2 M1-1 41 94 41 94 M1-1 MB6-1 MB6-1 J3-4(2M)

74 RAMP CLOSED USE ALT ROUTE R11-54F(2M)

75 DO NOT ENTER R5-1(2M)

S-51-228 STA 290+25

SIGN

FLAGS

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

SHEET 5 OF 15

PRE_176

FILE NAME : J:\projects\d2_10330294\71\SIGN\023205_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

153 R3-1(2M)

154 R5-1(2M) ON SIGNAL POLE

152 R7-1D(2M)

148 R6-2L(2M) ON SIGNAL POLE

146 RAMP CLOSED USE ALT ROUTE R11-54F(2M)

158 R1-1F(3) ON SIGNAL POLE

156 R1-1F(3) ON WOOD POST

339 340 ON SIGNAL ARM R3-5OL(2M) R3-5OL(2M)

124 Milwaukee D1-1

STH 20

149 MB3-3 SOUTH EAST MB3-2 41 94 M1-1 MB6-1 J3-2(2M) ON SIGNAL POLE

150 R4-7(2M) ON SIGNAL POLE

123 R4-7(2M)

151 Chicago D1-1(2M)

125 126 R1-1F(3) ON SIGNAL POLE

139 MB3-1 NORTH WEST MB3-4 41 94 M1-1 MB5-1 MB6-1 J3-2(2M)

138 R4-7(2M)

121 R7-1D(2M)

122 MB3-1 NORTH WEST MB3-4 41 94 M1-1 MB5-1L MB5-1L J3-2(2M)

120 R6-2L(2M) ON SIGNAL POLE

140 R5-1(2M)

127 R3-1(2M)

119 RAMP CLOSED USE ALT ROUTE R11-54F(2M)

130 R5-1(3)

131 R5-1A(2S) ON WOOD POST 3' HEIGHT

132 R6-2L(2M)

135 R1-1F(3) ON SIGNAL POLE

128 R5-1(3)

129 R5-1A(2S) ON SIGNAL POLE 3' HEIGHT

133 BEGIN RIGHT TURN LANE YIELD TO BIKES R4-4(2M)

134 East Frontage Rd NORTH SOUTH D1-60(2M)

136 137 R1-1F(3) ON WOOD POST

147 RAMP CLOSED USE ALT ROUTE R11-54F(2M)

145 R1-1F(2M) ON LIGHT POLE

144 R5-1(2M)

141 R3-18(2M)

142 R1-1F(2M) ON SIGNAL POLE

143 R1-1F(2M) ON WOOD POST

RAMP NW

RAMP SW

RAMP NE

RAMP SE

863NE

862NE

861SE

860SE

863SW

862SW

864

863

198

ONLY

25'

55'

45'

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

SHEET 6 OF 15

PRE_177

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

193 SOUTH EAST INTERSTATE 41 INTERSTATE 94 ONLY

194 SOUTH EAST INTERSTATE 41 INTERSTATE 94 ONLY

362 20 WEST

363 NORTH WEST INTERSTATE 41 INTERSTATE 94 ONLY

FULL SPAN OVERHEAD SIGN SUPPORT S-51-230 TYPE I SIGNS STA 298+00

192 RIGHT LANE MUST TURN RIGHT R3-7R(3)

191 Milwaukee D1-1(2M)

190 WRONG WAY R5-1A(2M)

188 BEGIN RIGHT TURN LANE YIELD TO BIKES R4-4(2M)

187 ONE WAY R6-2L(2M)

186 YIELD R1-2(2M)

185 STOP R1-1F(3) ON SIGNAL POLE

184 STOP R1-1F(3)

183 DIVIDED HIGHWAY R6-3A(2M) ON SIGNAL POLE

182 YIELD R1-2(2M)

CITY STREET NAME SIGNS BY OTHERS

EAST FRONTAGE ROAD

ONLY

5860

25'

35'

SIGN

196 MB3-3 SOUTH EAST MB3-2 INTERSTATE 41 INTERSTATE 94 M1-1 M1-1 MB4-20L USE LEFT LANE USE LEFT LANE MB4-20L J2-2(2M)

197 East Frontage Rd M1-94H ON MAST ARM

181 DO NOT ENTER R5-1(2M) ON SIGNAL POLE

180 ONE WAY R6-2L(2M) ON SIGNAL POLE

179 DO NOT ENTER R5-1(2M)

358 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-5O(2M) ON SIGNAL POLE

195 Chicago D1-1(2M)

STH 20

298 299 300 301 302 303

SIGN

162 BEGIN LEFT TURN LANE R3-20LL(2M)

169 170 STOP R1-1F(2M) ON SIGNAL POLE

171 DO NOT ENTER R5-1(2M)

361 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-5O(2M) ON SIGNAL POLE

343 172 173 R4-7(2M) ON SIGNAL POLE

359 360 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-5O(2M) ON SIGNAL ARM

178 East Frontage Rd M1-94H ON MAST ARM

177 DO NOT ENTER R5-1(2M) ON SIGNAL POLE

5859

3858

45'

168 ONE WAY R6-2L(2M) ON SIGNAL POLE

EAST FRONTAGE ROAD

176 STOP R1-1F(3) ON SIGNAL POLE

175 DIVIDED HIGHWAY R6-3A(2M) ON SIGNAL POLE

159 East Frontage Rd NORTH SOUTH D1-60(2M)

157 NO PARKING ANY TIME R7-1D(2M)

158 WRONG WAY R5-1A(2M)

160 MB4-1 ALTERNATE ALTERNATE MB4-1 MB3-1 NORTH WEST MB3-4 INTERSTATE 41 INTERSTATE 94 M1-1 M1-1 MB6-1 MB6-1 J3-2(2M)

161 RIGHT LANE MUST TURN RIGHT R3-7R(3)

163 MB4-1 ALTERNATE ALTERNATE MB4-1 MB3-3 SOUTH EAST MB3-2 M1-1 M1-1 MB6-1 MB6-1 J3-2(2M)

164 165 EAST FRONTAGE ROAD M1-95A(2M) M6-4(2M)

166 DO NOT ENTER R5-1(2M)

STREET NAME SIGNS MOVE BY CITY

YIELD R1-2(2M)

ONLY

ONLY

N

SHEET 7 OF 15

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

PRE_178

FILE NAME : J:\projects\d2_10330294\71\SIGN\023207_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

EAST FRONTAGE ROAD

364 EAST Frontage Rd South

365 SOUTH INTERSTATE 41 EAST INTERSTATE 94 WEST US 20

366 20 WEST

FULL SPAN OVERHEAD SIGN SUPPORT S-51-259 TYPE I SIGNS STA 308+50

367 NORTH INTERSTATE 41 WEST INTERSTATE 94

368 EAST Frontage Rd North

N

209 MB3-3 SOUTH EAST MB3-2 M1-1 INTERSTATE 41 INTERSTATE 94 M1-1 MB6-1 MB6-1 J3-2(2M)

210 EAST FRONTAGE ROAD M1-95A

211 M6-4

208 BEGIN LEFT TURN LANE R3-20LL(2M)

207 NO PARKING ANY TIME R7-1L(2M)

206 BEGIN RIGHT TURN LANE YIELD TO BIKES R4-4(2M)

212 213 STOP R1-1F (3) ON SIGNAL POLE

STH 20

304 305 306 307 308 309

SIGN

45'

STH 20

199 ONE WAY R6-2L(2M)

201 SPONSOR 155-56 MOVE TO STA 316+00

200 344 RIGHT LANE ENDS W9-1R(2M)

SIGN SIGN

198 YIELD R1-2(2M) ON LIGHT POLE

FLAG FLAG FLAGS

202 Sturtevant 2 Hwy 31 5 Racine 9 D1-3(3)

SIGN

203 NO PARKING ANY TIME R7-1R(2M)

SIGN

204 345 W4-2R(2M)

205 EAST 20 J4-1(2M)

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

SHEET 8 OF 15

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

PRE_179

FILE NAME : J:\projects\d2_10330294\71\SIGN\023208_ps.dgn PLOT DATE : 18-JUL-2019 11:20 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

227 JCT INTERSTATE 41 — 228 JCT INTERSTATE 94
J1-2(2M)

214 BEGIN LEFT TURN LANE
R3-20L(2M)

225 226 East Frontage Rd SOUTH NORTH
D1-60(2M)

SIGN

STH 20

523 20 M1-6 / M6-4
J3-1(2S) LOCATION TBD

521 W3-1(2S) LOCATION TBD

519 STOP R1-1(2M)

520 RIGHT TURN ONLY R3-53R(2S)

522 DO NOT ENTER
R5-1(2M) TRIMMED

516 W12-1R(2M) 2' HEIGHT

518 STOP R1-1(2M)

524 ONE WAY R6-2R(2M)

517 R4-7(2S)

514 515 DO NOT ENTER
R5-1(2M) MIDDLE OF ISLAND

310 311 312 313 314 315

525 526 R4-7(2M)

511 R3-2(2M)

512 513 R3-2(2M)

507 ONE WAY R6-2(2M)

SIGN

215 216 SPEED LIMIT 45
R2-1(2M)

503 RIGHT LANE MUST TURN RIGHT
R3-7R(2M)

S51-260 OVERHEAD SIGN SUPPORT FULL SPAN TYPE I SIGNS STA. 311+25

217 Mount Pleasant POPULATION 26,197
12-3

218 RIDESHARE INFO CALL 1-800-455-POOL
D12-2A(2M)

504 RIGHT LANE MUST TURN RIGHT
R3-7R(2M)

219 NO ENGINE BRAKING EXCEPT IN EMERGENCY
R10-64 MOVE PERMIT WITH VILLAGE DO NOT REPLACE

509 DO NOT ENTER
R5-1(2M)

508 ONE WAY R6-2L(2M)

506 STOP R1-1(2M)

601 RIGHT TURN ONLY
R3-53R(2S)

GALAXY DR.

501 SOUTH Red Cloud Dr ONLY

502 SOUTH Galaxy Dr ONLY

FOUND

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023209_ps.dgn
PLOT DATE : 18-JUL-2019 07:37
PLOT BY : dotshw
PLOT NAME :
PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHT OR SIGNAL POLE

SIGN BRIDGE

CANTILEVER SIGN BRIDGE

XXXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[ ] REAR OF EXISTING SIGN

2

2

N

596
NORTH
Red Cloud Dr
D1-61

542
RIGHT LANE MUST TURN RIGHT
R3-7R(2M)

235
236
W3-3(2M)

539
540
WEST
M3-4
20
M1-6
J4-1(2M)

234
RIDESHARE
INFO CALL
1-800-455-POOL
D12-2A(2M)

535
RIGHT LANE MUST TURN RIGHT
R3-7R(2M)

SPEED LIMIT 45
536
537
R2-1(2M)

SIGN

541
BEGIN LEFT TURN LANE
R3-20LL(2M)

538
BEGIN LEFT TURN LANE
R3-20L(2M)

STH 20

316
317
318
319
320
321

543
BEGIN LEFT TURN LANE
R3-20L(2M)

STH 20

229
SPONSOR
I55-56
MOVE

529
BEGIN RIGHT TURN LANE
YIELD TO BIKES
R4-4(2M)

530
SOUTH
Red Cloud Dr
ONLY

S51-261
STA. 318+25
OVERHEAD SIGN
SUPPORT CANTILEVER

527
528
W3-3(2M)
16"X16"
TEMP FLAGS

531
BEGIN LEFT TURN LANE
R3-20LL(2M)

602
WRONG WAY
R5-1A(2M)

534
STOP
R1-1F(2M)
ON SIGNAL POLE

532
533
STOP
R1-1F(2M)
ON SIGNAL POLE

SIGN

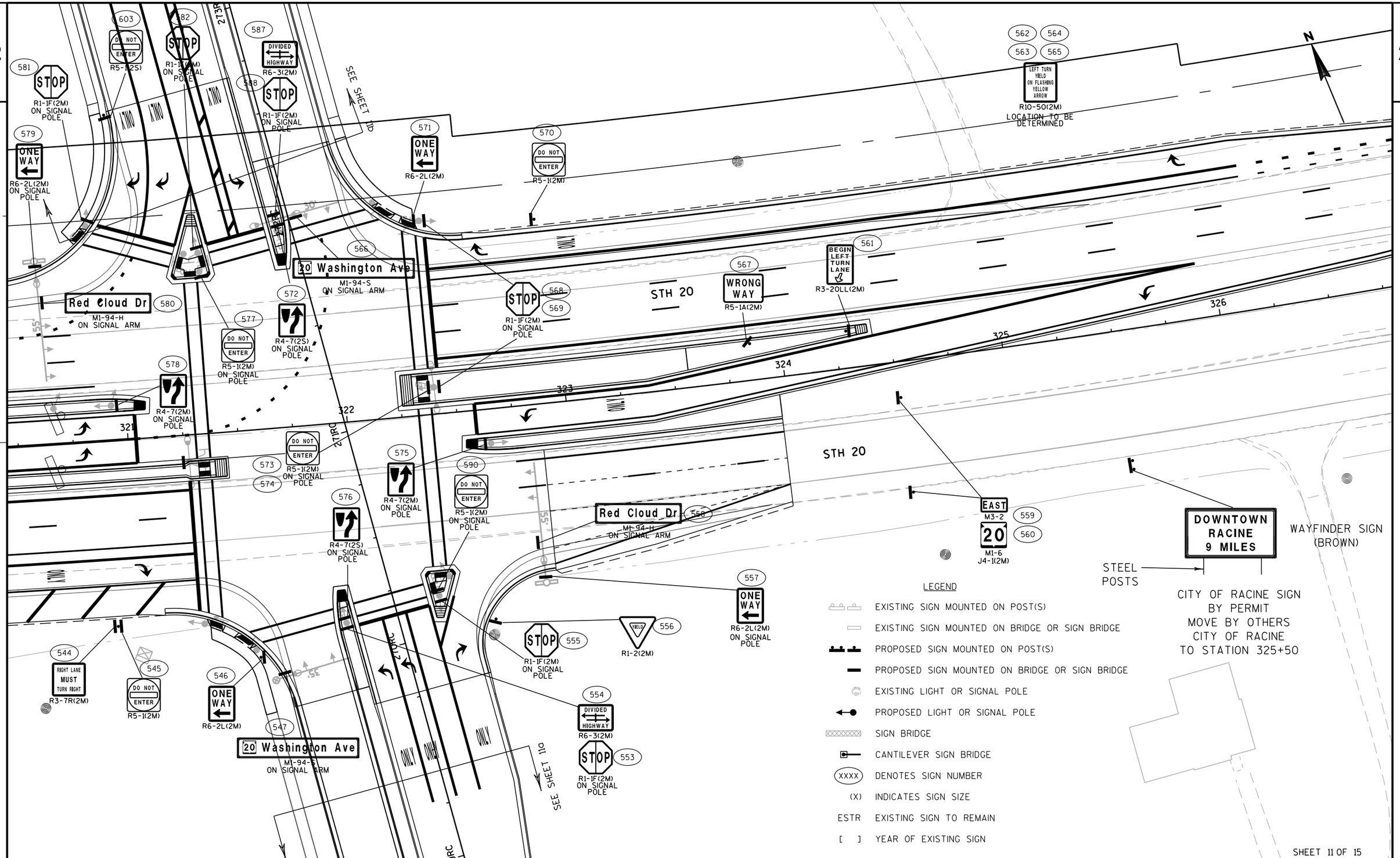
PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

SHEET 10 OF 15

PRE_181

FILE NAME : J:\projects\d2_10330294\71\SIGN\023210_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

SHEET 11 OF 15

PRE_182

FILE NAME : J:\projects\d2_10330294\71\SIGN\023211_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

N

RED CLOUD DR

269RC

SEE SHEET 11

549
600
20
M1-6
M6-4
J3-1(2S)

552
548
ONLY ONLY ONLY ONLY
R3-8WW(2S)
70"X30"

550
551
W3-3(2S)

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET E

SHEET 11a OF 15

PRE_183

FILE NAME : J:\projects\d2_10330294\71\SIGN\023211a_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

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
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

N

SEE SHEET 11

589
598
ONLY ONLY ONLY ONLY
R3-8WW(2S)
70"X30"

585
586
W3-3(2S)

ONLY
ONLY
ONLY

273RC

RED CLOUD DR

599
584
20
M1-6
M6-4
J3-1(2S)

PROJECT NO:1033-02-71	HWY:IH 94/STH 20	COUNTY:RACINE	PERMANENT SIGNING - STH 20	SHEET	E

SHEET 11b OF 15

PRE_184

FILE NAME : J:\projects\d2_10330294\71\SIGN\023211b_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1

2

591 592

Red Cloud Dr
NEXT SIGNAL

D1-65

241

ONE WAY

R6-2L(2M)

W3-3(2M)
16"X16"
TEMP. FLAGS

594
595

232
233

SPEED LIMIT 45

R2-1(2M)

242
243

NORTH
LIMIT
45

W3-5(2M)
STA. 336+00

N

593

BEGIN LEFT TURN LANE

R3-20L(2M)

STH 20

327 328 329 330 331 332

POST POST

239
240

R4-7(2M)

STH 20

238

DO NOT ENTER

R5-1(2M)

230
231

SPEED LIMIT 55

R2-1(2M)

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXXX DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

2

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - STH 20	SHEET	E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023212_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

LEGEND

EXISTING SIGN MOUNTED ON POST(S)

EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

PROPOSED SIGN MOUNTED ON POST(S)

PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE

EXISTING LIGHT OR SIGNAL POLE

PROPOSED LIGHT OR SIGNAL POLE

SIGN BRIDGE

CANTILEVER SIGN BRIDGE

XXXX DENOTES SIGN NUMBER

(X) INDICATES SIGN SIZE

ESTR EXISTING SIGN TO REMAIN

[ ] YEAR OF EXISTING SIGN

N

281 W4-2R(2S)

270 NO PARKING ON RAMP — EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES — R7-64(5)

269 PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — R5-57(5)

271 TO WEST FRONTAGE ROAD → J3-1(2S)

267 [2017] Frank Lloyd Wright Design Buildings Wingspread SC Johnson ← MOVE

268 Racine / Mount Pleasant / Waterford / Sheriffs Substation → D1-3 MOVE (2016 SIGN)

OVERHEAD SIGN SUPPORT S-51-250 STA 867+00

276 ONLY R3-5L (2S) | 275 R3-6L (2S) | 274 ONLY R3-5R (2S) | 273 ONLY R3-5R (2S)

IH-94

256 TO WEST FRONTAGE ROAD → M4-5(2S) / M1-95A(2S) / M6-1(2S) J3-1(2S)

TO EAST EAST FRONTAGE ROAD | 258 EAST COUNTY 20 | WEST COUNTY 20 → J3-3(2S)

257 Amtrak Station ← MOVE 347

Gateway Tech College ← MOVE 866

GAS MOVE BY WISCONSIN BUSINESS IF NECESSARY 608-579-1570

255 [2016] TOURIST INFORMATION 0.2 MILE → MOVE

609 MOVE Yorkville ←

280 TOURIST INFORMATION ← MOVE [2016]

279 D4-55L(2S)

OVERHEAD SIGN SUPPORT S-51-249 STA 858+00

277 WRONG WAY | 278 R5-1A(3) ON UPRIGHT

272 PARK & RIDE ← D4-2L(2S)

251 Sheriffs Substation ← MOVE

259 | 260 WRONG WAY R5-1A(3) ON UPRIGHT

266 ONLY R3-5L (2S) | 265 R3-6L (2S) | 264 ONLY R3-5R (2S)

262 PARK & RIDE → D4-2R(2S)

261 NO PARKING ON RAMP — EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES — R7-64(2S)

LODGING ESTR WISCONSIN BUSINESS LOGO SIGNS

FOOD MOVE BY OTHERS WISCONSIN BUSINESS LOGOS 608-579-1570

248 Amtrak Station ←

GAS MOVE BY OTHERS 608-579-1570

250 WEST COUNTY 20 | EAST COUNTY 20 | TO EAST EAST FRONTAGE ROAD → J3-3(2S)

244 W3-3(2S)

245 NO PARKING ON RAMP — EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES — R7-64(2S)

252 PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC MOTOR BICYCLES PROHIBITED — R5-57(2S)

253 NO PARKING ON RAMP — EXCEPT MAINTENANCE AND POLICE AUTHORIZED VEHICLES — R7-64 (5)

254 W4-2R(2S)

246 WEST 20 | EAST 20 | ALTERNATE NORTH 41 | ALTERNATE WEST 94 → J2-4(2S)

247 Waterford / Racine / Mount Pleasant ← Gateway Tech College → 346 MOVE

249 Frank Lloyd Wright Design Buildings Wingspread SC Johnson → MOVE [2017]

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - RAMPS	SHEET E

SHEET 13 OF 15

PRE_186

FILE NAME : J:\projects\d2_10330294\71\SIGN\023213_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

295 DO NOT ENTER R5-1(2S)
297 WEST FRONTAGE ROAD M1-95A
296 NO PARKING ANY TIME R7-1D(2S)
294 SPEED LIMIT 35 R2-1(2S)
293 TO 20 INTERSTATE TO 41 INTERSTATE 94 J3-3(2S)
292 ONLY ONLY ONLY R3-8W(2S)
W3-3(2S) ESTR
CENTER LANE ONLY R3-9B(2S) ESTR
JCT 20 J1-1(2S) ESTR
298 CENTER LANE ONLY R3-9B(2S)
299 SPEED LIMIT 35 R2-1(2S)
WEST FRONTAGE ROAD
STH 20
282 JCT 20 J1-1(2S)
283 W3-3(2S)
284A END R3-9D(2S)
284 CENTER LANE ONLY R3-9B(2S)
285 TO 20 INTERSTATE TO 41 INTERSTATE 94 J3-3(2S)
286 R4-7(2S)
287 ONLY ONLY ONLY R3-8W(2S)
288 SPEED LIMIT 35 R2-1(2S)
289 DO NOT ENTER R5-1(2S)
290 R4-7(2S)
291 CENTER LANE ONLY R3-9B(2S)
611 NO PARKING ANY TIME R7-1D(2S)
EAST FRONTAGE ROAD M1-95A ESTR
TRUCK M4-4 610A
610 R3-2 MOVE

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING - WEST FRONTAGE ROAD	SHEET E

SHEET 14 OF 15
PRE_187

FILE NAME : J:\projects\d2_10330294\71\SIGN\023214_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- PROPOSED LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE
- ESTR EXISTING SIGN TO REMAIN
- [ ] YEAR OF EXISTING SIGN

315 EAST FRONTAGE ROAD M1-95A(2S)

316 SPONSOR MOVE

317 WRONG WAY R5-1A(2S)

318 W6-2(2S)

319 DO NOT ENTER R5-1(2S)

320 321 W4-2R(2S)

322 WRONG WAY R5-1A(2S)

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

325 BEGIN LEFT TURN LANE R3-20L(2S)

324 SPEED LIMIT 35 R2-1(2S)

337 ONLY ONLY ONLY ONLY R3-8V(2S)

336 RIGHT LANE MUST TURN RIGHT R3-7R(2S)

338 TO 20 INTERSTATE TO 41 INTERSTATE 94 J3-3(2S)

STOP R1-1 PRIVATE PROPERTY SIGN MOVE DO NOT REPLACE

STOP R1-1 CROSS TRAFFIC DOES NOT STOP W4-4P IF NECESSARY PRIVATE PROPERTY SIGN MOVE DO NOT REPLACE

W3-3 ESTR

EAST FRONTAGE ROAD

STH 20

311 ONE WAY R6-2R(2S)

310 R3-2(2S)

312 DO NOT ENTER R5-1(2S)

309 R4-7(2S)

305 DO NOT ENTER R5-1(2S)

308 R4-7(2S)

307 R3-2(2S)

306 ONLY ONLY ONLY R3-8GGG

326 SPEED LIMIT 35 R2-1(2S)

327 328 W1-2L(2S)

329 DO NOT ENTER R5-1(2S)

330 ONE WAY R6-2R(2S)

331 R3-2(2S)

333 W4-2R(2S)

335 DO NOT ENTER R5-1(2S)

332 R4-7(2S)

334 EAST FRONTAGE ROAD M1-95A(2S)

313 314 R4-7(2S)

303 WRONG WAY R5-1A(2S)

304 TO 20 INTERSTATE TO 41 INTERSTATE 94 J3-3(2S)

300 W3-3(2S)

DO NOT ENTER R5-1 ESTR

STOP R1-1 ESTR

302 R4-7(2S)

301 JCT 20 J1-1(2S)

SHEET 15 OF 15

PRE_188

PROJECT NO:1033-02-71	HWY:IH 94/STH 20	COUNTY:RACINE	PERMANENT SIGNING - EAST FRONTAGE ROAD	SHEET E

FILE NAME : J:\projects\d2_10330294\71\SIGN\023215_ps.dgn PLOT DATE : 18-JUL-2019 07:37 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

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
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

826 DO NOT ENTER R5-1(2S)

827 REMOVE YIELD R1-2(2M)

828 ONE WAY R6-2L(2M) ON SIGNAL POLE

829 Renaissance Blvd M1-94S ON SIGNAL ARM

831 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50L(2M) UP HIGH ON SIGNAL POLE

803 806 STOP R1-1F(3) ON SIGNAL POLE

STOP REMOVE

832 833 STOP R1-1F(3) ON SIGNAL POLE

824 R4-7(2S) ON SIGNAL POLE

REMOVE

830 R4-7(2M) ON SIGNAL POLE

REMOVE

807 ONE WAY R6-2L(2S) ON SIGNAL POLE

809 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50L(2M) ON SIGNAL ARM

805 R4-7(2S) ON SIGNAL POLE

REMOVE

834 ONE WAY R6-2L(2S) ON SIGNAL POLE

808 815 STOP R1-1F(3) ON SIGNAL POLE

STOP REMOVE

804 20 Washington Ave M1-94S ON SIGNAL ARM

801 DO NOT ENTER R5-1(2M)

802 STOP R1-1(3)

STOP REMOVE

825 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50L(2M) ON SIGNAL ARM

20 Washington Ave 823 M1-94S ON SIGNAL ARM

820 STOP R1-1F(3) ON SIGNAL POLE

STOP REMOVE

822 YIELD R1-2(2M)

REMOVE

DO NOT ENTER REMOVE

821 DO NOT ENTER R5-1(2M)

819 STOP R1-1F(3) ON SIGNAL POLE

STOP REMOVE

REMOVE

816 R4-7(2M) ON SIGNAL POLE

818 R3-4(2M) ON LIGHT POLE

REMOVE

817 LEFT TURN YIELD ON FLASHING YELLOW ARROW R10-50L(2M) ON SIGNAL ARM

814 NO TURN ON RED FROM LEFT LANE REMOVE

Renaissance Blvd 812 M1-94S ON SIGNAL ARM

ONE WAY 813 R6-2L(2M) ON SIGNAL POLE

STOP 810 R1-1F(3) ON SIGNAL POLE

811 DO NOT ENTER R5-1(2S)

RENAISSANCE BLVD

CTH H/RENAISSANCE BLVD

STH 20

213'WB'+00 214'WB'+00 215'WB'+00 216'WB'+00 217'WB'+00

213'EB'+00 214'EB'+00 215'EB'+00 216'EB'+00 217'EB'+00

42'RN'+00 41'RN'+00 15'RS'+00

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

SIGNING COORDINATOR COUNTY(S) PHONE#

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

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

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

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

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

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

SHEET 1 OF 1

PROJECT NO:1033-02-71	HWY: STH 20 & CTH H	COUNTY: RACINE	PERMANENT SIGNING - CTH H/RENAISSANCE BLVD	SHEET E

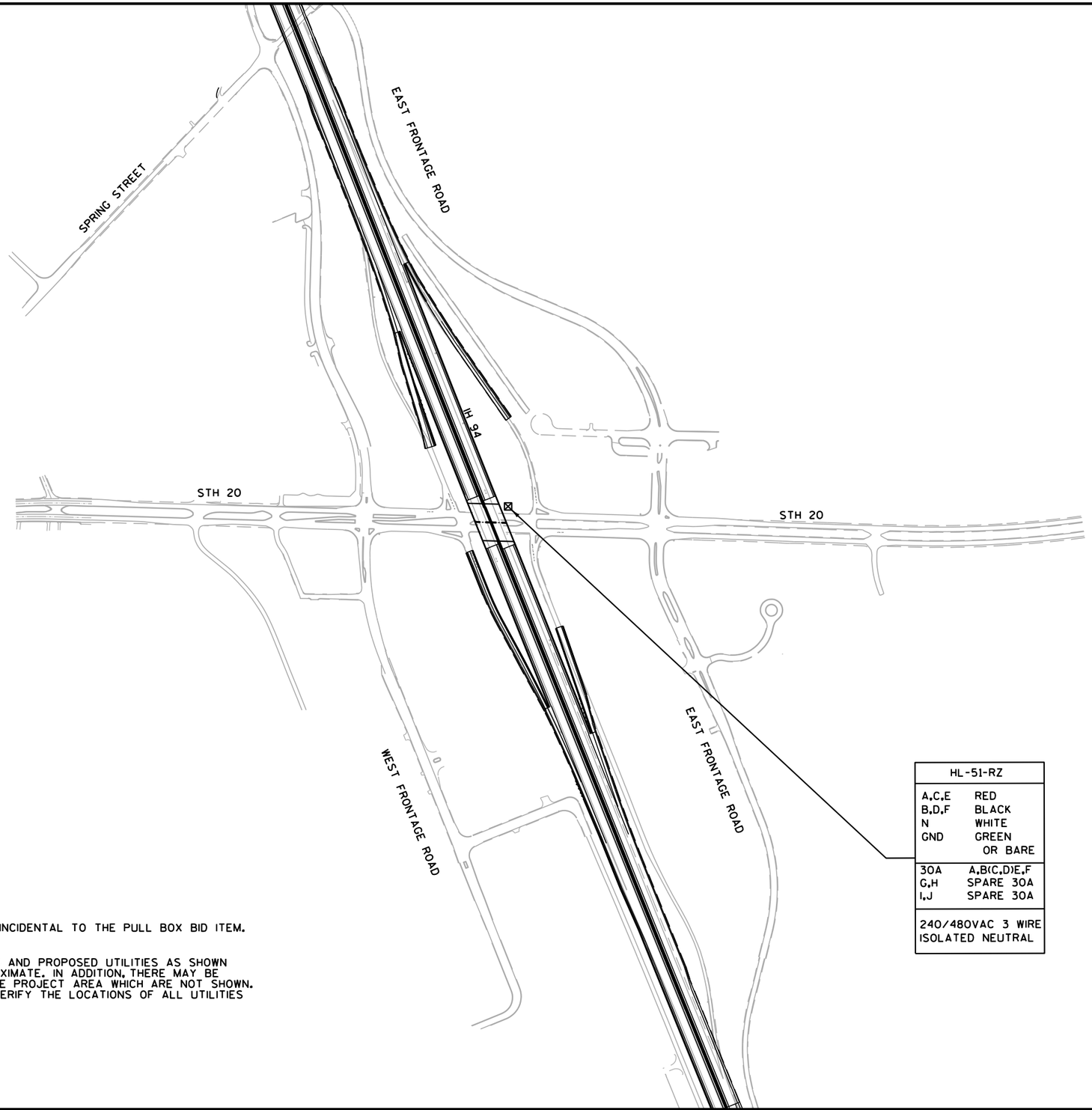
PRE_189

FILE NAME : J:\PROJECTS\D2_10330294\71\SIGN\023220_PS_2016.DWG
LAYOUT NAME - 023220_PS_PG1

PLOT DATE : 4/29/2019 8:51 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2



HL-51-RZ	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
30A	A,B(C,D)E,F
G,H	SPARE 30A
I,J	SPARE 30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

NOTES:

1. WIRE IN THE PULL BOX IS INCIDENTAL TO THE PULL BOX BID ITEM.

2. THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

2

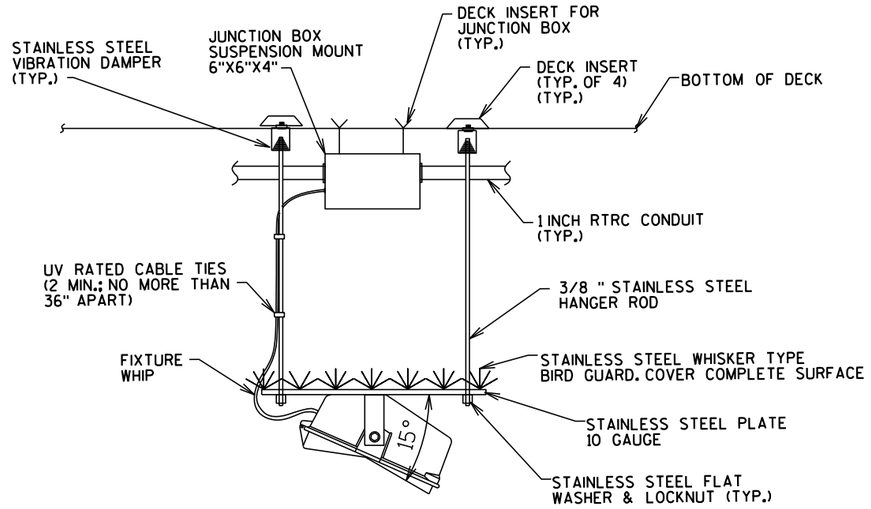
GENERAL NOTES:

HIGHWAY LIGHTING SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTION 652 TO 657 AND 659 EXCEPT:

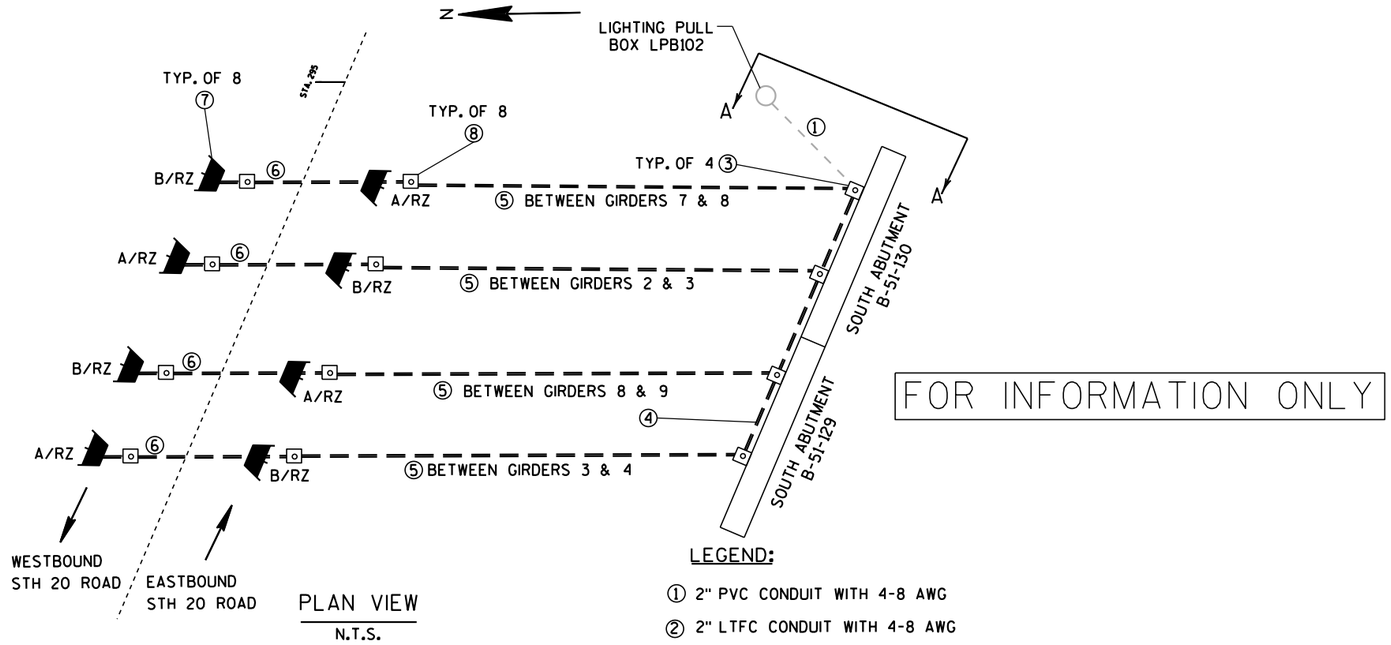
1. DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
2. THE ENGINEER MAY ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH EXISTING OR PROPOSED UTILITIES.
3. LOCATIONS OF THE PVC CONDUITS ARE INDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. HOWEVER, INSTALLATION WILL REQUIRE INTEGRATION WITH EXISTING FIELD CONDITIONS. UNDER THE APPROVAL OF THE ENGINEER, APPROPRIATE ADJUSTMENT OF CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED TO ILLUSTRATE AS BUILT CONDITIONS.
4. THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.
5. ALL OPEN AND UNTERMINATED CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION.
6. BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.
7. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.
8. PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT THAT CAN BE EASILY REMOVED. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.
9. CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX, JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.
10. PULL ROPE ($\frac{3}{8}$-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.
11. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS (PDF FORMAT) FOR ALL THE WORK BEING DONE.
12. INSTALLATION OF LATERAL UNDERGROUND CONDUIT UNDER PAVEMENT SHALL BE INSTALLED MINIMUM 30 INCHES BELOW PROPOSED GRADE. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.
13. PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.
14. HAND DIGGING MAY BE REQUIRED FOR LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED AND WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASES BID ITEM. COORDINATE ALL WORK NEAR GAS AND ELECTRICAL LINES WITH WE ENERGIES.
15. UNDERGROUND WIRE & CONDUIT SHOWN ON REMOVAL PLANS FOR REMOVAL SHALL BE ABANDONED IN PLACE UNLESS DIRECTED BY THE ENGINEER. CONTRACTOR MAY CHOOSE TO REMOVE CONDUCTOR AT THEIR OWN EXPENSE.
16. PROVIDE MINIMUM CABLE SLACK AS MENTIONED BELOW:

PULL BOXES:	10-FT
EMBEDDED JUCTION BOXES:	3-FT
DISTRIBUTION CENTER/LOAD CENTER:	10-FT
POLE BASES:	5-FT IN AND 5-FT OUT

LIGHTING PLAN DESIGNED BY
WISDOT SE REGION 5/19
DATE



TYP. LUMINAIRE INSTALLATION



PLAN VIEW

N.T.S.

FOR INFORMATION ONLY

LEGEND:

① 2" PVC CONDUIT WITH 4-8 AWG

② 2" LTFC CONDUIT WITH 4-8 AWG

③ JUNCTION BOX (SEE SPV's) - SURFACE MOUNTED TO DIAPHRAGM BETWEEN GIRDERS

④ 1" RTRC ALONG ABUTMENT WITH 4-10 AWG - ATTACHED TO ABUTMENT

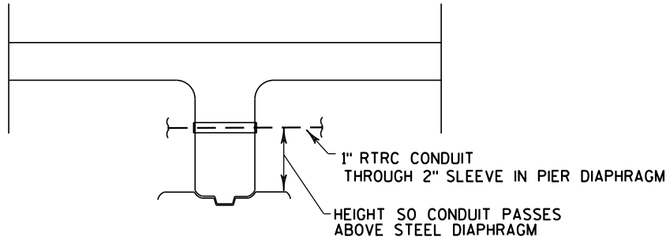
⑤ 1" RTRC IN BEAM SPACE WITH 4-10 AWG

⑥ 1" RTRC IN BEAM SPACE WITH 3-10 AWG

⑦ LUMINAIRES UNDERDECK LED (SEE SPV's)

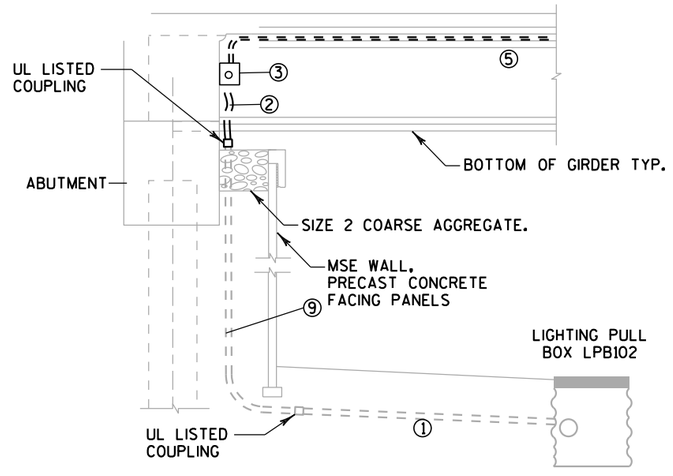
⑧ SUSPENDED JUNCTION BOX (SEE SPV's)

⑨ 2" PVC CONDUIT INSTALLED BEHIND MSE WALL INCIDENTAL TO STRUCTURE PAY ITEMS.



CENTER PIER DIAPHRAGM DETAIL

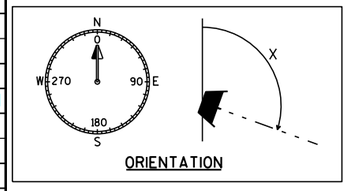
N.T.S.



SECTION A-A SOUTH ABUTMENT

N.T.S.

LUMINAIRE LOCATIONS				
STRUCTURE B-51-129				
ROADWAY UNDER	STATION	OFFSET	BETWEEN GIRDER	ORIENTATION
WB STH 20	293+42.5	20LT	3 & 4	23 °
WB STH 20	293+83.3	20LT	8 & 9	23 °
EB STH 20	293+57.2	14RT	3 & 4	203 °
EB STH 20	293+98.1	14RT	8 & 9	203 °
	D			
STRUCTURE B-51-130				
ROADWAY UNDER	STATION	OFFSET	BETWEEN GIRDER	ORIENTATION
WB STH 20	294+19.9	20LT	2 & 3	23 °
WB STH 20	294+60.7	20LT	7 & 8	23 °
EB STH 20	294+34.6	14RT	2 & 3	203 °
EB STH 20	294+75.5	14RT	7 & 8	203 °



ORIENTATION

NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
2. STRUCTURE DIMENSIONS SHOWN ARE FOR INFORMATION ONLY. THE STRUCTURE DRAWINGS GOVERN.
3. CENTER LUMINAIRES, CONDUIT, JUNCTION BOXES ETC., IN THE SPACES BETWEEN GIRDERS (LONGITUDINALLY). CENTER LUMINAIRES LATERALLY OVER THE LEFT TURN LANES.
4. TYPE RTRC CONDUIT TO PASS ABOVE STEEL DIAPHRAGMS.
5. INSTALL LUMINAIRES SUCH THAT THE LOWEST PART IS ONE INCH ABOVE THE BOTTOM OF THE GIRDERS.
6. APPLY LOCKING COMPOUND TO THREADED PARTS IN HANGER ASSEMBLIES.
7. GIRDER SLEEVES SHALL BE FORMED. DO NOT DRILL, EITHER IN FACTORY OR FIELD. INCIDENTAL TO STRUCTURE PAY ITEMS.
8. ALL LIGHTING WORK SHOWN HERE FOR UNDERDECK LIGHTING WILL BE PAID UNDER PAY ITEM "UNDERDECK LIGHTING SPECIAL STH 20 ROAD" UNLESS NOTED OTHERWISE.

UNDERDECK LIGHTING SPECIAL - STH 20 UNDER IH-94

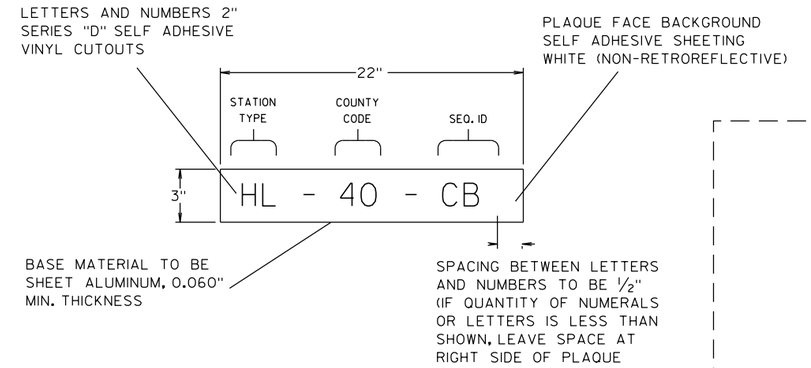
PROJECT NO: 1033-20-71	HWY: IH-94	COUNTY: RACINE	LIGHTING PLAN - DETAIL	SHEET	E

FILE NAME : J:\projects\d2_10330294\71\LTG\20M023522_LP.DGN PLOT DATE : 23-MAY-2019 12:34 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

2

GENERAL NOTES:

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

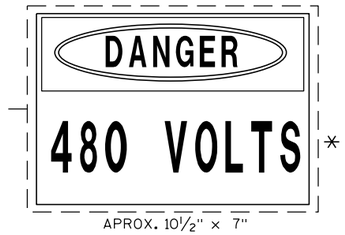


DISTRIBUTION CENTER IDENTIFICATION PLAQUE

CHAMBERS

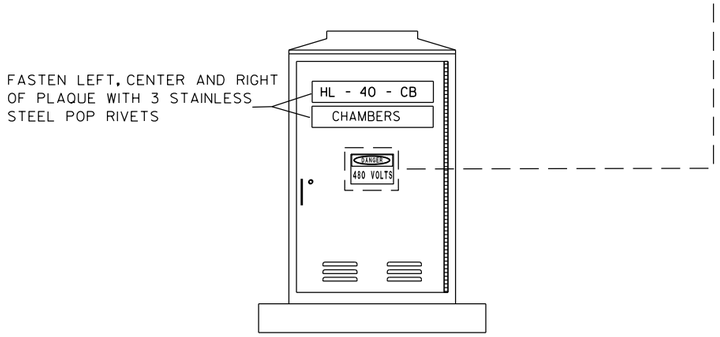
MNEMONIC
(SEE MISC. QTYS.)
(NO. OF CHARACTERS VARIES THIRD PLAQUE MAY BE NECESSARY)

TWO REQUIRED CABINET AND METER PEDESTALS (PAID AS PLAQUES SEQUENCE IDENTIFICATIONS)



*SOME LOCATIONS WILL BE 240 VOLTS

FOR INFORMATION ONLY



DISTRIBUTION CENTER IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS
(TYPICAL ALL CONTROL CABINETS)

2

SALVAGE

HL-51-RZ	
A	RED
B	BLACK
N	WHITE
GND	GREEN OR BARE
30A	A,B
C,D	SPARE 30A
E,F	SPARE 30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

SALVAGE
294+95, 80' LT
HL-51-RZ
(DOOR FACING EAST)

295+15, 80' LT
LPB101

295+40, 70' RT
LPB102

STH 20

IH 94 SB OFF RAMP

IH 94 SB ON RAMP

IH 94 NB ON RAMP

IH 94 NB OFF RAMP

IH 94

SIGN

FLAG

LEGEND

- DISTRIBUTION CENTER
- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- LIGHT POLE, ARM MOUNTED LUMINAIRE
- CONDUIT STUBOUT
- PULLBOX 24" x 36"
- C.I.M. CENTER IN MEDIAN
- UDL (UNDER DECK LUMINAIRE)
- JUNCTION BOX

SHEET 5 OF 10

PROJECT NO: 1033-02-71	HWY: IH 94	COUNTY: RACINE	LIGHTING REMOVAL PLAN	SHEET	E

PRE_194

FILE NAME : J:\projects\d2_10330294\71\LTG\023501_LP.DGN PLOT DATE : 23-MAY-2019 12:34 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 50:1

WISDOT/CADDS SHEET 42

2

2

STH 20

IH 94 SB OFF RAMP

IH 94

IH 94 NB ON RAMP

SALVAGE
294+95, 80'LT
HL-51-RZ
(DOOR FACING EAST)

3" C
4#8 AWG

295+15, 80'LT
LPB101

3" C SPECIAL
4#8 AWG

295+40, 70'RT
LPB102

4#8 AWG

3#10 AWG

3#10 AWG

4#10 AWG

4#10 AWG

4#8 AWG

SALVAGE

HL-51-RZ	
A	RED
B	BLACK
N	WHITE
GND	GREEN OR BARE
30A	A,B
C,D	SPARE 30A
E,F	SPARE 30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

LEGEND

- DISTRIBUTION CENTER
- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- LIGHT POLE, ARM MOUNTED LUMINAIRE
- CONDUIT STUBOUT
- PULLBOX 24" x 36"
- C.I.M. CENTER IN MEDIAN
- UDL (UNDER DECK LUMINAIRE)
- JUNCTION BOX

SHEET 6 OF 10

PRE_195

PROJECT NO: 1033-02-71	HWY: IH 94	COUNTY: RACINE	LIGHTING REMOVAL PLAN - SCHEMATIC	SHEET E

FILE NAME : J:\projects\d2_10330294\71\LTG\023501_SCEMATIC_LP.DGN PLOT DATE : 23-MAY-2019 12:35 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 50:1

WISDOT/CADDS SHEET 42

LEGEND

- ⊠ DISTRIBUTION CENTER
- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- LIGHT POLE, ARM MOUNTED LUMINAIRE
- ⇉ CONDUIT STUBOUT
- ◐ PULLBOX 24" x 36"
- C.I.M. CENTER IN MEDIAN
- UDL (UNDER DECK LUMINAIRE)
- ▭ JUNCTION BOX

STATION — OFFSET
100+00.00, (100.00RT)
LED C A(T) 4 ANS1
- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

N

IH 94

STA. 287+6.08, 139.14' LT
LPB22

285+11.45, 75.74 LT
LPB21

286+83.69, 103.26' LT
LED C 7(T) 8 FRZ3

3" CONDUIT

288+11.21, 138.95' LT
LPB23

288+38.76, 104.85' LT
LED C 7(T) 8 FRZ2

290+88.86, 248.77' LT
LPB24

290+94.94, 237.19' LT
LED C 7(T) 8 FRZ1

3" CONDUIT
291+60.19, 271.89' LT
LPB25

292+69.48, 105.72' LT
LPB26

285+17.25, C.I.M.
LED C 7(T) 10 FRZ4/FRZ5

289+49.67, C.I.M.
LED C 7(T) 10 DRZ4/DRZ5

290+58.76, C.I.M.
LED C 7(T) 10 DRZ2/DRZ3

STH 20

286+72.80, 98.35' RT
LED C 7(T) 8 DRZ7

286+98.21, 155.36' RT
LPB20

289+51.13, 94.82' RT
LPB18

3" CONDUIT

290+61.24, 97.15' RT
LPB17

EMPTY

288+27.03, 123.24' RT
LED C 7(T) 8 DRZ6

288+17.66, 156.76' RT
LPB19

292+33.33, 111.59' RT
LED C 7(T) 8 DRZ1

292+65.98, 145.65' RT
LPB16

294+36.66, 76.73' RT
LPB14

3-8AWG

293+15.6, 127.61' RT
LPB15

3" CONDUIT

SEWAGE TREATMENT PLANT

CANOPY

FILLER CAPS

SHEET 7 OF 10

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	PROPOSED LIGHTING PLAN	SHEET E

PRE_196

FILE NAME : J:\projects\d2_10330294\71\LTG\023601_LP - Copy.dgn PLOT DATE : 23-JUL-2019 10:17 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

LEGEND

- DISTRIBUTION CENTER
- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- LIGHT POLE, ARM MOUNTED LUMINAIRE
- CONDUIT STUBOUT
- PULLBOX 24" x 36"
- C.I.M. — CENTER IN MEDIAN
- UDL (UNDER DECK LUMINAIRE)
- JUNCTION BOX

STATION — OFFSET
100+00.00, (100.00RT)
LED C A(T) 4 ANS1
- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

N

IH 94

STH 20

280 282 284 286 288 290 292 294

2862 2864 4866 8484

86MW 86SW 86BW 86AW 86DSW 86ZW

285+38.80, 75.74 LT
LPB21

STA. 287+6.08, 139.14' LT
LPB22

286+83.69, 103.26' LT
LED C 7(T) 8 FRZ3

3" CONDUIT

285+17.25, C.I.M.
LED C 7(T) 10 FRZ4/FRZS

288+11.21, 138.95' LT
LPB23

288+38.76, 104.85' LT
LED C 7(T) 8 FRZ2

290+88.86, 248.77' LT
LPB24

290+94.94, 237.19' LT
LED C 7(T) 8 FRZ1

3" CONDUIT
291+60.19, 271.89' LT
LPB25

292+69.46, 105.72' LT
LPB26

289+49.67, C.I.M.
LED C 7(T) 10 DRZ4/DRZS

290+58.76, C.I.M.
LED C 7(T) 10 DRZ2/DRZ3

289+51.13, 94.82' RT
LPB18

3" CONDUIT

290+61.24, 97.15' RT
LPB17

EMPTY

294+36.66, 76.73' RT
LPB14

3-8AWG

293+15.6, 127.61' RT
LPB15

3" CONDUIT

286+72.80, 98.35' RT
LED C 7(T) 8 DRZ7

286+98.21, 155.36' RT
LPB20

3" CONDUIT

288+27.03, 123.24' RT
LED C 7(T) 8 DRZ6

288+17.66, 156.76' RT
LPB19

292+33.33, 111.59' RT
LED C 7(T) 8 DRZ1

292+65.98, 145.65' RT
LPB16

SHEET 8 OF 10

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	PROPOSED LIGHTING SCEMATIC	SHEET E

PRE_197

FILE NAME : J:\projects\d2_10330294\71\LTG\023601_LP-SCEMATIC_LP.dgn PLOT DATE : 23-JUL-2019 10:17 PLOT BY : dotshw PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

LEGEND

- DISTRIBUTION CENTER
- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- LIGHT POLE, ARM MOUNTED LUMINAIRE
- CONDUIT STUBOUT
- PULLBOX 24" x 36"
- C.I.M. CENTER IN MEDIAN
- UDL (UNDER DECK LUMINAIRE)
- JUNCTION BOX

STATION — OFFSET

100+00.00, (100.00RT)

LED C A(T) 4 ANSI

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

HL-51-RZ	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
G,H	SPARE 30A
I,J	SPARE 30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

3" CONDUIT
295+78.52, 317.12' LT
LPB2

296+24.87, 329.76' LT
LPB3

296+26.33, 316.74' LT
LED C 7(T) 8 CRZ1

294+89.30, 99.73' LT
HL-51-RZ
(DOOR FACING EAST)

294+75.98, 105.42' LT
LPB27

3-8AWG

3" C

2-6AWG
1-8AWG

296+94.27, 122.19' LT
LED C 7(T) 8 CRZ2

294+99.04, 88.85' LT
LPB1

3" CONDUIT
2-6AWG
8-8AWG

2-6AWG
1-8AWG

294+36.66, 76.73' RT
LPB14

4-8AWG

7-8AWG

INTERCEPT
EXISTING
CONDUIT

295+32.45, 76.33' RT
LPB13

296+24.22, 185.36' RT
LPB12

3" CONDUIT

297+99.43, 104.41' RT
LPB10

EMPTY

297+8.88, 164.02' RT
LED C 7(T) 8 ERZ1

297+8.88, 183.47' RT
LPB11

299+39.03, C.I.M.
LED C 7(T) 10 ERZ4/ERZ5

297+98.28, C.I.M.
LED C 7(T) 10 ERZ2/ERZ3

3" CONDUIT

3-8AWG

300+68.85, C.I.M.
LED C 7(T) 10 ERZ6/ERZ7

300+69.19, 89.53' RT
LPB9

302+27.10, 155.44' LT
LPB4

302+13.02, 132.18' LT
LED C 7(T) 8 CRZ3

302+2.84, 103.71' RT
LED C 7(T) 8 ERZ8

302+28.46, 141.53' RT
LPB8

3" CONDUIT

3" CONDUIT
3-8AWG

303+51.49, 158.32' LT
LPB5

303+79.16, 118.15' LT
LED C 7(T) 8 CRZ4

3" CONDUIT

304+32.48, C.I.M.
LPB6

305+87.93, C.I.M.
LED C 7(T) 10 CRZ5/CRZ6

306+85.01, C.I.M.
LED C 7(T) 10 CRZ7/CRZ8

303+65.35, 108.74' RT
LED C 7(T) 8 ERZ9

303+48.17, 142.85' RT
LPB7

STH 20

IH 94

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	PROPOSED LIGHTING PLAN	SHEET E

SHEET 9 OF 10

PRE_198

LEGEND

- DISTRIBUTION CENTER
- CONDUIT - 2" UNLESS OTHERWISE SHOWN
- LIGHT POLE, ARM MOUNTED LUMINAIRE
- CONDUIT STUBOUT
- PULLBOX 24" x 36"
- C.I.M. — CENTER IN MEDIAN
- UDL (UNDER DECK LUMINAIRE)
- JUNCTION BOX

N

STATION — OFFSET

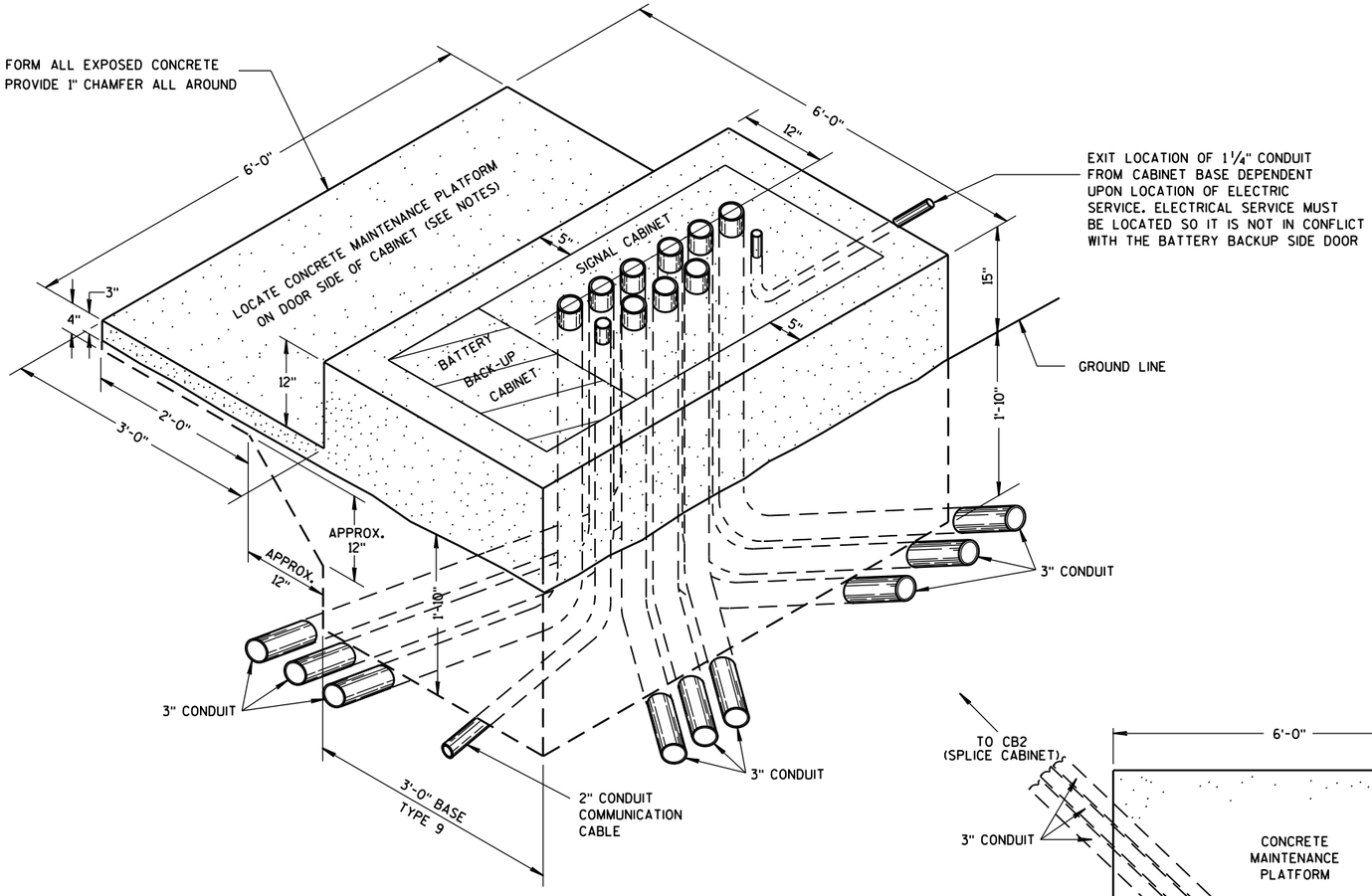
100+00.00, (100.00RT)

LED C A(T) 4 ANSI

- CIRCUIT, SOURCE, POLE #
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

HL-51-RZ	
A,C,E	RED
B,D,F	BLACK
N	WHITE
GND	GREEN OR BARE
G,H	SPARE 30A
I,J	SPARE 30A
240/480VAC 3 WIRE ISOLATED NEUTRAL	

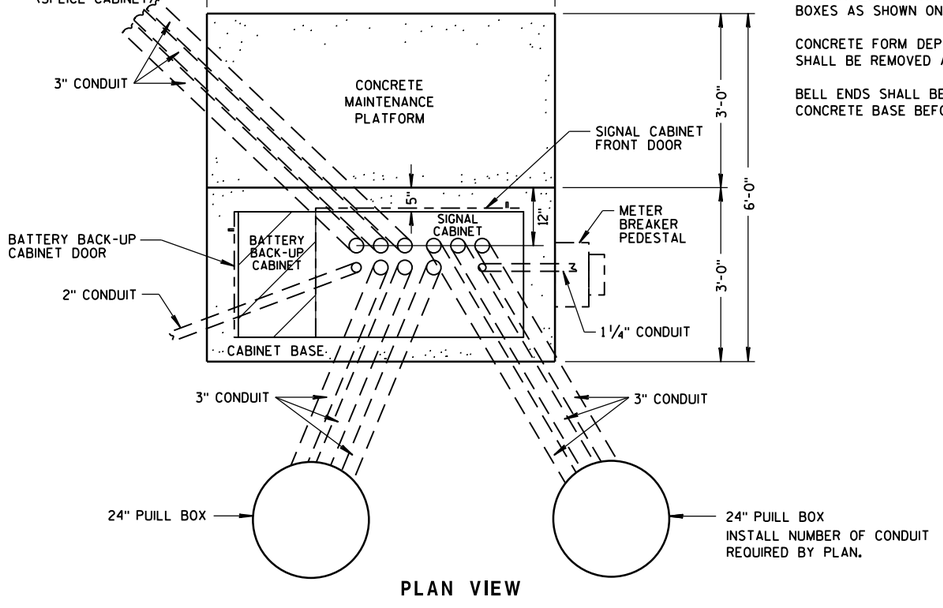
866NE
864NE
862NE
858SE
858SE
858S



ISOMETRIC VIEW

TYPE 9, SPECIAL (MOD.)

(C.Y. CONCRETE = APPROX. 2.31)



PLAN VIEW

GENERAL NOTES

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

INSTALL FOUR 3/8 INCH DROP-IN ANCHORS TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IN NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL MODIFIED BATTERY BACK-UP CABINET WITH CB2 (SPLICE CABINET)

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL DETAIL	SHEET E

PRE_200

2

GENERAL NOTES

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

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THIER OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

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 BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE 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.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

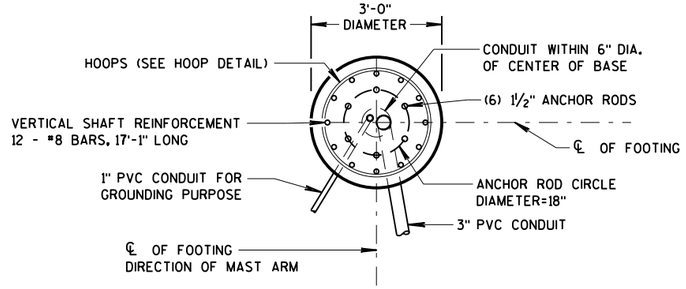
THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

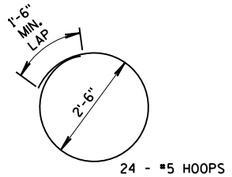
THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

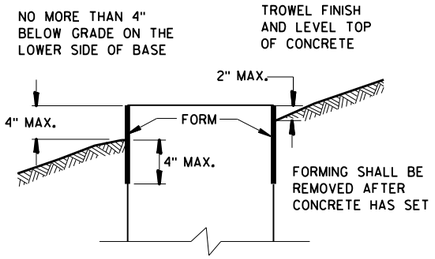
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATIONS	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.



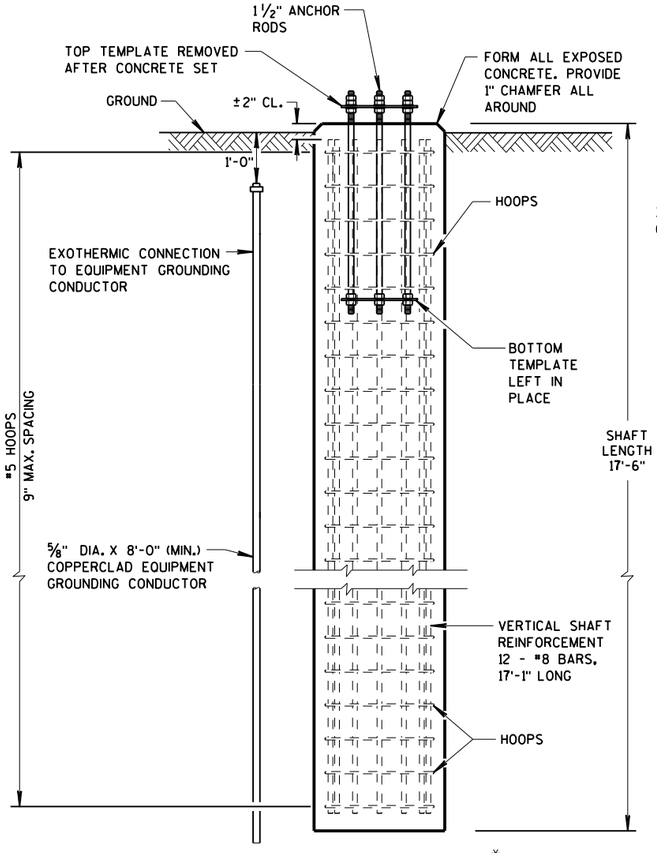
PLAN VIEW



HOOP DETAIL

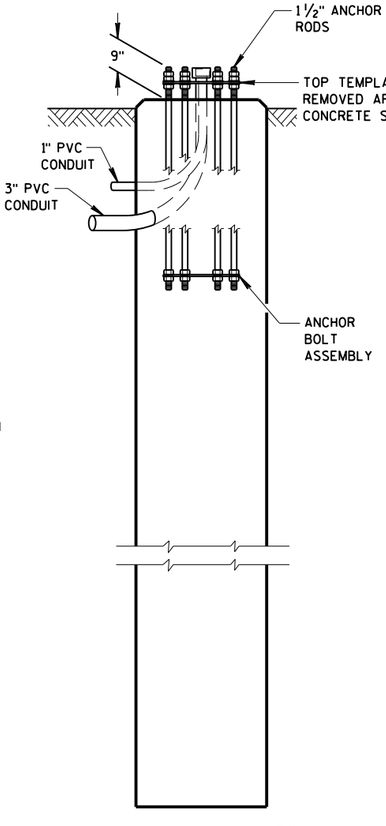


FORMING DETAIL



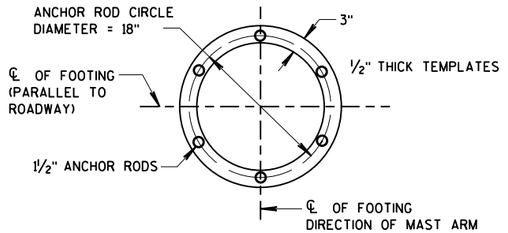
ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY

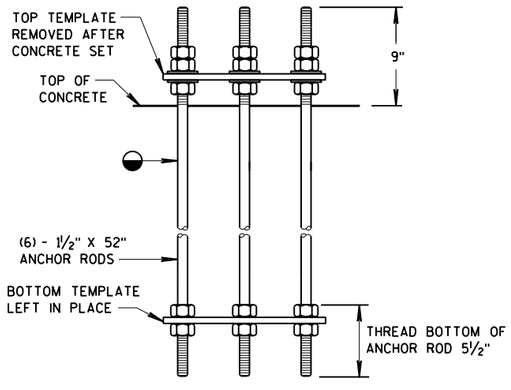


SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY



TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE ANCHOR ASSEMBLY

◒ THREAD TOP 9" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5½" FOR 2 NUTS PER ANCHOR ROD. HOT-DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR RODS (ASTM A123) AND HOT-DIP NUTS AND WASHERS (ASTM A153). USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

(FOR TYPE 9 & 10 SPECIAL POLES)

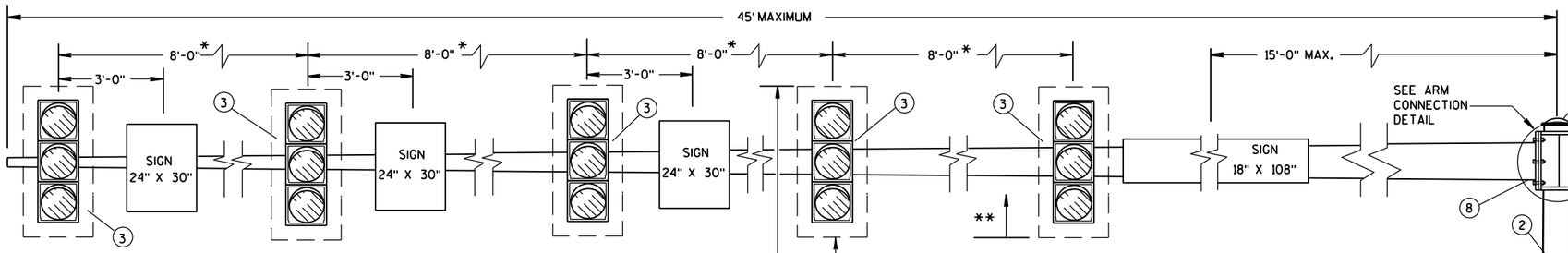
CONCRETE = 4.6 C.Y.
H.S. REINFORCEMENT = 779 LBS.

TO BE USED WHEN GROUND ELEVATION, AT BASE, EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TYPE 9&10 SPECIAL TRAFFIC SIGNAL BASE DETAILS	SHEET E

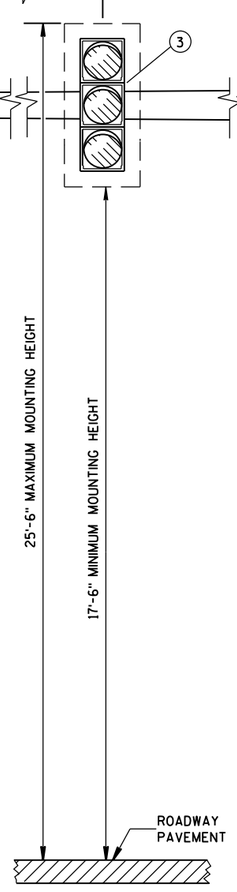
PRE_201

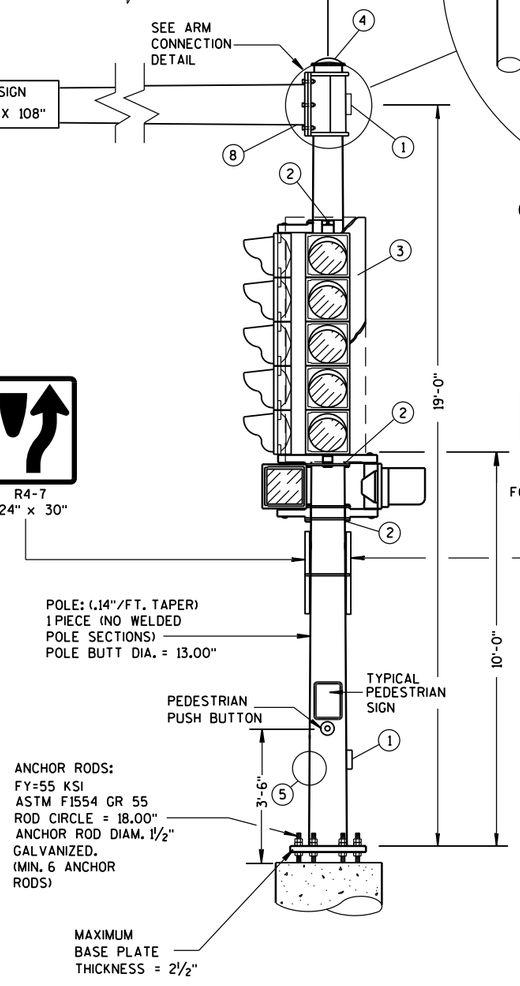
FILE NAME : C:\Users\dotarc\Desktop\T9_T10_Special\T10 Special Base - Construction Detail 20181019.dgn PLOT DATE : 26-NOV-2018 11:15 PLOT BY : dotarc PLOT NAME : PLOT SCALE : 1:3.47652
WISDOT/CADDS SHEET --

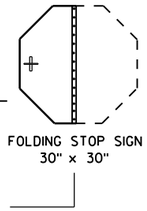


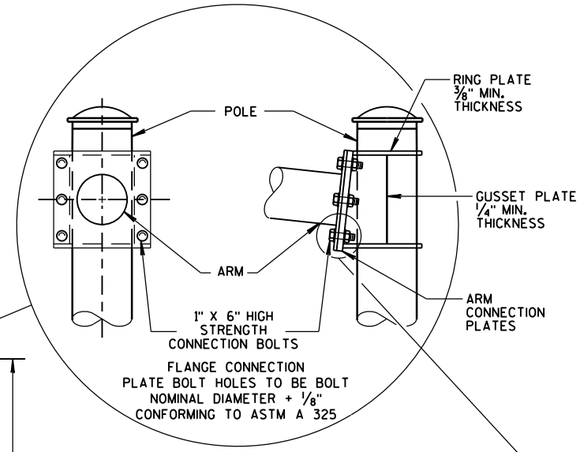
* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.

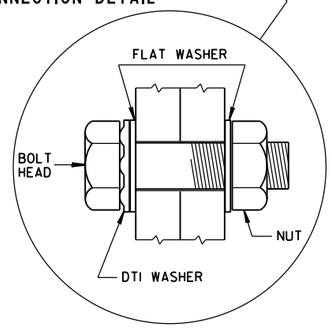




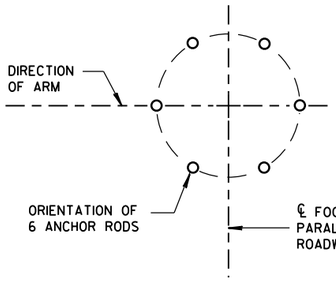




6 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



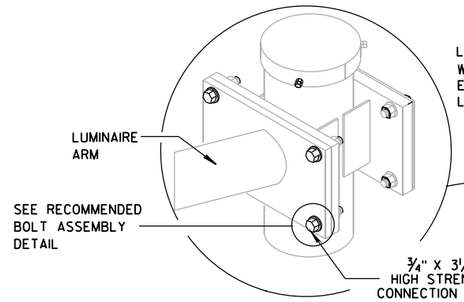
ANCHOR ROD LOCATION

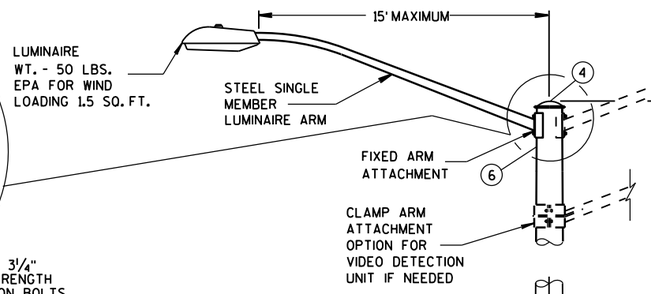
(MAXIMUM LOAD)

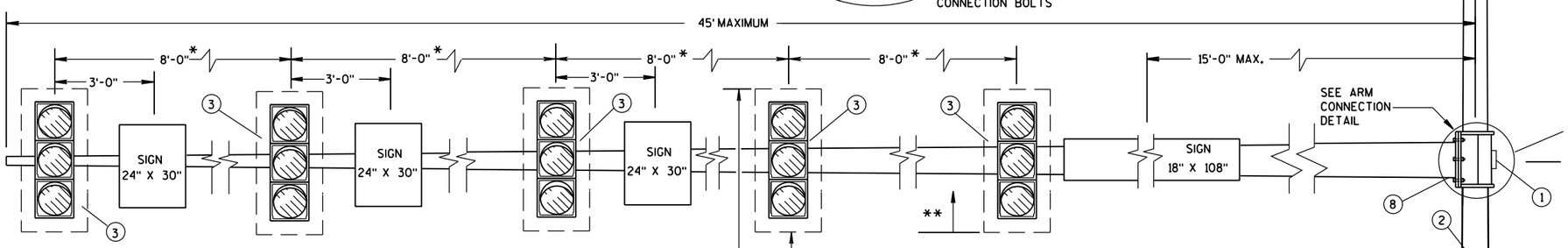
TYPE 9 SPECIAL POLE
35'- 45' MONOTUBE ARM

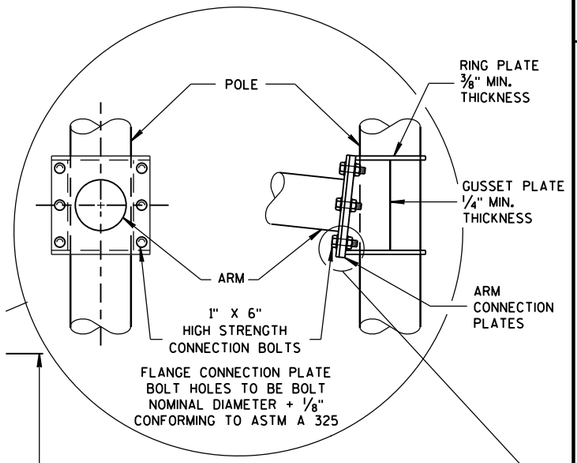
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TYPE 9 & 10 SPECIAL TRAFFIC SIGNAL POLE DETAILS	SHEET	E

PRE_202





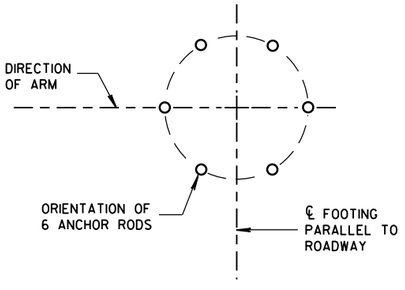




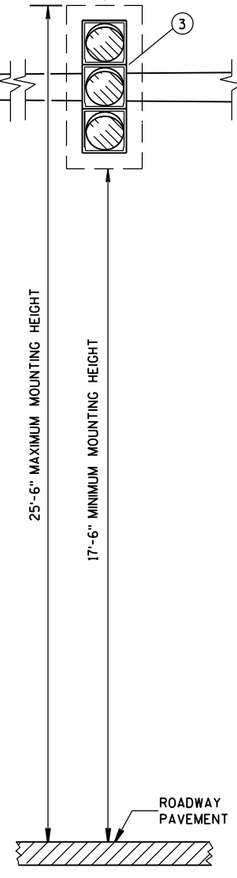
8 BOLT ARM CONNECTION DETAIL

* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY. NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

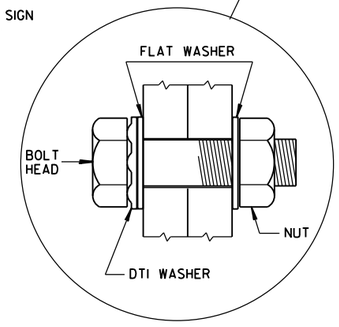
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



ANCHOR ROD LOCATION



(MAXIMUM LOAD)



RECOMMENDED BOLT ASSEMBLY DETAIL

TYPE 10 SPECIAL POLE
35'- 45' MONOTUBE ARM

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TYPE 9 & 10 SPECIAL TRAFFIC SIGNAL POLE DETAILS	SHEET	E

PRE_203

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

W. FRONTAGE RD.

SPEED LIMIT = 35 MPH

R/W

STH 20

SPEED LIMIT = 45 MPH

SIGN

285 286 287 288 289 290

4866 4865 2865 2864

6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 1 OF 9

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION	SHEET PRE_204 E

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TSPre.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

W. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

STH 20

R/W

4866

4865

2865

2864

285 286 287 288 289 290

OH

HO T G SAN W FO TV MH SIGN

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 2 OF 9

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET E

PRE_205

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TS1A.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

W. FRONTAGE RD.

SPEED LIMIT = 35 MPH R/W

R/W

STH 20

SPEED LIMIT = 45 MPH

4866

4865

2865

285 286 287 288 289 290

OH

SIGN

MH

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 3 OF 9

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET	E

PRE_206

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TS1B.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

W. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

STH 20

R/W

OH

285 286 287 288 289 290

2865 2864

SIGN

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 4 OF 9

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

PRE_207

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TS2.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

SPEED LIMIT = 35 MPH

R/W

W. FRONTAGE RD.

4866

4865

4864

2865

2864

STH 20

285

286

287

288

289

290

SPEED LIMIT = 45 MPH

OH

W

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 5 OF 9

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET	E

PRE_208

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TS3.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

STH 20

W. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

R/W

OH

4866

4865

2865

2864

285 286 287 288 289 290

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET E

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PRE_209

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TS4A.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

SPEED LIMIT = 35 MPH

R/W

W. FRONTAGE RD.

4866

4865

2865

2864

R/W

SPEED LIMIT = 45 MPH

STH 20

285 286 287 288 289 290

OH

SPEED LIMIT = 45 MPH

SPEED LIMIT = 35 MPH

STH 20

W. FRONTAGE RD.

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 7 OF 9

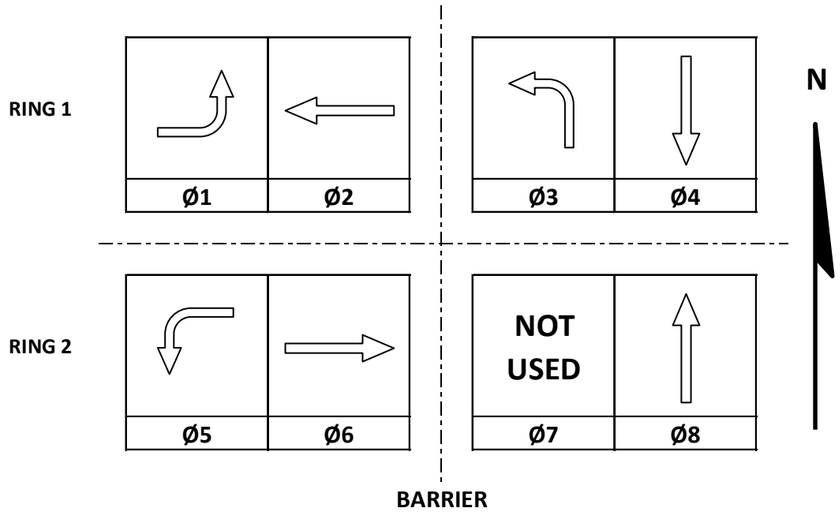
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET E

PRE_210

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_TS4B.dgn PLOT DATE : 21-MAY-2019 14:05 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

	HEAD NUMBERS	FLASH
Ø1	0	R ←
Ø2	0	R
Ø3	0	R ←
Ø4	0	R
Ø5	0	R ←
Ø6	0	R
Ø7		
Ø8	0	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓ ↑	↰ ↑
PHASE	2+5	6+1	4+8	8+3

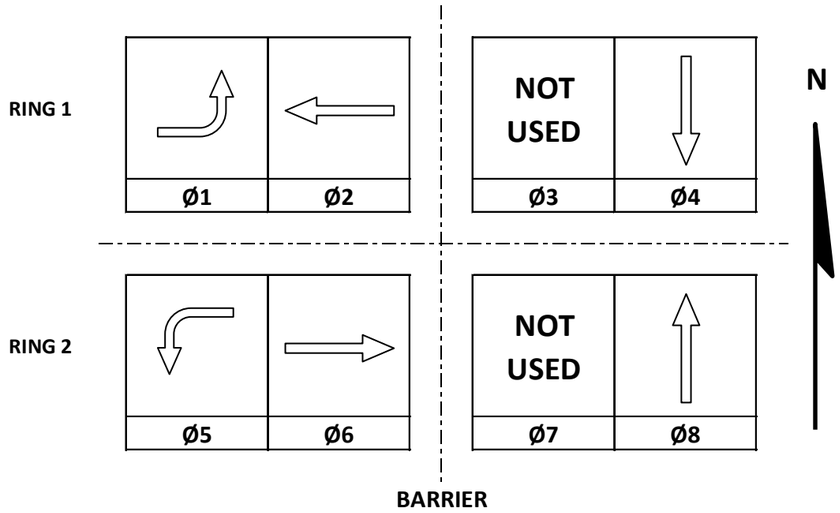
AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. THIS SQUENCE WILL BE USED DURING CONSTRUCTION STAGES 1 AND 4

STH 20 & West Frontage Rd
Town of Yorkville
Racine COUNTY
SIGNAL NO: T51-0728 Stage 1 & 4 CABINET TYPE: TS1
CONTROLLER TYPE: Econolite
DATE: July 2019 PAGE NUMBER: 8 OF 9

	HEAD NUMBERS	FLASH
Ø1	0	R ←
Ø2	0	R
Ø3		
Ø4	0	R
Ø5	0	R ←
Ø6	0	R
Ø7		
Ø8	0	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

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

GENERAL NOTES:

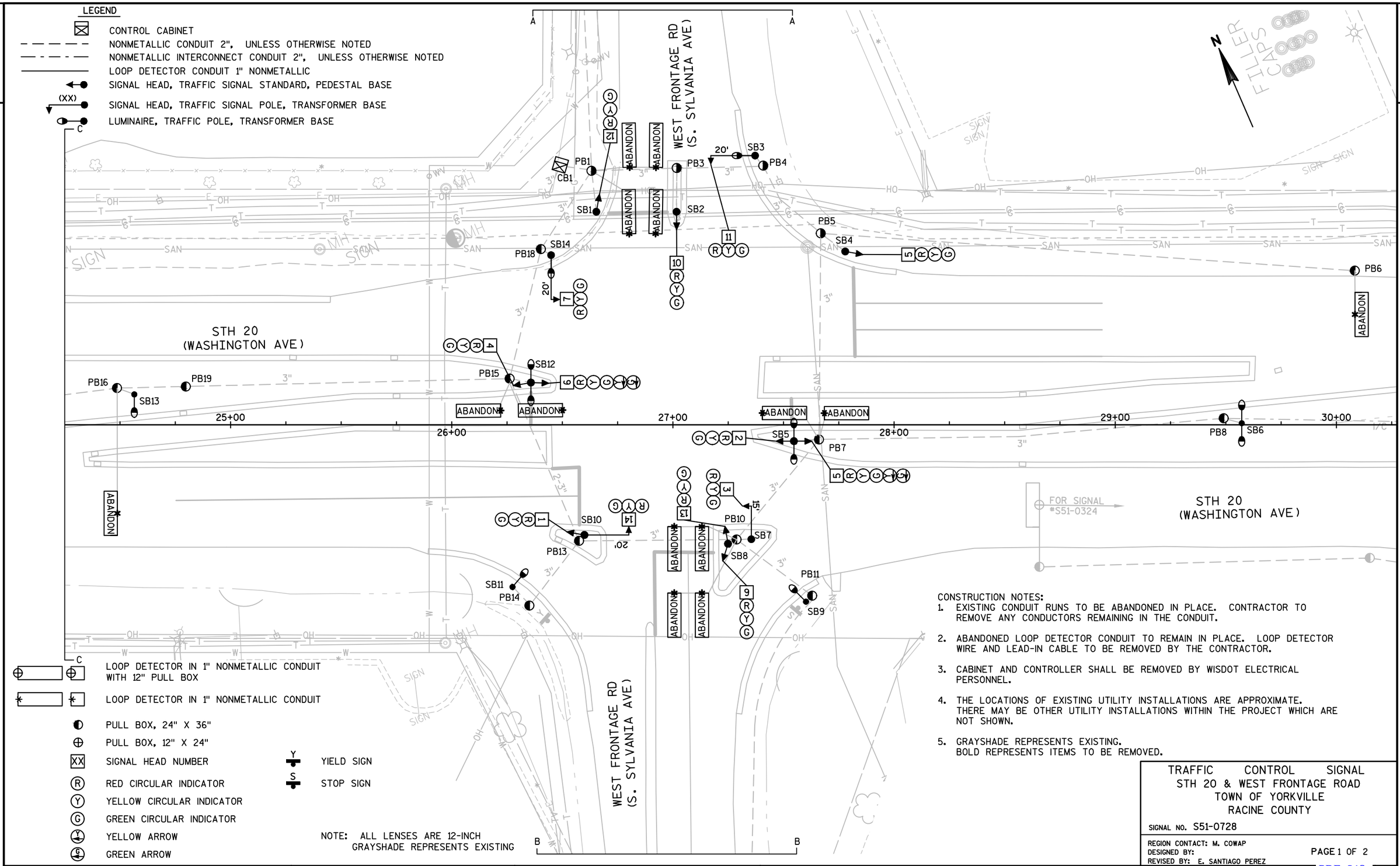
1. THIS SEQUENCE SHEET WILL BE USED FOR CONSTRUCTION STAGES 2 AND 3

STH 20 & West Frontage Rd
Town of Yorkville
Racine COUNTY
SIGNAL NO: T51-0728 Stage 2 & 3 CABINET TYPE: TS1
CONTROLLER TYPE: Econolite
DATE: July 2019 PAGE NUMBER: 8 OF 9

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: Racine	SEQUENCE OF OPERATIONS	SHEET NO: PRE_212	E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- C LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE



- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- Y YELLOW ARROW
- G GREEN ARROW
- Y YIELD SIGN
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

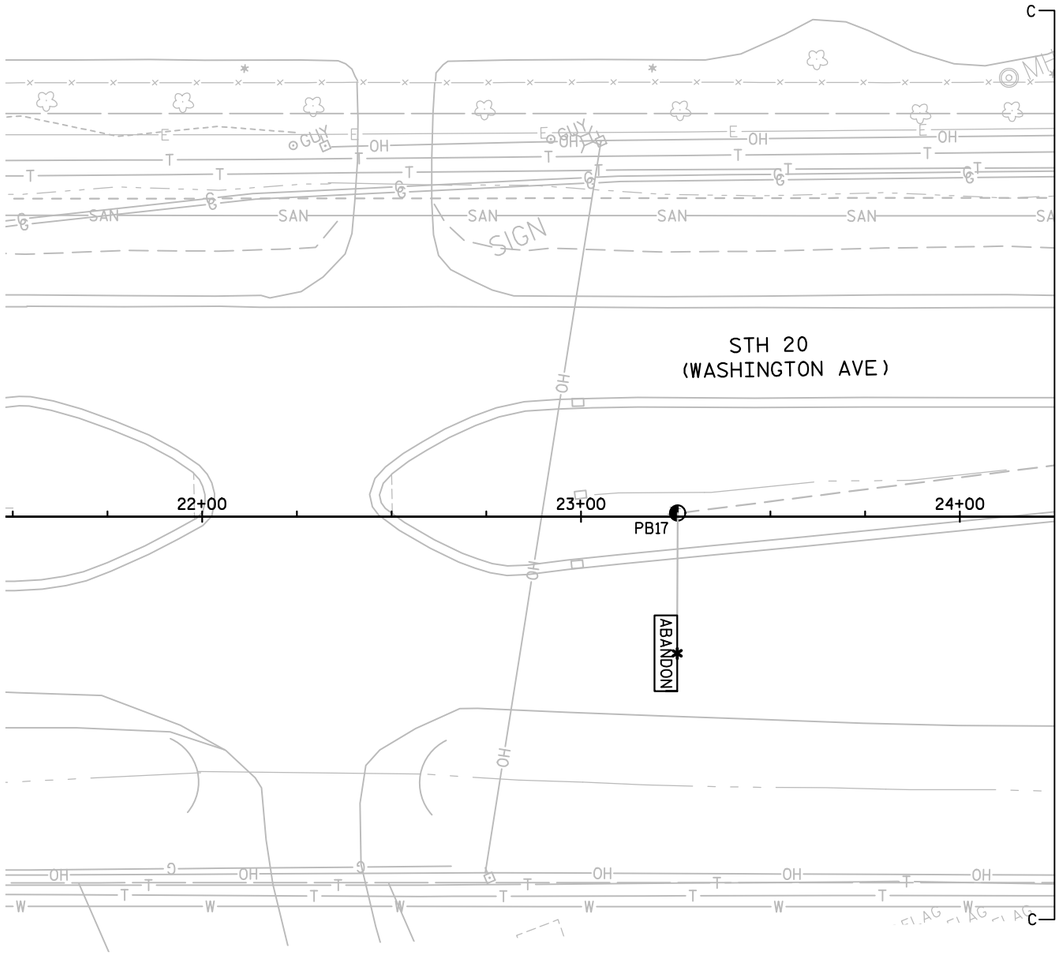
SIGNAL NO. S51-0728

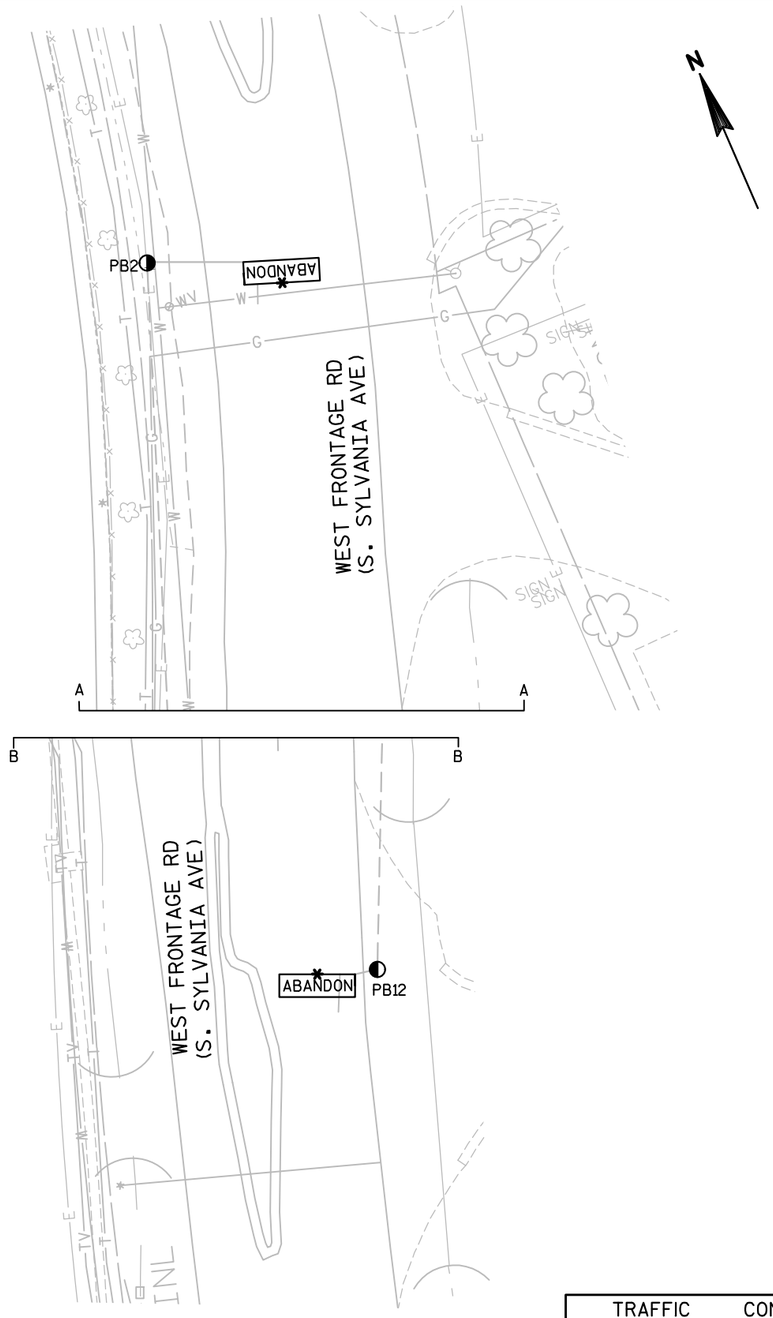
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET E

PRE_213

FILE NAME : J:\PROJECTS\D2_10330294\71\SIG\S51-0728\S51-0728_REM_14-16.DWG
LAYOUT NAME - S51-0728_REM_PG1
PLOT DATE : 3/21/2019 11:38 AM PLOT BY : SANTIAGO PEREZ, EDGAPLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

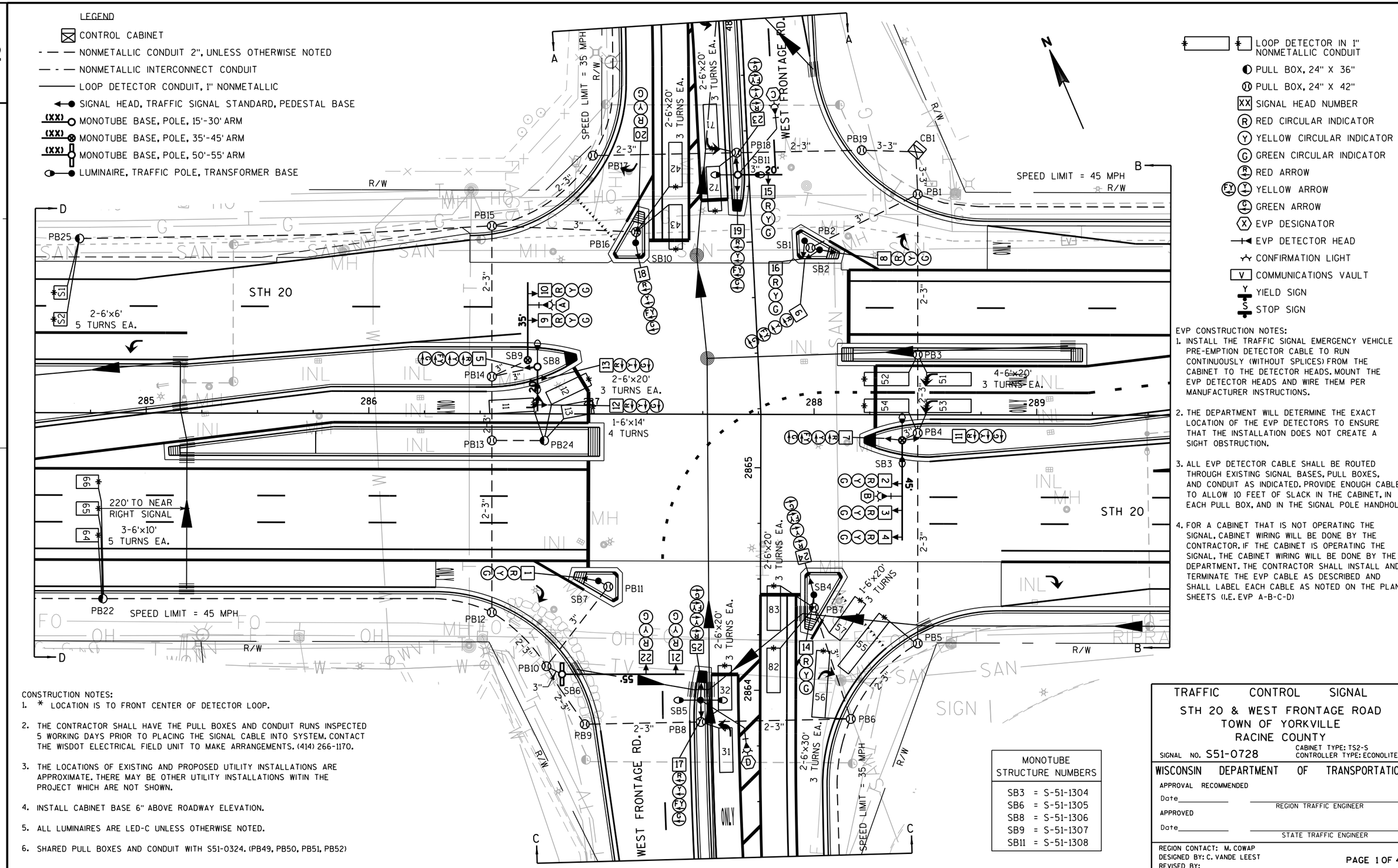
PAGE 2 OF 2

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET E

PRE_214

FILE NAME : J:\PROJECTS\D2_10330294\71\SIG\S51-0728\S51-0728_REM_14-16.DWG
LAYOUT NAME - S51-0728_REM_PG2

PLOT DATE : 3/21/2019 11:38 AM PLOT BY : SANTIAGO PEREZ, EDGAPLOT NAME : PLOT SCALE : 1 IN:40 FT



EVP CONSTRUCTION NOTES:

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

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING THE SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. SHARED PULL BOXES AND CONDUIT WITH S51-0324. (PB49, PB50, PB51, PB52)

MONOTUBE STRUCTURE NUMBERS	
SB3	= S-51-1304
SB6	= S-51-1305
SB8	= S-51-1306
SB9	= S-51-1307
SB11	= S-51-1308

TRAFFIC CONTROL SIGNAL

STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728
CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

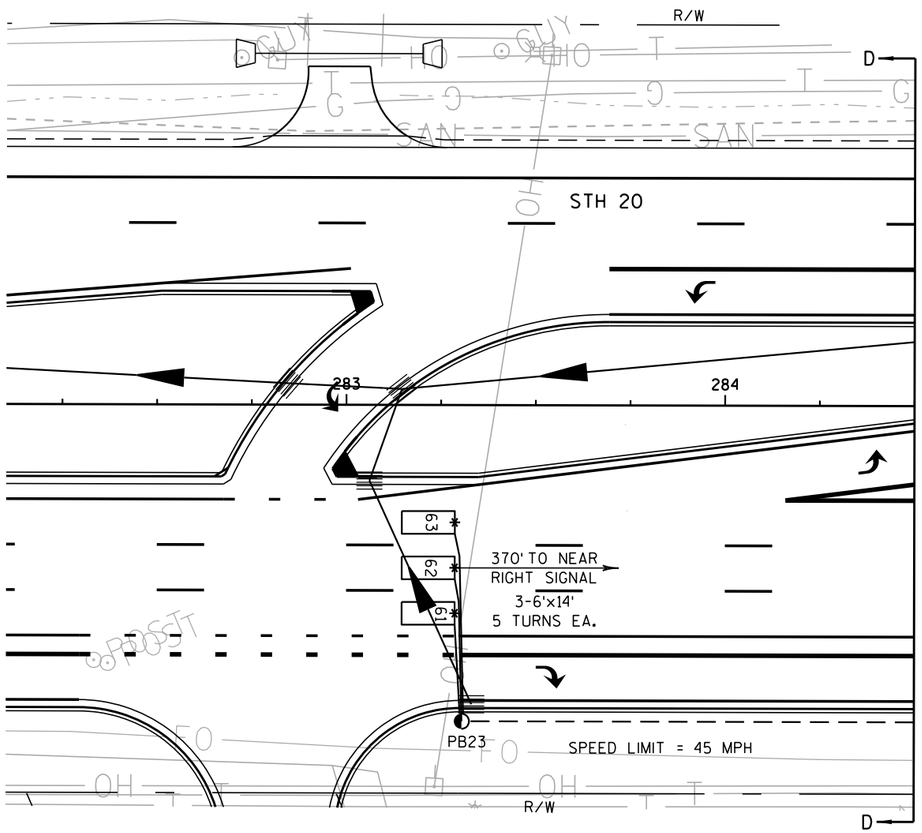
APPROVAL RECOMMENDED
Date_____ REGION TRAFFIC ENGINEER
APPROVED
Date_____ STATE TRAFFIC ENGINEER

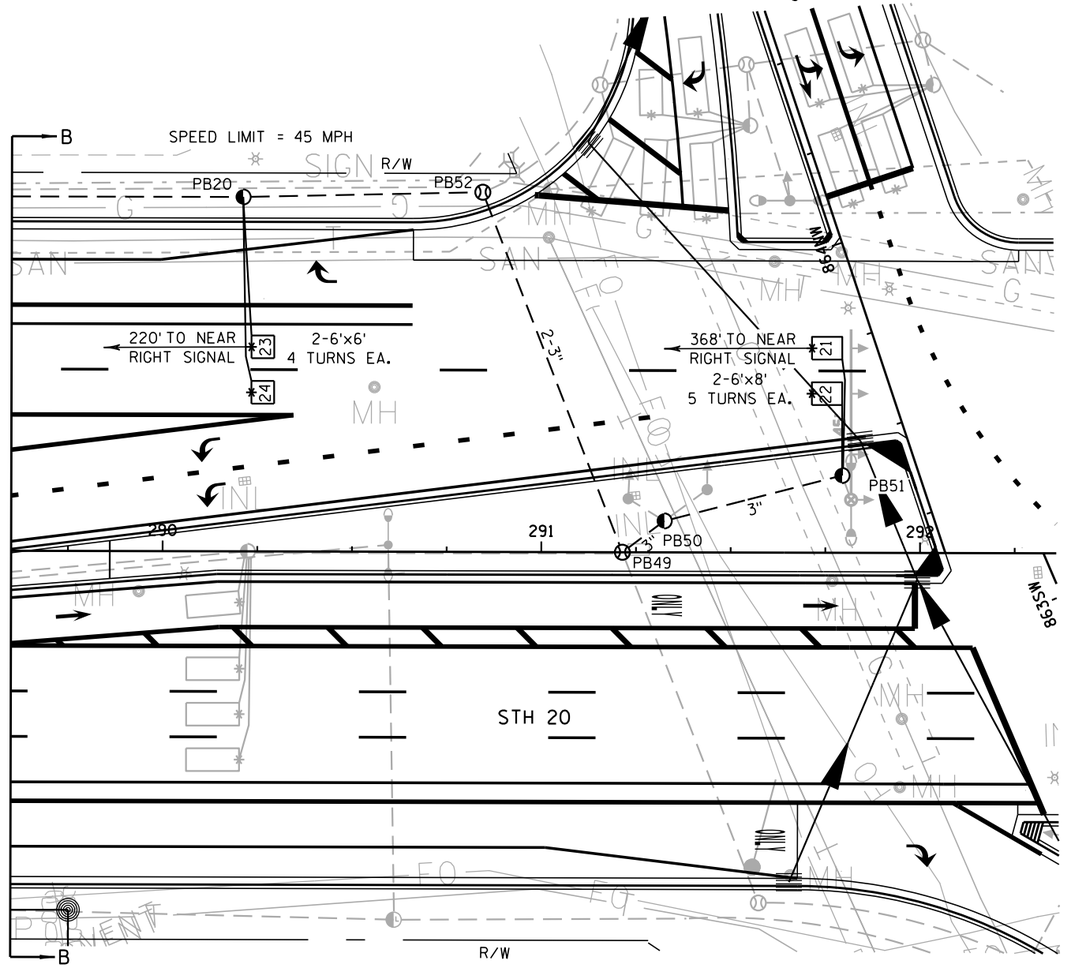
REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_215

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_pg1.dgn PLOT DATE : 25-JUL-2019 15:24 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

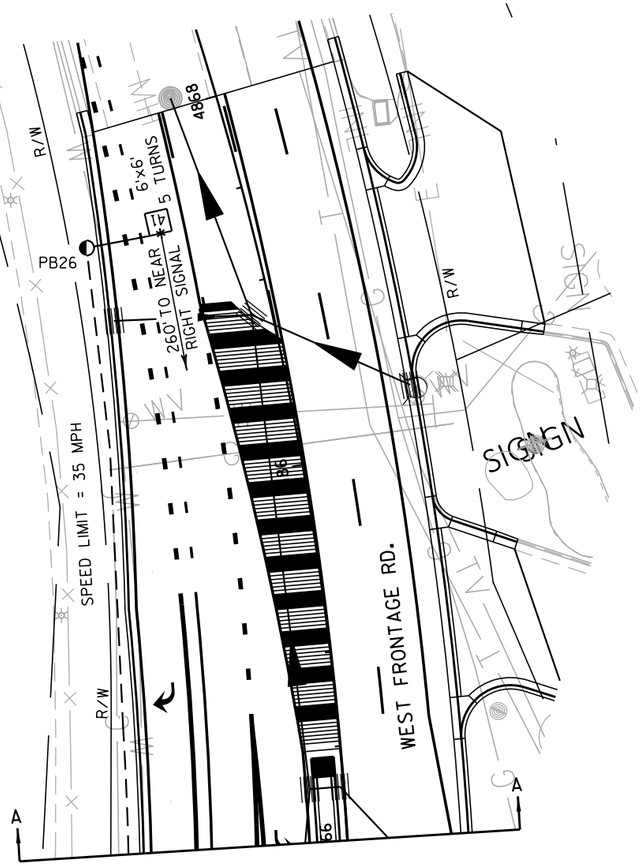
REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

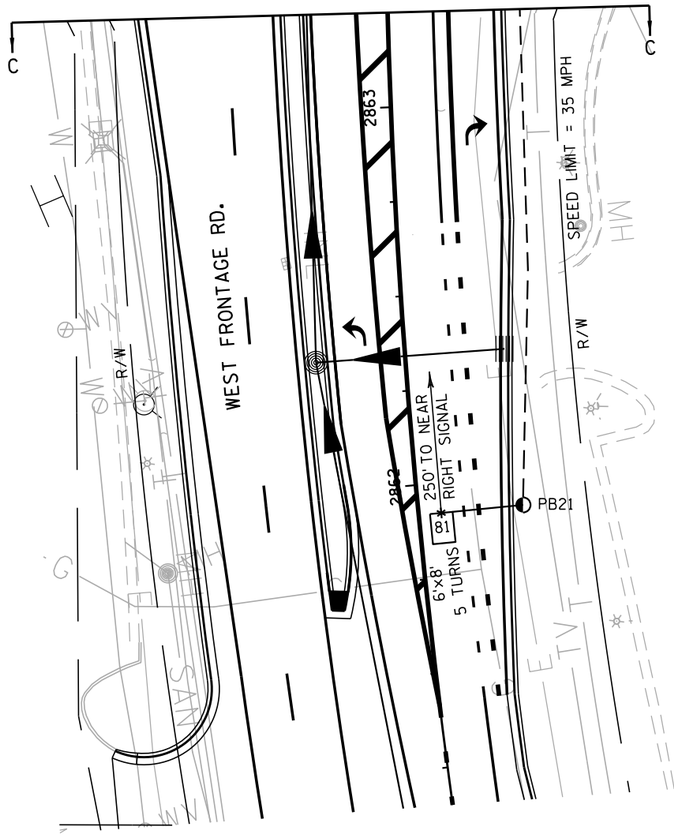
PAGE 2 OF 4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_216

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0728\S51-0728_pg2.dgn PLOT DATE : 25-JUL-2019 15:24 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1





TRAFFIC CONTROL SIGNAL
STH 20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0728

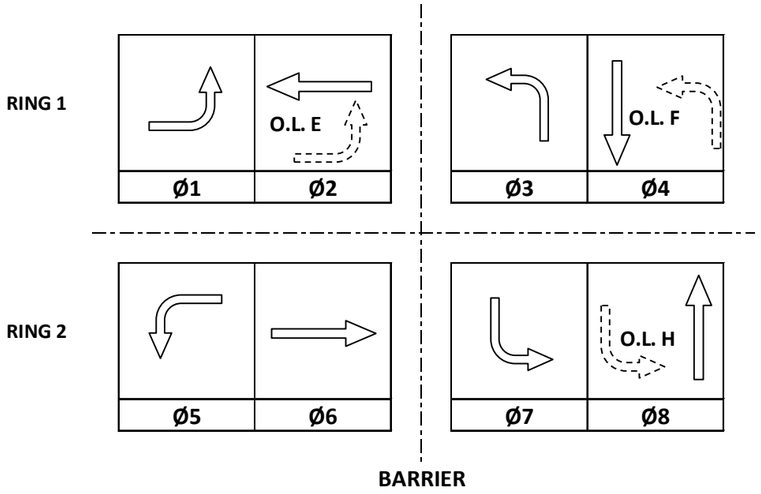
REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET	E

PRE_217

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ←
Ø2	8,9,10	R
Ø3	17,18,19	R ←
Ø4	20,21,22	R
Ø5	11,12,13	R ←
Ø6	1,2,3,4	R
Ø7	23,24,25	R ←
Ø8	14,15,16	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLE	5,6,7	-
OLF	17,18,19	-
OLG		
OLH	23,24,25	-



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	X
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0036

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	13	22	24	32	42	51	53	61	63	65	71	81	83		S1	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	2	2	3	4	5	5	6	6	6	7	8	8			CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X	X	X	X	X	X		X			CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X			EXTENTION OPTION
EXTEND TIME													X				EXTEND TIME
USE ADDED INITIAL			X	X					X	X	X						USE ADDED INITIAL
CROSS SWITCH PHASE	2				4							8					CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	21	23	31	41	43	52	54	62	64	66	72	82			S2	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	3	4	4	5	5	6	6	6	7	8				CALLED PHASE
CALL OPTION	X	X	X	X		X	X	X	X	X	X	X	X				CALL OPTION
DELAY TIME																	DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X				EXTENTION OPTION
EXTEND TIME					X												EXTEND TIME
USE ADDED INITIAL		X	X						X	X	X						USE ADDED INITIAL
CROSS SWITCH PHASE	2				4							8					CROSS SWITCH PHASE

STH20 & WEST FRONTAGE ROAD
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO: S51-0728 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: JUNE 2019 PAGE NU PRE_218

PROJECT NO: 1033-02-71	HWY: 20	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO:	E

2

PROJECT ID:	1033-02-71
INTERSECTION:	STH 20 & W FRONTAGE RD

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

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	7	16	RED	ORG	GRN								
SB2	12	6				RED	ORG	GRN	WHT/BLK				
		8	RED/BLK	ORG/BLK	GRN/BLK								
SB3	15	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		7				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		11				RED/WHT	BLU/WHT	GRN/WHT					
SB4	12	14	RED	ORG	GRN								
		24				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB5	12	17				RED	ORG	GRN	WHT/BLK				
		25				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB6	7	21	RED	ORG	GRN								
		22	RED	ORG	GRN								
SB7	7	1	RED	ORG	GRN								
SB8	12	5				RED	ORG	GRN	WHT/BLK				
		12				RED/BLK	ORG/BLK	GRN/BLK					
		13				RED/BLK	ORG/BLK	GRN/BLK					
SB9	7	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
SB10	12	18				RED	ORG	GRN	WHT/BLK				
		20	RED/BLK	ORG/BLK	GRN/BLK								
SB11	15	15	RED	ORG	GRN								
		19				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		23				RED/WHT	BLU/WHT	GRN/WHT	WHT/BLK				

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

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_219	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_cr.pptx PLOT DATE : 5/13/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_cr.pdf PLOT SCALE : 1:1

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB3	SB3
PB4	SB3
PB5	SB3
PB6	SB4
PB7	SB4
PB8	SB5
PB9	SB6
PB10	SB6
PB11	SB7
PB12	SB6
PB13	SB9
PB14	SB9
PB15	SB10
PB16	SB10
PB17	SB11
PB18	SB11
PB19	CB1

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB3
SB3	SB5
CB1	SB11
SB11	SB8

Emergency Vehicle Preemption	
From	To
CB1	SB9 (HEAD A)
CB1	SB3 (HEAD B)
CB1	SB11 (HEAD C)
CB1	SB5 (HEAD D)

Confirmation Beacon Cable Traffic Signal 3-14 AWG	
From	To
CB1	SB9 (HEAD A)
CB1	SB3 (HEAD B)
CB1	SB11 (HEAD C)
CB1	SB5 (HEAD D)

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_220	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_cr.pptx PLOT DATE : 5/13/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_cr.pdf PLOT SCALE : 1:1

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 EB OFF RAMP

IH-94 EB ON RAMP

865NW

864NW

865SW

863

862

SPEED LIMIT = 45 MPH

STH 20

R/W

OH

289 290 291 292 293 294 295

6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
IH-94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION	SHEET E

PRE_221

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324w_TSPre.dgn PLOT DATE : 21-MAY-2019 14:10 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

CONSTRUCTION NOTES:

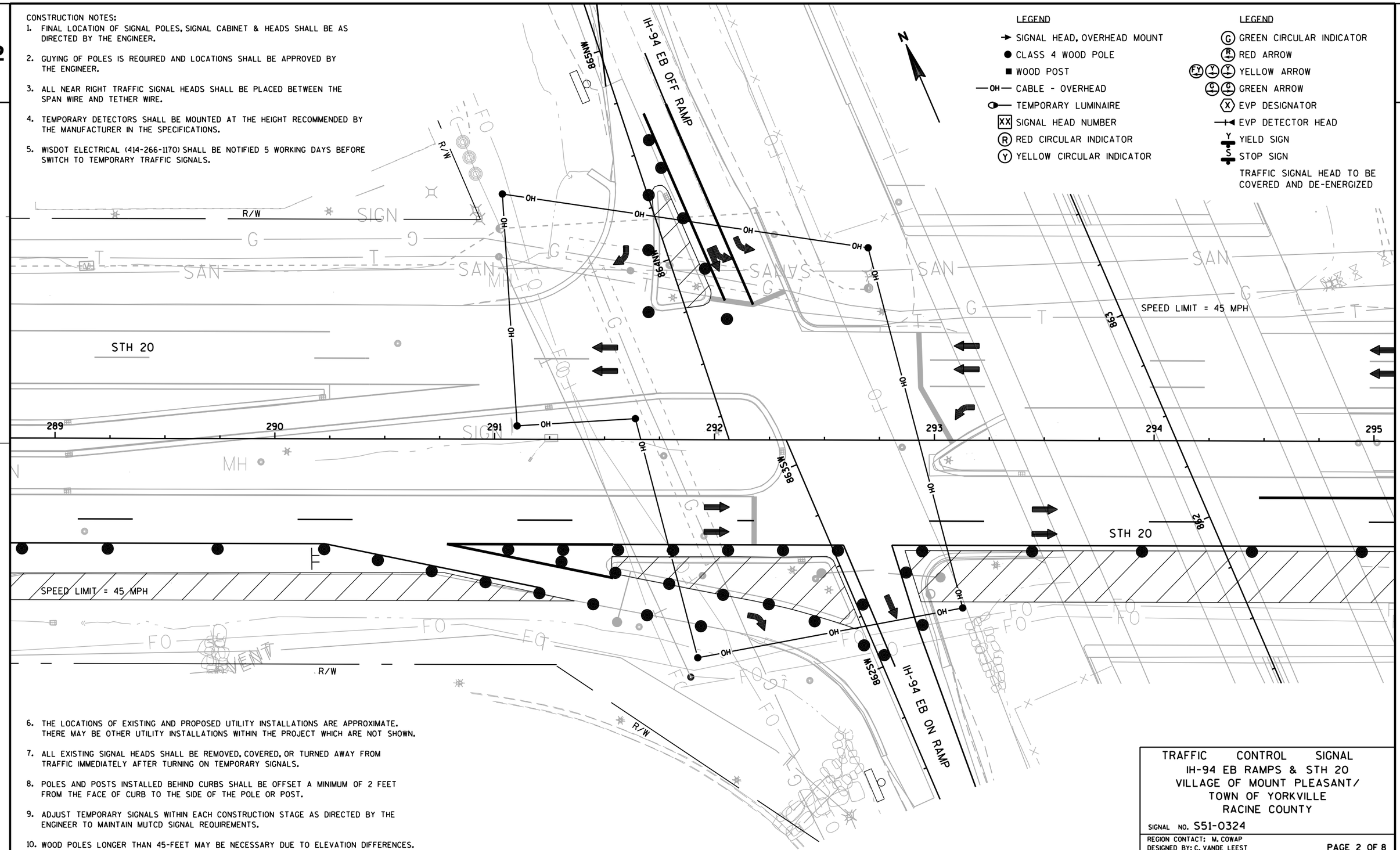
1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED



6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
IH-94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET E

PRE_222

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 EB OFF RAMP

IH-94 EB ON RAMP

STH 20

SPEED LIMIT = 45 MPH

SPEED LIMIT = 45 MPH

865NW

864NW

863

865SW

862

861

860

859

858

857

856

855

854

853

852

851

850

849

848

847

846

845

844

843

842

841

840

839

838

837

836

835

834

833

832

831

830

829

828

827

826

825

824

823

822

821

820

819

818

817

816

815

814

813

812

811

810

809

808

807

806

805

804

803

802

801

800

799

798

797

796

795

794

793

792

791

790

789

788

787

786

785

784

783

782

781

780

779

778

777

776

775

774

773

772

771

770

769

768

767

766

765

764

763

762

761

760

759

758

757

756

755

754

753

752

751

750

749

748

747

746

745

744

743

742

741

740

739

738

737

736

735

734

733

732

731

730

729

728

727

726

725

724

723

722

721

720

719

718

717

716

715

714

713

712

711

710

709

708

707

706

705

704

703

702

701

700

699

698

697

696

695

694

693

692

691

690

689

688

687

686

685

684

683

682

681

680

679

678

677

676

675

674

673

672

671

670

669

668

667

666

665

664

663

662

661

660

659

658

657

656

655

654

653

652

651

650

649

648

647

646

645

644

643

642

641

640

639

638

637

636

635

634

633

632

631

630

629

628

627

626

625

624

623

622

621

620

619

618

617

616

615

614

613

612

611

610

609

608

607

606

605

604

603

602

601

600

599

598

597

596

595

594

593

592

591

590

589

588

587

586

585

584

583

582

581

580

579

578

577

576

575

574

573

572

571

570

569

568

567

566

565

564

563

562

561

560

559

558

557

556

555

554

553

552

551

550

549

548

547

546

545

544

543

542

541

540

539

538

537

536

535

534

533

532

531

530

529

528

527

526

525

524

523

522

521

520

519

518

517

516

515

514

513

512

511

510

509

508

507

506

505

504

503

502

501

500

499

498

497

496

495

494

493

492

491

490

489

488

487

486

485

484

483

482

481

480

479

478

477

476

475

474

473

472

471

470

469

468

467

466

465

464

463

462

461

460

459

458

457

456

455

454

453

452

451

450

449

448

447

446

445

444

443

442

441

440

439

438

437

436

435

434

433

432

431

430

429

428

427

426

425

424

423

422

421

420

419

418

417

416

415

414

413

412

411

410

409

408

407

406

405

404

403

402

401

400

399

398

397

396

395

394

393

392

391

390

389

388

387

386

385

384

383

382

381

380

379

378

377

376

375

374

373

372

371

370

369

368

367

366

365

364

363

362

361

360

359

358

357

356

355

354

353

352

351

350

349

348

347

346

345

344

343

342

341

340

339

338

337

336

335

334

333

332

331

330

329

328

327

326

325

324

323

322

321

320

319

318

317

316

315

314

313

312

311

310

309

308

307

306

305

304

303

302

301

300

299

298

297

296

295

294

293

292

291

290

289

6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
IH-94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET	E

PRE_223

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324w_TS1B.dgn PLOT DATE : 21-MAY-2019 14:10 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 EB OFF RAMP

IH-94 EB ON RAMP

STH 20

SPEED LIMIT = 45 MPH

R/W

MS25NW

MS24NW

MS23

MS22SW

MS21SW

289 290 291 292 293 294 295

6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
IH-94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET E

PRE_224

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324w_TS2.dgn PLOT DATE : 21-MAY-2019 14:10 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 EB OFF RAMP

STH 20

SPEED LIMIT = 45 MPH

SPEED LIMIT = 45 MPH

STH 20

R/W

R/W

R/W

R/W

OH

289 290 291 292 293 294 295

863SW 863SW 863SW

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 EB OFF RAMP

R/W

SIGN

SPEED LIMIT = 45 MPH

STH 20

OH

MH

FO

289 290 291 298 293 294 295

298

863SW

862SW

IH-94 EB ION RAMP

TRAFFIC CONTROL SIGNAL
IH-94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET E

PRE_226

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324w_TS4A.dgn PLOT DATE : 21-MAY-2019 14:11 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 EB OFF RAMP

MS98

R/W

SIGN

SPEED LIMIT = 45 MPH

STH 20

OH

289 290 291 293 293 294 295 298

MS98SW

MS98E

MS98N

MS98S

SPEED LIMIT = 45 MPH

R/W

IH-94 EB ON RAMP

TRAFFIC CONTROL SIGNAL
IH-94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

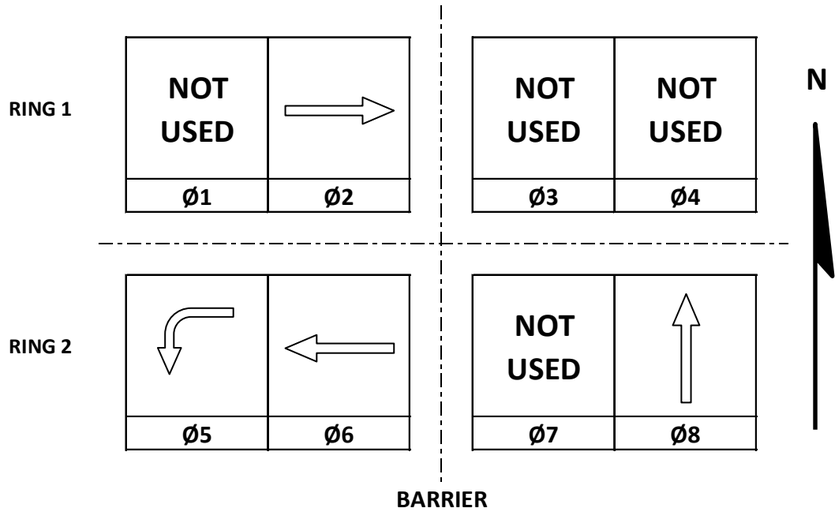
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET	E

PRE_227

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324w_TS4B.dgn PLOT DATE : 21-MAY-2019 14:11 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	0	R
Ø3		
Ø4		
Ø5	0	R ←
Ø6	0	R
Ø7		
Ø8	0	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	D
MOVEMENT	← ↙	← →	↑
PHASE	2+5	6+2	8

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

IH 94 EB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT / TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO: T51-0324A CABINET TYPE: TS1
CONTROLLER TYPE: ECONOLITE
DATE: JULY 2019 PAGE NUMBER: 8 OF 8

PROJECT NO: 1033-02-71	HWY: IH 94	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: PRE_228	E

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- —OH— CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 WB ON RAMP

863NE

862NE

861SE

860SE

IH-94 WB OFF RAMP

R/W

SPEED LIMIT = 45 MPH

STH 20

863

862

294 295 296 297 298 299

SIGN

SIGN

OH HO FO T G C F TV

6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 1 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION	SHEET PRE_229	E

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 WB ON RAMP

863NE

862NE

R/W

SPEED LIMIT = 45 MPH

STH 20

863

862

294

295

296

297

298

299

SIGN

SIGN

SPEED LIMIT = 45 MPH

861SE

860SE

IH-94 WB OFF RAMP

STH 20

R/W

R/W

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET	E

PRE_230

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324e_TS1A.dgn PLOT DATE : 21-MAY-2019 14:08 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY) (Y) (Y) YELLOW ARROW
- (G) (G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 WB ON RAMP

863NE

862NE

R/W

SPEED LIMIT = 45 MPH

STH 20

863

294

295

296

297

298

299

SIGN

SIGN

OH

HO

861SE

IH-94 WB OFF RAMP

860SE

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET	E

PRE_231

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324e_TS1B.dgn PLOT DATE : 21-MAY-2019 14:08 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

863

863NE

IH-94 WB ON RAMP

R/W

OH

HO

862NE

294

295

296

297

298

299

SIGN

SPEED LIMIT = 45 MPH

STH 20

298

861SE

SPEED LIMIT = 45 MPH

STH 20

R/W

R/W

IH-94 WB OFF RAMP

860SE

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET	E

PRE_232

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324e_TS2.dgn PLOT DATE : 21-MAY-2019 14:08 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

IH-94 WB ON RAMP

IH-94 WB OFF RAMP

STH 20

STH 20

SPEED LIMIT = 45 MPH

SPEED LIMIT = 45 MPH

R/W

R/W

R/W

863NE

862NE

861SE

860SE

294 295 296 297 298 299

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET	E

PRE_233

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324e_TS3.dgn PLOT DATE : 21-MAY-2019 14:08 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

SPEED LIMIT = 45 MPH

N

R/W

IH-94 WB ON RAMP

863NE

862NE

STH 20

294 295 296 297 298 299

298

SPEED LIMIT = 45 MPH

861SE

860SE

IH-94 WB OFF RAMP

ONLY

R/W

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET	E

PRE_234

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324e_TS4A.dgn PLOT DATE : 21-MAY-2019 14:08 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

R/W

SPEED LIMIT = 45 MPH

N

IH-94 WB ON RAMP

863NE

862NE

861SE

860SE

IH-94 WB OFF RAMP

STH 20

SPEED LIMIT = 45 MPH

294 295 296 297 298 299

R/W

ONLY

TRAFFIC CONTROL SIGNAL
IH-94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 7 OF 8

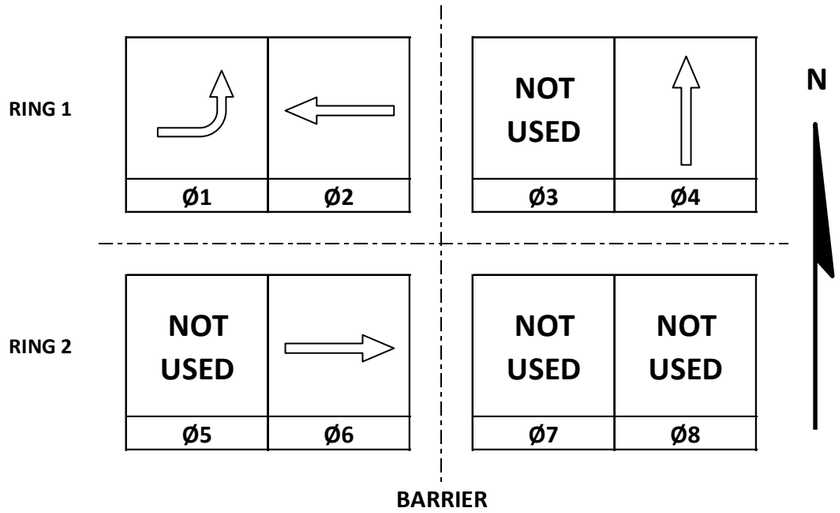
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET	E

PRE_235

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324e_TS4B.dgn PLOT DATE : 21-MAY-2019 14:08 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

	HEAD NUMBERS	FLASH
Ø1	0	R ←
Ø2	0	R
Ø3		
Ø4	0	R
Ø5		
Ø6	0	R
Ø7		
Ø8		
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C
MOVEMENT	← →	↱ →	↑
PHASE	2+6	6+1	4

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

IH 94 WB RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/ TOWN OF YORKVILLE
RACINE COUNTY

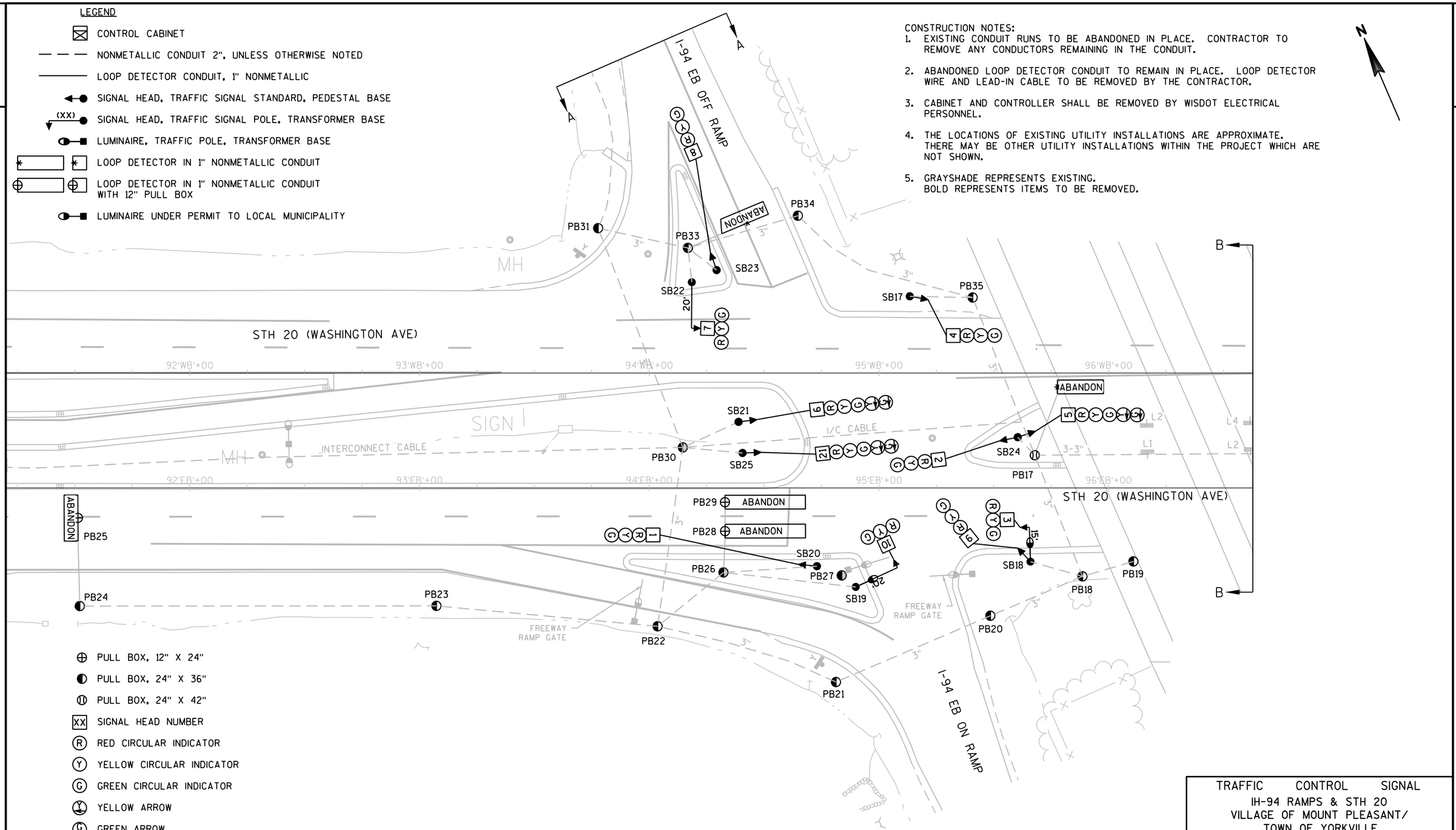
SIGNAL NO: T51-0324B	CABINET TYPE: TS1
	CONTROLLER TYPE: ECONOLITE
DATE: JULY 2019	PAGE NUMBER: 8 OF 8

PROJECT NO: 1033-02-71	HWY: IH 94	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: PRE_236	E

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT WITH 12" PULL BOX
- LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY

CONSTRUCTION NOTES:
1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



- PULL BOX, 12" X 24"
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- Y YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
IH-94 RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

PAGE 1 OF 3

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET PRE_237 E

2

N

I-94 WB ON RAMP

FREEWAY RAMP GATE

INTERCONNECT CABLE

CB1 PB1 PB2 PB3 PB4 PB5 PB6 PB7 PB8 PB14 PB15 PB16

SB27 SB28 SB30 SB32 SB33 SB34 SB35

ABANDON*

STH 20 (WASHINGTON AVE)

97'WB'+00 98'WB'+00 99'WB'+00 100'WB'+00 101'WB'+00 102'WB'+00

97'EB'+00 98'EB'+00 99'EB'+00 100'EB'+00 101'EB'+00 102'EB'+00

SIGN

L4 L2

B B C C

I-94 WB OFF RAMP

TRAFFIC CONTROL SIGNAL
IH-94 RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

PAGE 2 OF 3

PRE_238

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E

FILE NAME : J:\PROJECTS\D2_10330294\71\SIG\S51-0324\S51-0324_REM.DWG
LAYOUT NAME - S51-0324_REM_PG2

PLOT DATE : 3/22/2019 7:42 AM PLOT BY : SANTIAGO PEREZ, EDGAPLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

N

I-94 EB OFF RAMP

I SIGN

ABANDON

PB32

I SIGN

A

A

C

C

ABANDON

PB9

I-94 WB OFF RAMP

ABANDON

PB36

TRAFFIC CONTROL SIGNAL
IH-94 RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

PAGE 3 OF 3

PRE_239

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E

FILE NAME : J:\PROJECTS\D2_10330294\71\SIG\S51-0324\S51-0324_REM.DWG
LAYOUT NAME - S51-0324_REM_PG3

PLOT DATE : 3/22/2019 7:42 AM PLOT BY : SANTIAGO PEREZ, EDGAPLOT NAME : PLOT SCALE : 1 IN:40 FT

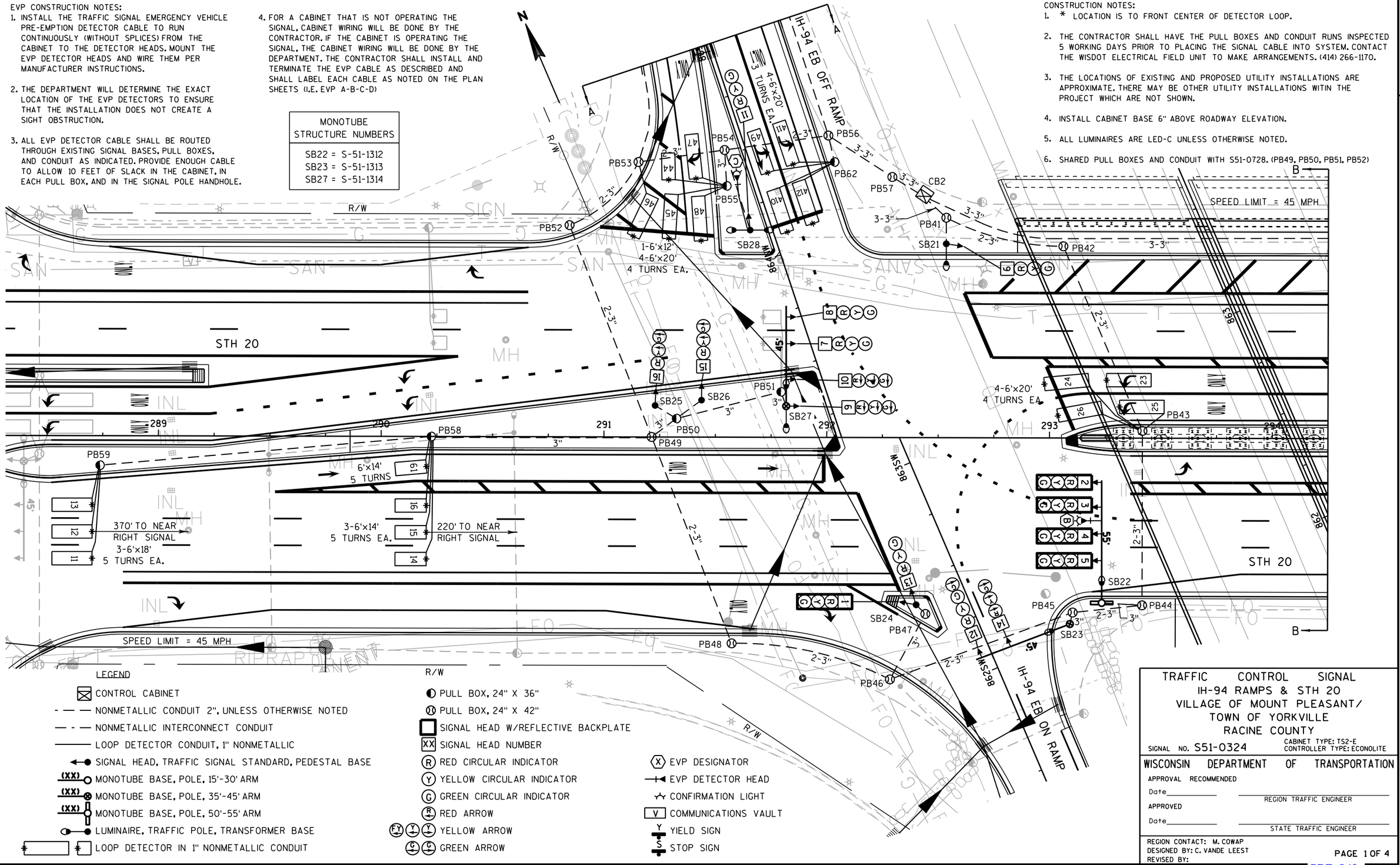
EVP CONSTRUCTION NOTES:

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

MONOTUBE STRUCTURE NUMBERS
SB22 = S-51-1312
SB23 = S-51-1313
SB27 = S-51-1314

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING THE SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITIN THE PROJECT WHICH ARE NOT SHOWN.
4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
5. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
6. SHARED PULL BOXES AND CONDUIT WITH S51-0728. (PB49, PB50, PB51, PB52)



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 50'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD W/REFLECTIVE BACKPLATE
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y Y YELLOW ARROW
- G G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- V COMMUNICATIONS VAULT
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC CONTROL SIGNAL
IH-94 RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/ TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date_____ REGION TRAFFIC ENGINEER

APPROVED
Date_____ STATE TRAFFIC ENGINEER

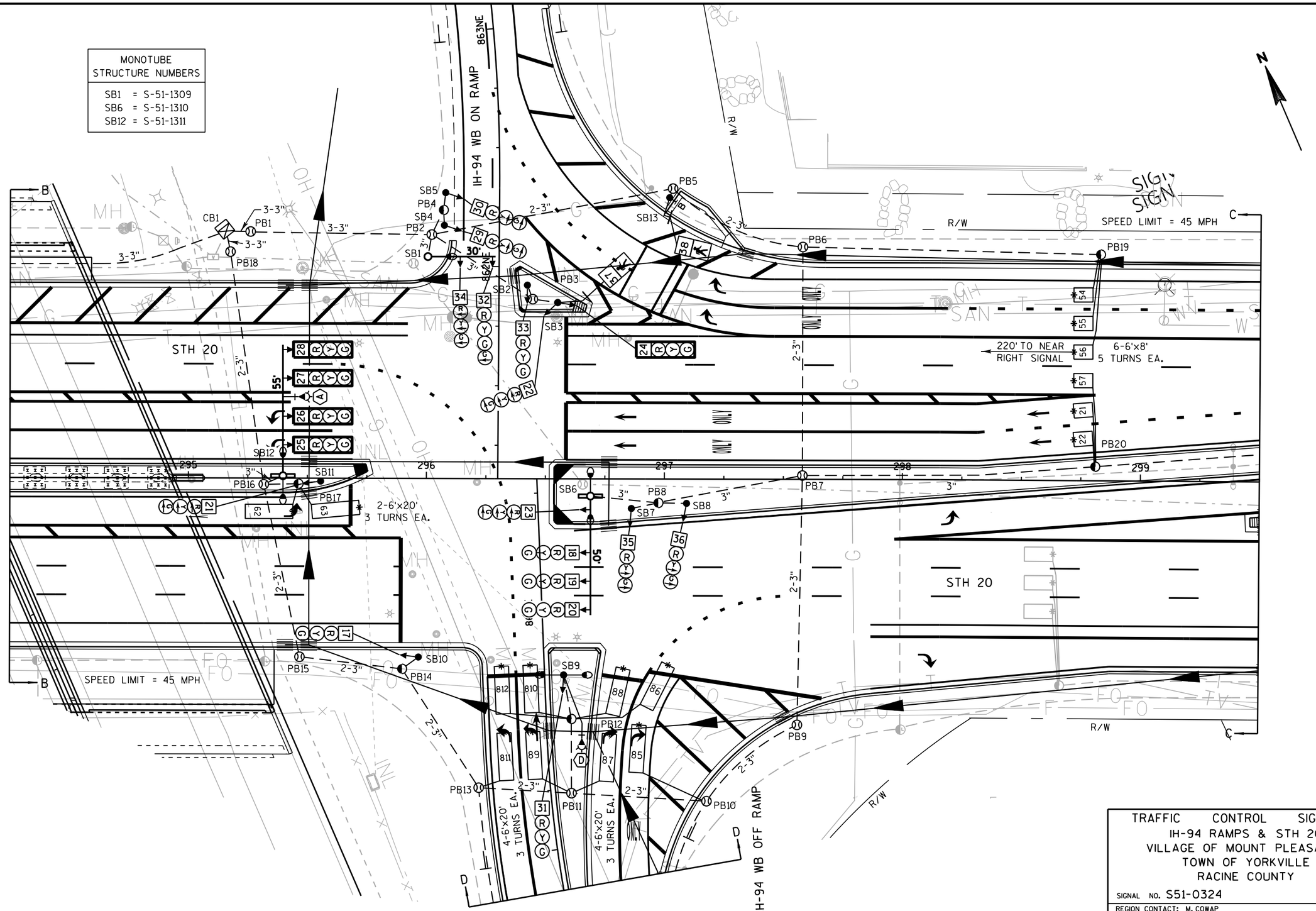
REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 1 OF 4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_240

MONOTUBE STRUCTURE NUMBERS
SB1 = S-51-1309
SB6 = S-51-1310
SB12 = S-51-1311



TRAFFIC CONTROL SIGNAL
IH-94 RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

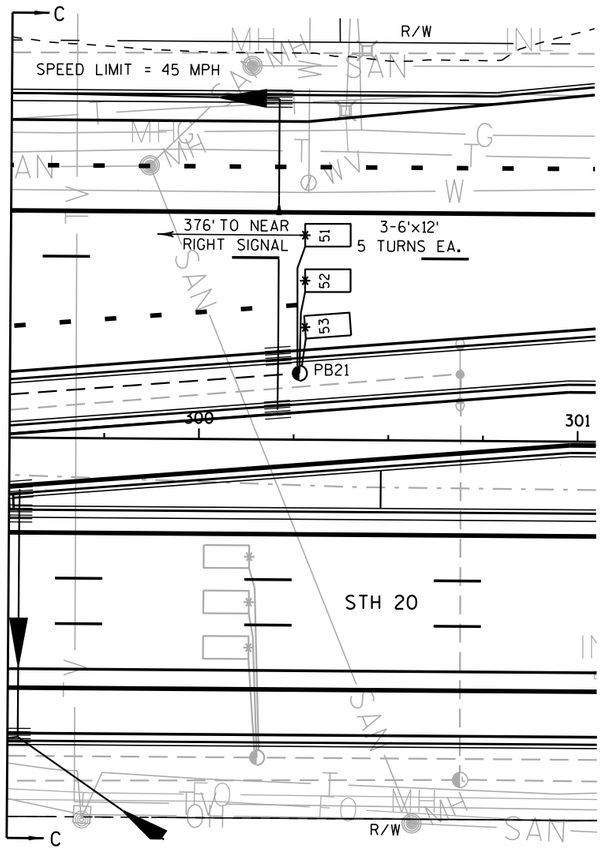
PAGE 2 OF 4

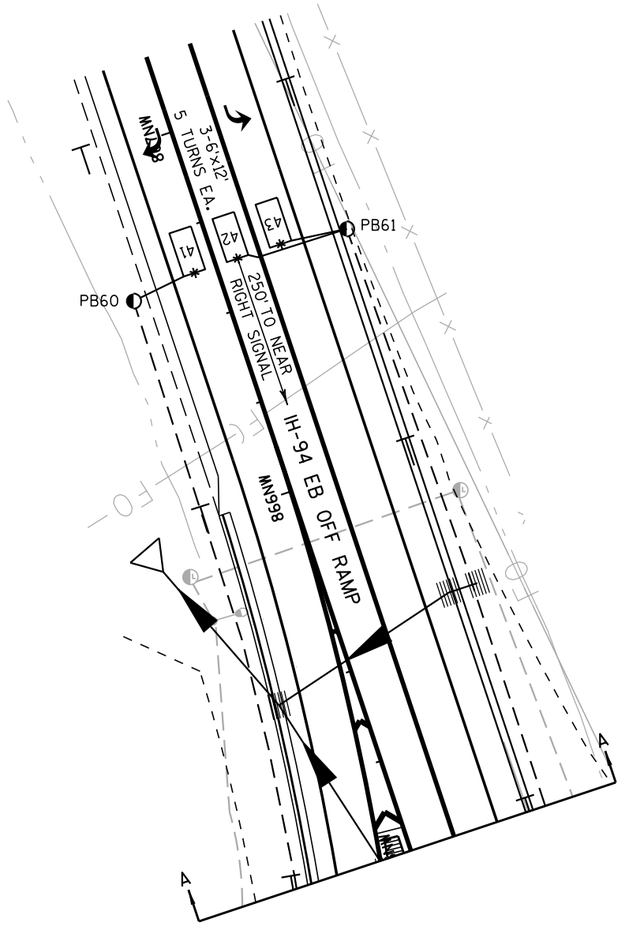
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

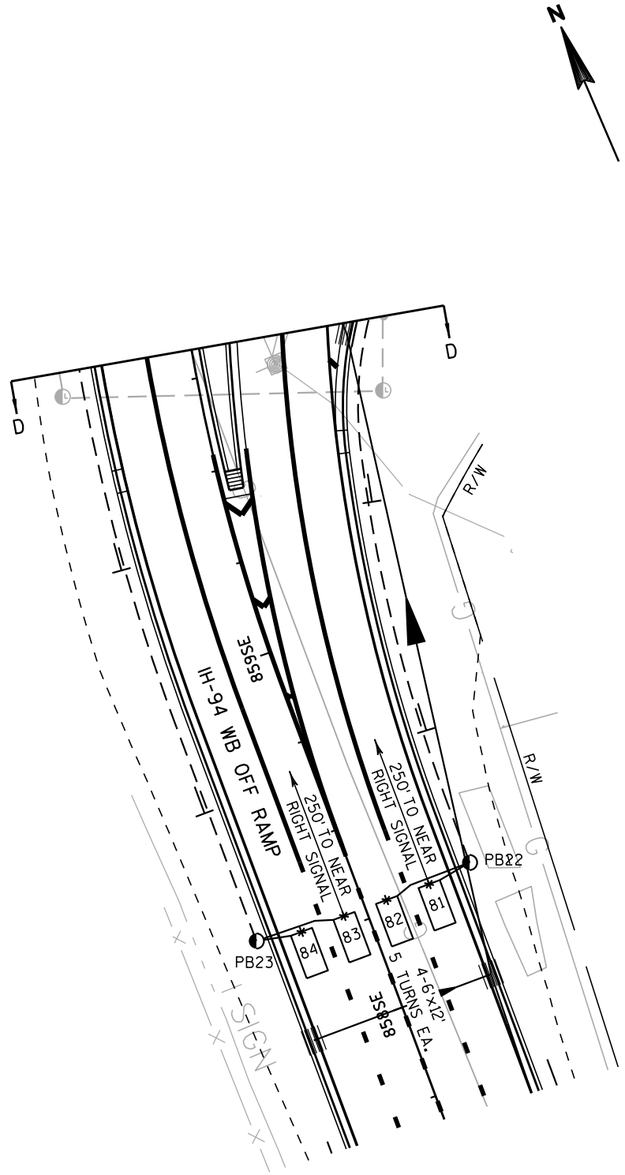
PRE_241

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324_pg2.dgn PLOT DATE : 25-JUL-2019 15:23 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42







TRAFFIC CONTROL SIGNAL
IH-94 RAMPS & STH 20
VILLAGE OF MOUNT PLEASANT/
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO. S51-0324

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_242

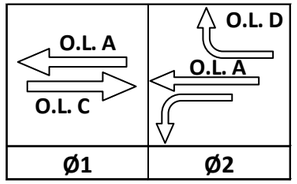
FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0324\S51-0324_pg3.dgn PLOT DATE : 25-JUL-2019 15:23 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

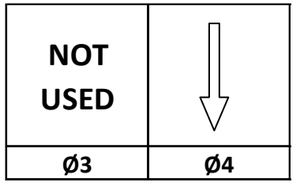
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	1,2,3,4,5,6,7,8	-
Ø2	9,10	R
Ø3		
Ø4	11,12,13,14,15,16	R
Ø5	17,18,19,20,24,25,26,27,28,29,30	-
Ø6	21,22,23	R
Ø7	0	-
Ø8	31,32,33,34,35,36	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA	6,7,8,9,25,26,27,28,29	
OLB	1,2,3,4,5,18,19,20,21	
OLC	1,2,3,4,5	
OLD	31,32	
OLE	6,7,8,9,25,26,27,28,29	
OLF	36,37	

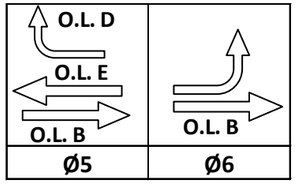
** WEST RAMP INTERSECTION

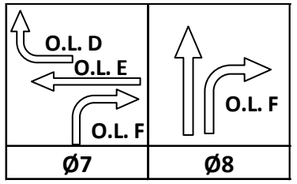
RING 1





RING 2





** EAST RAMP INTERSECTION

** RING 1 SHALL CONTROL THE WEST RAMP
** RING 2 SHALL CONTROL THE EAST RAMP

N

CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

AFTER PREEMPTION SEQUENCE 1+6, CONTROLLER SHALL RETURN TO PHAS
AFTER PREEMPTION SEQUENCE 5+2, CONTROLLER SHALL RETURN TO PHAS

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

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	X
ADAPTIVE	
SIGNAL SYSTEM NO:	SS- 51-0036

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	13	15	21	23	25	41	43	45	47	49	411	51	53	55	57	62	81	83	85	87	89	811		PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	1	2	2	2	4	4	4	4	4	4	5	5	5	5	6	8	8	8	8	8	8		CALLED PHASE
CALL OPTION	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X			X	X	X	X		CALL OPTION
DELAY TIME									X	X										X	X				DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		EXTENTION OPTION
EXTEND TIME							X	X										X	X						EXTEND TIME
USE ADDED INITIAL	X	X	X										X	X	X	X									USE ADDED INITIAL
CROSS SWITCH PHASE																									CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	14	16	22	24	26	42	44	46	48	410	412	52	54	56	61	63	82	84	86	88	810	812		PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	1	2	2	2	4	4	4	4	4	4	5	5	5	6	6	8	8	8	8	8	8		CALLED PHASE
CALL OPTION	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X			X	X	X	X		CALL OPTION
DELAY TIME									X	X										X	X				DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		EXTENTION OPTION
EXTEND TIME							X	X										X	X						EXTEND TIME
USE ADDED INITIAL	X	X	X										X	X	X										USE ADDED INITIAL
CROSS SWITCH PHASE																									CROSS SWITCH PHASE

IH 94 RAMPS & STH 20
TOWN OF YORKVILLE
RACINE COUNTY

SIGNAL NO: S51-0324 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: July 2019 PAGE NU PRE_243

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO:	E

2

PROJECT ID:	1033-02-71
INTERSECTION:	IH-94 RAMPS & STH 20

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

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	12	32	RED	ORG	GRN			GRN/BLK					
		34				RED/BLK	ORG/BLK	GRN/BLK					
SB2	7	33	RED	ORG	GRN								
SB3	12	22				RED	ORG	GRN					
		24	RED/BLK	ORG/BLK	GRN/BLK								
SB4	7	29	RED				ORG	GRN					
SB5	7	30	RED				ORG	GRN					
SB6	12	18	RED	ORG	GRN								
		19	RED	ORG	GRN								
		20	RED	ORG	GRN								
		23				RED/BLK	ORG/BLK	GRN/BLK					
SB7	7	35	RED				ORG	GRN					
SB8	7	36	RED				ORG	GRN					
SB9	7	31	RED	ORG	GRN								
SB10	7	17	RED	ORG	GRN								
SB11	7	21				RED	ORG	GRN					
SB12	7	25	RED	ORG	GRN								
		26	RED	ORG	GRN								
		27	RED	ORG	GRN								
		28	RED	ORG	GRN								

CB1 TO	AWG12 FEEDER # OF CONDUCTORS	WHITE GROUND	GREEN BONDING	
CB2 (SPLICE)	15 (CABLE 1)	AWG 8	AWG 8	SEE PAGE 3 FOR CB2 (SPLICE CABINET) CABLING
CB2 (SPLICE)	15 (CABLE 2)			

Lighting UF 2-8 AWG Grounded	
From	To
CB1	CB2

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

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_244	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_cr.pptx PLOT DATE : 5/17/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_cr.pdf PLOT SCALE : 1:1

2

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB3	SB2
PB4	SB1
PB5	SB1
PB6	SB1
PB7	SB6
PB8	SB6
PB9	SB9
PB10	SB9
PB11	SB9
PB12	SB9
PB13	SB10
PB14	SB10
PB15	SB10
PB16	SB12
PB17	SB12
PB18	CB1

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB1
SB1	SB6
CB1	SB12
SB12	SB9

Emergency Vehicle Preemption	
From	To
CB1	SB12 (HEAD A)
CB1	SB22 (HEAD B)
CB1	SB28 (HEAD C)
CB1	SB9 (HEAD D)

Confirmation Beacon Cable Traffic Signal 3-14 AWG	
From	To
CB1	SB12 (HEAD A)
CB1	SB22 (HEAD B)
CB1	SB28 (HEAD C)
CB1	SB9 (HEAD D)

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_cr.pptx PLOT DATE : 5/17/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_cr.pdf PLOT SCALE : 1:1

PROJECT ID:	1033-02-71
INTERSECTION:	IH-94 RAMPS & STH 20

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

CB2 TO	AWG12 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB21	7	6	RED	ORG	GRN								
SB22	7	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		5	RED	ORG	GRN								
SB23	12	12	RED	ORG	GRN			GRN/BLK					
		14				RED/BLK	ORG/BLK	GRN/BLK					
SB24	12	1	RED	ORG	GRN								
		13	RED/BLK	ORG/BLK	GRN/BLK								
SB25	7	16	RED				ORG	GRN					
SB26	7	15	RED				ORG	GRN					
SB27	12	7	RED	ORG	GRN								
		8	RED	ORG	GRN								
		9				RED/BLK	ORG/BLK	GRN/BLK					
		10				RED	ORG	GRN					
SB28	7	11	RED	ORG	GRN								

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

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_cr.pptx PLOT DATE : 5/17/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_cr.pdf PLOT SCALE : 1:1

2

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB2	SB21
SB21	SB22
SB22	SB23
SB23	SB24
SB24	SB25
SB25	SB26
SB26	SB27
SB27	SB28
SB28	CB2

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB41	CB2
PB42	CB2
PB43	SB22
PB44	SB22
PB45	SB23
PB46	SB24
PB47	SB24
PB48	SB24
PB49	SB27
PB50	SB27
PB51	SB27
PB52	SB28
PB53	SB28
PB54	SB28
PB56	CB2
PB57	CB2

Lighting UF 2-10 AWG Grounded	
From	To
CB2	SB21
SB21	SB22
SB22	SB23
CB2	SB28
SB28	SB27

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_247	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_cr.pptx PLOT DATE : 5/17/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_cr.pdf PLOT SCALE : 1:1

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. TEMPORARY DETECTORS SHALL BE MOUNTED AT THE HEIGHT RECOMMENDED BY THE MANUFACTURER IN THE SPECIFICATIONS.
5. WISDOT ELECTRICAL (414-266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE SWITCH TO TEMPORARY TRAFFIC SIGNALS.

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

STH 20

E. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ALL EXISTING SIGNAL HEADS SHALL BE REMOVED, COVERED, OR TURNED AWAY FROM TRAFFIC IMMEDIATELY AFTER TURNING ON TEMPORARY SIGNALS.
8. POLES AND POSTS INSTALLED BEHIND CURBS SHALL BE OFFSET A MINIMUM OF 2 FEET FROM THE FACE OF CURB TO THE SIDE OF THE POLE OR POST.
9. ADJUST TEMPORARY SIGNALS WITHIN EACH CONSTRUCTION STAGE AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD SIGNAL REQUIREMENTS.
10. WOOD POLES LONGER THAN 45-FEET MAY BE NECESSARY DUE TO ELEVATION DIFFERENCES.

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRECONSTRUCTION	SHEET	E

PRE_248

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TSPre.dgn PLOT DATE : 21-MAY-2019 14:35 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

E. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

STH 20

R/W

OH

HO

5860

5859

3858

300 301 302 303 304 305 306

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 2 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1A	SHEET E

PRE_249

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TS1A.dgn PLOT DATE : 21-MAY-2019 14:35 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

SPEED LIMIT = 35 MPH

R/W

E. FRONTAGE RD.

STH 20

SPEED LIMIT = 45 MPH

OH

HO

5860

5859

3856

3858

300 301 302 303 304 305 306

SAN SIGN SAMH SAWV FO T G W E TV

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 3 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1B	SHEET	E

PRE_250

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TS1B.dgn PLOT DATE : 21-MAY-2019 14:35 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

E. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

STH 20

R/W

OH

HO

5860

5859

3856

3858

300 301 302 303 304 305 306

SIGN

SAN

SAMH

T

G

W

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 4 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2	SHEET E

PRE_251

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TS2.dgn PLOT DATE : 21-MAY-2019 14:35 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

STH 20

E. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

R/W

OH

HO

300 301 302 303 304 305 306

5859 3856 3858

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 5 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3	SHEET	E

PRE_252

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TS3.dgn PLOT DATE : 21-MAY-2019 14:35 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN
- TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

E. FRONTAGE RD.

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

STH 20

R/W

OH

SAN

SIGN

T

G

W

FO

MH

WV

5859

3850

3860

3851

300 301 302 303 304 305 306

ONLY

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 6 OF 8

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4A	SHEET E

PRE_253

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TS4A.dgn PLOT DATE : 21-MAY-2019 14:36 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- OH — CABLE - OVERHEAD
- TEMPORARY LUMINAIRE
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR

LEGEND

- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (FY)(Y)(Y) YELLOW ARROW
- (G)(G) GREEN ARROW
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- Y YIELD SIGN
- S STOP SIGN

TRAFFIC SIGNAL HEAD TO BE COVERED AND DE-ENERGIZED

N

SPEED LIMIT = 35 MPH

SPEED LIMIT = 45 MPH

E. FRONTAGE RD.

STH 20

R/W

OH

HO

SAN

SIGN

T

G

W

FO

MH

5858

5859

3858

3856

300

301

302

303

304

305

306

ONLY

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

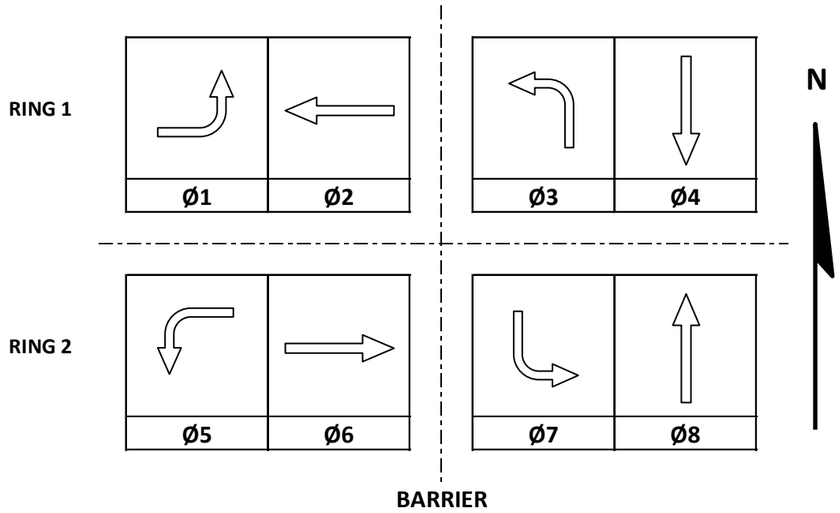
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4B	SHEET	E

PRE_254

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_TS4B.dgn PLOT DATE : 21-MAY-2019 14:36 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

	HEAD NUMBERS	FLASH
Ø1	0	R ←
Ø2	0	R
Ø3	0	R ←
Ø4	0	R
Ø5	0	R ←
Ø6	0	R
Ø7	0	R ←
Ø8	0	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

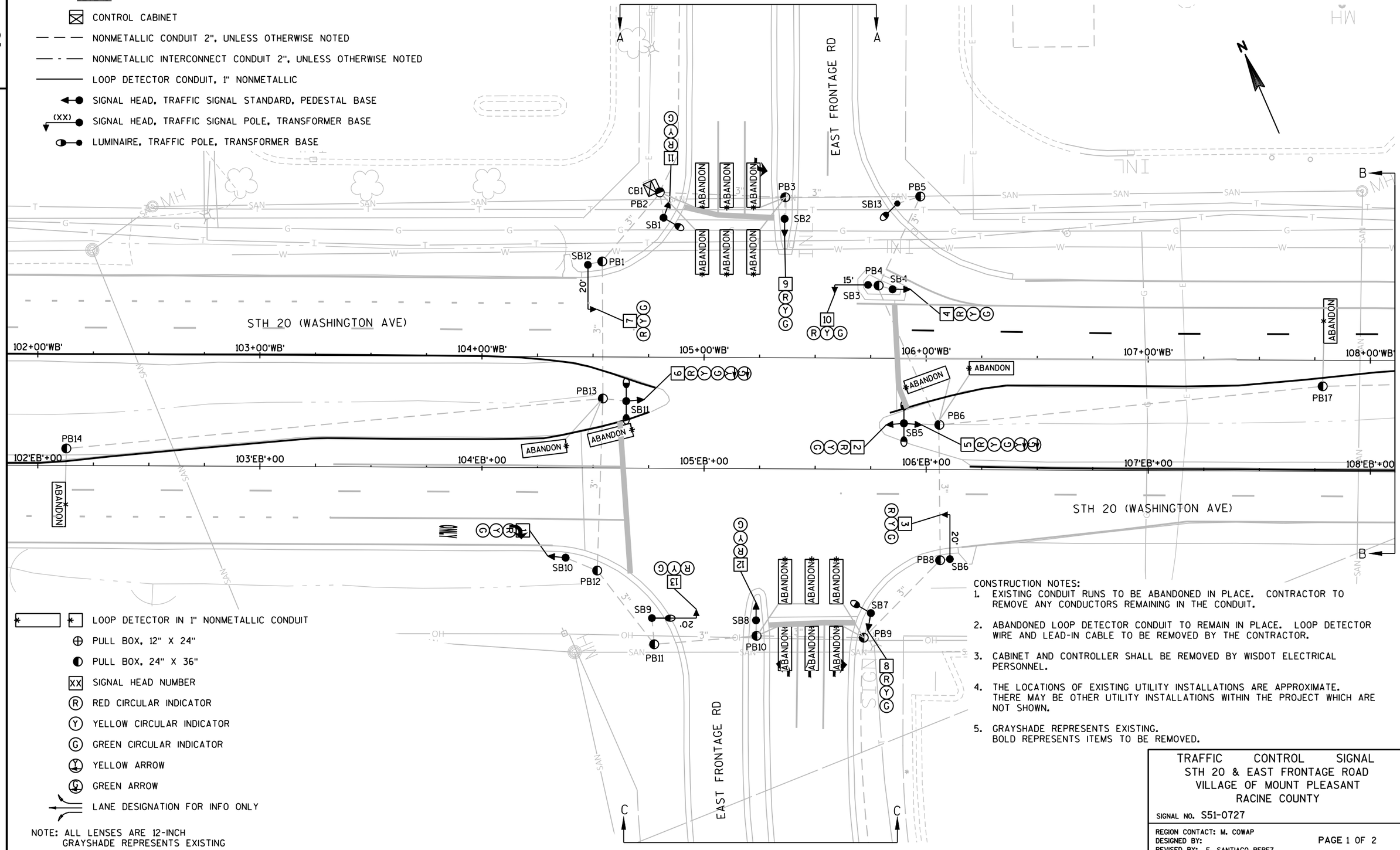
EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY
SIGNAL NO: T51-0727 CABINET TYPE: TS1
CONTROLLER TYPE: ECONOLITE
DATE: JULY 2017 PAGE NUMBER: 8 OF 8

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE



- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 12" X 24"
- PULL BOX, 24" X 36"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- YELLOW ARROW
- GREEN ARROW
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

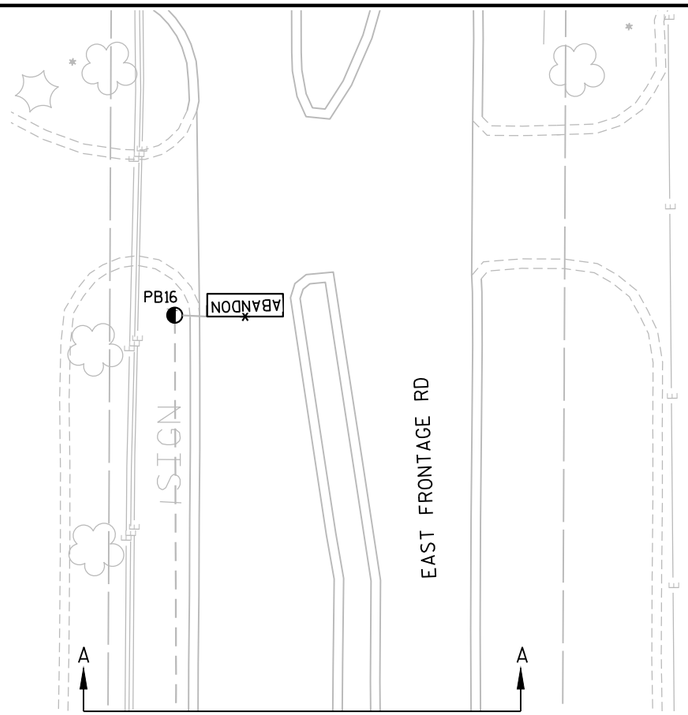
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

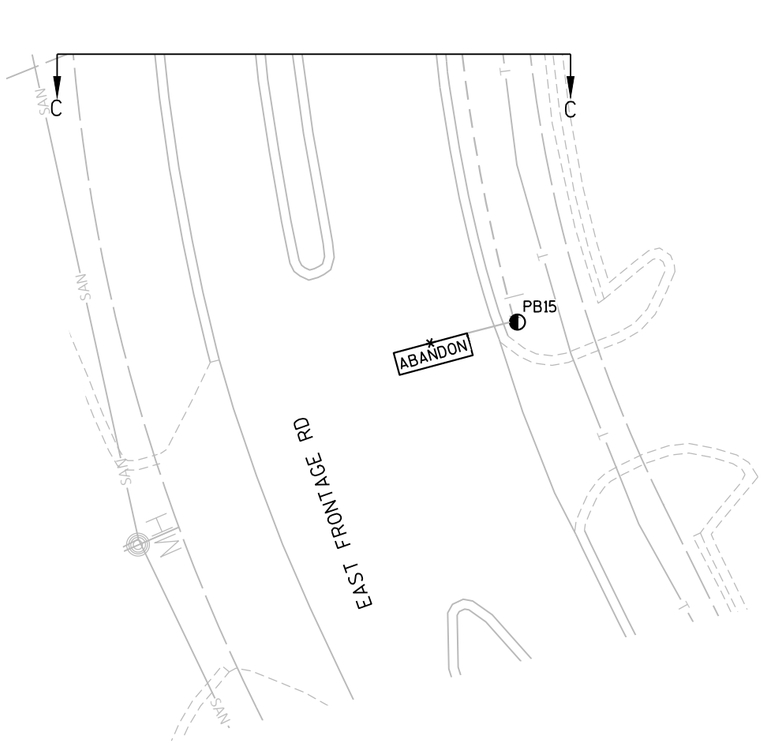
PROJECT NO:1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET E

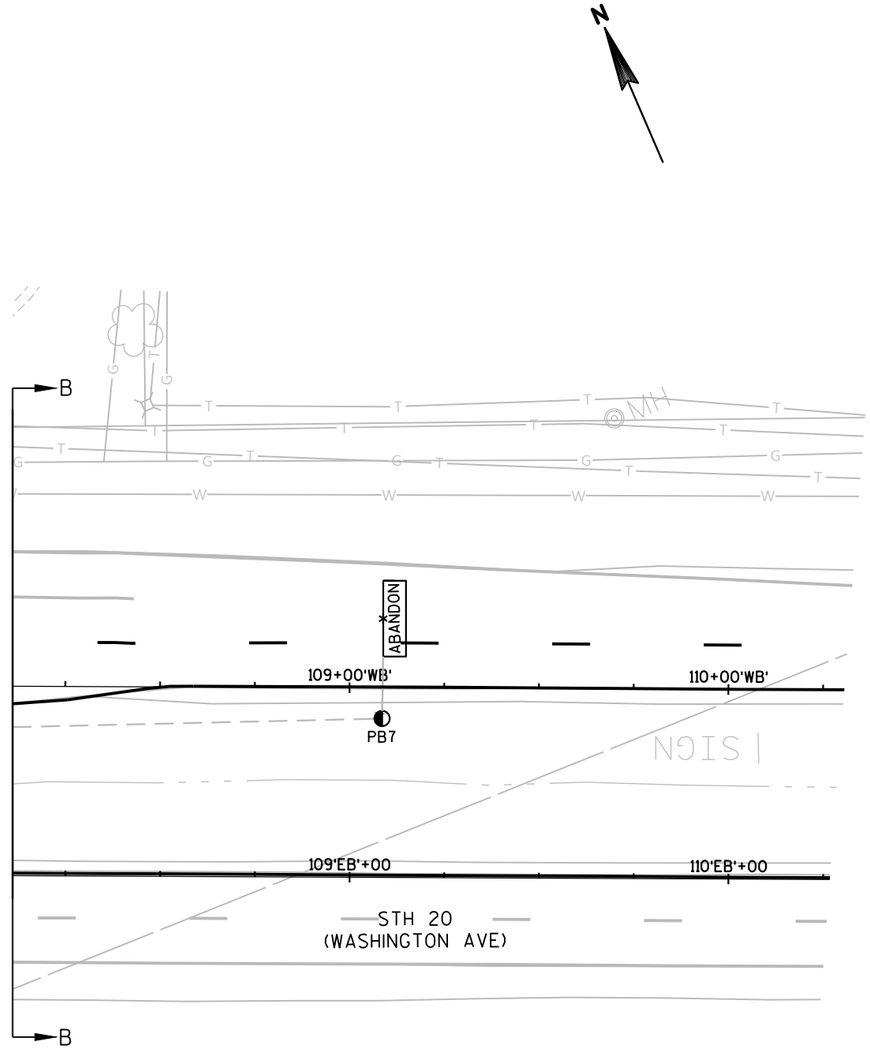
PRE_256

FILE NAME : J:\PROJECTS\D2_10330294\71\SIG\S51-0727\S51-0727_REM.DWG
LAYOUT NAME - S51-0727_REM_PG1
PLOT DATE : 3/22/2019 8:02 AM PLOT BY : SANTIAGO PEREZ, EDGAPLOT NAME : PLOT SCALE : 1 IN:40 FT

2







TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: E. SANTIAGO PEREZ

PAGE 2 OF 2

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET	E

PRE_257

FILE NAME : J:\PROJECTS\D2_10330294\71\SIG\S51-0727\S51-0727_REM.DWG
LAYOUT NAME - S51-0727_REM_PG2

PLOT DATE : 3/22/2019 8:02 AM PLOT BY : SANTIAGO PEREZ, EDGAPLOT NAME : PLOT SCALE : 1 IN:40 FT

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

LEGEND
- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY Y YELLOW ARROW
- G GREEN ARROW
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- V COMMUNICATIONS VAULT
- Y YIELD SIGN
- S STOP SIGN

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

MONOTUBE STRUCTURE NUMBERS
SB3 = S-51-1315
SB6 = S-51-1316
SB7 = S-51-1317
SB8 = S-51-1318
SB11 = S-51-1319

TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY
SIGNAL NO. S51-0727
CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

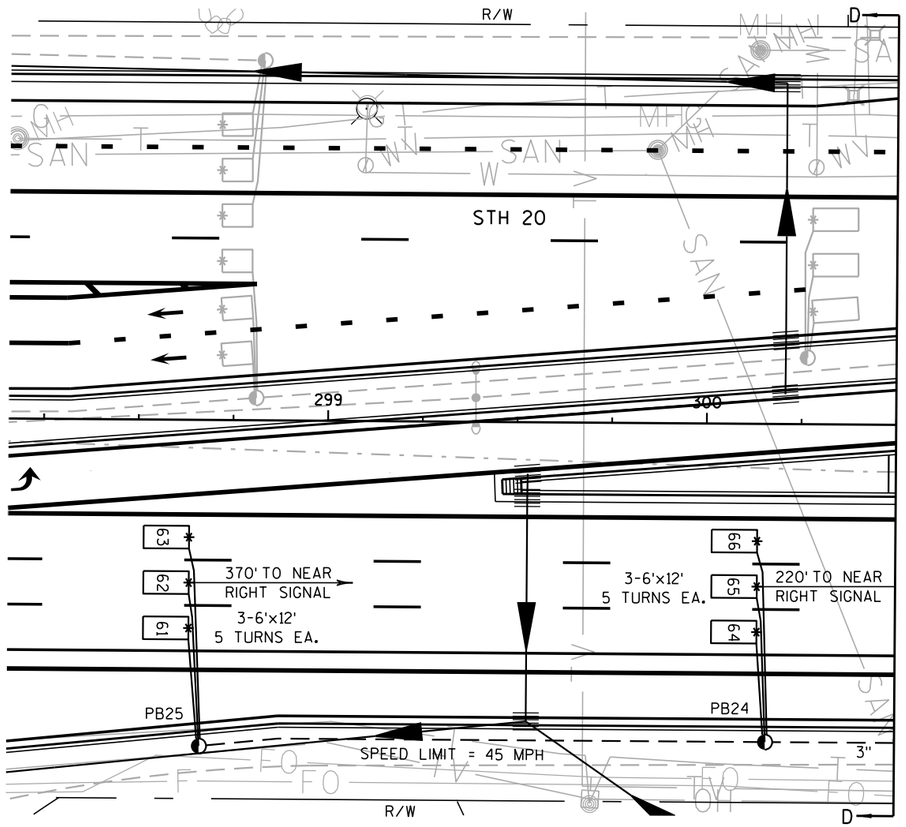
WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
Date_____ REGION TRAFFIC ENGINEER
APPROVED
Date_____ STATE TRAFFIC ENGINEER

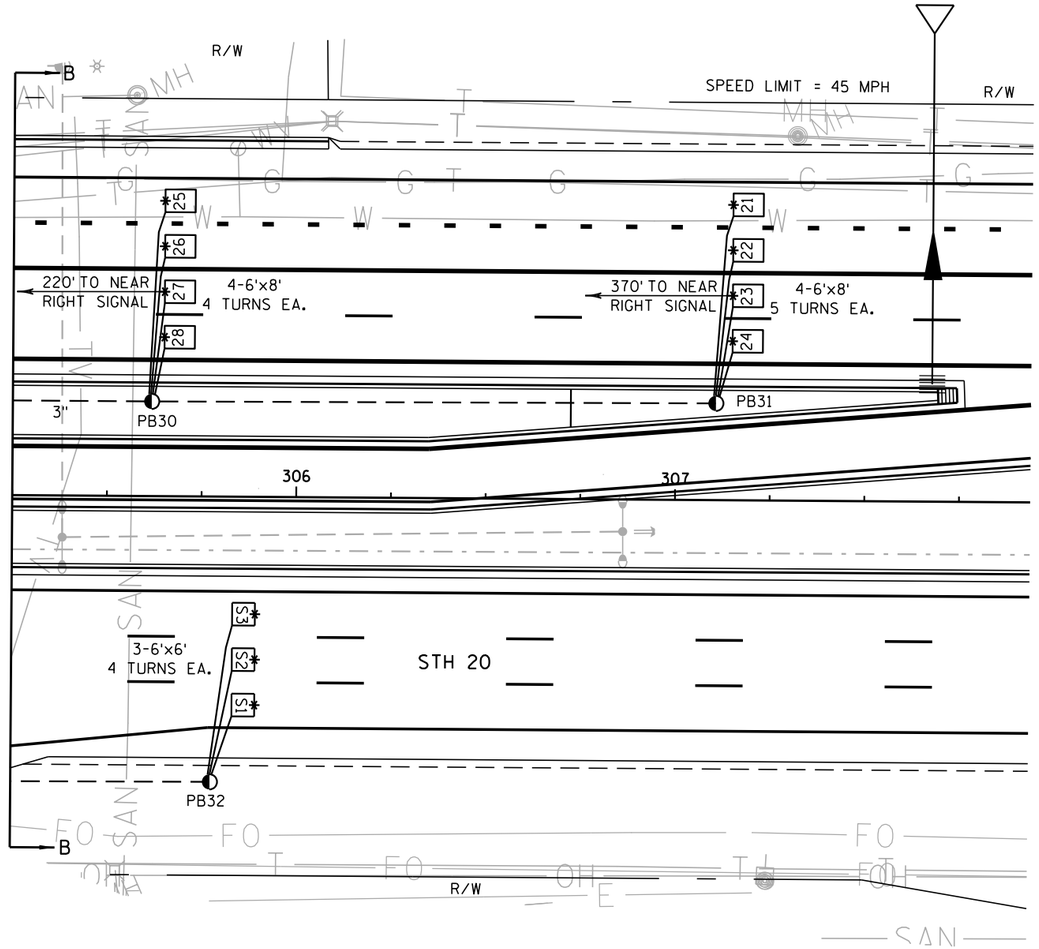
REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_258

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_pg1.dgn PLOT DATE : 25-JUL-2019 15:23 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1





TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

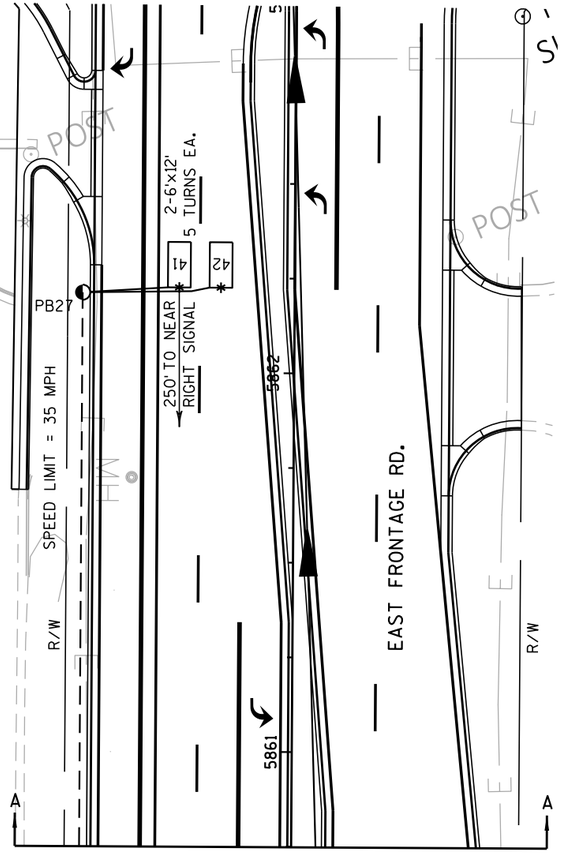
PAGE 2 OF 4

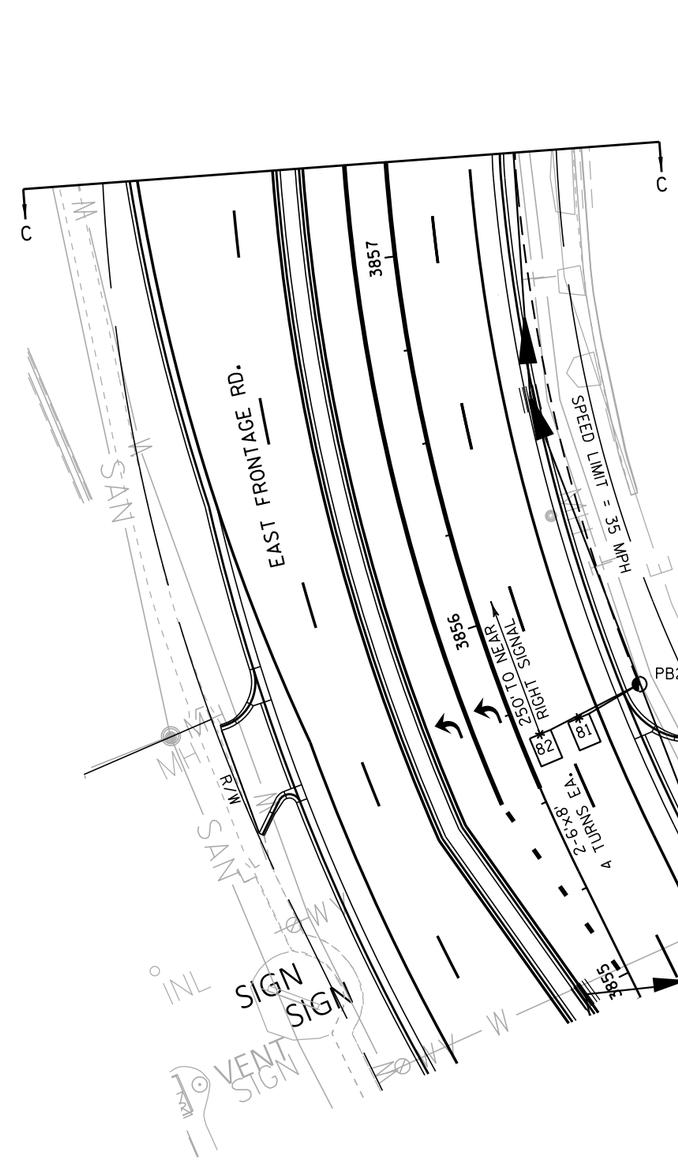
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_259

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_pg2.dgn PLOT DATE : 25-JUL-2019 15:23 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0727

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 3 OF 4

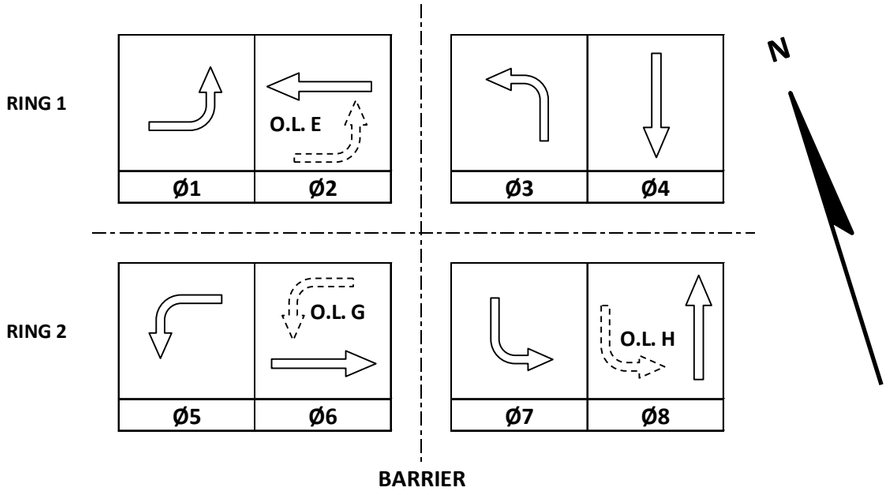
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_260

FILE NAME : J:\projects\d2_10330294\71\SIG\S51-0727\S51-0727_pg3.dgn PLOT DATE : 25-JUL-2019 15:24 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

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



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT	←	→	↓	↑
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

TYPE OF COORDINATION	
NONE	
TBC	
TRAFFIC RESPONSIVE	X
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0036

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	25	27	31	33	41	43	45	51	61	63	65	71	81	83	85					S1	S3	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	2	3	3	4	4	4	5	6	6	6	7	8	8	8							CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X							CALL OPTION
DELAY TIME																									DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME								X								X									EXTEND TIME
USE ADDED INITIAL		X	X	X	X							X	X	X											USE ADDED INITIAL
CROSS SWITCH PHASE	2										6				8										CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	24	26	28	32	34	42	44	46	52	62	64	66	72	82	84	86					S2		PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	2	2	3	3	4	4	4	5	6	6	6	7	8	8	8							CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X							CALL OPTION
DELAY TIME																									DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							EXTENTION OPTION
EXTEND TIME								X								X									EXTEND TIME
USE ADDED INITIAL		X	X	X	X							X	X	X											USE ADDED INITIAL
CROSS SWITCH PHASE	2										6				8										CROSS SWITCH PHASE

STH 20 & EAST FRONTAGE ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-0727 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: JUNE 2019 PAGE NU PRE_261

PROJECT NO: 1033-02-71	HWY: 20	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO:	E

2

PROJECT ID:	1033-02-71
INTERSECTION:	STH 20 & E FRONTAGE RD

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

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	7	7				RED	ORG	GRN	WHT/BLK				
SB2	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		13				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB3	12	16	RED	ORG	GRN								
		26				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB4	7	19				RED	ORG	GRN					
SB5	12	23	RED	ORG	GRN								
		24	RED	ORG	GRN								
		27				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB6	12	1	RED	ORG	GRN								
		14				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB7	7	15				RED	ORG	GRN	WHT/BLK				
SB8	12	5				RED	ORG	GRN	WHT/BLK				
		9	RED/BLK	ORG/BLK	GRN/BLK								
		10	RED/BLK	ORG/BLK	GRN/BLK								
SB9	15	11	RED/WHT	BLU/WHT	GRN/WHT								
		12	RED/WHT	BLU/WHT	GRN/WHT								
		20				RED	ORG	GRN					
		22	RED/BLK	ORG/BLK	GRN/BLK								
SB10	15	17	RED	ORG	GRN								
		18	RED	ORG	GRN								
		21				RED/BLK	ORG/BLK	GRN/BLK					
		25				RED/WHT	BLU/WHT	GRN/WHT	BLK/WHT				
SB11	12	6				RED	ORG	GRN	WHT/BLK				
		8	RED/BLK	ORG/BLK	GRN/BLK								

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

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_262	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_cr.pptx PLOT DATE : 5/13/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_cr.pdf PLOT SCALE : 1:1

2

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	CB1
PB3	SB1
PB4	SB1
PB5	SB2
PB6	SB2
PB7	SB3
PB8	SB3
PB9	SB3
PB10	SB4
PB11	SB4
PB12	SB5
PB13	SB5
PB14	SB5
PB15	SB5
PB16	SB7
PB17	SB7
PB18	SB8
PB19	SB9
PB20	SB9
PB21	SB9
PB22	SB10
PB24	CB1
PB25	SB11

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB2
SB2	SB4
CB1	SB10
SB10	SB8

Emergency Vehicle Preemption	
From	To
CB1	SB8 (HEAD A)
CB1	SB2 (HEAD B)
CB1	SB10 (HEAD C)
CB1	SB4 (HEAD D)

Confirmation Beacon Cable Traffic Signal 3-14 AWG	
From	To
CB1	SB8 (HEAD A)
CB1	SB2 (HEAD B)
CB1	SB10 (HEAD C)
CB1	SB4 (HEAD D)

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_cr.pptx PLOT DATE : 5/13/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_cr.pdf PLOT SCALE : 1:1

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

LEGEND

- SPAN WIRE
- WOOD POLE, CLASS 4
- WOOD POST
- SIGNAL HEAD, OVERHEAD MOUNT
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

N

STH 20 (WASHINGTON AVE)
SPEED LIMIT= 50 MPH
SPEED LIMIT= 35 MPH
RENAISSANCE BLVD
CTH H/RENAISSANCE BLVD
42'RN+00
41'RN+00
15'RS+00
213'WB'+00
214'WB'+00
215'WB'+00
216'WB'+00
217'WB'+00
218'WB'+00
213'EB'+00
214'EB'+00
215'EB'+00
216'EB'+00
217'EB'+00
218'EB'+00
WP1
WP2
WP3
WP4
WP5
WP6
OH
FO
TV
SIGN
MH
ONLY

CONSTRUCTION NOTES:

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

TRAFFIC CONTROL SIGNAL
STH 20 & CTH H/RENAISSANCE BLVD
VILLAGE OF MT. PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0719

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 1 OF 2

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN	SHEET	E

PRE_264

FILE NAME : N:\PDS\C3D\CAD\00820300\SIG\S51-0719\S51-0719_TS_2016.DWG
LAYOUT NAME - S51-0719_R5_PG1

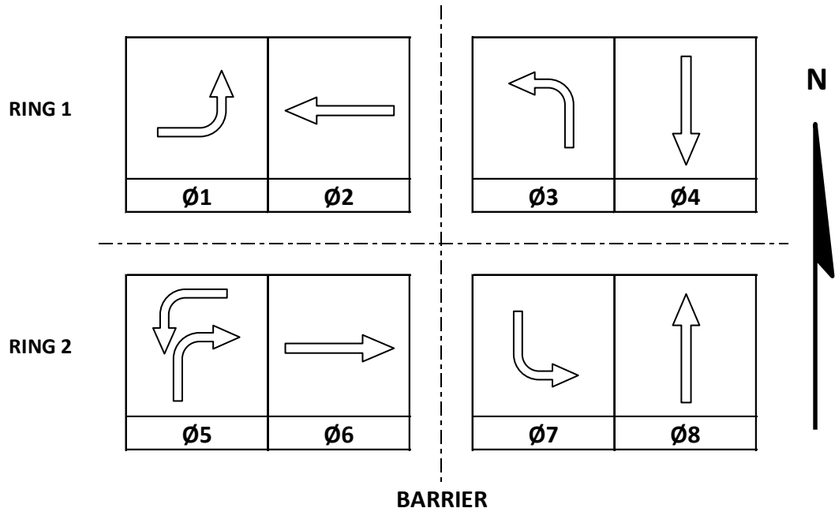
PLOT DATE : 5/21/2019 10:50 AM PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

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



CONTROLLER LOGIC

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

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

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

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

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

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

STH 20 & CTH H/RENAISSANCE BLVD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

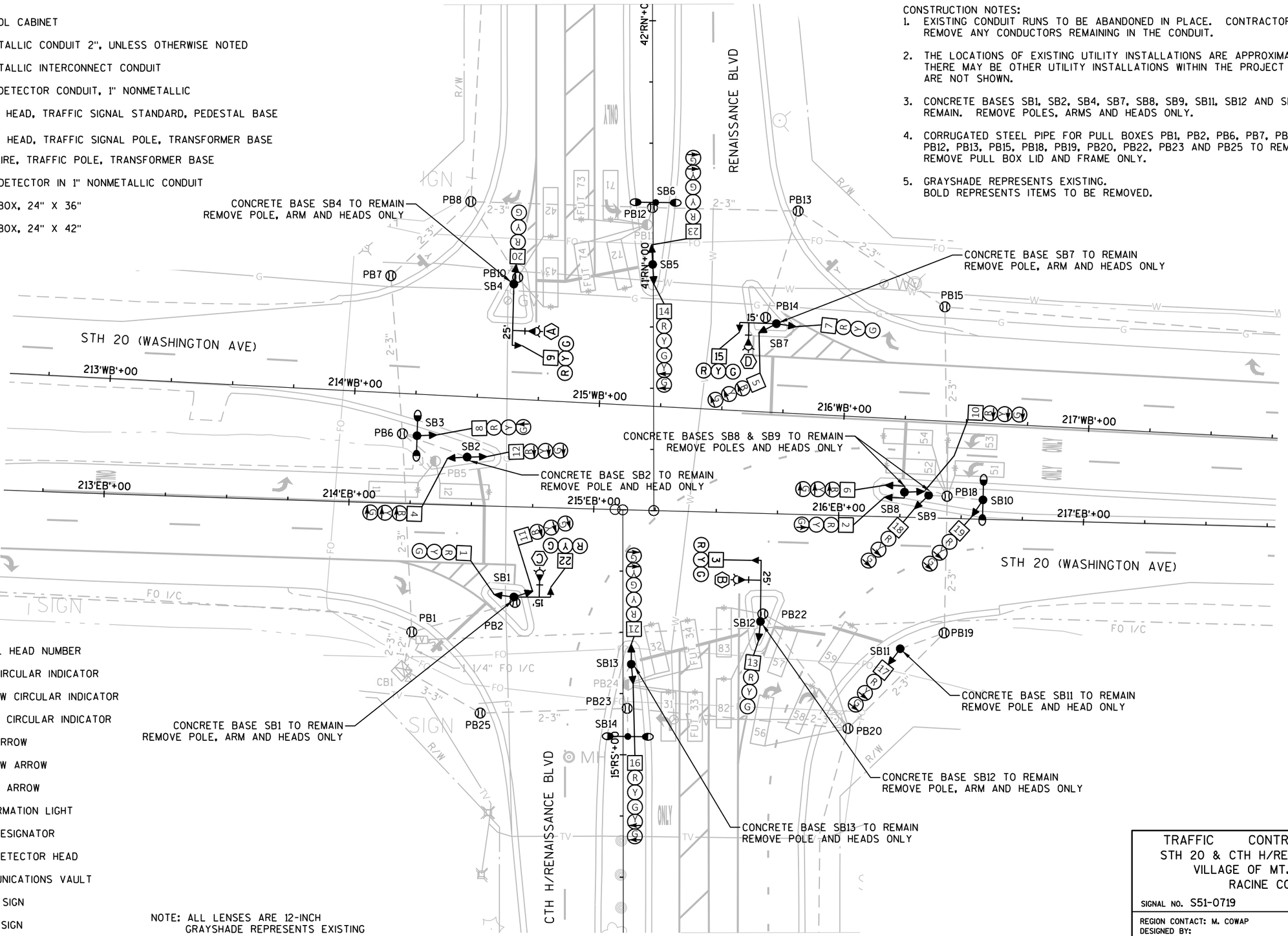
SIGNAL NO: T51-0719 CABINET TYPE: TS1
CONTROLLER TYPE: ECONOLITE
DATE: JULY 2019 PAGE NUMBER: 2 OF 2

LEGEND

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

CONSTRUCTION NOTES:

1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. CONCRETE BASES SB1, SB2, SB4, SB7, SB8, SB9, SB11, SB12 AND SB13 TO REMAIN. REMOVE POLES, ARMS AND HEADS ONLY.
4. CORRUGATED STEEL PIPE FOR PULL BOXES PB1, PB2, PB6, PB7, PB8, PB10, PB12, PB13, PB15, PB18, PB19, PB20, PB22, PB23 AND PB25 TO REMAIN. REMOVE PULL BOX LID AND FRAME ONLY.
5. GRAYSHADE REPRESENTS EXISTING. BOLD REPRESENTS ITEMS TO BE REMOVED.



- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y Y YELLOW ARROW
- AG G G GREEN ARROW
- CONFIRMATION LIGHT
- X EVP DESIGNATOR
- EVP DETECTOR HEAD
- V COMMUNICATIONS VAULT
- Y YIELD SIGN
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 20 & CTH H/RENAISSANCE BLVD
VILLAGE OF MT. PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0719

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: C. VANDE LEEST

PAGE 1 OF 1

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET E

PRE_266

FILE NAME : N:\PDS\C3D\CAD\00820300\SIG\S51-0719\S51-0719_REM_16_10330271.DWG
LAYOUT NAME - S51-0719_D_PG1

PLOT DATE : 5/7/2019 2:46 PM PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME : PLOT SCALE : 1 IN:40 FT

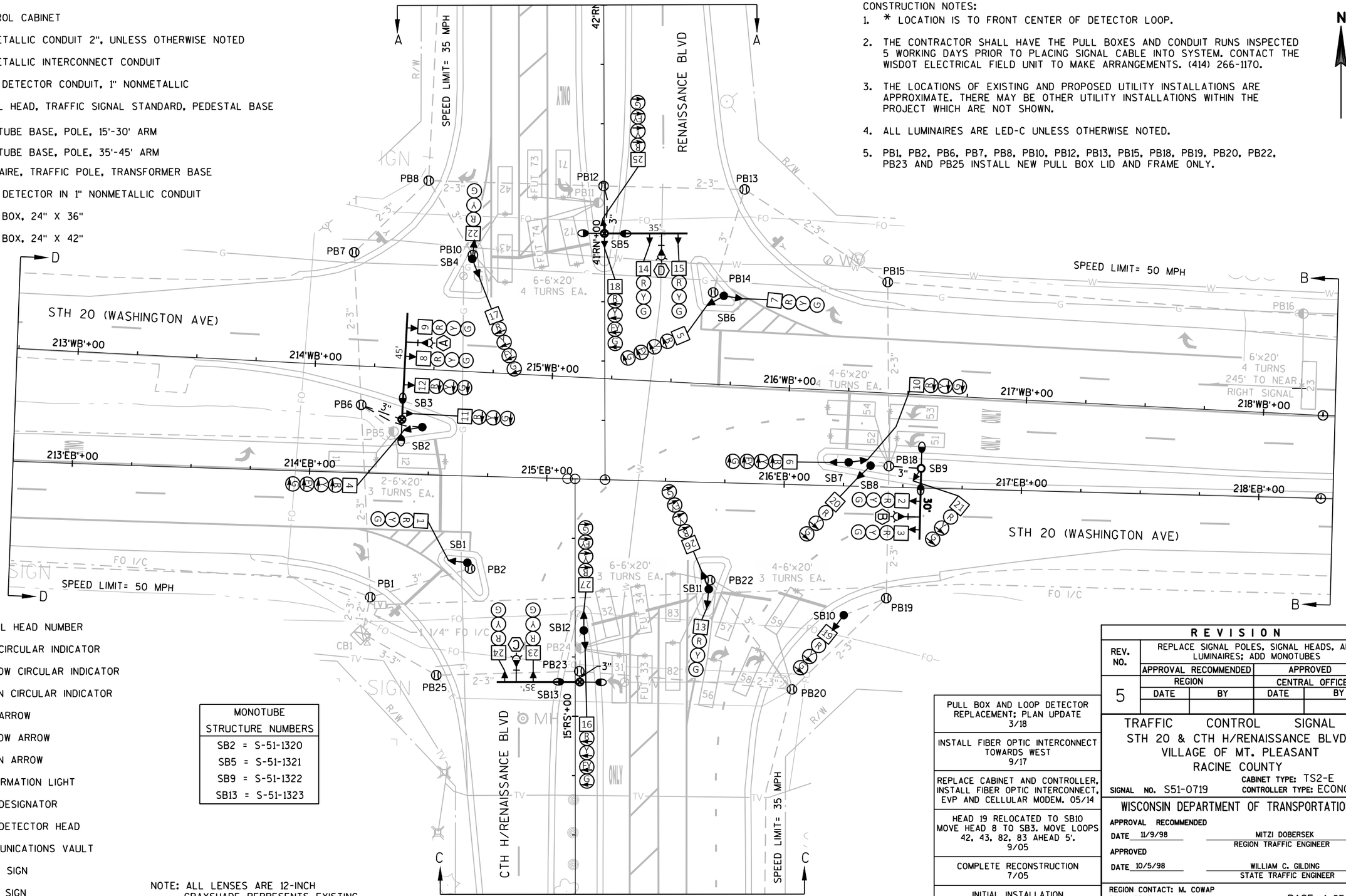
WISDOT/CADDS SHEET 42

LEGEND

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

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
5. PB1, PB2, PB6, PB7, PB8, PB10, PB12, PB13, PB15, PB18, PB19, PB20, PB22, PB23 AND PB25 INSTALL NEW PULL BOX LID AND FRAME ONLY.



MONOTUBE STRUCTURE NUMBERS
SB2 = S-51-1320
SB5 = S-51-1321
SB9 = S-51-1322
SB13 = S-51-1323

- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- CONFIRMATION LIGHT
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- V COMMUNICATIONS VAULT
- Y YIELD SIGN
- S STOP SIGN

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

PULL BOX AND LOOP DETECTOR REPLACEMENT; PLAN UPDATE 3/18
INSTALL FIBER OPTIC INTERCONNECT TOWARDS WEST 9/17
REPLACE CABINET AND CONTROLLER, INSTALL FIBER OPTIC INTERCONNECT, EVP AND CELLULAR MODEM. 05/14
HEAD 19 RELOCATED TO SB10 MOVE HEAD 8 TO SB3. MOVE LOOPS 42, 43, 82, 83 AHEAD 5'. 9/05
COMPLETE RECONSTRUCTION 7/05
INITIAL INSTALLATION DATE NOT AVAILABLE

REVISION

REV. NO.	REPLACE SIGNAL POLES, SIGNAL HEADS, AND LUMINAIRES; ADD MONOTUBES			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
5	DATE	BY	DATE	BY

TRAFFIC CONTROL SIGNAL
STH 20 & CTH H/RENAISSANCE BLVD
VILLAGE OF MT. PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0719
CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 11/9/98 — MITZI DOBERSEK, REGION TRAFFIC ENGINEER

APPROVED
DATE 10/5/98 — WILLIAM C. GILDING, STATE TRAFFIC ENGINEER

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: C. VANDE LEEST

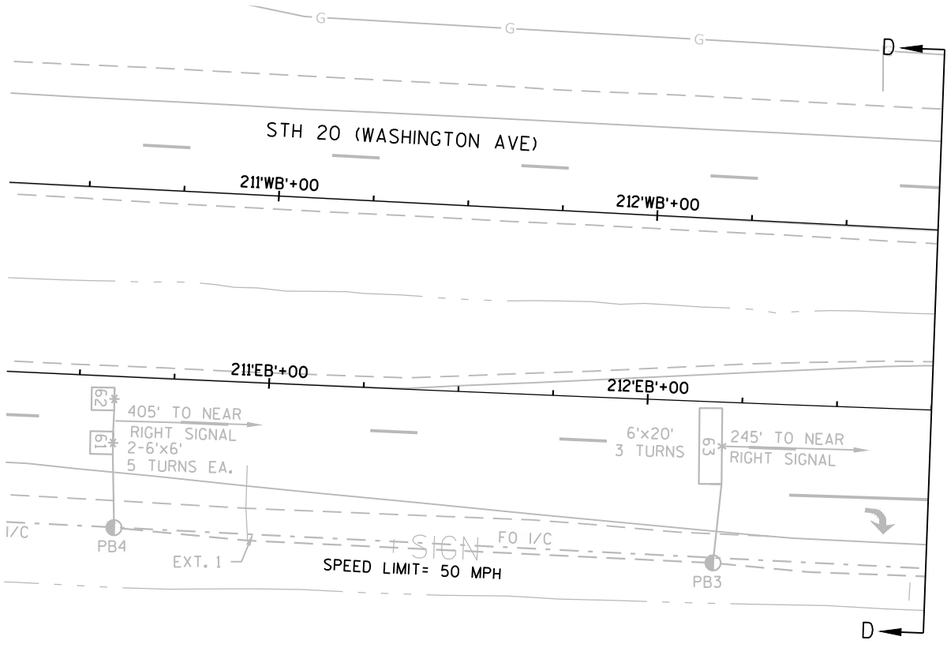
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN - CTH H	SHEET E

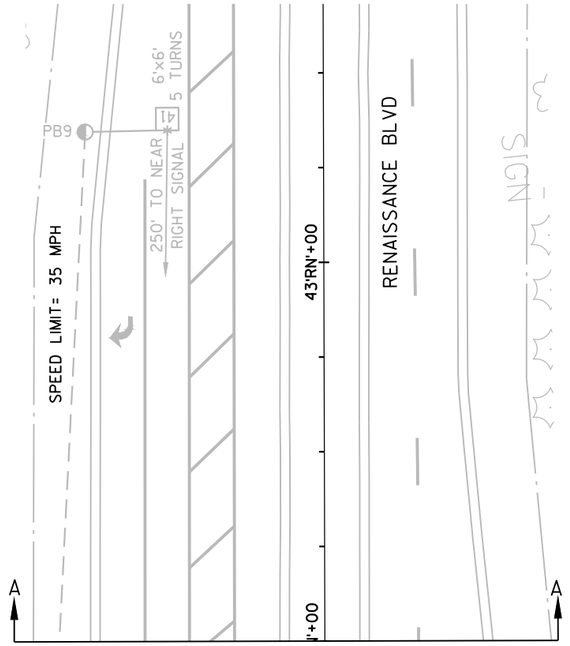
PRE_267

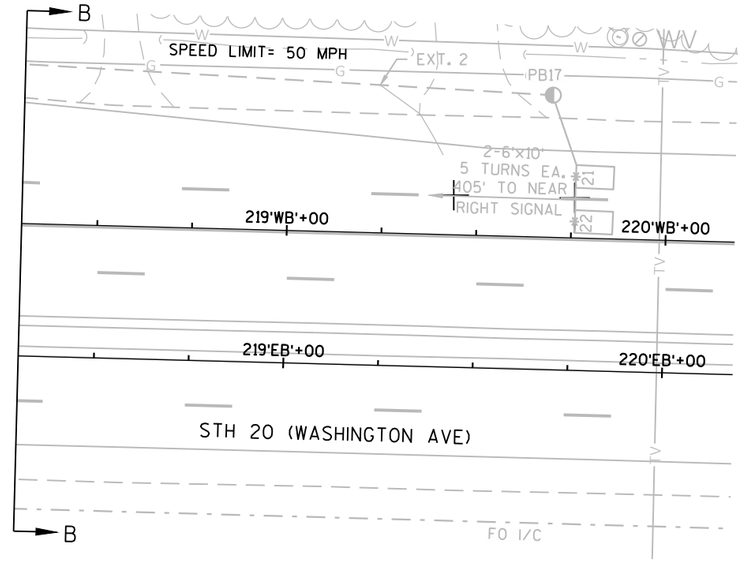
FILE NAME : N:\PDS\C3D\CAD\00820300\SIG\S51-0719\S51-0719_R5_2016.DWG
LAYOUT NAME - S51-0719_R5_PG1
PLOT DATE : 5/21/2019 4:09 PM
PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

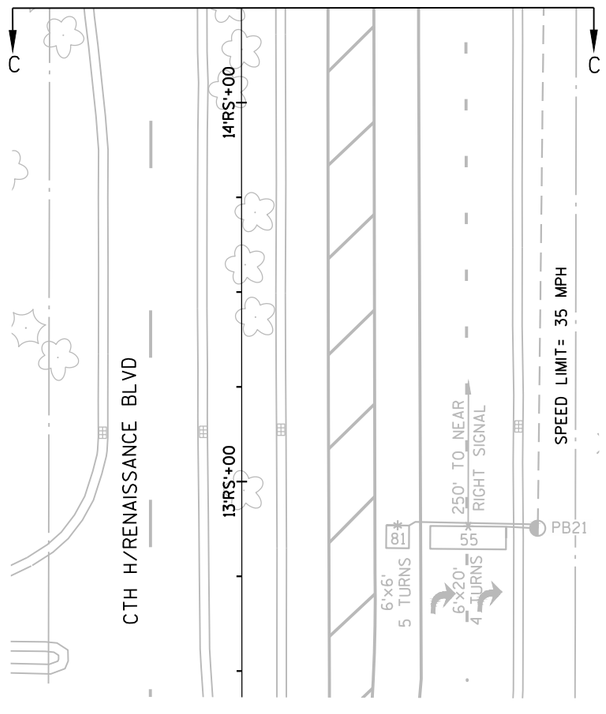
2

N









TRAFFIC CONTROL SIGNAL
STH 20 & CTH H/RENAISSANCE BLVD
VILLAGE OF MT. PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0719

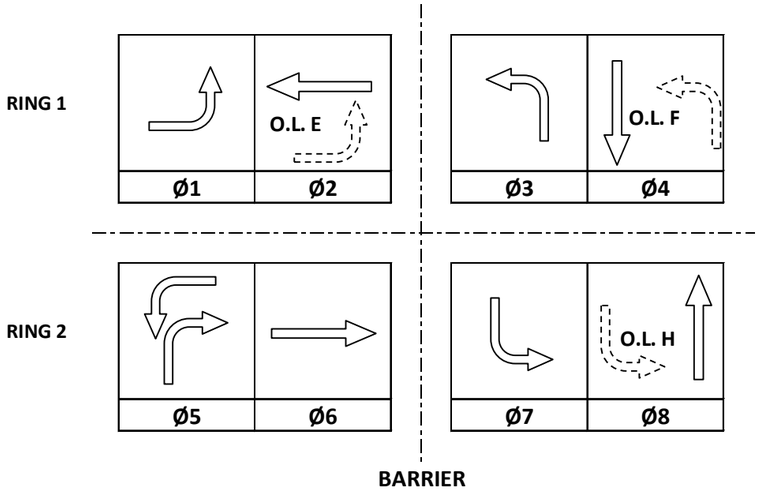
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: C. VANDE LEEST

PAGE 2 OF 3

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN - CTH H	SHEET E

PRE_268

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



CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 51-0094

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	21	23	32	34	42	51	53	55	57	59	62	71	73	81	83	PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	2	3	FUTURE	4	5	5	5	5	5	6	7	FUTURE	8	8	CALLED PHASE
CALL OPTION	X	X	X	X		X	X	X		X	X	X	X			X	CALL OPTION
DELAY TIME										X	X						DELAY TIME
EXTENTION OPTION	X	X	X	X		X	X	X	X	X	X	X	X		X	X	EXTENTION OPTION
EXTEND TIME									X						X		EXTEND TIME
USE ADDED INITIAL		X	X									X					USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	22	31	33	41	43	52	54	56	58	61	63	72	74	82		PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	2	3	FUTURE	4	4	5	5	5	5	6	6	7	FUTURE	8		CALLED PHASE
CALL OPTION	X	X	X			X	X	X	X	X	X	X	X		X		CALL OPTION
DELAY TIME									X	X							DELAY TIME
EXTENTION OPTION	X	X	X		X	X	X	X	X	X	X	X	X		X		EXTENTION OPTION
EXTEND TIME					X												EXTEND TIME
USE ADDED INITIAL		X									X	X					USE ADDED INITIAL
CROSS SWITCH PHASE																	CROSS SWITCH PHASE

STH 20 & CTH H/RENAISSANCE BLVD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY
SIGNAL NO: S51-0719 CABINET TYPE: TS2-E
CONTROLLER TYPE: ECONOLITE
DATE: JUNE 2019 PAGE NU PRE_269

PROJECT NO: 1033-02-71	HWY: 20	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO:	E

2

PROJECT ID:	1033-02-71
INTERSECTION:	STH 20 & CTH H/RENAISSANCE BLVD

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

CB1 TO	AWG14 # OF CONDUCTORS	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
			RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1	7	1	RED	ORG	GRN								
SB2	7	4				RED	ORG	GRN	WHT/BLK				
SB3	12	8	RED	ORG	GRN								
		9	RED	ORG	GRN								
		11				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		12				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB4	12	17				RED	ORG	GRN	WHT/BLK				
		22	RED/BLK	ORG/BLK	GRN/BLK								
SB5	15	14	RED	ORG	BLK								
		15	RED	ORG	BLK								
		18				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
		25				RED/WHT	BLU/WHT	GRN/WHT	WHT/BLK				
SB6	12	5				RED	ORG	GRN	BLK/WHT				
		7	RED/BLK	ORG/BLK	GRN/BLK								
SB7	12	6				RED	ORG	GRN	BLK/WHT				
		10				RED/BLK	ORG/BLK	GRN/BLK					
SB8	7	20	RED				ORG	GRN					
SB9	12	2	RED/BLK	ORG/BLK	GRN/BLK								
		3	RED/BLK	ORG/BLK	GRN/BLK								
		21	RED				ORG	GRN					
SB10	7	19	RED				ORG	GRN					
SB11	12	13	RED	ORG	BLK								
		26				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
SB12	12	16				RED	ORG	BLK	BLK/WHT				
		27				RED/BLK	ORG/BLK	GRN/BLK	WHT/BLK				
SB13	7	23	RED	ORG	BLK								
		24	RED	ORG	BLK								

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

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_270	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_cr.pptx PLOT DATE : 5/8/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_cr.pdf PLOT SCALE : 1:1

2

Equipment Grounding Conductor 10 AWG Green XLP	
From	To
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	CB1

Pull Box Bonding Jumper 10 AWG Green XLP	
From	To
PB1	CB1
PB2	SB1
PB6	SB3
PB7	SB3
PB8	SB4
PB10	SB4
PB12	SB5
PB13	SB6
PB14	SB6
PB15	SB9
PB18	SB9
PB19	SB10
PB20	SB10
PB22	SB11
PB23	SB13
PB25	CB1

Lighting UF 2-10 AWG Grounded	
From	To
CB1	SB3
SB3	SB5
CB1	SB13
SB13	SB9

Emergency Vehicle Preemption	
From	To
CB1	SB3 (HEAD A)
CB1	SB9 (HEAD B)
CB1	SB13 (HEAD C)
CB1	SB5 (HEAD D)

Confirmation Beacon Cable Traffic Signal 3-14 AWG	
From	To
CB1	SB3 (HEAD A)
CB1	SB9 (HEAD B)
CB1	SB13 (HEAD C)
CB1	SB5 (HEAD D)

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET: PRE_271	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_cr.pptx PLOT DATE : 5/8/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_cr.pdf PLOT SCALE : 1:1

2

MONOTUBE STRUCTURES

SB5 = S-51-1254
SB10 = S-51-1255
SB15 = S-51-1256
SB19 = S-51-1257

CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO THE SYSTEM. REQUEST FOR INSPECTION SHALL ALSO INCLUDE A COMPLETE SE REGION TRAFFIC SIGNAL CHECKLIST.

2. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.

3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPOXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN.

4. INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.

5. PROPOSED INTERCONNECT, PAVEMENT MARKINGS, AND DETECTABLE WARNING FIELDS SHOWN IN GRAYSHADE FOR PLAN CLARITY.

6. INSTALL PEDESTRIAN PUSH BUTTONS PARALLEL TO TYPE 2 CURB RAMPS. CONTACT SE REGION SIGNAL ENGINEER FOR ASSISTANCE.

7. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

EVP CONSTRUCTION NOTES:
1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.

2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.

3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.

4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR, THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- HDPE INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 50'-55' ARM
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- CONFIRMATION LIGHT
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- RM X RADAR DETECTOR (MATRIX)
- RA X RADAR DETECTOR (ADVANCE)

LEGEND, CONT.

- COMMUNICATION VAULT
- XX SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1478 CABINET TYPE: TS2-S CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

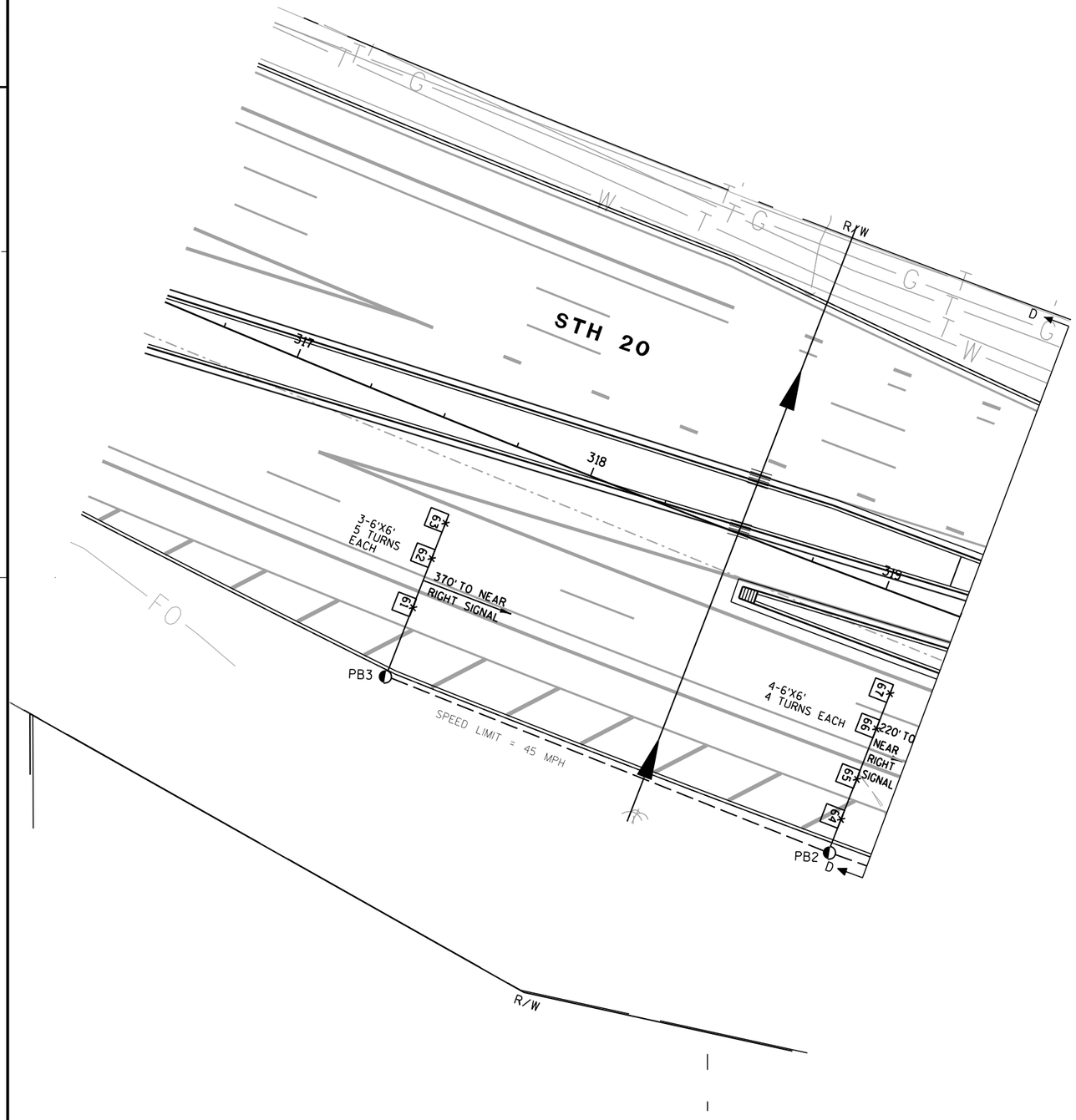
APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

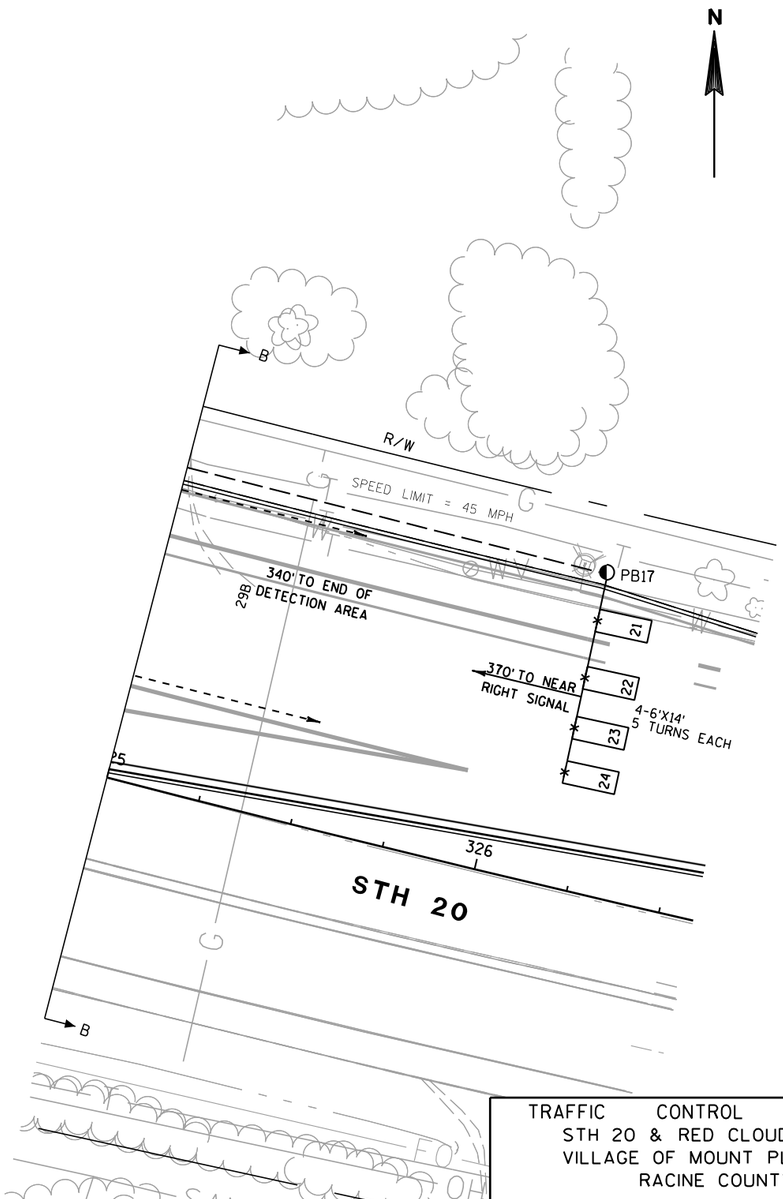
REGION CONTACT: M. COWAP
DESIGNED BY: raSmith
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET

FILE NAME : T:\1182707.03\Traffic\Signal Design\024201-sp.dgn PLOT DATE : 5/22/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

2





TRAFFIC CONTROL SIGNAL
STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1478

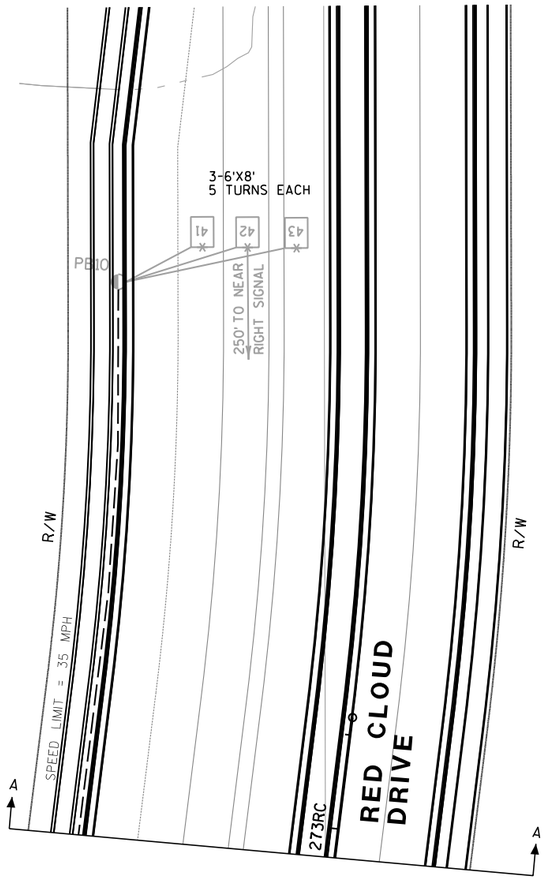
REGION CONTACT: M. COWAP
DESIGNED BY: raSmith
REVISED BY:

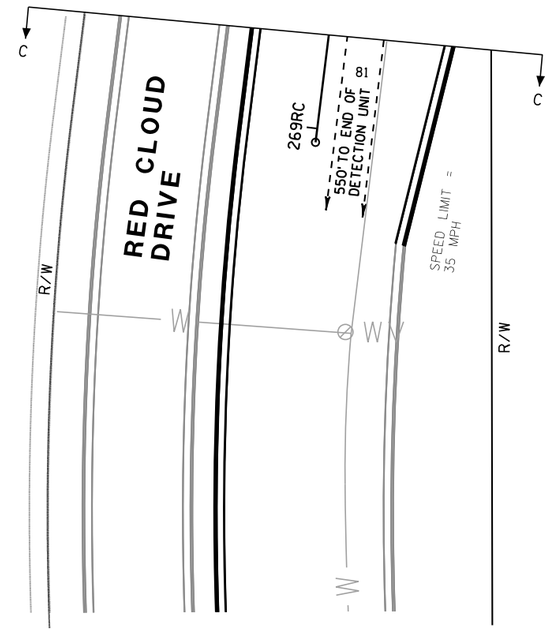
PAGE 2 OF 4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

PRE_273

2





TRAFFIC CONTROL SIGNAL
STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

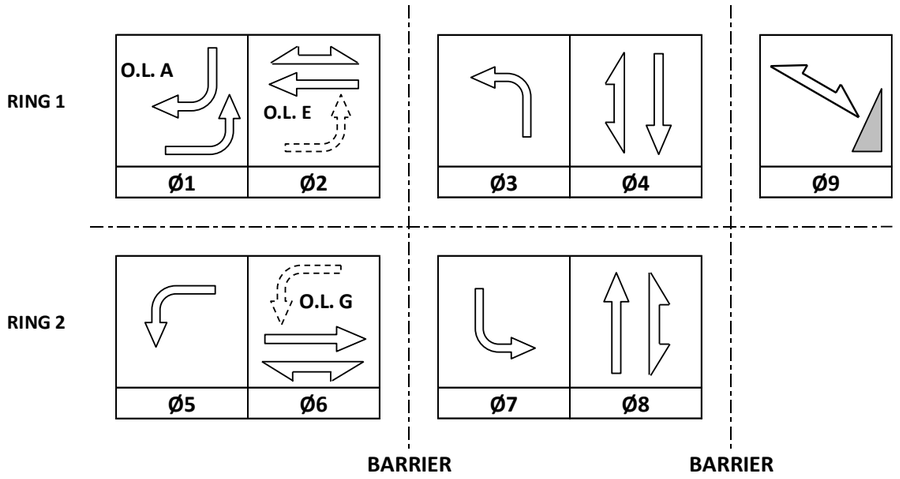
SIGNAL NO. S51-1478

REGION CONTACT: M. COWAP
DESIGNED BY: raSmith
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET PRE_274	E

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R ←
Ø2	7,8,9,10	R
Ø3	17,18	R ←
Ø4	19,20,21	R
Ø5	11,12,13	R ←
Ø6	1,2,3	R
Ø7	22,23	R ←
Ø8	14,15,16	R
Ø2P	27,28	
Ø4P	35,36,37,38	
Ø6P	33,34	
Ø8P	29,30,31,32	
Ø9P	39,40	
OLE	5,6	-
OLF		
OLG	12,13	-
OLH		



N

CONTROLLER LOGIC

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

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

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

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

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

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

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13	19	17	23	21	27	25	31	29	35	33	39	37	43	41	47	45	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	11	13	15	21	23	25	27	41	43	45	51	61	63	65	67	71	29A	31	81						PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	1	2	2	2	2	4	4	4	5	6	6	6	6	7	2	3	8						CALLED PHASE
CALL OPTION	X	X	X		X		X			X	X	X	X	X	X	X	X	X							CALL OPTION
DELAY TIME		X																							DELAY TIME
EXTENTION OPTION	X	X	X		X		X	X	X	X	X	X	X	X	X	X	X	X	X						EXTENTION OPTION
EXTEND TIME								X	X										X						EXTEND TIME
USE ADDED INITIAL					X		X					X	X	X	X										USE ADDED INITIAL
CROSS SWITCH PHASE	2										6														CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14	20	18	24	22	28	26	32	30	36	34	40	38	44	42	48	46	DETECTOR INPUT
PLAN LOOP DETECTOR*(S)	12	14	16	22	24	26	28	42	44		52	62	64	66		72	29B	32	82						PLAN LOOP DETECTOR*(S)
CALLED PHASE	1	1	1	2	2	2	2	4	4		5	6	6	6		7	3	3	8						CALLED PHASE
CALL OPTION	X	X	X	X	X	X	X		X		X	X		X		X	X	X	X						CALL OPTION
DELAY TIME		X																							DELAY TIME
EXTENTION OPTION	X	X	X	X	X	X	X	X	X		X	X		X		X	X	X	X						EXTENTION OPTION
EXTEND TIME								X																	EXTEND TIME
USE ADDED INITIAL				X	X	X	X					X		X											USE ADDED INITIAL
CROSS SWITCH PHASE	2										6														CROSS SWITCH PHASE

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: 8/2019 PAGE NU PRE_275

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO:	E

2

PROJECT ID:	1033-02-71
INTERSECTION:	STH 20 & Red Cloud Drive

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

DATE	8/1/19

CB1 TO	JUMPER	# OF COND.	HEAD NO.	SIGNAL INDICATION WIRE COLOR									PED BUTTON	FUTURE APS
				RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	<FLASHING YELLOW>	D/WALK	WALK		
SB1		12	1	RED	ORG	GRN								
			12				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
			35								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB2		12	13				RED	ORG	GRN	BLK/WHT				
			36								BLK	BLU		
			37								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB3		7	26	RED				ORG	GRN					
SB4		12	4				RED/BLK	ORG/BLK	GRN/BLK	BLK/WHT				
			25	RED				ORG	GRN					
SB5		12	8	RED	ORG	GRN								
			9	RED	ORG	GRN								
			10	RED	ORG	GRN								
SB6		12	24	RED				ORG	GRN					
			40								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB7		12	39								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB8		12	BUTTON										WHT/BLK	BLU/BLK
SB9		15	17				RED	ORG	GRN					
			19	RED/BLK	ORG/BLK	GRN/BLK								
			27								BLK	BLU		
			38								BLK/WHT	BLU/WHT		
			BUTTON										WHT/BLK	BLU/BLK
SB10		12	15	RED	ORG	GRN								
			16	RED	ORG	GRN								
			18				RED/BLK	ORG/BLK	GRN/BLK					
			BUTTON										WHT/BLK	BLU/BLK
SB11		12	28								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB12		12	5				RED	ORG	GRN	BLK/WHT				
			7	RED/BLK	ORG/BLK	GRN/BLK								
			29								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB13		12	6				RED	ORG	GRN	BLK/WHT				
			30								BLK	BLU		
			31								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB14		12	11				RED	ORG	GRN	BLK/WHT				
SB15		7	2	RED	ORG	GRN								
			3	RED	ORG	GRN								
SB16		12	14	RED	ORG	GRN								
			33								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB17		12	22				RED	ORG	GRN					
			32								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK
SB18		12	23				RED	ORG	GRN					
			BUTTON										WHT/BLK	BLU/BLK
SB19			20	RED	ORG	GRN								
			21	RED	ORG	GRN								
SB20		12	34								BLK	BLU		
			BUTTON										WHT/BLK	BLU/BLK

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	SB18
SB18	SB19
SB19	SB20
SB20	SB1
SB1	CB1

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	CB1
PB4	SB3
PB5	SB3
PB6	SB4
PB7	SB5
PB8	SB6
PB11	SB9
PB12	SB10
PB14	SB11
PB15	SB12
PB18	SB13
PB19	SB14
PB20	SB15
PB21	SB15
PB22	SB16
PB23	SB18
PB24	SB19
PB25	CB1

LIGHTING UF 10 AWG W/GROUND	
FROM	TO
CB1	SB2
SB2	SB5
SB5	SB10
CB1	SB19
SB19	SB15
SB15	SB13

EMERGENCY VEHICLE PREEMPTION (EVP) CABLE	
FROM	TO
CB1	HEAD A (SB5)
CB1	HEAD B (SB15)
CB1	HEAD C (SB19)
CB1	HEAD D (SB10)

RADAR DETECTOR CABLE	
FROM	TO
CB1	RA1 (SB13)
CB1	RA2 (SB19)
CB1	RM1 (SB19)

*Use the white conductor in the cable assembly as the grounded conductor for all traffic signal indications.
*Ensure the grounded conductor in the feeder cable and the pole cables are both 18" longer than the ungrounded conductors.

PRE_276

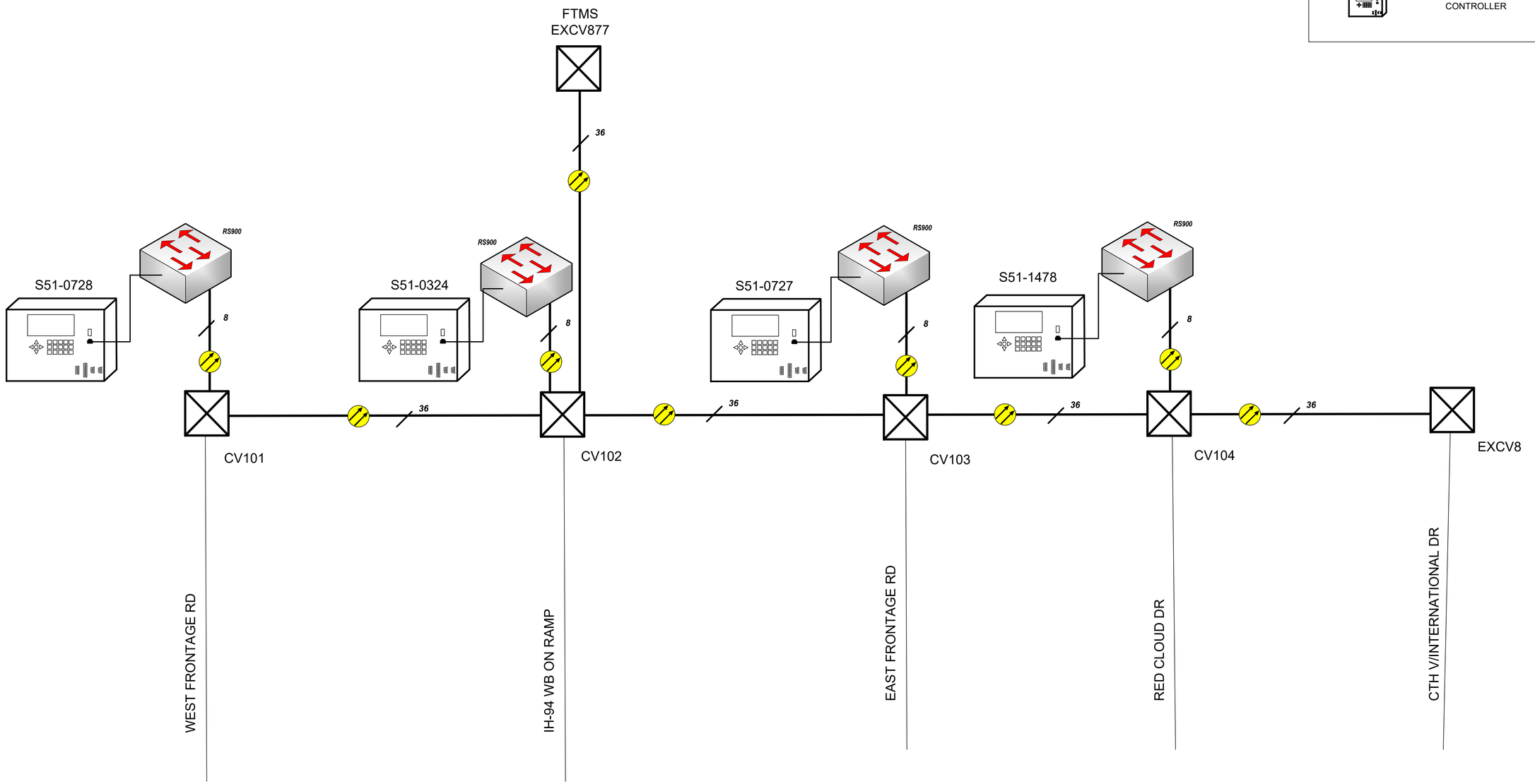
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	CABLE ROUTING	SHEET NO. E

NOTES:
1. MAXIMUM SPLICE LOSS SHALL BE 0.1dB.
2. NO INTERMEDIATE SPLICES ALLOWED.
3. ALL SPLICES SHALL BE FUSION SPLICES.
4. COORDINATE FIBER ASSIGNMENTS WITH THE STOC AT (414) 227-2166 BEFORE SPLICING FIBER OPTIC CABLE.
5. THE ENTIRE MAINLINE FIBER OPTIC CABLE SHALL NOT BE CUT AND/OR SPLICED IN THE VAULTS NEAREST THE TRAFFIC SIGNAL CABINET WHILE MAKING THE PIGTAIL CONNECTION. ONLY THE REQUIRED BUFFER TUBE SHALL BE CUT AND SPLICED WITH THE PIGTAIL CONNECTION.

LEGEND

- 36 — SM FIBER OPTIC CABLE (# STRANDS)
- SPLICE ENCLOSURE
- HARDENED ETHERNET SWITCH
- TRAFFIC SIGNAL CONTROLLER

N



PAGE 1 OF 1

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT - OVERVIEW	SHEET	E

2

N

STH 20

IH-94 SB OFF RAMP

IH-94 SB

IH-94 NB

IH-94 NB ON RAMP

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL INTO EXISTING FTMS SPARE CONDUIT

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL INTO EXISTING FTMS SPARE CONDUIT

FTMS EXPB864

FTMS EXPB867

FTMS EXPB870

FTMS EXPB873

FTMS EXPB876

FTMS EXPB877

FTMS EXCV877

SPLICE INTO EXISTING WISDOT
FIBER OPTIC CABLE
FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

MATCHLINE - SEE PAGE 3

CONTINUED ON PAGE 3

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING THE INTERCONNECT CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITIN THE PROJECT WHICH ARE NOT SHOWN.
3. LEAVE 100-FEET OF FIBER OPTIC INTERCONNECT PIGTAIL COILED IN EACH COMMUNICATIONS VAULT AND 30-FEET IN EACH PULL BOX.
4. THE ENTIRE MAINLINE FIBER OPTIC CABLE SHALL NOT BE CUT AND/OR SPLICED IN THE VAULTS NEAREST THE TRAFFIC SIGNAL CABINET WHILE MAKING THE PIGTAIL CONNECTION. ONLY THE REQUIRED BUFFER TUBE SHALL BE CUT AND SPLICED WITH THE PIGTAIL CONNECTION.
5. 12 AWG PULL WIRE TO BE INSTALLED AS FIBER OPTIC TRACER WIRE IN INTERCONNECT CONDUIT.
6. PROPOSED STORM SEWER, LIGHTING, FTMS, DETECTABLE WARNING FIELDS, AND TRAFFIC SIGNALS ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

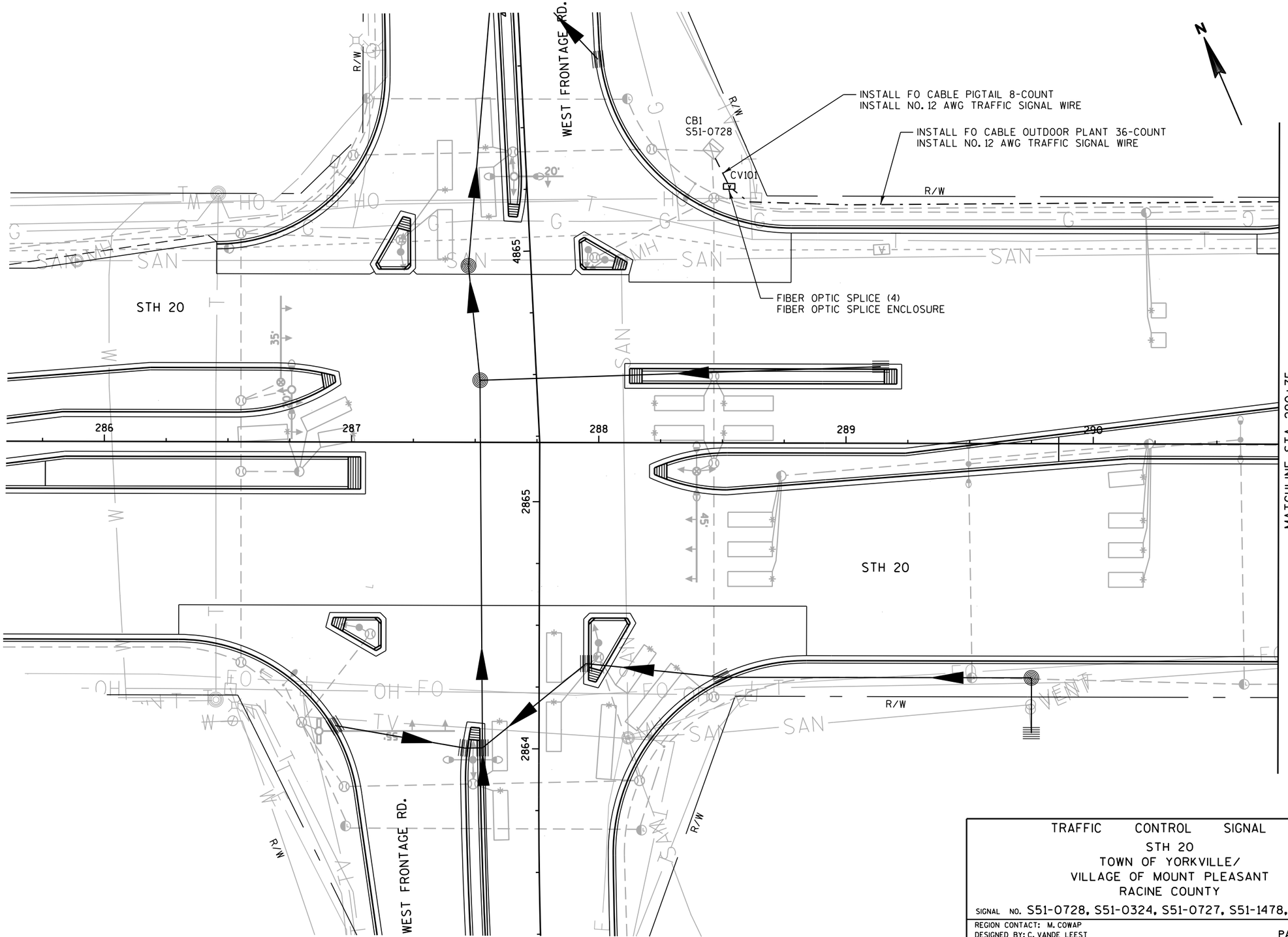
PAGE 1 OF 12

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_278

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- COMMUNICATIONS VAULT



TRAFFIC CONTROL SIGNAL	
STH 20	
TOWN OF YORKVILLE/	
VILLAGE OF MOUNT PLEASANT	
RACINE COUNTY	
SIGNAL NO.	S51-0728, S51-0324, S51-0727, S51-1478, S51-1306
REGION CONTACT: M. COWAP	
DESIGNED BY: C. VANDE LEEST	PAGE 2 OF 12
REVISED BY:	

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_279

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024602_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

MATCHLINE - SEE PAGE 1

FTMS
EXPB864
INSTALL CONDUIT
INTO EXISTING ITEM

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

INSTALL FO CABLE PIGTAIL 8-CT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

CB1
S51-0324

I/C PB1

CV102

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

I/C PB2

IH-94 SB OFF RAMP

IH-94 NB ON RAMP

IH-94 SB ON RAMP

IH-94 NB OFF RAMP

STH 20

MATCHLINE STA 290+75

MATCHLINE STA 296+75

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT

TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_280

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024603_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

N

R/W

R/W

STH 20

MATCHLINE STA 296+75

MATCHLINE STA 302+50

297 298 299 300 301 302

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 20

RIPRAP

RIPRAP

35'

35'

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- COMMUNICATIONS VAULT

TRAFFIC CONTROL SIGNAL

STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_281

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024604_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

2

EAST FRONTAGE RD

R/W

INL

SAN

MH

R/W

STH 20

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

5860

5859

3858

303

304

305

306

307

308

25'

45'

CV103

INSTALL FO CABLE PIGTAIL 8-CT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 20

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCHLINE STA 302+50

MATCHLINE STA 308+25

EAST FRONTAGE RD

CB1
S51-0727

FO

FLAG

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT

TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

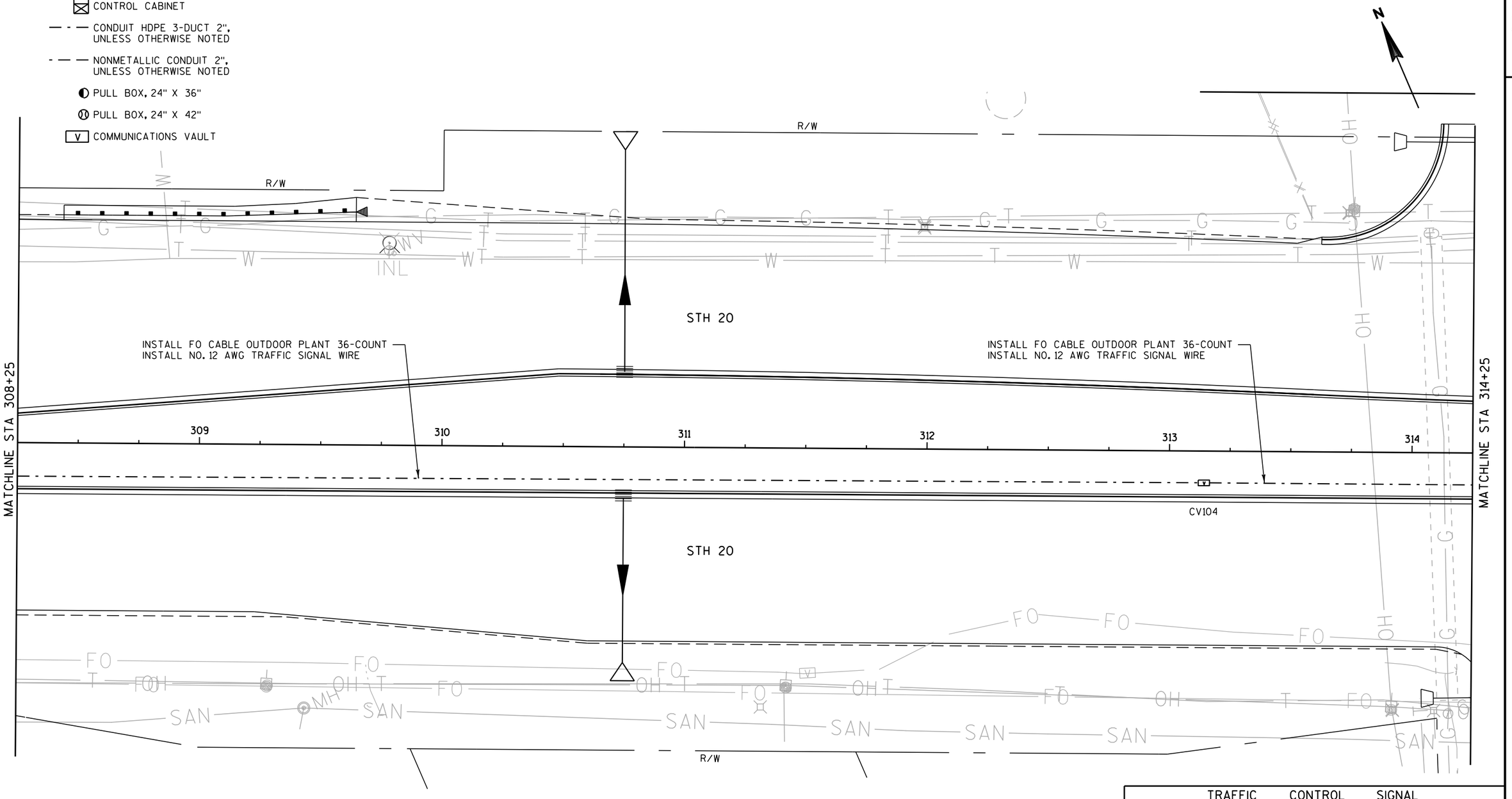
PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024605_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- COMMUNICATIONS VAULT



TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 6 OF 12

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_283

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024606_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT

N

R/W

R/W

R/W

STH 20

I/C PB3

MATCHLINE STA 314+25

315

316

317

318

319

MATCHLINE STA 320+00

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 20

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

I/C PB4

R/W

TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 7 OF 12

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_284

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024607_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

MATCHLINE STA 308+25

MATCHLINE STA 326+00

RED CLOUD

272RC

30'

STH 20

55'

321

322

323

324

325

27TRC

I/C PB5

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

INSTALL FO CABLE PIGTAIL 8-CT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

CV105

CB1
S51-1478

270RC

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- COMMUNICATIONS VAULT

TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

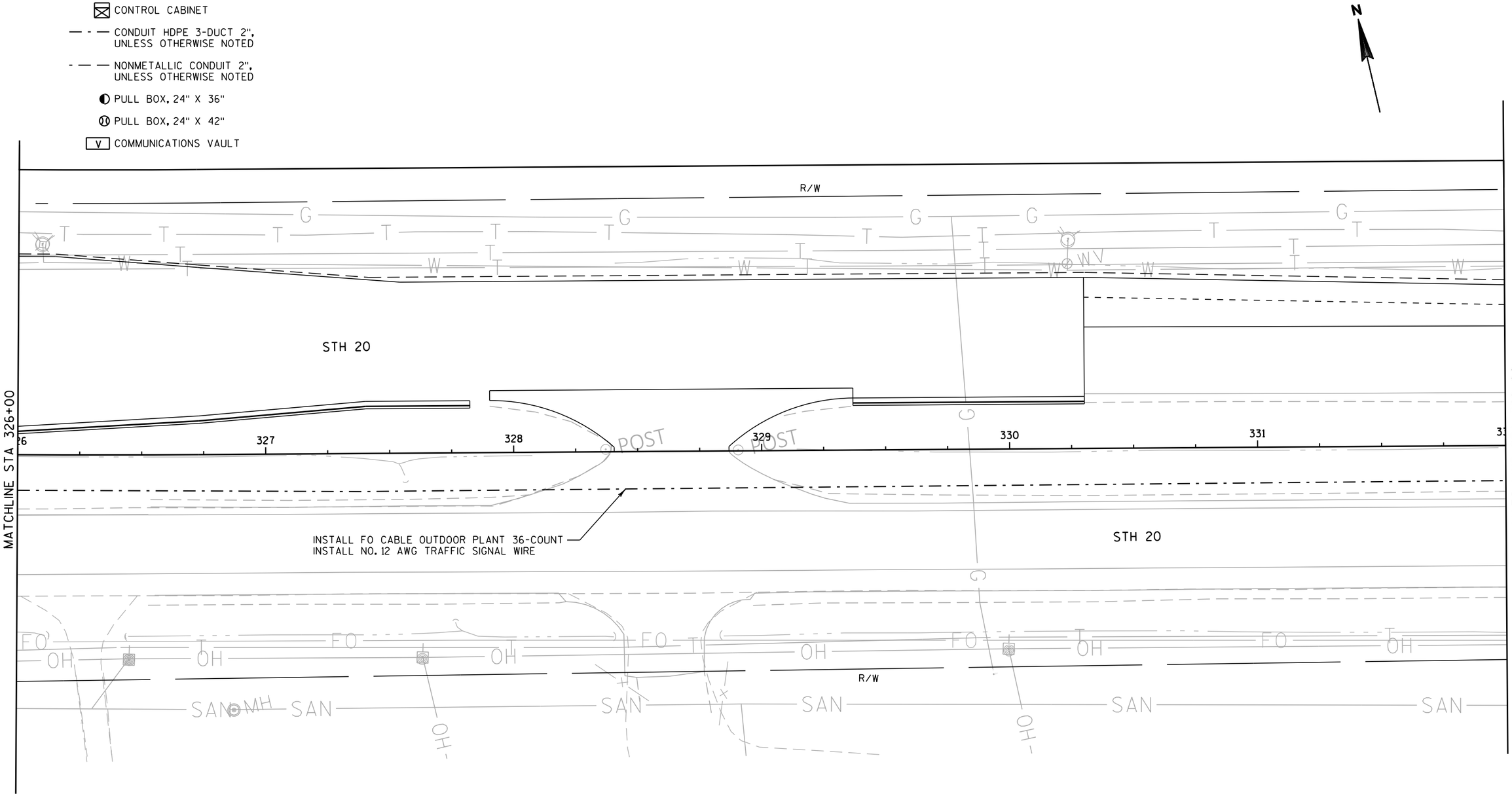
REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024608_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

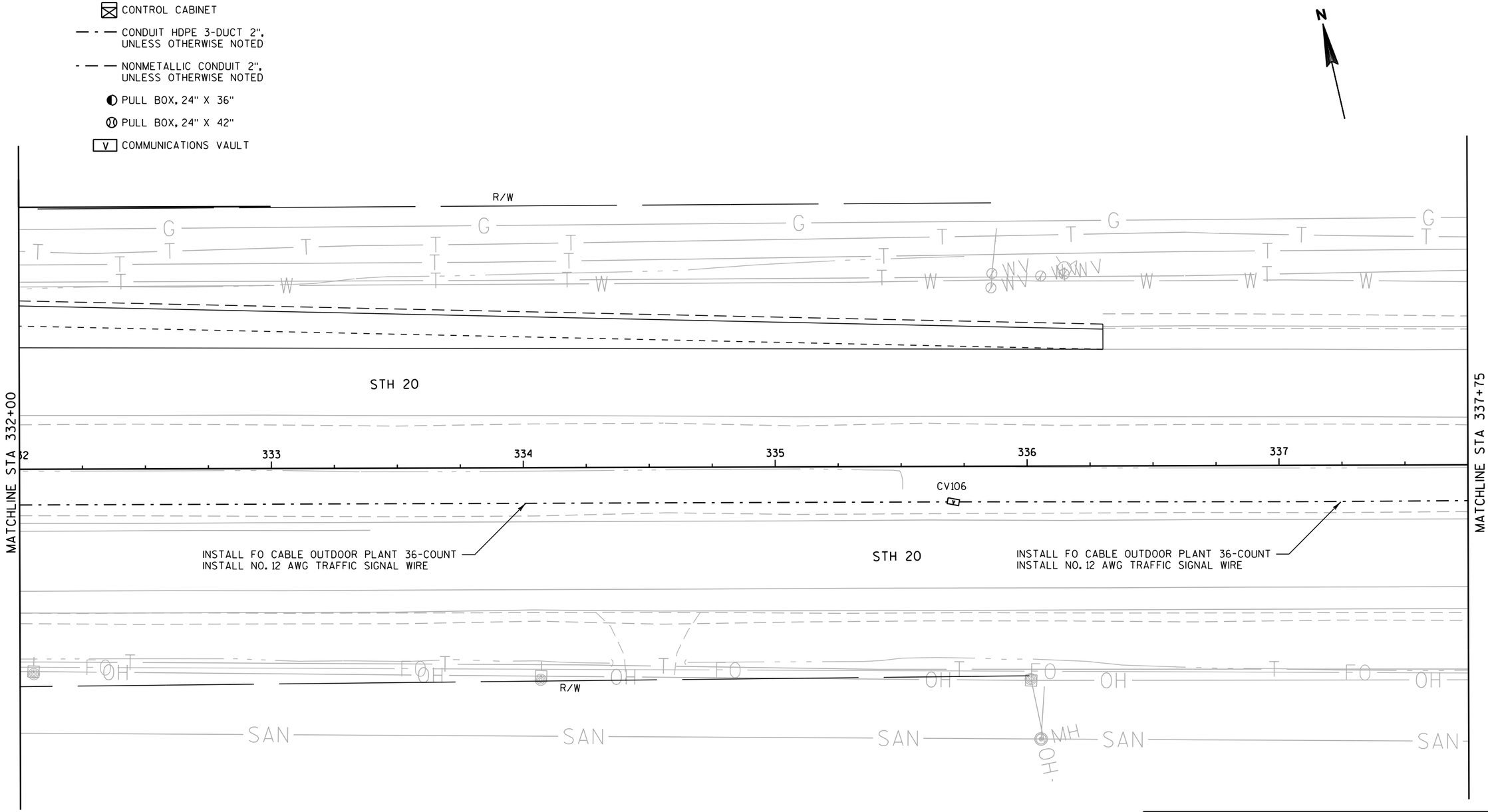
LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT


N
R/W
STH 20
MATCHLINE STA 326+00
326
327
328
329
330
331
POST
POST
INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE
STH 20
R/W
MATCHLINE STA 332+00
MATCHLINE
SAN MH
SAN
SAN
SAN
SAN
SAN
OH
OH
OH
OH
OH
OH
FO
FO
FO
FO
FO
W
W
W
W
W
W
G
G
G
G
T
T
T

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT



TRAFFIC CONTROL SIGNAL

STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024610_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- COMMUNICATIONS VAULT

N

MATCHLINE STA 337+75

338 339 340 341 342 343

MATCHLINE STA 343+75

STH 20

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

I/C PB6

I/C PB7

STH 20

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

TRAFFIC CONTROL SIGNAL
STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_288

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024611_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

2

LEGEND

- CONTROL CABINET
- CONDUIT HDPE 3-DUCT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- V COMMUNICATIONS VAULT

MATCHLINE STA 343+75

344

STH 20

INSTALL FO CABLE OUTDOOR PLANT 36-COUNT
INSTALL NO. 12 AWG TRAFFIC SIGNAL WIRE

STH 20

CTH V

137

136

45°

30°

MH

INL

INTERNATIONAL DR

SET

CB1
S51-1306

EXCV8

FIBER OPTIC SPLICE (4)
FIBER OPTIC SPLICE ENCLOSURE

TRAFFIC CONTROL SIGNAL

STH 20
TOWN OF YORKVILLE/
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-0728, S51-0324, S51-0727, S51-1478, S51-1306

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

PAGE 12 OF 12

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET E

PRE_289

FILE NAME : J:\projects\d2_10330294\71\SIG\IC\024612_ic.dgn PLOT DATE : 25-JUL-2019 15:30 PLOT BY : dotcmv PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

LEGEND

(1) MARKING LINE EPOXY 4-INCH (YELLOW)

(2) MARKING LINE EPOXY 4-INCH (WHITE)

(3) MARKING LINE EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)

(5) MARKING LINE EPOXY 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(6) MARKING LINE EPOXY 8-INCH (WHITE)

(7) MARKING STOP LINE EPOXY 18-INCH (WHITE)

(10) MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

(11) MARKING DIAGONAL EPOXY 12-INCH (WHITE)

(14) MARKING WORDS EPOXY (WHITE)

(16) MARKING ARROWS EPOXY (TYPE 2)(WHITE)

(20) MARKING CURB EPOXY (YELLOW)

(21) MARKING ISLAND NOSE EPOXY (YELLOW)

(29) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)

(30) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)

(36) MARKING LINE EPOXY 4-INCH (DASHED YELLOW)
(12.5 FT LINE 37.5 FT SKIP)

(37) MARKING LINE EPOXY 4-INCH (DOT PATTERN YELLOW)
(3 FT LINE 9 FT SKIP)

(39) MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(121) MARKING YIELD LINE EPOXY 18-INCH (WHITE)

(217) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)

(218) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE)
(12.5 FT LINE 37.5 FT SKIP)

(219) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(220) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)
(3 FT LINE 9 FT SKIP)

(221) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)

(222) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE)
(2 FT LINE 6 FT SKIP)

(230) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 2)(WHITE)

(234) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)

(235) MARKING CONTRAST EPOXY SPECIAL MARKING WORD (WHITE)

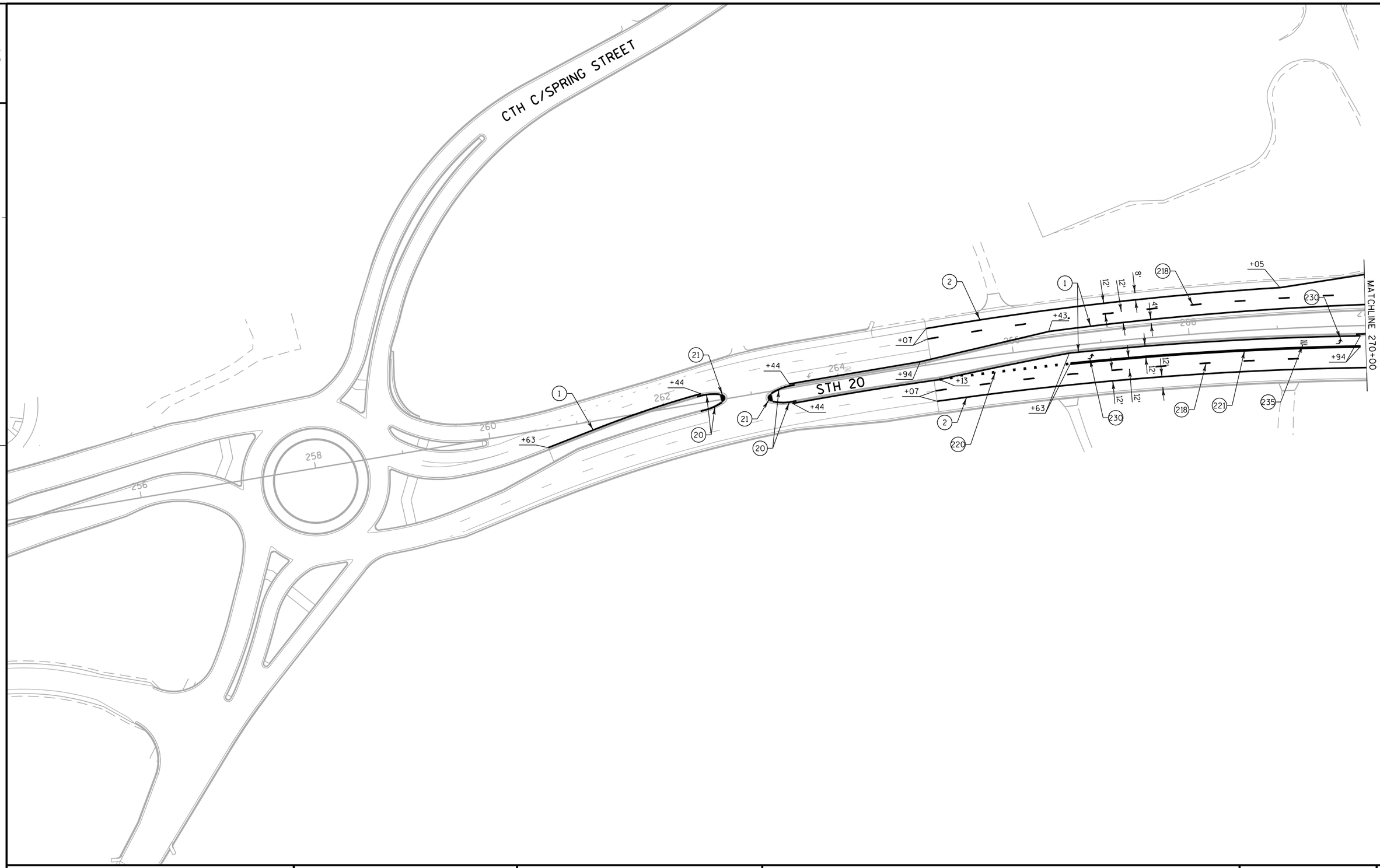
(236) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 3)(WHITE)

(245) MARKING CORRUGATED MEDIAN EPOXY (YELLOW)

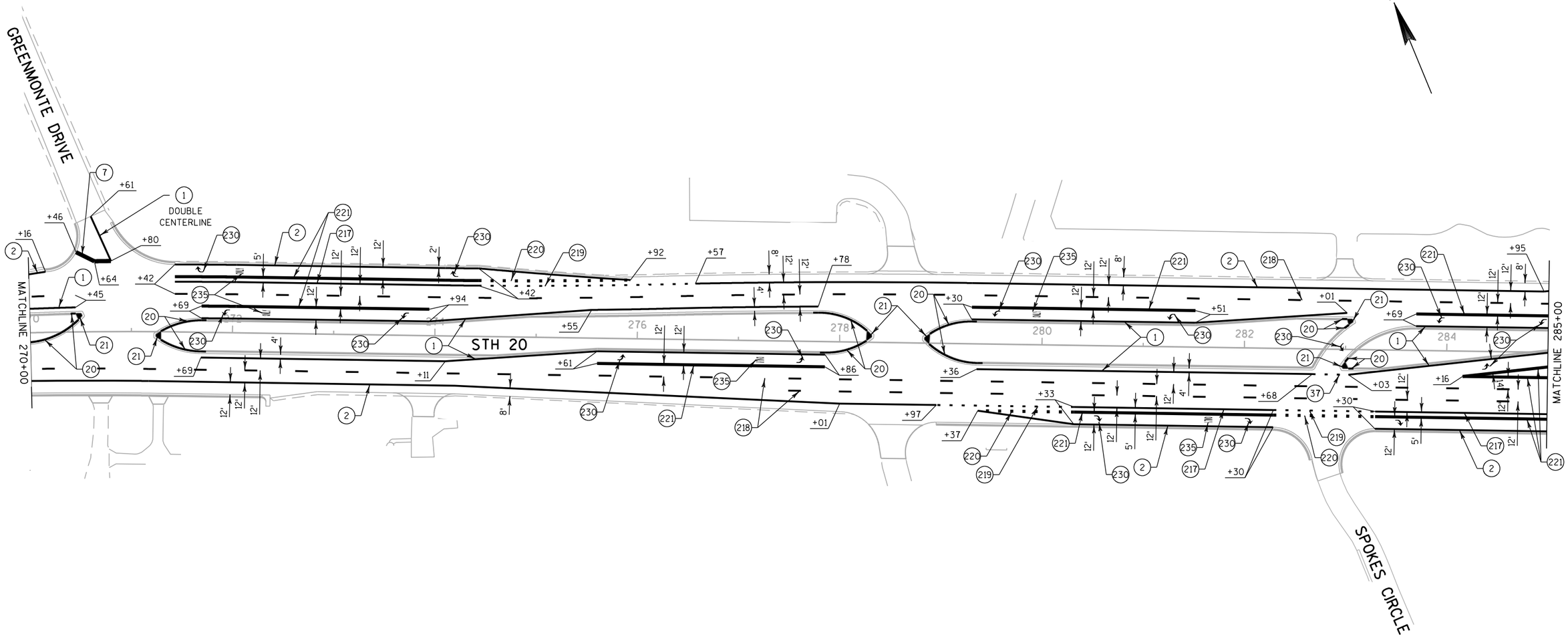
(248) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 1)(WHITE)

⊥ SINGLE DELINEATOR

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_291	E

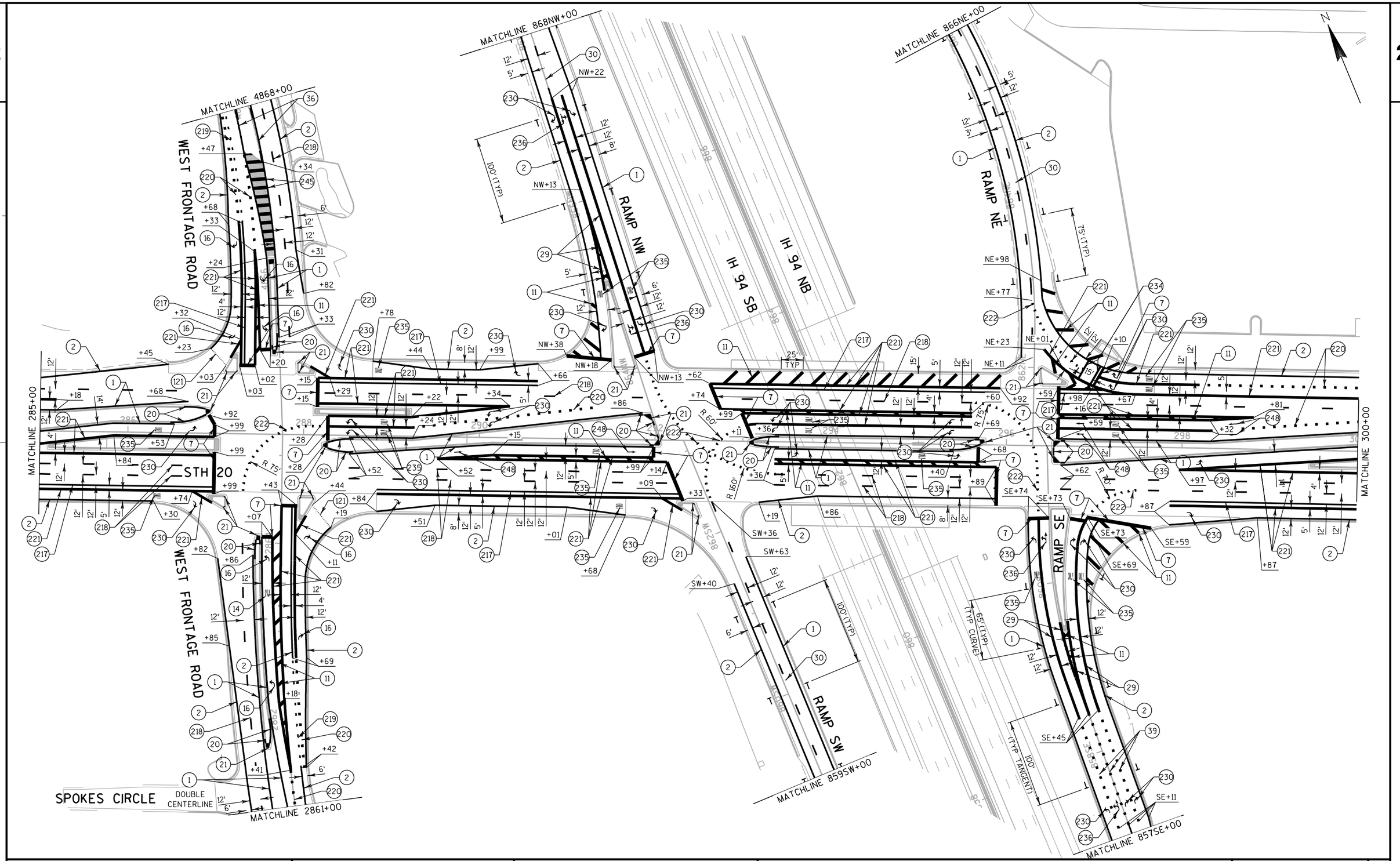


2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_292	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\024502_pm.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : 024502_pm PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_293	E

2

EAST FRONTAGE ROAD

MATCHLINE 300+00

STH 20

MATCHLINE 315+00

EAST FRONTAGE ROAD

MATCHLINE 3854+00

GALAXY DRIVE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_294	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\024504_pm.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : 024504_pm PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

RED CLOUD DRIVE

+NO ALIGNMENT THIS FAR

SEE DETAIL A

SEE DETAIL B

STH 20

MATCHLINE 315+00

MATCHLINE 330+00

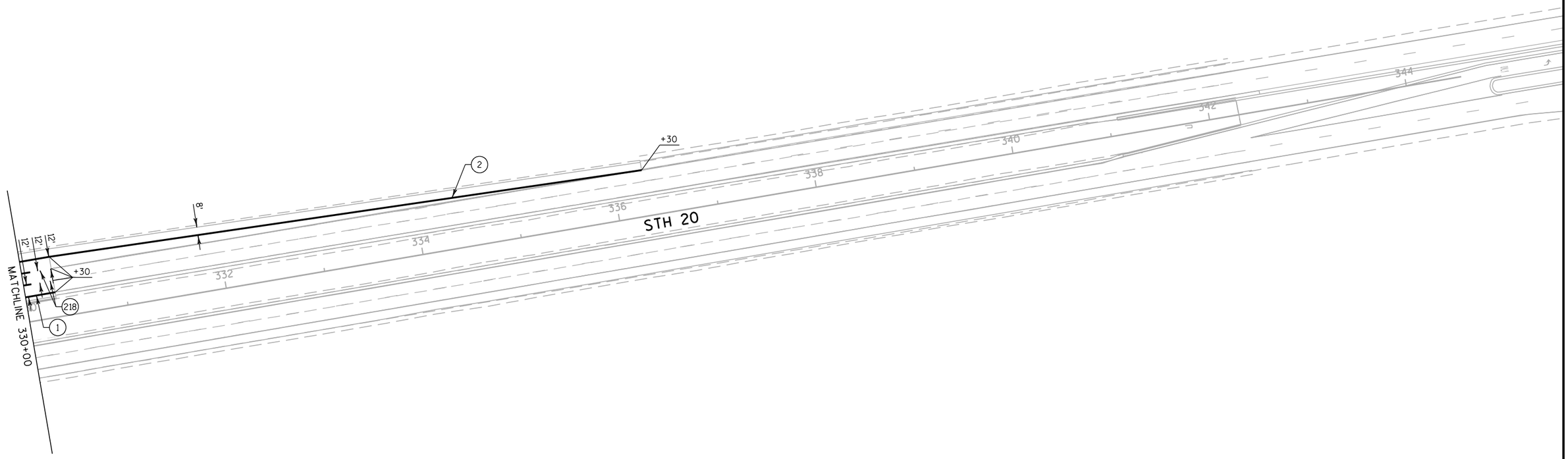
DETAIL A

DETAIL B

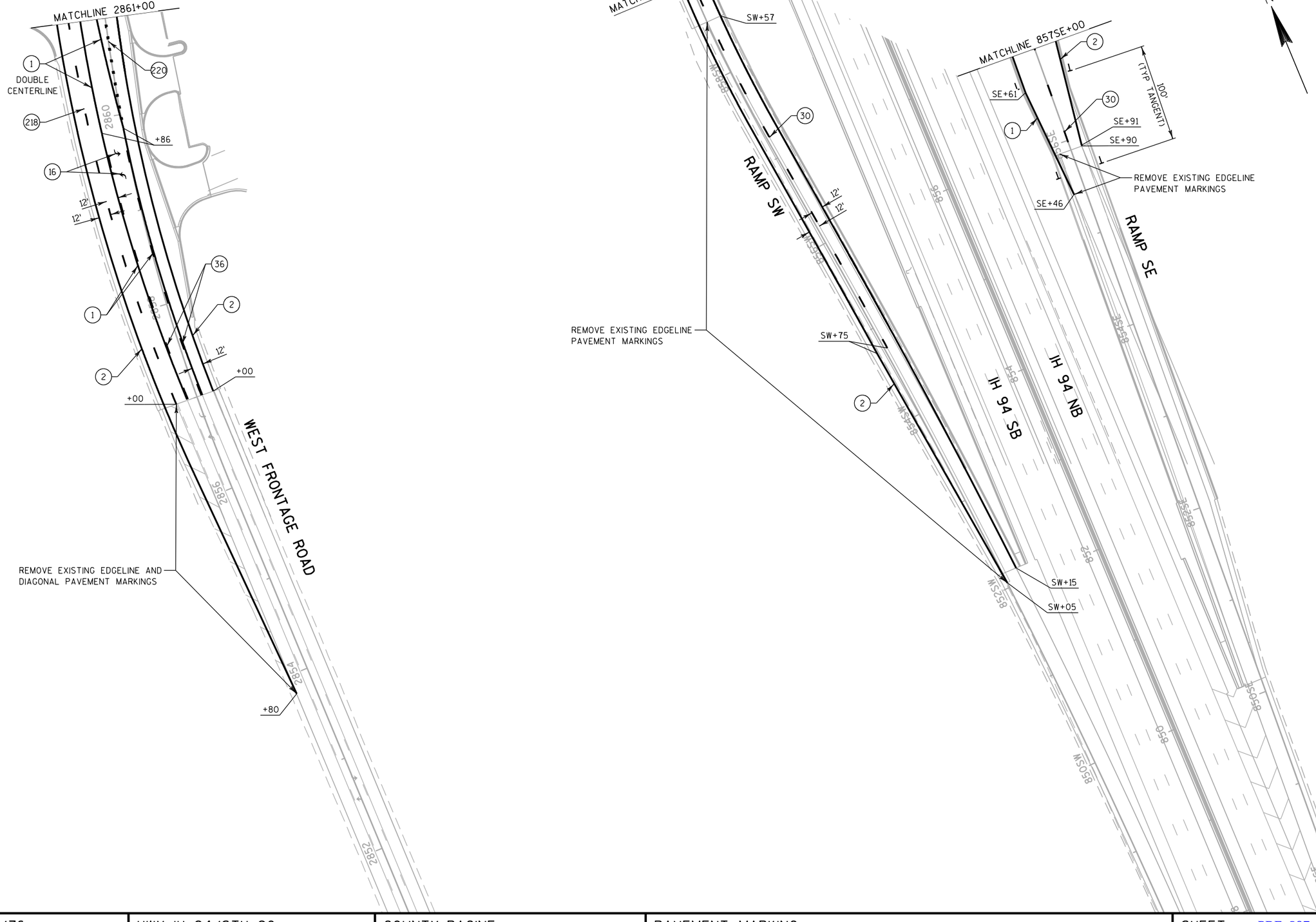
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_295	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\024505_pm.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : 024505_pm PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_296	E



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_297	E

2

EAST FRONTAGE ROAD

WEST FRONTAGE ROAD

RAMP NW

RAMP NE

IH 94 SB

IH 94 NB

NE+90

NE+20

NE+00

+44

+51

+74

+25

NW+40

NW+51

REMOVE EXISTING EDGELINE AND DIAGONAL PAVEMENT MARKINGS

REMOVE EXISTING EDGELINE PAVEMENT MARKINGS

REMOVE EXISTING EDGELINE PAVEMENT MARKINGS

MATCHLINE 4868+00

MATCHLINE 868NW+00

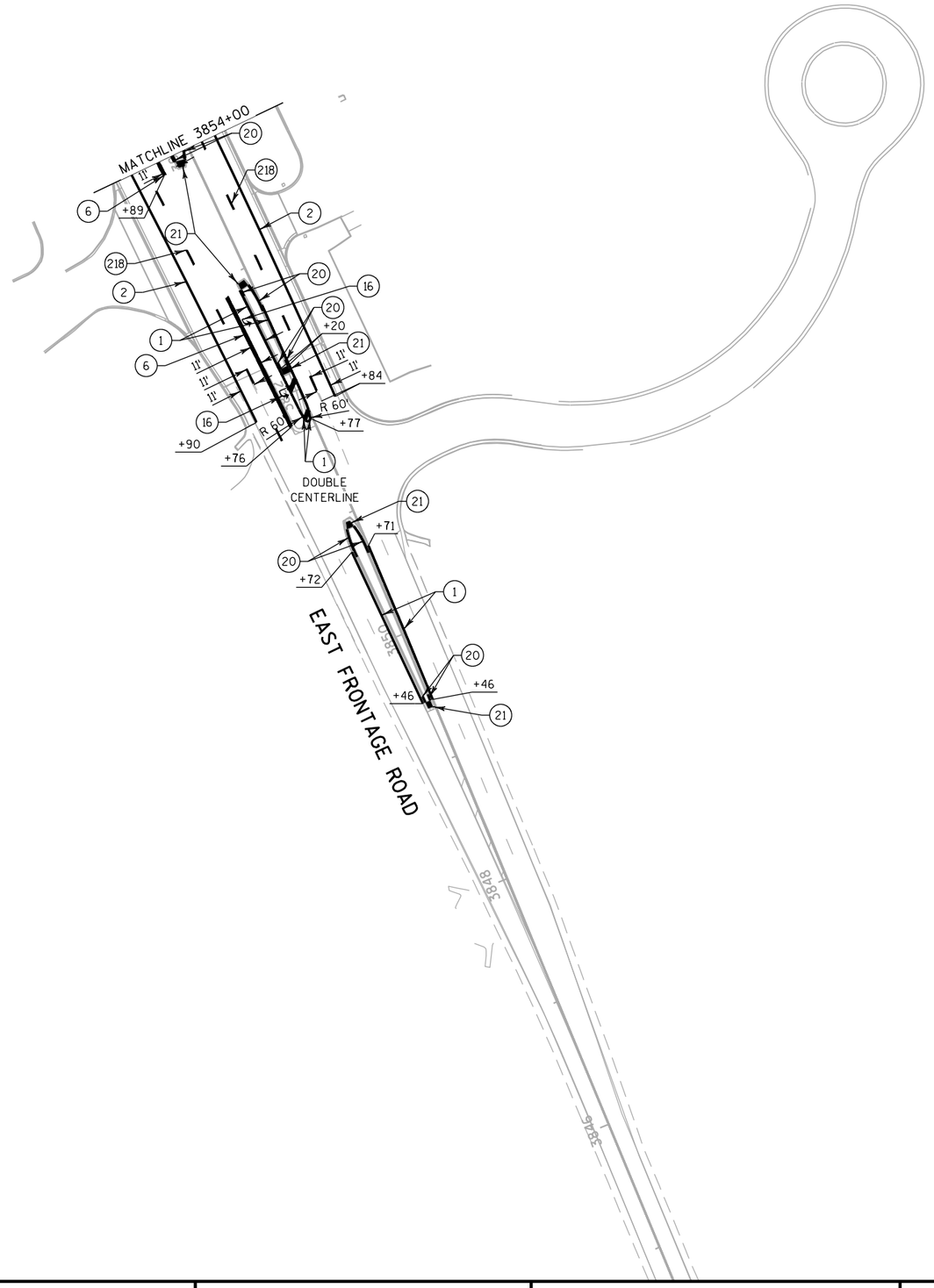
MATCHLINE 866NE+00

12'

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_298	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\024509_pm.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : 024509_pm PLOT SCALE : 100:1

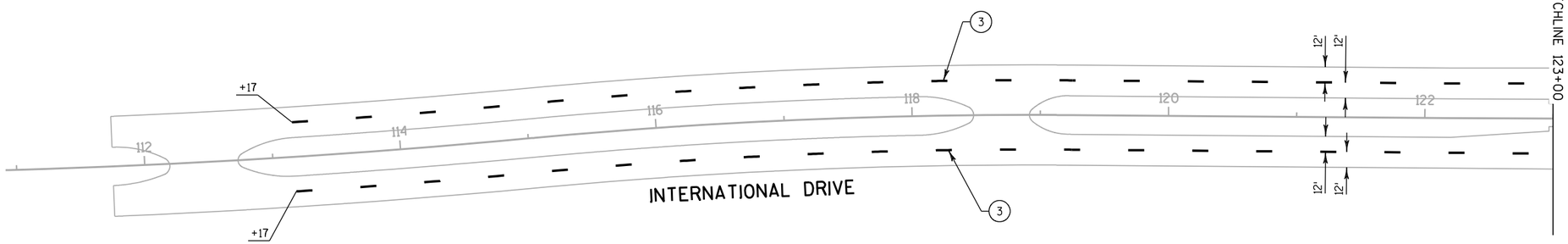
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_299	E

2

N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_300	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\024512_pm.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : 024512_pm PLOT SCALE : 100:1

2

N

MATCHLINE 123+00

12' 12'

124 126 128 130 132 134 136

+99 +16

16 14 6 3

12' 12' 14' 12'

16

INTERNATIONAL DRIVE

+00

16

3

+42 +80

7

16

+00

6 14 7 222

+32

5

+00 +52

16

12' 12' 12' +70

+00 +89

16 6

STH 20

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PAVEMENT MARKING	SHEET PRE_301	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\024513_pm.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : 024513_pm PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

GENERAL NOTES FOR TRAFFIC CONTROL

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

2) CONFLICTING TRAFFIC SIGNS SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER. COVERING OR REMOVAL OF SIGNS WILL BE PAID FOR UNDER THE APPROPRIATE BID ITEM.

3) A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE WORK AREAS IF WARRANTED BY CONDITIONS OR AS DIRECTED BY THE ENGINEER. HOWEVER, CONTRACTOR SHALL NOT USE FLAG PERSONS TO DIRECT, STOP OR CONTROL TRAFFIC ON IH 94 AT ANY TIME.

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

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

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

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

8) DIMENSIONS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF BARRIER ADJACENT TO TRAFFIC. STATION CALL-OUTS TO CONCRETE BARRIER TEMPORARY PRECAST ARE TO THE FACE OF THE BARRIER.

9) THE FACE OF CONCRETE BARRIER TEMPORARY PRECAST ADJACENT TO TRAFFIC SHALL BE PLACED 2 FEET FROM THE EDGE OF TRAVEL WAY UNLESS OTHERWISE NOTED.

10) WORK AREAS SHOWN MAY NOT ILLUSTRATE ALL REMOVALS. SEE REMOVAL SHEETS FOR ADDITIONAL INFORMATION.

11) ALL TEMPORARY RAISED PAVEMENT MARKERS SHALL MATCH THE LINE COLOR OF THE CORRESPONDING PAVEMENT MARKING AND SHALL BE SPACED 25' CENTER TO CENTER ON EDGE LINES OR 50' CENTER TO CENTER ON LANE LINES (UNLESS OTHERWISE NOTED).

12) ALL TRAFFIC CONTROL SIGNS LOCATED IN MEDIANS SHALL BE MOUNTED ON CONCRETE BARRIER UNLESS OTHERWISE NOTED, SEE TRAFFIC CONTROL DETAILS.

13) WHEN A SEGMENT OF THE PROJECT IS NOT SHOWN ON THE STAGING PLANS, USE THE SAME TRAFFIC CONTROL AS THE PREVIOUS STAGE FOR THAT SEGMENT.

GENERAL NOTES FOR FIXED MESSAGE SIGNS FOUND ON TRAFFIC CONTROL SHEETS

1) CONTRACTOR SHALL LOCATE FIXED MESSAGE SIGNS A MINIMUM OF 400' FROM ANY TYPE I SIGN AND A MINIMUM OF 200' FROM ANY TYPE II SIGN, OR AS DIRECTED BY THE ENGINEER.

2) ALL FIXED MESSAGE SIGNS SHALL BE IN ACCORDANCE WITH "WISDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION.

3) "BEGIN XXX XX" SIGNS SHALL BE PLACED 10 DAYS PRIOR TO DATE SPECIFIED.

4) "BEGIN XXX XX" SIGNS SHALL BE SEPARATE PANELS AND ARE CONSIDERED AS PART OF THE SIGN AND SHOULD BE REMOVED OR COVERED AFTER THIER EFFECTIVE DATE. THE MONTH AND DAY SHALL BE DIRECTED BY THE ENGINEER IN THE FIELD.

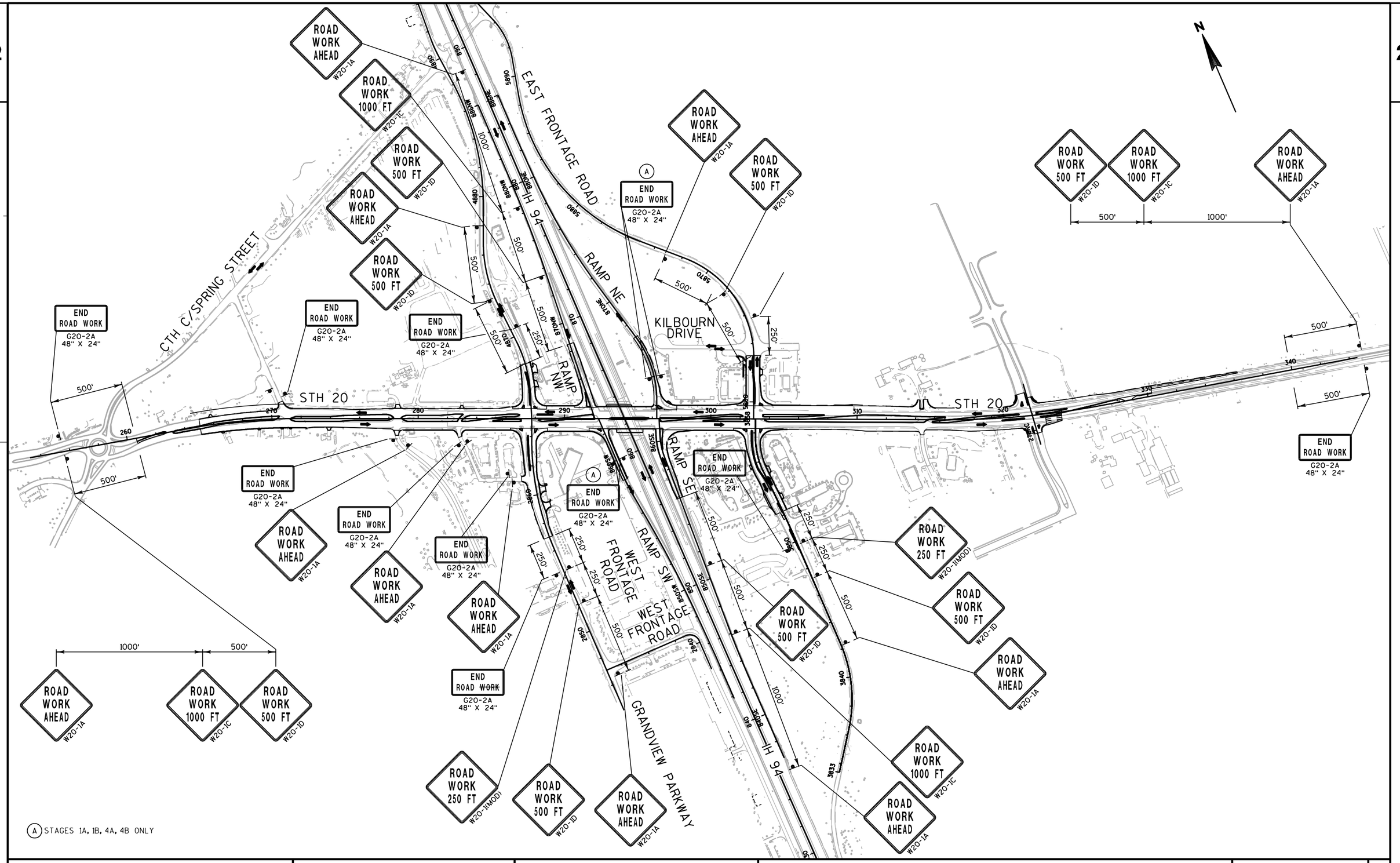
5) SEE FIXED MESSAGE SIGN CONSTRUCTION DETAIL SHEETS FOR MORE INFORMATION.

STAGING LEGEND

- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A AND ATTACHED SIGN PLACED IN PRIOR STAGE
- FIXED MESSAGE SIGN SURFACE MOUNT
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL ARROW BOARD
- CC — CRASH CUSHION TEMPORARY
- CC — CRASH CUSHION TEMPORARY PLACED IN PRIOR STAGE
- SIGN ON TEMPORARY SUPPORT
- PCMS — TRAFFIC CONTROL SIGN PORTABLE CHANGEABLE MESSAGE
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C
- TRAFFIC CONTROL DRUM WITH LIGHT TYPE C PLACED IN PRIOR STAGE
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM PLACED IN PRIOR STAGE
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER
- TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER PLACED IN PRIOR STAGE
- CONCRETE BARRIER TEMPORARY PRECAST (CBTP)
- CONCRETE BARRIER TEMPORARY PRECAST PLACED IN PRIOR STAGE
- TRAFFIC FLOW ARROW
- WORK ZONE THIS STAGE
- TEMPORARY PAVEMENT

TEMPORARY PAVEMENT MARKING LEGEND

- (45) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (46) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (49) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (50) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- (51) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (52) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- (212) TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH (YELLOW)
- (239) TEMPORARY MARKING LINE EPOXY 4-INCH (YELLOW)
- (240) TEMPORARY MARKING LINE EPOXY 4-INCH (WHITE)
- (241) TEMPORARY MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (242) TEMPORARY MARKING LINE EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
- (243) TEMPORARY MARKING LINE EPOXY 8-INCH (WHITE)
- (246) TEMPORARY MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
- (247) TEMPORARY MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (P) PERMANENT PAVEMENT MARKING, SEE PAVEMENT MARKING PLAN
- ▶ TEMPORARY RAISED PAVEMENT MARKERS (ONE-WAY REFLECTOR)

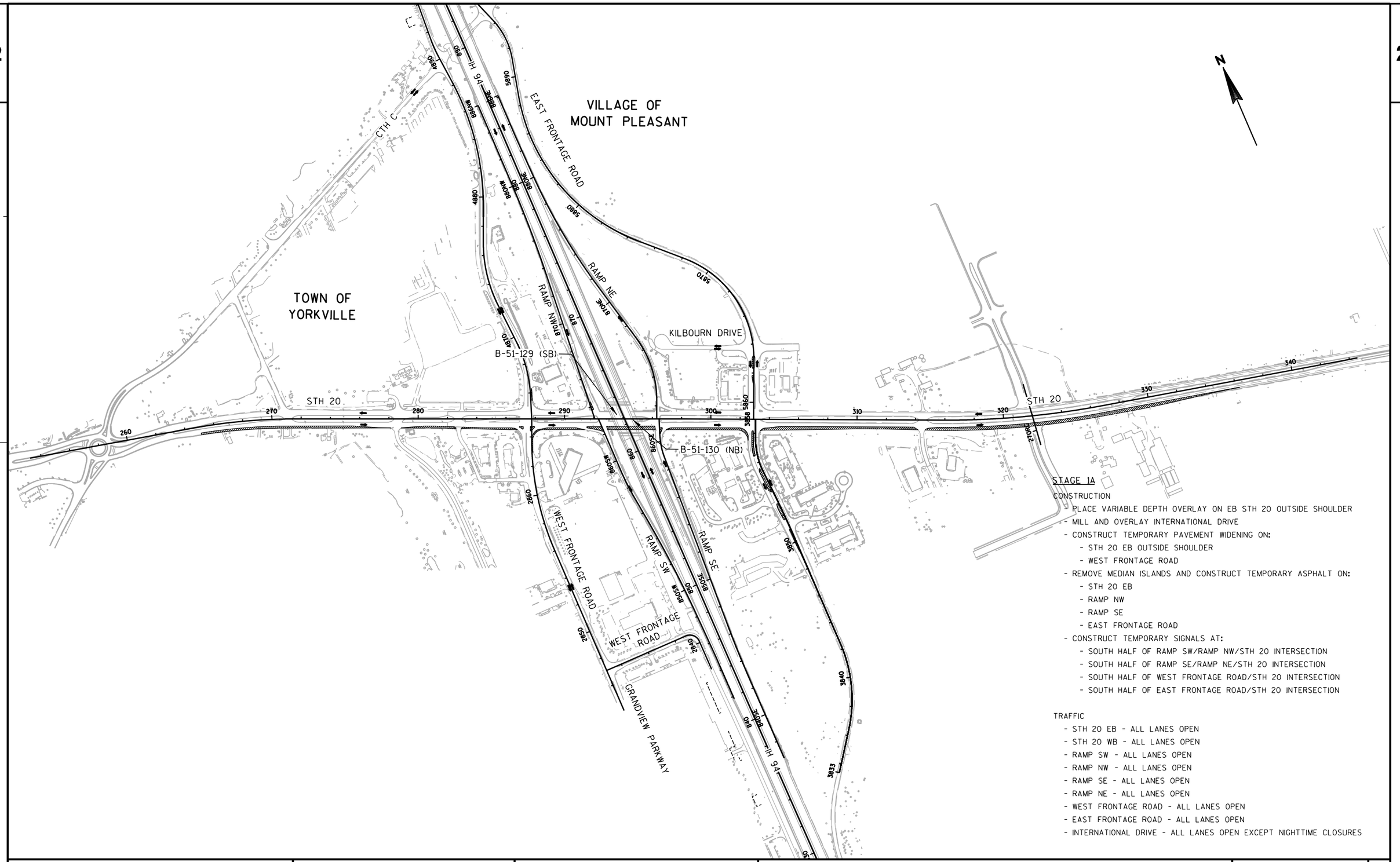


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	TRAFFIC CONTROL - ADVANCED SIGNING	SHEET PRE_303	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\025101_tc.dgn PLOT DATE : 18-AUG-2019 21:42 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 600:1

WISDOT/CADDS SHEET 42

2



STAGE 1A

CONSTRUCTION

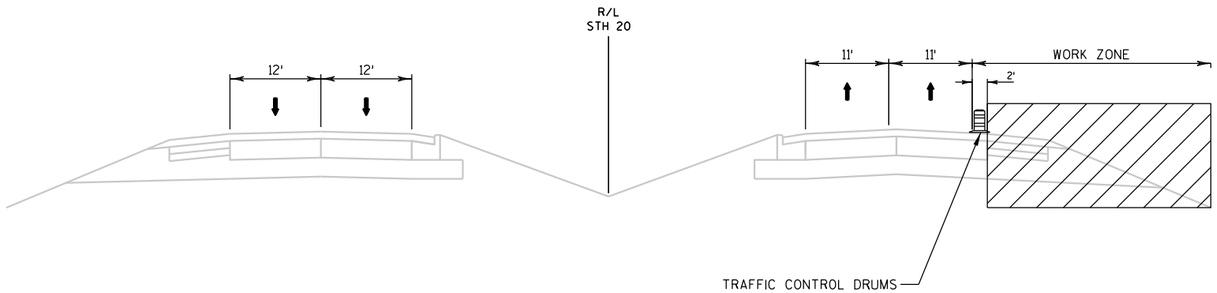
- PLACE VARIABLE DEPTH OVERLAY ON EB STH 20 OUTSIDE SHOULDER
- MILL AND OVERLAY INTERNATIONAL DRIVE
- CONSTRUCT TEMPORARY PAVEMENT WIDENING ON:
  - STH 20 EB OUTSIDE SHOULDER
  - WEST FRONTAGE ROAD
- REMOVE MEDIAN ISLANDS AND CONSTRUCT TEMPORARY ASPHALT ON:
  - STH 20 EB
  - RAMP NW
  - RAMP SE
  - EAST FRONTAGE ROAD
- CONSTRUCT TEMPORARY SIGNALS AT:
  - SOUTH HALF OF RAMP SW/RAMP NW/STH 20 INTERSECTION
  - SOUTH HALF OF RAMP SE/RAMP NE/STH 20 INTERSECTION
  - SOUTH HALF OF WEST FRONTAGE ROAD/STH 20 INTERSECTION
  - SOUTH HALF OF EAST FRONTAGE ROAD/STH 20 INTERSECTION

TRAFFIC

- STH 20 EB - ALL LANES OPEN
- STH 20 WB - ALL LANES OPEN
- RAMP SW - ALL LANES OPEN
- RAMP NW - ALL LANES OPEN
- RAMP SE - ALL LANES OPEN
- RAMP NE - ALL LANES OPEN
- WEST FRONTAGE ROAD - ALL LANES OPEN
- EAST FRONTAGE ROAD - ALL LANES OPEN
- INTERNATIONAL DRIVE - ALL LANES OPEN EXCEPT NIGHTTIME CLOSURES

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: OVERVIEW - STAGE 1A	SHEET PRE_304	E

2



STAGE 1A TYPICAL SECTION

STH 20
LOOKING NORTH

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: TYPICAL SECTIONS - STAGE 1A	SHEET PRE_305	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026001_s1a.dgn PLOT DATE : 18-AUG-2019 21:43 PLOT BY : MSCD1S PLOT NAME : 026001_s1a PLOT SCALE : 20:1

2

CTH C/SPRING STREET

STH 20

256 258 260 262 264 266 268

MATCHLINE 270+00

+06.59
42.18' RT
TEMPORARY
WIDENING

+25.09
30.26' RT

+18.54
42.47' RT

+06.61
55.18' RT
TEMPORARY
WIDENING

12'

12'

11'

11'

25' TYP

50' TYP

R=3500'

46

51

MAINTAIN DRIVEWAY ACCESS

W01-6
48" X 24"

TYPE III BARRICADE

W1-4B
48" X 48"

RIGHT
SHOULDER
CLOSED

W21-5A
48" X 48"

SIGN

WELL

POST

SEPC

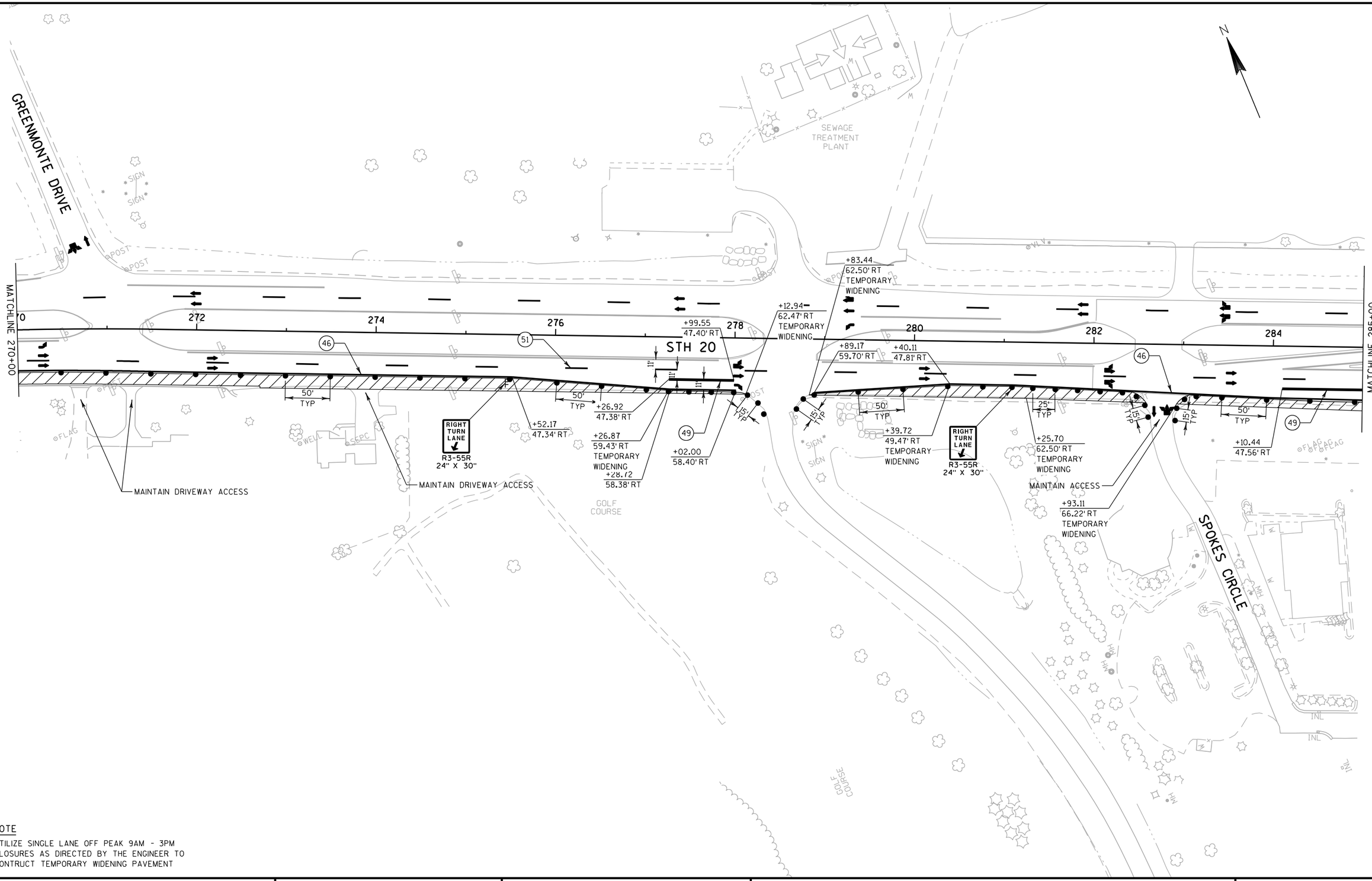
SEPV

NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_306	E

2



NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_307	E

2

N

MATCHLINE 285+00

MATCHLINE 300+00

+29.36
11.06' RT
TEMPORARY
WIDENING

+10.45
36.67' RT

+61.68
47.66' RT

+70.11
47.68' RT

+09.36
47.67' RT

+79.79
61.39' RT
TEMPORARY
WIDENING

+78.43
47.74' RT

+22.77
47.72' RT

+77.08
60.73' RT
TEMPORARY
WIDENING

+21.26
67.61' RT

+80.78
47.79' RT

+58.79
47.79' RT

+54.08
63.01' RT

NW+66.17
5.67' LT

NW+21.54
5.68' RT

NW+66.78
9.98' RT

NW+83.82
2.44' LT

NW+22.39
0.11' LT
TEMPORARY
WIDENING

NW+76.83
0.00' LT
TEMPORARY
WIDENING

+47.22
10.23' RT
TEMPORARY
WIDENING

+20.68
73.50' RT
TEMPORARY
WIDENING

+78.03
73.50' RT
TEMPORARY
WIDENING

+79.84
36.05' LT

+18.82
14.76' LT

+78.88
3.01' LT

+18.51
3.77' LT

+96.10
5.58' RT
TEMPORARY
WIDENING

+18.61
24.40' LT

+75.91
0.66' RT

+36.43
73.50' RT
TEMPORARY
WIDENING

SW+97.93
4.98' RT

SW+69.64
13.53' RT

+86.78
50.18' RT
TEMPORARY
WIDENING

+47.85
25.84' RT

+97.76
36.80' RT

+94.15
73.50' RT
TEMPORARY
WIDENING

+16.95
49.96' RT
TEMPORARY
WIDENING

+21.68
47.88' RT

+20.95
73.50' RT
TEMPORARY
WIDENING

SE+78.59
23.01' LT

SE+40.97
11.37' LT

SE+89.08
25.73' LT

+37.61
47.96' RT

+66.08
47.01' RT

+64.69
36.76' RT

SE+52.61
18.94' RT

+29.36
58.28' RT

+93.35
75.91' RT
TEMPORARY
WIDENING

+15.48
73.50' RT
TEMPORARY
WIDENING

RIGHT TURN LANE
R3-55R
24" X 30"

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

SPOKES CIRCLE

WEST FRONTAGE ROAD

RAMP NW

RAMP SW

IH 94 SB

IH 94 NB

RAMP NE

RAMP SE

STH 20

NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_308	E

2

MATCHLINE 5863+00

EAST FRONTAGE ROAD

STH 20

MATCHLINE 300+00

MATCHLINE 315+00

MATCHLINE 3854+00

GALAXY DRIVE

+45.14
14.28' LT

+84.49
46.66' RT

+96.22
57.68' RT

+69.71
22.21' RT

+68.02
58.41' RT

+38.53
79.08' RT
TEMPORARY
WIDENING

+81.29
48.47' RT
TEMPORARY
WIDENING

+00.67
73.50' RT
TEMPORARY
WIDENING

+82.86
1.75' LT

+95.67
62.50' RT
TEMPORARY
WIDENING

+99.98
62.50' RT
TEMPORARY
WIDENING

+65.35
68.49' RT
TEMPORARY
WIDENING

+16.50
67.39' RT
TEMPORARY
WIDENING

+81.61
46.80' RT

+88.29
48.68' RT
TEMPORARY
WIDENING

+27.27
76.42' RT

+58.19
73.62' RT

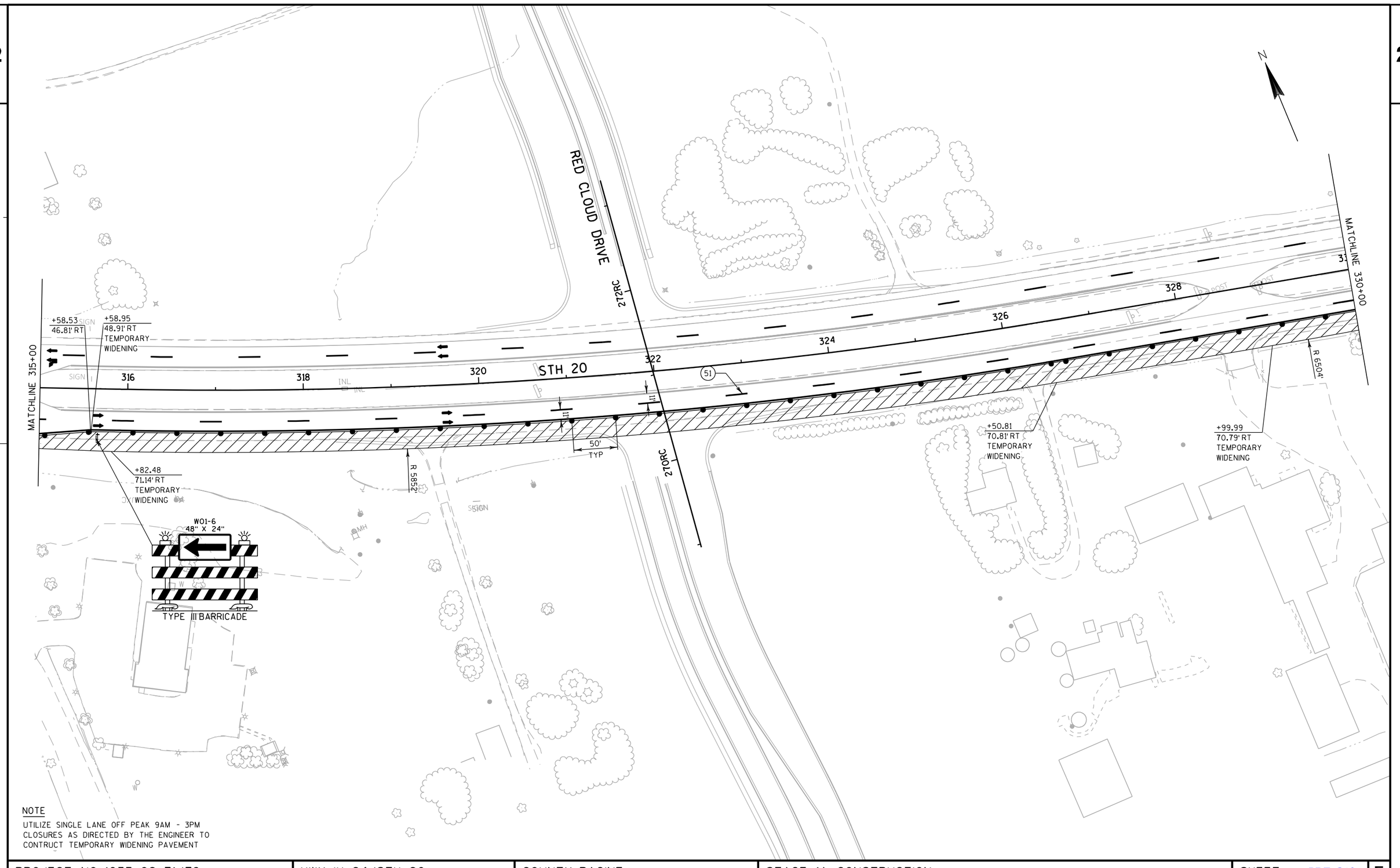
W01-6
48" X 24"
TYPE III BARRICADE

NOTE
UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_309	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026014_s1a.dgn PLOT DATE : 18-AUG-2019 21:43 PLOT BY : MSCD1S PLOT NAME : 026014_s1a PLOT SCALE : 100:1

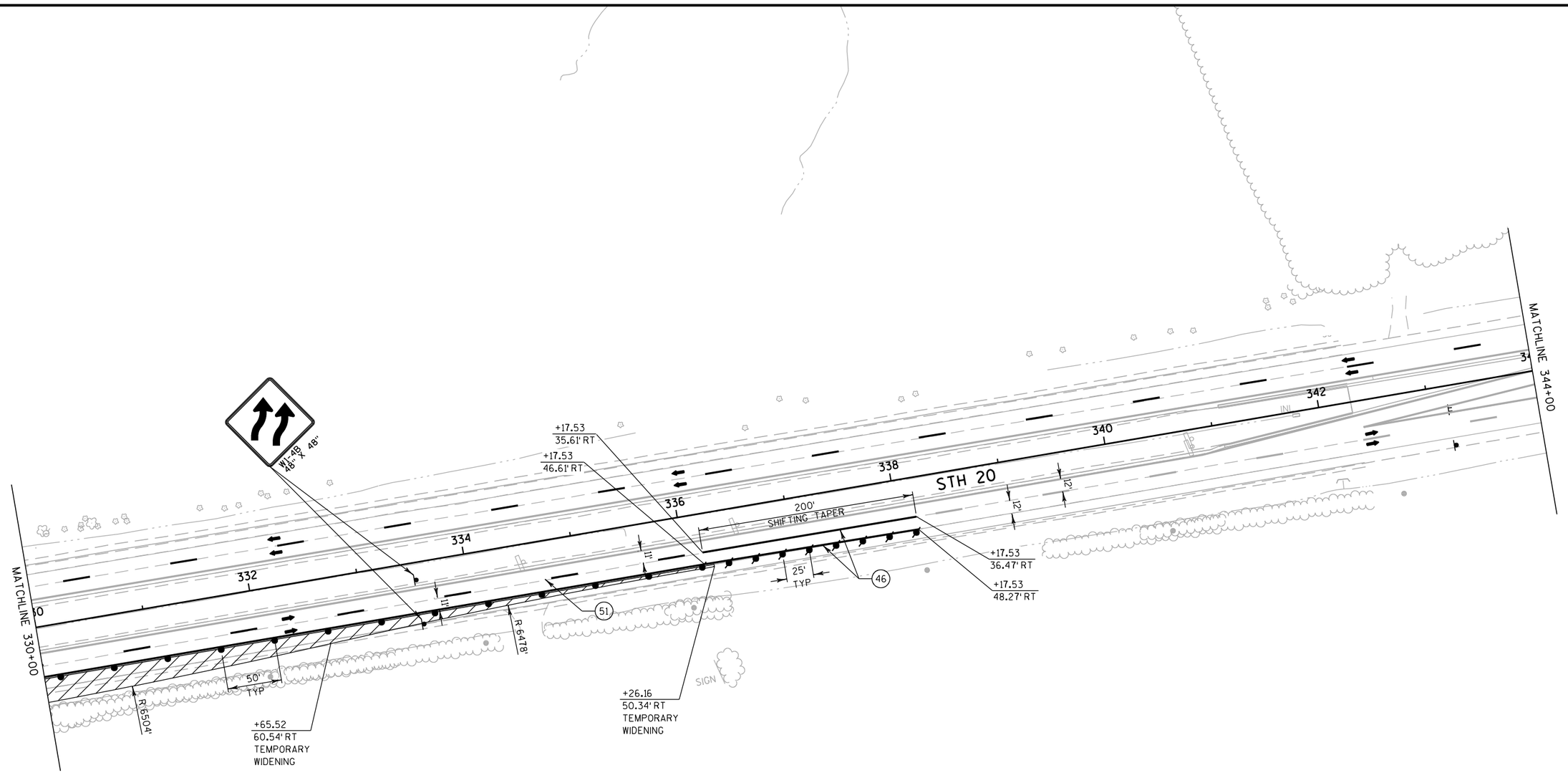
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_310	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026015_s1a.dgn PLOT DATE : 18-AUG-2019 21:43 PLOT BY : MSCD1S PLOT NAME : 026015_s1a PLOT SCALE : 100:1

2

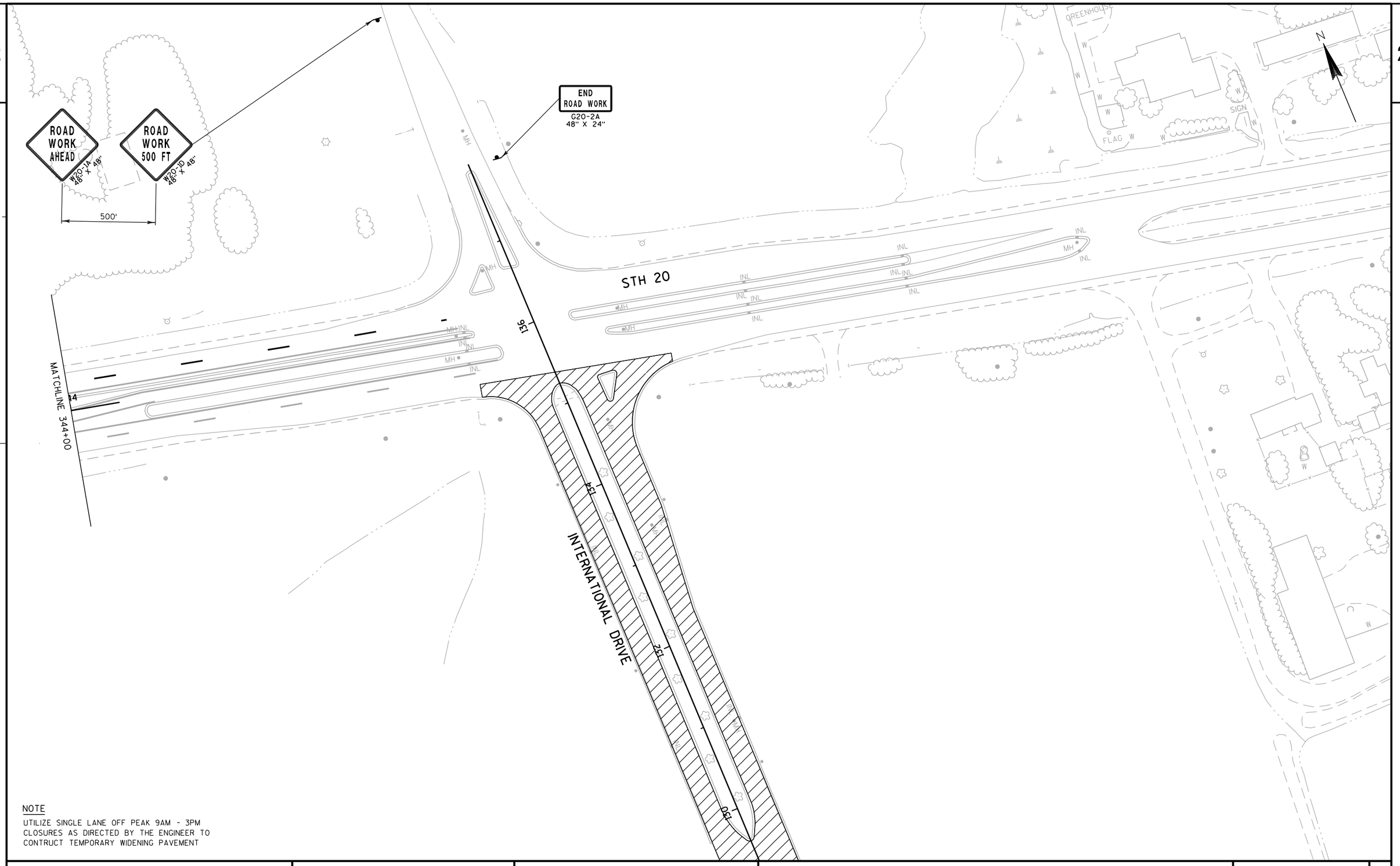


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_311	E

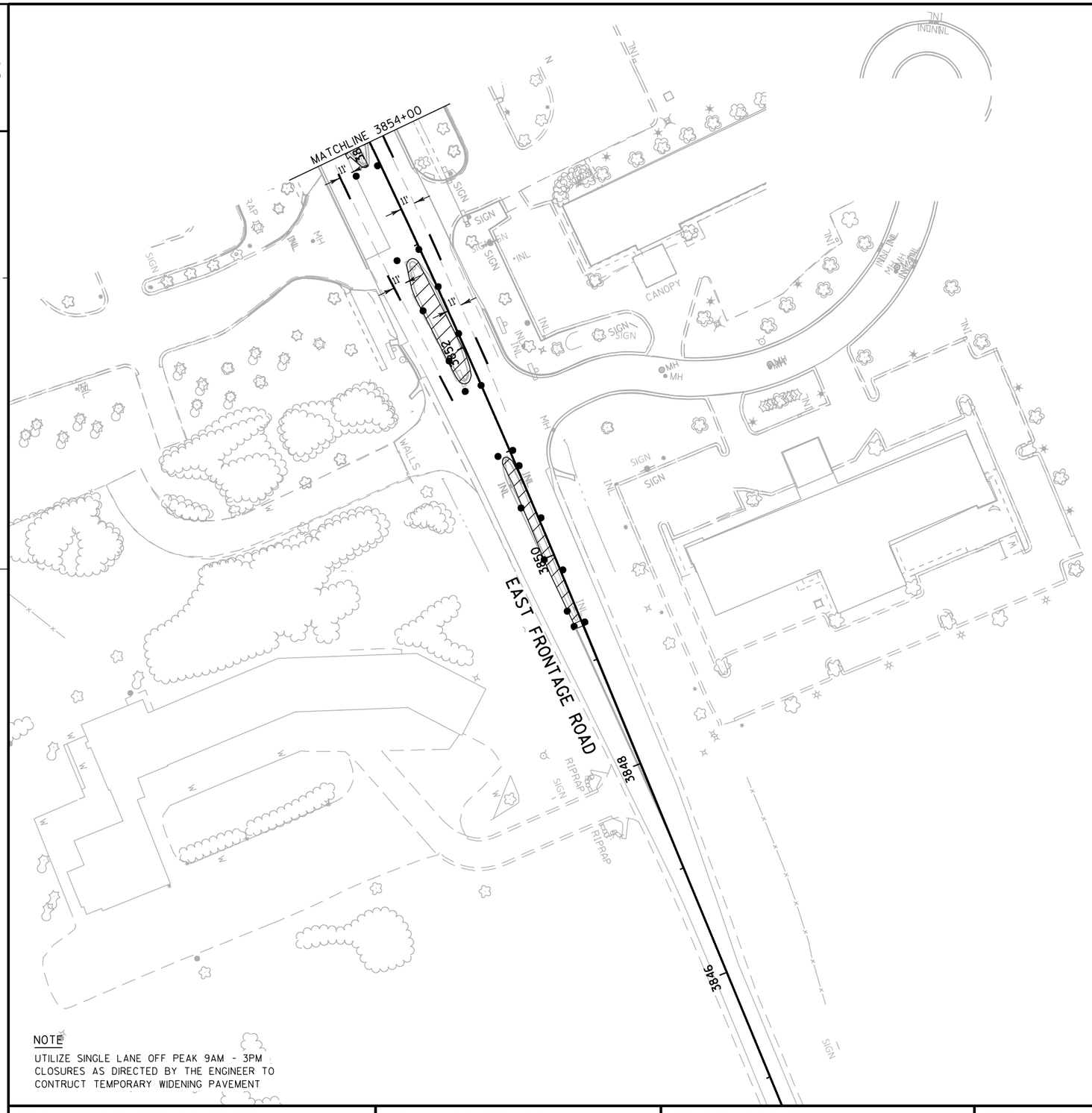
2



NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_312	E



NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_313	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026020_s1a.dgn PLOT DATE : 18-AUG-2019 21:44 PLOT BY : MSCD1S PLOT NAME : 026020_s1a PLOT SCALE : 100:1

2

N

5870

5868

5866

EAST FRONTAGE ROAD

5864

+21.65
25.17' LT

KILBOURN DRIVE

MH

MH

51

SIGN

MATCHLINE 5863+00

NOTE

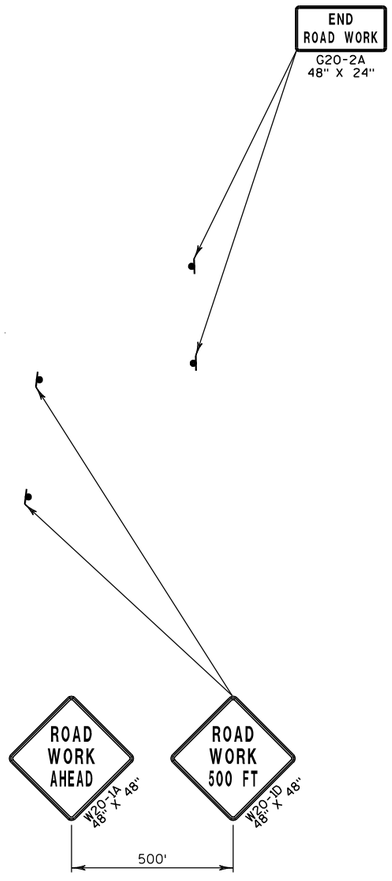
UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

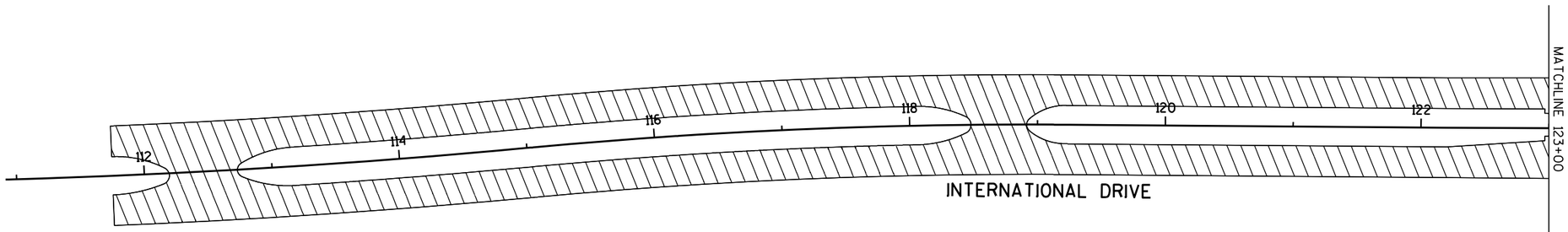
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_314	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026021_s1a.dgn PLOT DATE : 18-AUG-2019 21:44 PLOT BY : MSCD1S PLOT NAME : 026021_s1a PLOT SCALE : 100:1

2

N



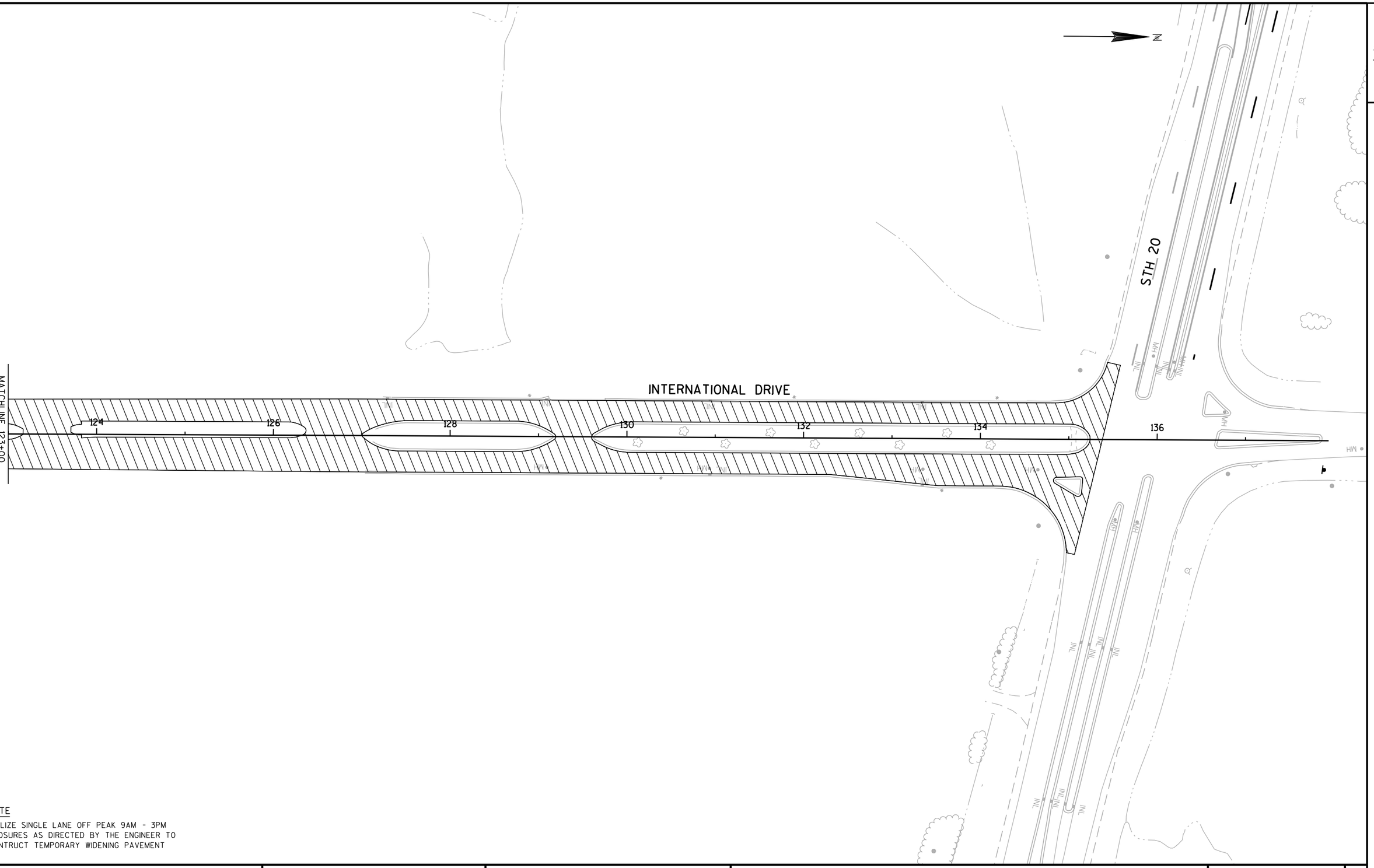


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO:1033-02-71/76	HWY:IH 94/STH 20	COUNTY:RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_315	E

2

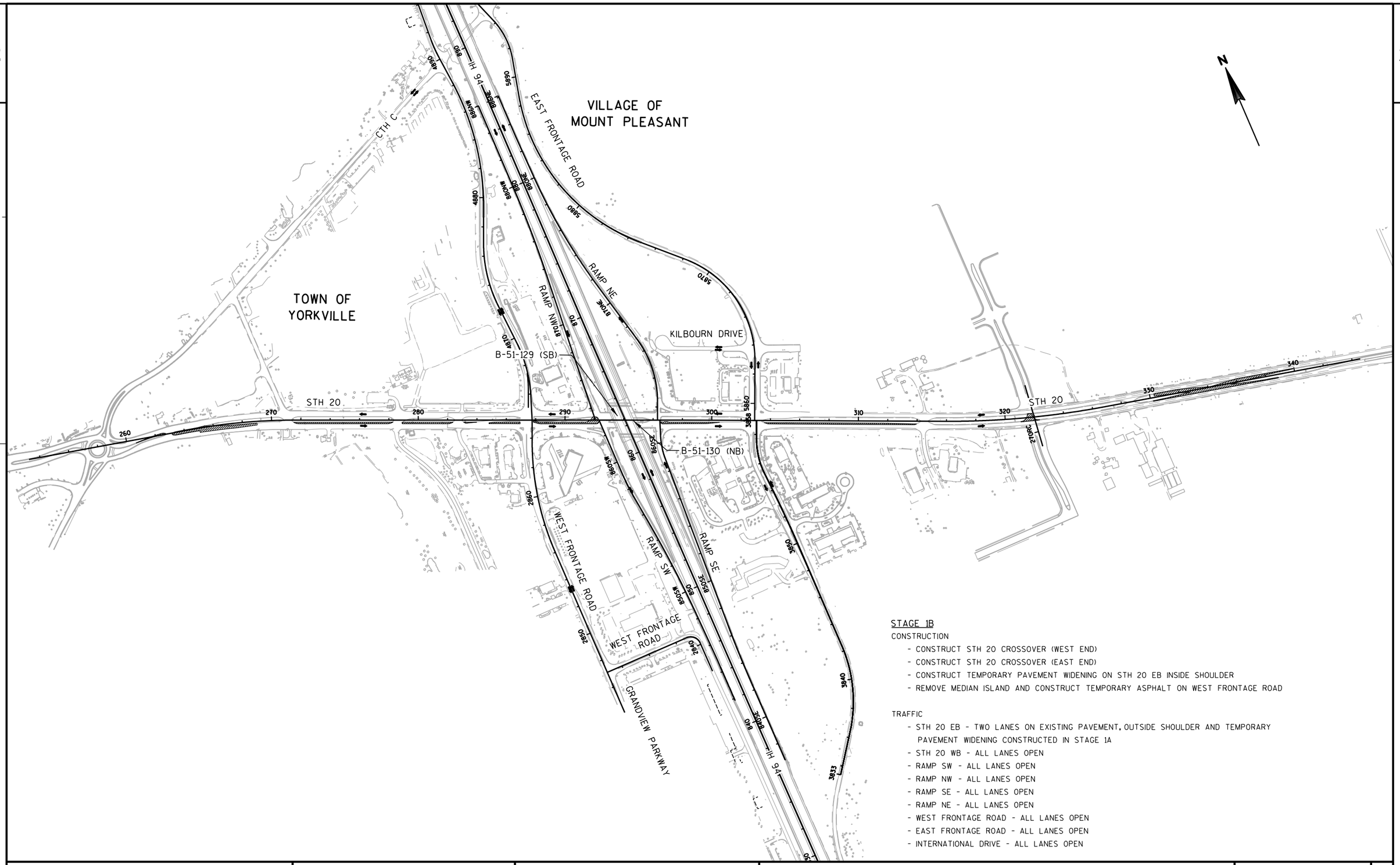


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1A CONSTRUCTION	SHEET PRE_316	E

2



STAGE 1B

CONSTRUCTION

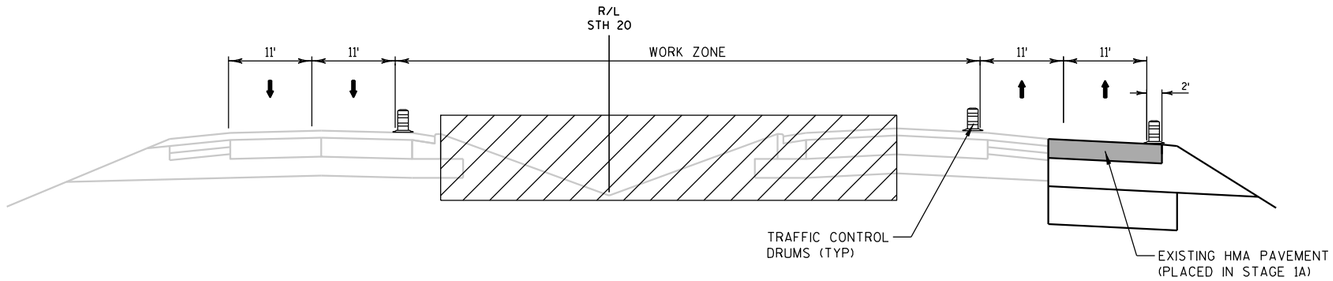
- CONSTRUCT STH 20 CROSSOVER (WEST END)
- CONSTRUCT STH 20 CROSSOVER (EAST END)
- CONSTRUCT TEMPORARY PAVEMENT WIDENING ON STH 20 EB INSIDE SHOULDER
- REMOVE MEDIAN ISLAND AND CONSTRUCT TEMPORARY ASPHALT ON WEST FRONTAGE ROAD

TRAFFIC

- STH 20 EB - TWO LANES ON EXISTING PAVEMENT, OUTSIDE SHOULDER AND TEMPORARY PAVEMENT WIDENING CONSTRUCTED IN STAGE 1A
- STH 20 WB - ALL LANES OPEN
- RAMP SW - ALL LANES OPEN
- RAMP NW - ALL LANES OPEN
- RAMP SE - ALL LANES OPEN
- RAMP NE - ALL LANES OPEN
- WEST FRONTAGE ROAD - ALL LANES OPEN
- EAST FRONTAGE ROAD - ALL LANES OPEN
- INTERNATIONAL DRIVE - ALL LANES OPEN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: OVERVIEW - STAGE 1B	SHEET PRE_317	E

2

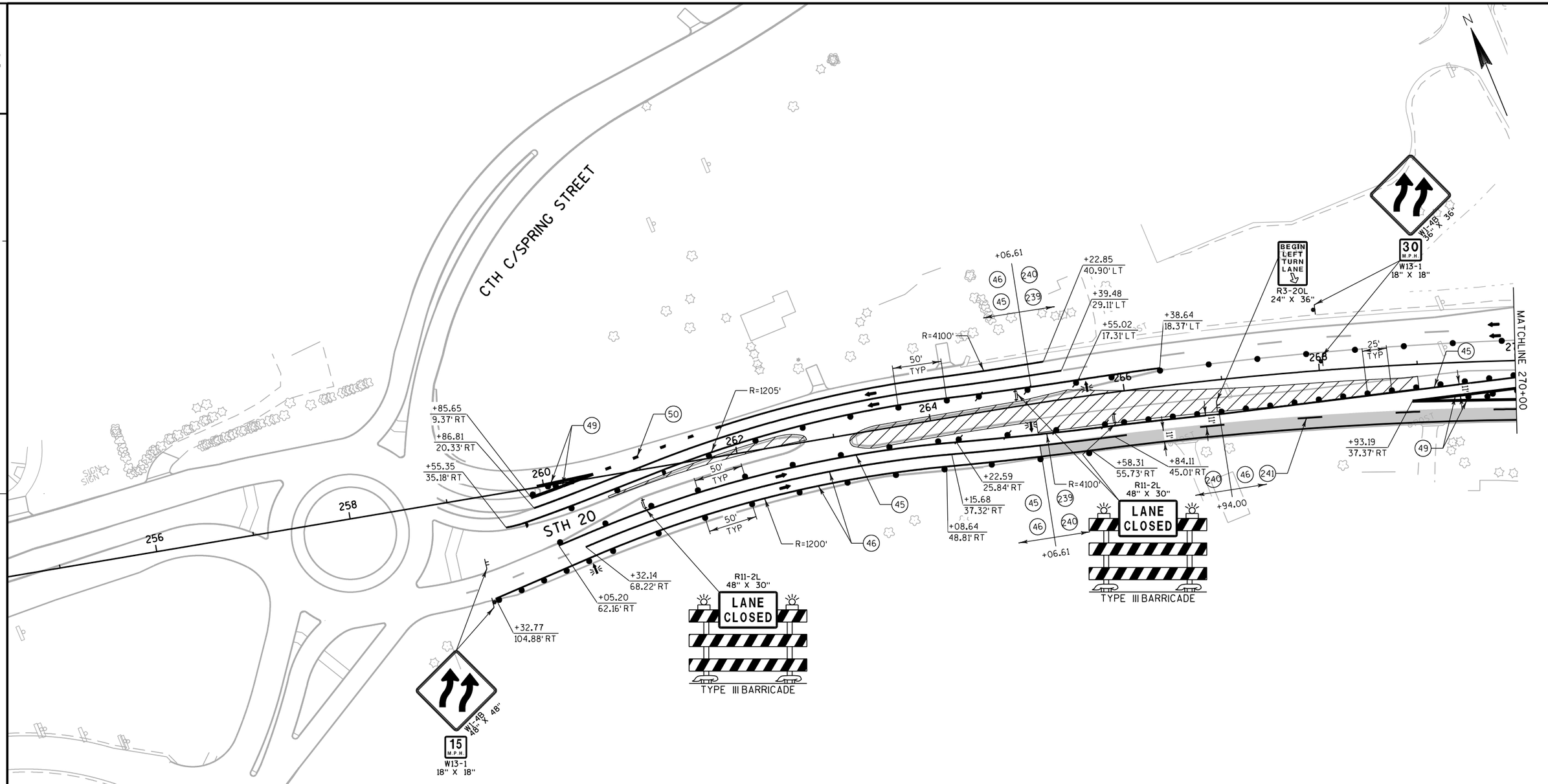


STAGE 1B TYPICAL SECTION

STH 20
LOOKING NORTH

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: TYPICAL SECTIONS - STAGE 1B	SHEET PRE_318	E

2



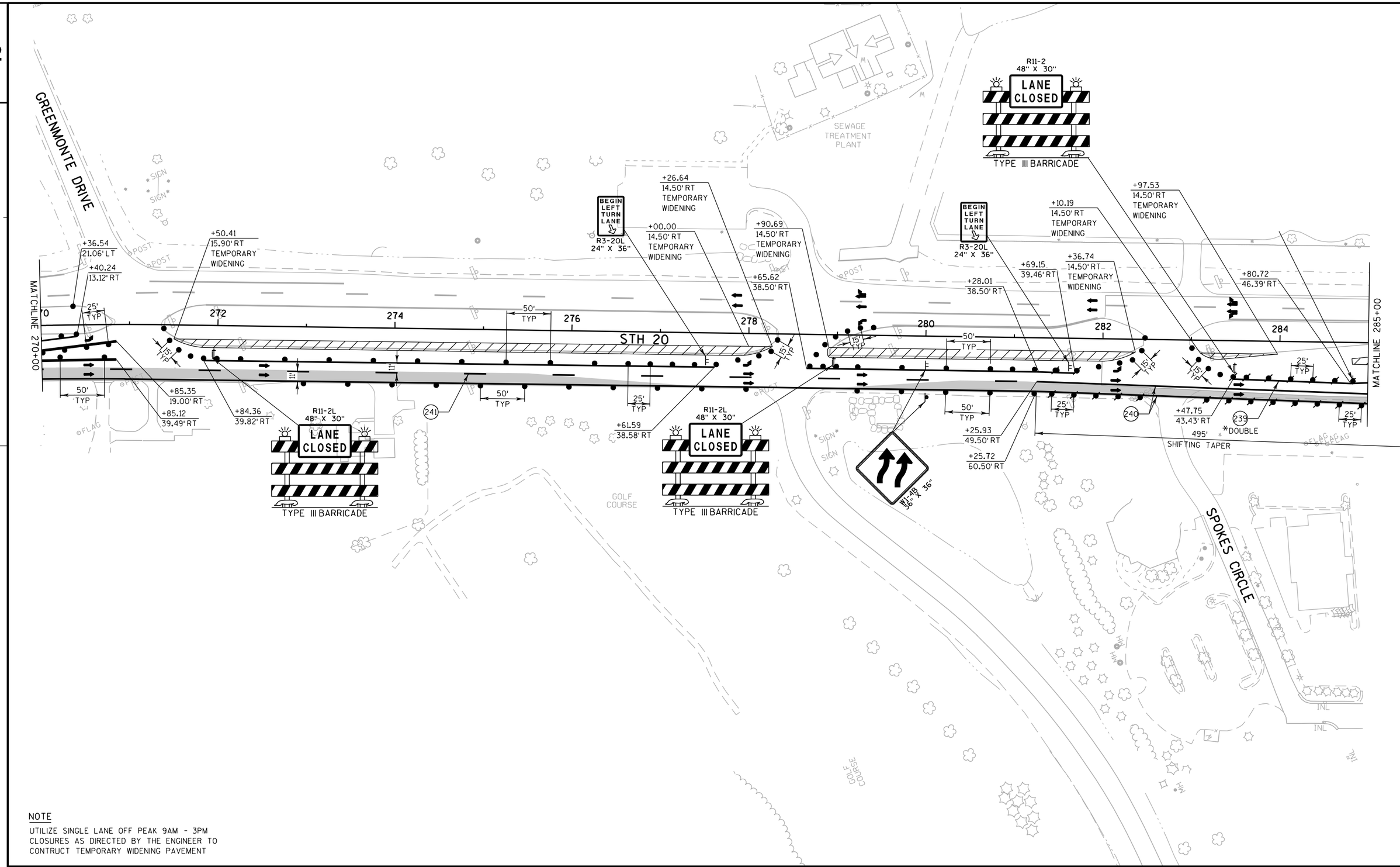
NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_319	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026111_s1b.dgn PLOT DATE : 18-AUG-2019 21:44 PLOT BY : MSCD1S PLOT NAME : 026111_s1b PLOT SCALE : 100:1

2



NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_320	E

2

MATCHLINE 4868+00

MATCHLINE 868NW+00

MATCHLINE 866NE+00

MATCHLINE 285+00

MATCHLINE 300+00

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

BEGIN LEFT TURN LANE
R3-20L
24" X 36"

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

W01-6
48" X 24"
TYPE III BARRICADE

+94.46
23.43' LT

+96.59
38.50' RT

+96.59
49.50' RT

+01.63
6.09' RT
TEMPORARY WIDENING

+87.67
21.37' LT
TEMPORARY WIDENING

+34.06
14.50' RT
TEMPORARY WIDENING

R 58' TEMPORARY WIDENING

R 48' TEMPORARY WIDENING

TEMPORARY WIDENING

+55.50
49.50' RT

+71.52
17.61' RT

+10.88
38.50' RT

+98.97
49.50' RT

+09.87
49.50' RT

STH 20

SHIFTING TAPER
495'

+45.65
71.50' RT

+13.10
68.54' LT

+47.61
49.50' RT

+55.69
71.50' RT

+03.23
71.50' RT

+85.93
87.51' RT

+76.67
4.60' RT

+97.77
60.50' RT

+93.49
71.50' RT

+71.05
49.50' RT

+20.79
71.50' RT

+15.72
60.50' RT

+18.51
71.50' RT

+49.63
38.50' RT

+55.92
49.50' RT

SE+59.52
25.32' RT

WEST FRONTAGE ROAD

SPOKES CIRCLE

RAMP NW

RAMP NE

RAMP SW

RAMP SE

IH 94 SB

IH 94 NB

NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_321	E

2

EAST FRONTAGE ROAD

5862

5860

3858

3856

3854

SIGN

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

+52.34
14.50' RT
TEMPORARY
WIDENING

+56.28
14.50' RT
TEMPORARY
WIDENING

+50.43
201.96' RT
TEMPORARY
WIDENING

+15.41
14.50' RT
TEMPORARY
WIDENING

+11.19
18.92' RT
TEMPORARY
WIDENING

MATCHLINE 300+00

MATCHLINE 315+00

STH 20

300 302 304 306 308 310 312 314

+31.12
22.07' RT

+08.60
49.50' RT

+78.31
42.18' RT

25' TYP

50' TYP

15' TYP

R 60'

R 45'

(243) (52) (241) (240) (239)

+17.48
70.56' LT

+11.23
71.50' RT

+73.66
71.50' RT

+56.14
22.08' RT

+16.16
60.50' RT

+16.04
49.50' RT

+16.28
71.50' RT

*DOUBLE

+11.04
38.50' RT

+15.39
38.50' RT

+10.91
49.50' RT

+15.39
49.50' RT

+11.04
60.50' RT

+15.39
60.50' RT

+82.68
66.31' RT

+28.21
65.30' RT

495'
SHIFTING TAPER

383'
SHIFTING TAPER

W24-1AL

W01-6
48" X 24"
TYPE III BARRICADE

GALAXY DRIVE

NOTE
UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_322	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026114_s1b.dgn PLOT DATE : 18-AUG-2019 21:45 PLOT BY : MSCD1S PLOT NAME : 026114_s1b PLOT SCALE : 100:1

2

2

RED CLOUD DRIVE

272RC

270RC

STH 20

MATCHLINE 315+00

MATCHLINE 330+00

316 318 320 322 324 326 328

W01-6
48" X 24"
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

W1-4R
36" X 36"

40 M.P.H.
W13-1
18" X 18"

15' TYP

*DOUBLE

50' TYP

25' TYP

383' SHIFTING TAPER

100' SHIFTING TAPER

R 648'

+96.75

+96.77

+46.62

+97.89
47.14' RT

+97.89
58.14' RT

+97.89
69.14' RT

+20.73
49.42' LT

+55.49
68.78' RT

+94.09
68.79' RT

+15.38
57.79' RT

+15.38
68.79' RT

239 240 241 45 46 51

SIGN

HMH

NOTE

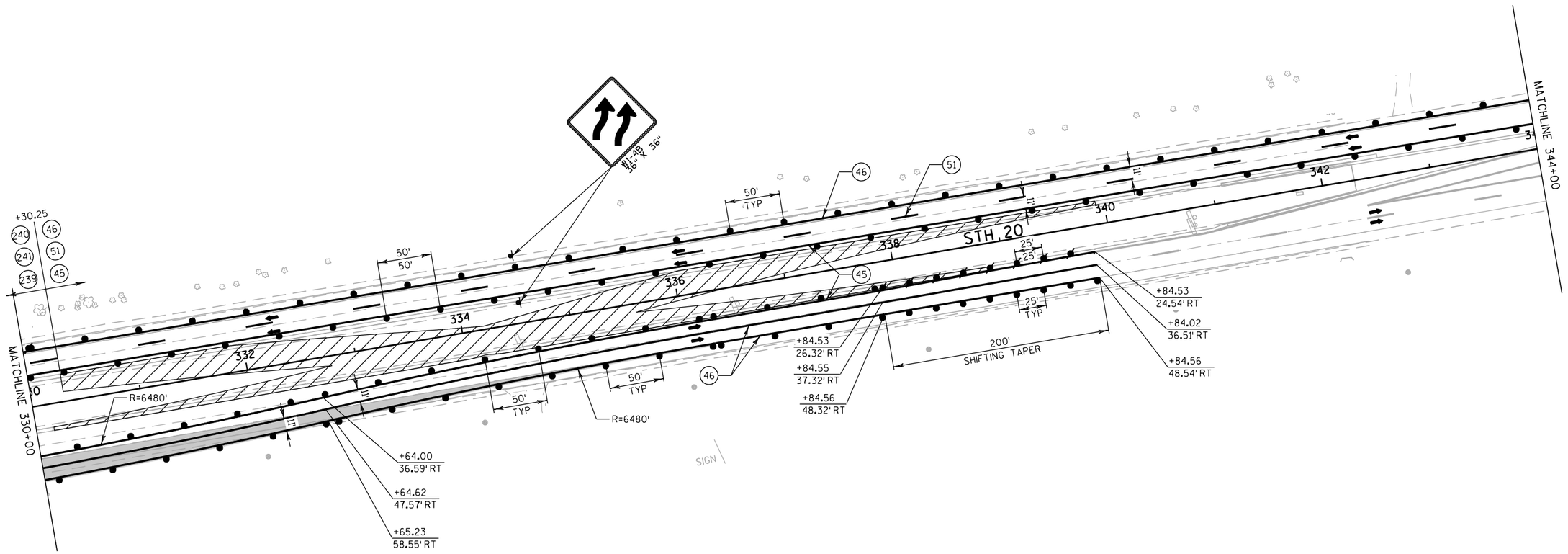
UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

*

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_323	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026115_s1b.dgn PLOT DATE : 18-AUG-2019 21:45 PLOT BY : MSCD1S PLOT NAME : 026115_s1b PLOT SCALE : 100:1

2

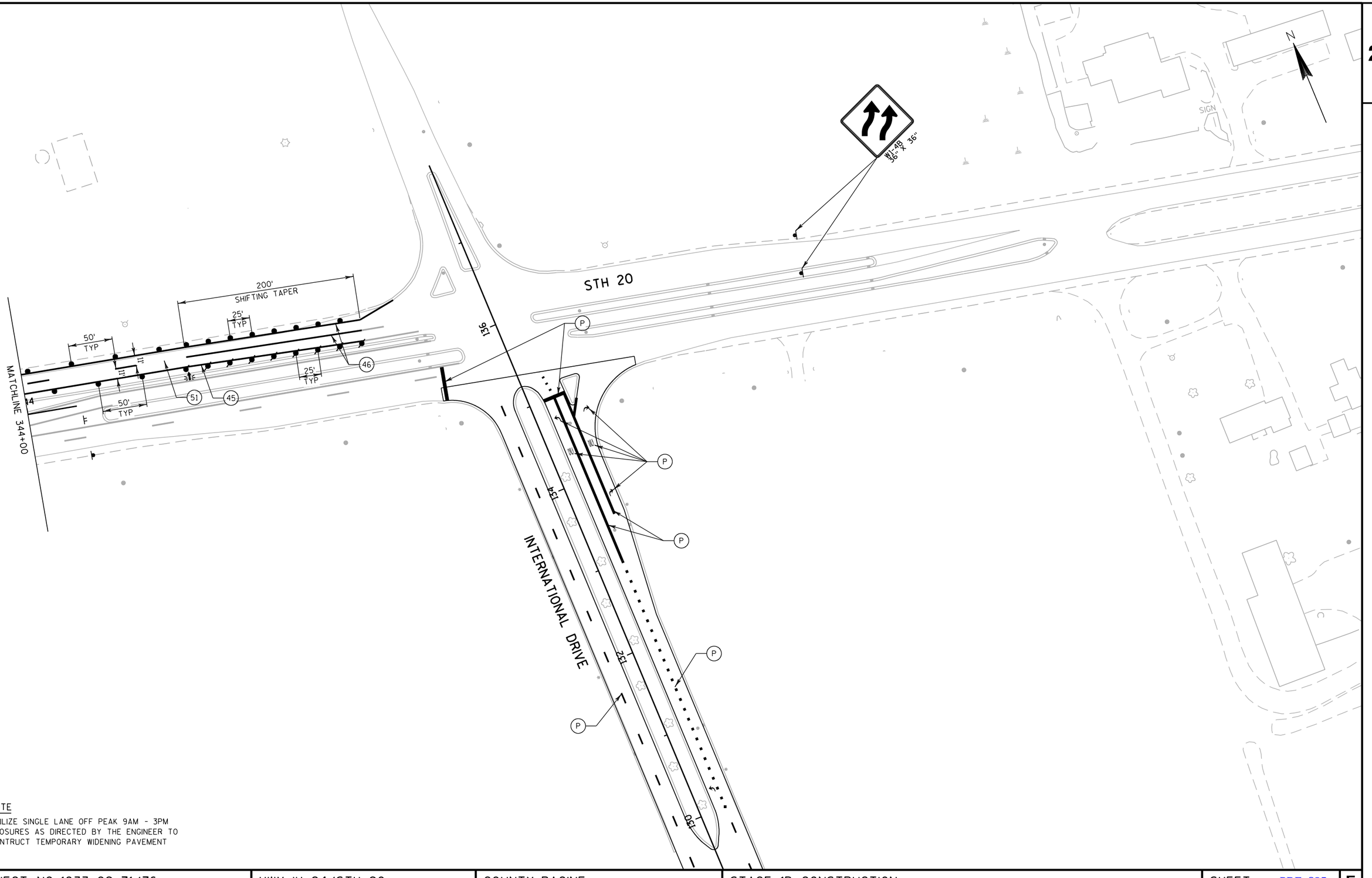


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_324	E

2

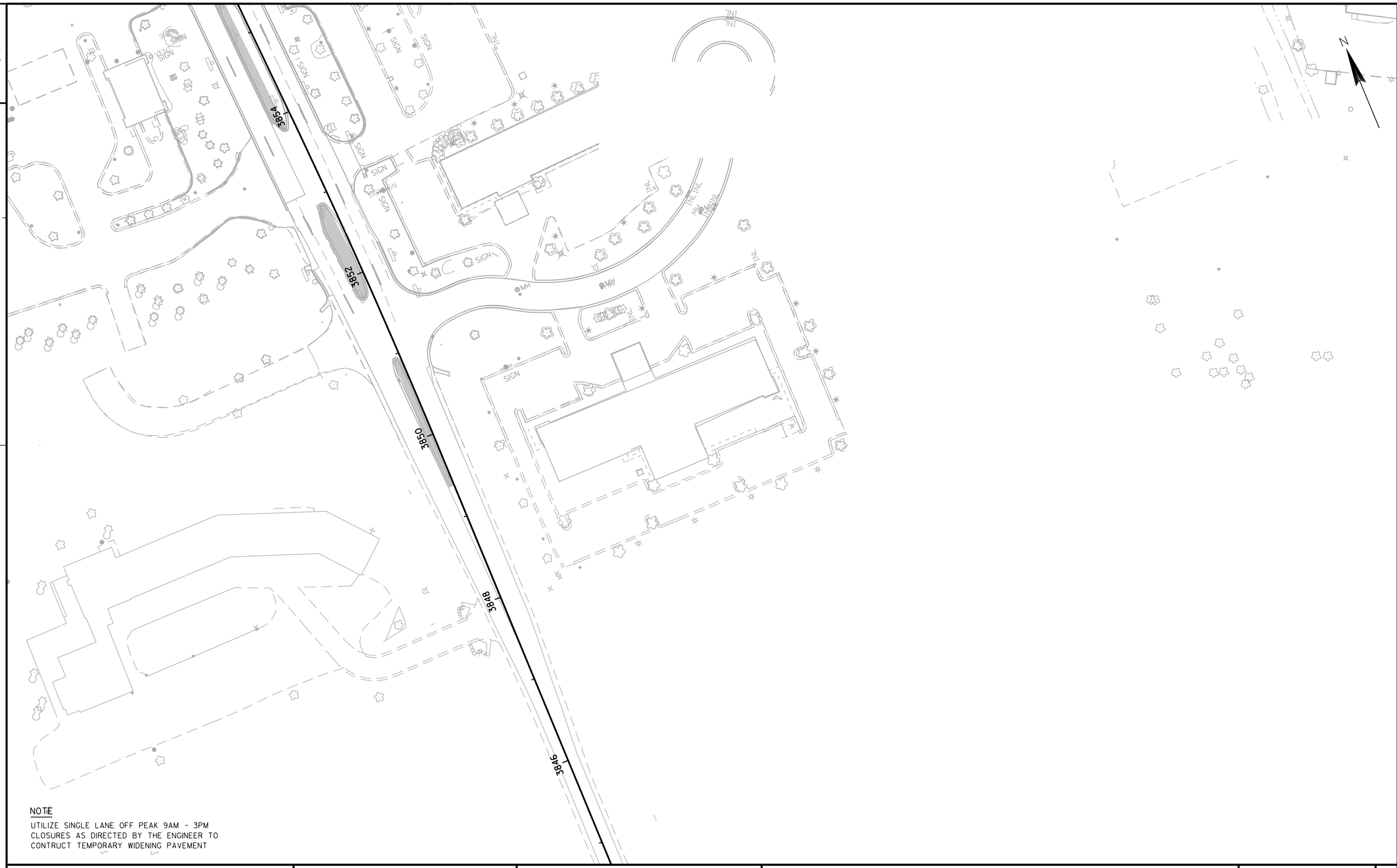


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_325	E

2



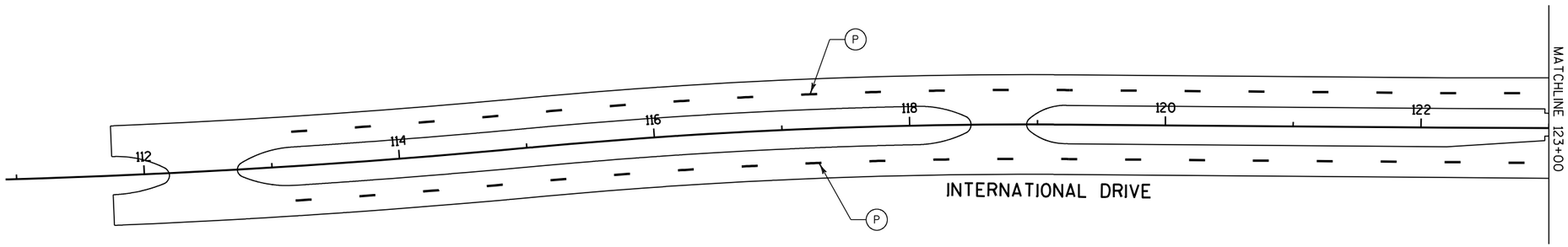
NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_326	E

2

N

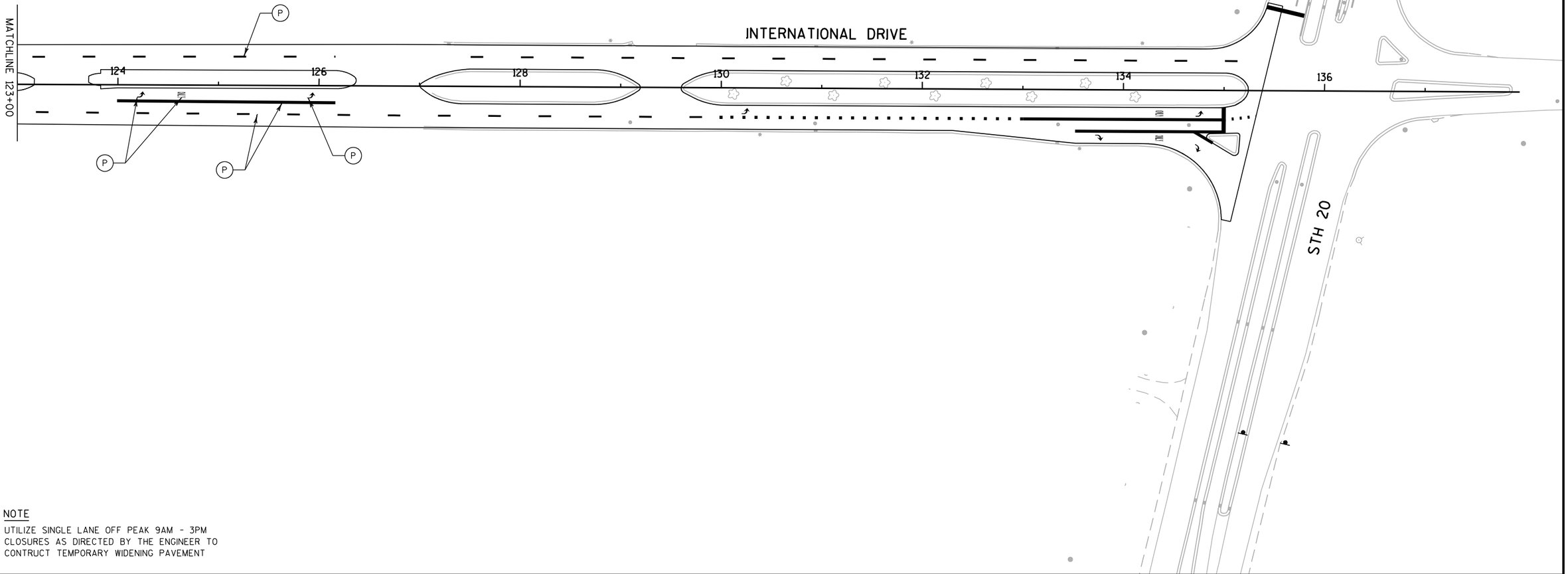


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_327	E

2



NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
CONTRUCT TEMPORARY WIDENING PAVEMENT

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 1B CONSTRUCTION	SHEET PRE_328	E

2

2

VILLAGE OF
MOUNT PLEASANT

TOWN OF
YORKVILLE

CTH C

IH 94

EAST FRONTAGE ROAD

RAMP NE

RAMP NW

KILBOURN DRIVE

B-51-129 (SB)

STH 20

B-51-130 (NB)

WEST FRONTAGE ROAD

RAMP SW

RAMP SE

GRANDVIEW PARKWAY

N

STAGE 2

CONSTRUCTION

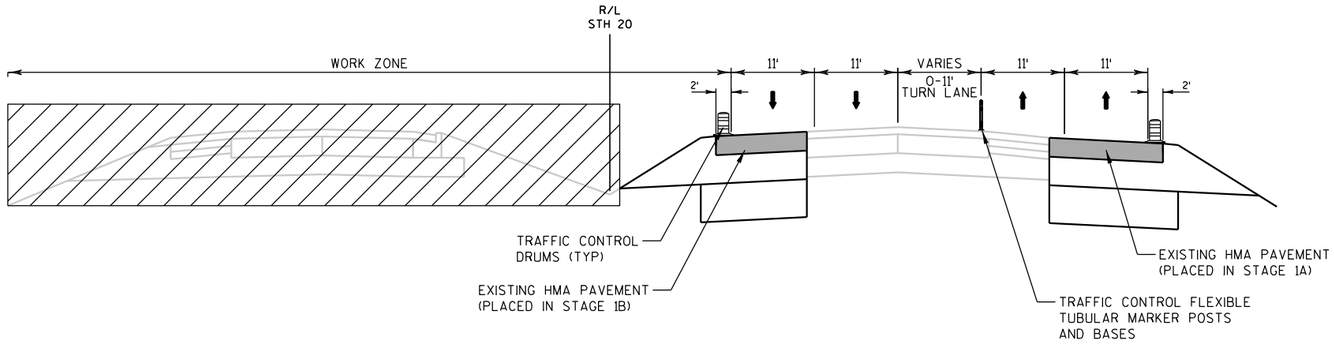
- CONSTRUCT STH 20 WB LANES AND TEMPORARY ASPHALT
- CONSTRUCT WEST FRONTAGE ROAD SB LANES AND NB RIGHT TURN LANES
- CONSTRUCT RAMP SW
- CONSTRUCT RAMP NW RIGHT TURN LANE AND OUTSIDE SHOULDERS
- CONSTRUCT RAMP SE RIGHT TURN LANE AND ALL CURB AND GUTTER
- CONSTRUCT RAMP NE
- CONSTRUCT EAST FRONTAGE ROAD NB LANES AND SB RIGHT TURN LANES
- CONSTRUCT TEMPORARY SIGNALS AT:
  - NORTH HALF OF RAMP SW/RAMP NW/STH 20 INTERSECTION
  - NORTH HALF OF RAMP SE/RAMP NE/STH 20 INTERSECTION
  - NORTH HALF OF WEST FRONTAGE ROAD/STH 20 INTERSECTION
  - NORTH HALF OF EAST FRONTAGE ROAD/STH 20 INTERSECTION
- CONSTRUCT NORTH HALF OF PERMANENT SIGNALS AT:
  - RAMP SE/RAMP NE/STH 20 INTERSECTION
  - RAMP SW/RAMP NW/STH 20 INTERSECTION
  - WEST FRONTAGE ROAD/STH 20 INTERSECTION
  - EAST FRONTAGE ROAD/STH 20 INTERSECTION
  - CTH H (RENAISSANCE BLVD.)/STH 20 INTERSECTION

TRAFFIC

- STH 20 EB - TWO LANES ON STH 20 EB EXISTING PAVEMENT AND OUTSIDE SHOULDER TEMPORARY ASPHALT
- STH 20 WB - TWO LANES ON STH 20 EB EXISTING PAVEMENT AND MEDIAN SHOULDER TEMPORARY ASPHALT
- RAMP SW - ALL LANES CLOSED
- RAMP NW - ONE LANE OPEN
- RAMP SE - ONE LANE OPEN
- RAMP NE - ALL LANES CLOSED
- WEST FRONTAGE ROAD - ONE LANE OPEN IN EACH DIRECTION
- EAST FRONTAGE ROAD - ONE LANE OPEN IN EACH DIRECTION
- INTERNATIONAL DRIVE - ALL LANES OPEN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: OVERVIEW - STAGE 2	SHEET PRE_329	E

2



STAGE 2 TYPICAL SECTION

STH 20
LOOKING NORTH

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: TYPICAL SECTIONS - STAGE 2	SHEET PRE_330	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026201_s2.dgn PLOT DATE : 18-AUG-2019 21:46 PLOT BY : MSCD1S PLOT NAME : 026201_s2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 42

2

GREENMONTE DRIVE

+50.36
109.10' LT

+61.03
113.95' LT

+71.68
118.83' LT

239

+70.07
8.33' RT

MATCHLINE 270+00

25' TYP

25' R

60' R

15' TYP

247

+41.86
17.01' RT

+07.93
0.42' LT

+67.15
17.86' RT

240

272

274

276

278

+00.00
16.50' RT

+49.09
13.50' LT

50' TYP

25' TYP

30' R

241

239

*OFFSET 6" FROM C/L PLACED IN STAGE 1B

+49.09
89.26' LT

+60.09
89.07' LT

+71.09
89.07' LT

+71.09
8.50' LT

25' R

+96.09
16.50' RT

280

+60.09
2.45' LT

247

15' TYP

STH 20

+08.76
60.05' LT

+96.32
58.68' LT

+86.16
62.88' LT

239

+62.26
5.02' LT

+26.78
16.50' RT

282

40' R

+72.43
0.83' LT

+91.44
18.04' LT

+14.55
16.50' RT

25' R

50' TYP

284

246

240

MATCHLINE 285+00

LEFT TURN LANE
R3-55L
24" X 30"

W1-4B
36" X 36"

SIGN

SIGN

W1-4B

30
M.P.H.
W13-1
18" X 18"

GOLF COURSE

SEWAGE TREATMENT PLANT

SPOKES CIRCLE

INL

INL

INL

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_331	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026212_s2.dgn PLOT DATE : 18-AUG-2019 21:46 PLOT BY : MSCD1S PLOT NAME : 026212_s2 PLOT SCALE : 100:1

2

2

MATCHLINE 4868+00

MATCHLINE 868NW+00

MATCHLINE 866NE+00

*DOUBLE

RAMP NE

RAMP NW

RAMP NE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

LEFT TURN LANE
R3-55L
24" X 30"

MATCHLINE 285+00

+79.51
16.50' RT

+34.06
16.50' RT

+97.76
16.50' RT

+84.35
42.19' RT

+61.11
38.50' RT

+68.20
16.50' RT

+79.51
16.50' RT

+28.78
16.50' RT

+13.21
4.43' RT

+66.72
71.50' RT

+29.66
49.50' RT

+22.54
49.50' RT

+94.62
71.50' RT

+62.54
38.50' RT

+09.87
49.50' RT

+09.91
71.50' RT

+02.42
19.42' LT

STH 20

*OFFSET 6" FROM C/L PLACED IN STAGE 1B

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

WEST FRONTAGE ROAD

SPOKES CIRCLE

RAMP SW

IH 94 SB

IH 94 NB

RAMP SE

MATCHLINE 2861+00

MATCHLINE 859SW+00

MATCHLINE 857SE+00

MATCHLINE 300+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_332	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026213_s2.dgn PLOT DATE : 18-AUG-2019 21:46 PLOT BY : MSCD1S PLOT NAME : 026213_s2 PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

MATCHLINE 5863+00

EAST FRONTAGE ROAD

SIGN

SIGN

15' TYP

15' TYP

15' TYP

15' TYP

5862

5860

5858

240

239

241

242

243

245

*DOUBLE

+00.00
19.00' LT

+00.00
7.00' LT

+42.80
7.00' LT

+42.90
31.00' LT

+60.38
16.50' RT

+00.65
38.50' RT

+00.65
49.50' RT

+40.65
38.50' RT

+00.00
16.50' RT

W01-6
48" X 24"

TYPE III BARRICADE

W1-4R
30" X 30"

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

302

304

306

308

310

312

314

50' TYP

50'

50'

25' TYP

25'

25'

25' TYP

50' TYP

50'

50'

MATCHLINE 300+00

MATCHLINE 315+00

STH 20

*OFFSET 6" FROM C/L PLACED IN STAGE 1B

+00.00
27.50' RT

+00.00
38.50' RT

383'
SHIFTING TAPER

GALAXY DRIVE

SIGN

SIGN

SCALE

75' R

15' TYP

15' TYP

15' TYP

15' TYP

15' TYP

5861

5859

+52.83
50.00' LT

+39.69
37.91' LT

537' R

405' R

525' R

50' TYP

50' TYP

+74.98
25.61' LT

+75.14
13.61' LT

+72.17
26.95' LT

+72.34
14.95' LT

+92.32
38.37' LT

+08.66
49.50' RT

+66.53
71.50' RT

R11-2L
48" X 30"

LANE CLOSED

TYPE III BARRICADE

LEFT TURN LANE

R3-55L
24" X 30"

W24-1AL
30" X 30"

SIGN

SIGN

SIG

SHIFTING TAPER 440'

MATCHLINE 3854+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_333	E

2

RED CLOUD DRIVE

STOP
R1-1
36" X 36"

RC+69.44
12.00' LT
RC+69.44
24.00' LT
RC+69.44
36.00' LT
RC+46.54
36.00' LT
RC+23.07
24.00' LT
RC+23.07
12.00' LT

MATCHLINE 315+00

MATCHLINE 330+00

STH 20

316 318 320 322 324 326 328

25' TYP
50' TYP
15' TYP
383' SHIFTING TAPER

+06.12
24.76' RT

+09.38
68.75' RT

+32.87
24.73' RT

+09.64
68.73' RT

+00.00
24.79' RT
+00.00
35.79' RT
+00.00
46.79' RT

240 241 239

*OFFSET 6" FROM C/L PLACED IN STAGE 1B

RC+21.03
42.13' LT
RC+85.46
53.00' LT
RC+85.50
42.00' LT
RC+85.54
31.00' LT
RC+10.01
31.09' LT

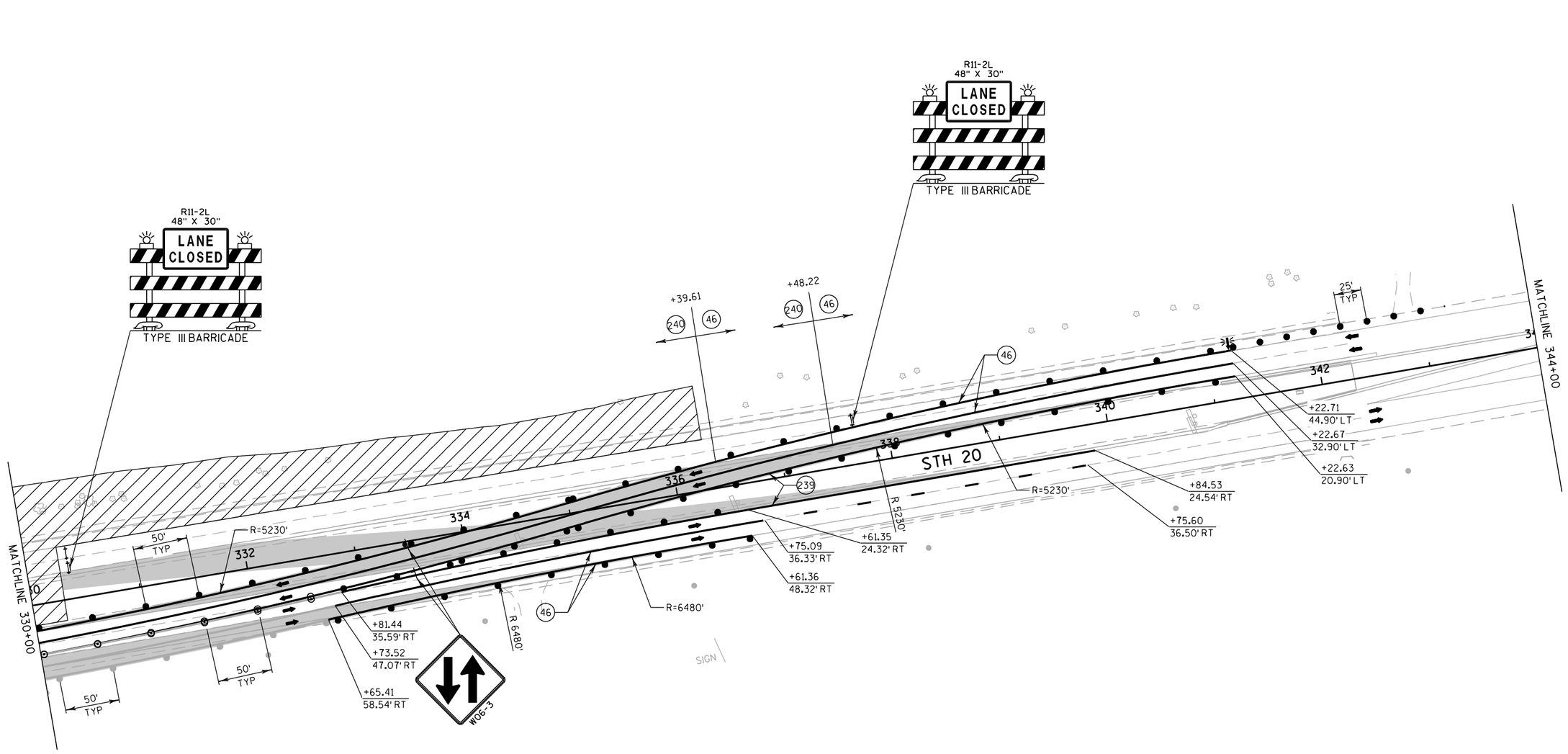
STOP
R1-1
36" X 36"

W1-4R
36" X 36"

N

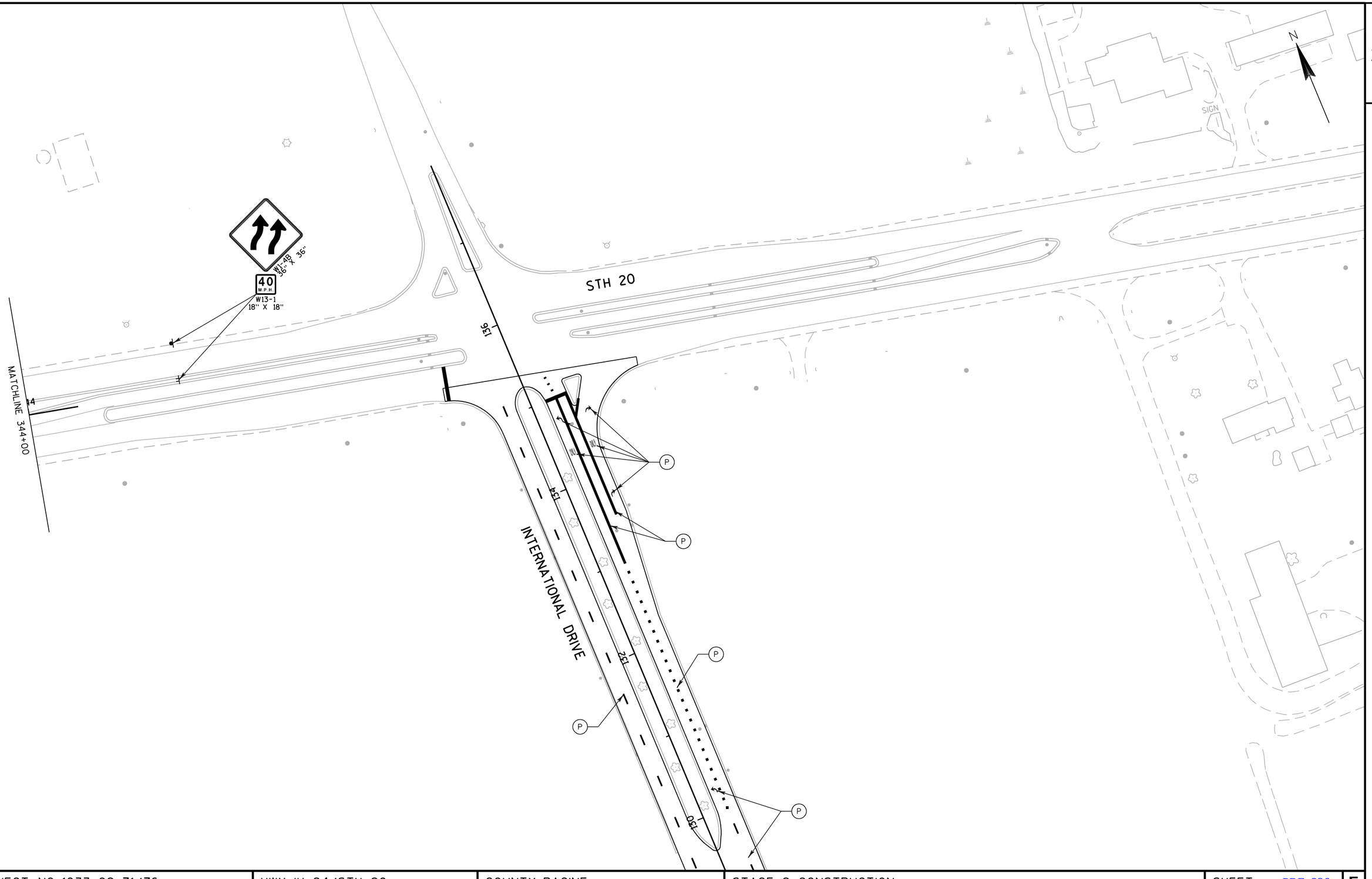
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_334	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_335	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_336	E

2

MATCHLINE 2861+00

STOP
R1-1
36" X 36"

15' TYP

50' TYP

12'

2

W1-4B
36" X 36"

240

239

45

46

+00.00

2856

2852

WEST FRONTAGE ROAD

SHIFTING TAPER 560'

25' TYP

15' TYP

SIGN

MATCHLINE 859SW+00

858SW

RAMP SW

855SW

IH 94 SB

856

854

IH 94 NB

RAMP SE

MATCHLINE 857SE+00

SE+89.55

SE+89.78

SE+87.57

SE+12.57

SE+52.89

100'

SHIFTING TAPER 337'

852SE

852SW

850

850SW

850SE

848SE

FILLER CAP

N

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_337	E

2

2

W1-4B
36" x 36"

4876

4874

+06.64

+58.19

15'
TYP

50'

45

46

4872

+96.27

25'
TYP

WEST FRONTAGE ROAD

+95.08

4870

25'
TYP

+56.45

239

*DOUBLE

50'
TYP

+55.52

45

+55.52

239

240

46

+55.52

240

R11-2L
48" X 30"
LANE
CLOSED

TYPE III BARRICADE

18'

ROAD

MATCHLINE 4868+00

876NW

876

874NW

NW+32.92

15'

872NW

RAMP NW

814

812

IH 94 NB

IH 94 SB

NW+26.27

SHIFTING TAPER

870

275'

870NW

46

45

NW+51.27

12'

46

240

NW+51.27

45

239

NW+51.27

MW1

240

898

MATCHLINE 868NW+00

12'

5876

5874

EAST FRONTAGE ROAD

872NE

RAMP NE

870NE

874NE

876NE

868NE

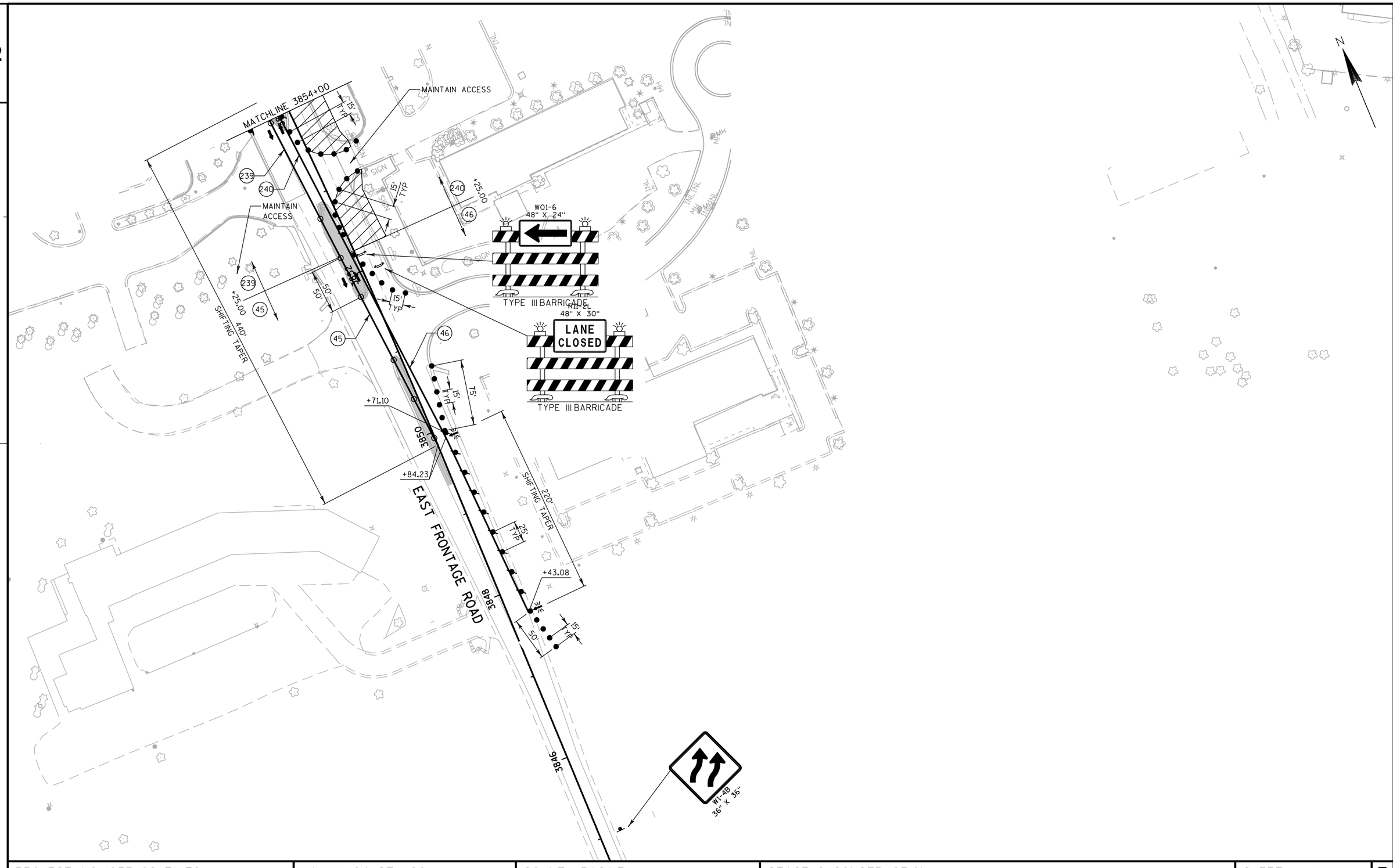
NE

MATCHLINE 866NE+00

N

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_338	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_339	E

2

N

5870

5868

5866

5864

+58.47

+50.72

15' TYP

50'

+98.87

50' TYP

R 678'

+00.23

+42.60

+42.29

15' TYP

LEFT LANE
MUST
TURN LEFT

R3-7L
30" X 30"

EAST FRONTAGE ROAD

R11-2L
48" X 30"

LANE
CLOSED

TYPE III BARRICADE

W01-6
48" X 24"

TYPE III BARRICADE

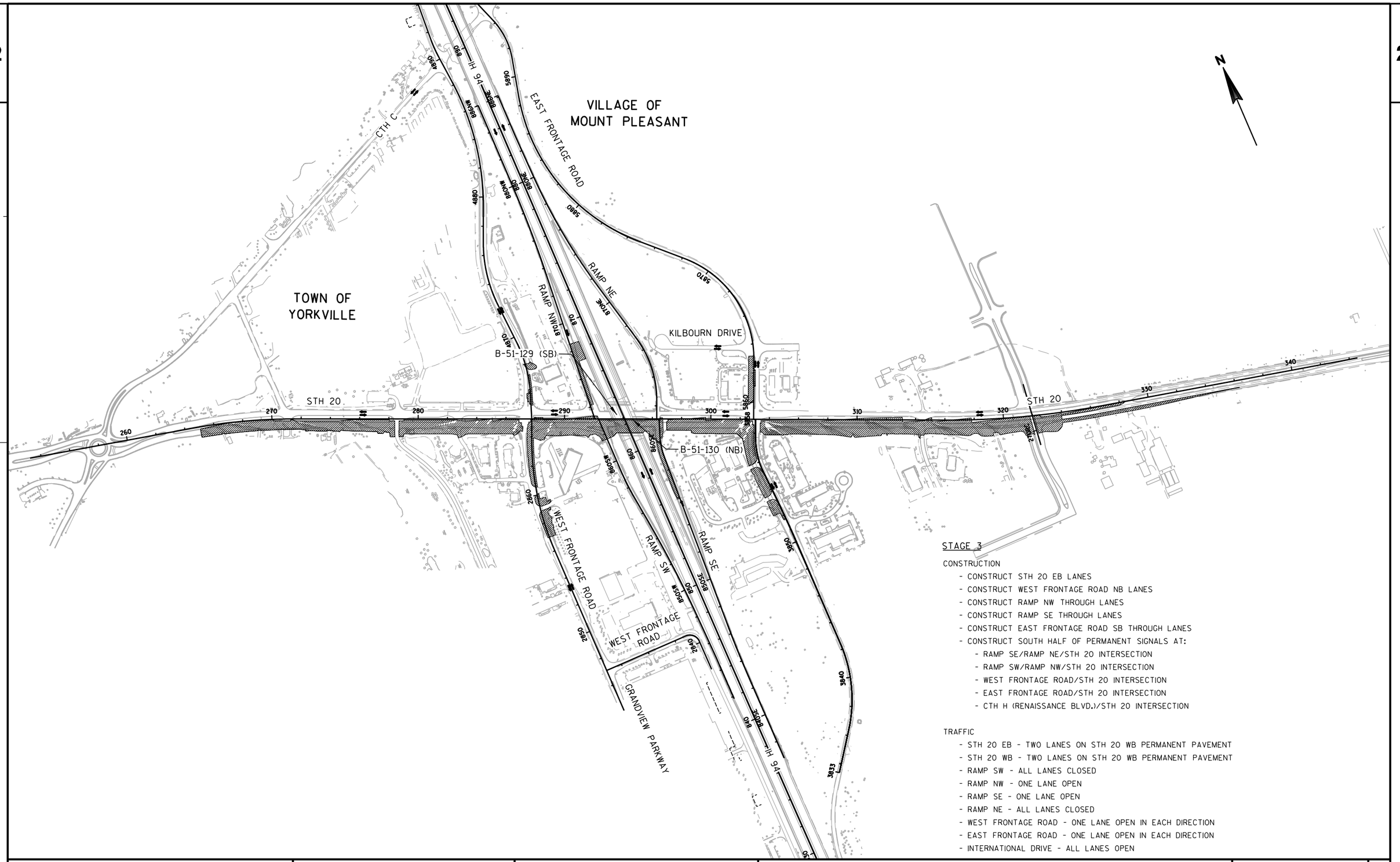
KILBOURN DRIVE

SIGN

MATCHLINE 5863+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 2 CONSTRUCTION	SHEET PRE_340	E

2



STAGE 3

CONSTRUCTION

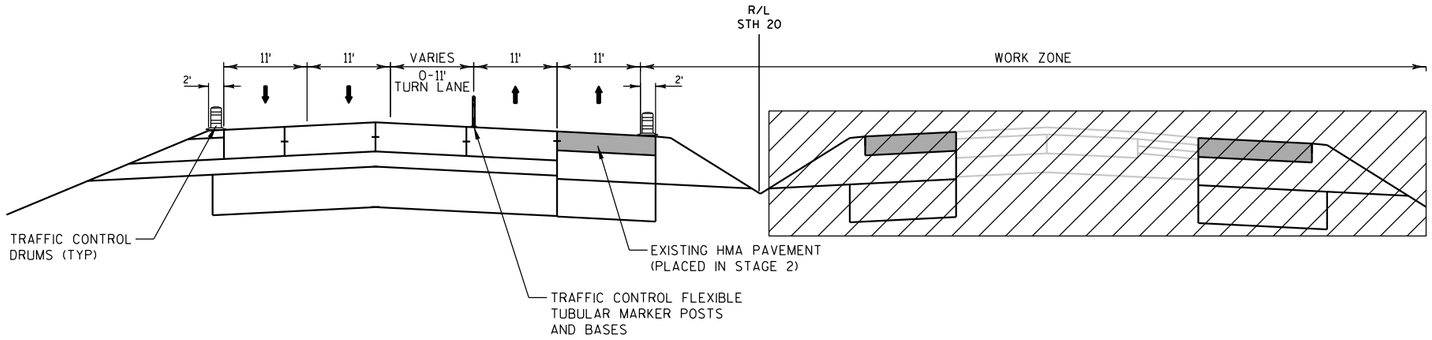
- CONSTRUCT STH 20 EB LANES
- CONSTRUCT WEST FRONTAGE ROAD NB LANES
- CONSTRUCT RAMP NW THROUGH LANES
- CONSTRUCT RAMP SE THROUGH LANES
- CONSTRUCT EAST FRONTAGE ROAD SB THROUGH LANES
- CONSTRUCT SOUTH HALF OF PERMANENT SIGNALS AT:
  - RAMP SE/RAMP NE/STH 20 INTERSECTION
  - RAMP SW/RAMP NW/STH 20 INTERSECTION
  - WEST FRONTAGE ROAD/STH 20 INTERSECTION
  - EAST FRONTAGE ROAD/STH 20 INTERSECTION
  - CTH H (RENAISSANCE BLVD.)/STH 20 INTERSECTION

TRAFFIC

- STH 20 EB - TWO LANES ON STH 20 WB PERMANENT PAVEMENT
- STH 20 WB - TWO LANES ON STH 20 WB PERMANENT PAVEMENT
- RAMP SW - ALL LANES CLOSED
- RAMP NW - ONE LANE OPEN
- RAMP SE - ONE LANE OPEN
- RAMP NE - ALL LANES CLOSED
- WEST FRONTAGE ROAD - ONE LANE OPEN IN EACH DIRECTION
- EAST FRONTAGE ROAD - ONE LANE OPEN IN EACH DIRECTION
- INTERNATIONAL DRIVE - ALL LANES OPEN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: OVERVIEW - STAGE 3	SHEET PRE_341	E

2



STAGE 3 TYPICAL SECTION

STH 20
LOOKING NORTH

2

CTH C/SPRING STREET

STH 20

MATCHLINE 270+00

+05.23
+32.05
+38.17
+41.36
+40.58
+58.20
+63.19
+02.31
+38.23

256
258
260
262
264
266

50' TYP
25' TYP
12'
R 2750'
R 3130'

W1-4B
36" X 36"

15 M.P.H.
W13-1
18" X 18"

W01-6
48" X 24"
TYPE III BARRICADE

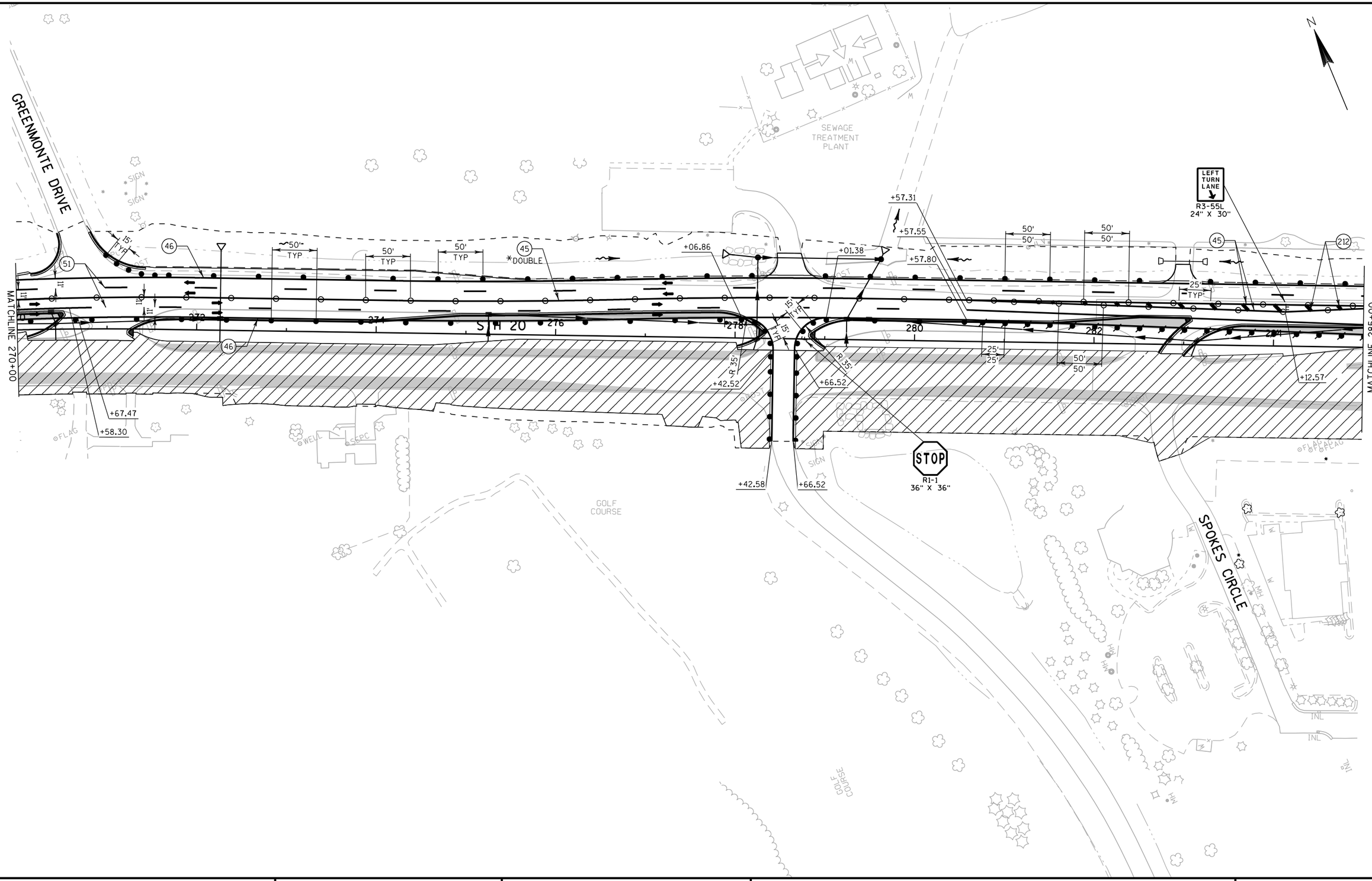
R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

SEPC
SEPV
WELL
POST
SIGN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_343	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026311_s3.dgn PLOT DATE : 18-AUG-2019 21:47 PLOT BY : MSCD1S PLOT NAME : 026311_s3 PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_344	E

2

MATCHLINE 868NW+00

MATCHLINE 866NE+00

MATCHLINE 4868+00

MATCHLINE 285+00

MATCHLINE 300+00

RAMP NW

RAMP NE

RAMP SW

RAMP SE

IH 94 SB

IH 94 NB

STH 20

WEST FRONTAGE ROAD

SPOKES CIRCLE

360'
SHIFTING TAPER

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

LEFT TURN LANE
R3-55L
24" X 30"

R11-2R
48" X 30"
RAMP CLOSED
TYPE III BARRICADE

LEFT TURN LANE
R3-55L
24" X 30"

*DOUBLE

MATCHLINE 2861+00

MATCHLINE 859SW+00

MATCHLINE 857SE+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_345	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026313_s3.dgn PLOT DATE : 18-AUG-2019 21:47 PLOT BY : MSCD1S PLOT NAME : 026313_s3 PLOT SCALE : 100:1

2

MATCHLINE 5863+00

EAST FRONTAGE ROAD

5862

5860

5859

5858

5857

5856

5855

5854

MATCHLINE 3854+00

MATCHLINE 300+00

MATCHLINE 315+00

STH 20

LEFT TURN LANE
R3-55L
24" X 30"

RIGHT TURN LANE
R3-55R
24" X 30"

W1-4B
36" X 36"

W24-1AE
30" X 30"

W1-4B
36" X 36"

*DOUBLE

50' TYP

25' TYP

15' TYP

R-75'

220' SHIFTING TAPER

495' SHIFTING TAPER

200' SHIFTING TAPER

+00.00
+03.06
+07.32
+09.87
+10.76
+15.00
+17.50
+17.61
+17.72
+19.35
+22.43
+22.53
+23.01
+23.14
+24.43
+29.74
+29.74
+32.32
+35.93
+47.51
+48.26
+52.81
+54.17
+58.02
+62.64
+74.58
+75.23
+80.99

302
304
306
308
310
312
314

GALAXY DRIVE

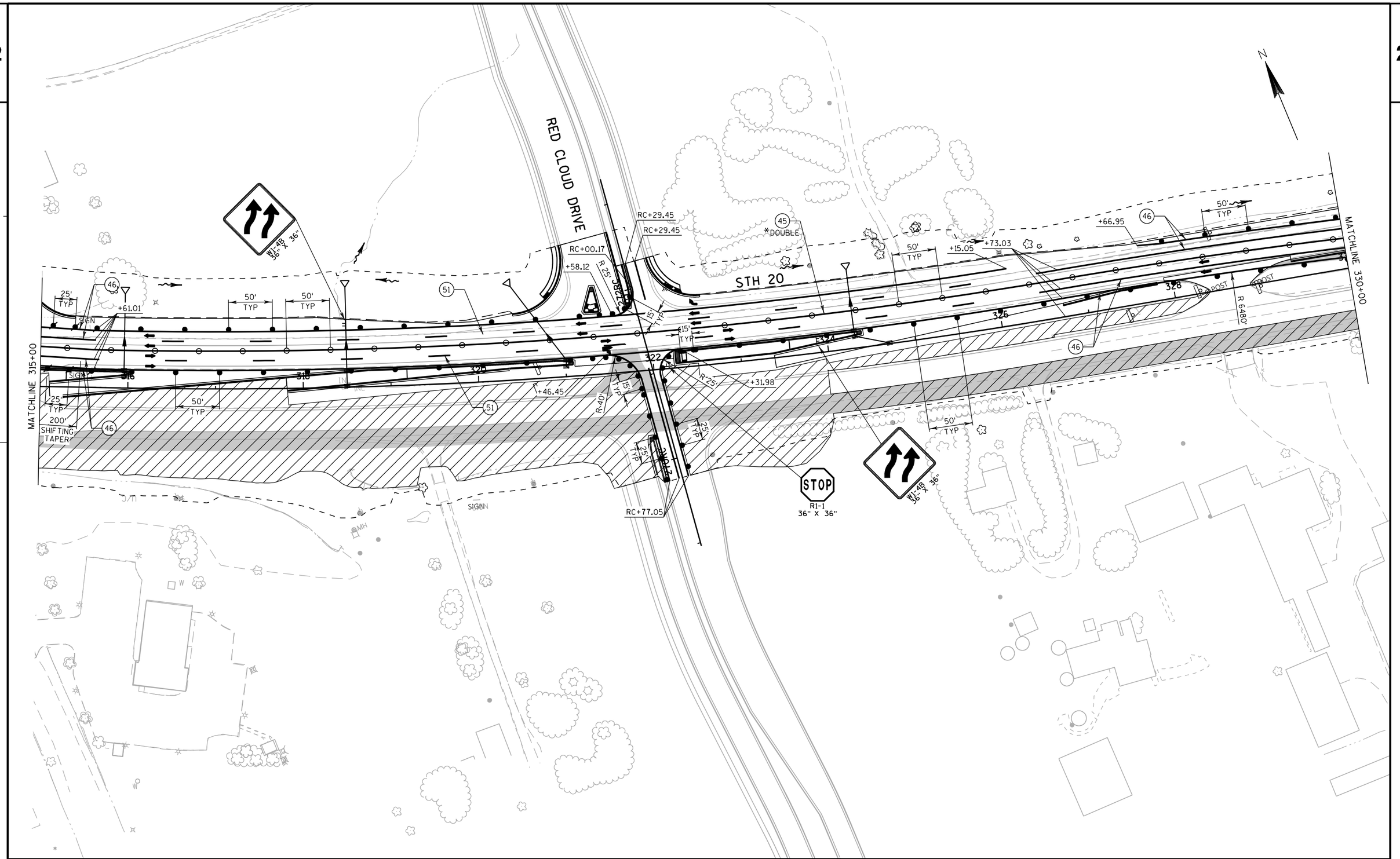
CANOPY
FILLER CAPS
RIPRAP
FLAGS
SIGN
INL
MH
VACUUM
PHONE
SCALE

N

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_346	E

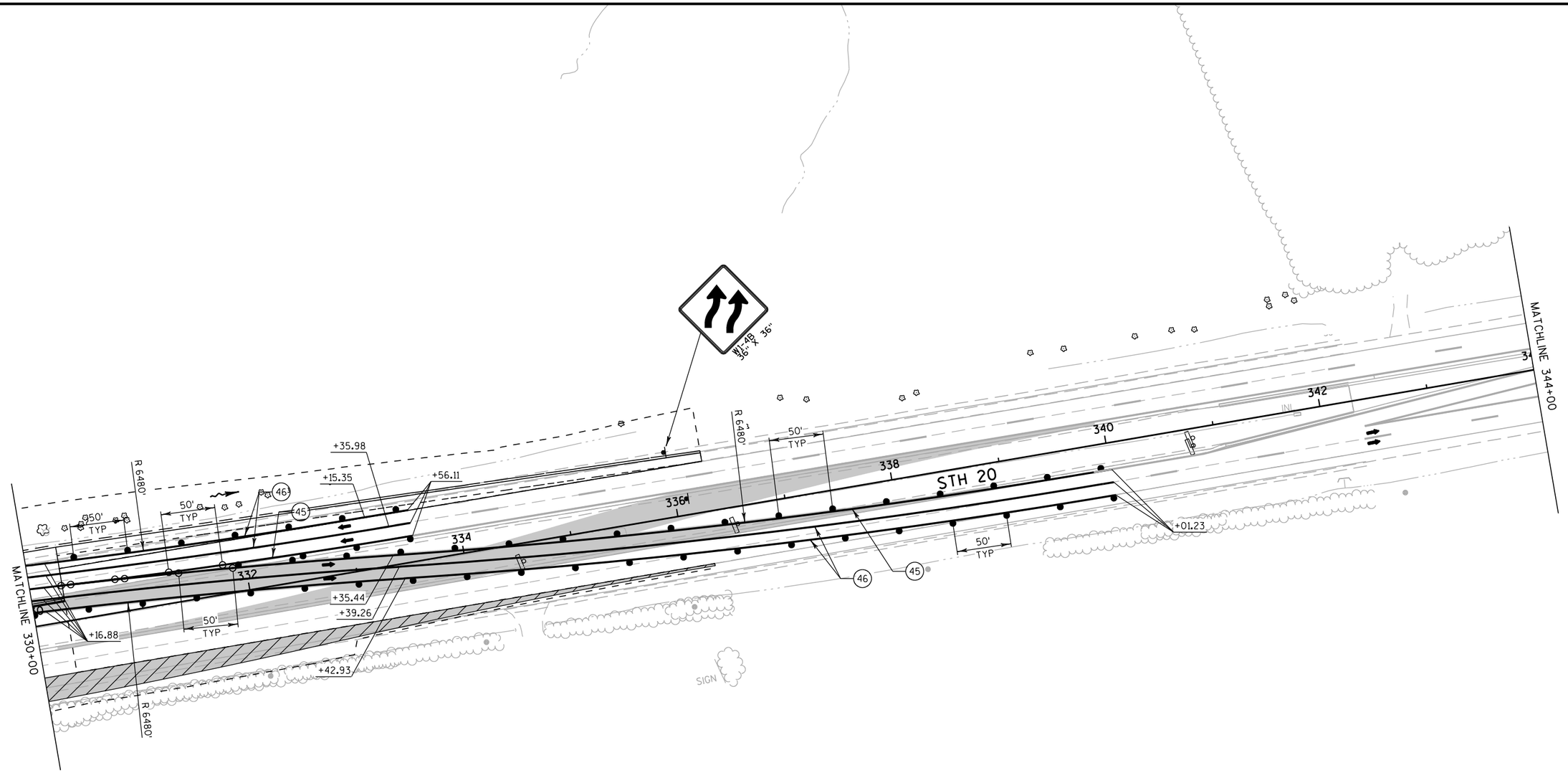
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026314_s3.dgn PLOT DATE : 18-AUG-2019 21:47 PLOT BY : MSCD1S PLOT NAME : 026314_s3 PLOT SCALE : 100:1

2



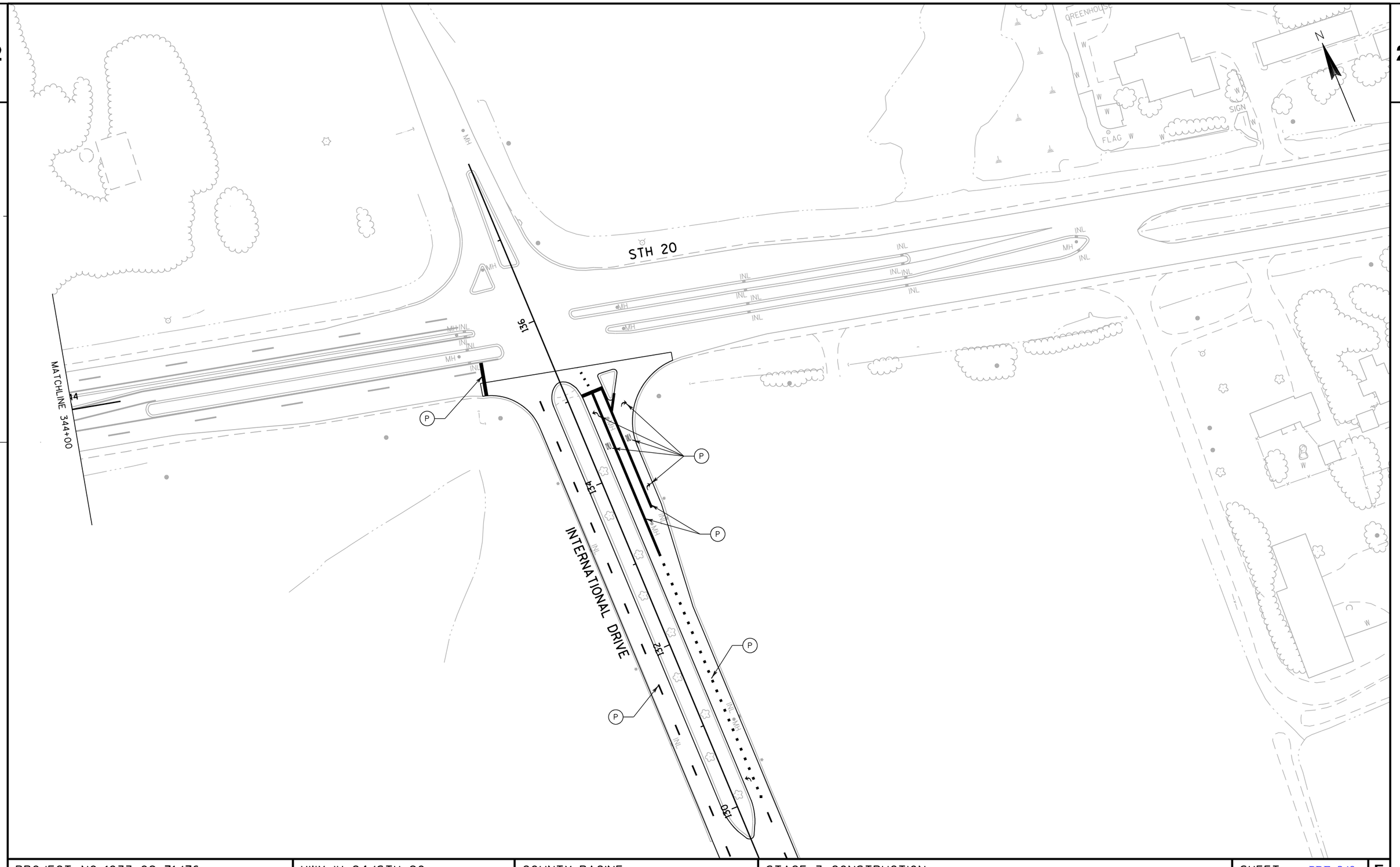
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_347	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_348	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_349	E

2

MATCHLINE 2861+00

MATCHLINE 859SW+00

MATCHLINE 857SE+00

WEST FRONTAGE ROAD

RAMP SW

IH 94 SB

IH 94 NB

RAMP SE

SHIFTING TAPER

R 1900'

R 172'

R 4088'

+78.42

+77.56

+74.84

+83.57

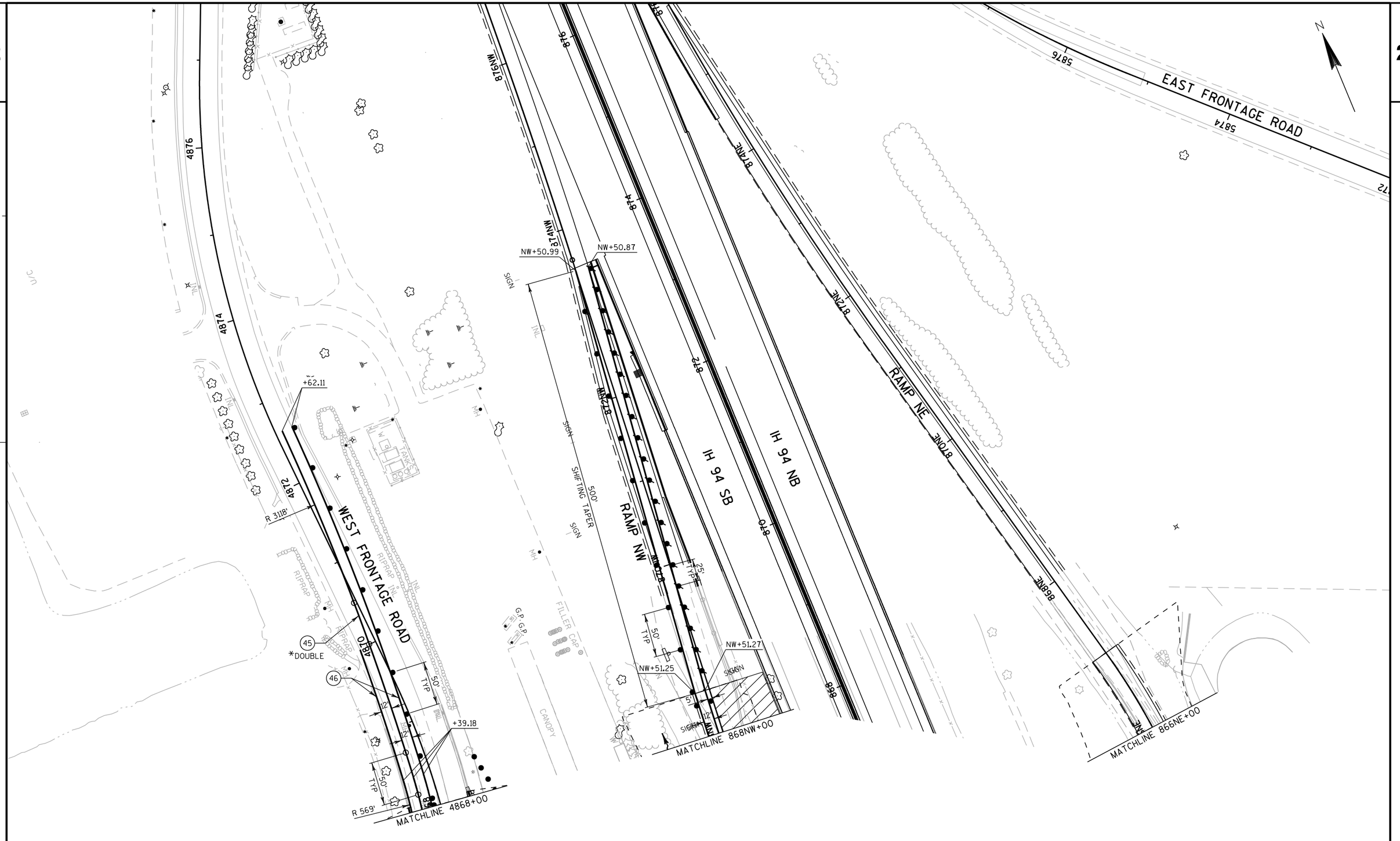
SE+89.59

SE+14.96

*DOUBLE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_350	E

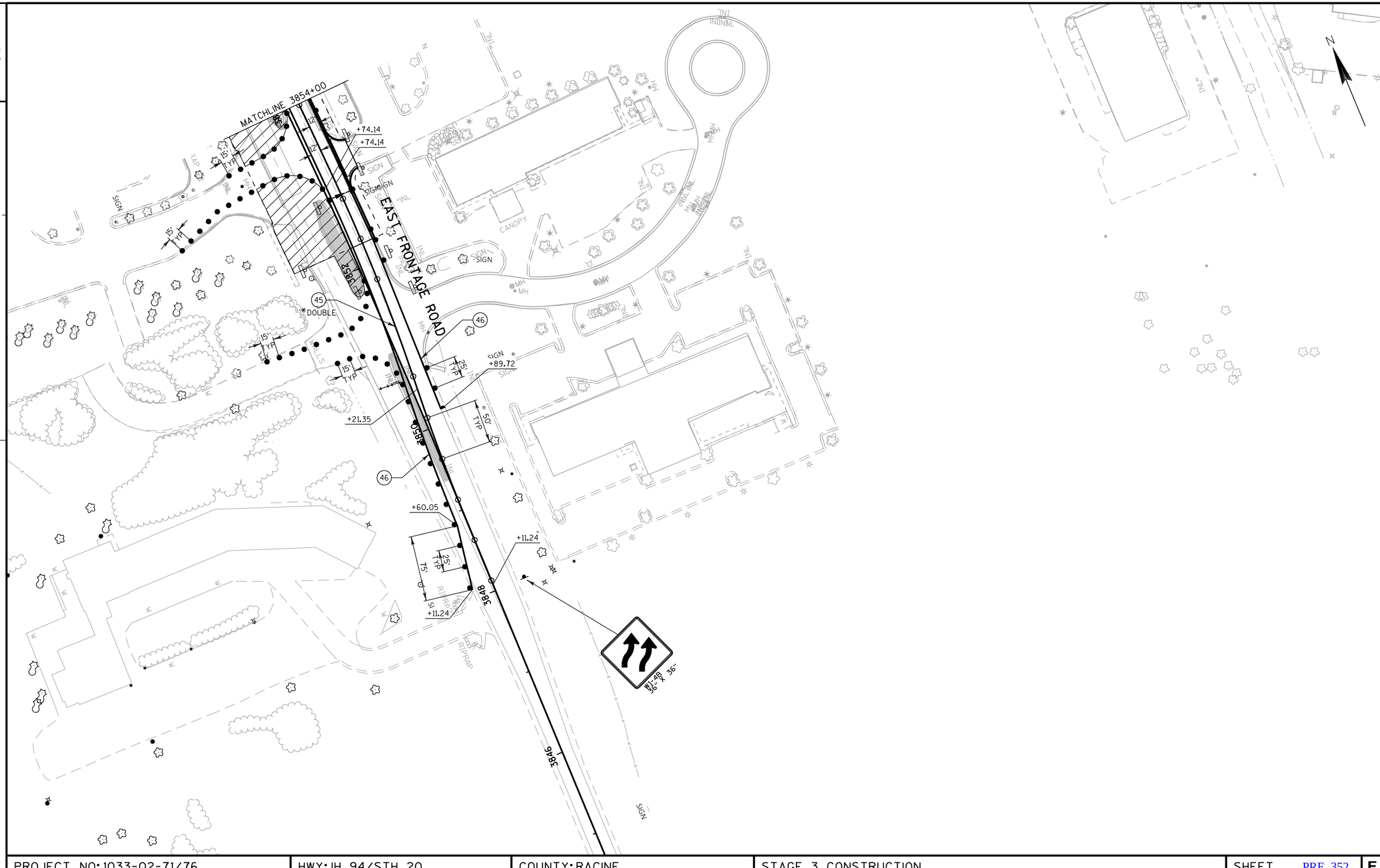
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_351	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026319_s3.dgn PLOT DATE : 18-AUG-2019 21:47 PLOT BY : MSCD1S PLOT NAME : 026319_s3 PLOT SCALE : 100:1

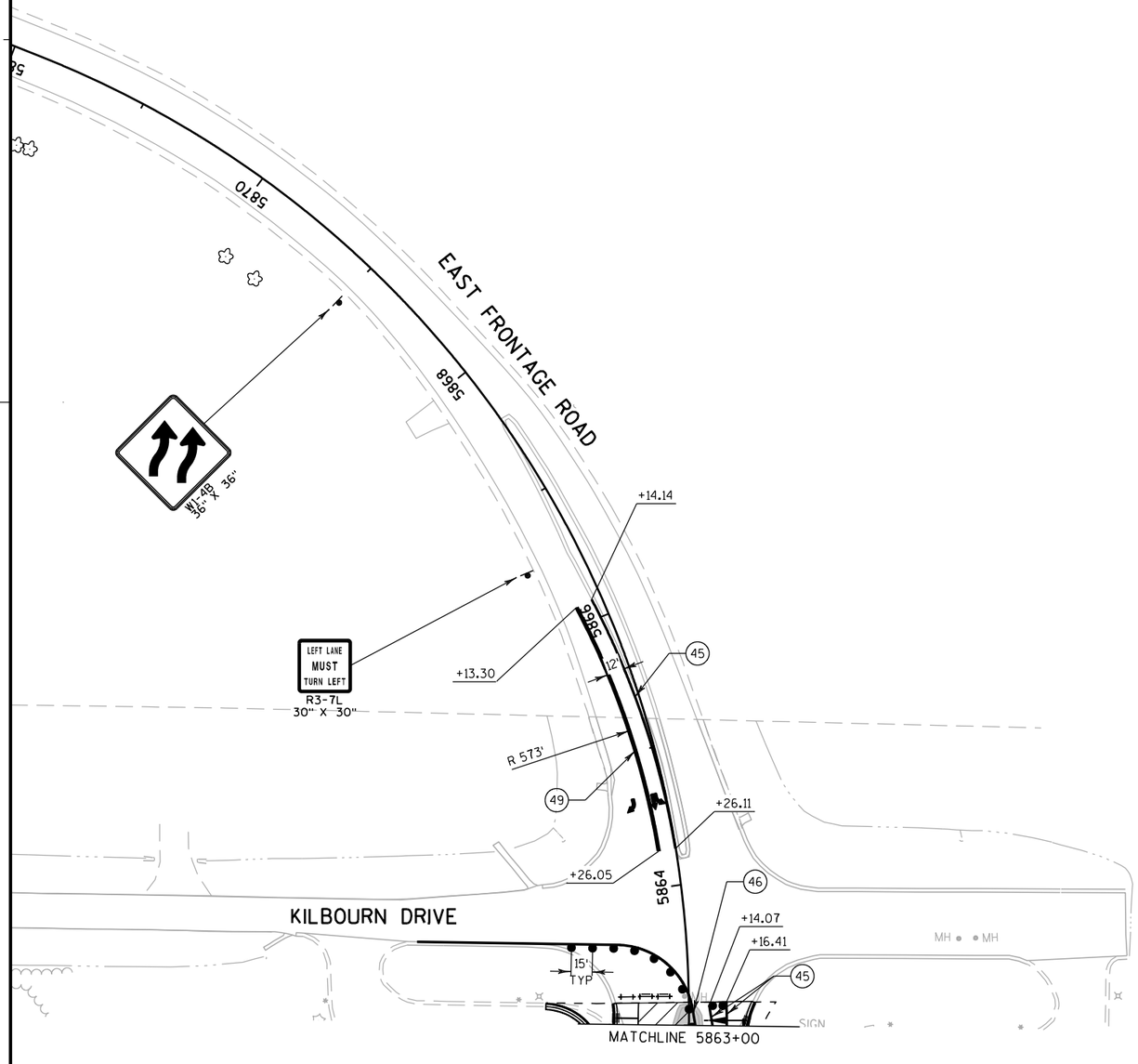
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_352	E

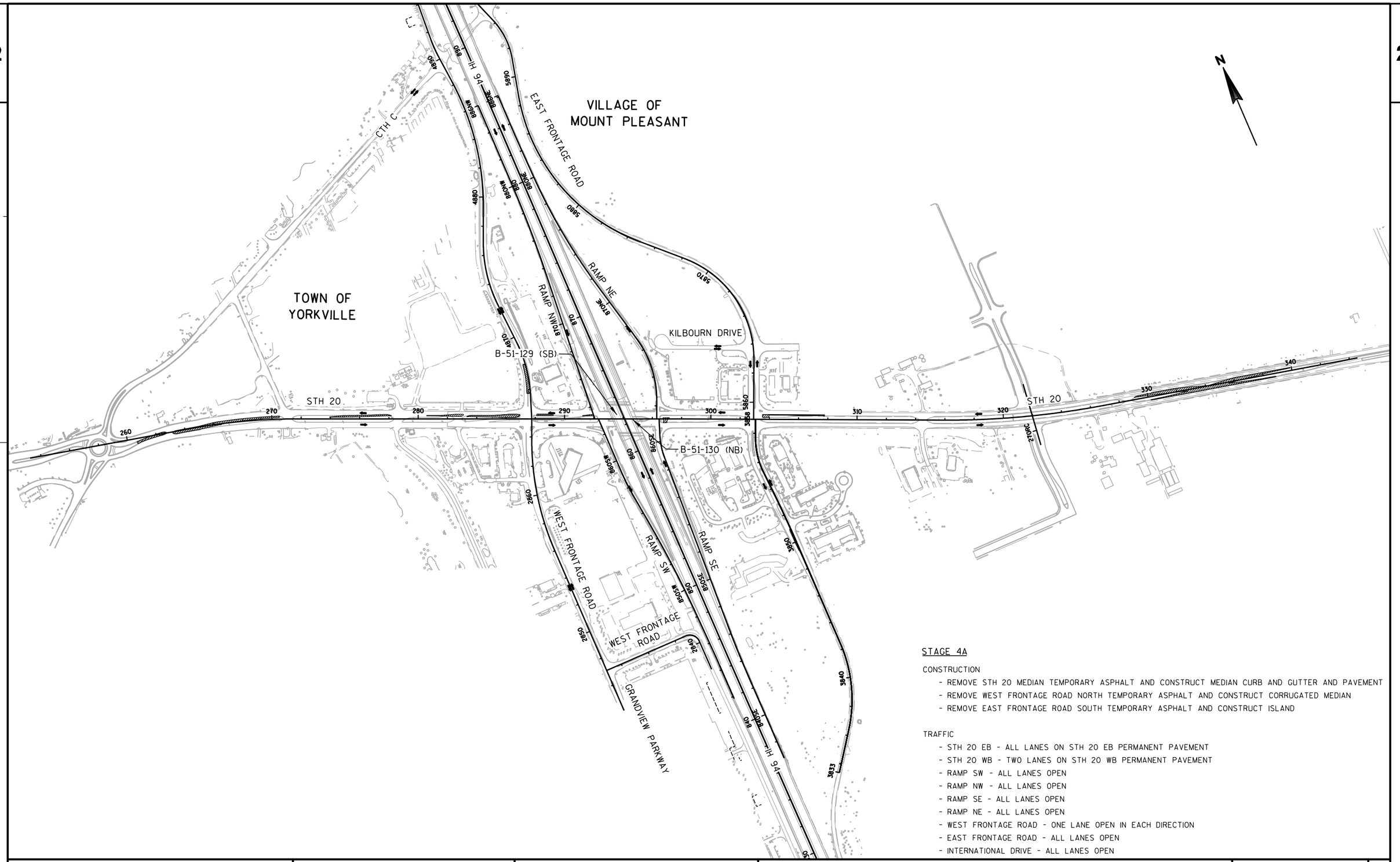
2

N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 3 CONSTRUCTION	SHEET PRE_353	E

2



STAGE 4A

CONSTRUCTION

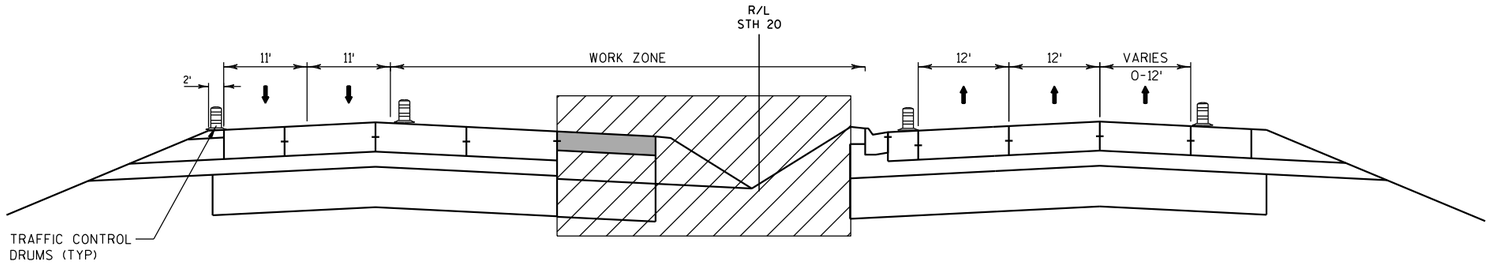
- REMOVE STH 20 MEDIAN TEMPORARY ASPHALT AND CONSTRUCT MEDIAN CURB AND GUTTER AND PAVEMENT
- REMOVE WEST FRONTAGE ROAD NORTH TEMPORARY ASPHALT AND CONSTRUCT CORRUGATED MEDIAN
- REMOVE EAST FRONTAGE ROAD SOUTH TEMPORARY ASPHALT AND CONSTRUCT ISLAND

TRAFFIC

- STH 20 EB - ALL LANES ON STH 20 EB PERMANENT PAVEMENT
- STH 20 WB - TWO LANES ON STH 20 WB PERMANENT PAVEMENT
- RAMP SW - ALL LANES OPEN
- RAMP NW - ALL LANES OPEN
- RAMP SE - ALL LANES OPEN
- RAMP NE - ALL LANES OPEN
- WEST FRONTAGE ROAD - ONE LANE OPEN IN EACH DIRECTION
- EAST FRONTAGE ROAD - ALL LANES OPEN
- INTERNATIONAL DRIVE - ALL LANES OPEN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: OVERVIEW - STAGE 4A	SHEET PRE_354	E

2



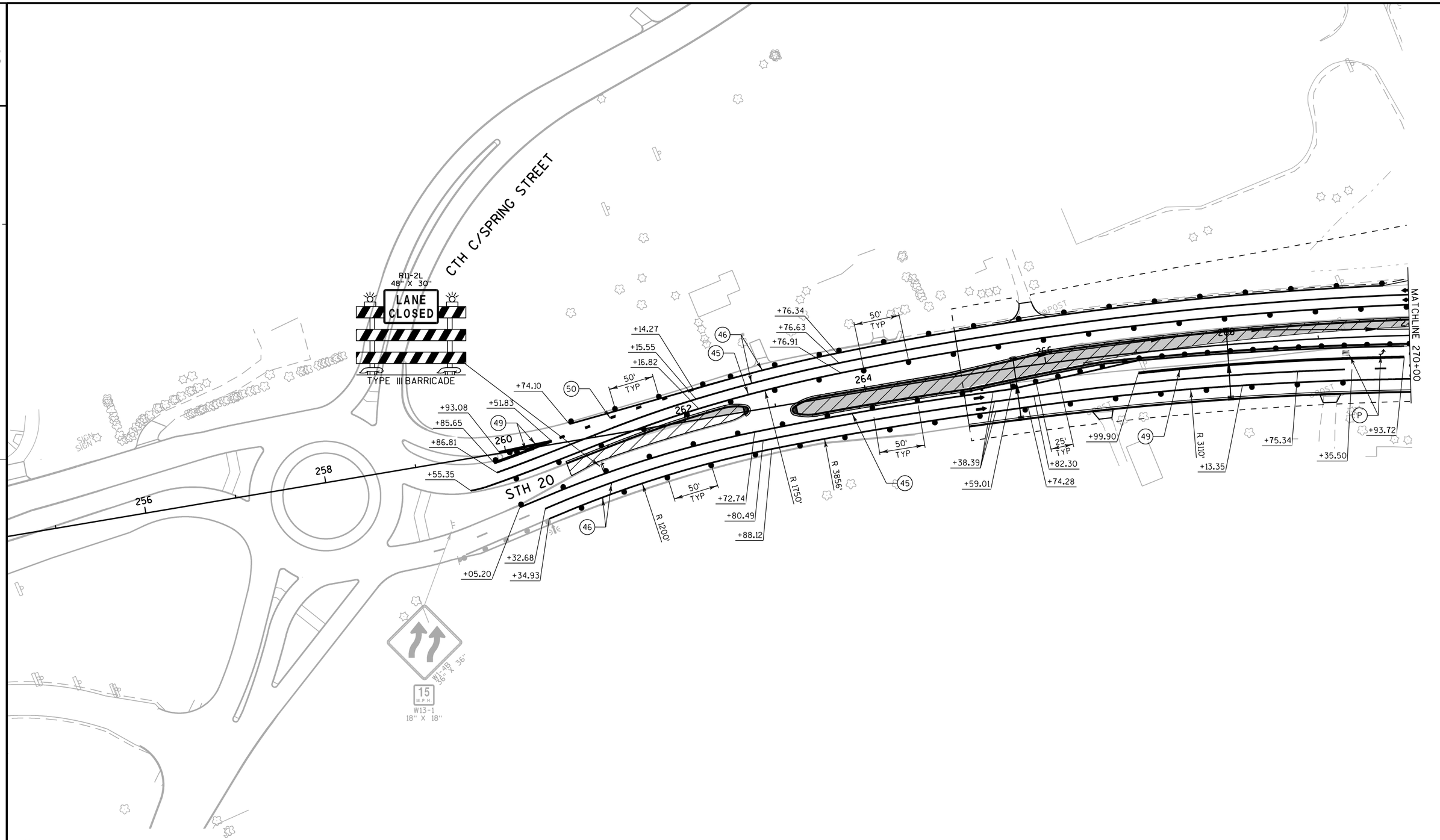
STAGE 4A TYPICAL SECTION

STH 20
LOOKING NORTH

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: TYPICAL SECTIONS - STAGE 4A	SHEET PRE_355	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026401_s4a.dgn PLOT DATE : 18-AUG-2019 21:47 PLOT BY : MSCD1S PLOT NAME : 026401_s4a PLOT SCALE : 20:1

2



NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO RESTORE CROSSOVER AREAS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_356	E

2

GREENMONTE DRIVE

W1-4B 36" X 36"

RIGHT TURN LANE
R3-55R 24" X 30"

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEFT TURN LANE
R3-55L 24" X 30"

R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2L 48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEFT TURN LANE
R3-55L 24" X 30"

STH 20

MATCHLINE 270+00

MATCHLINE 285+00

+33.52 +43.29 +43.35 +82.31 +84.31 +03.56 +47.63 +79.93 +77.15 +25.95 +29.38 +30.26 +67.32 +05.26

25' TYP 50' TYP 15' TYP

270 272 274 276 278 280 282 284

49 46 51 45

P

GOLF COURSE

SPOKES CIRCLE

SIGN FLAG HW INL

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_357	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026412_s4a.dgn PLOT DATE : 18-AUG-2019 21:48 PLOT BY : MSCD1S PLOT NAME : 026412_s4a PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

MATCHLINE 4868+00

MATCHLINE 868NW+00

MATCHLINE 866NE+00

MATCHLINE 285+00

MATCHLINE 300+00

RAMP NW

RAMP NE

RAMP SW

RAMP SE

STH 20

IH 94 SB

IH 94 NB

WEST FRONTAGE ROAD

SPOKES CIRCLE

NW+02.88

200' SHIFTING TAPER

LEFT TURN LANE
R3-55L
24" X 30"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

RIGHT TURN LANE
R3-55R
24" X 30"

W24-1AL
30" X 30"

MATCHLINE 2861+00

MATCHLINE 859SW+00

MATCHLINE 857SE+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_358	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026413_s4a.dgn PLOT DATE : 18-AUG-2019 21:48 PLOT BY : MSCD1S PLOT NAME : 026413_s4a PLOT SCALE : 100:1

2

MATCHLINE 5863+00

EAST FRONTAGE ROAD

5862

5858

WO1-6
48" X 24"
TYPE III BARRICADE

RIGHT TURN LANE
R3-55R
24" X 30"

STH 20

MATCHLINE 300+00

MATCHLINE 315+00

302

304

306

308

310

312

314

+78.28
+34.21
+04.67
+17.65
+67.65
+61.70
+12.15
+61.19
+42.30
+84.31
+39.07
+95.53

25' TYP
50' TYP
15' TYP

200' SHIFTING TAPER

W1-4R
36" X 36"

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

LEFT TURN LANE
R3-55L
24" X 30"

R 8022'

LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

+23.87
+52.04
+55.39

SHIFTING TAPER

MATCHLINE 3854+00

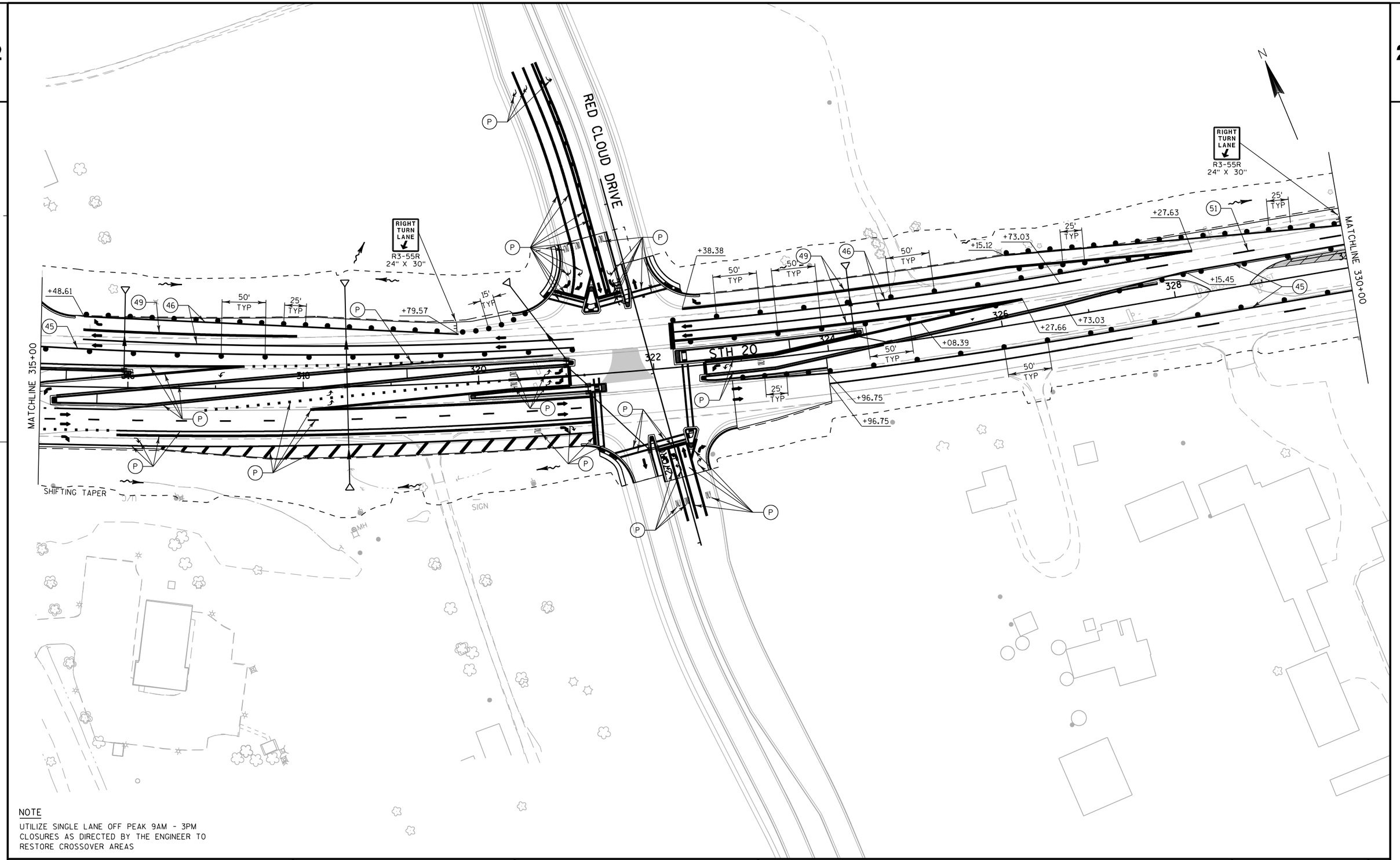
GALAXY DRIVE

SIGN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_359	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026414_s4a.dgn PLOT DATE : 18-AUG-2019 21:48 PLOT BY : MSCD1S PLOT NAME : 026414_s4a PLOT SCALE : 100:1

2

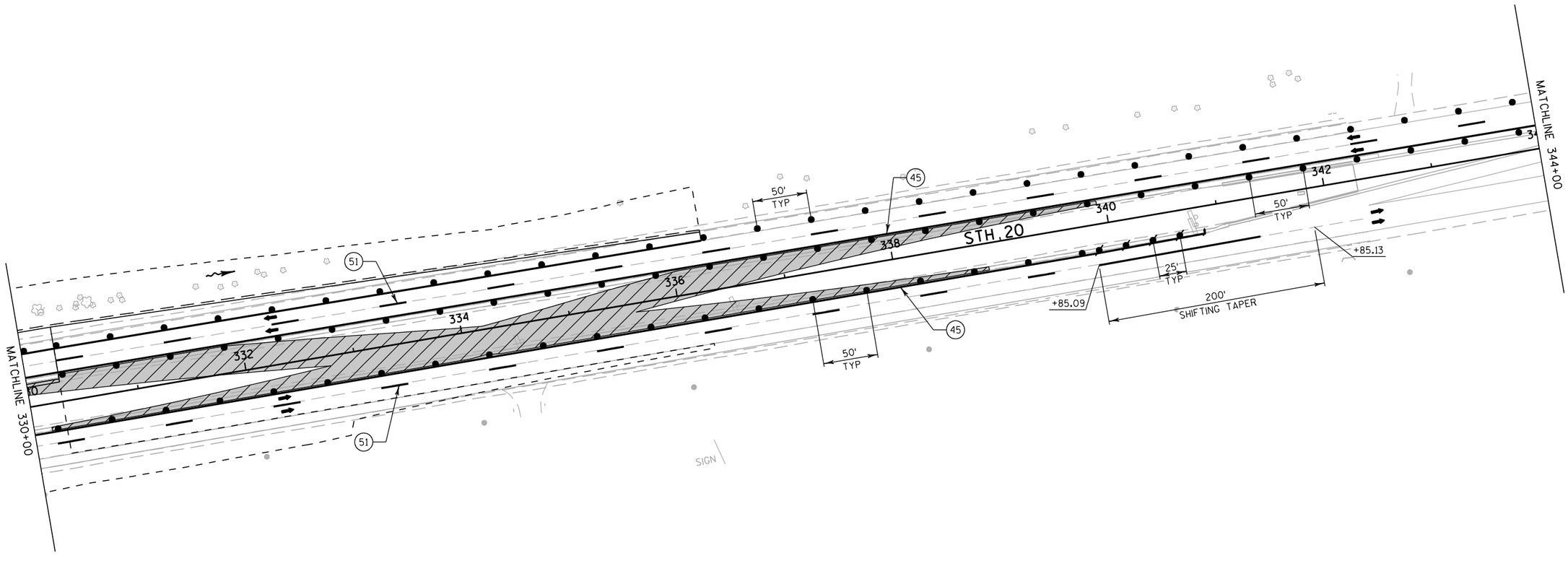


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM CLOSURES AS DIRECTED BY THE ENGINEER TO RESTORE CROSSOVER AREAS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_360	E

2

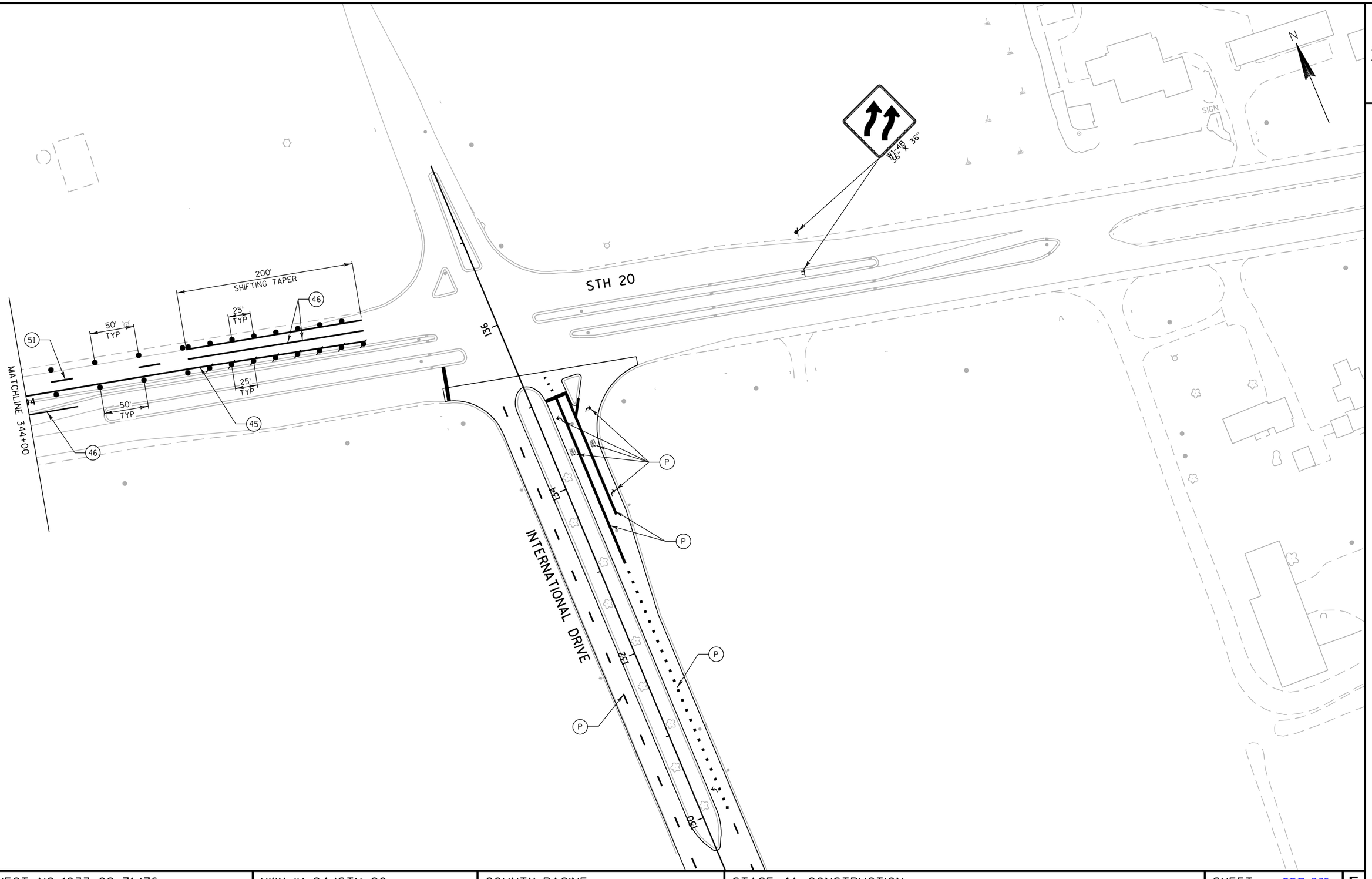


NOTE

UTILIZE SINGLE LANE OFF PEAK 9AM - 3PM
CLOSURES AS DIRECTED BY THE ENGINEER TO
RESTORE CROSSOVER AREAS

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_361	E

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_362	E

2

N

EAST FRONTAGE ROAD

5876

5874

872

WEST FRONTAGE ROAD

4876

4874

4872

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

+44.30
+44.30
+17.06
+17.82
+24.79

4870

50' TYP

50' TYP

46
45
51
46

89

MATCHLINE 4868+00

876NW

876

874NW

874

872NW

872

RAMP NW

870NW

IH 94 SB

870

IH 94 NB

868

SIGN

MATCHLINE 868NW+00

874NE

872NE

870NE

868NE

MATCHLINE 866NE+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_363	E

2

MATCHLINE 3854+00

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

R11-2L
48" X 30"
LANE CLOSED
TYPE III BARRICADE

W1-4R
36" X 36"

SHIFTING TAPER 314'

EAST FRONTAGE ROAD

3852

3853

3848

3846

+43.79

+43.79

+90.31

+90.31

+71.50

+70.91

+70.67

+99.51

+69.12

+99.73

+49.12

15' TYP

25' TYP

49

45

P

N

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4A CONSTRUCTION	SHEET PRE_364	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026420_s4a.dgn PLOT DATE : 18-AUG-2019 21:48 PLOT BY : MSCD1S PLOT NAME : 026420_s4a PLOT SCALE : 100:1

2

2

VILLAGE OF MOUNT PLEASANT

TOWN OF YORKVILLE

CTH C

IH 94

EAST FRONTAGE ROAD

RAMP NE

RAMP NW

KILBOURN DRIVE

B-51-129 (SB)

B-51-130 (NB)

STH 20

STH 20

WEST FRONTAGE ROAD

WEST FRONTAGE ROAD

RAMP SW

RAMP SE

GRANDVIEW PARKWAY

IH 94

N

STAGE 4B

CONSTRUCTION

- REMOVE STH 20 WB OUTSIDE TEMPORARY ASPHALT AND CONSTRUCT ISLANDS
- REMOVE EAST FRONTAGE ROAD TEMPORARY ASPHALT AND CONSTRUCT ISLAND

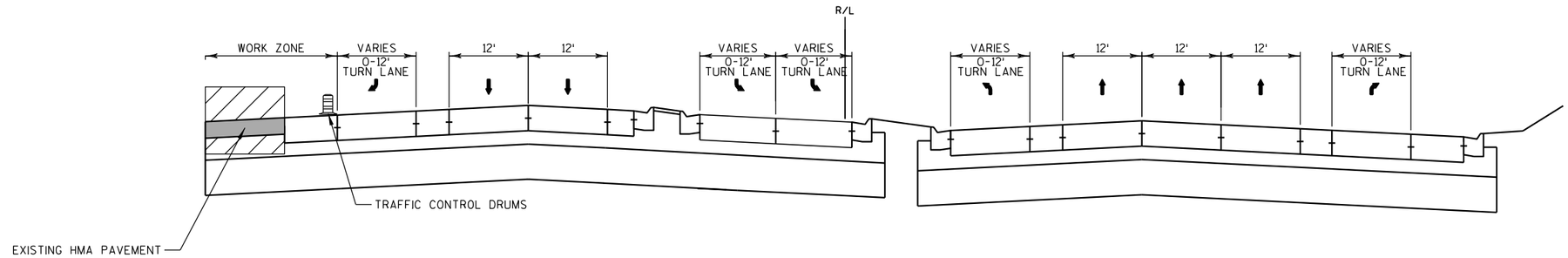
TRAFFIC

- STH 20 EB - ALL LANES OPEN
- STH 20 WB - TWO LANES ON STH 20 WB PERMANENT PAVEMENT
- RAMP SW - ALL LANES OPEN
- RAMP NW - ALL LANES OPEN
- RAMP SE - ALL LANES OPEN
- RAMP NE - ALL LANES OPEN
- WEST FRONTAGE ROAD - ALL LANES OPEN
- EAST FRONTAGE ROAD - ALL LANES OPEN
- INTERNATIONAL DRIVE - ALL LANES OPEN

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: OVERVIEW - STAGE 4B	SHEET PRE_365	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026500_s4b.dgn PLOT DATE : 18-AUG-2019 21:48 PLOT BY : MSCD1S PLOT NAME : 026500_s4b PLOT SCALE : 600:1

2



STAGE 4A TYPICAL SECTION

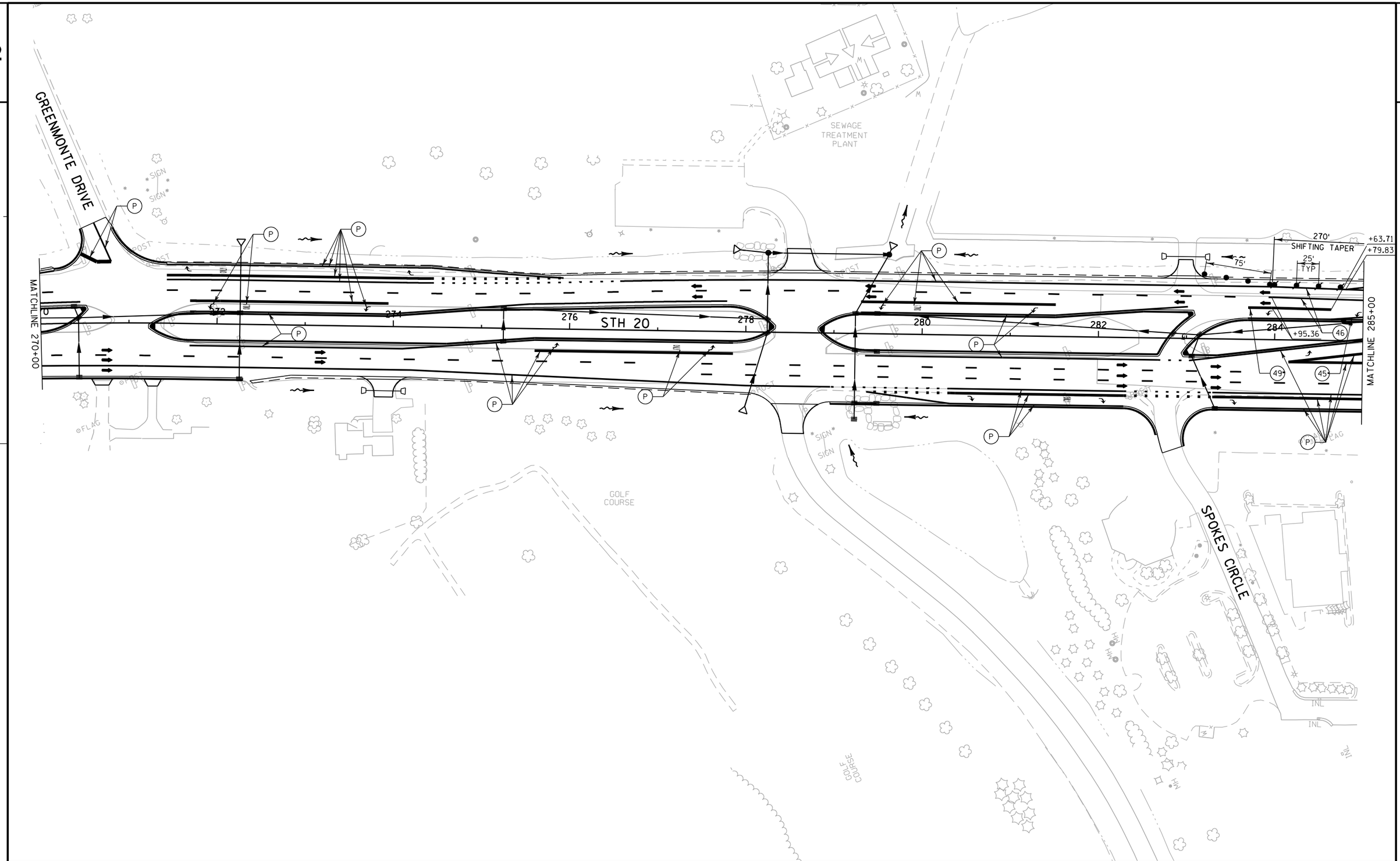
STH 20
LOOKING NORTH

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE CONSTRUCTION: TYPICAL SECTIONS - STAGE 4B	SHEET PRE_366	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026501_s4b.dgn PLOT DATE : 18-AUG-2019 21:49 PLOT BY : MSCD1S PLOT NAME : 026501_s4b PLOT SCALE : 20:1

WISDOT/CADDS SHEET 42

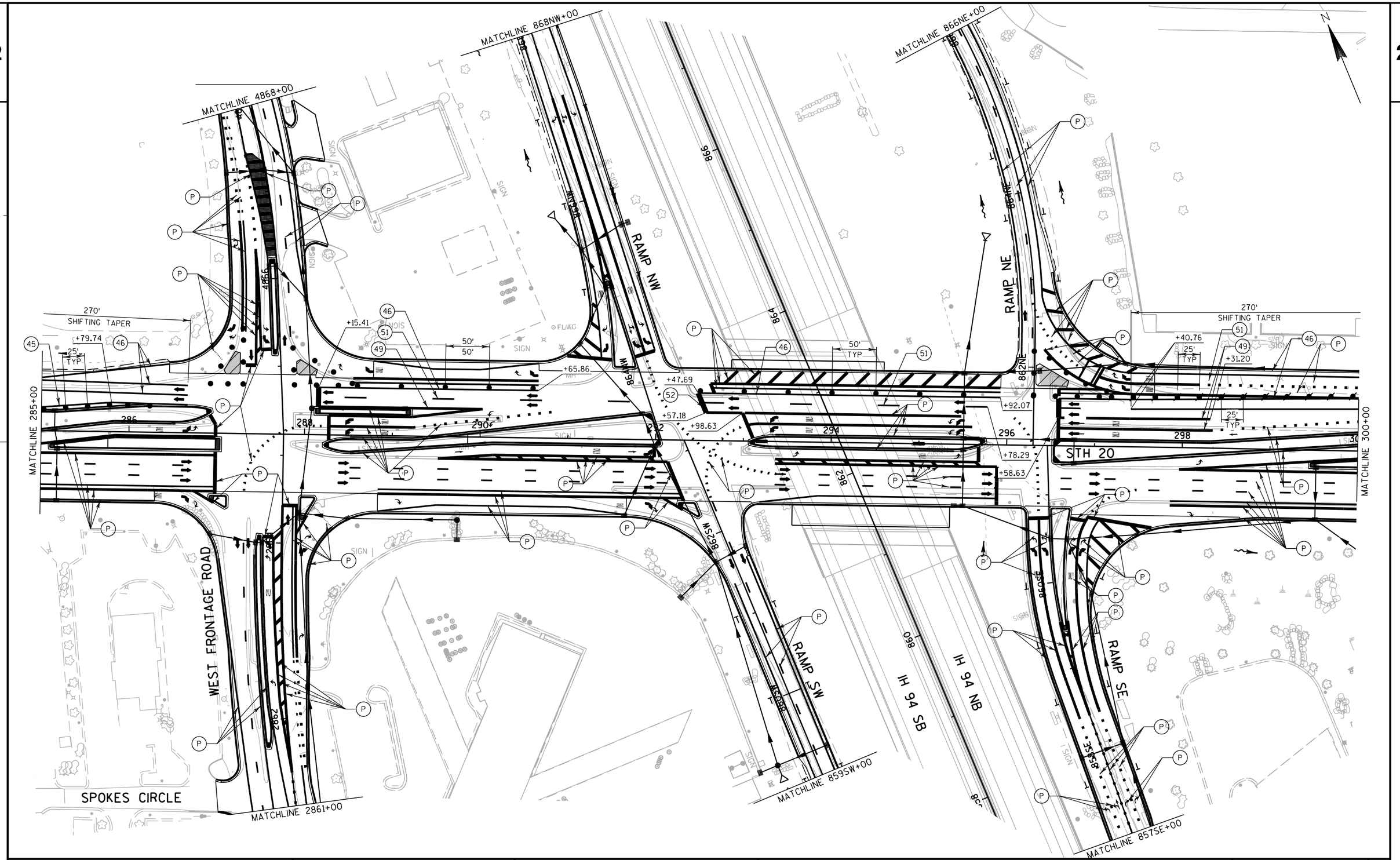
2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4B CONSTRUCTION	SHEET PRE_367	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\026512_s4b.dgn PLOT DATE : 18-AUG-2019 21:49 PLOT BY : MSCD1S PLOT NAME : 026512_s4b PLOT SCALE : 100:1

2



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACIRE	STAGE 4B CONSTRUCTION	SHEET PRE_368	E

2

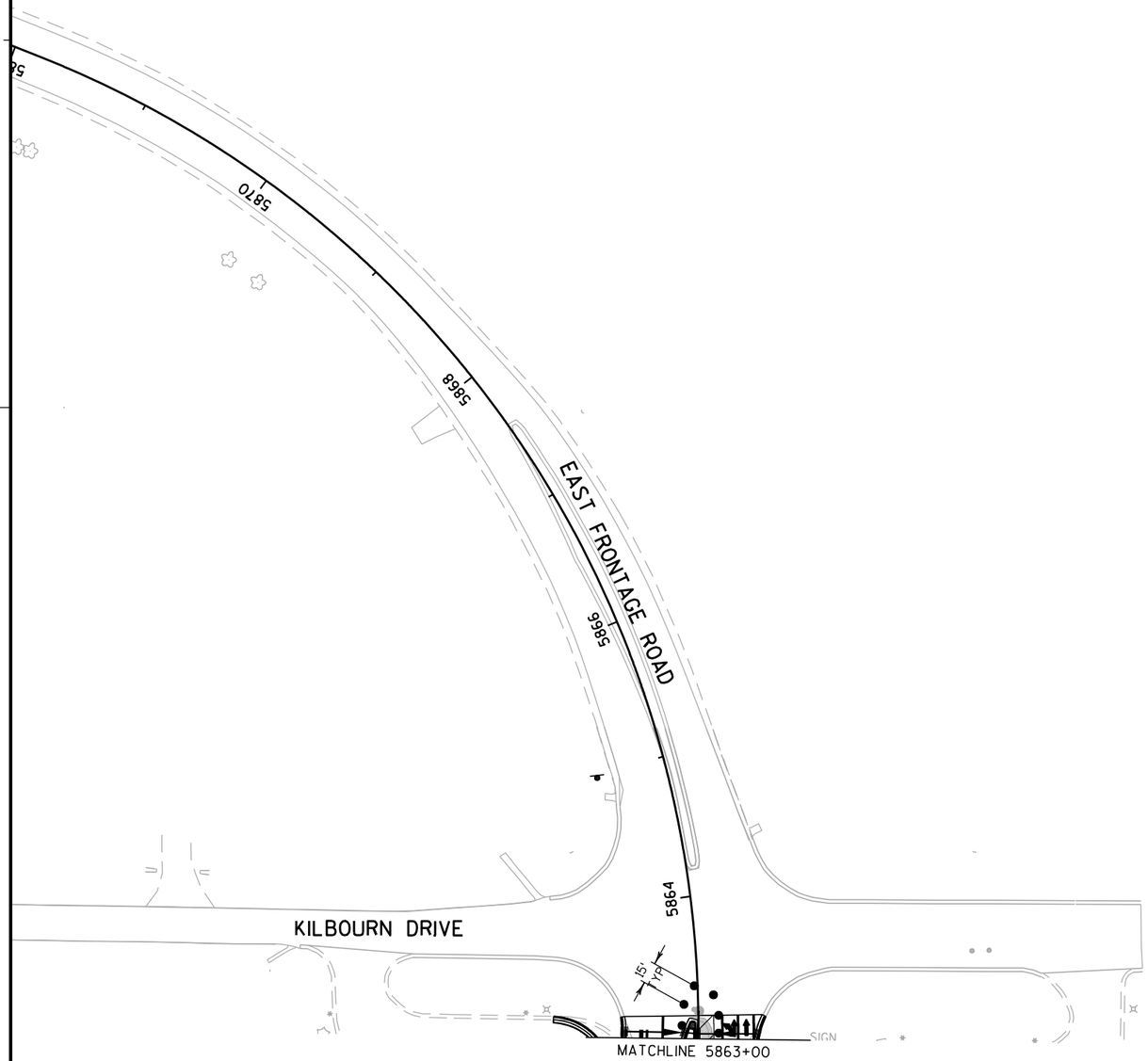
MATCHLINE 5863+00

+65.91
+42.66
+87.72
+52.70
+42.70
+89.32
+10.90

SIGN
SIGN
SIGN

2

N



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	STAGE 4B CONSTRUCTION	SHEET PRE_370	E

2

N

(1) MB4-5 24" X 12" / MB3-1 24" X 12" / M1-1 24" X 24" — TO NORTH 41 / TO WEST 94 — MB4-5 24" X 12" / M3-4 24" X 12" / M1-1 24" X 24"

(A) M06-1 21" X 21"

(B) M06-1 21" X 21"

(C) M05-1R 21" X 21"

(D) M05-1L 21" X 21"

(E) M06-1 21" X 21"

STH 20

KRAUT ROAD

2 MILE ROAD

3 MILE ROAD

CTH K

GOLF ROAD

NORTHWESTERN AVENUE

WEST FRONTAGE ROAD

IH 94

EAST FRONTAGE ROAD

1D 500' 1B 500' 1E 1E

1E 1E 1E 1E 1E 1E 1E 1E 1E 1E 1E

XXX

500' 1E 1E 500' 1A 1C

1E 1C 500' 1D

EXISTING — TO 41 / TO 94

EXISTING — NORTH 41 / WEST 94

EXISTING — TO 41 / TO 94

EXISTING — NORTH 41 / WEST 94

EXISTING — NORTH 41 / WEST 94

EXISTING — TO 41 / TO 94

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN NUMBER
- DETOUR ROUTE
- X CLOSED ROAD OR RAMP

NOTES

ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF STANDARD HIGHWAY SIGNS UNLESS OTHERWISE PROVIDED IN THE PLAN.

SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN IH 94 NB ENTRANCE RAMP IS OPEN TO TRAFFIC AND SIGN DETOUR IS NOT IN USE.

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	DETOUR PLAN - STH 20 NB ENTRANCE RAMP (STAGES 2 & 3)	SHEET PRE_371	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\027001_dt.dgn PLOT DATE : 18-AUG-2019 21:49 PLOT BY : MSCD1S PLOT NAME : 027001_dt PLOT SCALE : 1600:1

2

2

N

(2)
MB4-5 24" X 12" | MB4-5 24" X 12"
MB3-1 24" X 12" | M3-4 24" X 12"
M1-1 24" X 24" | M1-1 24" X 24"
TO SOUTH 41 | TO EAST 94

(A) M06-1 21" X 21"
(B) M06-1 21" X 21"
(C) M05-1R 21" X 21"
(D) M05-1L 21" X 21"
(E) M06-1 21" X 21"

STH 11

EXISTING
EXISTING
EXISTING

500'
2D
2E
2E
2E
2E
2C
2C
2C
2B
2D
2A
2E
2E
2E
2B
2D

WEST FRONTAGE ROAD
IH 94
EAST FRONTAGE ROAD

STH 20

EXISTING
EXISTING
EXISTING

DURAND AVENUE

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON POST(S)
- SIGN NUMBER
- DETOUR ROUTE
- CLOSED ROAD OR RAMP

NOTES

ALL SIGNS SHALL BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION MANUAL OF STANDARD HIGHWAY SIGNS UNLESS OTHERWISE PROVIDED IN THE PLAN.

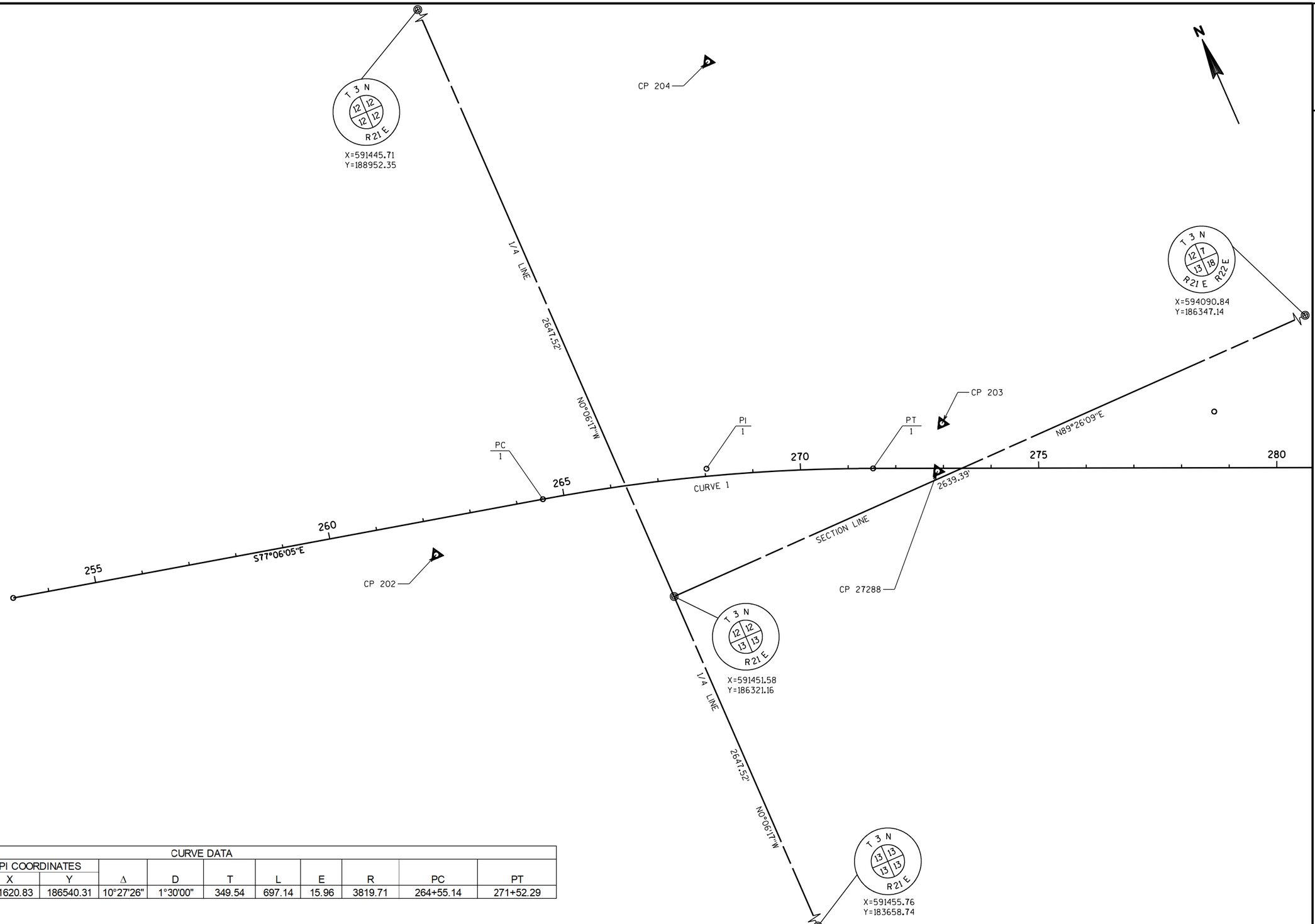
SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS.

DETOUR SIGNS SHALL BE COVERED OR REMOVED WHEN IH 94 NB ENTRANCE RAMP IS OPEN TO TRAFFIC AND SIGN DETOUR IS NOT IN USE.

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	DETOUR PLAN - STH 20 SB ENTRANCE RAMP (STAGES 2 & 3)	SHEET PRE_372	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\027002_dt.dgn PLOT DATE : 18-AUG-2019 21:49 PLOT BY : MSCD1S PLOT NAME : 027002_dt PLOT SCALE : 1600:1

2



CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
1	268+04.69	591620.83	186540.31	10°27'26"	1°30'00"	349.54	697.14	15.96	3819.71	264+55.14	271+52.29

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET PRE_373 E

2

T 3 N
12 | 7
12 | 7
R21 E R22 E
X=594080.88
Y=188984.80

T 3 N
7 | 7
18 | 18
R22 E
X=596599.43
Y=186275.68

T 3 N
12 | 7
13 | 18
R21 E R22 E
X=594090.84
Y=186347.14

T 3 N
12 | 12
13 | 13
R21 E
X=591451.58
Y=186321.16

T 3 N
13 | 18
13 | 18
R21 E R22 E
X=594100.15
Y=183686.18

CP 9150

CP 87028

CP 502

CP 31005

CP 503

CP 85429

CP 83343

CP 83178

PI EN1

PC EN1

PT WN1

PI WN1

PC WN1

PT NE1

PI NE1

PC NE1

PT SE1

PI SE1

PC SE1

PT SW1

PI SW1

PC SW1

PT WS1

PI WS1

PC WS1

PT ES2

PI ES2

PC ES2

PT ES1

PI ES1

PC ES1

N

N37°12'22"W

N89°26'09"E

2639.39'

SECTION LINE

870

870NW

N47°17'17"E

870NE

N13°08'03"W

865

865NW

SECTION LINE

2660.98'

N0°12'02"W

865NE

CURVE WN1

CURVE NE1

CURVE EN1

5865

5860

N23°35'50"E

N20°21'40"E

4865

2865

N23°21'40"E

N20°57'28"E

3858

S66°38'40"E

S66°22'21"E

280

285

290

295

300

305

310

287+76.11 STH 20 =
4864+22.42 WEST FRONTAGE ROAD
X=593432.50
Y=185757.99

292+06.70 STH 20 =
863NW+13.64 RAMP NW
X=593827.81
Y=185587.29

296+29.99 STH 20 =
861NE+10.98 RAMP NE
X=594216.42
Y=185419.48

296+46.42 STH 20 =
861SE+56.06 RAMP SE
X=594231.51
Y=185412.97

302+92.41 STH 20 =
5858+84.34 EAST FRONTAGE ROAD
X=594823.66
Y=185154.80

303+05.92 STH 20 =
3858+95.98 EAST FRONTAGE ROAD
X=594836.03
Y=185149.38

287+76.11 STH 20 =
2865+23.97 WEST FRONTAGE ROAD
X=593432.50
Y=185757.99

292+32.59 STH 20 =
863SW+12.26 RAMP SW
X=593851.58
Y=185577.03

PI 298+15.83
X=594387.03
Y=185345.81

VILLAGE OF MOUNT PLEASANT
TOWN OF YORKVILLE

N0°02'01"E

860

860SW

N6°52'48"W

855

855SE

N0°07'43"W

N2°43'11"E

CURVE SE1

CURVE SW1

CURVE ES2

CURVE ES1

3855

3850

CURVE DATA

CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
3	112+97.54	599296.53	181506.25	3°43'13"	0°54'10"	206.14	412.15	3.35	6347.46	110+91.40	115+03.55
4	117+14.45	599254.17	181921.14	5°48'01"	1°22'35"	210.90	421.44	5.34	4163.08	115+03.55	119+24.99

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET PRE_374	E

2

2

CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
2	321+32.17	596509.19	184417.44	10°50'59"	1°00'00"	544.11	1084.97	25.78	5729.62	315+88.05	326+73.03

T 3 N
7 7
18 18
R22 E

X=596599.43
Y=186275.68

1/4 LINE
2647.52'
N00°06'17"W

273RC+29.66 RED CLOUD DRIVE
X=596609.97
Y=184644.68

CP 31005

321+98.75 STH 20 =
271RC+04.27 RED CLOUD DRIVE
X=596582.16
Y=184421.01

PC
2

PT
2

310 315 320 325 330 335 340

S77°13'19"E

N77°05'08"E

CURVE 2

PI
2

270RC

268RC+96.34 RED CLOUD DRIVE
X=596556.51
Y=184214.66

T 3 N
18 18
18 18
R22 E

X=596604.26
Y=183628.16

N89°26'09"E
2639.39'
SECTION LINE

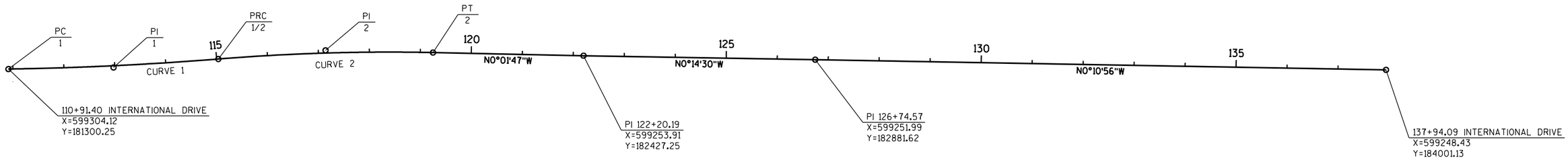
T 3 N
13 18
13 18
R21 E R22 E

X=594100.15
Y=183686.18

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET PRE_375	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\027203_ad.dgn PLOT DATE : 18-AUG-2019 21:50 PLOT BY : MSCD1S PLOT NAME : 027203_ad PLOT SCALE : 200:1

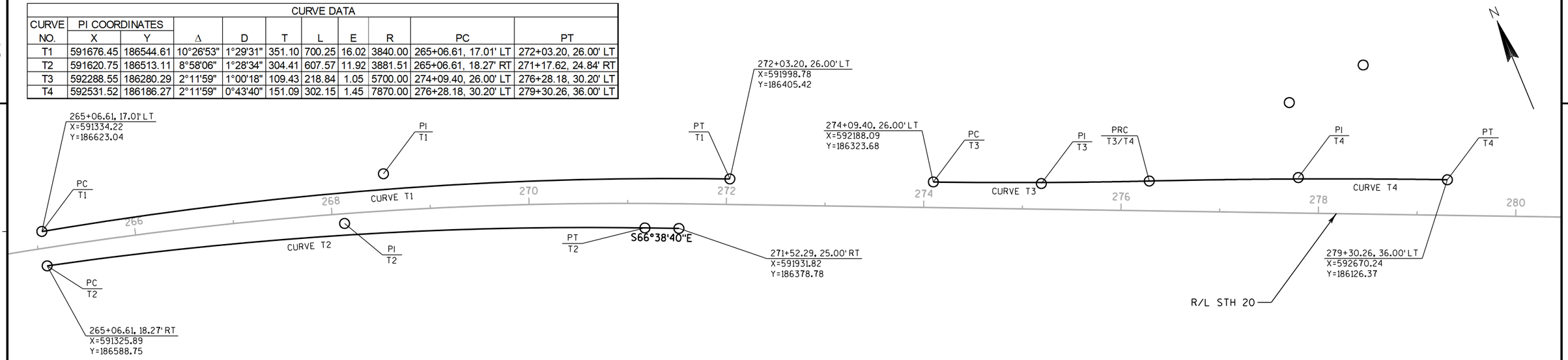
2



CURVE DATA											
CURVE NO.	PI	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
1	112+97.54	599296.53	181506.25	3°43'13"	0°54'10"	206.14	412.15	3.35	6347.46	110+91.40	115+03.55
2	117+14.45	599254.17	181921.14	5°48'01"	1°22'35"	210.90	421.44	5.34	4163.08	115+03.55	119+24.99

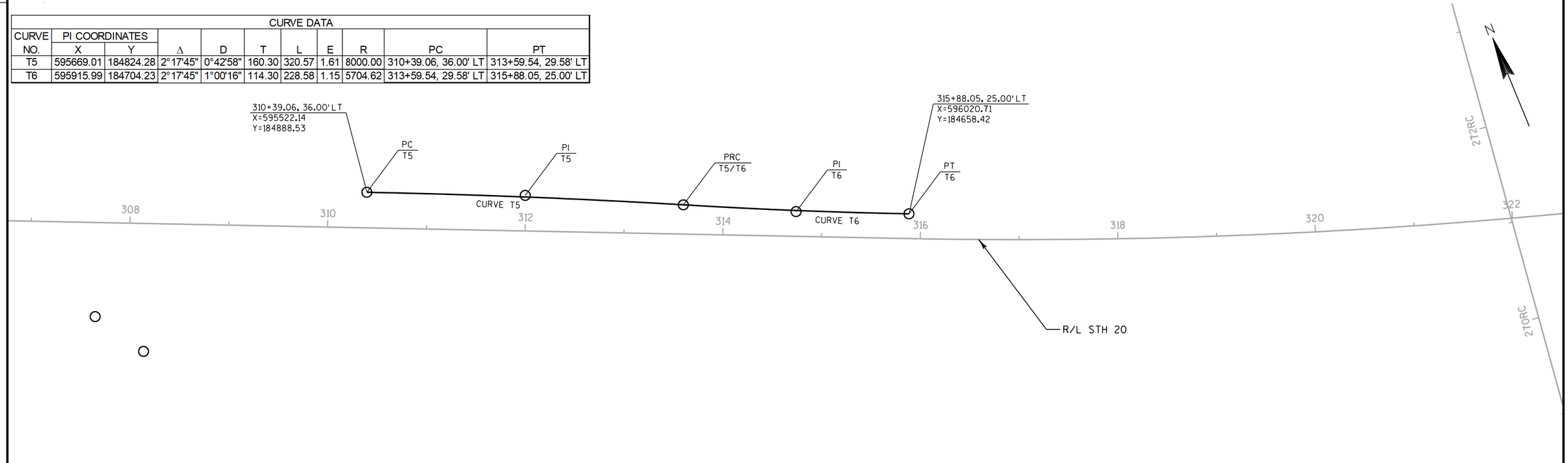
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	ALIGNMENT LAYOUT	SHEET PRE_376	E

CURVE DATA										
CURVE NO.	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
T1	591676.45	186544.61	10°26'53"	1°29'31"	351.10	700.25	16.02	3840.00	265+06.61, 17.01' LT	272+03.20, 26.00' LT
T2	591620.75	186513.11	8°58'06"	1°28'34"	304.41	607.57	11.92	3881.51	265+06.61, 18.27' RT	271+17.62, 24.84' RT
T3	592288.55	186280.29	2°11'59"	1°00'18"	109.43	218.84	1.05	5700.00	274+09.40, 26.00' LT	276+28.18, 30.20' LT
T4	592531.52	186186.27	2°11'59"	0°43'40"	151.09	302.15	1.45	7870.00	276+28.18, 30.20' LT	279+30.26, 36.00' LT



2

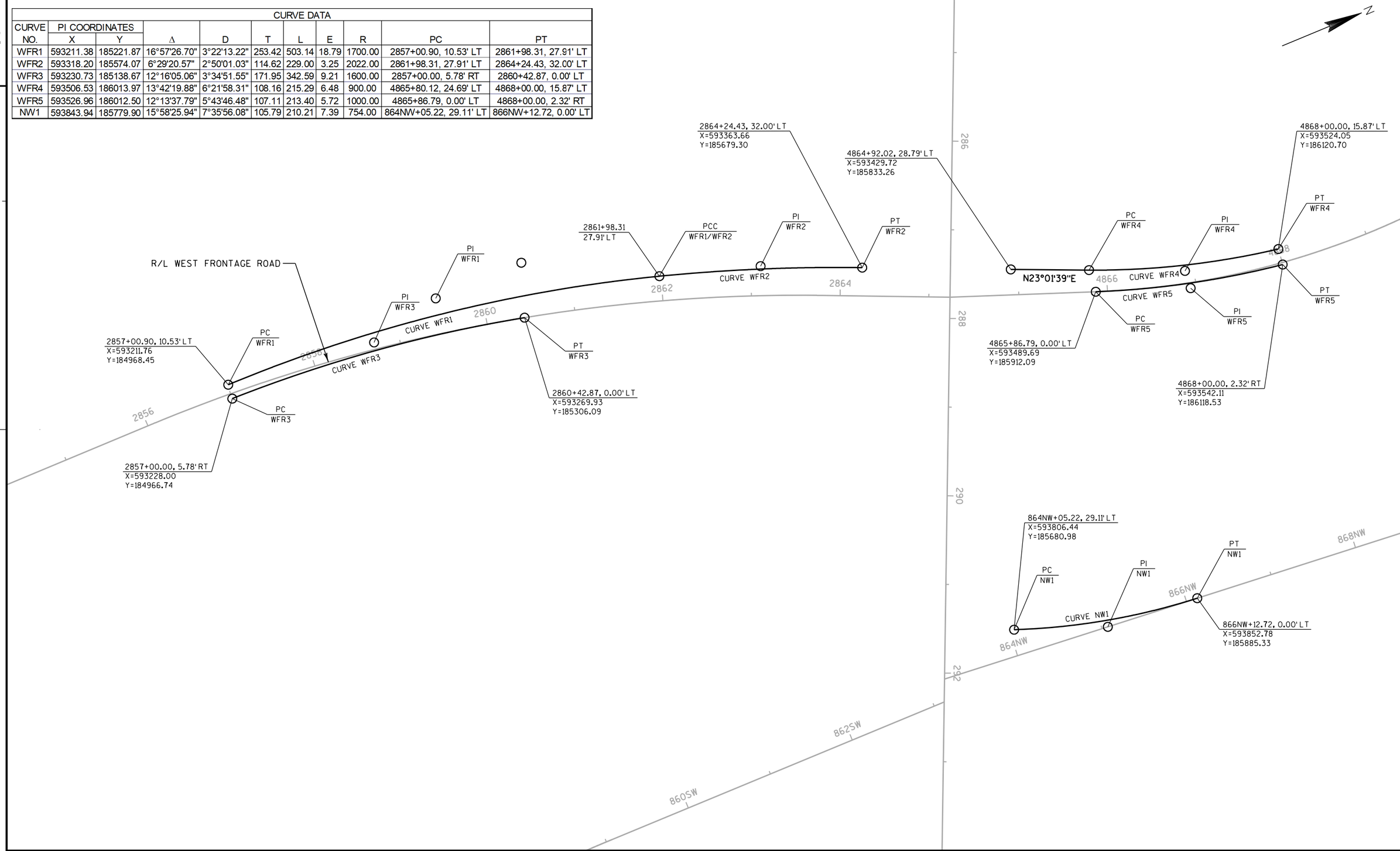
CURVE DATA										
CURVE NO.	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
T5	595669.01	184824.28	2°17'45"	0°42'58"	160.30	320.57	1.61	8000.00	310+39.06, 36.00' LT	313+59.54, 29.58' LT
T6	595915.99	184704.23	2°17'45"	1°00'16"	114.30	228.58	1.15	5704.62	313+59.54, 29.58' LT	315+88.05, 25.00' LT



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: MILWAUEE	ALIGNMENT LAYOUT - TRANSITIONAL CURVES	SHEET PRE_377	E

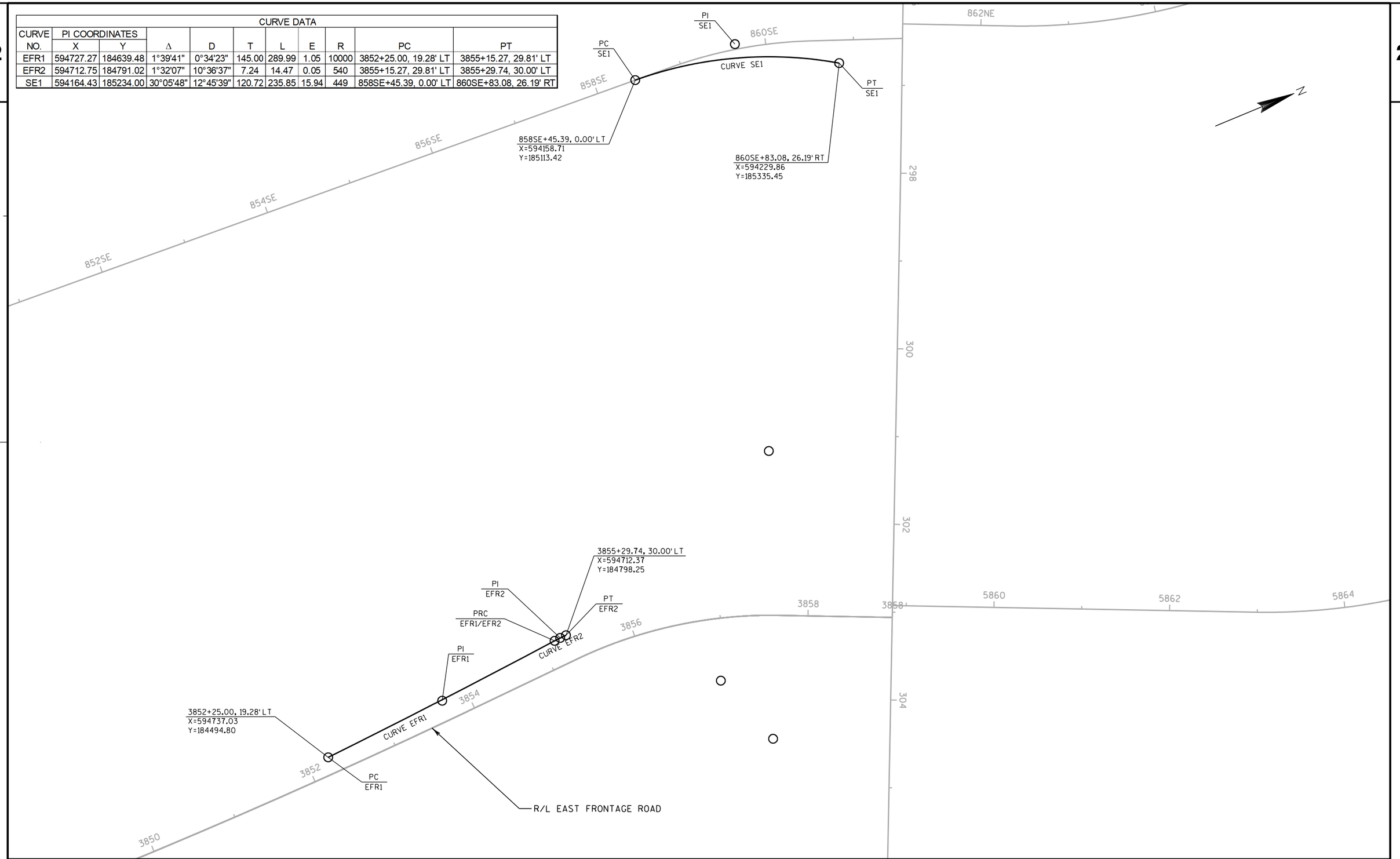
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\027251_ad.dgn PLOT DATE : 18-AUG-2019 21:50 PLOT BY : MSCD1S PLOT NAME : 027251_ad PLOT SCALE : 100:1

CURVE DATA										
CURVE NO.	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
WFR1	593211.38	185221.87	16°57'26.70"	3°22'13.22"	253.42	503.14	18.79	1700.00	2857+00.90, 10.53' LT	2861+98.31, 27.91' LT
WFR2	593318.20	185574.07	6°29'20.57"	2°50'01.03"	114.62	229.00	3.25	2022.00	2861+98.31, 27.91' LT	2864+24.43, 32.00' LT
WFR3	593230.73	185138.67	12°16'05.06"	3°34'51.55"	171.95	342.59	9.21	1600.00	2857+00.00, 5.78' RT	2860+42.87, 0.00' LT
WFR4	593506.53	186013.97	13°42'19.88"	6°21'58.31"	108.16	215.29	6.48	900.00	4865+80.12, 24.69' LT	4868+00.00, 15.87' LT
WFR5	593526.96	186012.50	12°13'37.79"	5°43'46.48"	107.11	213.40	5.72	1000.00	4865+86.79, 0.00' LT	4868+00.00, 2.32' RT
NW1	593843.94	185779.90	15°58'25.94"	7°35'56.08"	105.79	210.21	7.39	754.00	864NW+05.22, 29.11' LT	866NW+12.72, 0.00' LT



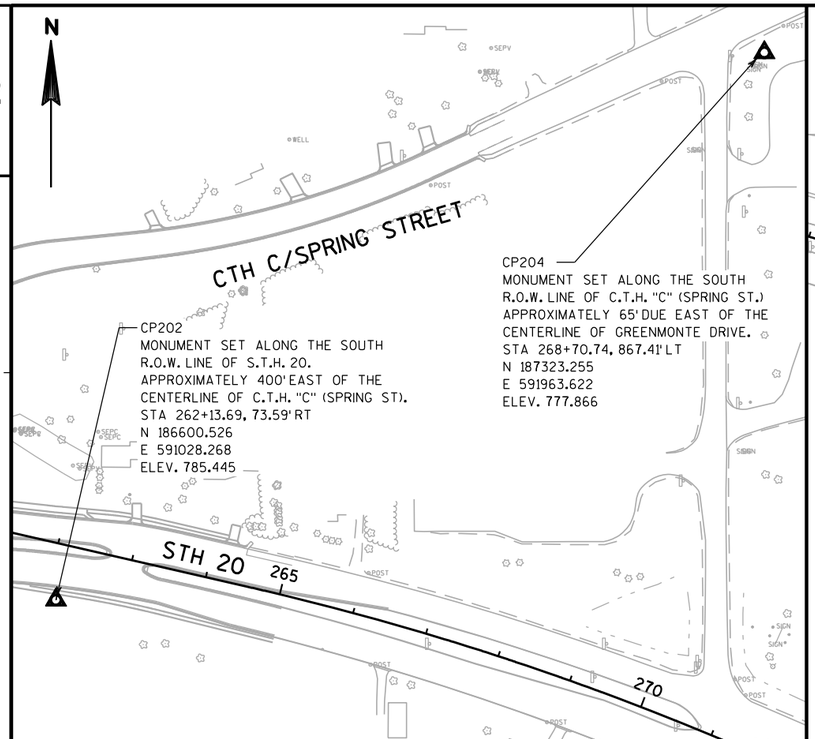
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: MILWAUEE	ALIGNMENT LAYOUT - TRANSITIONAL CURVES	SHEET PRE_378	E

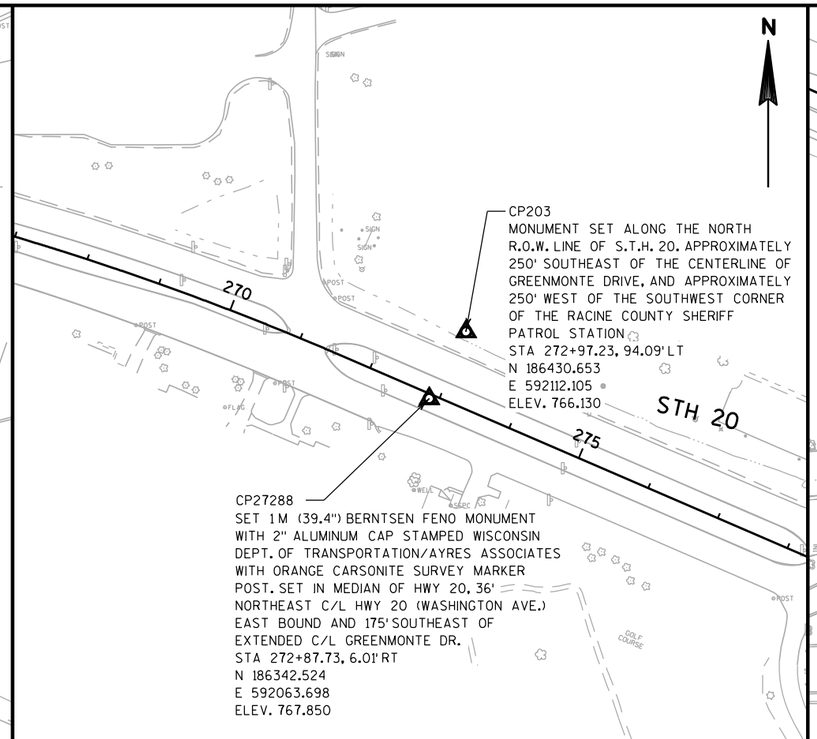
CURVE DATA										
CURVE NO.	PI COORDINATES X	PI COORDINATES Y	Δ	D	T	L	E	R	PC	PT
EFR1	594727.27	184639.48	1°39'41"	0°34'23"	145.00	289.99	1.05	10000	3852+25.00, 19.28' LT	3855+15.27, 29.81' LT
EFR2	594712.75	184791.02	1°32'07"	10°36'37"	7.24	14.47	0.05	540	3855+15.27, 29.81' LT	3855+29.74, 30.00' LT
SE1	594164.43	185234.00	30°05'48"	12°45'39"	120.72	235.85	15.94	449	858SE+45.39, 0.00' LT	860SE+83.08, 26.19' RT

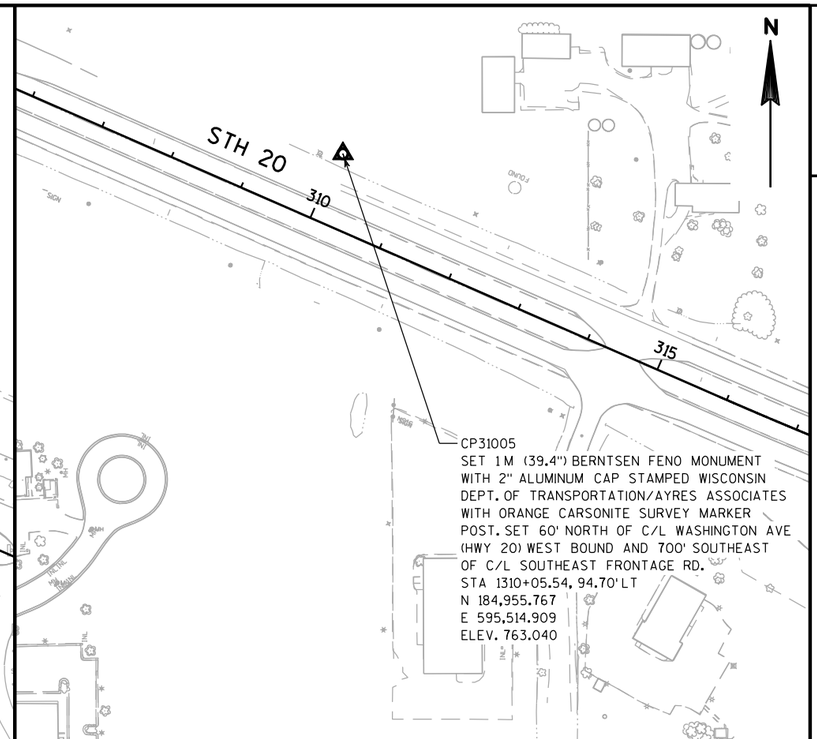


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: MILWAUEE	ALIGNMENT LAYOUT - TRANSITIONAL CURVES	SHEET PRE_379	E

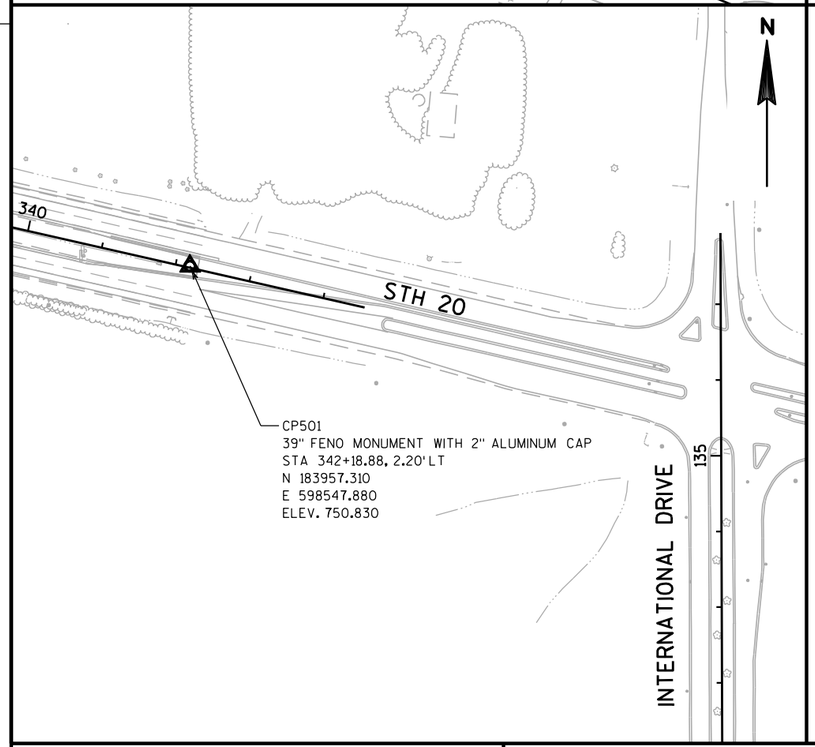
2

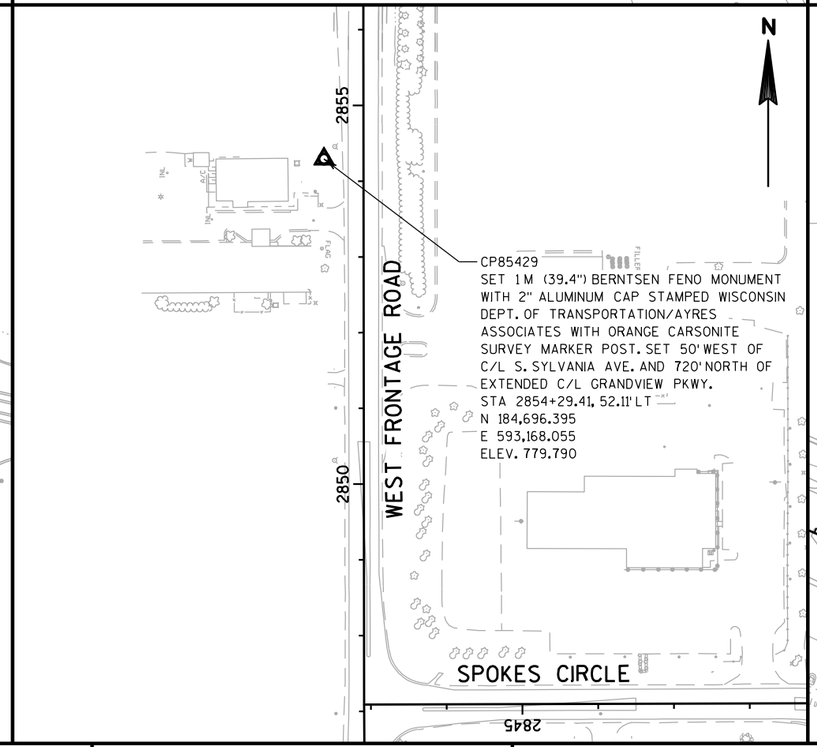


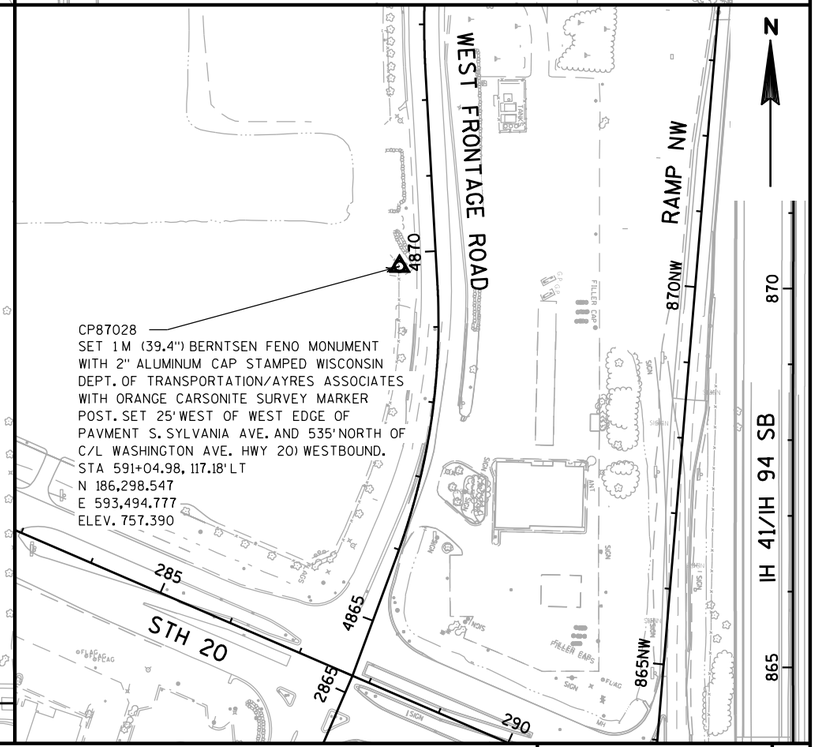




2

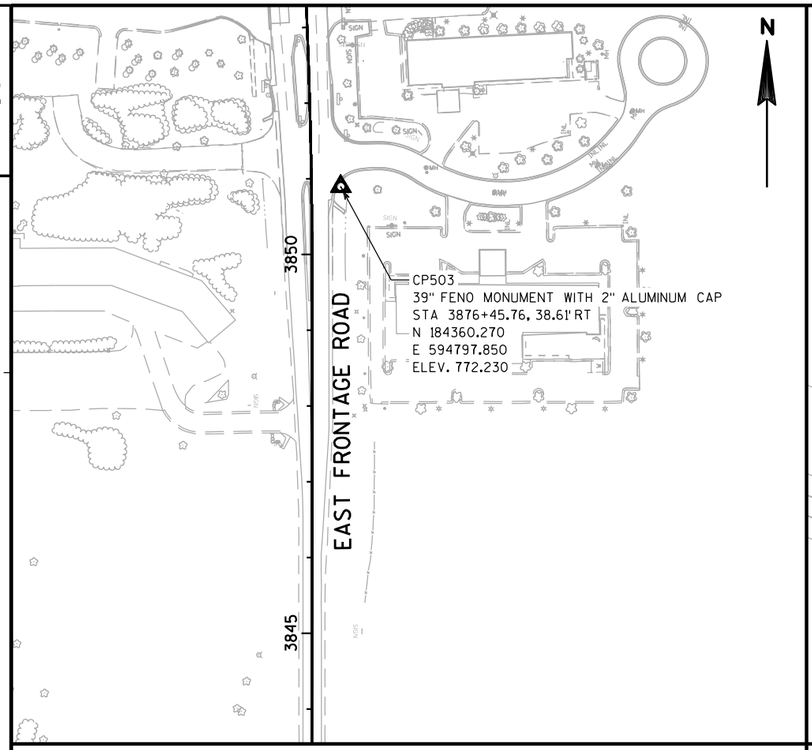


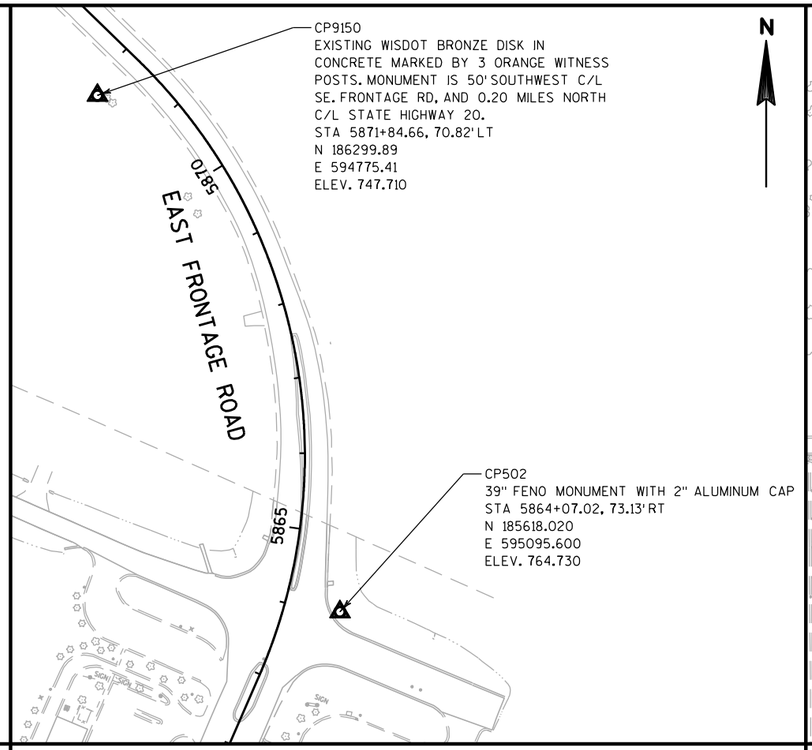


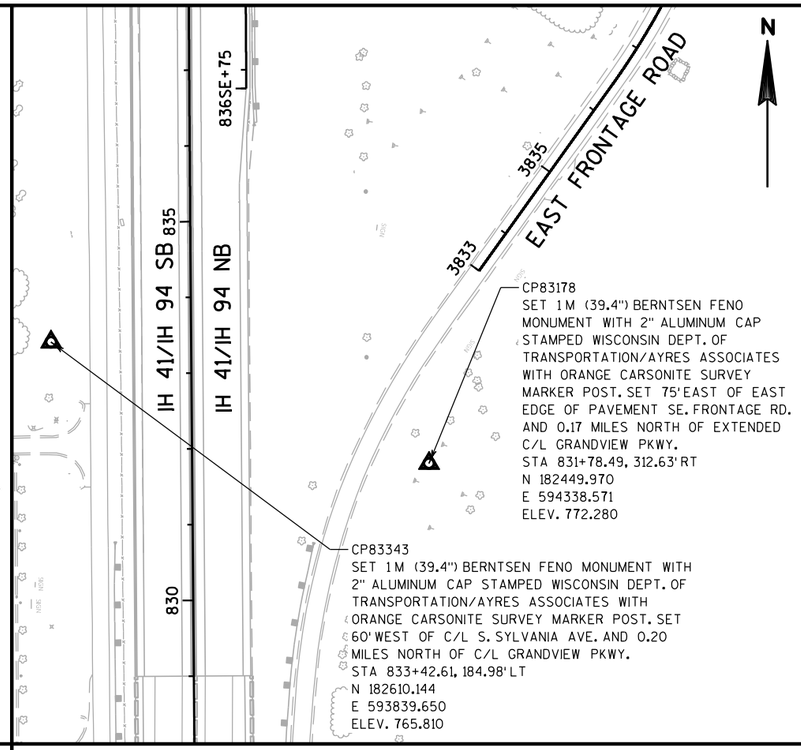


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET PRE_380	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\027291_ad_cp.dgn PLOT DATE : 18-AUG-2019 21:50 PLOT BY : MSCD1S PLOT NAME : 027291_ad_cp PLOT SCALE : 200:1







2

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	ALIGNMENT LAYOUT - SURVEY CONTROL	SHEET PRE_381	E

CLEARING AND GRUBBING

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA	201.0120 CLEARING ID	201.0220 GRUBBING ID
1000	STH 20								
		300+53			LT	--	--	8	8
		301+10			LT	--	--	8	8
		301+65			LT	--	--	8	8
	RAMP SE								
		859SE+38			RT	--	--	5	5
		859SE+72			RT	--	--	18	18
	WEST FRONTAGE ROAD SOUTH								
		2860+65			RT	--	--	4	4
		2863+82			LT	--	--	7	7
	WEST FRONTAGE ROAD NORTH								
		4866+23			RT	--	--	16	16
		4866+79			RT	--	--	10	10
		4866+95			RT	--	--	8	8
		4867+19			RT	--	--	8	8
	EAST FRONTAGE ROAD SOUTH								
		3853+64			RT	--	--	10	10
		3854+06			RT	--	--	10	10
		3854+61			RT	--	--	11	11
		3854+90			RT	--	--	16	16
		3855+04			RT	--	--	14	14
		3855+16			RT	--	--	15	15
		3855+44			RT	--	--	10	10
		3855+64			RT	--	--	13	13
		3856+00	-	3858+00	RT	2	2	--	--
		3856+40			LT	--	--	20	20
	EAST FRONTAGE ROAD NORTH								
		5860+51			LT	--	--	13	13
		5863+00			LT	--	--	13	13
		5863+02			RT	--	--	16	16
		5863+06			RT	--	--	9	9
		5863+11			RT	--	--	13	13
TOTALS						2	2	283	283

REMOVING PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	204.0100 SY
1000	STH 20				
		265+07	-	285+50	16,718
		285+50	-	290+00	5,691
		290+00	-	294+50	4,259
		294+50	-	300+00	4,573
		300+00	-	305+00	5,040
		305+00	-	330+30	16,493
	RAMP SW				
		861SW+36	-	862SW+88	346
	RAMP NW				
		863NW+85	-	864NW+85	277
	RAMP SE				
		860SE+39	-	861SE+07	409
	RAMP NE				
		861NE+60	-	862NE+62	665
	WEST FRONTAGE ROAD SOUTH				
		2859+98	-	2864+49	958
	WEST FRONTAGE ROAD NORTH				
		4864+79	-	4867+44	550
	EAST FRONTAGE ROAD SOUTH				
		3852+84	-	3858+36	2,297
	EAST FRONTAGE ROAD NORTH				
		5859+45	-	5861+84	2,081
TOTAL					60,357

REMOVING ASHPALTIC SURFACE MILLING

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	204.0155 SY
1000	1A	INTERNATIONAL DRIVE				
			111+75	-	135+58	15,062
		TOTAL				15,062

REMOVING CURB & GUTTER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0150 LF
1000	STH 20					
		260+63	-	262+66	LT/RT	204
		263+22	-	265+07	LT/RT	372
		271+51	-	278+25	RT	678
		278+91	-	282+36	RT	357
		283+11	-	283+97	RT	88
		286+37	-	286+77	RT	42
		286+94	-	287+16	RT	63
		287+68	-	287+94	RT	92
		287+85	-	292+31	LT/RT	537
		293+09	-	293+60	RT	51
		296+51	-	297+06	RT	56
		297+37	-	301+97	RT	459
	RAMP SW					
		861SW+89	-	862SW+19	RT	30
		862SW+19	-	862SW+25	LT	6
		862SW+27	-	862SW+92	RT	237
	RAMP NW					
		863NW+81	-	864NW+31	RT	50
	RAMP SE					
		855SE+90	-	857SE+25	LT	136
		860SE+55	-	860SE+94	LT/RT	96
		860SE+77	-	860SE+89	LT/RT	46
	WEST FRONTAGE ROAD SOUTH					
		2858+94	-	2858+96	RT	13
		2859+39	-	2859+50	RT	30
		2861+03	-	2861+05	LT	15
		2861+37	-	2861+40	LT	18
		2861+91	-	2863+03	LT	237
		2863+87	-	2864+48	RT	74

REMOVING CURB & GUTTER

(CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0150 LF
1000	WEST FRONTAGE ROAD NORTH					
		4865+08	-	48+36	LT	30
		4865+47	-	4865+59	RT	11
		4866+71	-	4866+78	RT	15
		4867+18	-	4867+28	RT	47
		4868+00	-	4868+06	LT	6
		4868+00	-	4868+06	RT	6
	EAST FRONTAGE ROAD SOUTH					
		3849+39	-	3850+94	LT	312
		3851+72	-	3852+89	LT	243
		3852+99	-	3853+07	LT	8
		3853+62	-	3855+62	RT	199
		3853+83	-	3855+56	LT	181
		3853+84	-	3855+02	LT	119
		3855+02	-	3855+56	LT	57
		3856+10	-	3858+16	RT	219
		3856+49	-	3858+14	LT	347
		3857+53	-	3858+34	LT	113
		3858+16	-	3858+34	RT	43
	EAST FRONTAGE ROAD NORTH					
		5860+00	-	5861+84	LT	184
		5861+32	-	5861+82	LT	54
		5861+73	-	5861+86	LT	23
		5861+84	-	5861+86	RT	21
		5862+16	-	5862+20	LT	15
		5862+23	-	5862+25	RT	21
		5862+33	-	5863+13	LT/RT	97
		5862+33	-	5862+58	LT/RT	28
		5862+58	-	5863+11	RT	53
		5862+61			LT	5
		5862+97	-	5863+16	LT/RT	52
	PARKING LOT					
		304+09	-	305+74	LT	169
	TOTAL					6,869

REMOVING CONCRETE SIDEWALK

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0155 SY
1000	RAMP SW					
		862+27	-	862+91	LT	149
	RAMP NW					
		863+78	-	864+31	LT/RT	70
	TOTAL					219

REMOVING SMALL PIPE CULVETS

CATEGORY	ROADWAY	STATION	LOCATION	DESCRIPTION	203.0100 EACH
1000	STH 20				
		273+90	76'RT	18" X 30' CMCP	1
		278+54	89'RT	36" X 53' RCCP	1
		278+64	89'LT	48" X 61' CMCP	1
		279+16	105'RT	24" X 27' CMCP	1
		279+41	4'LT	42" X 158' RCCP	1
		282+76	74'RT	18" X 58' CMCP	1
		282+98	82'LT	15" X 31' CMCP	1
		292+84	C/L	24" X 175' RCCP	1
		298+93	72'RT	24" X 113' CMCP	1
		300+14	104'RT	18" X 34' CMCP	1
		314+43	92'RT	24" X 48' CMCP	1
		314+50	C/L	18" X 70' RCCP	1
		314+50	1'RT	18" X 65' RCCP	1
		314+50	78'LT	18" X 58' RCCP	1
	WEST FRONTAGE ROAD SOUTH				
		2859+16	28'RT	18" X 114' CMCP	1
		2860+32	21'RT	18" X 40' CMCP	1
		2861+03	65'LT	18" X 89' CMCP	1
		2862+28	66'LT	18" X 20' CMCP	1
		2862+41	16'RT	18" X 115' CMCP	1
	WEST FRONTAGE ROAD NORTH				
		4867+10	29'RT	24" X 152' CMCP	1
	TOTAL				20

REMOVING SURFACE DRAINS

CATEGORY	ROADWAY	STATION	OFFSET	204.0190 EACH
1000	STH 20			
		272+37	68' RT	1
	RAMP SW			
		858SW+57	15' RT	1
	RAMP SE			
		855SE+90	18' LT	1
		857SE+25	24' RT	1
	TOTAL			4

3

REMOVING MANHOLES

CATEGORY	ROADWAY	STATION	OFFSET FT	204.0210 EACH
1000	STH 20			
		274+91	99'LT	1
		280+12	74'LT	1
		281+88	73'LT	1
		284+77	C/L	1
		285+78	1'RT	1
		285+88	73'LT	1
		286+45	105'RT	1
		286+46	101'LT	1
		286+82	73'LT	1
		288+09	75'LT	1
		288+12	120'RT	1
		291+02	83'LT	1
		291+62	77'LT	1
		292+85	3'RT	1
		295+48	88'LT	1
		295+57	75'LT	1
		296+22	1'RT	1
		296+54	68'LT	1
		298+17	74'LT	1
		299+08	91'RT	1
		299+87	72'LT	1
		300+14	99'LT	1
		300+57	101'RT	1
		302+04	105'RT	1
		305+45	108'RT	1
		305+55	117'RT	1
		305+57	105'LT	1
		307+32	96'LT	1
		309+44	109'RT	1
		314+45	120'RT	1
		316+43	100'LT	1
		318+52	165'RT	1
	WEST FRONTAGE ROAD SOUTH			
		2858+72	51'LT	1
		2861+83	68'LT	1
	EAST FRONTAGE ROAD SOUTH			
		3853+42	83'RT	1
		3856+00	87'LT	1
TOTAL				36

REMOVING INLETS

CATEGORY	ROADWAY	STATION	OFFSET FT	204.0220 EACH
1000	STH 20			
		265+73	56'RT	1
		265+73	4'RT	1
		265+73	10'LT	1
		268+84	60'RT	1
		268+84	C/L	1
		268+84	21'LT	1
		270+42	22'LT	1
		270+43	2'LT	1
		272+29	63'RT	1
		272+96	24'RT	1
		272+96	C/L	1
		272+96	23'LT	1
		277+97	23'LT	1
		277+98	C/L	1
		277+99	23'RT	1
		279+03	6'RT	1
		279+27	8'RT	1
		278+28	24'RT	1
		279+68	100'LT	1
		283+47	19'RT	1
		283+48	24'LT	1
		283+49	C/L	1
		284+87	16'RT	1
		284+87	24'RT	1
		285+27	1'RT	1
		285+77	25'LT	1
		286+22	25'LT	1
		286+24	7'LT	1
		286+24	8'RT	1
		286+97	58'RT	1
		287+95	24'LT	1
		288+99	85'RT	1
		289+06	24'RT	1
		289+07	7'RT	1
		289+07	8'LT	1
		290+21	19'LT	1
		291+25	14'LT	1
		291+26	C/L	1
		292+31	5'RT	1
		292+39	55'RT	1

REMOVING INLETS (CONTINUED)

CATEGORY	ROADWAY	STATION	OFFSET FT	204.0220 EACH
1000	STH 20			
		293+40	14'RT	1
		293+45	13'LT	1
		295+47	15'RT	1
		295+72	3'LT	1
		299+26	1'RT	1
		318+47	C/L	1
	SUBTOTAL			250.022
1000	RAMP NW			
		864NW+28	9'RT	1
		866NW+01	33'RT	1
	RAMP SE			
		860SE+34	74'LT	1
		860SE+70	10'RT	1
	RAMP NE			
		861NE+89	27'RT	1
		862NE+82	106'LT	1
	WEST FRONTAGE ROAD SOUTH			
		2858+19	34'RT	1
		2858+24	34'RT	1
		2861+79	66'LT	1
		2862+60	29'LT	1
		2864+41	44'RT	1
	EAST FRONTAGE ROAD SOUTH			
		3858+12	22'LT	1
	EAST FRONTAGE ROAD NORTH			
		5859+60	8'RT	1
		5859+67	65'RT	1
SUBTOAL				14
TOTAL				264.022

REMOVING STORM SEWER

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0245.004 12-INCH LF	204.0245.006 15-INCH LF	204.0245.008 18-INCH LF	204.0245.010 24-INCH LF	204.0245.012 30-INCH LF	204.0245.016 36-INCH LF
1000	STH 20										
		265+64	-	265+73	RT	--	--	5	--	--	--
		265+73	-	265+73	RT	53	--	--	--	--	--
			265+73		LT/RT	15	--	--	--	--	--
		265+73	-	268+84	C/L	--	--	311	--	--	--
			268+84		RT	61	--	--	--	--	--
			268+84		LT	--	--	22	--	--	--
			268+84		LT	--	--	69	--	--	--
		270+42	-	270+43	LT	20	--	--	--	--	--
		270+43	-	272+96	C/L	--	--	254	--	--	--
		272+29	-	272+96	RT	78	--	--	--	--	--
			272+96		RT	25	--	--	--	--	--
			272+96		LT	24	--	--	--	--	--
		272+96	-	277+96	C/L	--	--	500	--	--	--
			277+98		RT	--	--	--	--	--	22
			277+98		RT	--	--	--	--	--	64
			277+98		LT	--	--	--	--	--	22
			277+98		LT	--	--	--	--	--	65
		277+98	-	279+03	RT	--	--	106	--	--	--
		279+03	-	279+27	RT	--	--	24	--	--	--
		279+27	-	279+28	RT	24	--	--	--	--	--
			283+48		RT	19	--	--	--	--	--
			283+48		LT	--	25	--	--	--	--
			283+48		LT	--	53	--	--	--	--
		283+49	-	284+77	C/L	--	129	--	--	--	--
		284+77	-	284+88	RT	19	--	--	--	--	--
		284+77	-	285+27	C/L	--	51	--	--	--	--
			284+88		RT	--	11	--	--	--	--
		285+27	-	285+78	C/L	--	51	--	--	--	--
			285+78		LT/RT	26	--	--	--	--	--
			286+22		LT	18	--	--	--	--	--
			286+22		LT/RT	15	--	--	--	--	--
			286+22		RT	73	--	--	--	--	--
		287+96	-	289+07	LT	113	--	--	--	--	--
		288+20	-	289+00	RT	--	80	--	--	--	--
		289+00	-	289+06	RT	61	--	--	--	--	--
		289+00	-	289+13	RT	14	--	--	--	--	--
		289+06	-	289+07	RT	16	--	--	--	--	--
			289+07		LT/RT	16	--	--	--	--	--
		289+07	-	290+22	LT/RT	116	--	--	--	--	--
			291+25		LT	--	--	13	--	--	--
			291+25		LT	--	--	69	--	--	--
		291+25	-	292+31	RT	--	--	105	--	--	--
		292+85		293+39	LT/RT	--	--		62	--	--
		292+85	-	293+45	RT	--	--	--	56	--	--
		295+24	-	295+72	LT	--	--	--	--	168	--
		295+47	-	295+73	RT	31	--	--	--	--	--
		295+72	-	296+22	LT/RT	50	--	--	--	--	--
		296+22	-	296+60	RT	--	--	--	92	--	--
		298+34	-	299+31	C/L	--	--	93	--	--	--
			299+26		LT/RT	--	--	71	--	--	--
		318+44		318+47	LT	--	--	--	--	--	79
		318+47	-	318+51	RT	--	--	--	--	--	95
SUBTOTALS						887	400	1,642	210	168	347

(CONTINUED ON NEXT SHEET)

REMOVING STORM SEWER (CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0245.004 12-INCH LF	204.0245.006 15-INCH LF	204.0245.008 18-INCH LF	204.0245.010 24-INCH LF	204.0245.012 30-INCH LF	204.0245.016 36-INCH LF
1000	RAMP SW										
		862SW+12	-	862SW+60	LT	--	55	--	--	--	--
	RAMP NW										
		864NW+11	-	866NW+01	LT	--	193	--	--	--	--
		864NW+28	-	864NW+50	LT/RT	--	45	--	--	--	--
		865NW+98	-	866NW+01	LT/RT	--	60	--	--	--	--
	RAMP SE										
		860SE+35	-	860SE+71	LT/RT	--	--	--	93	--	--
		860SE+54	-	860SE+71	RT	--	--	--	28	--	--
	RAMP NE										
		861NE+90	-	862NE+07	RT	--	44	--	--	--	--
		862NE+82	-	865NE+20	LT	--	--	--	--	200	--
	WEST FRONTAGE ROAD SOUTH										
		2858+19	-	2858+22	RT	--	--	4	--	--	--
		2858+22	-	2859+71	LT/RT	--	--	--	194	--	--
		2862+61	-	2863+19	LT/RT	73	--	--	--	--	--
		2864+37	-	2864+41	LT/RT	--	--	--	158	--	--
	EAST FRONTAGE ROAD SOUTH										
		3858+12	-	3858+19	LT	75	--	--	--	--	--
	EAST FRONTAGE ROAD NORTH										
		5859+58	-	5859+60	LT/RT	--	101	--	--	--	--
		5859+60	-	5859+67	RT	57	--	--	--	--	--
SUBTOTALS						205	498	4	473	200	--
TOTALS						1,092	898	1,646	683	368	347

FINISHING ROADWAY PROJECT ID 1033-02-71

CATEGORY	STAGE		213.0100.XXXX EACH
1000	ALL	PROJECT	1
	TOTAL		1

REMOVING PAVEMENT MARKINGS

CATEGORY	STAGE	ROADWAY	646.9000 MARKING REMOVAL LINE 4-INCH LF	646.9100 MARKING REMOVAL LINE 8-INCH LF	646.9200 MARKING REMOVAL LINE WIDE LF	646.9300 MARKING REMOVAL SPECIAL MARKING EACH
1000	1A	STH 20	4,987	1,049	--	--
		RAMP NW	51	142	--	--
		RAMP SE	--	160	--	--
		WEST FRONTAGE ROAD SOUTH	--	379	--	--
		EAST FRONTAGE ROAD SOUTH	390	235	--	--
		EAST FRONTAGE ROAD NORTH	55	259	--	--
	1B	STH 20	7,995	738	165	13
		RAMP NW	752	--	22	4
		RAMP SE	615	89	29	5
		WEST FRONTAGE ROAD SOUTH	698	--	214	--
		WEST FRONTAGE ROAD NORTH	695	--	289	--
		EAST FRONTAGE ROAD SOUTH	--	--	25	--
		EAST FRONTAGE ROAD NORTH	150	--	109	2
		TOTAL	16,388	3,051	853	24

SAW CUTTING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
1000	STH 20							
		260+63	-	262+72	LT/RT	14	230	ISLAND
		263+16	-	269+00	LT/RT	--	783	ISLAND
			365+06		RT	--	27	WEST PROJECT LIMITS
			265+07		LT	11	36	WEST PROJECT LIMITS
		265+80	-	265+93	LT	14	--	DRIVEWAY
		266+51	-	266+65	RT	15	--	DRIVEWAY
		269+02	-	269+17	RT	15	--	DRIVEWAY
		270+11	-	271+50	RT	--	141	MEDIAN
		270+47	-	270+75	LT	31	--	DRIVEWAY
		271+22	-	271+33	LT	12	--	DRIVEWAY
		271+50	-	278+27	RT	--	649	ISLAND
		273+79	-	274+01	RT	23	--	DRIVEWAY
		278+25	-	278+92	RT	--	67	ISLAND
		278+43	-	278+67	RT	25	--	DRIVEWAY
		278+46	-	278+75	LT	27	--	DRIVEWAY
		278+89	-	282+37	RT	--	368	ISLAND
		282+37	-	283+10	RT	--	74	MEDIAN
		282+75	-	282+97	RT	24	--	DRIVEWAY
		282+89	-	283+09	LT	20	--	DRIVEWAY
		284+80	-	284+82	RT	--	15	ISLAND
		284+82	-	286+94	RT	--	301	ISLAND
		286+37	-	286+78	RT	--	49	CURB & GUTTER
		286+92	-	287+18	RT	--	77	ISLAND
		286+94	-	287+86	RT	--	103	MEDIAN
		287+84	-	292+32	LT/RT	--	554	ISLAND
		292+32	-	293+03	RT	--	72	MEDIAN
		295+66	-	296+52	RT	--	93	MEDIAN
		296+52	-	299+91	RT	--	347	ISLAND
		297+37	-	301+97	RT	--	460	SHOULDER
		302+34	-	303+43	RT	--	110	MEDIAN
		303+76	-	313+96	RT	1,022	--	ISLAND
		303+78	-	314+09	RT	1,036	--	SHOULDER
		314+16	-	314+79	RT	--	64	MEDIAN
		314+32	-	314+57	RT	26	--	DRIVEWAY
		314+88	-	336+26	RT	2,148	--	SHOULDER
		321+06	-	322+33	RT	135	--	ISLAND
			323+97		RT	4	24	EAST PROJECT LIMITS
		328+39	-	328+87	RT	--	48	MEDIAN
			330+30		LT	4	24	EAST PROJECT LIMITS
		330+30	-	336+30	LT	601	--	SHOULDER
	RAMP SW							
			861SW+63		LT/RT	28	15	
		862SW+18	-	862SW+45	RT	--	30	CURB & GUTTER
		862SW+21	-	862SW+95	LT	--	259	ISLAND
	RAMP NW							
		863NW+60	-	867NW+22	RT	362	--	
		864NW+13	-	865NW+06	C/L	23	71	
		865NW+57	-	868NW+51	C/L	295	--	

SAW CUTTING ITEMS (CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF	REMARKS
1000	RAMP SE							
		855SE+90	-	860SE+25	LT	317	--	
		855SE+90	-	860SE+40	C/L RT	455	--	
		860SE+40	-	860SE+78	RT	--	58	
		860SE+53	-	860SE+96	LT/RT	--	109	
	WEST FRONTAGE ROAD SOUTH							
			2857+00		LT/RT	35	--	SOUTH LIMITS
		2857+00	-	2863+88	LT	494	--	
		2858+96	-	2859+49	RT	53	5	DRIVEWAY
		2860+09	-	2860+69	RT	81	5	DRIVEWAY
		2861+04	-	2861+41	LT	34	5	DRIVEWAY
		2862+25	-	2862+57	RT	26	5	DRIVEWAY
		2863+05	-	2864+47	LT	84	99	
		2863+88	-	2864+49	RT	--	76	CURB & GUTTER
	WEST FRONTAGE ROAD NORTH							
		4864+92	-	4868+06	LT	316	13	
		4864+92	-	4868+06	LT	--	53	CORRUGATED MEDIAN
		4865+47	-	4865+58	RT	--	14	CURB & GUTTER
		4866+31	-	4867+54	RT	197	3	
		4866+33	-	4866+72	RT	40	3	DRIVEWAY
		4867+52	-	4867+92	RT	51	--	DRIVEWAY
			4868+00		LT/RT	49	--	NORTH LIMITS
			4868+06		LT/RT	--	5	CURB & GUTTER
	EAST FRONTAGE ROAD SOUTH							
		3852+18	-	3850+83	LT/RT	--	5	
			3852+25		RT	25	--	SOUTH LIMITS
			3852+25		LT	25	--	SOUTH LIMITS
		3852+74	-	3853+84	LT	110	--	MEDIAN
		3852+89	-	3853+81	LT	92	--	DRIVEWAY
		3853+06	-	3853+42	RT	--	5	DRIVEWAY
		3853+82	-	3855+58	LT	--	155	CURB & GUTTER
		3855+58	-	3858+30	LT	217	60	
		3855+70	-	3855+96	LT	30	5	DRIVEWAY
		3856+53	-	3858+17	LT	--	222	
		3857+53	-	3858+36	LT	--	119	CURB & GUTTER
		3858+15	-	3858+36	RT	--	49	CURB & GUTTER
	EAST FRONTAGE ROAD NORTH							
		5859+70	-	5863+12	LT/RT	137	237	
		5859+71	-	5861+80	LT	--	209	CURB & GUTTER
		5861+30	-	5861+84	LT	--	67	
		5861+68	-	5862+20	LT	49	5	DRIVEWAY
		5861+85	-	5862+23	RT	33	5	DRIVEWAY
		5862+52	-	5863+12	RT	--	5	CURB & GUTTER
		5862+59	-	5863+17	LT	67	5	DRIVEWAY
			5863+16		LT/RT	61	5	NORTH LIMITS
			5863+16		LT/RT	37	--	NORTH LIMITS
	PARKING LOT							
		304+09	-	305+75	LT	--	5	CURB & GUTTER
TOTALS						9,720	7,397	

3

EARTHWORK

CATEGORY	STAGE	ROADWAY	FROM / TO STATION	205.0100 (1) EXCAVATION COMMON CY	SPV.0035.008 (2)(5) EBS EXCAVATION CY	SPV.0035.009 EBS BACKFILL CY	SPV.0035.006 (3) ROADWAY EMBANKMENT CY	SPV.0195.011 SOIL DRYING TREATMENT TON	SPV.0195.012 SUBGRADE STRENGTHENING TREATMENT TON	(4) MASS ORDINATE +/-
1000	1	TEMPORARY	265+07 to 339+92	6,621	0	0	2,684	0	0	3,937
		SUBTOTALS STAGE 2		6,621	0	0	2,684	0	0	3,937
1000	2	STH 20	265+07 to 336+30	44,993	13,498	13,498	8,249	68	675	36,744
		RAMP NW	864+09 to 868+51	1,381	414	414	693	2	21	687
		RAMP SE	855+90 to 860+50	3,922	1,176	1,176	26	6	59	3,895
		RAMP SW	858+57 to 862+03	2,698	809	809	413	4	40	2,285
		RAMP NE	862+11 to 867+00	5,758	1,727	1,727	799	9	86	4,959
		WEST FRONTAGE ROAD	2857+00 to 4868+00	3,662	1,099	1,099	881	6	55	2,781
		EAST FRONTAGE RAOD	3852+25 to 5863+14	4,896	1,469	1,469	220	7	73	4,676
		RED CLOUD	269+77 to 272+69	151	45	45	909	0	2	-759
		SUBTOTALS STAGE 3		67,461	20,238	20,238	12,192	101	1,011	55,269
1000	3	STH 20	265+07 to 336+30	46,633	13,990	13,990	5,718	70	699	40,915
		RAMP NW	864+09 to 868+51	1,100	330	330	18	2	17	1,082
		RAMP SE	855+90 to 860+50	1,983	595	595	0	3	30	1,983
		WEST FRONTAGE ROAD	2857+00 to 4868+00	4,692	1,408	1,408	259	7	70	4,433
		EAST FRONTAGE ROAD	3852+25 to 5863+14	5,553	1,666	1,666	59	8	83	5,494
		SUBTOTALS STAGE 4		59,962	17,989	17,989	6,055	90	899	53,907
		GRAND TOTALS		134,044	38,227	38,227	20,931	191	1,910	113,112

NOTES:

1) Cut Volume Includes Concrete and Asphaltic Surface Material.
2) EBS Excavation to be backfilled with EBS Backfill. All EBS material is assumed to be wasted offsite.
3) Roadway Embankment = Unexpanded Fill
4) The Mass Ordinate + or - quantity is calculated by stage. A positive quantity indicates an excess of material within the stage and a negative number indicates a shortage of material within the stage. Mass Ordinate = Cut-Embankment. The mass ordinate is for informational purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes and does not guarantee the quality of Common Excavation, and if it can be reused onsite.
5) Geogrid Type SR is to be used in locations of EBS backfill. Quantity is listed elsewhere.

BASE AGGREGATE ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	305.0115 BASE AGGREGATE DENSE 3/4-INCH CY	305.0125 BASE AGGREGATE DENSE 1 1/4-INCH CY	312.0115 SELECT CRUSHED MATERIAL CY
1000	1A	STH 20 - TEMPORARY PAVEMENT							
			265+07	-	336+26	RT	--	5,378	--
		RAMP NW - TEMPORARY PAVEMENT							
			863NW+75	-	864NW+34	RT	--	24	--
		RAMP SE - TEMPORARY PAVEMENT							
			860SE+53	-	860SE+96	LT/RT	--	22	--
		WEST FRONTAGE ROAD SOUTH - TEMPORARY PAVEMENT							
			2862+96	-	2864+73	LT/RT	--	144	--
		WEST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT							
			4865+47	-	4866+29	RT	--	41	--
		EAST FRONTAGE ROAD SOUTH - TEMPORARY PAVEMENT							
			3849+37	-	3858+30	LT/RT	--	364	--
		EAST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT							
			5861+30	-	5863+15	LT/RT	--	50	--
		STAGE 1A SUBTOTAL					--	6,023	--
1000	1B	STH 20 - TEMPORARY PAVEMENT							
			265+07	-	336+26	LT/RT	--	4,234	--
		WEST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT							
			4865+08	-	4867+43	LT	--	33	--
		STAGE 1B SUBTOTAL					--	4,267	--
1000	2	STH 20							
			260+64	-	278+00	LT/RT	18	1,584	3,371
			265+71	-	266+04	LT	6	--	--
			278+00	-	310+00	LT/RT	20	4,984	11,550
			278+37	-	278+85	LT	15	--	--
			282+80	-	283+16	LT	8	--	--
			308+44	-	309+64	LT	15	--	--
			310+00	-	330+30	LT/RT	35	3,551	7,368
			327+90	-	329+37	LT	--	87	--
			330+30	-	336+30	LT	--	338	--
		RAMP SW							
			858SW+57	-	862SW+77	LT/RT	2	294	625
		RAMP NW							
			863NW+81	-	868NW+51	LT/RT	7	425	814
		RAMP SE							
			855SE+90	-	860SE+88	RT	--	478	1,040
		RAMP NE							
			861NE+76	-	867NE+00	LT/RT	16	677	1,307

BASE AGGREGATE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	305.0115 BASE AGGREGATE DENSE 3/4-INCH CY	305.0125 BASE AGGREGATE DENSE 1 1/4-INCH CY	312.0115 SELECT CRUSHED MATERIAL CY
1000		WEST FRONTAGE ROAD SOUTH							
			2857+00	-	2864+58	LT	11	733	1,689
			2858+73	-	2859+50	RT	47	--	--
		WEST FRONTAGE ROAD NORTH							
			4864+82	-	4868+06	LT/RT	--	407	973
			4866+33	-	4866+78	RT	20	--	--
			4867+24	-	4867+54	RT	21	--	--
		EAST FRONTAGE ROAD SOUTH							
			3849+39	-	3858+30	LT/RT	--	476	1,185
			3853+01	-	3853+48	RT	13	--	--
			3854+98	-	3855+56	RT	17	--	--
		EAST FRONTAGE ROAD NORTH							
			5859+60	-	5863+16	LT/RT	--	529	1,274
			5860+02	-	5860+12	RT	12	--	--
			5861+69	-	5863+14	LT	28	--	--
			5861+81	-	5862+28	RT	15	--	--
		RED CLOUD DRIVE							
			269+77	-	270+56	LT/RT	--	68	141
			271+59	-	272+69	LT/RT	2	187	391
		STH 20 - TEMPORARY PAVEMENT							
			265+43	-	330+30	LT/RT	--	1,315	683
		WEST FRONTAGE ROAD SOUTH - TEMPORARY PAVEMENT							
			2865+03	-	2865+20	LT	--	6	--
		WEST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT							
			4864+88	-	4865+19	LT/RT	--	23	--
		EAST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT							
			5859+84	-	5863+13	LT/RT	--	24	--
		STAGE 2 SUBTOTAL					328	16,186	32,411
1000	3	STH 20							
			260+64	-	278+00	RT	11	1,632	3,562
			268+99	-	269+22	RT	2	--	--
			270+57	-	270+81	RT	2	--	--
			271+18	-	271+37	RT	2	--	--
			278+00	-	310+00	LT/RT	9	4,513	10,532
			278+30	-	278+83	RT	20	--	--
			310+00	-	330+30	LT/RT	14	2,159	4,625
			322+88	-	323+97	RT	--	203	--

(CONTINUED ON NEXT SHEET)

BASE AGGREGATE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	305.0115 BASE AGGREGATE DENSE 3/4-INCH CY	305.0125 BASE AGGREGATE DENSE 1 1/4-INCH CY	312.0115 SELECT CRUSHED MATERIAL CY
		RAMP SW							
			858SW+57	-	862SW+77	LT/RT	--	140	325
		RAMP NW							
			863NW+81	-	868NW+51	RT	--	235	607
		RAMP SE							
			855SE+90	-	860SE+88	LT	--	254	624
		WEST FRONTAGE ROAD SOUTH							
			2857+00	-	2864+58	LT/RT	3	821	1,993
			2858+74	-	2859+49	RT	39	--	--
		WEST FRONTAGE ROAD NORTH							
			4864+82	-	4868+06	LT/RT	--	152	368
			4867+54	-	4837+92	RT	16	--	--
		EAST FRONTAGE ROAD SOUTH							
			3849+39	-	3858+30	LT/RT	--	870	2,080
			3852+73	-	3823+94	LT	19	--	--
			3855+70	-	3855+99	LT	6	--	--
		EAST FRONTAGE ROAD NORTH							
			5860+11	-	5863+16	LT/RT	--	281	663
		RED CLOUD DRIVE							
			269+77	-	270+56	LT/RT	--	101	227
			271+59	-	272+69	LT/RT	--	65	148
		STAGE 3 SUBTOTAL					143	11,426	25,754
1000	4A	WEST FRONTAGE ROAD NORTH							
			4864+82	-	4868+06	LT	--	86	225
		STAGE 4A SUBTOTAL					--	86	225
		TOTALS					471	37,988	58,390

(CONTINUED ON NEXT SHEET)

ASPHALTIC PAVEMENT ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	614.0396 GUARDRAIL MOW STRIP ASPHALT TON
1000	1A	INTERNATIONAL DRIVE										
			111+75	-	135+58	LT/RT	--	--	1,687	--	--	--
		STH 20 - TEMPORARY PAVEMENT										
			265+07	-	336+26	RT	1,901	--	1,901	--	--	--
		RAMP NW - TEMPORARY PAVEMENT										
			863NW+75	-	864NW+34	RT	12	--	12	--	--	--
		RAMP SE - TEMPORARY PAVEMENT										
			860SE+53	-	860SE+96	LT/RT	11	--	11	--	--	--
		WEST FRONTAGE ROAD SOUTH - TEMPORARY PAVEMENT										
			2862+96	-	2864+73	LT/RT	44	--	44	--	--	--
		WEST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT										
			4865+47	-	4866+29	RT	6	--	6	--	--	--
		EAST FRONTAGE ROAD SOUTH - TEMPORARY PAVEMENT										
			3849+37	-	3858+30	LT/RT	163	--	163	--	--	--
		EAST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT										
			5861+30	-	5863+15	LT/RT	26	--	26	--	--	--
		STAGE 1A SUBTOTAL					2,163	--	3,850	--	--	--
1000	1B	STH 20 - TEMPORARY PAVEMENT										
			265+07	-	336+26	LT/RT	1,426	--	1,426	--	--	--
		WEST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT										
			4865+08	-	4867+43	LT	17	--	17	--	--	--
		STAGE 1B SUBTOTAL					1,443	--	1,443	--	--	--
1000	2	STH 20										
			265+71	-	266+04	LT	--	--	--	--	6	--
			278+37	-	278+85	LT	--	--	--	--	25	--
			282+80	-	283+16	LT	--	--	--	--	13	--
			308+44	-	309+64	LT	--	--	--	--	--	90
			327+90	-	329+37	LT	74	27	--	--	--	--
			330+30	-	336+30	LT	288	105	--	--	--	--

(CONTINUED ON NEXT SHEET)

ASPHALTIC PAVEMENT ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	614.0396 GUARDRAIL MOW STRIP ASPHALT TON
1000	2	WEST FRONTAGE ROAD NORTH										
			4866+33	-	4866+78	RT	--	--	--	--	27	--
			4867+24	-	4867+54	RT	--	--	--	--	30	--
		EAST FRONTAGE ROAD SOUTH										
			3853+01	-	3853+48	RT	--	--	--	--	19	--
			3854+98	-	3855+56	RT	--	--	--	--	26	--
		EAST FRONTAGE ROAD NORTH										
			5861+69	-	5863+14	LT	--	--	--	--	27	--
			5861+81	-	5862+28	RT	--	--	--	--	22	--
		STH 20 - TEMPORARY PAVEMENT										
			265+43	-	330+30	LT/RT	416	--	416	--	--	--
		WEST FRONTAGE ROAD SOUTH - TEMPORARY PAVEMENT										
			2865+03	-	2865+20	LT	3	--	3	--	--	--
		WEST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT										
			4864+88	-	4865+19	LT/RT	12	--	12	--	--	--
		EAST FRONTAGE ROAD NORTH - TEMPORARY PAVEMENT										
			5859+84	-	5863+13	LT/RT	12	--	12	--	--	--
		STAGE 2 SUBTOTAL					805	132	443	--	195	90
1000	3	STH 20										
			278+30	-	278+83	RT	--	--	--	--	34	--
			322+88	-	323+97	RT	173	63	--	--	--	--
		WEST FRONTAGE ROAD SOUTH										
			2858+74	-	2859+49	RT	--	--	--	--	65	--
		WEST FRONTAGE ROAD NORTH										
			4867+54	-	4837+92	RT	--	--	--	--	26	--
		EAST FRONTAGE ROAD SOUTH										
			3852+73	-	3823+94	LT	--	--	--	--	32	--
			3855+70	-	3855+99	LT	--	--	--	--	10	--
		STAGE 3 SUBTOTAL					173	63	--	--	167	--
1000	4A	STH 20										
			260+64	-	262+66	LT/RT	--	--	--	48	--	--
		STAGE 4A SUBTOTAL					--	--	--	48	--	--
		TOTALS					4,584	195	5,736	48	362	90

CONCRETE ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	415.0095 CONCRETE PAVEMENT 9 1/2-INCH SY	415.0105 CONCRETE PAVEMENT 10 1/2-INCH SY	415.0115 CONCRETE PAVEMENT 11 1/2-INCH SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0190 CONCRETE DRIVEWAY 9-INCH SY	416.0620 DRILLED DOWEL BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	620.0100 CONCRETE BARRIER TYPE S42 LF	620.0100 CONCRETE CORRUGATED MEDIAN SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF
1000	2	STH 20																		
			260+64	-	278+00	LT/RT	--	--	7,094	--	--	35	--	--	--	--	--	--	67	--
			278+00	-	310+00	LT/RT	--	--	23,507	--	--	--	--	4,125	--	--	--	--	369	--
			310+00	-	330+30	LT/RT	--	--	14,453	--	--	23	3	2,428	20	--	--	--	497	39
		RAMP SW																		
			858SW+57	-	862SW+77	LT/RT	--	1,017	--	--	--	24	--	--	--	--	--	--	--	--
		RAMP NW																		
			863NW+81	-	868NW+51	LT/RT	--	1,340	--	--	--	14	--	215	--	--	223	--	56	38
		RAMP SE																		
			855SE+90	-	860SE+88	RT	--	1,657	--	--	--	15	--	493	--	--	--	--	56	--
		RAMP NE																		
			861NE+76	-	867NE+00	LT/RT	--	2,600	--	--	--	26	2	--	--	--	--	--	--	--
		WEST FRONTAGE ROAD SOUTH																		
			2857+00	-	2864+58	LT/RT	3,243	--	--	--	--	--	--	--	--	--	--	--	--	--
			2858+73	-	2859+50	RT	--	--	--	--	209	--	--	--	--	--	--	--	--	--
		WEST FRONTAGE ROAD NORTH																		
			4864+82	-	4868+06	LT/RT	1,771	--	--	--	--	--	--	--	--	--	--	--	56	--
		EAST FRONTAGE ROAD SOUTH																		
			3849+39	-	3858+30	LT/RT	2,348	--	--	--	--	--	--	--	--	--	--	--	168	--
		EAST FRONTAGE ROAD NORTH																		
			5859+60	-	5863+16	LT/RT	2,283	--	--	--	--	--	--	224	--	--	--	--	113	76
		RED CLOUD DRIVE																		
			269+77	-	270+56	LT/RT	--	--	222	--	--	--	--	119	--	--	--	--	--	--
			271+59	-	272+69	LT/RT	--	--	693	--	--	--	--	844	30	36	--	--	112	38
		STAGE 2 SUBTOTAL					9,645	6,614	45,969	--	209	137	5	8,448	50	36	223	--	1,685	
1000	3	STH 20																		
			260+64	-	278+00	RT	--	--	6,824	--	--	29	1	--	--	--	--	--	63	--
			268+99	-	269+22	RT	--	--	--	18	--	--	--	--	--	--	--	--	--	--
			270+57	-	270+81	RT	--	--	--	16	--	--	--	--	--	--	--	--	--	--
			271+18	-	271+37	RT	--	--	--	13	--	--	--	--	--	--	--	--	--	--
			278+00	-	310+00	LT/RT	--	--	21,080	--	--	--	--	6,622	--	--	--	--	696	22
			310+00	-	330+30	LT/RT	--	--	9,281	--	--	--	--	1,986	20	--	--	--	368	29
		RAMP SW																		
			858SW+57	-	862SW+77	LT/RT	--	593	--	--	--	--	--	137	--	--	--	--	57	42
		RAMP NW																		
			863NW+81	-	868NW+51	RT	--	1,308	--	--	--	22	--	--	--	--	129	--	--	--
		RAMP SE																		
			855SE+90	-	860SE+88	LT	--	1,313	--	--	--	14	--	900	--	--	--	--	--	38

(CONTINUED ON NEXT SHEET)

CONCRETE ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	415.0095 CONCRETE PAVEMENT 9 1/2-INCH SY	415.0105 CONCRETE PAVEMENT 10 1/2-INCH SY	415.0115 CONCRETE PAVEMENT 11 1/2-INCH SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.0190 CONCRETE DRIVEWAY 9-INCH SY	416.0620 DRILLED DOWEL BARS EACH	416.1010 CONCRETE SURFACE DRAINS CY	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	620.0100 CONCRETE BARRIER TYPE S42 LF	620.0100 CONCRETE CORRUGATED MEDIAN SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 1 SF	620.0300 CONCRETE MEDIAN SLOPED NOSE TYPE 2 SF
1000	3	WEST FRONTAGE ROAD SOUTH																		
			2857+00	-	2864+58	LT/RT	3,850	--	--	--	--	--	--	1,246	--	--	--	--	224	76
		WEST FRONTAGE ROAD NORTH																		
			4864+82	-	4868+06	LT/RT	686	--	--	--	--	--	--	386	--	--	--	--	--	--
		EAST FRONTAGE ROAD SOUTH																		
			3849+39	-	3858+30	LT/RT	3,767	--	--	--	--	--	--	2,706	--	--	--	--	246	58
		EAST FRONTAGE ROAD NORTH																		
			5860+11	-	5863+16	LT/RT	1,223	--	--	--	--	--	--	1,608	--	--	--	--	56	--
		RED CLOUD DRIVE																		
			269+77	-	270+56	LT/RT	--	--	437	--	--	--	--	484	20	24	--	--	112	38
			271+59	-	272+69	LT/RT	--	--	280	--	--	--	--	242	--	--	--	--	--	--
		STAGE 3 SUBTOTAL					9,526	3,214	37,902	47	--	65	1	16,317	40	24	129	--	2,125	
1000	4A	STH 20																		
			260+64	-	278+00	LT/RT	--	--	--	--	--	--	--	--	--	--	--	--	199	--
			278+00	-	310+00	LT	--	--	--	--	--	--	--	986	--	--	--	--	467	--
			310+00	-	330+30	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		WEST FRONTAGE ROAD NORTH																		
			4864+82	-	4868+06	LT/RT	306	--	--	--	--	--	--	--	--	--	--	1,698	70	--
		EAST FRONTAGE ROAD SOUTH																		
			3849+39	-	3858+30	LT	--	--	--	--	--	--	--	714	--	--	--	--	--	--
		STAGE 4A SUBTOTAL					306	--	--	--	--	--	--	1,700	--	--	--	1,698	736	
1000	4B	RAMP NE																		
			861NE+76	-	867NE+00	RT	--	--	--	--	--	--	--	241	--	--	--	--	57	39
		WEST FRONTAGE ROAD NORTH																		
			4864+82	-	4868+06	LT/RT	--	--	--	--	--	--	--	220	--	--	--	--	113	77
		EAST FRONTAGE ROAD NORTH																		
			5860+11	-	5863+16	RT	115	--	--	--	--	--	--	319	--	--	--	--	67	--
		STAGE 4B SUBTOTAL					115	--	--	--	--	--	--	780	--	--	--	--	353	
		TOTALS					19,592	9,828	83,871	47	209	202	6	27,245	90	60	352	1,698	4,899	

CONCRETE CURB & GUTTER ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	416.0610 DRILLED TIE BARS LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	SPV.0090.XXXX CONCRETE CURB & GUTTER 4-INCH SLOPED 60-INCH TYPE A LF	SPV.0090.XXXX CONCRETE CURB & GUTTER 6-INCH SLOPED 24-INCH TYPE A LF
1000	2	STH 20													
			260+64	-	278+00	LT/RT	--	--	--	--	--	493	--	--	--
			278+00	-	310+00	LT/RT	--	--	--	--	--	3,463	--	--	--
			310+00	-	330+30	LT/RT	--	--	--	--	--	2,787	--	--	--
		RAMP SW													
			858SW+57	-	862SW+77	LT	--	--	--	--	210	24	--	--	--
		RAMP NW													
			863NW+81	-	868NW+51	LT/RT	--	--	--	--	--	542	--	--	--
		RAMP SE													
			855SE+90	-	860SE+88	LT/RT	--	--	--	--	718	502	--	306	--
		RAMP NE													
			861NE+76	-	867NE+00	LT/RT	--	--	--	--	--	203	--	--	--
		WEST FRONTAGE ROAD SOUTH													
			2857+00	-	2864+58	LT/RT	--	112	--	--	--	744	--	--	54
		WEST FRONTAGE ROAD NORTH													
			4864+82	-	4868+06	LT/RT	--	--	--	--	--	626	77	--	--
		EAST FRONTAGE ROAD SOUTH													
			3849+39	-	3858+30	RT	--	--	32	8	--	589	--	--	--
		EAST FRONTAGE ROAD NORTH													
			5860+11	-	5863+16	LT/RT	--	--	--	336	--	903	10	--	--
		RED CLOUD DRIVE													
			269+77	-	270+56	LT/RT	--	--	--	--	--	152	--	--	--
			271+59	-	272+69	LT/RT	--	--	--	--	--	290	--	--	--
		STAGE 2 SUBTOTAL					--	112	32	344	928	11,318	87	306	54
1000	3	STH 20													
			260+64	-	278+00	RT	--	--	--	--	--	1,893	--	--	--
			278+00	-	310+00	LT/RT	--	--	--	--	--	4,162	--	--	--
			310+00	-	330+30	LT/RT	--	--	--	--	--	1,550	--	--	--
		RAMP SW													
			858SW+57	-	862SW+77	LT/RT	--	--	--	--	--	231	--	--	--
		RAMP SE													
			855SE+90	-	860SE+88	LT/RT	--	--	--	--	--	141	--	--	--

(CONTINUED ON NEXT SHEET)

CONCRETE CURB & GUTTER ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	416.0610 DRILLED TIE BARS LF	601.0405 CONCRETE CURB & GUTTER 18-INCH TYPE A LF	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0551 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A LF	601.0555 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	601.0557 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D LF	SPV.0090.XXXX CONCRETE CURB & GUTTER 4-INCH SLOPED 60-INCH TYPE A LF	SPV.0090.XXXX CONCRETE CURB & GUTTER 6-INCH SLOPED 24-INCH TYPE A LF
1000	3	WEST FRONTAGE ROAD SOUTH													
			2857+00	-	2864+58	LT/RT	--	--	61	42	--	204	--	--	1,004
		WEST FRONTAGE ROAD NORTH													
			4864+82	-	4868+06	LT	--	--	--	--	--	54	35	--	--
		EAST FRONTAGE ROAD SOUTH													
			3849+39	-	3858+30	LT/RT	--	--	30	--	--	907	--	--	--
		EAST FRONTAGE ROAD NORTH													
			5860+11	-	5863+16	LT/RT	--	--	--	--	--	551	--	--	--
		RED CLOUD DRIVE													
			269+77	-	270+56	LT	--	--	--	--	--	121	--	--	--
			271+59	-	272+69	LT	--	--	--	--	--	84	--	--	--
		STAGE 3 SUBTOTAL					--	--	91	42	--	9,898	35	--	1,004
1000	4A	STH 20													
			260+64	-	278+00	LT/RT	211	--	--	--	--	1,537	--	--	--
			278+00	-	310+00	LT/RT	--	--	--	--	--	1,517	--	--	--
		WEST FRONTAGE ROAD NORTH													
			4864+82	-	4868+06	LT	--	--	--	--	--	5	--	--	--
		EAST FRONTAGE ROAD SOUTH													
			3849+39	-	3858+30	LT	--	--	--	--	--	301	--	--	--
		STAGE 4A SUBTOTAL					211	--	--	--	--	3,360	--	--	--
1000	4B	RAMP NE													
			861NE+76	-	867NE+00	RT	--	--	--	--	--	61	--	--	--
		WEST FRONTAGE ROAD NORTH													
			4864+82	-	4868+06	LT/RT	--	--	--	--	--	70	--	--	--
		EAST FRONTAGE ROAD NORTH													
			5860+11	-	5863+16	LT/RT	--	--	--	--	--	84	--	--	--
		STAGE 4B SUBTOTAL					--	--	--	--	--	215	--	--	--
		TOTALS					211	112	123	386	928	24,791	122	306	1,058

3

STORM SEWER GENERALNOTES

1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE.
2) STATIONS AND OFFSETS ARE TO THE APRON END OF ENDWALLS.
STATION AND OFFSETS ARE TO THE FLANGE LINE FOR STRUCTURES IN THE ROADWAY WITH INLET GRATES, AND TO THE CENTER OF STRUCTURE FOR FIELD INLETS AND MANHOLES WITH SOLID LIDS.
3) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES.
4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES
5) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING HEIGHT - ADJUSTMENT
CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR TYPE H COVERS; 0.83 FT FOR TYPE V COVERS; 0 FT FOR TYPE MS COVERS
ADJUSTMENT (RINGS) = 0.33 FT FOR J, H AND V COVERS; 0 FT FOR TYPE MS COVERS
6) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE V INLET COVERS
7) FLAT TOP SLAB WITH CENTERED 21" X 24" RECTANGULAR OPENING REQUIRED ON TYPE 3 INLETS WITH TYPE V INLET COVERS
8) FLAT TOP SLAB WITH CENTERED 24" X 36" RECTANGULAR OPENING REQUIRED ON MANHOLES WITH TYPE HM INLET COVERS
9) REMOVAL OF SEALING PIPE (BRICK, BLOCK, MORTAR, PLASTER) TO BE INCIDENTAL TO STORM SEWER INSTALLATION

STORM SEWER ITEMS

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.0001 MANHOLES 9-FT DIAMETER EACH	SPV.0060.0002 MANHOLES 10-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3253 INLETS 2.5X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH	RIM OR FLANGE ELEV	STR DEPTH FT	FROM STR	TO STR	INVERT ELEVATION INLET ELEV	INVERT ELEVATION DISCHARGE ELEV	SLOPE
	STH 20																									
1000	101	265+65	54.99	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	779.93	3.60	101	102	775.50	774.75	1.19%
1000	102	265+65	10.79	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	779.54	4.46	102	104	774.25	772.50	0.76%
1000	103	268+00	57.69	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	776.37	3.59	103	104	771.95	771.25	0.98%
1000	104	268+00	16.95	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	776.31	4.48	104	107	771.00	769.25	0.72%
1000	105	270+38	20.13	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	773.23	3.80	105	107	768.60	768.50	0.71%
1000	106	270+43	60.16	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	772.64	3.61	106	107	768.20	767.75	0.66%
1000	107	270+44	5.38	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	773.48	5.15	107	109	767.50	766.30	0.65%
1000	108	272+26	61.00	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	770.60	3.62	108	109	766.15	765.55	0.80%
1000	109	272+26	14.00	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	770.60	4.47	109	110	765.30	764.99	0.41%
1000	110	272+26	96.50	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	764.99	--	--
1000	111	275+25	15.86	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.09	4.49	111	112	760.77	759.86	2.46%
1000	112	275+25	23.17	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	766.19	5.50	112	115	759.86	757.25	0.87%
1000	113	277+98	91.77	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	113	114	758.92	757.30	1.86%
1000	114	278+25	2.05	RT	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	762.50	4.47	114	115	757.20	757.10	0.59%
1000	115	278+25	15.64	LT	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	762.47	4.54	115	117	757.10	757.00	0.13%
1000	116	277+85	93.45	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	116	117	758.35	757.50	2.66%
1000	117	278+24	90.00	LT	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	760.74	2.67	117	118	757.00	756.65	0.25%
1000	118	279+61	90.00	LT	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	759.37	1.70	118	119	756.60	756.56	0.67%
1000	119	279+66	102.61	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	756.56	--	--
1000	120	279+49	24.00	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	762.40	4.57	120	121	757.00	756.90	0.40%
1000	121	279+24	23.74	LT	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--	762.38	4.65	121	118	756.90	756.60	0.39%
1000	124	279+24	19.94	RT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	762.52	4.59	124	121	757.10	756.90	0.48%
1000	125	279+49	21.00	RT	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	762.56	4.53	125	124	757.20	757.10	0.40%
1000	126	279+24	78.00	RT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	762.04	3.92	126	124	757.29	757.10	0.31%
1000	127	279+49	78.00	RT	--	--	--	--	--	--	--	--	1	--	--	1	--	--	--	762.06	3.73	127	126	757.50	757.29	0.84%
1000	128	279+24	97.24	RT	--	--	--	--	--	--	--	--	--	1	--	--	1	--	--	760.14	2.62	128	126	757.35	757.29	0.32%
1000	129	282+85	5.00	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.85	5.12	129	120	759.90	756.60	0.98%
1000	130	283+14	5.00	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	764.53	3.70	130	129	760.00	759.90	0.32%
1000	131	283+06	21.00	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.01	4.03	131	130	760.15	760.00	0.58%
1000	132	283+33	78.00	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	764.73	3.55	132	131	760.35	760.15	0.31%
1000	133	285+15	24.00	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	766.61	4.78	133	130	761.00	760.00	0.50%
1000	134	285+15	1.53	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.32	4.39	134	133	761.10	761.00	0.48%
1000	135	285+18	12.21	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.62	4.59	135	134	761.20	761.10	0.59%
1000	136	285+18	21.00	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.79	4.71	136	135	761.25	761.20	0.71%
1000	137	285+18	78.00	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.29	3.96	137	136	761.50	761.25	0.42%
	SUBTOTAL				4	5	2	1	2	--	4	10	2	1	2	28	1	--	--							
	STH 20																									
1000	601	307+68	32.00	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	767.52	5.34	601	602	761.35	759.99	1.46%
1000	602	307+68	131.02	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	759.99	--	--
1000	603	310+75	21.00	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.60	2.52	603	604	763.25	763.03	0.32%
1000	604	310+75	96.39	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	763.03	--	--
1000	605	310+75	31.92	1	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.60	5.27	605	606	760.50	758.47	2.21%
1000	606	310+75	129.90	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	758.47	--	--
6000	609	314+54	21.00	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	764.75	5.17	609	610	758.75	758.45	0.71%
6000	610	314+54	22.58	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	764.75	5.72	610	612	758.20	756.85	0.95%
1000	611	315+96	12.38	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	763.88	6.45	611	612	756.60	756.45	2.14%
1000	612	315+95	21.00	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	764.05	7.02	612	613	756.20	755.66	0.61%
1000	613	315+95	114.70	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	755.66	--	--
1000	614	318+50	117.58	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	755.10	0.00	614	615	755.10	754.15	0.85%
1000	615	318+50	0.36	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	762.38	7.65	615	616	753.90	753.65	1.39%
1000	616	318+50	19.54	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	762.78	8.55	616	617	753.40	752.32	1.12%
1000	617	318+50	121.52	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	752.32	--	--
6000	618	321+97	89.80	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	762.21	3.58	618	619	757.80	757.65	1.67%
6000	619	321+87	91.33	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	762.12	3.89	619	620	757.40	756.30	1.13%
6000	620	321+24	21.00	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	761.47	4.59	620	621	756.05	755.85	2.50%
6000	621	321+24	11.00	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	761.36	4.93	621	622	755.60	755.20	1.18%
6000	622	321+01	11.00	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	761.43	5.65	622	623	754.95	754.85	1.25%
6000	623	321+01	19.97	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	761.56	6.13	623	624	754.60	753.49	1.05%
6000	624	320+38	112.89	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	753.49	--	--
1000/6000	625	324+70	1.81	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	759.39	2.42	625	626	756.14	756.03	0.28%
1000	626	324+32	12.46	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	759.79	2.93	626	627	756.03	756.00	0.43%
1000	627	324+32	21.00	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	759.97	3.14	627	628	756.00	755.88	0.17%
1000	628	324+32	97.43	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	755.88	--	--
	SUBTOTAL				1	2	--	--	--	--	8	7	--	--	--	18	--	--	--							

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.0001 MANHOLES 9-FT DIAMETER EACH	SPV.0060.0002 MANHOLES 10-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3253 INLETS 2.5X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH	RIM OR FLANGE ELEV	STR DEPTH FT	FROM STR	TO STR	INVERT ELEVATION INLET ELEV	INVERT ELEVATION DISCHARGE ELEV	SLOPE
	EAST FRONTAGE ROAD SOUTH																				EAST FRONTAGE ROAD SOUTH					
1000	501	3852+55	54.90	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	772.35	3.02	501	502	768.50	768.20	0.55%
1000	502	3852+85	10.45	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	773.30	4.52	502	503	767.95	767.85	1.11%
1000	503	3852+86	1.80	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	772.83	4.50	503	504	767.50	767.30	0.65%
1000	504	3852+85	28.00	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	772.31	4.43	504	508	767.05	764.95	1.05%
1000	505	3854+24	57.76	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	771.03	4.30	505	506	765.90	765.35	0.77%
1000	506	3854+80	18.71	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	770.77	4.84	506	507	765.10	765.00	0.48%
1000	507	3855+00	11.76	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	770.91	5.33	507	508	764.75	764.20	1.22%
1000	508	3854+85	28.00	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	770.33	5.55	508	509	763.95	762.75	0.73%
1000	509	3856+56	28.00	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	767.87	4.79	509	515	762.25	761.30	0.63%
1000	510	3857+92	55.02	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	766.55	4.92	510	515	760.80	760.55	0.71%
1000	511	3857+99	97.40	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	765.83	2.90	511	512	762.10	761.85	0.58%
1000	512	3858+15	58.00	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.61	4.18	512	513	761.60	761.40	0.67%
1000	513	3858+09	31.00	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.74	4.76	513	514	761.15	761.10	0.62%
1000	514	3858+09	21.00	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	766.75	5.07	514	515	760.85	760.55	0.58%
1000	515	3858+13	28.00	RT	--	--	--	--	--	1	--	--	--	--	--	1	--	--	--	766.72	5.59	515	519A	760.30	759.50	0.70%
1000	516	3858+83	66.62	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	767.27	5.19	516	517	761.25	761.00	2.27%
1000	517	3858+95	69.92	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.39	5.06	517	518	760.50	760.40	0.48%
	EAST FRONTAGE ROAD NORTH																				EAST FRONTAGE ROAD NORTH					
1000	518	5858+97	70.75	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.79	5.81	518	519	760.15	760.00	0.88%
1000	519	5859+16	70.76	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	767.02	6.44	519	519A	759.75	759.50	1.92%
1000	519A	5859+14	58.16	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	766.97	7.72	519A	520A	759.25	758.50	0.87%
1000	520	5860+05	73.29	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.36	5.53	520	520A	760.00	759.00	2.94%
1000	520A	5859+98	41.00	RT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	766.10	7.85	520A	527A	758.25	756.75	0.88%
1000	521	5859+95	82.48	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.71	4.38	521	522	760.50	759.65	1.04%
1000	522	5859+94	2.06	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.77	6.54	522	523	759.40	759.25	1.36%
1000	523	5859+94	10.06	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	766.83	7.00	523	520A	759.00	758.50	1.52%
1000	524	5863+04	40.21	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.10	4.32	524	527	759.95	759.10	1.98%
1000	525	5863+05	50.95	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	764.09	4.31	525	526	758.95	758.50	1.05%
1000	526	5863+05	10.39	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.27	6.94	526	527	757.50	757.35	1.67%
1000	527	5863+04	0.00	C/L	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	765.12	9.19	527	528	755.10	755.00	0.59%
1000	527A	5861+68	45.00	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	766.46	9.96	527A	527	756.50	755.35	0.80%
1000	528E	5863+20	0.58	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	764.50	--	528E	--	754.75	--	--
	WEST FRONTAGE ROAD SOUTH																				WEST FRONTAGE ROAD SOUTH					
1000	201	2858+00	39.46	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	201	204	774.89	771.00	3.04%
1000	202	2859+33	52.85	RT	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	775.80	4.24	202	204	770.65	770.25	1.54%
1000	203	2859+50	73.97	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	203	204	774.00	772.50	1.56%
1000	204	2859+33	27.15	RT	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	776.89	5.82	204	206	770.00	769.45	0.46%
1000	205	2860+53	47.42	RT	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	775.02	4.21	205	206	769.90	769.30	2.73%
1000	206	2860+54	26.46	RT	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	775.14	5.02	206	207	769.05	766.15	1.63%
1000	207	2862+34	25.33	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	770.77	4.29	207	212	765.65	762.00	1.83%
1000	209	2864+07	199.15	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	770.93	4.60	209	210	765.50	765.00	2.17%
1000	210	2864+29	199.15	RT	--	--	--	--	--	--	1	--	--	--	1	--	--	--	--	767.57	3.50	210	211	763.00	762.50	0.40%
1000	211	2864+30	73.39	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	767.78	4.70	211	212	762.25	762.00	0.45%
1000	212	2864+35	18.00	RT	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	768.32	5.74	212	217	761.75	760.00	1.45%
1000	213	2864+10	81.65	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	768.47	4.29	213	214	763.35	763.00	0.65%
1000	214	2864+00	30.94	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	768.66	5.08	214	215	762.75	762.70	0.62%
1000	215	2864+00	21.86	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	768.59	5.31	215	212	762.45	762.00	0.82%
	WEST FRONTAGE ROAD NORTH																				WEST FRONTAGE ROAD NORTH					
1000	216	4864+47	139.36	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	768.08	4.30	216	217	762.95	760.00	2.76%
1000	217	4864+51	33.36	RT	1	--	--	--	--	--	--	--	--	--	1	--	--	--	--	768.50	7.68	217	219	759.75	758.00	1.39%
1000	219	4865+76	30.21	RT	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	766.55	7.97	219	222	757.75	755.00	1.91%
1000	220	4866+14	0.02	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	765.50	5.47	220	219	759.20	758.75	0.88%
1000	221	4866+14	9.98	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.25	4.92	221	220	759.50	759.45	0.62%
1000	222	4867+15	30.80	RT	--	--	--	--	1	--	--	--	--	--	--	1	--	--	--	763.87	8.79	222	225E	754.25	752.50	1.77%
1000	223	4867+30	42.35	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	760.66	4.33	223	224	755.50	755.25	0.57%
1000	224	4866+94	0.54	RT	--	--	1	--	--	--	--	--	--	--	--	--	--	1	--	763.24	7.16	224	222	755.00	754.50	1.47%
1000	225E	4868+03	11.71	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	760.38	--	225E	--	751.98	--	--
	SUBTOTAL				11	3	2	--	3	1	21	9	--	--	4	43	--	1	2			SUBTOTAL					

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.0001 MANHOLES 9-FT DIAMETER EACH	SPV.0060.0002 MANHOLES 10-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3253 INLETS 2.5X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	611.0666 INLET COVERS TYPE Z EACH	RIM OR FLANGE ELEV	STR DEPTH FT	FROM STR	TO STR	INVERT ELEVATION INLET ELEV	INVERT ELEVATION DISCHARGE ELEV	SLOPE
	RAMP SW																					RAMP SW				
1000	301	859+10	42.95	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	767.40	4.15	301	304	763.25	763.00	2.08%
1000	302	859+29	64.71	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	772.75	6.92	302	304	765.00	762.75	10.23%
1000	303	859+29	17.00	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	768.51	2.88	303	304	764.80	764.50	0.49%
1000	304	859+29	43.00	LT	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	766.30	2.73	304	307	762.50	760.24	0.93%
1000	305	861+48	72.01	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	769.44	5.61	305	307	763.00	760.46	4.45%
1000	306	861+74	17.66	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	764.80	3.22	306	307	760.75	760.46	0.74%
1000	307	861+70	18.67	LT	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--	764.02	2.98	307	309	760.21	759.50	0.47%
1000	308	862+60	95.58	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.50	4.67	308	309	760.00	759.50	0.57%
1000	309	291+99	8.00	RT	--	--	--	--	--	1	--	--	--	--	--	1	--	--	--	765.57	5.34	309	310	759.40	759.20	0.50%
	RAMP NW																					RAMP NW				
1000	310	863+50	11.72	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	765.82	5.89	310	311	759.10	758.60	0.68%
1000	311	864+22	19.26	LT	--	--	--	1	--	--	--	--	--	--	1	--	--	--	--	765.25	5.68	311	313	758.50	758.15	0.46%
1000	311A	864+45	54.68	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.25	4.42	311A	311	760.00	759.00	2.27%
1000	312	864+97	0.00	C/L	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	764.14	5.06	312	313	758.25	758.15	1.43%
1000	313	864+97	8.86	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	763.94	5.06	313	316	758.05	757.80	0.48%
1000	314	865+62	39.00	RT	--	--	--	--	--	--	--	--	--	1	--	--	1	--	--	764.26	5.59	314	315	758.50	758.30	2.50%
1000	315	865+62	30.00	RT	--	--	--	--	--	--	1	--	--	--	--	--	--	1	--	764.38	5.10	315	316	758.20	757.80	0.74%
1000	316	865+47	19.90	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	763.14	4.61	316	317	757.70	757.50	0.43%
1000	317	865+97	41.62	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	757.50	--	--
	RAMP SE																					RAMP SE				
1000	401	856+00	18.00	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	771.55	4.42	401	403	766.30	760.50	2.89%
1000	402	858+00	24.00	LT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	767.65	4.42	402	403	762.40	760.50	3.80%
1000	403	858+00	24.00	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	766.69	5.86	403	404	760.00	758.20	1.03%
1000	404	859+80	40.11	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	761.61	3.08	404	410	757.70	757.35	0.51%
1000	405	859+22	362.52	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	405	408	765.59	759.80	7.72%
1000	406	861+30	305.41	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	764.61	3.88	406	407	759.90	759.80	1.43%
1000	407	861+22	305.02	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	764.77	4.39	407	408	759.55	759.25	0.51%
1000	408	860+65	302.36	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	764.27	4.44	408	409	759.00	758.00	0.49%
1000	409	860+53	98.79	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	762.48	3.90	409	410	757.75	757.35	0.50%
1000	410	860+49	20.36	RT	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	762.50	4.57	410	411	757.10	757.00	0.53%
1000	411	860+50	0.00	C/L	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	762.78	5.20	411	413	756.75	756.15	0.56%
1000	412	860+92	108.46	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	762.53	3.80	412	413	757.90	757.65	2.50%
1000	413	860+91	98.47	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	762.49	5.76	413	414	755.90	755.55	0.55%
1000	414	861+53	95.88	LT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	762.54	6.41	414	417	755.30	755.20	0.71%
1000	415	861+34	29.39	RT	--	--	--	--	--	--	--	1	--	--	--	1	--	--	--	763.13	3.80	415	416	758.50	758.20	1.11%
	RAMP NE																					RAMP NE				
1000	416	861+19	46.77	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	762.68	4.40	416	417	757.45	755.20	1.77%
1000	417	861+19	79.26	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	762.33	6.55	417	424	754.95	754.55	0.54%
1000	418	861+91	89.59	LT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	762.53	3.80	418	424	757.90	757.80	1.67%
1000	419	861+19	390.79	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	764.62	4.39	419	420	759.40	759.25	1.00%
1000	420	861+35	390.71	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	765.00	5.17	420	421	759.00	758.90	1.67%
1000	421	862+01	390.73	RT	1	--	--	--	--	--	--	--	--	--	--	1	--	--	--	764.67	5.19	421	422	758.65	757.10	0.54%
1000	422	862+06	103.86	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	762.92	5.24	422	423	756.85	756.75	1.67%
1000	423	861+96	5.05	RT	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	762.76	5.43	423	424	756.50	754.55	2.27%
1000	424	861+91	79.59	LT	--	1	--	--	--	--	--	--	--	--	--	1	--	--	--	762.49	7.36	424	425	754.30	753.29	0.66%
1000	425	863+60	47.34	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	OUTFALL	--	753.29	--	--
	SUBTOTAL				9	5	1	2	--	1	11	9	--	1	2	35	1	1	--							
	CATEGORY 1000 SUBTOTAL				25	15	5	3	5	2	37	33	2	2	8	115	2	2	2							
	CATEGORY 6000 SUBTOTAL				--	--	--	--	--	--	7	2	--	--	--	9	--	--	--							
	TOTALS				25	15	5	3	5	2	44	35	2	2	8	124	2	2	2							

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.2319 19x30-INCH LF	608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24x38-INCH LF	608.2329 29x45-INCH LF	608.2338 38x60-INCH LF	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH EACH	522.2629 29x45-INCH EACH	522.2638 38x60-INCH EACH	633.5200 MARKERS CULVERT END EACH	NOTES
	STH 20																					
1000	101	265+65	54.99	RT	66	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	102	265+65	10.79	LT	--	236	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	103	268+00	57.69	RT	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	104	268+00	16.95	LT	--	244	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	105	270+38	20.13	LT	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	106	270+43	60.16	RT	68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	107	270+44	5.38	LT	--	184	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	108	272+26	61.00	RT	75	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	109	272+26	14.00	LT	--	76		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	110	272+26	96.50	LT	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
1000	111	275+25	15.86	RT	--	37	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	112	275+25	23.17	LT	--	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	113	277+98	91.77	RT	--	--	--	--	--	--	--	87	--	--	--	--	--	--	--	1	--	1	
1000	114	278+25	2.05	RT	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--	
1000	115	278+25	15.64	LT	--	--	--	--	--	--	--	76	--	--	--	--	--	--	--	--	--	--	
1000	116	277+85	93.45	LT	--	--	--	32	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
1000	117	278+24	90.00	LT	--	--	--	--	--	--	--	--	138	--	--	--	--	--	--	--	--	--	
1000	118	279+61	90.00	LT	--	--	--	--	--	--	--	--	6	--	--	--	--	--	--	--	--	--	
1000	119	279+66	102.61	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
1000	120	279+49	24.00	LT	--	--	--	--	--	--	25	--	--	--	--	--	--	--	--	--	--	--	
1000	121	279+24	23.74	LT	--	--	--	--	--	--	77	--	--	--	--	--	--	--	--	--	--	--	
1000	124	279+24	19.94	RT	--	--	--	--	--	--	42	--	--	--	--	--	--	--	--	--	--	--	
1000	125	279+49	21.00	RT	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	126	279+24	78.00	RT	--	--	--	--	--	--	61	--	--	--	--	--	--	--	--	--	--	--	
1000	127	279+49	78.00	RT	25	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	128	279+24	97.24	RT	--	--	--	--	--	--	19	--	--	--	--	--	--	--	--	--	--	--	
1000	129	282+85	5.00	LT	--	337	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	130	283+14	5.00	LT	--	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	131	283+06	21.00	RT	--	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	132	283+33	78.00	RT	--	65	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	133	285+15	24.00	LT	--	202	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	134	285+15	1.53	LT	--	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	135	285+18	12.21	RT	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	136	285+18	21.00	RT	--	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	137	285+18	78.00	RT	--	59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	SUBTOTAL				348	1,842	--	32	--	--	224	180	144	--	1	--	1	--	--	1	1	4	
	STH 20																						
1000	601	307+68	32.00	LT	93	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	602	307+68	131.02	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	
1000	603	310+75	21.00	RT	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	604	310+75	96.39	RT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	
1000	605	310+75	31.92	1	92	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	606	310+75	129.90	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	
6000	609	314+54	21.00	RT	42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	610	314+54	22.58	LT	142	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	611	315+96	12.38	LT	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	612	315+95	21.00	LT	--	88	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	613	315+95	114.70	LT	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
1000	614	318+50	117.58	RT	--	--	--	--	112	--	--	--	--	--	--	--	--	1	--	--	--	1	
1000	615	318+50	0.36	LT	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	616	318+50	19.54	LT	--	--	--	--	96	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	617	318+50	121.52	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
6000	618	321+97	89.80	RT	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	619	321+87	91.33	RT	97	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	620	321+24	21.00	RT	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	621	321+24	11.00	RT	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	622	321+01	11.00	LT	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	623	321+01	19.97	LT	--	106	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
6000	624	320+38	112.89	LT	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
1000/6000	625	324+70	1.81	LT	41	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	626	324+32	12.46	LT	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	627	324+32	21.00	LT	70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	628	324+32	97.43	LT	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	
	SUBTOTAL				719	194	--	--	226	--	--	--	--	4	2	--	--	2	--	--	--	8	

(CONTINUED ON NEXT SHEET)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.2319 19x30-INCH LF	608.2324 24x38-INCH LF	608.2329 29x45-INCH LF	608.2338 38x60-INCH LF	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH EACH	522.2629 29x45-INCH EACH	522.2638 38x60-INCH EACH	633.5200 MARKERS CULVERT END EACH	NOTES
	EAST FRONTAGE ROAD SOUTH																						
1000	501	3852+55	54.90	LT	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	502	3852+85	10.45	LT	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	503	3852+86	1.80	LT	31	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	504	3852+85	28.00	RT	--	200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	505	3854+24	57.76	LT	--	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	506	3854+80	18.71	LT	--	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	507	3855+00	11.76	LT	--	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	508	3854+85	28.00	RT	--	164	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	509	3856+56	28.00	RT	--	151	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	510	3857+92	55.02	RT	--	35		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	511	3857+99	97.40	LT	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	512	3858+15	58.00	LT	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	513	3858+09	31.00	LT	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	514	3858+09	21.00	LT	--	52	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	515	3858+13	28.00	RT	--	--	114	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	516	3858+83	66.62	RT	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	517	3858+95	69.92	RT	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	EAST FRONTAGE ROAD NORTH																						
1000	518	5858+97	70.75	RT	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	519	5859+16	70.76	RT	13	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	519A	5859+14	58.16	RT	--	--	86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	520	5860+05	73.29	RT	--	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	520A	5859+98	41.00	RT	--	--	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	521	5859+95	82.48	LT	--	82	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	522	5859+94	2.06	LT	--	11		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	523	5859+94	10.06	RT	--	33	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	524	5863+04	40.21	RT	--	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	525	5863+05	50.95	LT	--	43	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	526	5863+05	10.39	LT	--	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	527	5863+04	0.00	C/L	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	CONNECT PIPE TO EXISTING MANHOLE 528
1000	527A	5861+68	45.00	RT	--	--	144	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	528E	5863+20	0.58	RT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	EXISTING MANHOLE
	WEST FRONTAGE ROAD SOUTH																						
1000	201	2858+00	39.46	RT	--	--	128	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
1000	202	2859+33	52.85	RT	26	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	203	2859+50	73.97	LT	--	96	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	
1000	204	2859+33	27.15	RT	--	--	119	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	205	2860+53	47.42	RT	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	206	2860+54	26.46	RT	--	--	178	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	207	2862+34	25.33	RT	--	--	199	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	209	2864+07	199.15	RT	23	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	210	2864+29	199.15	RT	126	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	211	2864+30	73.39	RT	--	56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	212	2864+35	18.00	RT	--	--	121	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	213	2864+10	81.65	LT	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	214	2864+00	30.94	LT	--	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	215	2864+00	21.86	LT	--	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	WEST FRONTAGE ROAD NORTH																						
1000	216	4864+47	139.36	RT	--	107	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	217	4864+51	33.36	RT	--	--	126	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	219	4865+76	30.21	RT	--	--	144	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	220	4866+14	0.02	RT	--	51	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	221	4866+14	9.98	LT	--	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	222	4867+15	30.80	RT	--	--	99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	223	4867+30	42.35	LT	--	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	224	4866+94	0.54	RT	--	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	CONNECT PIPE TO EXISTING MANHOLE 225
1000	225E	4868+03	11.71	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	EXISTING MANHOLE
	SUBTOTAL				489	1,453	1,645	--	--	--	--	--	--	1	1	--	--	--	--	--	--	2	

(CONTINUED ON NEXT SHEET)

STORM SEWER ITEMS (CONTINUED)

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	608.0442 42-INCH LF	608.2319 19x30-INCH LF	608.2324 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 24x38-INCH LF	608.2329 29x45-INCH LF	608.2338 38x60-INCH LF	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1024 24-INCH EACH	522.1030 30-INCH EACH	522.1036 36-INCH EACH	522.1042 42-INCH EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24x38-INCH EACH	522.2629 29x45-INCH EACH	522.2638 38x60-INCH EACH	633.5200 MARKERS CULVERT END EACH	NOTES
	RAMP SW																						
1000	301	859+10	42.95	LT	--	--	--	--	--	--	12	--	--	--	--	--	--	--	1	--	--	1	
1000	302	859+29	64.71	LT	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	303	859+29	17.00	RT	61	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	304	859+29	43.00	LT	--	--	--	--	--	--	242	--	--	--	--	--	--	--	--	--	--	--	
1000	305	861+48	72.01	LT	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	306	861+74	17.66	RT	39	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	307	861+70	18.67	LT	--	--	--	--	--	--	150	--	--	--	--	--	--	--	--	--	--	--	
1000	308	862+60	95.58	LT	--	--	--	--	--	87	--	--	--	--	--	--	--	--	--	--	--	--	
1000	309	291+99	8.00	RT	--	--	--	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--	
	RAMP NW																						
1000	310	863+50	11.72	LT	--	--	--	--	--	--	74	--	--	--	--	--	--	--	--	--	--	--	
1000	311	864+22	19.26	LT	--	--	--	--	--	--	76	--	--	--	--	--	--	--	--	--	--	--	
1000	311A	864+45	54.68	LT	--	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	312	864+97	0.00	C/L	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	313	864+97	8.86	LT	--	--	--	--	--	--	52	--	--	--	--	--	--	--	--	--	--	--	
1000	314	865+62	39.00	RT	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	315	865+62	30.00	RT	--	54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	316	865+47	19.90	LT	--	--	--	--	--	--	47	--	--	--	--	--	--	--	--	--	--	--	
1000	317	865+97	41.62	LT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
	RAMP SE																						
1000	401	856+00	18.00	RT	--	201	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	402	858+00	24.00	LT	--	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	403	858+00	24.00	RT	--	174	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	404	859+80	40.11	RT	--	69	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	405	859+22	362.52	RT	--	--	75	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
1000	406	861+30	305.41	RT	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	407	861+22	305.02	RT	--	59	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	408	860+65	302.36	RT	--	--	204	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	409	860+53	98.79	RT	--	--	80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	410	860+49	20.36	RT	--	--	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	411	860+50	0.00	C/L	--	--	108	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	412	860+92	108.46	LT	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	413	860+91	98.47	LT	--	--	64	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	414	861+53	95.88	LT	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	415	861+34	29.39	RT	27	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
	RAMP NE																						
1000	416	861+19	46.77	RT	--	127	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	417	861+19	79.26	RT	--	--	74	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	418	861+91	89.59	LT	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	419	861+19	390.79	RT	--	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	420	861+35	390.71	RT	--	68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	421	862+01	390.73	RT	--	287	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	422	862+06	103.86	RT	--	99	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	423	861+96	5.05	RT	--	86	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	424	861+91	79.59	LT	--	--	154	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
1000	425	863+60	47.34	LT	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
	SUBTOTAL				248	1,333	792	--	--	87	693	--	--	--	--	2	--	--	2	--	--	4	
	CATEGORY 1000 SUBTOTAL				1,464	4,716	2,437	32	226	87	917	180	144	4	3	3	1	2	2	1	1	17	
	CATEGORY 6000 SUBTOTAL				340	106	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
	TOTALS				1,804	4,822	2,437	32	226	87	917	180	144	4	4	3	1	2	2	1	1	18	

3

PERMANENT CRASH CUSHION ITEMS

CATEGORY	STAGE	ROADWAY	STATION	OFFSET	614.0805 CRASH CUSHIONS PERMANENT LOW MAINTENANCE EACH	CRASH TEST LEVEL**	TRAFFIC DIRECTION**	TRAFFIC LOCATION**	CRASH CUSHION SHIELDS**
1000	2	STH 20							
			293+27	C/L	1	TL-2	EB	RIGHT	B-51-129 PIERS
			294+93	C/L	1	TL-2	WB	RIGHT	B-51-130 PIERS
		TOTALS			2				

**FOR INFORMATION ONLY

ROADWAY BARRIER ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	OFFSET	614.2610 MGS GUARDRAIL 3 LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	614.2620 MGS GUARDRAIL TERMINAL TYPE 2 EACH
1000	2	STH 20							
			293+37	-	294+90	LT	67	1	1
		TOTALS					67	1	1

EXCAVATION SPECIAL

CATEGORY	STAGE	LOCATION	SPV.0035.007 EXCAVATION, HAULING, AND REUSE OF LOW-LEVEL CONTAMINATED SOIL CY
1000	2	WEST FRONTAGE ROAD SOUTH STA 2864+00	15
		SUBTOTALS	15
1000	3	STH 20 STA 288+75 TO STA 289+75	22
		WEST FRONTAGE ROAD SOUTH STA 2864+00	13
		SUBTOTALS	35
		TOTALS	50

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
1000	1033-02-71	1.0
	TOTAL	1

DUST CONTROL SURFACE TREATMENT

CATEGORY	LOCATION	623.0200 SY
1000	STH 20	64,873
	TOTAL	64,873

WATER ITEMS

CATEGORY	STAGE	ROADWAY	624.0100 WATER MGAL
1000	1	AGGREGATE AND EARTHWORK	392
	2	AGGREGATE AND EARTHWORK	2,976
	3	AGGREGATE AND EARTHWORK	2,427
		TOTALS	5,795

FIELD OFFICE

CATEGORY	STAGE		SPV.0135.0001 FIELD OFFICE SPECIAL EACH
1000	ALL	ID 1033-02-71	1.00
	TOTAL		1.00

3

SURVEY PROJECT

CATEGORY	PROJECT	SPV.0105.0001 SURVEY PROJECT 1033-02-71 LS
1000	1033-02-71	1
	TOTAL	1

TRACKING PADS

CATEGORY	STAGE	LOCATION	628.7560 EACH
1000	1	STH 20	2
	2	STH 20	2
	3	STH 20	2
		UNDISTRIBUTED	2
		TOTAL	8

3

EXPOSING EXISTING UTILITY

CATEGORY	LOCATION	SPV.0060.0100 EXPOSING EXISTING INFRASTRUCTURE UNPAVED AREA EACH	SPV.0060.0101 EXPOSING EXISTING INFRASTRUCTURE PAVED AREA EACH
1000	UNDISTRIBUTED	4	4
	TOTAL	4	4

PAVEMENT CLEANUP

CATEGORY	PROJECT	SPV.0075.0001 HRS
1000	1033-02-71	400
	TOTAL	400

BASELINE CPM PROGRESS SCHEDULE

CATEGORY	PROJECT	SPV.0060.0070 BASELINE CPM PROGRESS SCHEDULE EACH	SPV.0060.0071 MONTHLY CPM PROGRESS SCHEDULE UPDATES EACH
1000	I.D. 1033-02-71	1.00	10
	TOTAL	1.00	10

EROSION CONTROL ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7005 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	645.0120 GEOTEXTILE TYPE HR SY
1000	1A	STH 20 -TEMPORARY PAVEMENT	262+25	-	344+55	--	--	487	244	--	--	3,109	9	--	37	4	125	--	--
		RAMP NW	863NW+81	-	868NW+51	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		RAMP SE	855SE+90	-	860SE+88	--	--	--	--	--	--	--	1	--	--	--	--	--	--
		RAMP NE	861NE+76	-	867NE+00	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		WEST FRONTAGE ROAD SOUTH	2857+00	-	2864+58	--	--	--	--	--	--	107	1	--	1	--	--	--	--
		EAST FRONTAGE ROAD SOUTH	3852+25	-	3858+30	--	--	220	110	--	--	77	--	--	--	--	--	--	--
		EAST FRONTAGE ROAD NORTH	5859+60	-	5863+16	--	--	--	--	--	--	--	--	--	1	--	--	--	--
		INTERNATIONAL DRIVE	111+75	-	135+58	--	--	--	--	--	--	--	--	--	22	--	--	--	--
		UNDISTRIBUTED				--	200	177	89	3	2	824	3	--	16	1	32	--	--
		STAGE 1A SUBTOTAL				--	200	884	443	3	2	4,117	14	--	79	5	157	--	--
1000	1B	UNDISTRIBUTED				--	--	--	--	3	2	--	--	--	--	--	--	--	--
		STAGE 1B SUBTOTAL				--	--	--	--	--	--	--	--	--	--	--	--	--	--
1000	2	STH 20	262+25	-	344+55	360	--	1,286	643	--	--	20,567	39	--	26	7	200	3	60
		RAMP SW	858SW+57	-	862SW+77	--	--	--	--	--	--	1,807	1	--	1	--	--	1	--
		RAMP NW	863NW+81	-	868NW+51	9	--	--	--	--	--	2,852	6	1	4	--	--	1	8
		RAMP SE	855SE+90	-	860SE+88	--	--	--	--	--	--	1,959	5	--	5	--	--	--	--
		RAMP NE	861NE+76	-	867NE+00	7	--	389	195	--	--	6,089	2	--	2	--	75	--	7

(CONTINUED ON NEXT SHEET)

EROSION CONTROL ITEMS (CONTINUED)

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	606.0200 RIPRAP MEDIUM CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7005 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECK LF	628.7555 CULVERT PIPE CHECKS EACH	645.0120 GEOTEXTILE TYPE HR SY
1000	2	WEST FRONTAGE ROAD SOUTH	262+25	-	344+55	--	--	--	--	--	--	2,441	4	--	4	--	--	1	--
		WEST FRONTAGE ROAD NORTH	4864+82	-	4868+06	--	--	173	87	--	--	1,605	3	--	3	--	--	--	--
		EAST FRONTAGE ROAD SOUTH	3852+25	-	3858+30	--	--	--	--	--	--	660	4	--	4	--	--	--	--
		EAST FRONTAGE ROAD NORTH	5859+60	-	5863+16	--	--	502	251	--	--	1,074	4	--	--	--	--	--	--
		UNDISTRIBUTED				94	200	588	294	5	3	9,764	17	1	13	2	69	2	19
		STAGE 2 SUBTOTAL				470	200	2,938	1,470	5	3	48,818	85	2	62	9	344	8	94
1000	3	STH 20	262+25	-	344+55	54	--	--	--	--	--	15,528	27	--	22	6	125	4	22
		RAMP SW	858SW+57	-	862SW+77	--	--	--	--	--	--	796	2	--	2	--	--	--	--
		RAMP NW	863NW+81	-	868NW+51	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		RAMP SE	855SE+90	-	860SE+88	--	--	--	--	--	--	230	2	--	2	--	--	--	--
		RAMP NE	861NE+76	-	867NE+00	--	--	--	--	--	--	--	--	--	--	--	--	--	--
		WEST FRONTAGE ROAD SOUTH	262+25	-	344+55	--	--	--	--	--	--	269	5	--	5	--	--	--	--
		WEST FRONTAGE ROAD NORTH	4864+82	-	4868+06	--	--	--	--	--	--	--	2	--	2	--	--	--	--
		EAST FRONTAGE ROAD SOUTH	3852+25	-	3858+30	--	--	--	--	--	--	687	10	--	10	--	--	--	--
		EAST FRONTAGE ROAD NORTH	5859+60	-	5863+16	--	--	--	--	--	--	--	2	--	2	--	--	--	--
		UNDISTRIBUTED				14	200	--	--	5	3	297	6	--	6	--	--	--	--
		STAGE 3 SUBTOTAL				68	200	--	--	5	3	570	8	--	8	--	--	--	--
1000	4A	STH 20	262+25	-	344+55	--	--	--	--	--	--	7,905	--	--	7	--	--	--	--
		UNDISTRIBUTED				--	--	--	--	3	2	1,977	--	--	2	--	--	--	--
		STAGE 4A SUBTOTAL				--	--	--	--	3	2	495	--	--	1	--	--	--	--
		TOTALS				538	600	3,822	1,913	16	10	52,935	99	2	141	14	501	8	94

RESTORATION ITEMS

CATEGORY	STAGE	ROADWAY	STATION	TO	STATION	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIX NO. 20 LB	630.0200 SEEDING TEMPORARY LB
1000	1A	STH 20 -TEMPORARY PAVEMENT	262+25	-	344+55	3,109	2	84	42
		WEST FRONTAGE ROAD SOUTH	2857+00	-	2864+58	107	1	3	2
		EAST FRONTAGE ROAD SOUTH	3852+25	-	3858+30	77	1	3	2
		UNDISTRIBUTED				824	1	23	12
		STAGE 1A SUBTOTAL				4,117	5	113	58
1000	2	STH 20	262+25	-	344+55	20,567	13	555	278
		RAMP SW	858SW+57	-	862SW+77	1,807	2	49	24
		RAMP NW	863NW+81	-	868NW+51	2,852	2	77	39
		RAMP SE	855SE+90	-	860SE+88	1,958	2	53	26
		RAMP NE	861NE+76	-	867NE+00	6,088	4	164	82
		EAST FRONTAGE ROAD SOUTH	3852+25	-	3858+00	2,440	2	66	33
		EAST FRONTAGE ROAD NORTH	5860+00	-	5863+15	1,605	2	43	22
		WEST FRONTAGE ROAD SOUTH	262+25	-	344+55	660	1	18	9
		WEST FRONTAGE ROAD NORTH	4864+82	-	4868+06	1,073	1	29	14
		UNDISTRIBUTED				9,763	8	264	132
		STAGE 2 SUBTOTAL				48,813	37	1,318	659
1000	3	STH 20	262+25	-	344+55	15,527	10	419	210
		RAMP SW	858SW+57	-	862SW+77	796	1	21	11
		RAMP SE	855SE+90	-	860SE+88	230	1	6	3
		WEST FRONTAGE ROAD SOUTH	262+25	-	344+55	268	1	7	4
		EAST FRONTAGE ROAD SOUTH	3852+25	-	3858+30	687	1	19	9
		UNDISTRIBUTED				4,378	4	119	60
		STAGE 3 SUBTOTAL				21,886	18	592	296
1000	4A	STH 20	262+25	-	344+55	7,905	5	213	107
		UNDISTRIBUTED				1,977	2	54	27
		STAGE 4A SUBTOTAL				9,882	7	267	134
		TOTALS				84,697	67	2,290	1,147

3

PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	633.0100 DELINEATOR POSTS STEEL EACH	633.0500 DELINEATOR REFLECTORS YELLOW EACH	633.0500 DELINEATOR REFLECTORS WHITE EACH	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE 9' SKIP WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH 3' LINE 9' SKIP WHITE LF	646.1020 MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 3' LINE 9' SKIP WHITE LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 3' LINE 9' SKIP WHITE LF	646.1545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.1555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH 12.5' LINE 37.5' SKIP WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF	646.3020 MARKING LINE EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF	646.3545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH 2' LINE 6' SKIP WHITE LF	646.3545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH 2' LINE 6' SKIP WHITE LF	646.3545 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF
1000	STH 20	265+07	-	336+30	--	--	--	10,196	--	9,884	--	--	4,601	311	3,922	--	--	--	13,481	233	917
	RAMP SW	861+41	-	862+00	6	3	3	306	--	936	--	--	--	--	--	191	--	--	--	--	--
	RAMP NW	864+00	-	867+23	5	1	3	627	--	432	--	--	--	--	--	33	--	--	--	--	--
	RAMP SE	855+90	-	860+64	10	5	5	537	--	475	--	--	--	--	--	31	--	--	--	--	--
	RAMP NE	862+00	-	866+95	10	5	5	480	--	1,466	--	--	--	--	--	272	--	--	--	--	93
	WEST FRONTAGE ROAD																				
	SOUTH	2857+00	-	2864+38	--	--	--	1,405	144	1,919	32	185	--	--	--	--	767	71	--	--	--
	NORTH	4865+00	-	4868+00	--	--	--	545	30	1,135	50	107	--	--	--	--	428	66	--	--	--
	EAST FRONTAGE ROAD																				
	SOUTH	3851+90	-	3858+20	--	--	--	1,042	--	1,139	15	320	--	--	--	--	716	17	--	--	--
	NORTH	5859+50	-	5863+15	--	--	--	578	--	760	--	157	--	--	--	--	580	--	--	--	--
	INTERNATIONAL DRIVE	111+75	-	135+38	--	--	--	--	--	--	--	945	--	--	--	--	586	75	--	9	--
	RED CLOUD				--	--	--	--	--	--	--	--	--	--	--	--	325	--	--	--	--
	SUBTOTALS				31	14	16	15,716	174	18,146	97	1,714	4,601	311	3,922	527	3,402	229	13,481	242	1,010
	TOTALS				31	30				35,847				8,834		527	3,631			14,733	

ALL ITEMS ARE CATEGORY 1000 UNLESS NOTED OTHERWISE

(CONTINUED ON NEXT SHEET)

PAVEMENT MARKING ITEMS (CONTINUED)

CATEGORY	ROADWAY	STATION	TO	STATION	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH 3' LINE 9' SKIP WHITE LF	646.3555 MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH 3' LINE 9' SKIP WHITE LF	646.5020 MARKING ARROW EPOXY TYPE 1 WHITE EACH	646.5020 MARKING ARROW EPOXY TYPE 2 WHITE EACH	646.5120 MARKING WORD EPOXY WHITE EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH WHITE LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH WHITE LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH WHITE LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH WHITE LF	646.8020 MARKING CORRUGATED MEDIAN EPOXY YELLOW SF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	SPV.0060.XXX MARKING CONTRAST EPOXY SPECIAL MARKING ARROW TYPE 2 WHITE EACH	SPV.0060.XXX MARKING CONTRAST EPOXY SPECIAL MARKING ARROW TYPE 3 WHITE EACH	SPV.0060.XXX MARKING CONTRAST EPOXY SPECIAL MARKING WORD WHITE EACH
1000	STH 20	265+07	-	336+30	--	--	--	--	--	603	--	--	1,001	536	--	835	28	13	--	5
	RAMP SW	861+41	-	862+00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	RAMP NW	864+00	-	867+23	651	--	--	--	--	76	--	--	73	--	--	--	2	3	2	2
	RAMP SE	855+90	-	860+64	674	405	--	--	--	115	--	--	85	--	--	--	--	5	2	3
	RAMP NE	862+00	-	866+95	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--
	WEST FRONTAGE ROAD																			
	SOUTH	2857+00	-	2864+38	--	--	--	2	--	30	34	--	105	--	--	56	2	--	--	--
	NORTH	4865+00	-	4868+00	--	--	--	--	--	30	27	--	23	--	660	25	6	--	--	--
	EAST FRONTAGE ROAD																			
	SOUTH	3851+90	-	3858+20	--	--	--	4	2	50	27	18	--	--	--	86	8	--	--	--
	NORTH	5859+50	-	5863+15	--	--	--	2	--	39	24	--	--	--	--	76	6	--	--	--
	INTERNATIONAL DRIVE	111+75	-	135+38	--	--	--	6	3	26	--	--	--	--	--	--	--	--	--	--
	RED CLOUD				--	--	2	6	8	97	--	--	--	349	--	60	6	--	--	--
	SUBTOTALS				1,325	405	2	20	13	1,066	112	18	1,287	885	660	1,138	60	21	4	10
	TOTALS				1,730		56		13	1,066	112	1,305		885	660	1,138	60	25		10

ALL ITEMS ARE CATEGORY 1000 UNLESS NO

ITS COMMUNICATION VAULTS

CATEGORY	ROADWAY	ITEM ID	SPV.0060.2000 INSTALL CONDUIT INTO BURIED VAULT EACH	673.0105 COMMUNICATION VAULT TYPE 1 EACH	673.0200 TRACER WIRE MARKER POSTS EACH
1300	STH 20				
		CV274	--	1	1
		CV286	--	1	1
		EXCV291	1	--	--
	TOTALS		1	2	2

ITS CONDUIT AND FIBER

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	655.0510* ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF	671.0122 CONDUIT HDPE 2-DUCT 2-INCH LF	678.0036 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 36-CT LF
1300	STH 20					
		EXCV291 - CV286	1280	1,289	1,280	1,380
		CV286 - CV274	430	439	430	630
		TOTALS		1,728	1,710	2,010

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS ELECTRICAL SERVICE

CATEGORY	ITEM ID	656.0200.001 ELECTRICAL SERVICE METER BREAKER PEDESTAL (MB295) LS
1300	MB295	1
	TOTALS	1

FIBER SPLICES

CATEGORY	ROADWAY	ITEM ID	678.0300 FIBER OPTIC SPLICE EACH
1300	STH 20		
		CV274	36
		EXCV291	36
		MB295	--
		TOTALS	72

MISCELLANEOUS ITS ITEMS

CATEGORY	ITEM I.D.	670.0100.001 FIELD SYSTEM INTEGRATOR LS	670.0200.001 ITS DOCUMENTATION LS	678.0500.001 COMMUNICATION SYSTEM TESTING LS
1300	MISCELLANEOUS	1	1	1
	TOTAL	1	1	1

3

FTMS LINEAR FEET REMOVALS

CATEGORY	ROADWAY	ITEM ID	674.0300 REMOVE CABLE LF
1300	STH 20		
		EXCV291 - EXCV289	220
		EXCV289 - EXMH286	270
		EXMH286 - EXMH274	1,265
		TOTALS	1,755

FTMS EACH REMOVALS

CATEGORY	ROADWAY	ITEM	DESCRIPTION	204.0210 REMOVING MANHOLES EACH	204.9060.S.2010 REMOVING VAULT EACH	204.9060.S.2011 REMOVING ELECTRICAL SERVICE METER BREAKER PEDESTAL EACH
1300	IH 94					
		EXCV289	VAULT	--	1	--
		EXMH286	MANHOLE	1	--	--
		EXMH274	MANHOLE	1	--	--
		EXMB295	METER BREAKER	--	--	1
			TOTALS	2	1	1

3

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: PRE_412	E

FILE NAME : \\minw00\pmwork\jobs\67321\WO_01_Local_Road_ITS\eng\030214_mq_fm.ppt PLOT DATE : 5/22/2019 3:23:30 PM PLOT BY : mdonnelly PLOT NAME : 030214_mq_fm PLOT SCALE : 1:1

SIGN #	REMARKS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
1R01	SPEED LIMIT 45	1	1	--
1R02	SPEED LIMIT 45	1	1	--
1R03	TRAFFIC SIGNAL AHEAD	1	1	--
1R04	TRAFFIC SIGNAL AHEAD	1	1	--
1R05	WRONG WAY	1	1	--
1R06	KEEP RIGHT	1	1	--
1R07	JUNCTION ASSEMBLY	1	2	--
1R08	TRAFFIC SIGNAL AHEAD	1	1	--
1R09	TRAFFIC SIGNAL AHEAD	1	1	--
1R10	LEFT TURN LANE WITH ARROW	1	1	--
1R11	NO PARKING	1	1	--
1R12	WRONG WAY	1	1	--
1R13	NO PARKING	1	1	--
1R14	KEEP RIGHT	1	1	--
1R15	DO NOT ENTER	1	1	--
1R16	SPEED LIMIT 45	1	1	--
1R17	SPEED LIMIT 45	1	1	--
1R18	PARK & RIDE	1	1	--
1R19	ONE WAY	1	1	--
1R20	NOT USED			--
1R21	WRONG WAY	1	1	--
1R22	NOT USED			--
1R23	SHERIFF'S PATROL STATION	1	--	--
1R24	KEEP RIGHT	1	1	--
1R25	ROUTE ASSEMBLY	1	1	--
1R26	NO PARKING	1	1	--
1R27	REASSURANCE ASSEMBLY	1	1	--
1R28	JUNCTION ASSEMBLY	1	1	--
1R29	JUNCTION ASSEMBLY	1	1	--
1R30	ONE WAY	1	1	--
1R31	ONE WAY	1	1	--
1R32	JUNCTION ASSEMBLY	1	1	--
1R33	JUNCTION ASSEMBLY	1	1	--
1R34	WRONG WAY	1	1	
2R01	ROUTE ASSEMBLY	1	1	--
2R02	DO NOT ENTER	1	1	--
2R03	FOLDING STOP	1		SIGNAL POLE
2R04	FOLDING STOP	1	--	SIGNAL POLE
2R05	YIELD	1	1	--
2R06	NOT USED		--	--
2R07	NOT USED		--	--
2R08	NO PARKING	1	1	--
2R09	ROUTE ASSEMBLY	1	2	--
2R10	ROUTE ASSEMBLY	1	1	--
2R11	NO PARKING	1	1	--
2R12	WRONG WAY	1	1	--
2R13	ROUTE ASSEMBLY	1	1	--
2R14	NO LEFT NO U TURN	1	1	--
2R15	NOT USED			--
2R16	RAMP CLOSED FOLLOW ALT ROUTE	1	2	--
2R17	NOT USED			--
2R18	FOLDING STOP	1	--	--

SIGN #	REMARKS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
2R19	YIELD	1	1	--
2R20	KEEP RIGHT	1	1	--
2R21	NO LEFT TURN	1	1	--
2R22	NOT USED			--
2R23	NOT USED		--	--
2R24	ALTERNATE ROUTE ASSEMBLY	1	1	--
2R25	ONE WAY	1	1	--
2R26	NOT USED			--
2R27	NO PARKING	1	1	--
2R28	ONE WAY	1		SIGNAL POLE
2R29	NO RIGHT TURN	1		SIGNAL POLE
2R30	FOLDING STOP	1		SIGNAL POLE
2R31	DO NOT ENTER	1	1	--
2R32	KEEP RIGHT	1	--	SIGNAL POLE
2R33	RIGHT LANE MUST TURN RIGHT	1	1	--
2R34	NOT USED			--
2R35	ROUTE ASSEMBLY	1	1	--
2R36	JUNCTION ASSEMBLY	1	2	--
2R37	WRONG WAY	1	1	--
2R38	NO PARKING	1	1	--
2R39	NOT USED			--
2R40	ONE WAY	1	--	SIGNAL POLE
2R41	DO NOT ENTER	1	--	SIGNAL POLE
2R42	ALTERNATE ROUTE ASSEMBLY	1	1	--
2R43	FOLDING STOP	1	--	SIGNAL POLE
2R44	FOLDING STOP	1	--	SIGNAL POLE
2R45	NOT USED			--
2R46	NO PARKING	1	1	--
2R47	ALTERNATE ROUTE ASSEMBLY	1	1	--
2R48	ROUTE ASSEMBLY	1	2	--
2R49	NOT USED		--	--
2R50	NO PARKING	1	1	--
2R51	ROUTE ASSEMBLY	1	1	--
2R52	WRONG WAY	1	1	--
2R53	LEFT TURN LANE WITH ARROW	1	1	--
2R54	ROUTE ASSEMBLY	1	1	--
2R55	NO RIGHT TURN	1	1	--
2R56	NOT USED			--
2R57	NOT USED			--
2R58	NOT USED		--	--
2R59	DO NOT ENTER	1	--	--
2R60	NOT USED			--
2R61	NOT USED		--	
2R62	FOLDING STOP	1	--	SIGNAL POLE
2R63	NOT USED		--	
2R64	NOT USED			--
2R65	ROUTE ASSEMBLY	1	1	--
2R66	FOLDING STOP	1	--	SIGNAL POLE
2R67	YIELD	1	1	--
2R68	RAMP CLOSED FOLLOW ALT ROUTE	1	2	--

SIGN #	REMARKS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
2R69	NOT USED		--	--
2R70	NOT USED		--	--
2R71	ROUTE ASSEMBLY	1	1	--
2R72	DESTINATION SIGN	1	2	--
2R73	NO PARKING	1	1	--
2R74	NOT USED			--
2R75	ROUTE ASSEMBLY	1	1	--
2R76	ROUTE ASSEMBLY	1	1	--
2R77	WRONG WAY	1	1	--
2R78	RAMP CLOSED FOLLOW ALT ROUTE	1	2	--
2R79	STOP	1	1	
2R80	STOP	1	1	
3R01	RIGHT LANE MUST TURN RIGHT	1	1	--
3R02	NO PARKING	1	1	--
3R03	ALTERNATE ROUTE ASSEMBLY	1	1	--
3R04	ROUTE ASSEMBLY	1	1	--
3R05	ROUTE ASSEMBLY	1	1	--
3R06	DO NOT ENTER	1	1	--
3R07	FOLDING STOP	1	--	SIGNAL POLE
3R08	KEEP RIGHT	1	--	SIGNAL POLE
3R09	KEEP RIGHT	1	--	SIGNAL POLE
3R10	REASSURANCE ASSEMBLY	1	1	--
3R11	NOT USED		--	--
3R12	NOT USED			--
3R13	WRONG WAY	1	1	--
3R14	DESTINATION SIGN	1	2	--
3R15	NO PARKING	1	1	--
3R16	SPEED LIMIT 45	1	1	--
3R17	SPEED LIMIT 45	1	1	--
3R18	RIDESHARE	1	2	--
3R19	KEEP RIGHT	1	1	--
3R20	KEEP RIGHT	1	1	--
3R21	STOP	1	1	--
3R22	ALTERNATE ROUTE ASSEMBLY	1	1	--
3R23	ROUTE ASSEMBLY	1	2	--
3R24	ROUTE ASSEMBLY	1	2	--
3R25	FOLDING STOP	1	--	SIGNAL POLE
3R26	FOLDING STOP	1	--	SIGNAL POLE
3R27	FOLDING STOP	1	--	SIGNAL POLE
3R28	YIELD	1	--	LIGHT POLE
3R29	DO NOT ENTER	1	1	--
3R30	ROUTE ASSEMBLY	1	1	--
3R31	ROUTE ASSEMBLY	1	1	--
3R32	JUNCTION ASSEMBLY	1	2	--
3R33	NO PARKING	1	1	--
3R34	NOT USED			--
3R35	NOT USED			--
3R36	SIGNAL AHEAD	1	1	--
3R37	SIGNAL AHEAD	1	1	--
3R38	RIDESHARE	1	2	--
3R39	ONE WAY	1	1	--
4R01	SPEED LIMIT 55	1	1	--
4R02	SPEED LIMIT 55	1	1	--

SIGN #	REMARKS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
4R03	WRONG WAY	1	1	--
4R04	JUNCTION ASSEMBLY	1	1	--
4R05	JUNCTION ASSEMBLY	1	1	--
4R06	SPEED LIMIT 45	1	1	--
4R07	SPEED LIMIT 45	1	1	--
4R08	REDUCED SPEED AHEAD	1	1	--
4R09	REDUCED SPEED AHEAD	1	1	--
4R10	KEEP RIGHT	1	1	--
4R11	KEEP RIGHT	1	1	--
4R12	ONE WAY	1	1	--
4R13	DO NOT ENTER	1	1	--
5R01	NOT USED			--
5R02	NOT USED			--
5R03	NOT USED			--
5R04	NOT USED			--
5R05	NOT USED			--
5R06	ROUTE ASSEMBLY	1	1	--
5R07	YIELD	1	1	--
5R08	DO NOT ENTER	1	1	--
5R09	DO NOT ENTER	1	1	--
5R10	DO NOT ENTER	1	1	--
5R11	NO PARKING	1	1	--
5R12	NOT USED			--
5R13	NOT USED			--
5R14	NOT USED			--
5R15	NOT USED			--
5R16	NOT USED			--
5R17	NOT USED			--
5R18	CRASH INVESTIGATION SITE	1	2	--
5R19	WRONG WAY	1	1	--
5R20	NOT USED			--
5R21	LEFT LANE MUST TURN LEFT	1		SIGNAL POLE
5R22	NO PARKING	1	--	SIGNAL POLE
5R23	RAMP CLOSED FOLLOW ALT ROUTE	1	2	--
5R24	PEDESTRIANS PROHIBITED	1	1	--
5R25	NOT USED		--	--
5R26	RAMP CLOSED FOLLOW ALT ROUTE	1	2	--
5R27	NO PARKING	1	--	SIGNAL POLE
5R28	NO PARKING	1	--	SIGNAL POLE
5R29	NOT USED		--	--
5R30	DO NOT ENTER	1	--	SIGNAL POLE
5R31	WRONG WAY	1		SIGNAL POLE
5R32	LEFT LANE MUST TURN LEFT	1	1	--
5R33	NO PARKING	1	1	--
5R34	AMTRAK STATION	1	2	--
5R35	NO PARKING	1	1	--
5R36	NOT USED			--
5R37	NOT USED			--
5R38	NOT USED			--

SIGN #	REMARKS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
5R39	NO PARKING	1	1	--
5R40	PEDESTRIANS PROHIBITED	1	1	--
5R41	NO PARKING	1	1	--
5R42	FOLDING STOP	1	--	SIGNAL POLE
5R43	YIELD	1	1	--
5R44	ROUTE ASSEMBLY	1	1	--
5R45	NOT USED			--
5R46	NOT USED			--
5R47	NOT USED			--
5R48	NOT USED			--
5R49	PARK & RIDE	1	1	--
5R50	SIGNAL AHEAD	1	1	--
RR51	ROUTE ASSEMBLY	1	2	--
5R52	AMTRAK STATION	1	2	--
5R53	FRONTAGE ROAD	1	1	--
5R54	NOT USED			--
5R55	NOT USED			--
5R56	NO PARKING ON RAMP	1	1	--
5R57	DESTINATION SIGN	1	2	--
5R58	NO PARKING ON RAMP	1	1	--
5R59	LANE REDUCTION	1	1	--
5R60	PARK & RIDE	1	1	--
5R61	ONE WAY	1	1	--
5R62	WRONG WAY	1	1	--
5R63	WRONG WAY	1	1	--
5R64	NO PARKING ON RAMP	1	1	
5R65	LANE USE SIGN	1	1	
5R66	LANE USE SIGN	1	1	
5R67	LANE USE SIGN	1	1	
6R01	TRAFFIC SIGNAL AHEAD	1	1	--
6R02	RIGHT LANE MUST TURN RIGHT	1	1	--
6R03	ROUTE ASSEMBLY	1	2	--
6R04	KEEP RIGHT	1	1	--
6R05	LANE ASSIGNMENT ARROWS	1	2	--
6R06	STOP	1	1	--
6R07	FOLDING STOP	1	--	SIGNAL POLE
6R08	KEEP RIGHT	1	--	SIGNAL POLE
6R09	FOLDING STOP	1	--	SIGNAL POLE
6R10	SPEED LIMIT 35	1	1	--
6R11	NOT USED		--	--
6R12	REASSURANCE ASSEMBLY	1	1	--
6R13	NOT USED			--
6R14	NO PARKING	1	1	--
6R15	TWO-WAY LEFT TURN LANE	1	1	--
6R16	DO NOT ENTER	1	1	--
6R17	NOT USED		--	--
6R18	NO PARKING	1	1	--
6R19	NOT USED			--
6R20	NOT USED			--
6R21	NOT USED			--
6R22	KEEP RIGHT	1	--	SIGNAL POLE
6R23	FOLDING STOP	1	--	SIGNAL POLE
6R24	ROUTE ASSEMBLY	1	2	--

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – SIGNING REMOVAL	SHEET: PRE_417	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030501_mq.pptx PLOT DATE : 17 May 2019 PLOT BY : DOTTAH PLOT NAME : 030501_mq.pdf PLOT SCALE : 1:1

SIGN #	REMARKS	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
6R25	LANE ASSIGNMENT ARROWS	1	1	--
6R26	JUNCTION ASSEMBLY	1	1	--
6R27	SPEED LIMIT 35	1	1	--
6R28	NO PARKING	1	1	
7R01	KEEP RIGHT	1	1	--
7R02	KEEP RIGHT	1	1	--
7R03	JUNCTION ASSEMBLY	1	1	--
7R04	JUNCTION ASSEMBLY	1	1	--
7R05	LANE ASSIGNMENT ARROWS	1	2	--
7R06	ROUTE ASSEMBLY	1	2	--
7R07	FOLDING STOP	1	--	SIGNAL POLE
7R08	ROUTE/ALTERNATE ROUTE ASSEMBLY	1	2	--
7R09	ONE WAY	1	--	--
7R10	KEEP RIGHT	1	--	SIGNAL POLE
7R11	KEEP RIGHT	1	--	SIGNAL POLE
7R12	FOLDING STOP	1	--	SIGNAL POLE
7R13	SPEED LIMIT 25	1	1	--
7R14	ROAD TURNS LEFT	1	1	--
7R15	ROAD TURNS LEFT	1	1	--
7R16	NOT USED			--
7R17	NOT USED			--
7R18	LANE ENDS	1	1	--
7R19	LANE ENDS	1	1	--
7R20	KEEP RIGHT	1	1	--
7R21	KEEP RIGHT	1	1	--
7R22	SPEED LIMIT 35	1	1	--
7R23	SPEED LIMIT 35	1	1	--
7R24	ONE WAY	1	--	SIGNAL POLE
7R25	FOLDING STOP	1	--	SIGNAL POLE
7R26	ROUTE ASSEMBLY	1	2	--
7R27	JUNCTION ASSEMBLY	1	1	--
7R28	TRAFFIC SIGNAL AHEAD	1	1	--
7R29	WRONG WAY	1	1	
7R30	STOP SIGN FOLD UP	1		SIGNAL POLE
7R31	LANE REDUCTION	1	1	--
7R32	KEEP RIGHT	1	1	--
7R33	KEEP RIGHT	1	1	--
7R34	JUNCTION ASSEMBLY	1	1	--
7R35	KEEP RIGHT	1	1	--
TOTALS		238 *	224 *	

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – SIGNING REMOVAL	SHEET: PRE_418	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030501_mq.pptx PLOT DATE : 17 May 2019 PLOT BY : DOTTAH PLOT NAME : 030501_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
1	J1-1(2M)		24 X 60	10.000					1								
	MB2-1		24 X 12														
	M1-1	IH 41	24 X 24														
	M1-1	IH 94	24 X 24														
2	J1-1(2M)		24 X 60	5.000					1								
	MB2-1		24 X 12														
	M1-1	IH 41	24 X 24														
	M1-1	IH 94	24 X 24														
3	R4-7(2M)		24 X 30	5.000					1								
4	R4-7(2M)		24 X 30	5.000					1								
5	R6-2L(2M)		30 X 36	7.500					1								
6	R2-1(2M)	45 MPH	30 X 36	7.500					1								
7	R2-1(2M)	45 MPH	30 X 36	7.500					1								
8	W3-3(2M)		36 X 36		9.000				1								
9	W3-3(2M)		36 X 36		9.000				1								
10	R6-2R(2M)		30 X 36	7.500					1								
11	R5-1A(2M)		42 X 30	8.750					1								
12	R5-1(2M)		36 X 36	9.000					1								
13	J1-1(2M)		24 X 60	10.000					1								
	M2-1		24 X 12														
	M1-5A	CTH A	24 X 24														
	M1-5A	CTH C	24 X 24														
14	J1-1(2M)		24 X 60	10.000					1								
	M2-1		24 X 12														
	M1-5A	CTH A	24 X 24														
	M1-5A	CTH C	24 X 24														
15	R3-20L(2M)		24 X 36	6.000					1								
16	R5-1A(2M)		42 X 30	8.750								15					
17	R5-1(2M)		36 X 36	9.000					1								
18	R1-1						1	1			1		PRIVATE PROPERTY SIGNS - MOVE ONLY				
19	R6-3							1				18					
20	R6-2L(2M)		30 X 36	7.500					1								
21	R4-7(2M)		24 X 30	5.000					1								
22	R4-7(2M)		24 X 30	5.000					1								
23	D1-60(2M)	WEST FRONTAGE ROAD NORTH - SOUTH	96 X 24	16.000					2								
24	D1-60(2M)	WEST FRONTAGE ROAD NORTH - SOUTH	96 X 24	16.000					2								
25	R5-1(2M)		36 X 36	9.000					1								
26	NONE	PUBLIC WORKS					1	1	1								
27	R6-2L(2M)		30 X 36	7.500					1								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_419	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]
28	R2-1(2M)	45 MPH	30 X 36	7.500					1								
29	R2-1(2M)	45 MPH	30 X 36	7.500					1								
30	D4-2R(2M)		30 X 36	7.500					1								
31	R4-4(2M)		36 X 30	7.500					1								
32	R3-53R(2M)		24 X 30	5.000					1								
33	R5-1(2M)		36 X 36	9.000					1								
34	R4-7(2M)		24 X 30	5.000					1								
35	R3-2(2M)		36 X 36	9.000								34					
36	R7-1D(2M)		24 X 30	5.000								37					
37	R5-1A(2M)		42 X 30	8.750					1								
38	M1-95A(2M)	WEST FRONTAGE ROAD	24 X 30	5.000					1								
38A	M6-4(2M)		21 X 21	3.060								38					
39	R5-1(2M)		36 X 36	9.000								38					
40	R1-1F(3)		36 X 36			7.460						44					
41	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
42	R1-2(2M)		48 X 42	7.000					1								
43	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
44	R5-1(2M)		36 X 36	9.000					1								
45	J3-2(2M)		48 X 57	19.000					1								
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
46	R4-7(2M)		24 X 30	5.000									SIGNAL POLE				
47	NONE	ADOPT A HIGHWAY					1	1	1								
48	R7-1R(2M)		24 X 30	5.000					1								
49	R3-20L(2M)		24 X 36	6.000					1								
50	R3-20LL(2M)		24 X 36	6.000					1								
51	J4-1(2M)		24 X 36	6.000					1								
	M3-4		24 X 12														
	M1-6	STH 20	24 X 24														
52	R5-1(2M)		36 X 36	9.000								51					
53	NONE	SHERIFFS PATROL STATION	96 X 24	16.000						2							
54	D4-54R(2M)		60 X 48	20.000								53					
55	R4-7(2M)		24 x 30	5.000					1								
56	R3-2(2M)		36 X 36	9.000								55					
57	R6-2R(2M)		30 X 36	7.500					1								
58	R3-20L(2M)		24 X 36	6.000					1								

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
59	R5-1(2M)		36 X 36	9.000					1								
60	R5-1(2M)		36 X 36	9.000								59					
61	R3-2(2M)		36 X 36	9.000					1								
62	R4-7(2M)		24 X 30	5.000									SIGNAL POLE				
63	R6-3(2M)		30 X 24	5.000									SIGNAL POLE				
64	R1-1F(3)		36 X 36			7.460							SIGNAL POLE				
65	R1-1F(3)		36 X 36			7.460							SIGNAL POLE				
66	R1-2(2M)		48 X 42	7.000					1								
67	R6-2L(2M)		30 X 36	7.500					1								
68	D16-1												. I BEAM INCIDENTAL MOUNT ON S-51-227	6 X 6	36.00		
69	R5-1A(2M)		42 X 30	8.750									ON UPRIGHT OF S-51-227				
70	J2-2(2M)		48 X 60	20.000					2								
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB4-20L		24 X 24														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB4-20L		24 X 24														
71	R3-7R(3)		36 X 36	9.000					1								
72	R7-1D(2M)		24 X 30	6.000								71					
73	J3-4(2M)		96 X 57	38.000					3								
	MB4-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-1		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
74	R11-54F(2M)		48 X 30			10.000			2								
75	R5-1(2M)		36 X 36	9									SIGNAL POLE				
76	R1-2(2M)		48 X 42	7					1								
77	R5-1(2M)		36 X 36	9.000					1								
78	R1-1F(3)		36 X 36			7.460						78					
79	R1-1F(3)		36 X 36			7.460							SIGNAL POLE				
80	D16-1												MOUNT ON S-51-228. I BEAMS INCIDENTAL	6 X 6	36.00		

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_421	E

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
81	J3-2(2M)		48 X 57	19.000									ON LIGHT POLE				
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
82	R4-7(2M)		24 X 30	5.000					1								
83	R6-2L(2M)		30 X 36	7.500									SIGNAL POLE				
84	R5-1(2M)		36 X 36	9.000					1								
85	R5-1A(2S)		36 X 24	6.000								84	3 FOOT HEIGHT				
86	R5-1(2M)		36 X 36	9.000									SIGNAL POLE				
87	R5-1A(2S)		36 X 24	6.000								86	3 FOOT HEIGHT				
88	R3-20L(2M)		24 X 36	6.000									SIGNAL POLE				
89	R3-18(2M)		36 X 36	9.000					1								
90	D1-60	WEST FRONTAGE RD	96 X 24	16.000					2								
		SOUTH - NORTH															
91	J3-2(2M)		48 X 69	23.000						2							
	MB4-1		24 X 12														
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-1		24 X 12														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
92	D16-1R												MOUNT ON S-51-229 I BEAMS INCIDENTAL	5 X 6	30.00		
93	R7-1D(2M)		24 X 30	5.000					1								
94	R3-7R(3)		36 X 36	9.000					1								
95	J3-2(2M)		48 X 69	23.000						2							
	MB4-1		24 X 12														
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-1		24 X 12														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
96	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE				
97	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE				

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
98	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE				
99	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
100	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
101	R1-1F(3)		36 X 36			7.460			1								
102	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
103	R6-3(2M)		30 X 24	5.000									ON SIGNAL POLE				
104	R1-2(2M)		48 X 42	7.000					1								
105	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
106	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
107	R1-2(2M)		48 X 42	7.000					1								
108	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
109	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE				
110	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
111	R5-1(2M)		36 X 36	9.000								101					
112	R5-1(2M)		36 X 36	9.000					1								
113	M1-94H	WEST FRONTAGE RD	96 X 18	12.000									ON MAST ARM SIGNAL.				
114	R4-7(2S)		24 X 30	5.000									ON SIGNAL POLE				
115	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE				
116	M1-94H	WEST FRONTAGE RD	96 X 18										ON MAST ARM SIGNAL				
117	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
118	R3-20LL(2M)		24 X 36	6.000					1								
119	R11-54F(2M)		48 X 30			10.000			2								
120	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
121	R7-1D(2M)		24 X 30	5.000					1								
122	J2-2(2M)		48 X 57	19.000					1								
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB5-1L		21 X 21														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB5-1L		21 X 21														
123	R4-7(2M)		24 X 30	5.000					1								
124	D1-1	MILWAUKEE WITH ARROW	72 X 15	7.500					2								
125	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
126	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
127	R3-1(2M)		36 X 36	9.000					1								
128	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
129	R5-1A(2S)		36 X 24	6.000								128	3 FOOT MOUNTING HEIGHT				
130	R5-1(2M)		36 X 36	9.000					1								
131	R5-1A(2S)		36 X 24	6.000								130	3 FOOT MOUNTING HEIGHT				
132	R6-2L(2M)		30 X 36	7.500					1								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_423	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
133	R4-4(2M)		36 X 30	7.500					1								
134	D1-60	EAST FRONTAGE RD NORTH - SOUTH	96 X 24	16.000					2								
135	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
136	R1-1F(3)		36 X 36			7.460			1								
137	R1-1F(3)		36 X 36			7.460			1								
138	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE				
139	J3-2(2M)		48 X 57	19.000					1								
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
140	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
141	R3-18(2M)		36 X 36	9.000								143					
142	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
143	R1-1F(3)		36 X 36			7.460			1								
144	R5-1(2M)		36 X 36	9.000					1								
145	R1-1F(2M)		36 X 36			7.460							MOUNT ON LIGHT POLE				
146	R11-54F(2M)		48 X 30			10.000			2								
147	R11-54F(2M)		48 X 30			10.000			2								
148	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
149	J3-2(2M)		48 X 57	19.000									ON SIGNAL POLE				
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
150	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE				
151	D1-1	CHICAGO ARROW LEFT	60 X 15	6.250					2								
152	R7-1D(2M)		24 X 30	5.000					1								
153	R3-1(2M)		36 X 36	9.000					1								
154	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
155	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
156	R1-1F(3)		36 X 36			7.460						123					
157	R7-1D(2M)		24 X 30	5.000					1								
158	R5-1A(2M)		42 X 30	8.750								157					
159	D1-60	EAST FRONTAGE RD NORTH - SOUTH	96 X 24	16.000					2								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_424	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
160	J3-2(2M)		48 X 69	23.000						2							
	MB4-1		24 X 12														
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-1		24 X 12														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
161	R3-7R(3)		36 X 36	9.000					1								
162	R3-20LL(2M)		24 X 36	6.000					1								
163	J3-2(2M)		48 X 69	23.000						2							
	MB4-1		24 X 12														
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-1		24 X 12														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
164	M1-95A(2M)		24 X 30	5.000													
	M6-4		21 X 21									164	PART OF SIGN # 164				
165	M1-95A(2M)		24 X 30	5.000													
	M6-4		21 X 21									165	PART OF SIGN # 164				
166	R5-1(2M)		36 X 36	9.000								165					
167	R1-2(2M)		48 X 42	7.000					1								
168	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
169	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
170	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
171	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
172	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE				
173	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE				
174	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
175	R6-3A(2M)		30 X 24	5.000									ON SIGNAL POLE				
176	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
177	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
178	M1-94H	EAST FRONTAGE RD	96 X 18	12.000									MOUNT ON SIGNAL ARM				
179	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
180	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE				
181	R5-1(2M)		36 X 36	9.000									ON SIGNAL POLE				
182	R1-2(2M)		48 X 42	7.000					1								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_425	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
183	R6-3A(2M)		30 X 24	5.000									ON SIGNAL POLE				
184	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
185	R1-1F(3)		36 X 36			7.460							ON SIGNAL POLE				
186	R1-2(2M)		48 X 42	7.000					1								
187	R6-2L(2M)		30 X 36	7.500					1								
188	R4-4(2M)		36 X 30	7.500					1								
189	NOT USED																
190	R5-1A(2M)		42 X 30	8.750					1								
191	D1-1	MILWAUKEE ARROW RIGHT	72 X 15	7.500					2								
192	R3-7R(3)		36 X 36	9.000					1								
193	D16-1												MOUNT ON S-51-230. I BEAMS INCIDENTAL	6 X 6	36.00		
194	D16-1												MOUNT ON S-51-230 I BEAMS INCIDENTAL	6 X 6	36.00		
195	D1-1	CHICAGO AHEAD ARROW	60 X 15	6.250					2								
196	J2-2(2M)		48 X 60	20.000					2								
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB4-20L		24 X 24														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB4-20L		24 X 24														
197	M1-94H	EAST FRONTAGE RD	96 X 18	12.000									MOUNT ON SIGNAL ARM				
198	R1-2(2M)		48 X 42	7.000					1								
199	R6-2L(2M)		30 X 36	7.500					1								
200	W9-1R(2M)		36 X 36		9.000				1								
201	I55-56						1	1	1				DO NOT REPLACE. THIS IS HANDLED BY SEPARATE PROGRAM				
202	D1-3	STURTEVANT 2, HWY 31 5, RACINE 9	78 X 36	19.500					2								
203	R7-1R(2M)		24 X 30	5.000					1								
204	W4-2R(2M)		36 X 36		9.000				1								
205	J4-1(2M)		24 X 36	6.000					1								
	M3-2		24 X 12														
	M1-6	STH 20	24 X 24														
206	R4-4(2M)		36 X 30	7.500					1								
207	R7-1L(2M)		24 X 30	5.000					1								
208	R3-20LL(2M)		24 X 36	6.000					1								
209	J3-2(2M)		48 X 57	19.000					2								
	MB3-3		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB3-2		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
210	M1-95A(2M)		24 X 30	5.000					1								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_426	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
211	M6-4		21 X 21									210					
212	R1-1F(3)		36 X 36			7.460							MOUNT ON SIGNAL POLE				
213	R1-1F(3)		36 X 36			7.460							MOUNT ON SIGNAL POLE				
214	R3-20L (2M)		24 X 36	6.000					1								
215	R2-1(2M)	SPEED LIMIT 45	30 X 36	7.500					1								
216	R2-1(2M)	SPEED LIMIT 45	30 X 36	7.500					1								
217	I2-3	MOUNT PLEASANT POPULATION 26197	102 X 24	17.000					2								
218	D12-2A		60 X 42	17.500					2								
219	R10-64						1	1			1		PERMIT SIGN - VILLAGE SIGN				
220	NOT USED																
221	NOT USED																
222	NOT USED																
223	NOT USED																
224	NOT USED																
225	D1-60	EAST FRONTAGE RD SOUTH NORTH	96 X 24	16.000					2								
226	D1-60	EAST FRONTAGE RD	96 X 24	16.000					2								
227	J1-2(2M) MB2-1 M1-1	SOUTH NORTH IH 41	48 X 39 24 X 15 24 X 24	13.000					1								
	MB2-1		24 X 15														
228	M1-1 J1-2(2M) MB2-1 M1-1	IH 94 IH 41	 48 X 39 24 X 15 24 X 24	 13.000					 1								
	MB2-1		24 X 15														
	M1-1	IH 94															
229	I55-56						1	1	1				MOVE DO NOT REPLACE. HANDLED BY SEPARATE PROGRAM				
230	R2-1(2M)	SPEED LIMIT 55	30 X 36	7.500					1								
231	R2-1(2M)	SPEED LIMIT 55	30 X 36	7.500					1								
232	R2-1(3)	SPEED LIMIT 45	36 X 48	12.000					1								
233	R2-1(3)	SPEED LIMIT 45	36 X 48	12.000					1								
234	D12-2A(2M)		60 X 42	17.500					2								
235	W3-3(2M)		36 X 36		9.000				1								
236	W3-3(2M)		36 X 36		9.000				1								
237	NOT USED																
238	R5-1(2M)		36 X 36	9.000					1								
239	R4-7(2M)		24 X 30	5.000					1								
240	R4-7(2M)		24 X 30	5.000					1								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_427	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
241	R6-2L(2M)		30 X 36	7.500					1								
242	W3-5(2M)	45 MPH	36 X 36		9.000				1								
243	W3-5(2M)	45 MPH	36 X 36		9.000				1								
244	W3-3(2S)		36 X 36		9.000				1								
245	R7-64(2S)		48 X 30	10.000					1								
246	J2-4(2S)		96 X 69	46.000						3							
	M3-4		24 X 12														
	M1-6	STH 20	24 X 24														
	M5-1L		21 X 21														
	M1-6	STH 20	24 X 24														
	M5-1R		21 X 21														
	MB4-1		24 X 12														
	MB3-1		24 X 12														
	M1-1	IH 41	24 X 24														
	MB5-1R		21 X 21														
	MB3-4		24 X 12														
	M1-1	IH 94	24 X 24														
	MB5-1R		21 X 21														
247	D1-3	WATERFORD	102 X 36	25.500						2							
		RACINE															
		MOUNT PLEASANT						1				247					
248		AMTRAK STATION	60 X 24	10.000					2								
249		FRANK LLOYD WRIGHT SIGN					2	1	2								
250	J3-3(2S)		72 X 75	37.500						2							
	M3-4		24 X 12														
	M1-6	STH 20	24 X 24														
	M6-1		21 X 21														
	M3-2		24 X 12														
	M1-6	STH 20	24 X 24														
	M6-1		21 X 21														
	M4-5		24 X 12														
	M1-95A	EAST	24 X 30														
	M6-1		21 X 21														
251		SHERIFF'S SUBSTATION					2	1	2								
252	R5-57(5)		36 X 36	9.000					1								
253	R7-64(2S)		48 X 30	10.000					1								
254	W4-2R(2S)		36 X 36		9.000				1								
255		TOURIST INFORMATION					2	1	2								

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
256	J3-1(2S)		24 X 63	10.500						1							
	M4-5		24 X 12														
	M1-95A	WEST	24 X 30														
	M6-1		21 X 21														
257	NONE	AMTRAK STATION	60 X 24	10.000					2								
258	J3-3(2S)		72 X 75	37.500						2							
	M4-5		24 X 12														
	M3-2		24 X 12														
	M1-95A	EAST	24 X 30														
	M6-1		21 X 21														
	M3-2		24 X 12														
	M1-6	STH 20	24 X 24														
	M6-1		21 X 21														
	M3-4		24 X 12														
	M1-6	STH 20	24 X 24														
	M6-1		21 X 21														
259	R5-1A(3)		42 X 30	8.750									MOUNT ON UPRIGHT OF S-51-250				
260	R5-1A(3)		42 X 30	8.750									MOUNT ON UPRIGHT OF S-51-250				
261	R7-64(2S)		48 X 30	10.000					1								
262	D4-2R(2S)		30 X 36	7.500								261					
263	NOT USED																
264	R3-5R(2S)												MOUNT ON S-51-250, I BEAMS INCIDENTAL	3.5 X 4	14.00		
265	R3-6L(2S)												MOUNT ON S-51-250, I BEAMS INCIDENTAL	3.5 X 4	14.00		
266	R3-5L(2S)												MOUNT ON S-51-250, I BEAMS INCIDENTAL	3.5 x 4	14.00		
267		FRANK LLOYD WRIGHT SIGN					2	1	2								
268	D1-3						2	1	2								
269	R5-57(5)		36 X 36	9.000					1								
270	R7-64(2S)		48 X 30	10.000					1								
271	J3-1(2S)		24 X 63	10.500						1							
	M4-5		24 X 12														
	M1-95A	WEST	24 X 30														
	M6-1		21 X 21														
272	D4-2L(2S)		30 X 36	7.500					1								
273	R3-5R(2S)												MOUNT ON S-51-249, I BEAMS INCIDENTAL	3.5 X 4	14.00		
274	R3-5R(2S)												MOUNT ON S-51-249, I BEAMS INCIDENTAL	3.5 X 4	14.00		
275	R3-6L(2S)												MOUNT ON S-51-249, I BEAMS INCIDENTAL	3.5 X 4	14.00		
276	R3-5L(2S)												MOUNT ON S-51-249, I BEAMS INCIDENTAL	3.5 X 4	14.00		
277	R5-1A(3)		42 X 30	8.750									MOUNT ON UPRIGHT OF S-51-249				
278	R5-1A(3)		42 X 30	8.750									MOUNT ON UPRIGHT OF S-51-249				
279	D4-55L(2S)		36 X 36	9.000					1								
280		TOURIST INFO					2	1	2								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_429	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W [FT.] x H [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
281	W4-2R(2S)		36 X 36		9.000				1								
282	J1-1(2S)		24 X 36	6.000					1								
	M2-1		24 X 12														
	M1-6	STH 20	24 X 24														
283	W3-3(2S)		36 X 36		9.000				1								
284	R3-9B(2S)		24 X 36	6.000					1								
284A	R3-9D(2S)		24 X 6	1.000								284					
285	J3-3(2S)		72 X 57	28.500					2								
	M1-6	STH 20	24 X 24														
	M6-4		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
286	R4-7(2S)		24 X 30	5.000					1								
287	R3-8W(2S)		54 X 30	11.250					2								
288	R2-1(2S)	SPEED LIMIT 35	24 X 30	5.000					1								
289	R5-1(2S)		30 X 30	6.250					1								
290	R4-7(2S)		24 X 30	5.000					1								
291	R3-9B(2S)		24 X 36	6.000					1								
292	R3-8W(2S)		54 X 30	11.250					2								
293	J3-3(2S)		72 X 57	28.500					2								
	M1-6	STH 20	24 X 24														
	M6-4		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
294	R2-1(2S)	SPEED LIMIT 35	24 X 30						1								
295	R5-1(2S)		30 X 30	6.250					1								
296	R7-1D(2S)		18 X 24	3.000					1								
297	M1-95A	WEST	24 X 30	5.000					1								
298	R3-9B(2S)		24 X 36	6.000					1								
299	R2-1(2S)	SPEED LIMIT 35	24 X 30						1								
300	W3-3(2S)		36 X 36		9.000				1								
301	J1-1(2S)		24 X 36	6.000					1								
	M2-1		24 X 12														
	M1-6	STH 20	24 X 24														

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_430	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
302	R4-7(2S)		24 X 30	5.000					1								
303	R5-1A(2S)		36 X 24	6.000					1								
304	J3-3(2S)		72 X 57	28.500					2								
	M1-6	STH 20	24 X 24														
	M6-4		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
305	R5-1(2S)		30 X 30	6.250					1								
306	R3-8GGG		72 X 30	15.000					2								
307	R3-2(2S)		24 X 24	4.000					1								
308	R4-7(2S)		24 X 30	5.000								307					
309	R4-7(2S)		24 X 30	5.000					1								
310	R3-2(2S)		24 X 24	4.000					1								
311	R6-2R(2S)		24 X 30	5.000					1								
312	R5-1(2S)		30 X 30	6.250					1								
313	R4-7(2S)		24 X 30	5.000					1								
314	R4-7(2S)		24 X 30	5.000					1								
315	M1-95A	EAST	24 X 30	5.000					1								
316		ADOPT A HIGHWAY					1	1	1								
317	R5-1A(2S)		36 X 24	6.000					1								
318	W6-2(2S)		36 X 36		9.000				1								
319	R5-1(2S)		30 X 30	6.250					1								
320	W4-2R(2S)		36 X 36		9.000				1								
321	W4-2R(2S)		36 X 36		9.000				1								
322	R5-1A(2S)		36 X 24	6.000					1								
323	R71-D(2S)		18 X 24	3.000					1								
324	R2-1(2S)	SPEED LIMIT 35	24 X 30	5.000					1								
325	R3-20L(2S)		24 X 36	6.000					1								
326	R2-1(2S)	SPEED LIMIT 35	24 X 30	5.000					1								
327	W1-2L(2S)		30 X 30		6.250				1								
328	W1-2L(2S)		30 X 30		6.250				1								
329	R5-1(2S)		30 X 30	6.250					1								
330	R6-2R(2S)		24 X 30	5.000					1								
331	R3-2(2S)		24 X 24	4.000					1								
332	R4-7(2S)		24 X 30	5.000					1								
333	W4-2R(2S)		36 X 36		9.000				1								

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_431	E

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
334	M1-95A	EAST	24 X 30	5.000					1								
335	R5-1(2S)		30 X 30	6.250					1								
336	R3-7R(2S)		30 X 30	6.250					1								
337	R3-8V(2S)		72 X 30	15.000					2								
338	J3-3(2S)		72 X 57	28.500					2								
	M1-6	STH 20	24 X 24														
	M6-4		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 41	24 X 24														
	MB6-1		21 X 21														
	MB4-5		24 X 12														
	M1-1	IH 94	24 X 24														
	MB6-1		21 X 21														
339	R3-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM, SHEET 6 OF 15				
340	R3-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM, SHEET 6 OF 15				
341	R1-1F(3)		36 X 36			7.460				1			SHEET 5 OF 15				
342	R1-1F(3)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 5 OF 15				
343	R4-7(2M)		24 X 30	5.000									ON SIGNAL POLE . Sheet 7 of 15				
344	W9-1R(2M)		36 X 36		9.000				1				SHEET 8 OF 15				
345	W4-2R(2M)		36 X 36		9.000				1				SHEET 8 OF 15				
346	NONE	GATEWAY TECH SIGN						1				247	SHEET 13 OF 15				
347		GATEWAY TECH SIGN						1				257	SHEET 13 OF 15				
348	W2-6						1	1	1				SHEET 1 OF 15				
348A	W13-1							1					SHEET 1 OF 15				
349	D4-2L						1	1	1				SHEET 1 OF 15				
350	R1-1						1	1	1				SHEET 2 OF 15				
351	R6-3A							1					SHEET 2 OF 15				
352	R2-1	SPEED LIMIT 45					1	1	1				SHEET 2 OF 15				
353	R2-1	SPEED LIMIT 45					1	1	1				SHEET 2 OF 15				
354	R10-50L(2M)		30 X 36	7.500									SIGNAL POLE - SHEET 5 OF 15				
355	R10-50L(2M)		30 X 36	7.500									SIGNAL ARM - SHEET 5 OF 15				
356	R10-50L(2M)		30 X 36	7.500									SIGNAL ARM - SHEET 5 OF 15				
357	R10-50L(2M)		30 X 36	7.500									SIGNAL POLE - SHEET 5 OF 15				
358	R10-50L(2M)		30 X 36	7.500									SIGNAL POLE - SHEET 7 OF 15				
359	R10-50L(2M)		30 X 36	7.500									SIGNAL ARM - SHEET 7 OF 15				
360	R10-50L(2M)		30 X 36	7.500									SIGNAL ARM - SHEET 7 OF 15				
361	R10-50L(2M)		30 X 36	7.500									SIGNAL POLE - SHEET 7 OF 15				

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_432	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]
362	NONE	STH 20 WEST WITH DOWN ARROWS											MOUNT ON S-51-230. I BEAMS INCIDENTAL	15 X 4.5	67.50		
363	NONE	NORTH 41, WEST 94 ONLY											MOUNT ON S-51-230. I BEAMS INCIDENTAL	15 X 7	105.00		
364	NONE	EAST FRONTAGE RD SOUTH											SHEET 8 OF 15. MOUNT ON S-51-259 I BEAMS INCIDENTAL	7 X 7	49.00		
365	NONE	SOUTH 41, EAST 94 ARROW											SHEET 8 OF 15. MOUNT ON S-51-259 I BEAMS INCIDENTAL	6 X 5	30.00		
366	NONE	SOUTH 41, EAST 94 WEST 20											SHEET 8 OF 15. MOUNT ON S-51-259 I BEAMS INCIDENTAL	7 X 7	49.00		
367	NONE	NORTH 41, WEST 94 ONLY											SHEET 8 OF 15. MOUNT ON S-51-259 I BEAMS INCIDENTAL	15 X 5	75.00		
368	NONE	EAST FRONTAGE RD NORTH											SHEET 8 OF 15. MOUNT ON S-51-259 I BEAMS INCIDENTAL	7 X 7	49.00		
369	NOT USED																
370-499	NOT USED																
500	NOT USED																
501	NONE	SOUTH RED CLOUD DR ONLY											SHEET 9 OF 15, MOUNT ON S-51-260, I BEAMS INCIDENTAL	8 X 7	56.00		
502	NONE	SOUTH GALAXY DR ONLY											SHEET 9 OF 15, MOUNT ON S-51-260, I BEAMS INCIDENTAL	6 X 7	42.00		
503	R3-7R(2M)		30 X 30	6.250									MOUNT ON UPRIGHT OF S-51-260				
504	R3-7R(2M)		30 X 30	6.250					1				SHEET 9 FO 15				
505																	
506	R1-1(2M)		36 X 36	7.460					1				SHEET 9 OF 15				
507	R6-2L(2M)		30 X 36	7.500					1								
508	R6-2L(2M)		30 X 36	7.500					1								
509	R5-1(2M)		36 X 36	9.000													
510	NOT USED																
511	R3-2(2M)		36 X 36	9.000					1				SHEET 9 OF 15				
512	R3-2(2M)		36 X 36	9.000								525	SHEET 9 OF 15				
513	R3-2(2M)		36 X 36	9.000								526	SHEET 9 OF 15				
514	R5-1(2M)		36 X 36	9.000					1				SHEET 9 OF 15				
515	R5-1(2M)		36 X 36	9.000								514	SHEET 9 OF 15				
516	W12-1R(2M)		24 X 24		4.000				1				SHEET 9 OF 15. 2 FOOT MOUNTING HEIGHT				
517	R4-7(2S)		24 X 30	5.000					1				SHEET 9 OF 15.				

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0622 POSTS WOOD 4" X 6" X 22' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.]	637.1220 SIGNS TYPE I REFLECTIVE SH [SF]	637.1230 SIGNS TYPE I REFLECTIVE F [SF]	638.2101 MOVING SIGNS TYPE I [EA]
518	R1-1(2M)		36 X 36	7.460					1				SHEET 9 OF 15				
519	R1-1(2M)		36 X 36	7.460					1				SHEET 9 OF 15				
520	R3-53R(2S)		24 X 30	5.000								519	SHEET 9 OF 15				
521	W3-1(2S)		36 X 36		9.000						1		SHEET 9 OF 15				
522	R5-1C(2M)		36 X 36	7.460								519	TRIM TO OCTAGON SHAPE SHEET 9 OF 15				
523	J3-1		24 X 45	7.500					1				SHEET 9 FO 15				
	M1-6	STH 20	24 X 24														
	M6-4		21 X 21														
524	R6-2R(2M)		30 X 36	7.500					1								
525	R4-7(2M)		24 X 30	5.000					1								
526	R4-7(2M)		24 X 30	5.000					1								
526	W3-3(2M)		36 X 36		9.000				1				SHEET 10 FO 15 TEMP FLAGS INCIDENTAL				
528	W3-3(2M)		36 X 36		9.000				1				SHEET 10 FO 15 TEMP FLAGS INCIDENTAL				
529	R4-4(2M)		36 X 30	7.500					1				SHEET 10 FO 15				
530	NONE	SOUTH RED CLOUD DR ONLY											MOUNT ON S-51-261 , I BEAMS INCIDENTAL . SHEET 10 OF 15	8 X 7	56.00		
531	R3-20LL(2M)		24 X 36	6.000					1				SHEET 10 OF 15				
532	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 10 OF 15				
533	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 10 OF 15				
534	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 10 OF 15				
535	R3-7R(2M)		30 X 30	6.250					1				SHEET 10 OF 15				
536	R2-1(2M)	45 MPH	30 X 36	7.500					1				SHEET 10 OF 15				
537	R2-1(2M)	45 MPH	30 X 36	7.500					1				SHEET 10 OF 15				
538	R3-20L(2M)		24 X 36	6.000					1				SHEET 10 OF 15				
539	J4-1(2M)		24 X 36	6.000					1				SHEET 10 OF 15				
	M1-6	STH 20	24 X 24														
	M3-4		24 X 12														
540	J4-1(2M)		24 X 36	6.000					1				SHEET 10 OF 15				
	M1-6	STH 20	24 X 24														
	M3-4		24 X 12														
541	R3-20LL(2M)		24 X 36	6.000					1				SHEET 10 OF 15				
542	R3-7R(2M)		30 X 30	6.250					1				SHEET 10 OF 15				
543	R3-20L(2M)		24 X 36	6.000					1				SHEET 10 OF 15				
544	R3-7R(2M)		30 X 30	6.250					1				SHEET 11 OF 15				
545	R5-1(2M)		36 X 36	9.000								544	SHEET 11 OF 15				
546	R6-2L(2M)		30 X 36	7.500					1				SHEET 11 OF 15				
547	M1-94S	20 WASHINGTON AVE	96 X 18	12.000									MOUNT ON SIGNAL ARM. SHEET 11 OF 15				

TYPE I & II PERMANENT SIGNING

1033-02-71 IH 94 at STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.] x H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	TYPE I SIGN SIZE W x H [FT.] x [FT.]	**637.1220** SIGNS TYPE I REFLECTIVE SH [SF]	**637.1230** SIGNS TYPE I REFLECTIVE F [SF]	**638.2101** MOVING SIGNS TYPE I [EA]
548	R3-8WW(2S)		72 X 30	15.000							2		SHEET 11A OF 15				
549	J3-1(2S)		24 X 45	7.500							1		SHEET 11A OF 15				
	M1-6	STH 20	24 X 24														
	M6-4		21 X 21														
550	W3-3(2S)		36 X 36		9.000						1		SHEET 11A OF 15				
551	W3-3(2S)		36 X 36		9.000						1		SHEET 11A OF 15				
552	R3-8WW(2S)		72 X 30	15.000							2		SHEET 11A OF 15				
553	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
554	R6-3(2M)		30 X 24	5.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
555	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
556	R1-2(2M)		48 X 42	7.000					1				SHEET 11 OF 15				
557	R6-2L(2M)		30 X 36	7.500									ON SIGNAL POLE. SHEET 11 OF 15				
558	M1-94H	RED CLOUD DR	96 X 18	12.000									MOUNT ON SIGNAL ARM. SHEET 11 OF 15				
559	J4-1(2M)		24 X 36	6.000					1				SHEET 11 OF 15				
	M1-6	STH 20	24 X 24														
	M3-2		24 X 12														
560	J4-1(2M)		24 X 36	6.000					1				SHEET 11 OF 15				
	M1-6	STH 20	24 X 24														
	M3-2		24 X 12														
561	R3-20LL(2M)		24 X 36	6.000					1				SHEET 11 OF 15				
562	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE SHEET 11 OF 15				
563	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE SHEET 11 OF 15				
564	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE SHEET 11 OF 15				
565	R10-50L(2M)		30 X 36	7.500									MOUNT ON SIGNAL ARM OR POLE SHEET 11 OF 15				
566	M1-94S	20 WASHINGTON AVE	96 X 18	12.000									MOUNT ON SIGNAL ARM . SHEET 11 OF 15				
567	R5-1A(2M)		42 X 30	8.750					1				SHEET 11 OF 15				
568	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
569	R1-1F(2M)		36 X 36			7.460							MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
570	R5-1(2M)		36 X 36	9.000					1				SHEET 11 OF 15				
571	R6-2L(2M)		30 X 36	7.500									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
572	R4-7(2S)		24 X 30	5.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
573	R5-1(2M)		36 X 36	9.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
574	R5-1(2M)		36 X 36	9.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
575	R4-7(2M)		24 X 30	5.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
576	R4-7(2S)		24 X 30	5.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				
577	R5-1(2M)		36 X 36	9.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15				

TYPE I & II PERMANENT SIGNING

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
578	R4-7(2M)		24	X	30	5.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15
579	R6-2L(2M)		30	X	36	7.500									MOUNT ON SIGNAL POLE. SHEET 11 OF 15
580	M1-94H	RED CLOUD DR	96	X	18	12.000									MOUNT ON SIGNAL ARM. SHEET 11 OF 15
581	R1-1F(2M		36	X	36			7.460							MOUNT OF SIGNAIL POLE.SHEET 11 OF 15
582	R1-1F(2M		36	X	36			7.460							MOUNT ON SIGNAL POLE. SHEET 11 OF 15
584	J3-1(2S)		24	X	45	7.500							1		SHEET 11B OF 15
	M1-6	STH 20	24	X	24										
	M6-4		21	X	21										
585	W3-3(2S)		36	X	36		9.000						1		SHEET 11B OF 15
586	W3-3(2S)		36	X	36		9.000						1		SHEET 11B OF 15
587	R6-3(2M)		30	X	24	5.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15
588	R1-1F(2M)		36	X	36			7.460							MOUNT ON SIGNAL POLE. SHEET 11 OF 15
589	R3-8WW(2S)		72	X	30	15.000							2		SHEET 11B OF 15
590	R5-1(2M)		36	X	36	9.000									MOUNT ON SIGNAL POLE. SHEET 11 OF 15
591	D1-65	RED CLOUD DR NEXT SIGNAL	96	X	30	20.000					2				SHEET 12 OF 15
592	D1-65	RED CLOUD DR NEXT SIGNAL	96	X	30	20.000					2				SHEET 12 OF 15
593	R3-20L(2M)		24	X	36	6.000					1				SHEET 12 OF 15
594	W3-3(2M)		36	X	36		9.000				1				TEMP FLAGS INCIDENTAL. SHEET 12 OF 15
595	W3-3(2M)		36	X	36		9.000				1				TEMP FLAGS INCIDENTAL. SHEET 12 OF 15
596	D1-61	NORTH RED CLOUD WITH ARROW	72	X	36	9.000					2				SHEET 10 OF 15
597	NOT USED														
598	R3-8WW(2S)		72	X	30	7.500							2		SHEET 11B OF 15
599	J3-1(2S)		24	X	45	7.500							1		SHEET 11B OF 15
	M1-6	STH 20	24	X	24										
	M6-4		21	X	21										
600	J3-1(2S)		24	X	45	7.500							1		SHEET 11A OF 15
	M1-6	STH 20	24	X	24										
	M6-4		21	X	21										
601	R3-53R(2M)		24	X	30	5.000								506	SHEET 9 OF 15
602	R5-1A(2M)		42	X	30	8.750					1				SHEET 10 OF 15
603	R5-1(2S)		30	X	30	6.250					1				SHEET 11 OF 15

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE I & II PERMANENT SIGNING

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	SIGN SIZE H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.3000** REMOVING SMALL SIGN SUPPORTS [EA]	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	**634.0622** POSTS WOOD 4" X 6" X 22' [EA]	**634.0816** POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
604	R3-1								1	1	1				SHEET 3 OF 15
604A	M4-4									1				604	MOUNT ABOVE # 604
605	R5-2(2M)		24	X	24	4.000					1				SHEET 4 OF 15
605A	M6-1		21	X	21	3.060								605	SHEET 4 OF 15
606	R5-2(2M)								1	1			1		SHEET 4 OF 15
606A	NONE	EXCEPT DELIVERIES								1				606	SHEET 4 OF 15
607	R3-2								1	1	1				SHEET 4 OF 15
607A	M4-4									1				607	SHEET 4 OF 15
608	I2-3								2	1	2				SHEET 4 OF 15
609	D1-1	YORKVILLE (ARROW RIGHT)							2	1	2				SHEET 13 OF 15
610	R3-2								1	1	1				SHEET 14 OF 15
610A	M4-4									1				610	SHEET 14 OF 15
611	R7-1D(2S)		18	X	24	3.000					1				SHEET 14 OF 15
612	R3-7R(2M)		30	X	30	6.250								33	SHEET 4 OF 15
613	R3-7R(2M)		30	X	30	6.250					1				SHEET 4 OF 15
UNDISTRIBUTED						--	--	--	--	3	5	--	--	--	--
TOTALS						3035.96 *	268.5 *	345.86 *	32 *	37 *	318 *	22	20	--	--

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_437	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030502_mq.pptx PLOT DATE : 8 July 2019 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

OVERHEAD SIGN SUPPORTS - MISC QUANTITIES 1033-02-71 IH 94 at STH 20

LOCATION	Category Code 4000 OVERHEAD SIGN SUPPORT STRUCTURE S-51-227 L.S. 641.8100.01	Category code 4020 OVERHEAD SIGN SUPPORT STRUCTURE S-51-229 L.S. 641.8100.02	Category Code 4010 OVERHEAD SIGN SUPPORT STRUCTURE S-51-228 L.S. 641.8100.03	Category Code 4030 OVERHEAD SIGN SUPPORT STRUCTURE S-51-230 L.S. 641.8100.05	Category Code 4060 OVERHEAD SIGN SUPPORT STRUCTURE S-51-259 L.S. 641.8100.08	Category Code 4040 OVERHEAD SIGN SUPPORT STRUCTURE S-51-249 L.S. 641.8100.06	Category Code 4050 OVERHEAD SIGN SUPPORT STRUCTURE S-51-250 L.S. 641.8100.07
STH 20 EB at IH 41 South Ramp	1						
STH 20 WB at West Frontage Road		1					
STH 20 EB at Look Ahead Lane			1				
STH 20 WB at IH 41 NB on Ramp				1			
STH 20 WB AT EAST FRONTAGE RD					1		
SE RAMP IH 41 NB EXIT RAMP TO STH 20						1	
IH 41 SB EXIT RAMP TO STH 20 RAMP NW							1
TOTAL	1	1	1	1	1	1	1

NON-PARTICIPATING QTYS AS FOLLOWS:

OVERHEAD SIGN SUPPORTS - MISC QUANTITIES 1033-02-71

LOCATION	Category Code 6000 OVERHEAD SIGN SUPPORT STRUCTURE S-51-260 L.S. 641.8100.08	Category Code 6000 OVERHEAD SIGN SUPPORT STRUCTURE S-51-261 L.S. 641.8100.09
STH 20 EB AT GALAXY DRIVE	1	
STH 20 EB AT RED CLOUD DRIVE		1
TOTAL	1	1

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\1033-02-71\030201_mq.pptx PLOT DATE : 5/17/2019 PLOT BY : DOTCMV PLOT NAME : 030201_MQ.pdf PLOT SCALE : 1:1

TYPE II PERMANENT SIGNING

1033-02-71 STH 20

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	**637.2210** SIGNS TYPE II REFLECTIVE H [SF]	**637.2230** SIGNS TYPE II RELFECTIVE F [SF]	**637.2215** SIGNS TYPE II REFLECTIVE H FOLDING [SF]	**638.2602** REMOVING SIGNS TYPE II EACH	**638.3000** REMOVING SMALL SIGN SUPPORTS EACH	**638.2102** MOVING SIGNS TYPE II [EA]	**634.0618** POSTS WOOD 4" X 6" X 18' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
801	R5-1(2M)		36	X	36	9.000						1		
802	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
803	R1-1F(3)		36	X	36			7.460						MOUNT ON SIGNAL POLE
804	M1-94S	20 - WASHINGTON AVE	X		X	TBD								MOUNT ON SIGNAL ARM
805	R4-7(2S)		24	X	30	5.000			1.000					
806	R1-1F(3)		36	x	36			7.460	1.000					MOUNT ON SIGNAL POLE
807	R6-2L(2S)		24	X	30	5.000								
808	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
809	R10-50L(2M)		30	X	36	7.500								MOUNT ON SIGNAL ARM
810	R1-1F(3)		36	X	36			7.460						
811	R5-1(2S)		30	X	30	6.250						1		
812	M1-94S	H- RENAISSANCE BLVD	X		X	TBD								ON SIGNAL ARM
813	R6-2L(2M)		30	X	36	7.500								MOUNT ON SIGNAL POLE
814	R10-11F								1.000	1.000				
815	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
816	R4-7(2M)		24	X	30	5.000			1.000					MOUNT ON SIGNAL POLE
817	R10-50L(2M)		30	X	36	7.500								ON SIGNAL ARM
818	R3-4(2M)		36	X	36	9.000			1.000					MOUNT ON LIGHT POLE
819	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
820	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
821	R5-1(2M)		36	X	36	9.000						1		
822	R1-2(2M)		48	X	42	7.000			1.000	1.000		1		
823	M1-94S	20 WASHINGTON AVE	X		X	TBD								MOUNT ON SIGNAL ARM
824	R4-7(2S)		24	X	30	5.000			1.000					MOUNT ON SIGNAL POLE
825	R10-50L(2M)		30	X	36	7.500								MOUNT ON SIGNAL ARM
826	R5-1(2S)		30	X	30	6.250						1		
827	R1-2(2M)		48	X	42	7.000			1.000	1.000		1		
828	R6-2L(2M)		30	X	36	7.500								MOUNT ON SIGNAL POLE
829	M1-94S	H - RENAISSANCE BLVD	X	X	X	TBD								MOUNT ON SIGNAL ARM
830	R4-7(2M)		24	X	30	5.000			1.000					MOUNT ON SIGNAL POLE
831	R10-50L(2M)		30	X	36	7.500								MOUNT ON SIGNAL POLE
832	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
833	R1-1F(3)		36	X	36			7.460	1.000					MOUNT ON SIGNAL POLE
834	R6-2L(2S)		24	X	30	5.000								MOUNT ON SIGNAL POLE
UNDISTRIBUTED						--	20.000	--			3		--	--
TOTALS						128.5*	20*	74.6*	16*	3*	3*	6*	--	--

* additional qtys shown elsewhere

SHEET: 1 OF 1

PROJECT NO: 1033-02-71	HWY: STH 20 at Renaissance Blvd	COUNTY: RACINE	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: PRE_439	E

FILE NAME : N:SPO/OPERATIONS/SIGNING/MISCELLANEOUS QUANTITIES\1033-02-71\030503_MQ.pptx PLOT DATE : ____1-30-19 PLOT BY : __tah PLOT NAME : 030503_mq.pdf PLOT SCALE : 1:1

CATEGORY 6100
LIGHTING REMOVAL ITEMS

204.0195 REMOVING CONCRETE BASES
204.9060.S.1000 REMOVING PULL BOXES
SPV.0060.1000 DISTRIBUTION CENTER SALVAGED

SYSTEM	LOCATION	ITEM	204.0195 REMOVING CONCRETE BASES EACH	204.9060.S.1000 REMOVING PULL BOXES EACH	SPV.0060.1000 DISTRIBUTION CENTER SALVAGED EACH
RZ	295+15, 80' LT	LPB101	--	1	--
RZ	295+40, 70' RT	LBP102	--	1	--
RZ	294+95, 80' LT	HL-51-RZ	1	--	1
	TOTAL (6100)		**1**	**2**	**1**

CATEGORY 6100
LIGHTING WIRE QUANTITIES
240/480 VAC

655.0620 ELECTRICAL WIRE LIGHTING 8 AWG
655.0625 ELECTRICAL WIRE LIGHTING 6 AWG

SYSTEM	NETWORK	LOCATION TO LOCATION	DISTANCE	655.0620 8 AWG LF	655.0625 6 AWG LF
HL-51-RZ	A/B/N/G	HL-51-RZ TO LPB1 TO LPB13 TO LPB14 TO INTERCEPT EXISTING	270	1080	--
HL-51-RZ	C/N/G	HL-51-RZ TO LPB1 TO LPB2 TO LPB3 TO POLE CRZ1	380	380	760
HL-51-RZ	C/N/G	POLE CRZ1 TO POLE CRZ2	200	200	400
HL-51-RZ	C/N/G	POLE CRZ2 TO POLE CRZ3	530	530	1060
HL-51-RZ	C/N/G	POLE CRZ3 TO LPB4 TO LPB5 TO POLE CRZ4	200	600	--
HL-51-RZ	C/N/G	POLE CRZ4 TO LPB6 TO POLE CRZ5/CRZ6	270	810	--
HL-51-RZ	C/N/G	POLE CRZ5/CRZ6 TO POLE CRZ7/CRZ8	150	450	--
HL-51-RZ	D/N/G	HL-51-RZ TO LPB1 TO LPB13 TO LPB14 TO LPB15 TO LPB16 TO POLE DRZ1	480	1440	--
HL-51-RZ	D/N/G	POLE DRZ1 TO LPB17 TO POLE DRZ2/DRZ3	260	780	--
HL-51-RZ	D/N/G	POLE DRZ2/DRZ3 TO POLE DRZ4/DRZ5	110	330	--
HL-51-RZ	D/N/G	POLE DRZ4/DRZ5 TO LPB18 TO POLE DRZ6	210	630	--
HL-51-RZ	D/N/G	POLE DRZ6 TO LPB19 TO LPB20 TO DRZ7	200	600	--
HL-51-RZ	E/N/G	HL-51-RZ TO LPB1 TO LPB13 TO LPB12 TO LPB11 TO POLE ERZ1	380	380	760
HL-51-RZ	E/N/G	POLE ERZ1 TO LPB10 TO POLE ERZ2/ERZ3	200	200	400
HL-51-RZ	E/N/G	POLE ERZ2/ERZ3 TO POLE ERZ4/ERZ5	135	135	270
HL-51-RZ	E/N/G	POLE ERZ4/ERZ5 TO POLE ERZ6/ERZ7	130	390	--
HL-51-RZ	E/N/G	POLER ERZ6/ERZ7 TO LPB9 TO POLE ERZ8	220	660	--
HL-51-RZ	E/N/G	POLE ERZ8 TO LPB8 TO LPB7 TO POLE ERZ9	195	585	--
HL-51-RZ	F/N/G	HI-51-RZ TO LPB27 TO LPB26 TO LPB25 TO LPB24 TO POLE FRZ1	480	1440	--
HL-51-RZ	F/N/G	POLE FRZ1 TO POLE FRZ2	330	990	--
HL-51-RZ	F/N/G	POLE FRZ2 TO LPB23 TO LPB22 TO POLE FRZ3	190	570	--
HL-51-RZ	F/N/G	POLE FRZ3 TO LPB21 TO POLE FRZ4/FRZ5	235	705	--
		TOTAL (6100)		**13,885**	**3,650**

CATEGORY 6100
LIGHTING BRANCH CIRCUIT CONDUIT

652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH
652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH

SYSTEM	LOCATION TO LOCATION	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH
		LF	
HL-51-RZ	HL-51-RZ TO LPB1	--	10
HL-51-RZ	LPB1 TO LPB2	320	--
HL-51-RZ	LPB2 TO LPB3	--	50
HL-51-RZ	LPB3 TO LPB4	760	--
HL-51-RZ	LPB4 TO LPB5	--	120
HL-51-RZ	LPB5 TO LPB6	70	--
HL-51-RZ	LPB6 TO POLE CRZ5/CRZ6	--	160
HL-51-RZ	POLE CRZ5/CRZ6 TO SUBOUT EAST	175	--
HL-51-RZ	LPB1 TO LPB13	--	160
HL-51-RZ	LPB13 TO LPB12	110	--
HL-51-RZ	LPB12 TO LPB11	--	90
HL-51-RZ	LPB11 TO LPB10	120	--
HL-51-RZ	LPB10 TO POLE ERZ2/ERZ3	--	100
HL-51-RZ	LPB10 TO LPB9	260	--
HL-51-RZ	POLE ERZ2/ERZ3 TO POLE ERZ6/ERZ7	235	--
HL-51-RZ	POLE ERZ6/ERZ7 TO LPB9	--	100
HL-51-RZ	LPB9 TO LPB8	160	--
HL-51-RZ	LPB8 TO LPB7	--	115
HL-51-RZ	LPB7 TO STUB OUT EAST	65	--
HL-51-RZ	LPB13 TO LPB15	220	--
HL-51-RZ	LPB15 TO LPB16	--	50
HL-51-RZ	LPB16 TO LPB17	210	--
HL-51-RZ	LPB17 TO POLE DRZ2/DRZ3	--	100
HL-51-RZ	POLE DRZ2/DRZ3 TO POLE DRZ4/DRZ5	110	--
HL-51-RZ	POLE DRZ4/DRZ5 TO LPB18	--	90
HL-51-RZ	LPB17 TO LPB18	110	--
HL-51-RZ	LPB18 TO LPB19	150	--
HL-51-RZ	LPB19 TO LPB20	--	120
HL-51-RZ	LPB2O TO STUBOUT WEST	75	--
HL-51-RZ	HL-51-RZ TO LPB27	--	10
HL-51-RZ	LPB26 TO LPB25	200	--
HL-51-RZ	LPB25 TO LPB24	--	70
HL-51-RZ	LPB24 TO LPB23	390	--
HL-51-RZ	LPB23 TO LPB22	--	110
HL-51-RZ	LPB22 TO LPB21	210	--
HL-51-RZ	LPB21 TO POLE FRZ4/FRZ5	--	55
HL-51-RZ	POLE FRZ4/ FRZ5 TO STUBOUT EAST	45	--
	TOTAL (6100)	**3,995**	**1,510**

CATEGORY 6100
LIGHTING PULL BOX QUANTITIES

653.0154 PULL BOXES NON-CONDUCTIVE 24X36-INCH
653.0164 PULL BOXES NON-CONDUCTIVE 24X48-INCH

SYSTEM	LABEL	LOCATION	653.0154 PULL BOXES NON - CONDUCTIVE 24X36-INCH	653.0164 PULL BOXES NON - CONDUCTIVE 24X48-INCH
			EACH	EACH
HL-51-RZ	LPB1	294+99.04 LEFT	1	--
HL-51-RZ	LPB2	295+78.52 LEFT	--	1
HL-51-RZ	LPB3	296+24.87 LEFT	--	1
HL-51-RZ	LPB4	302+27.10 LEFT	--	1
HL-51-RZ	LPB5	303+51.49 LEFT	--	1
HL-51-RZ	LPB6	304+87.93 C.I.M.	1	--
HL-51-RZ	LPB7	303+48.17 RIGHT	1	--
HL-51-RZ	LPB8	302+28.46 RIGHT	1	--
HL-51-RZ	LPB9	300+69.19 RIGHT	1	--
HL-51-RZ	LPB10	297+99.43 RIGHT	1	--
HL-51-RZ	LPB11	297+8.88 RIGHT	1	--
HL-51-RZ	LPB12	296+24.24 RIGHT	--	1
HL-51-RZ	LPB13	295+32.45 RIGHT	1	--
HL-51-RZ	LPB14	294+36.66 RIGHT	1	--
HL-51-RZ	LPB15	293+15.61 RIGHT	--	1
HL-51-RZ	LPB16	292+65.98 RIGHT	1	--
HL-51-RZ	LPB17	290+61.24 RIGHT	1	--
HL-51-RZ	LPB18	289+51.13 RIGHT	1	--
HL-51-RZ	LPB19	288+17.66 RIGHT	1	--
HL-51-RZ	LPB20	286+98.21 RIGHT	1	--
HL-51-RZ	LPB21	285+11.45, LEFT	1	--
HL-51-RZ	LPB22	287+6.05 LEFT	--	1
HL-51-RZ	LPB23	288+11.21 LEFT	--	1
HL-51-RZ	LPB24	290+88.86 LEFT	--	1
HL-51-RZ	LPB25	291+60.19 LEFT	--	1
HL-51-RZ	LPB26	292+69.46 LEFT	--	1
HL-51-RZ	LPB28	294+75.98 LEFT	--	1
TOTAL			15	12

3

CATEGORY 6100
LIGHT POLE QUANTITIES 6-INCH ARM CLAMPS
240/480 VAC

654.0107	CONCRETE BASES TYPE 7
655.0610	ELECTRICAL WIRE LIGHTING 12 AWG
657.0330	POLES TYPE 7
657.0630	LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 8-FT
657.0635	LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 10-FT
659.1125	LUMINAIRES UTILITY LED C

SYSTEM	STATION	OFFSET	ITEM	654.107 CONCRETE BASES TYPE 7	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	657.0330 POLES TYPE 7	657.0630 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 8-FT	657.0635 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 10-FT	659.1125 LUMINAIRES UTILITY LED C
				EACH	L.F.	EACH	EACH	EACH	EACH
HL-51-RZ	296+26.33	329.76' LT	CRZ1	1	150	1	1	--	1
HL-51-RZ	296+94.27	122.19' LT	CRZ2	1	150	1	1	--	1
HL-51-RZ	302+13.02	132.18' LT	CRZ3	1	150	1	1	--	1
HL-51-RZ	303+79.16	118.15' LT	CRZ4	1	150	1	1	--	1
HL-51-RZ	305+87.93	C.I.M.	CRZ5/CRZ6	1	312	1	--	2	2
HL-51-RZ	306+85.01	C.I.M.	CRZ7/CRZA	1	312	1	--	2	2
HL-51-RZ	292+33.33	111.59' RT	DRZ1	1	150	1	1	--	1
HL-51-RZ	290+58.76	C.I.M.	DRZ2/DRZ3	1	312	1	--	2	2
HL-51-RZ	289.49.67	C.I.M.	DRZ4/DRZ5	1	312	1	--	2	2
HL-51-RZ	288+27.03	123.24 RT	DRZ6	1	150	1	1	--	1
HL-51-RZ	286+72.8	98.35' RT	DRZ7	1	150	1	1	--	1
HL-51-RZ	297+8.88	164.02' RT	ERZ1	1	150	1	1	--	1
HL-51-RZ	297+98.28	C.I.M.	ERZ2/ERZ3	1	312	1	--	2	2
HL-51-RZ	299+39.03	C.I.M.	ERZ4/ERZ5	1	312	1	--	2	2
HL-51-RZ	300+68.85	C.I.M.	ERZ6/ERZ7	1	312	1	--	2	2
HL-51-RZ	302+2.84	103.71 RT	ERZ8	1	150	1	1	--	1
HL-51-RZ	303+65.35	108.74 RT	ERZ9	1	150	1	1	--	1
HL-51-RZ	290+94.94	237.19 LT	FRZ1	1	150	1	1	--	1
HL-51-RZ	288+38.76	104.85 LT	FRZ2	1	150	1	1	--	1
HL-51-RZ	286+83.69	103.26' LT	FRZ3	1	150	1	1	--	1
HL-51-RZ	285+39.17	C.I.M.	FRZ4/FRZ5	1	312	1	--	2	2
TOTAL (6100)				**21**	**4,446**	**21**	**13**	**16**	**29**

LIGHTING - CONTROL AND SERVICES
240/480 VAC 3-WIRE

654.0230 CONCRETE CONTROL CABINET BASES TYPE L30
655.0640 ELECTRICAL WIRE LIGHTING 1 AWG
656.0400 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL (HL-51-RZ)

CATEGORY	DESCRIPTION	LOCATION	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30	655.0640 ELECTRICAL WIRE LIGHTING 1 AWG	656.0400 ELECTRICAL SERVICES MAIN LUGS ONLY METER PEDESTAL (HL-51-RZ)	COMMENTS
6100			EACH	LF	LS	
6100	HL-51-RZ	NW CORNER I-94 NB RAMPS AND WIS-20	1	18	1	INSTALL SALVAGED CABINET (HL-51-RZ)
		SUBTOTAL	1	18	1	
		TOTALS	1	18	1	

LIGHTING - LIGHTING SYSTEMS

SPV.0105.1000 LIGHTING SYSTEM INTEGRATOR
SPV.0105.1001 LIGHTING SYSTEM SURVEY

CATEGORY	DESCRIPTION	LOCATION	SPV.0105.1000 LIGHTING SYSTEM INTEGRATOR	SPV.0105.1001 LIGHTING SYSTEM SURVEY	COMMENTS
			LS	LS	
6100	PROJECT (1033-02-71)	I-94	1	1	SYSTEM HL-51-RZ
		SUBTOTAL	1	1	
6100		TOTALS	1	1	

3

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
2	POLES, TYPE 10
1	POLES, TYPE 9 SPECIAL
1	POLES, TYPE 10 SPECIAL
1	POLES, TYPE 12
2	MONOTUBE ARMS, 20-FT
1	MONOTUBE ARMS, 35-FT, TYPE 9/10 SPEC POLE
1	MONOTUBE ARMS, 45-FT, TYPE 9/10 SPEC POLE
1	MONOTUBE ARMS, 55-FT
6	LUMINAIRE ARMS, STEEL, 15-FT
4	EVP DETECTOR HEADS
4	EVP CONFIRMATION LIGHT

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
SB13	1
SB14	1
TOTAL	14 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	POLES TYPE 10 EACH	POLES TYPE 9 SPECIAL EACH	POLES TYPE 10 SPECIAL EACH	POLES TYPE 12 EACH	MONOTUBE ARMS 20-FT EACH	MONOTUBE ARMS 35-FT EACH	MONOTUBE ARMS 45-FT EACH	MONOTUBE ARMS 55-FT EACH	LUMINAIRE ARMS STEEL, 15-FT EACH	EVP DETECTOR HEADS EACH	EVP CONFIRMATION LIGHT EACH
SB3	--	--	1	--	--	--	1	--	2	1	1
SB5	--	--	--	--	--	--	--	--	--	1	1
SB6	--	--	--	1	--	--	--	1	--	--	--
SB8	1	--	--	--	1	--	--	--	2	--	--
SB9	--	1	--	--	--	1	--	--	--	1	1
SB11	1	--	--	--	1	--	--	--	2	1	1
TOTAL	2	1	1	1	2	1	1	1	6	4	4

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: PRE_445	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_mq.pdf PLOT SCALE : 1:1

STH 20 & W FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0728

REMOVE TRAFFIC SIGNALS

LOCATION	204.9105.S.3001 REMOVING TRAFFIC SIGNALS L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE

LOCATION	204.9105.S.3005 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	PB1	--	57
PB1	PB2	--	54
PB2	SB1	5	--
PB2	SB2	5	--
PB1	PB20	176	--
PB20	PB52	64	--
PB1	PB3	--	144
PB3	PB4	--	72
PB4	SB3	--	8
PB4	PB5	--	190
PB5	PB6	--	92
PB6	PB7	--	53
PB7	SB4	6	--
PB6	PB21	193	--
PB6	PB8	--	136
PB8	SB5	10	--
PB8	PB9	--	106
PB9	PB10	--	64
PB10	SB6	--	8
PB10	PB11	--	46
PB11	SB7	5	--
PB10	PB12	--	70
PB12	PB22	176	--
PB22	PB23	150	--
PB12	PB13	--	156
PB13	PB24	24	--
PB13	PB14	--	58
PB14	SB8	--	21
PB14	SB9	--	18
PB14	PB15	--	136
PB15	PB25	186	--
PB15	PB16	--	65
PB16	SB10	5	--
PB15	PB17	--	114
PB17	PB26	220	--
PB17	PB18	--	130
PB18	SB11	--	10
PB18	PB19	--	114
PB19	CB1	--	75
	TOTAL	1225 *	1997 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

PRE_446

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_mq.pdf PLOT SCALE : 1:1

STH 20 & W FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0728

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
11	PB24		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	339	240
12	PB24		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	86	339	258
13	PB24		6'x14'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	68	339	272
21	PB51		6'x8'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	443	450
22	PB51		6'x8'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	66	443	330
23	PB20		6'x6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	209	392
24	PB20		6'x6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	122	209	488
31	PB8		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	350	210
32	PB8		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	350	216
41	PB26		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	58	381	290
42	PB16		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	102	283	306
43	PB16		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	92	283	276
51	PB3		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	105	210
52	PB3		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	105	210
53	PB4		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	141	216
54	PB4		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	141	216
61	PB23		6'x14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	719	460
62	PB23		6'x14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	116	719	580
63	PB23		6'x14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	140	719	700
64	PB22		6'x10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	84	569	420
65	PB22		6'x10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	569	540
66	PB22		6'x10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	132	569	660
71	PB18		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	96	210
72	PB18		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	96	216
81	PB21		6'x8'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	66	475	330
82	PB7		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	106	335	318
83	PB7		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	90	335	270
S1	PB25		6'x6'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	68	404	340
S2	PB25		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	404	460
					TOTAL	2290 *	9452 *	9314 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
^ LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_mq.pdf PLOT SCALE : 1:1

3

PULL BOXES

PULL BOX NO.	LOCATION**	653.0135 PULL BOXES STEEL 24x36-INCH EACH	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1		--	1
PB2		--	1
PB3		--	1
PB4		--	1
PB5		--	1
PB6		--	1
PB7		--	1
PB8		--	1
PB9		--	1
PB10		--	1
PB11		--	1
PB12		--	1
PB13		--	1
PB14		--	1
PB15		--	1
PB16		--	1
PB17		--	1
PB18		--	1
PB19		--	1
PB20		1	--
PB21		1	--
PB22		1	--
PB23		1	--
PB24		1	--
PB25		1	--
PB26		1	--
	TOTAL	7 *	19 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVE PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
TOTAL	18 *

* ADDITIONALQUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION**	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0060.3017 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1		--	--	--	--	--	1
SB1		1	--	--	--	--	--
SB2		1	--	--	--	--	--
SB3		--	--	--	1	--	--
SB4		1	--	--	--	--	--
SB5		--	1	--	--	--	--
SB6		--	--	--	--	1	--
SB7		1	--	--	--	--	--
SB8		--	--	1	--	--	--
SB9		--	--	--	1	--	--
SB10		1	--	--	--	--	--
SB11		--	--	1	--	--	--
	TOTAL	5 *	1 *	2 *	2 *	1 *	1 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: PRE_448	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_mq.pdf PLOT SCALE : 1:1

STH 20 & W FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0728

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1	121	--	--	--
CB1	SB2	--	121	--	--
CB1	SB3	--	--	194	--
CB1	SB4	--	434	--	--
CB1	SB5	--	453	--	--
CB1	SB6	561	--	--	--
CB1	SB7	620	--	--	--
CB1	SB8	--	384	--	--
CB1	SB9	381	--	--	--
CB1	SB10	--	365	--	--
CB1	SB11	--	--	135	--
CB1	SB3	--	--	--	194
SB3	SB5	--	--	--	299
CB1	SB11	--	--	--	135
SB11	SB8	--	--	--	293
	TOTAL	1683 *	1757 *	329 *	921 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	121
SB1	SB2	34
SB2	SB3	247
SB3	SB4	280
SB4	SB5	193
SB5	SB6	159
SB6	SB7	99
SB7	SB8	302
SB8	SB9	63
SB9	SB10	212
SB10	SB11	274
SB11	CB1	135
PB1	CB1	42
PB2	SB1	25
PB3	SB3	80
PB4	SB3	28
PB5	SB3	139
PB6	SB4	95
PB7	SB4	26
PB8	SB5	30
PB9	SB6	76
PB10	SB6	28
PB11	SB7	25
PB12	SB6	79
PB13	SB9	83
PB14	SB9	38
PB15	SB10	106
PB16	SB10	25
PB17	SB11	111
PB18	SB11	30
PB19	CB1	48
	TOTAL	3233 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 16	19	--
SB2	HEAD 6	--	22
SB2	HEAD 8	19	--
SB3	HEAD 2	69	--
SB3	HEAD 3	69	--
SB3	HEAD 4	69	--
SB3	HEAD 7	--	22
SB3	HEAD 11	19	--
SB4	HEAD 14	19	--
SB4	HEAD 24	--	22
SB5	HEAD 17	--	22
SB5	HEAD 25	--	22
SB6	HEAD 21	76	--
SB6	HEAD 22	76	--
SB7	HEAD 1	19	--
SB8	HEAD 5	--	22
SB8	HEAD 12	42	--
SB8	HEAD 13	42	--
SB9	HEAD 9	55	--
SB9	HEAD 10	55	--
SB10	HEAD 18	--	22
SB10	HEAD 20	19	--
SB11	HEAD 15	39	--
SB11	HEAD 19	--	22
SB11	HEAD 23	--	22
	TOTAL	706 *	198 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB3	LUMIN. (2)	288
SB5	LUMIN. (2)	234
SB8	LUMIN. (2)	288
SB11	LUMIN. (2)	234
	TOTAL	1044 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB9 (HEAD A)	446	446
CB1	SB3 (HEAD B)	269	269
CB1	SB11 (HEAD C)	185	185
CB1	SB5 (HEAD D)	493	493
	TOTAL	1393 *	1393 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** ITEM 655.0210 TO BE USED WITH STATE SUPPLIED EVP CONFIRMATION LIGHTS

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION**	656.0200.3001 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

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

PRE_450

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0728\S51-0728_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0728_mq.pdf PLOT SCALE : 1:1

3

3

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	1	--	--	--
SB2	1	--	--	--	1	--	--
SB4	1	--	--	--	1	--	--
SB5	--	1	1	--	--	2	2
SB7	1	--	--	1	--	--	--
SB10	1	--	--	--	1	--	--
TOTAL	5 *	1 *	1 *	2 *	3 *	2 *	2 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	659.1125 LUMINAIRES UTILITY LED C EACH	SPV.0060.3004 INSTALL POLES TYPE 10 EACH	SPV.0060.3005 INSTALL POLES TYPE 9 SPECIAL EACH	SPV.0060.3006 INSTALL POLES TYPE 10 SPECIAL EACH	SPV.0060.3007 INSTALL POLES TYPE 12 EACH	SPV.0060.3009 INSTALL MONOTUBE ARMS 20-FT EACH	SPV.0060.3012 INSTALL MONOTUBE ARMS 35-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3013 INSTALL MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3015 INSTALL MONOTUBE ARMS 55-FT EACH	SPV.0060.3016 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH
SB3	2	--	--	1	--	--	--	1	--	2
SB6	--	--	--	--	1	--	--	--	1	--
SB8	2	1	--	--	--	1	--	--	--	2
SB9	--	--	1	--	--	--	1	--	--	--
SB11	2	1	--	--	--	1	--	--	--	2
TOTAL	6 *	2 *	1 *	1 *	1 *	2 *	1 *	1 *	1 *	6 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STH 20 & W FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0728

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH
1	SB7	1	--
2	SB3	1	--
3	SB3	1	--
4	SB3	1	--
5	SB8	--	1
6	SB2	--	1
7	SB3	--	1
8	SB2	1	--
9	SB9	1	--
10	SB9	1	--
11	SB3	1	--
12	SB8	1	--
13	SB8	1	--
14	SB4	1	--
15	SB11	1	--
16	SB1	1	--
17	SB5	--	1
18	SB10	--	1
19	SB11	--	1
20	SB10	1	--
21	SB6	1	--
22	SB6	1	--
23	SB11	--	1
24	SB4	--	1
25	SB5	--	1
	TOTAL	16 *	9 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.3001 SIGNAL MOUNTING HARDWARE L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.3001 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAY
STH 20 & W FRONTAGE RD	1	
TOTAL	1	0 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0105.3001 TRNSPT & INSTALL STATE FURN TRAFFIC SIGNAL CABINET L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

TRANSPORT TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0105.3005 TRNSPT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

EVP DETECTOR HEAD INSTALLATION

LOCATION	SPV.0105.3009 TRNSPT & INSTALL STATE FURN EVP DETECTOR HEADS & CONFIRMATION LIGHTS L.S.
STH 20 & W FRONTAGE RD	1
TOTAL	1

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
2	TRAFFIC SIGNAL CABINET
1	POLES, TYPE 10
2	POLES, TYPE 10 SPECIAL
3	POLES, TYPE 13
1	MONOTUBE ARMS, 25-FT
2	MONOTUBE ARMS, 45-FT, TYPE 9/10 SPEC POLE
1	MONOTUBE ARMS, 50-FT
2	MONOTUBE ARMS, 55-FT
9	LUMINAIRE ARMS, STEEL, 15-FT
4	EVP DETECTOR HEADS
4	EVP CONFIRMATION LIGHT

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
SB17	1
SB18	1
SB19	1
SB20	1
SB21	1
SB22	1
SB23	1
SB24	1
SB25	1
SB27	1
SB28	1
SB30	1
SB32	1
SB33	1
SB34	1
SB35	1
TOTAL	16 *

* ADDITIONAL QUANTITIY SHOWN ELSEWHERE ON PLAN

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	POLES TYPE 10 EACH	POLES TYPE 10 SPECIAL EACH	POLES TYPE 13 EACH	MONOTUBE ARMS 25-FT EACH	MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLES EACH	MONOTUBE ARMS 50-FT EACH	MONOTUBE ARMS 55-FT EACH	LUMINAIRE ARMS STEEL, 15-FT EACH	EVP DETECTOR HEADS EACH	EVP CONFIRMATION LIGHT EACH
SB1	1	--	--	1	--	--	--	1	--	--
SB6	--	--	1	--	--	1	--	2	--	--
SB9	--	--	--	--	--	--	--	--	1	1
SB12	--	--	1	--	--	--	1	2	1	1
SB22	--	--	1	--	--	--	1	1	1	1
SB23	--	1	--	--	1	--	--	1	--	--
SB27	--	1	--	--	1	--	--	2	--	--
SB28	--	--	--	--	--	--	--	--	1	1
TOTAL	1	2	3	1	2	1	2	9	4	4

PRE_453

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_mq.pdf PLOT SCALE : 1:1

IH-94 RAMPS & STH 20
RACINE COUNTY
CATEGORY 1500
S51-0324

REMOVE TRAFFIC SIGNALS

LOCATION	204.9105.S.3002 REMOVING TRAFFIC SIGNALS L.S.
IH-94 RAMPS & STH 20	1
TOTAL	1

REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE

LOCATION	204.9105.S.3006 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE L.S.
IH-94 RAMPS & STH 20	1
TOTAL	1

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	PB1	--	33
PB1	PB2	--	228
PB2	SB1	--	10
PB2	PB3	--	51
PB3	SB2	7	--
PB3	SB3	11	--
PB2	PB4	12	--
PB4	SB4	7	--
PB4	SB5	8	--
PB2	PB5	--	216
PB5	PB6	--	108
PB6	PB19	126	--
PB6	PB7	--	188
PB7	PB8	--	62
PB8	SB6	--	29
PB8	SB7	12	--
PB8	SB8	12	--
PB7	PB20	123	--
PB20	PB21	146	--
PB7	PB9	--	210
PB9	PB10	--	102
PB10	PB22	181	--
PB10	PB11	--	114
PB11	PB12	32	--
PB12	SB9	19	--
PB11	PB13	--	78
PB13	PB23	208	--
PB13	PB14	--	120
PB14	SB10	9	--
PB14	PB15	--	88
PB15	PB16	--	148
PB16	PB17	15	--
PB17	SB11	10	--
PB16	SB12	--	9
PB16	PB18	--	198
PB18	CB1	--	27

CONDUIT (CONT'D)

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	CB2	--	840
CB2	PB41	--	42
PB41	SB21	12	--
PB41	PB42	--	110
PB42	PB43	--	180
PB43	PB44	--	158
PB44	SB22	--	18
PB44	PB45	--	64
PB45	SB23	--	6
PB45	PB46	--	176
PB46	PB47	--	34
PB47	SB24	6	--
PB46	PB48	--	148
PB48	PB49	--	200
PB49	PB50	--	14
PB50	SB25	12	--
PB50	SB26	14	--
PB50	PB51	--	54
PB51	SB27	--	7
PB49	PB58	98	--
PB58	PB59	151	--
PB49	PB52	--	204
PB52	PB53	--	86
PB53	PB60	206	--
PB53	PB54	--	78
PB54	PB55	16	--
PB54	SB28	38	--
PB54	PB56	--	94
PB56	PB61	217	--
PB56	PB62	12	--
PB56	PB57	--	105
PB57	CB2	--	51
		--	--
	TOTAL	1720 *	4688 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
11	PB59		6'x18'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	124	826	620
12	PB59		6'x18'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	826	490
13	PB59		6'x18'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	826	380
14	PB58		6'x14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	136	675	680
15	PB58		6'x14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	110	675	550
16	PB58		6'x14'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	675	430
21	PB20		6'x8'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	70	480	350
22	PB20		6'x8'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	46	480	230
23	PB43		6'x20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	453	424
24	PB43		6'x20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	116	453	464
25	PB43		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	453	312
26	PB43		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	92	453	368
41	PB60		6'x12'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	66	638	330
42	PB61		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	563	450
43	PB61		6'x12'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	66	563	330
44	PB55		6'x12'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	84	408	336
45	PB55		6'x20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	408	384
46	PB53		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	432	328
47	PB55		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	408	304
48	PB55		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	408	296
49	PB62		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	358	324
410	PB62		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	358	324
411	PB62		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	84	358	252
412	PB62		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	84	358	252

CONT'D ON PAGE 4

3

3

TRAFFIC DETECTOR LOOPS (CONT'D FROM PAGE 3)

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
51	PB21		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	626	520
52	PB21		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	626	400
53	PB21		6'x12'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	56	626	280
54	PB19		6'x8'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	48	389	240
55	PB19		6'x8'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	72	389	360
56	PB19		6'x8'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	389	530
57	PB20		6'x8'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	480	480
61	PB58		6'x14'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	60	675	300
62	PB17		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	137	210
63	PB17		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	137	216
81	PB22		6'x12'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	56	577	280
82	PB22		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	577	400
83	PB23		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	508	400
84	PB23		6'x12'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	56	508	280
85	PB10		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	110	396	330
86	PB12		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	114	371	342
87	PB11		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	339	234
88	PB12		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	82	371	246
89	PB11		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	339	240
810	PB12		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	80	371	240
811	PB13		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	300	216
812	PB12		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	371	312
					TOTAL	3912 *	22037 *	16264 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
^ LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

3

PULL BOXES

PULL BOX NO.	LOCATION**	653.0135 PULL BOXES STEEL 24x36-INCH EACH	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1		--	1
PB2		--	1
PB3		--	1
PB4		1	
PB5		--	1
PB6		--	1
PB7		--	1
PB8		1	--
PB9		--	1
PB10		--	1
PB11		--	1
PB12		1	--
PB13		--	1
PB14		1	--
PB15		--	1
PB16		--	1
PB17		1	--
PB18		-	1
PB19		1	--
PB20		1	--
PB21		1	--
PB22		1	--
PB23		1	--
PB41		--	1
PB42		--	1
PB43		--	1
PB44		--	1
PB45		--	1
PB46		--	1
PB47		--	1
PB48		--	1
PB49		--	1
PB50		1	--
PB51		1	--
PB52		--	1
PB53		--	1
PB54		--	1
PB55		1	--
PB56		--	1
PB57		--	1
PB58		1	--
PB59		1	--
PB60		1	--
PB61		1	--
PB62		1	--
	TOTAL	18 *	27 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
**FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVE PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB14	1
PB15	1
PB16	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
PB22	1
PB23	1
PB24	1
PB25	1
PB26	1
PB27	1
PB28	1
PB29	1
PB30	1
PB31	1
PB32	1
PB33	1
PB34	1
PB35	1
PB36	1
TOTAL	32 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

IH-94 RAMPS & STH 20
RACINE COUNTY
CATEGORY 1500
S51-0324

CONCRETE BASES

SIGNAL BASE NO.	LOCATION**	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0060.3017 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH	SPV.0060.3003 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL MODIFIED EACH
CB1		--	--	--	--	--	--	1
SB1		--	--	1	--	--	--	--
SB2		1	--	--	--	--	--	--
SB3		1	--	--	--	--	--	--
SB4		1	--	--	--	--	--	--
SB5		1	--	--	--	--	--	--
SB6		--	--	--	--	1	--	--
SB7		1	--	--	--	--	--	--
SB8		1	--	--	--	--	--	--
SB9		--	1	--	--	--	--	--
SB10		1	--	--	--	--	--	--
SB11		1	--	--	--	--	--	--
SB12		--	--	--	--	1	--	--
CB2		--	--	--	--	--	1	--
SB21		--	1	--	--	--	--	--
SB22		--	--	--	--	1	--	--
SB23		--	--	--	1	--	--	--
SB24		1	--	--	--	--	--	--
SB25		1	--	--	--	--	--	--
SB26		1	--	--	--	--	--	--
SB27		--	--	--	1	--	--	--
SB28		--	1	--	--	--	--	--
	TOTAL	11 *	3 *	1 *	2 *	3 *	1 *	1

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_mq.pdf PLOT SCALE : 1:1

IH-94 RAMPS & STH 20
RACINE COUNTY
CATEGORY 1500
S51-0324

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0235 CABLE TRAFFIC SIGNAL 7-12 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0255 CABLE TRAFFIC SIGNAL 12-12 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0265 CABLE TRAFFIC SIGNAL 15-12 AWG L.F.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.	655.0325 CABLE TYPE UF 2-8 AWG GROUNDED L.F.
CB1	SB1	--	--	--	140	--	--	--
CB1	SB2	--	204	--	--	--	--	--
CB1	SB3	--	--	--	208	--	--	--
CB1	SB4	--	165	--	--	--	--	--
CB1	SB5	--	166	--	--	--	--	--
CB1	SB6	--	--	--	541	--	--	--
CB1	SB7	--	524	--	--	--	--	--
CB1	SB8	--	524	--	--	--	--	--
CB1	SB9	--	499	--	--	--	--	--
CB1	SB10	--	310	--	--	--	--	--
CB1	SB11	--	192	--	--	--	--	--
CB1	SB12	--	160	--	--	--	--	--
CB1	CB2	--	--	--	--	314	--	--
CB1	CB2	--	--	--	--	314	--	--
CB2	SB21	53	--	--	--	--	--	--
CB2	SB22	331	--	--	--	--	--	--
CB2	SB23	--	--	367	--	--	--	--
CB2	SB24	--	--	521	--	--	--	--
CB2	SB25	432	--	--	--	--	--	--
CB2	SB26	434	--	--	--	--	--	--
CB2	SB27			497	--	--	--	--
CB2	SB28	196	--	--	--	--	--	--
CB1	CB2	--	--	--	--	--	--	314
CB1	SB1	--	--	--	--	--	140	--
SB1	SB6	--	--	--	--	--	445	--
CB1	SB12	--	--	--	--	--	160	--
SB12	SB9	--	--	--	--	--	381	--
CB2	SB21	--	--	--	--	--	53	--
SB21	SB22	--	--	--	--	--	326	--
SB22	SB23	--	--	--	--	--	96	--
CB2	SB28	--	--	--	--	--	196	--
SB28	SB27	--	--	--	--	--	401	--
	TOTAL	1446 *	2744 *	1385 *	889 *	628 *	2198 *	314 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	140
SB1	SB2	108
SB2	SB3	42
SB3	SB4	137
SB4	SB5	39
SB5	SB6	471
SB6	SB7	65
SB7	SB8	48
SB8	SB9	442
SB9	SB10	231
SB10	SB11	224
SB11	SB12	74
SB12	CB1	160
PB1	CB1	34
PB2	SB1	30
PB3	SB2	27
PB4	SB1	58
PB5	SB1	154
PB6	SB1	224
PB7	SB6	127
PB8	SB6	49
PB9	SB9	227
PB10	SB9	160
PB11	SB9	87
PB12	SB9	39
PB13	SB10	105
PB14	SB10	29
PB15	SB10	89
PB16	SB12	29
PB17	SB12	60
PB18	CB1	32
	TOTAL	3741 *

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB2	SB21	41
SB21	SB22	326
SB22	SB23	96
SB23	SB24	190
SB24	SB25	328
SB25	SB26	50
SB26	SB27	115
SB27	SB28	401
SB28	CB2	196
PB41	CB2	37
PB42	CB2	108
PB43	SB22	133
PB44	SB22	38
PB45	SB23	26
PB46	SB24	76
PB47	SB24	26
PB48	SB24	166
PB49	SB27	127
PB50	SB27	97
PB51	SB27	27
PB52	SB28	172
PB53	SB28	113
PB54	SB28	58
PB56	CB2	91
PB57	CB2	40
	TOTAL	3078 *

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.052 ELECTRICAL WIRE TRAFFIC SIGNALS 8 AWG (WHT) L.F.	655.052 ELECTRICAL WIRE TRAFFIC SIGNALS 8 AWG (GRN) L.F.
CB1	CB2	314	314
	TOTAL	314 *	314 *

3

PRE_460

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_mq.pdf PLOT SCALE : 1:1

IH-94 RAMPS & STH 20
RACINE COUNTY
CATEGORY 1500
S51-0324

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 32		49
SB1	HEAD 34	19	--
SB2	HEAD 33	19	--
SB3	HEAD 22	19	--
SB3	HEAD 24	19	--
SB4	HEAD 29	19	--
SB5	HEAD 30	19	--
SB6	HEAD 18	73	--
SB6	HEAD 19	73	--
SB6	HEAD 20	73	--
SB6	HEAD 23	73	--
SB7	HEAD 35	19	--
SB8	HEAD 36	19	--
SB9	HEAD 31	19	--
SB10	HEAD 17	19	--
SB11	HEAD 21	19	--
SB12	HEAD 25	78	--
SB12	HEAD 26	78	--
SB12	HEAD 27	78	--
SB12	HEAD 28	78	--
			--
SB21	HEAD 6	19	--
SB22	HEAD 2	79	--
SB22	HEAD 3	79	--
SB22	HEAD 4	79	--
SB22	HEAD 5	79	--
SB23	HEAD 12	--	67
SB23	HEAD 14	66	--
SB24	HEAD 1	19	--
SB24	HEAD 13	19	--
SB25	HEAD 16	19	--
SB26	HEAD 15	19	--
SB27	HEAD 7	65	--
SB27	HEAD 8	65	--
SB27	HEAD 9	65	--
SB27	HEAD 10	65	--
SB28	HEAD 11	19	--
	TOTAL	1569 *	116 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB1	LUMIN.	144
SB6	LUMIN. (2)	288
SB9	LUMIN. (2)	234
SB12	LUMIN. (2)	288
SB21	LUMIN.	117
SB22	LUMIN.	144
SB23	LUMIN.	144
SB27	LUMIN. (2)	288
SB28	LUMIN. (2)	234
	TOTAL	1881 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0210 ** CABLE TRAFFIC SIGNAL 3-14 AWG L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB12 (HEAD A)	245	245
CB1	SB22 (HEAD B)	703	703
CB1	SB28 (HEAD C)	523	523
CB1	SB9 (HEAD D)	539	539
	TOTAL	2010 *	2010 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** ITEM 655.0210 TO BE USED WITH STATE SUPPLIED EVP CONFIRMATION LIGHTS

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION**	656.0200.3002 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.
IH-94 RAMPS & STH 20	1
TOTAL	1

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

PRE_461

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0324\S51-0324_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0324_mq.pdf PLOT SCALE : 1:1

3

3

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB2	1	--	--	1	--	--
SB3	1	--	--	1	--	--
SB4	1	--	--	1	--	--
SB5	1	--	--	1	--	--
SB7	1	--	--	1	--	--
SB8	1	--	--	1	--	--
SB9	--	1	1	--	2	2
SB10	1	--	--	1	--	--
SB11	1	--	--	1	--	--
SB21	--	1	1	--	1	1
SB24	1	--	--	1	--	--
SB25	1	--	--	1	--	--
SB26	1	--	--	1	--	--
SB28	--	1	1	--	2	2
TOTAL	11 *	3 *	3 *	11 *	5 *	5 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	659.1125 LUMINAIRES UTILITY LED C EACH	SPV.0060.3004 INSTALL POLES TYPE 10 EACH	SPV.0060.3006 INSTALL POLES TYPE 10 SPECIAL EACH	SPV.0060.3008 INSTALL POLES TYPE 13 EACH	SPV.0060.3010 INSTALL MONOTUBE ARMS 25-FT EACH	SPV.0060.3013 INSTALL MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3014 INSTALL MONOTUBE ARMS 50-FT EACH	SPV.0060.3015 INSTALL MONOTUBE ARMS 55-FT EACH	SPV.0060.3016 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH
SB1	1	1	--	--	1	--	--	--	1
SB6	2	--	--	1	--	--	1	--	2
SB12	2	--	--	1	--	--	--	1	2
SB22	1	--	--	1	--	--	--	1	1
SB23	1	--	1	--	--	1	--	--	1
SB27	2	--	1	--	--	1	--	--	2
TOTAL	9 *	1 *	2 *	3 *	1 *	2 *	1 *	2 *	9 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH
1 ^	SB24	1	--
2 ^	SB22	1	--
3 ^	SB22	1	--
4 ^	SB22	1	--
5 ^	SB22	1	--
6	SB21	1	--
7	SB27	1	--
8	SB27	1	--
9	SB27	1	--
10	SB27	1	--
11	SB28	1	--
12	SB23	--	1
13	SB24	1	--
14	SB23	1	--
15	SB26	1	--
16	SB25	1	--
17	SB10	1	--
18	SB6	1	--
19	SB6	1	--
20	SB6	1	--
21	SB11	1	--
22	SB3	1	--
23	SB6	1	--
24 ^	SB3	1	--
25 ^	SB12	1	--
26 ^	SB12	1	--
27 ^	SB12	1	--
28 ^	SB12	1	--
29	SB4	1	--
30	SB5	1	--
31	SB9	1	--
32	SB1	--	1
33	SB2	1	--
34	SB1	1	--
35	SB7	1	--
36	SB8	1	--
	TOTAL	34 *	2 *

^ DENOTES SIGNAL HOUSING WITH REFLECTIVE BACKPLATE
* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

SIGNAL MOUNTING HARDWARE

LOCATION		658.5069.3002 SIGNAL MOUNTING HARDWARE L.S.
IH-94 RAMPS & STH 20		1
	TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.3002 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAY
IH-94 EB RAMPS & STH 20	1	
TOTAL	1	0 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.3003 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAY
IH-94 WB RAMPS & STH 20	1	
TOTAL	1	0 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

TRANSPORT AND INSTALL
STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0105.3002 TRNSPT & INSTALL STATE FURN TRAFFIC SIGNAL CABINET L.S.
IH-94 RAMPS & STH 20 (CB1)	1
TOTAL	1

TRANSPORT AND INSTALL
STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0105.3003 TRNSPT & INSTALL STATE FURN TRAFFIC SIGNAL CABINET L.S.
IH-94 RAMPS & STH 20 (CB2)	1
TOTAL	1

TRANSPORT TRAFFIC SIGNAL
AND INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0105.3006 TRNSPT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS L.S.
IH-94 RAMPS & STH 20	1
TOTAL	1

EVP DETECTOR HEAD INSTALLATION

LOCATION	SPV.0105.3010 TRNSPT & INSTALL STATE FURN EVP DETECTOR HEADS & CONFIRMATION LIGHTS L.S.
IH-94 RAMPS & STH 20	1
TOTAL	1

3

3

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	TRAFFIC SIGNAL CABINET
1	POLES, TYPE 10
2	POLES, TYPE 9 SPECIAL
2	POLES, TYPE 10 SPECIAL
1	MONOTUBE ARMS, 25-FT
2	MONOTUBE ARMS, 35-FT
2	MONOTUBE ARMS, 45-FT,TYPE 9/10 SPEC POLE
6	LUMINAIRE ARMS, STEEL, 15-FT
4	EVP DETECTOR HEADS
4	EVP CONFIRMATION LIGHT

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
SB11	1
SB12	1
TOTAL	12 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	POLES TYPE 10 EACH	POLES TYPE 9 SPECIAL EACH	POLES TYPE 10 SPECIAL EACH	MONOTUBE ARMS 25-FT EACH	MONOTUBE ARMS 35-FT EACH	MONOTUBE ARMS 45-FT EACH	LUMINAIRE ARMS STEEL, 15-FT EACH	EVP DETECTOR HEADS EACH	EVP CONFIRMATION LIGHT EACH
SB2	--	--	1	--	--	1	2	1	1
SB4	--	--	--	--	--	--	--	1	1
SB5	--	1	--	--	--	1	--	--	--
SB8	--	--	1	--	1	--	2	1	1
SB9	--	1	--	--	1	--	--	--	--
SB10	1	--	--	1	--	--	2	1	1
TOTAL	1	2	2	1	2	2	6	4	4

PRE_465

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_mq.pdf PLOT SCALE : 1:1

REMOVE TRAFFIC SIGNALS

LOCATION	204.9105.S.3003 REMOVING TRAFFIC SIGNALS L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE

LOCATION	204.9105.S.3007 REMOVING LOOP DETECTOR WIRE & LEAD-IN CABLE L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
CB1	PB1	--	39
PB1	PB2	--	87
PB2	PB26	146	--
PB26	PB27	150	--
PB2	PB3	--	176
PB3	PB4	25	--
PB4	SB1	22	--
PB3	PB5	--	56
PB5	SB2	--	27
PB5	PB6	--	152
PB6	PB28	162	--
PB6	PB7	--	70
PB7	PB8	--	46
PB8	SB3	6	--
PB7	PB9	--	110
PB9	PB29	181	--
PB9	PB10	--	138
PB10	PB11	30	--
PB11	SB4	13	--
PB10	PB12	--	104
PB12	PB13	--	104
PB13	PB14	--	45
PB14	SB5	--	5
PB14	SB6	5	--
PB13	PB15	--	58
PB15	PB30	139	--
PB30	PB31	150	--
PB15	PB16	--	156
PB16	PB17	28	--
PB17	SB7	20	--
PB16	PB18	--	54
PB18	SB8	--	31
PB18	PB19	--	168
PB19	PB20	--	132
PB20	PB32	168	--
PB20	PB21	--	34
PB21	SB9	--	5
PB20	PB22	--	144
PB22	PB33	20	--
PB22	PB23	--	7
PB22	SB10	--	17
PB22	PB24	--	136
PB24	PB25	--	40
PB25	SB11	6	--
PB24	CB1	--	54
	TOTAL	1271 *	2195 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_mq.pdf PLOT SCALE : 1:1

STH 20 & E FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0727

TRAFFIC DETECTOR LOOPS

LOOP NO.	HOME RUN PB	LOCATION** ^	SIZE (FT)x(FT)	NO. OF TURNS	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR L.F.	655.0700 LOOP DETECTOR LEAD IN CABLE L.F.	655.0800 LOOP DETECTOR WIRE L.F.
11	PB17		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	377	228
12	PB17		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	377	228
21	PB27		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	76	352	380
22	PB27		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	352	500
23	PB27		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	124	352	620
24	PB27		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	148	352	740
25	PB26		6'x6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	78	202	312
26	PB26		6'x6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	202	408
27	PB26		6'x6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	126	202	504
28	PB26		6'x6'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	150	202	600
31	PB10		6'x20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	407	360
32	PB11		6'x20'	4	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	88	437	352
33	PB10		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	68	407	272
34	PB11		6'x20'	4	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	68	437	272
41	PB32		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	70	380	350
42	PB32		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	92	380	460
43	PB33		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	112	120	336
44	PB23		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	112	107	336
45	PB33		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	120	270
46	PB23		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	107	270
51	PB4		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	76	169	228
52	PB4		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	78	169	234
61	PB31		6'x16'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	102	730	510
62	PB31		6'x16'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	126	730	630
63	PB31		6'x16'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	150	730	750
64	PB30		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	580	450
65	PB30		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	114	580	570
66	PB30		6'x12'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	138	580	690
71	PB33		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	68	120	204
72	PB23		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	70	107	210
81	PB29		6'x10'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	64	519	320
82	PB29		6'x10'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	519	430
83	PB9		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	100	338	300
84	PB8		6'x20'	3	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	86	329	258
85	PB9		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	120	338	360
86	PB8		6'x20'	3	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	329	324
S1	PB28		6'x6'	5	9F15-4A - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	62	407	310
S2	PB28		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	84	437	420
S3	PB28		6'x6'	5	9F15-4B - LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	437	540
					TOTAL	3766 *	14020 *	15536 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP
^ FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_mq.pdf PLOT SCALE : 1:1

STH 20 & E FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0727

PULL BOXES

PULL BOX NO.	LOCATION**	653.0135 PULL BOXES STEEL 24x36-INCH EACH	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB1		--	1
PB2		--	1
PB3		--	1
PB4		1	--
PB5		--	1
PB6		--	1
PB7		--	1
PB8		--	1
PB9		--	1
PB10		--	1
PB11		1	--
PB12		--	1
PB13		--	1
PB14		--	1
PB15		--	1
PB16		--	1
PB17		1	--
PB18		--	1
PB19		--	1
PB20		--	1
PB21		--	1
PB22		--	1
PB23		1	--
PB24		--	1
PB25		--	1
PB26		1	--
PB27		1	--
PB28		1	--
PB29		1	--
PB30		1	--
PB31		1	--
PB32		1	--
PB33		1	--
	TOTAL	12 *	21 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVE PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB15	1
PB16	1
PB17	1
TOTAL	17 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

CONCRETE BASES

SIGNAL BASE NO.	LOCATION**	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0060.3017 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1		--	--	--	--	1
SB1		1	--	--	--	--
SB2		--	--	--	1	--
SB3		1	--	--	--	--
SB4		--	1	--	--	--
SB5		--	--	--	1	--
SB6		1	--	--	--	--
SB7		1	--	--	--	--
SB8		--	--	--	1	--
SB9		--	--	--	1	--
SB10		--	--	1	--	--
SB11		1	--	--	--	--
	TOTAL	5 *	1 *	1 *	4 *	1 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: PRE_468	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_mq.pdf PLOT SCALE : 1:1

STH 20 & E FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0727

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1	252	--	--	--
CB1	SB2	--	260	--	--
CB1	SB3	--	444	--	--
CB1	SB4	591	--	--	--
CB1	SB5	--	647	--	--
CB1	SB6	--	647	--	--
CB1	SB7	506	--	--	--
CB1	SB8	--	430	--	--
CB1	SB9	--	--	272	--
CB1	SB10	--	--	146	--
CB1	SB11	--	107	--	--
CB1	SB2	--	--	--	260
SB2	SB4	--	--	--	409
CB1	SB10	--	--	--	146
SB10	SB8	--	--	--	342
	TOTAL	1349 *	2535 *	418 *	1157 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	252
SB1	SB2	158
SB2	SB3	262
SB3	SB4	307
SB4	SB5	285
SB5	SB6	34
SB6	SB7	293
SB7	SB8	162
SB8	SB9	292
SB9	SB10	184
SB10	SB11	187
SB11	CB1	107
PB1	CB1	36
PB2	CB1	81
PB3	SB1	83
PB4	SB1	42
PB5	SB2	47
PB6	SB2	139
PB7	SB3	88
PB8	SB3	26
PB9	SB3	159
PB10	SB4	79
PB11	SB4	33
PB12	SB5	154
PB13	SB5	86
PB14	SB5	25
PB15	SB5	131
PB16	SB7	84
PB17	SB7	40
PB18	SB8	51
PB19	SB9	157
PB20	SB9	75
PB21	SB9	25
PB22	SB10	37
PB24	CB1	41
PB25	SB11	26
	TOTAL	4268 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_mq.pdf PLOT SCALE : 1:1

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 7	--	22
SB2	HEAD 2	69	--
SB2	HEAD 3	69	--
SB2	HEAD 4	69	--
SB2	HEAD 13	--	22
SB3	HEAD 16	19	--
SB3	HEAD 26	--	22
SB4	HEAD 19	19	--
SB5	HEAD 23	69	--
SB5	HEAD 24	69	--
SB5	HEAD 27	--	70
SB6	HEAD 1	19	--
SB6	HEAD 14	--	22
SB7	HEAD 15	--	22
SB8	HEAD 5	--	22
SB8	HEAD 9	58	--
SB8	HEAD 10	58	--
SB9	HEAD 11	56	--
SB9	HEAD 12	56	--
SB9	HEAD20	19	--
SB9	HEAD 22	19	--
SB10	HEAD 17	49	--
SB10	HEAD 18	49	--
SB10	HEAD 21	19	--
SB10	HEAD 25	--	22
SB11	HEAD 6	--	22
SB11	HEAD 8	19	--
	TOTAL	804 *	246 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB2	LUMIN. (2)	288
SB4	LUMIN. (2)	234
SB8	LUMIN. (2)	288
SB10	LUMIN. (2)	288
	TOTAL	1098 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB8 (HEAD A)	495	495
CB1	SB2 (HEAD B)	335	335
CB1	SB10 (HEAD C)	201	201
CB1	SB4 (HEAD D)	631	631
	TOTAL	1662 *	1662 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** ITEM 655.0210 TO BE USED WITH STATE SUPPLIED EVP CONFIRMATION LIGHTS

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION**	656.0200.3003 ELECTRICAL SERVICE METER BREAKER PEDESTAL L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

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

3

3

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	1	--	--	1	--	--
SB3	1	--	--	1	--	--
SB4	--	1	1	--	2	2
SB6	1	--	--	1	--	--
SB7	1	--	--	1	--	--
SB11	1	--	--	1	--	--
TOTAL	5 *	1 *	1 *	5 *	2 *	2 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	659.1125 LUMINAIRES UTILITY LED C EACH	SPV.0060.3004 INSTALL POLES TYPE 10 EACH	SPV.0060.3005 INSTALL POLES TYPE 9 SPECIAL EACH	SPV.0060.3006 INSTALL POLES TYPE 10 SPECIAL EACH	SPV.0060.3010 INSTALL MONOTUBE ARMS 25-FT EACH	SPV.0060.3012 INSTALL MONOTUBE ARMS 35-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3013 INSTALL MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3016 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH
SB2	2	--	--	1	--	--	1	2
SB5	--	--	1	--	--	--	1	--
SB8	2	--	--	1	--	1	--	2
SB9	--	--	1	--	--	1	--	--
SB10	2	1	--	--	1	--	--	2
TOTAL	6 *	1 *	2 *	2 *	1 *	2 *	2 *	6 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

STH 20 & E FRONTAGE RD
RACINE COUNTY
CATEGORY 1500
S51-0727

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH
1	SB6	1	--
2	SB2	1	--
3	SB2	1	--
4	SB2	1	--
5	SB8	--	1
6	SB11	--	1
7	SB11	--	1
8	SB11	1	--
9	SB8	1	--
10	SB8	1	--
11	SB9	1	--
12	SB9	1	--
13	SB2	--	1
14	SB6	--	1
15	SB7	--	1
16	SB3	1	--
17	SB10	1	--
18	SB10	1	--
19	SB4	1	--
20	SB9	1	--
21	SB10	1	--
22	SB9	1	--
23	SB5	1	--
24	SB5	1	--
25	SB10	-	1
26	SB3	--	1
27	SB5	--	1
	TOTAL	18 *	9 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.3003 SIGNAL MOUNTING HARDWARE L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.3004 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAY
STH 20 & E FRONTAGE RD	1	
TOTAL	1	0 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0105.3004 TRNSPT & INSTALL STATE FURN TRAFFIC SIGNAL CABINET L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

TRANSPORT TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0105.3007 TRNSPT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

EVP DETECTOR HEAD INSTALLATION

LOCATION	SPV.0105.3011 TRNSPT & INSTALL STATE FURN EVP DETECTOR HEADS & CONFIRMATION LIGHTS L.S.
STH 20 & E FRONTAGE RD	1
TOTAL	1

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0727\S51-0727_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0727_mq.pdf PLOT SCALE : 1:1

STH 20 & CTH H/RENAISSANCE BLVD
RACINE COUNTY
CATEGORY 1500
S51-0719

STATE FURNISHED MATERIALS SUMMARY

EACH	DESCRIPTION
0	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
0	TRAFFIC SIGNAL CABINET
1	POLES, TYPE 10
3	POLES, TYPE 10 SPECIAL
1	MONOTUBE ARMS, 30-FT
2	MONOTUBE ARMS, 35-FT
1	MONOTUBE ARMS, 45-FT
8	LUMINAIRE ARMS, STEEL, 15-FT
4	EVP DETECTOR HEADS
4	EVP CONFIRMATION LIGHT

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	POLES TYPE 10 EACH	POLES TYPE 10 SPECIAL EACH	MONOTUBE ARMS 30-FT EACH	MONOTUBE ARMS 35-FT EACH	MONOTUBE ARMS 45-FT EACH	LUMINAIRE ARMS STEEL, 15-FT EACH	EVP DETECTOR HEADS EACH	EVP CONFIRMATION LIGHT EACH
SB3	--	1	--	--	1	2	1	1
SB5	--	1	--	1	--	2	1	1
SB9	1	--	1	--	--	2	1	1
SB13	--	1	--	1	--	2	1	1
TOTAL	1	3	1	2	1	8	4	4

REMOVING CONCRETE BASES

SIGNAL BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
SB3	1
SB5	1
SB6	1
SB10	1
SB14	1
TOTAL	5 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

REMOVE TRAFFIC SIGNALS

LOCATION	204.9105.S.3004 REMOVING TRAFFIC SIGNALS L.S.
STH 20 & CTH H/RENAISSANCE BLVD	1
TOTAL	1

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.
PB6	SB2	27	--
PB6	SB3	--	18
PB12	SB5	--	20
PB14	SB6	5	--
PB18	SB9	--	14
PB23	SB13	--	5
	TOTAL	32 *	57 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0719\S51-0719_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0719_mq.pdf PLOT SCALE : 1:1

3

PULL BOXES

PULL BOX NO.	LOCATION**	653.0140 PULL BOXES STEEL 24x42-INCH EACH	SPV.0060.3001 PULL BOX RIMS & COVERS EACH
PB1		--	1
PB2		--	1
PB6		--	1
PB7		--	1
PB8		--	1
PB10		--	1
PB12		--	1
PB13		--	1
PB14	INSTALL IN SAME LOCATION	1	--
PB15		--	1
PB18		--	1
PB19		--	1
PB20		--	1
PB22		--	1
PB23		--	1
PB25		--	1
	TOTAL	1 *	15

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONCRETE BASES

SIGNAL BASE NO.	LOCATION**	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0060.3017 CONCRETE BASES TYPE 10 SPECIAL EACH
SB3		--	1
SB5		--	1
SB9		1	--
SB13		--	1
	TOTAL	1 *	3 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

REMOVE PULL BOXES

PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH	SPV.0060.3002 REMOVING PULL BOX RIMS & COVERS EACH
PB1	--	1
PB2	--	1
PB6	--	1
PB7	--	1
PB8	--	1
PB10	--	1
PB12	--	1
PB13	--	1
PB14	1	--
PB15	--	1
PB18	--	1
PB19	--	1
PB20	--	1
PB22	--	1
PB23	--	1
PB25	--	1
TOTAL	1 *	15

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

PRE_474

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\S51-0719\S51-0719_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : S51-0719_mq.pdf PLOT SCALE : 1:1

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG L.F.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.
CB1	SB1	106	--	--	--
CB1	SB2	167	--	--	--
CB1	SB3	--	158	--	--
CB1	SB4	--	334	--	--
CB1	SB5	--	--	390	--
CB1	SB6	--	511	--	--
CB1	SB7	--	406	--	--
CB1	SB8	394	--	--	--
CB1	SB9	--	402	--	--
CB1	SB10	335	--	--	--
CB1	SB11	--	322	--	--
CB1	SB12	--	157	--	--
CB1	SB13	144	--	--	--
CB1	SB3	--	--	--	158
SB3	SB5	--	--	--	292
CB1	SB13	--	--	--	144
SB13	SB9	--	--	--	292
	TOTAL	1146 *	2290 *	390 *	886 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.
CB1	SB1	106
SB1	SB2	211
SB2	SB3	69
SB3	SB4	236
SB4	SB5	188
SB5	SB6	185
SB6	SB7	290
SB7	SB8	50
SB8	SB9	46
SB9	SB10	129
SB10	SB11	191
SB11	SB12	225
SB12	SB13	47
SB13	CB1	144
PB1	CB1	39
PB2	SB1	23
PB6	SB3	38
PB7	SB3	118
PB8	SB4	74
PB10	SB4	22
PB12	SB5	40
PB13	SB6	86
PB14	SB6	25
PB15	SB9	128
PB18	SB9	34
PB19	SB10	39
PB20	SB10	110
PB22	SB11	24
PB23	SB13	25
PB25	CB1	59
	TOTAL	3001 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

3

3

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.
SB1	HEAD 1	19	--
SB2	HEAD 4	--	22
SB3	HEAD 8	64	--
SB3	HEAD 9	64	--
SB3	HEAD 11	64	--
SB3	HEAD 12	64	--
SB4	HEAD 17	--	22
SB4	HEAD 22	19	--
SB5	HEAD 14	56	--
SB5	HEAD 15	56	--
SB5	HEAD 18	--	22
SB5	HEAD 25	--	22
SB6	HEAD 5	--	22
SB6	HEAD 7	19	--
SB7	HEAD 6	--	22
SB7	HEAD 10	19	--
SB8	HEAD 20	19	--
SB9	HEAD 2	51	--
SB9	HEAD 3	61	--
SB9	HEAD 21	19	--
SB10	HEAD 19	19	--
SB11	HEAD 13	19	--
SB11	HEAD 26	--	22
SB12	HEAD 16	--	22
SB12	HEAD 27	--	22
SB13	HEAD 23	57	--
SB13	HEAD 24	57	--
	TOTAL	746 *	198 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.
SB3	LUMIN. (2)	288
SB5	LUMIN. (2)	288
SB9	LUMIN. (2)	288
SB13	LUMIN. (2)	288
	TOTAL	1152 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB3 (HEAD A)	233	233
CB1	SB9 (HEAD B)	462	462
CB1	SB13 (HEAD C)	199	199
CB1	SB5 (HEAD D)	455	455
	TOTAL	1349 *	1349 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN
** ITEM 655.0210 TO BE USED WITH STATE SUPPLIED EVP CONFIRMATION LIGHTS

STH 20 & CTH H/RENAISSANCE BLVD
RACINE COUNTY
CATEGORY 1500
S51-0719

POLES (CONTRACTOR FURNISHED)

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH
SB1	1	1	--
SB2	1	--	1
SB4	1	--	1
SB6	1	--	1
SB7	1	--	1
SB8	1	1	--
SB10	1	1	--
SB11	1	--	1
SB12	1	--	1
TOTAL	9 *	3 *	6 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH
1	SB1	1	--
2	SB9	1	--
3	SB9	1	--
4	SB2	--	1
5	SB6	--	1
6	SB7	--	1
7	SB6	1	--
8	SB3	1	--
9	SB3	1	--
10	SB7	1	--
11	SB3	1	--
12	SB3	1	--
13	SB11	1	--
14	SB5	1	--
15	SB5	1	--
16	SB12	--	1
17	SB4	--	1
18	SB5	--	1
19	SB10	1	--
20	SB8	1	--
21	SB9	1	--
22	SB4	1	--
23	SB13	1	--
24	SB13	1	--
25	SB5	--	1
26	SB11	--	1
27	SB12	--	1
	TOTAL	18 *	9 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

POLES (STATE FURNISHED)

SIGNAL BASE NO.	659.1125 LUMINAIRES UTILITY LED C EACH	SPV.0060.3004 INSTALL POLES TYPE 10 EACH	SPV.0060.3006 INSTALL POLES TYPE 10 SPECIAL EACH	SPV.0060.3011 INSTALL MONOTUBE ARMS 30-FT EACH	SPV.0060.3012 INSTALL MONOTUBE ARMS 35-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3013 INSTALL MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE EACH	SPV.0060.3016 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH
SB3	2	--	1	--	--	1	2
SB5	2	--	1	--	1	--	2
SB9	2	1	--	1	--	--	2
SB13	2	--	1	--	1	--	2
TOTAL	8 *	1 *	3 *	1 *	2 *	1 *	8 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

PRE_477

3

3

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.3004 SIGNAL MOUNTING HARDWARE L.S.
STH 20 & CTH H/RENAISSANCE BLVD	1
TOTAL	1

TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS

LOCATION	661.0200.3005 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS L.S.	661.0300 GENERATORS DAY
STH 20 & CTH H/RENAISSANCE BLVD	1	
TOTAL	1	0 *

* ADDITIONAL QUANTITY SHOWN ELSEWHERE ON PLAN

TRANSPORT TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0105.3008 TRNSPT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS L.S.
STH 20 & CTH H/RENAISSANCE BLVD	1
TOTAL	1

EVP DETECTOR HEAD INSTALLATION

LOCATION	SPV.0105.3012 TRNSPT & INSTALL STATE FURN EVP DETECTOR HEADS & CONFIRMATION LIGHTS L.S.
STH 20 & CTH H/RENAISSANCE BLVD	1
TOTAL	1

TEMPORARY INFRARED EVP SYSTEM

LOCATION	SPV.0105.3013 TEMPORARY INFRARED EVP SYSTEM L.S.
STH 20 & CTH H/RENAISSANCE BLVD	1
TOTAL	1

STH 20
RACINE COUNTY
CATEGORY 1500
COMMUNICATIONS

CONDUIT

FROM	TO	671.0132 CONDUIT HDPE 3-DUCT 2-INCH L.F.	671.0232 CONDUIT HDPE DIRECTIONAL BORE 3-DUCT 2-INCH L.F.	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	655.0510 ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG L.F.
CV101	CB1 (S51-0728)	--	--	20	--	40
CV101	CV102	665	--	--	--	685
CV102	CB1 (S51-0324)	--	--	15	--	35
CV102	FTMS EXPB864	--	--	105	1	125
CV102	I/C PB1	85	--	--	--	105
I/C PB1	I/C PB2	120	--	--	--	140
I/C PB2	CV103	735	--	--	--	755
CV103	CB1 (S51-0727)	--	--	105	--	125
CV103	I/C PB3	920	--	--	--	940
I/C PB3	CV104	760	--	--	--	780
CV104	CB1 (S51-1478)	--	--	90	--	110
CV104	CV105	1355	150	--	--	1525
CV105	I/C PB4	525	--	--	--	545
I/C PB4	I/C PB5	--	55	--	--	75
I/C PB5	EXCV8	855	--	--	1	875
	TOTAL	6020	205	335 *	2 *	6860 *

* QUANTITY SHOWN ELSEWHERE ON PLAN

I/C PULL BOXES & VAULTS

STRUCTURE NO.	LOCATION**	653.0140 PULL BOXES STEEL 24x42-INCH EACH	673.0105 COMMUNICATION VAULT TYPE 1 EACH
CV101		--	1
CV102		--	1
CV103		--	1
CV104		--	1
CV105		--	1
I/C PB1		1	--
I/C PB2		1	--
I/C PB3		1	--
I/C PB4		1	--
I/C PB5		1	--
	TOTAL	5 *	5

* QUANTITY SHOWN ELSEWHERE ON PLAN
** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

STH 20
RACINE COUNTY
CATEGORY 1500
COMMUNICATIONS

FIELD SYSTEM INTEGRATOR

LOCATION		670.0100.3001 FIELD SYSTEM INTEGRATOR L.S.	670.0200.3001 ITS DOCUMENTATION L.S.	678.0500.3001 COMMUNICATION SYSTEM TESTING L.S.
1033-02-71		1	1	1
	TOTAL	1	1	1

FIBER OPTIC CABLE

FROM	TO	678.0036 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 36-CT L.F.	SPV.0090.3001 FIBER OPTIC WARNING TAPE L.F.
FTMS EXCV877	CV102	1880	--
CV101	CV102	865	665
CV102	CV103	1200	940
CV103	CV104	1910	1680
CV104	CV105	1655	1505
CV105	EXCV8	1645	1435
CV102	FTMS EXPB864	--	105
CV101	CB1 (S51-0728)	--	20
CV102	CB1 (S51-0324)	--	15
CV103	CB1 (S51-0727)	--	105
CV104	CB1 (S51-1478)	--	90
15% CONTINGENCY		1373	984
	TOTAL	10528	7544

FIBER OPTIC SPLICE

LOCATION		678.0200 FIBER OPTIC SPLICE ENCLOSURE EACH	678.0300 FIBER OPTIC SPLICE EACH
FTMS EXCV877		1	4
CV101		1	4
CV102		1	4
CV103		1	4
CV104		1	4
EXCV8		1	4
	TOTAL	6	24

FIBER OPTIC COMMUNICATIONS EQUIPMENT

LOCATION		678.0600 INSTALL ETHERNET SWITCHES EACH	678.0800 INSTALL CELLULAR MODEMS EACH	ST-ST SINGLE MODE FIBER JUMPER 2-CT 4-FEET*** EACH	CAT-5E CABLE 5-FEET*** EACH
CB1 (S51-0728)		1	1	2	3
CB1 (S51-0324)		1	1	2	3
CB1 (S51-0727)		1	1	2	3
CB1 (S51-1478)		1	1	2	3
CB1 (S51-1306)		1	--	2	3
	TOTAL	5	4	10	15

* PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

*** FOR INFORMATION ONLY

PRE_480

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: WAUKESHA	MISCELLANEOUS QUANTITIES	SHEET:	E

FILE NAME : J:\PROJECTS\d2_10330294\71\SIG\IC\SigFOIC_mq.pptx PLOT DATE : 5/20/2019 PLOT BY : DOTCMV PLOT NAME : SigFOIC_mq.pdf PLOT SCALE : 1:1

3

STATE FURNISHED MATERIALS SUMMARY (FOR INFORMATION ONLY)

FROM	TO	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT EACH	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT L.F.	ETHERNET SWITCH EACH	FIBER OPTIC CABLE OUTDOOR PLANT 36-CT L.F.
CV101	CB1 (S51-0728)	1	130	1	--
CV102	CB1 (S51-0324)	1	125	1	--
CV103	CB1 (S51-0727)	1	215	1	--
CV104	CB1 (S51-1478)	1	200	1	--
FTMS EXCV877	CV102	--	--	--	1880
CV101	CV102	--	--	--	865
CV102	CV103	--	--	--	1200
CV103	CV104	--	--	--	1910
CV104	CV105	--	--	--	1655
CV105	EXCV8	--	--	--	1645
15% CONTINGENCY		--	--	--	1373
	TOTAL	4	670	4	10528

TRANSPORT AND INSTALL STATE FURNISHED FIBER OPTIC COMMUNICATIONS MATERIALS

LOCATION	SPV.0105.3014 TRNSPT & INSTALL STATE FURN FIBER OPTIC CABLE PIGTAIL 8-CT L.S.	SPV.0105.3015 TRNSPT & INSTALL STATE FURN FIBER OPTIC CABLE PIGTAIL 8-CT L.S.	SPV.0105.3016 TRNSPT & INSTALL STATE FURN FIBER OPTIC CABLE PIGTAIL 8-CT L.S.	SPV.0105.3017 TRNSPT & INSTALL STATE FURN FIBER OPTIC CABLE PIGTAIL 8-CT L.S.	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT STATE FURNISHED L.F.
CB1 (S51-0728)	1	--	--	--	130
CB1 (S51-0324)	--	1	--	--	125
CB1 (S51-0727)	--	--	1	--	215
CB1 (S51-1478)	--	--	--	1	200
TOTAL	1	1	1	1	670

PRE_481

3

CONDUIT ITEMS

LOCATION	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF.	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF.	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH
STH 20 & RED CLOUD DRIVE	CB1	PB1	--	111	--
	PB1	PB2	156	--	--
	PB2	PB3	151	--	--
	PB1	PB4	--	148	--
	PB4	SB2	66	--	--
	PB4	PB5	--	54	--
	PB5	SB3	7	--	--
	PB5	PB6	24	--	--
	PB6	SB4	9	--	--
	PB5	PB7	--	128	--
	PB7	SB5	--	8	--
	PB7	PB8	--	84	--
	PB8	SB6	5	--	--
	PB8	PB9	20	--	--
	PB9	PB10	197	--	1
	PB8	PB11	--	92	--
	PB11	SB7	11	--	--
	PB11	SB8	19	--	--
	PB11	SB9	11	--	--
	PB11	PB12	--	78	--
	PB12	SB10	--	10	--
	PB12	PB13	19	--	--
	PB12	PB14	--	80	--
	PB14	SB11	10	--	--
	PB14	PB15	--	128	--
	PB15	SB12	34	--	--
	PB15	PB16	183	--	--
	PB16	PB17	153	--	--
	PB15	PB18	--	144	--
	PB18	SB13	35	--	--
	PB18	PB19	--	56	--
	PB19	SB14	12	--	--
	PB19	PB20	--	132	--
	PB20	PB21	--	42	--
	PB21	PB22	--	27	--
	PB22	SB16	5	--	--
	PB22	SB17	12	--	--
	PB21	PB23	--	132	--
	PB23	SB18	24	--	--
	PB23	PB24	--	78	--
	PB24	SB19	--	9	--
	PB24	SB20	25	--	--
	PB24	PB25	--	104	--
	PB25	SB1	16	--	--
	PB25	CB1	--	45	--
INTERSECTION TOTAL			1204	1690	1

PULL BOXES

LOCATION	PULL BOX NO.	ALIGNMENT	STATION	OFFSET	653.0135 PULL BOXES STEEL 24" x 36" EACH	653.0140 PULL BOXES STEEL 24" x 42" EACH
STH 20 & RED CLOUD DRIVE	PB1	STH 20	320+65	84.4' RT	--	1
	PB2	STH 20	319+12	84.3' RT	1	--
	PB3	STH 20	317+63	82.9' RT	1	--
	PB4	STH 20	320+61	11.0' RT	--	1
	PB5	STH 20	320+60	16.0' LT	--	1
	PB6	STH 20	320+84	16.0' LT	1	--
	PB7	STH 20	320+55	80.3' LT	--	1
	PB8	STH 20	320+90	101.4' LT	--	1
	PB9	STH 20	320+98	119.9' LT	1	--
	PB11	STH 20	321+35	92.5' LT	--	1
	PB12	STH 20	321+74	99.7' LT	--	1
	PB13	STH 20	321+70	118.7' LT	1	--
	PB14	STH 20	322+14	106.0' LT	--	1
	PB15	STH 20	322+75	84.4' LT	--	1
	PB16	STH 20	324+61	84.4' LT	1	--
	PB17	STH 20	326+16	84.3' LT	1	--
	PB18	STH 20	322+75	12.4' LT	--	1
	PB19	STH 20	322+76	16.1' RT	--	1
	PB20	STH 20	322+73	82.3' RT	--	1
	PB21	STH 20	322+58	97.6' RT	--	1
	PB22	STH 20	322+35	85.3' RT	--	1
	PB23	STH 20	321+96	114.1' RT	--	1
	PB24	STH 20	321+59	123.1' RT	--	1
	PB25	STH 20	321+16	96.0' RT	--	1
INTERSECTION TOTAL					7	17

3

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
1	EACH	TRAFFIC SIGNAL CABINET
1	EACH	TRAFFIC SIGNAL CONTROLLER
1	EACH	POLES TYPE 10
1	EACH	POLES TYPE 10 SPECIAL
2	EACH	POLES TYPE 13
1	EACH	MONOTUBE ARMS 30-FT
1	EACH	MONOTUBE ARMS 35-FT
2	EACH	MONOTUBE ARMS 55-FT
5	EACH	LUMINAIRE ARMS STEEL 15-FT
3	EACH	RADAR DETECTION UNITS
4	EACH	EVP DETECTOR HEADS
1	EACH	CELL MODEM
4	EACH	EVP CONFIRMATION LIGHTS

NOTE: THIS TABLE IS FOR INFORMATION ONLY.

ALL TRAFFIC SIGNAL QUANTITIES ARE CATEGORY 6500

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PROJECT NO: 1033-02-71 | **HWY: STH 20** | **COUNTY: RACINE** | **MISCELLANEOUS QUANTITIES** | **SHEET NO.** **E**

PLOT DATE : 5/14/2019 4:18 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000
WISDOT / CADDS SHEET 42

SIGNAL BASES AND POLES

LOCATION	SIG. BASE NO.	657.0100 PEDESTAL BASE EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2 INCH EACH	657.0305 POLES TYPE 2 EACH	657.0310 POLES TYPE 3 EACH	SPV.0060.3001 INSTALL POLES TYPE 10 EACH	SPV.0060.3002 INSTALL POLES TYPE 10 SPECIAL EACH	SPV.0060.3003 INSTALL POLES TYPE 13 EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH	657.0430 TRAFFIC SIGNAL STANDARDS ALUMINUM 10-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
STH 20 & RED CLOUD DRIVE	SB1	1	--	--	--	--	--	--	--	--	1	--	--	1	--
	SB2	--	1	--	1	--	--	--	--	--	--	--	2	1	2
	SB3	--	1	1	--	--	--	--	--	--	--	--	--	--	--
	SB4	--	1	1	--	--	--	--	--	--	--	--	--	--	--
	SB5	--	--	--	--	--	--	1	--	--	--	--	--	--	1
	SB6	1	--	--	--	--	--	--	--	1	--	--	--	1	--
	SB7	1	--	--	--	--	--	--	--	--	--	1	--	1	--
	SB8	1	--	--	--	--	--	--	1	--	--	--	--	1	--
	SB9	1	--	--	--	--	--	--	--	--	1	--	--	1	--
	SB10	--	--	--	--	1	--	--	--	--	--	--	--	1	2
	SB11	1	--	--	--	--	--	--	--	--	--	1	--	1	--
	SB12	1	--	--	--	--	--	--	--	--	1	--	--	1	--
	SB13	--	1	--	1	--	--	--	--	--	--	--	2	1	2
	SB14	--	1	1	--	--	--	--	--	--	--	--	--	--	--
	SB15	--	--	--	--	--	--	1	--	--	--	--	--	--	1
	SB16	1	--	--	--	--	--	--	--	1	--	--	--	1	--
	SB17	1	--	--	--	--	--	--	--	--	1	--	--	1	--
	SB18	--	1	1	--	--	--	--	--	--	--	--	--	1	--
	SB19	--	--	--	--	--	1	--	--	--	--	--	--	--	1
	SB20	1	--	--	--	--	--	--	--	--	--	1	--	1	--
INTERSECTION TOTAL		10	6	4	2	1	1	2	1	2	4	3	4	14	9

(CONTINUED ON NEXT PAGE)

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO. E

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000 WISDOT / CADDS SHEET 42

3

SIGNAL BASES AND POLES (CONT.)

LOCATION	SIG. BASE NO.	SPV.0060.3004 INSTALL MONOTUBE ARMS 30-FT EACH	SPV.0060.3005 INSTALL MONOTUBE ARMS 35-FT EACH	SPV.0060.3006 INSTALL MONOTUBE ARMS 55-FT EACH	SPV.0060.3007 INSTALL LUMINAIRE ARMS STEEL 15-FT EACH
STH 20 & RED CLOUD DR	SB1	--	--	--	--
	SB2	--	--	--	--
	SB3	--	--	--	--
	SB4	--	--	--	--
	SB5	--	--	1	1
	SB6	--	--	--	--
	SB7	--	--	--	--
	SB8	--	--	--	--
	SB9	--	--	--	--
	SB10	1	--	--	2
	SB11	--	--	--	--
	SB12	--	--	--	--
	SB13	--	--	--	--
	SB14	--	--	--	--
	SB15	--	--	1	1
	SB16	--	--	--	--
	SB17	--	--	--	--
	SB18	--	--	--	--
	SB19	--	1	--	1
	SB20	--	--	--	--
INTERSECTION TOTAL		1	1	2	5

CONCRETE BASES

LOCATION	SIGNAL BASE NO.	ALIGNMENT	STATION	OFFSET	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0110 CONCRETE BASES TYPE 10 EACH	SPV.0600.3000 CONCRETE BASES TYPE 10 SPECIAL EACH	654.0113 CONCRETE BASES TYPE 13 EACH	654.0217 CONCRETE CONTROL CABINET BASE TYPE 9 SPECIAL EACH
STH 20 & RED CLOUD DR	CB1	STH 20	321+01	97.6' RT	--	--	--	--	--	1
	SB1	STH 20	321+29	86.2' RT	1	--	--	--	--	--
	SB2	STH 20	321+29	12.7' RT	--	1	--	--	--	--
	SB3	STH 20	320+67	16.1' LT	--	1	--	--	--	--
	SB4	STH 20	320+94	15.8' LT	--	1	--	--	--	--
	SB5	STH 20	320+62	83.6' LT	--	--	--	--	1	--
	SB6	STH 20	320+87	96.2' LT	1	--	--	--	--	--
	SB7	STH 20	321+31	82.3' LT	1	--	--	--	--	--
	SB8	STH 20	321+38	73.7' LT	1	--	--	--	--	--
	SB9	STH 20	321+38	82.3' LT	1	--	--	--	--	--
	SB10	STH 20	321+75	89.4' LT	--	--	1	--	--	--
	SB11	STH 20	322+20	98.6' LT	1	--	--	--	--	--
	SB12	STH 20	322+41	88.2' LT	1	--	--	--	--	--
	SB13	STH 20	322+41	12.3' LT	--	1	--	--	--	--
	SB14	STH 20	322+64	15.6' RT	--	1	--	--	--	--
	SB15	STH 20	322+83	81.1' RT	--	--	--	--	1	--
	SB16	STH 20	322+34	82.3' RT	1	--	--	--	--	--
	SB17	STH 20	322+40	73.9' RT	1	--	--	--	--	--
	SB18	STH 20	321+92	90.9' RT	--	1	--	--	--	--
	SB19	STH 20	321+58	114.3' RT	--	--	--	1	--	--
	SB20	STH 20	321+51	99.9' RT	1	--	--	--	--	--
INTERSECTION TOTAL					10	6	1	1	2	1

3

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PRE_484

TRAFFIC SIGNAL CABLE

LOCATION	LOC.	TO	LOC.	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.	SPV.0090.3000 CABLE TYPE UF 2-14 AWG L.F.	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0700^ LOOP DETECTOR LEAD IN CABLE L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.	(INCIDENTAL)+ RADAR DETECTION COAXIAL CABLE L.F.
STH 20 & RED CLOUD DRIVE	CB1		SB1	--	--	45	--	--	--	45	--	--	--	--
	CB1		SB2	--	--	217	--	217	--	217	--	--	--	--
	CB1		SB3	--	193	--	--	--	--	--	--	--	--	--
	CB1		SB4	--	--	232	--	--	--	--	--	--	--	--
	CB1		SB5	--	--	275	--	--	309	--	--	--	309	--
	CB1		SB6	--	--	328	--	--	--	--	--	--	--	--
	CB1		SB7	--	--	397	--	--	--	--	--	--	--	--
	CB1		SB8	--	--	406	--	--	--	--	--	--	--	--
	CB1		SB9	--	--	--	397	--	--	--	--	--	--	--
	CB1		SB10	--	--	449	--	--	430	--	--	--	430	--
	CB1		SB11	--	--	503	--	--	--	--	--	--	--	--
	CB1		SB12	--	--	520	--	--	--	--	--	--	--	--
	CB1		SB13	--	--	431	--	--	--	--	--	--	--	414
	CB1		SB14	--	--	363	--	--	--	--	--	--	--	--
	CB1		SB15	--	277	--	--	--	307	--	--	--	307	--
	CB1		SB16	--	--	276	--	--	--	--	--	--	--	--
	CB1		SB17	--	--	286	--	--	--	--	--	--	--	--
	CB1		SB18	--	--	175	--	--	--	--	--	--	--	--
	CB1		SB19	--	--	105	--	105	142	--	--	--	142	265
	CB1		SB20	--	--	122	--	--	--	--	--	--	--	--
	SB1		SB20	--	--	--	--	--	--	124	--	--	--	--
	SB2		SB3	--	--	--	--	--	--	133	--	--	--	--
	SB2		SB5	--	--	--	--	216	--	--	--	--	--	--
	SB3		SB4	--	--	--	--	--	--	66	--	--	--	--
	SB4		SB5	--	--	--	--	--	--	147	--	--	--	--
	SB5		SB6	--	--	--	--	--	--	80	--	--	--	--
	SB5		SB10	--	--	--	--	202	--	--	--	--	--	--
	SB6		SB7	--	--	--	--	--	--	89	--	--	--	--
	SB7		SB8	--	--	--	--	--	--	44	--	--	--	--
	SB8		SB9	--	--	--	--	--	--	44	--	--	--	--

(CONTINUED ON NEXT PAGE)

^ADDITIONAL QUANTITIES LISTED ELSEWHERE.

+RADAR DETECTION CABLE IS MEASURED FROM CB1 TO THE RADAR DETECTION UNIT.

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO.	E

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000

WISDOT / CADDS SHEET 42

TRAFFIC SIGNAL CABLE (CONTINUED FROM PREVIOUS PAGE)

LOCATION	LOC.	TO	LOC.	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.	SPV.0090.3000 CABLE TYPE UF 2-14 AWG L.F.	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0700^ LOOP DETECTOR LEAD IN CABLE L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.	(INCIDENTAL)+ RADAR DETECTION COAXIAL CABLE L.F.
STH 20 & RED CLOUD DRIVE	SB9		SB10	--	--	--	--	--	--	88	--	--	--	--
	SB10		SB11	--	--	--	--	--	--	88	--	--	--	--
	SB11		SB12	--	--	--	--	--	--	141	--	--	--	--
	SB12		SB13	--	--	--	--	--	--	177	--	--	--	--
	SB13		SB14	--	--	--	--	--	--	105	--	--	--	--
	SB13		SB15	--	--	--	--	187	--	--	--	--	--	--
	SB14		SB15	--	--	--	--	--	--	119	--	--	--	--
	SB15		SB16	--	--	--	--	--	--	100	--	--	--	--
	SB15		SB19	--	--	--	--	204	--	--	--	--	--	--
	SB16		SB17	--	--	--	--	--	--	28	--	--	--	--
	SB17		SB18	--	--	--	--	--	--	175	--	--	--	--
	SB18		SB19	--	--	--	--	--	--	100	--	--	--	--
	SB19		SB20	--	--	--	--	--	--	47	--	--	--	--
	PB1		CB1	--	--	--	--	--	--	52	--	--	--	--
	PB4		SB3	--	--	--	--	--	--	59	--	--	--	--
	PB5		SB3	--	--	--	--	--	--	19	--	--	--	--
	PB6		SB4	--	--	--	--	--	--	21	--	--	--	--
	PB7		SB5	--	--	--	--	--	--	20	--	--	--	--
	PB8		SB6	--	--	--	--	--	--	15	--	--	--	--
	PB11		SB9	--	--	--	--	--	--	23	--	--	--	--
	PB12		SB10	--	--	--	--	--	--	22	--	--	--	--
	PB14		SB11	--	--	--	--	--	--	22	--	--	--	--
	PB15		SB12	--	--	--	--	--	--	48	--	--	--	--
	PB18		SB13	--	--	--	--	--	--	50	--	--	--	--
	PB19		SB14	--	--	--	--	--	--	24	--	--	--	--
	PB20		SB15	--	--	--	--	--	--	22	--	--	--	--
	PB21		SB15	--	--	--	--	--	--	56	--	--	--	--
	PB22		SB16	--	--	--	--	--	--	14	--	--	--	--
	PB23		SB18	--	--	--	--	--	--	37	--	--	--	--
	PB24		SB19	--	--	--	--	--	--	21	--	--	--	--
	PB25		CB1	--	--	--	--	--	--	28	--	--	--	--

(CONTINUED ON NEXT PAGE)

^ADDITIONAL QUANTITIES LISTED ELSEWHERE.

+RADAR DETECTION CABLE IS MEASURED FROM CB1 TO THE RADAR DETECTION UNIT.

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000
WISDOT / CADDS SHEET 42

TRAFFIC SIGNAL CABLE (CONTINUED FROM PREVIOUS PAGE)

LOCATION	LOC.	TO LOC.	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.	SPV.0090.3000 CABLE TYPE UF 2-14 AWG L.F.	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0700^ LOOP DETECTOR LEAD IN CABLE L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.	(INCIDENTAL)+ RADAR DETECTION COAXIAL CABLE L.F.
STH 20 & RED CLOUD DRIVE	SB1	HEAD 1	21	--	--	--	--	--	--	--	--	--	--
	SB1	HEAD 12	--	22	--	--	--	--	--	--	--	--	--
	SB1	HEAD 35	15	--	--	--	--	--	--	--	--	--	--
	SB1	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB2	HEAD 13	--	22	--	--	--	--	--	--	--	--	--
	SB2	HEAD 36	15	--	--	--	--	--	--	--	--	--	--
	SB2	HEAD 37	15	--	--	--	--	--	--	--	--	--	--
	SB2	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB2	LUMINAIRE	--	--	--	--	--	--	--	234	--	--	--
	SB3	HEAD 26	19	--	--	--	--	--	--	--	--	--	--
	SB4	HEAD 4	--	22	--	--	--	--	--	--	--	--	--
	SB4	HEAD 25	21	--	--	--	--	--	--	--	--	--	--
	SB5	HEAD 8	80	--	--	--	--	--	--	--	--	--	--
	SB5	HEAD 9	80	--	--	--	--	--	--	--	--	--	--
	SB5	HEAD 10	80	--	--	--	--	--	--	--	--	--	--
	SB5	LUMINAIRE	--	--	--	--	--	--	--	145	--	--	--
	SB6	HEAD 24	19	--	--	--	--	--	--	--	--	--	--
	SB6	HEAD 40	15	--	--	--	--	--	--	--	--	--	--
	SB6	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB7	HEAD 39	15	--	--	--	--	--	--	--	--	--	--
	SB7	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB8	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB9	HEAD 17	19	--	--	--	--	--	--	--	--	--	--
	SB9	HEAD 19	19	--	--	--	--	--	--	--	--	--	--
	SB9	HEAD 27	15	--	--	--	--	--	--	--	--	--	--
	SB9	HEAD 38	15	--	--	--	--	--	--	--	--	--	--
	SB9	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB10	HEAD 15	55	--	--	--	--	--	--	--	--	--	--
	SB10	HEAD 16	55	--	--	--	--	--	--	--	--	--	--
	SB10	HEAD 18	26	--	--	--	--	--	--	--	--	--	--
	SB10	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB10	LUMINAIRE	--	--	--	--	--	--	--	263	--	--	--

(CONTINUED ON NEXT PAGE)

^ADDITIONAL QUANTITIES LISTED ELSEWHERE.

+RADAR DETECTION CABLE IS MEASURED FROM CB1 TO THE RADAR DETECTION UNIT.

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000
WISDOT / CADDS SHEET 42

TRAFFIC SIGNAL CABLE (CONTINUED FROM PREVIOUS PAGE)

LOCATION	LOC.	TO LOC.	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.	655.0240 CABLE TRAFFIC SIGNAL 7-14 AWG L.F.	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF.	655.0270 CABLE TRAFFIC SIGNAL 15-14 AWG LF.	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED L.F.	SPV.0090.3000 CABLE TYPE UF 2-14 AWG L.F.	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG L.F.	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG L.F.	655.0700^ LOOP DETECTOR LEAD IN CABLE L.F.	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.	(INCIDENTAL)+ RADAR DETECTION COAXIAL CABLE L.F.
STH 20 & RED CLOUD DRIVE	SB11	HEAD 28	15	--	--	--	--	--	--	--	--	--	--
	SB11	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB12	HEAD 5	--	22	--	--	--	--	--	--	--	--	--
	SB12	HEAD 7	21	--	--	--	--	--	--	--	--	--	--
	SB12	HEAD 29	15	--	--	--	--	--	--	--	--	--	--
	SB12	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB13	HEAD 6	--	22	--	--	--	--	--	--	--	--	--
	SB13	HEAD 30	15	--	--	--	--	--	--	--	--	--	--
	SB13	HEAD 31	15	--	--	--	--	--	--	--	--	--	--
	SB13	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB13	LUMINAIRE	--	--	--	--	--	--	--	234	--	--	--
	SB14	HEAD 11	--	22	--	--	--	--	--	--	--	--	--
	SB15	HEAD 2	80	--	--	--	--	--	--	--	--	--	--
	SB15	HEAD 3	80	--	--	--	--	--	--	--	--	--	--
	SB15	LUMINAIRE	--	--	--	--	--	--	--	145	--	--	--
	SB16	HEAD 14	19	--	--	--	--	--	--	--	--	--	--
	SB16	HEAD 33	15	--	--	--	--	--	--	--	--	--	--
	SB16	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB17	HEAD 22	19	--	--	--	--	--	--	--	--	--	--
	SB17	HEAD 32	15	--	--	--	--	--	--	--	--	--	--
	SB17	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB18	HEAD 23	19	--	--	--	--	--	--	--	--	--	--
	SB18	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
	SB19	HEAD 20	60	--	--	--	--	--	--	--	--	--	--
	SB19	HEAD 21	60	--	--	--	--	--	--	--	--	--	--
	SB19	LUMINAIRE	--	--	--	--	--	--	--	145	--	--	--
	SB20	HEAD 34	15	--	--	--	--	--	--	--	--	--	--
	SB20	PUSH BUTTON	--	--	--	--	--	--	--	--	6	--	--
INTERSECTION TOTAL			1062	602	5130	397	1131	1188	2710	1166	84	1188	679

^ADDITIONAL QUANTITIES LISTED ELSEWHERE.

+RADAR DETECTION CABLE IS MEASURED FROM CB1 TO THE RADAR DETECTION UNIT.

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000
WISDOT / CADDS SHEET 42

LOCATION	SIG. BASE NO.	SIG. HEAD NO.	TYPE OF MOUNT	SIGNAL FACES 658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	* BCKPLT 3-SEC. EACH	* BCKPLT 4-SEC. EACH	* LED RED BALL EACH	* LED YELLOW BALL EACH	* LED GREEN BALL EACH	* LED RED ARROW EACH	* LED YELLOW ARROW EACH	* LED GREEN ARROW EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH	** PEDESTRIAN COUNTDOWN TIMER 16" EACH
STH 20 & RED CLOUD DRIVE	SB1	1	POST MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		12	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		35	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB2	13	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		36	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		37	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB3	26	POST MOUNT VERTICAL	1	--	1	--	1	--	--	--	1	1	--	--
	SB4	4	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		25	POST MOUNT VERTICAL	1	--	1	--	1	--	--	--	1	1	--	--
	SB5	8	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		9	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		10	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
	SB6	24	POST MOUNT VERTICAL	1	--	1	--	1	--	--	--	1	1	--	--
		40	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB7	39	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB9	17	POST MOUNT VERTICAL	1	--	1	--	--	--	--	1	1	1	--	--
		19	POST MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		27	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		38	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB10	15	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		16	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		18	MONOTUBE POLE MOUNT VERTICAL	1	--	1	--	--	--	--	1	1	1	--	--
	SB11	28	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB12	5	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		7	POST MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		29	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB13	6	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
		30	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
		31	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB14	11	POST MOUNT VERTICAL	--	1	--	1	--	--	--	1	2	1	--	--
	SB15	2	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		3	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
	SB16	14	POST MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		33	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB17	22	POST MOUNT VERTICAL	1	--	1	--	--	--	--	1	1	1	--	--
		32	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
	SB18	23	POST MOUNT VERTICAL	1	--	1	--	--	--	--	1	1	1	--	--
	SB19	20	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
		21	MONOTUBE ARM MOUNT VERTICAL	1	--	1	--	1	1	1	--	--	--	--	--
	SB20	34	PEDESTRIAN	--	--	--	--	--	--	--	--	--	--	1	1
INTERSECTION TOTAL				20	6	20	6	16	13	13	10	19	13	14	14

*INCIDENTAL TO 658.0173, OR 658.0174
**INCIDENTAL TO 658.0416

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO.	E

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000 WISDOT / CADDS SHEET 42

3

TRAFFIC DETECTOR LOOPS

LOCATION	LOOP NO.	HOME RUN PB	ALIGNMENT	STATION/OFFSET*	SIZE	SDD INSTALLATION REFERENCE	NO. OF TURNS	PAVEMENT TYPE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700^ LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
STH 20 & RED CLOUD DRIVE	11	PB6	STH 20	320+78, 6' LT	6'x20'	9F15-4a	3	CONCRETE	70	170	186
	12	PB6	STH 20	321+06, 6' LT	6'x20'	9F15-4a	3	CONCRETE	68	170	184
	13	PB8	STH 20	321+12, 119' LT	6'x20'	9F15-4a	3	CONCRETE	72	273	188
	14	PB8	STH 20	321+01, 93' LT	6'x20'	9F15-4a	3	CONCRETE	80	273	196
	15	PB8	STH 20	321+24, 115' LT	6'x20'	9F15-4b	3	CONCRETE	98	273	214
	16	PB8	STH 20	321+18, 88' LT	6'x20'	9F15-4b	3	CONCRETE	104	273	220
	21	PB17	STH 20	326+16, 71' LT	6'x14'	9F15-4a	5	CONCRETE	60	702	232
	22	PB17	STH 20	326+17, 56' LT	6'x14'	9F15-4b	5	CONCRETE	90	702	262
	23	PB17	STH 20	326+17, 42' LT	6'x14'	9F15-4b	5	CONCRETE	118	702	290
	24	PB17	STH 20	326+17, 30' LT	6'x14'	9F15-4b	5	CONCRETE	142	702	314
	25	PB16	STH 20	324+61, 71' LT	6'x10'	9F15-4a	5	CONCRETE	52	550	192
	26	PB16	STH 20	324+61, 56' LT	6'x10'	9F15-4b	5	CONCRETE	82	550	222
	27	PB16	STH 20	324+61, 43' LT	6'x10'	9F15-4b	5	CONCRETE	110	550	250
	28	PB16	STH 20	324+61, 31' LT	6'x10'	9F15-4b	5	CONCRETE	134	550	274
	44	PB13	STH 20	321+43, 113' LT	6'x20'	9F15-4b	3	CONCRETE	102	355	218
	45	PB13	STH 20	321+48, 85' LT	6'x20'	9F15-4b	3	CONCRETE	104	355	220
	51	PB19	STH 20	322+82, 6' RT	6'x20'	9F15-4a	3	CONCRETE	72	267	188
	52	PB19	STH 20	322+54, 6' RT	6'x20'	9F15-4a	3	CONCRETE	66	267	182
	61	PB3	STH 20	317+63, 59' RT	6'x6'	9F15-4b	5	CONCRETE	74	352	182
	62	PB3	STH 20	317+63, 43' RT	6'x6'	9F15-4b	5	CONCRETE	98	352	206
	63	PB3	STH 20	317+63, 31' RT	6'x6'	9F15-4b	5	CONCRETE	122	352	230
	64	PB2	STH 20	319+12, 73' RT	6'x6'	9F15-4a	4	CONCRETE	40	201	124
	65	PB2	STH 20	319+12, 59' RT	6'x6'	9F15-4b	4	CONCRETE	76	201	160
	66	PB2	STH 20	319+13, 42' RT	6'x6'	9F15-4b	4	CONCRETE	102	201	186
	67	PB2	STH 20	319+13, 30' RT	6'x6'	9F15-4b	4	CONCRETE	126	201	210
	71	PB13	STH 20	321+58, 116' LT	6'x20'	9F15-4a	3	CONCRETE	72	355	188
	72	PB13	STH 20	321+63, 89' LT	6'x20'	9F15-4a	3	CONCRETE	78	355	194
INTERSECTION TOTAL									2412	10254	5712

^ADDITIONAL QUANTITIES LISTED ELSEWHERE.

*LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.

NOTES: FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

S.D.D. 9F15-4a: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

S.D.D. 9F15-4b: LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO. E

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000 WISDOT / CADDS SHEET 42

3

TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET

LOCATION	SPV.0105.3000 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET (STH 20 & RED CLOUD DRIVE) L.S.
STH 20 & RED CLOUD DRIVE	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED RADAR DETECTION SYSTEM

LOCATION	SPV.0105.3001 TRANSPORT AND INSTALL STATE FURNISHED RADAR DETECTION SYSTEM (STH 20 & RED CLOUD DRIVE) L.S.
STH 20 & RED CLOUD DRIVE	1
TOTAL	1

3

TRANSPORT AND INSTALL STATE FURNISHED EMERGENCY VEHICLE PREEMPTION (EVP) EQUIPMENT

LOCATION	SPV.0105.3002 TRANSPORT AND INSTALL STATE FURNISHED EVP EQUIPMENT (STH 20 & RED CLOUD DRIVE) L.S.
STH 20 & RED CLOUD DRIVE	1
TOTAL	1

TRANSPORTING TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS

LOCATION	SPV.0105.3003 TRANSPORTING TRAFFIC SIGNAL AND INTERSECTION LIGHTING MATERIALS (STH 20 & RED CLOUD DRIVE) L.S.
STH 20 & RED CLOUD DRIVE	1
TOTAL	1

ELECTRICAL SERVICE METER BREAKER PEDESTAL

LOCATION	656.0200.01 ELECTRICAL SERVICE METER BREAKER PEDESTAL (STH 20 & RED CLOUD DRIVE) L.S.
STH 20 & RED CLOUD DRIVE	1
TOTAL	1

TRAFFIC SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.01 TRAFFIC SIGNAL MOUNTING HARDWARE (STH 20 & RED CLOUD DRIVE) L.S.
STH 20 & RED CLOUD DRIVE	1
TOTAL	1

STH 20 & RED CLOUD DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO: S51-1478

PROJECT NO: 1033-02-71	HWY: STH 20	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO. E

PLOT DATE : 5/14/2019 3:40 PM PLOT BY : PLOT NAME : 030201_mq PLOT SCALE : 1.000000:1.000000
WISDOT / CADDS SHEET 42

ADVANCED SIGNING ITEMS

CATEGORY	ROADWAY	STAGE DURATION DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 TRAFFIC CONTROL SIGNS DAYS
1000	STAGE 1A	41		
	STH 20		14	574
	RAMPS SW		3	123
	RAMPS NW		2	82
	RAMP SE		2	82
	RAMP NE		3	123
	WEST FRONTAGE ROAD SOUTH		6	246
	WEST FRONTAGE ROAD NORTH		3	123
	EAST FRONTAGE ROAD SOUTH		4	164
	EAST FRONTAGE ROAD NORTH		3	123
	STAGE 1A SUBTOTAL			1,640
	STAGE 1B	20		
	STH 20		14	280
	RAMPS SW		3	60
	RAMPS NW		2	40
	RAMP SE		2	40
	RAMP NE		3	60
	WEST FRONTAGE ROAD SOUTH		6	120
	WEST FRONTAGE ROAD NORTH		3	60
	EAST FRONTAGE ROAD SOUTH		4	80
	EAST FRONTAGE ROAD NORTH		3	60
	STAGE 1B SUBTOTAL			800
	STAGE 2	92		
	STH 20		14	1,288
	RAMPS NW		2	184
	RAMP SE		2	184
	WEST FRONTAGE ROAD SOUTH		6	552
	WEST FRONTAGE ROAD NORTH		3	276
	EAST FRONTAGE ROAD SOUTH		4	368
	EAST FRONTAGE ROAD NORTH		3	276
	STAGE 2 SUBTOTAL			3,128
	STAGE 3	92		
	STH 20		14	1,288
	RAMPS NW		2	184
	RAMP SE		2	184
	WEST FRONTAGE ROAD SOUTH		6	552
	WEST FRONTAGE ROAD NORTH		3	276
	EAST FRONTAGE ROAD SOUTH		4	368
	EAST FRONTAGE ROAD NORTH		3	276
	STAGE 3 SUBTOTAL			3,128
	STAGE 4A	27		
	STH 20		14	378
	RAMPS SW		3	81
	RAMPS NW		2	54
	RAMP SE		2	54
	RAMP NE		3	81
	WEST FRONTAGE ROAD SOUTH		6	162
	WEST FRONTAGE ROAD NORTH		3	81
	EAST FRONTAGE ROAD SOUTH		4	108
	EAST FRONTAGE ROAD NORTH		3	81
	STAGE 4A SUBTOTAL			1,080
	STAGE 4B	14		
	STH 20		14	196
	RAMPS SW		3	42
	RAMPS NW		2	28
	RAMP SE		2	28
	RAMP NE		3	42
	WEST FRONTAGE ROAD SOUTH		6	84
	WEST FRONTAGE ROAD NORTH		3	42
	EAST FRONTAGE ROAD SOUTH		4	56
	EAST FRONTAGE ROAD NORTH		3	42
	STAGE 4B SUBTOTAL			560
	UNDISTRIBUTED			1,034
	TOTALS			11,370 *

** FOR INFORMATION ONLY
* ADDITIONAL QUANTITIES ELSEWHERE

TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	649.0120 TEMPORARY MARKING LINE EPOXY 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	649.0120 WHITE LF	649.0120 WHITE LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 12.5' LINE 37.5' SKIP YELLOW LF	649.0150 WHITE LF	649.0150 WHITE LF	649.0220 TEMPORARY MARKING LINE EPOXY 8-INCH 3' LINE 9' SKIP WHITE LF	649.0220 WHITE LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH 3' LINE 9' SKIP WHITE LF	649.0250 WHITE LF	649.0820 TEMPORARY MARKING STOP LINE EPOXY 18-INCH WHITE LF	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH WHITE LF	649.0920 TEMPORARY MARKING DIAGONAL EPOXY 12-INCH YELLOW LF	649.0950 TEMPORARY MARKING DIAGONAL REMOVABLE TAPE 12-INCH YELLOW LF
1000	STAGE 1A														
	STH 20	--	--	--	--	7,149	1,648	429	--	985	82	--	--	--	--
	RAMPS SW	--	--	--	--	241	--	--	--	--	--	--	--	--	--
	RAMPS NW	--	--	--	--	184	51	--	--	193	--	--	--	--	--
	RAMP SE	--	--	--	--	375	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD SOUTH	--	--	--	165	501	--	--	--	153	--	--	--	--	--
	EAST FRONTAGE ROAD SOUTH	--	--	--	--	221	291	--	--	235	--	--	--	--	--
	EAST FRONTAGE ROAD NORTH	--	--	--	--	--	69	--	--	141	--	--	--	--	--
	RED CLOUD DRIVE	--	--	--	--	92	--	--	--	--	--	--	--	--	--
	STAGE 1A SUBTOTAL	--	--	--	165	8,763	2,059	429	--	1,707	82	--	--	--	--
	STAGE 1B														
	STH 20	7,842	6,399	1,003	5,099	6,589	516	--	--	508	35	--	249	--	--
	RAMP SE	--	52	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD SOUTH	--	179	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD NORTH	--	--	172	--	--	--	--	--	--	--	--	--	--	--
	EAST FRONTAGE ROAD SOUTH	--	64	--	--	--	--	--	--	--	--	--	--	--	--
	STAGE 1B SUBTOTAL	7,842	6,694	1,175	5,099	6,589	516	--	--	508	35	--	249	--	--
	STAGE 2														
	STH 20	3,167	6,493	1,181	2,235	4,531	505	367	--	108	135	282	--	354	--
	RAMP NW	542	587	--	276	482	--	--	--	--	--	48	--	--	--
	RAMP SE	490	534	--	378	537	--	--	--	--	--	38	--	--	--
	WEST FRONTAGE ROAD SOUTH	1,486	1,477	--	560	561	--	--	--	--	--	38	--	--	--
	WEST FRONTAGE ROAD NORTH	763	858	--	460	564	--	--	--	--	--	38	--	--	--
	EAST FRONTAGE ROAD SOUTH	994	1,148	--	187	457	--	62	35	--	--	48	--	--	--
	EAST FRONTAGE ROAD NORTH	873	963	--	52	275	--	--	--	80	254	36	--	--	--
	RED CLOUD DRIVE	459	588	--	--	--	--	--	--	--	--	32	--	--	--
	STAGE 2 SUBTOTAL	8,774	12,648	1,181	4,148	7,407	505	429	35	188	389	560	--	354	--
	STAGE 3														
	STH 20	--	--	--	11,725	19,681	2,071	--	--	1,068	--	--	230	--	397
	RAMP NW	--	--	--	921	867	--	--	--	--	--	--	43	--	--
	RAMP SE	--	--	--	1,151	1,200	--	--	--	--	--	--	43	--	--
	WEST FRONTAGE ROAD SOUTH	--	--	--	2,594	2,814	--	--	--	--	--	--	36	--	--
	WEST FRONTAGE ROAD NORTH	--	--	--	1,490	1,320	--	--	--	--	--	--	41	--	--
	EAST FRONTAGE ROAD SOUTH	--	--	--	2,210	2,112	--	--	--	152	12	--	48	--	--
	EAST FRONTAGE ROAD NORTH	--	--	--	840	960	--	--	--	184	--	--	32	--	--
	RED CLOUD DRIVE	--	--	--	354	408	--	--	--	--	--	--	--	--	--
	STAGE 3 SUBTOTAL	--	--	--	21,285	29,362	2,071	--	--	1,404	12	--	473	--	397
	STAGE 4A														
	STH 20	--	--	--	10,104	11,052	1,835	--	--	4,637	99	--	86	--	--
	RAMP NW	--	--	--	--	581	--	--	--	310	--	--	22	--	--
	WEST FRONTAGE ROAD NORTH	--	--	--	1,038	665	123	--	--	25	--	--	--	--	--
	EAST FRONTAGE ROAD SOUTH	--	--	--	1,206	--	--	--	--	130	33	--	--	--	--
	EAST FRONTAGE ROAD NORTH	--	--	--	--	--	78	--	--	145	--	--	31	--	--
	STAGE 4A SUBTOTAL	--	--	--	12,348	12,298	2,036	--	--	5,247	132	--	139	--	--
	STAGE 4B														
	STH 20	--	--	--	203	1,773	195	--	--	387	--	--	68	--	--
	EAST FRONTAGE ROAD NORTH	--	--	--	605	836	93	--	--	--	--	--	--	--	--
	STAGE 4B SUBTOTAL	--	--	--	808	2,609	288	--	--	387	--	--	68	--	--
	UNDISTRIBUTED	1,662	1,934	236	4,385	6,703	748	86	4	944	65	56	93	35	40
	TOTALS	18,278	21,276	2,592	48,238	73,731	8,223	944	39	10,385	715	616	1,022	389	437

TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH**	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH**	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH**	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH**	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0800 TRAFFIC CONTROL ARROW BOARDS EACH	643.0900 TRAFFIC CONTROL SIGNS EACH**	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH**	643.1050 TRAFFIC CONTROL SIGNS PCMS DAYS
1000	STAGE 1A	41															
	STH 20		226	9,266	4	164	--	--	8	328	9	369	1	11	451	1	41
	RAMPS SW		9	369	--	--	--	--	--	--	--	--	--	--	--	--	--
	RAMPS NW		8	328	--	--	--	--	--	--	--	--	--	--	--	--	--
	RAMP SE		9	369	--	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD SOUTH		20	820	--	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD NORTH		9	369	--	--	--	--	--	--	--	--	--	--	--	--	--
	EAST FRONTAGE ROAD SOUTH		45	1,845	--	--	--	--	--	--	--	--	--	--	--	--	--
	EAST FRONTAGE ROAD NORTH		15	615	--	--	--	--	--	--	--	--	--	--	--	--	--
	INTERNATIONAL DRIVE		70	2,870	--	--	--	--	--	--	10	410	--	9	369	--	--
	RED CLOUD DRIVE		10	410	--	--	--	--	--	--	--	--	--	--	--	--	--
	STAGE 1A SUBTOTAL			17,261		164	--	--		328		779	1		820		41
	STAGE 1B	20															
	STH 20		603	12,060	18	360	--	--	36	720	122	2,440	3	43	860	1	20
	RAMP SE		8	160	--	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD SOUTH		12	240	--	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD NORTH		20	400	--	--	--	--	--	--	--	--	--	--	--	--	--
	RED CLOUD DRIVE		10	200	--	--	--	--	--	--	--	--	--	--	--	--	--
	STAGE 1B SUBTOTAL			13,060		360	--	--		720		2,440	3		860		20
	STAGE 2	92															
	STH 20		671	61,686	3	276	135	135	6	552	122	11,224	2	27	2,484	2	184
	RAMP SW		--	--	4	368	--	--	8	736	--	--	--	2	184	--	--
	RAMP NW		50	4,600	1	92	--	--	2	184	11	1,012	--	1	92	1	92
	RAMP SE		53	4,876	1	92	--	--	2	184	14	1,288	--	1	92	1	92
	RAMP NE		--	--	5	460	--	--	10	920	--	--	--	2	184	--	--
	WEST FRONTAGE ROAD SOUTH		82	7,544	2	184	10	10	4	368	19	1,748	--	4	368	1	92
	WEST FRONTAGE ROAD NORTH		57	5,244	3	276	9	9	6	552	--	--	1	4	368	1	92
	EAST FRONTAGE ROAD SOUTH		70	6,440	4	368	19	19	8	736	14	1,288	2	4	368	1	92
	EAST FRONTAGE ROAD NORTH		75	6,900	5	460	8	8	10	920	5	460	1	6	552	1	92
	RED CLOUD DRIVE		36	3,312	--	--	--	--	--	--	--	--	--	--	--	--	--
	STAGE 2 SUBTOTAL			100,602		2,576	181	181		5,152		17,020	6		4,692		736
	STAGE 3	92															
	STH 20		463	42,596	3	276	130	130	6	552	84	7,728	--	20	1,840	2	184
	RAMP SW		--	--	5	460	--	--	10	920	--	--	--	1	92	--	--
	RAMP NW		49	4,508	--	--	--	--	--	--	20	1,840	--	--	--	1	92
	RAMP SE		63	5,796	--	--	--	--	--	--	24	2,208	--	--	--	1	92
	RAMP NE		--	--	7	644	--	--	14	1,288	--	--	--	1	92	--	--
	WEST FRONTAGE ROAD SOUTH		95	8,740	2	184	20	20	4	368	--	--	1	2	184	1	92
	WEST FRONTAGE ROAD NORTH		43	3,956	--	--	7	7	--	--	--	--	--	--	--	1	92
	EAST FRONTAGE ROAD SOUTH		109	10,028	6	552	20	20	12	1,104	--	--	--	10	920	1	92
	EAST FRONTAGE ROAD NORTH		21	1,932	3	276	5	5	6	552	--	--	--	4	368	1	92
	RED CLOUD DRIVE		18	1,656	--	--	--	--	--	--	--	--	--	1	92	--	--
	STAGE 3 SUBTOTAL			79,212		2,392	182	182		4,784		11,776	1		3,588		736
	STAGE 4A	27															
	STH 20		646	59,432	13	1,196	--	--	26	2,392	30	2,760	1	30	2,760	2	184
	RAMP NW		17	1,564	--	--	--	--	--	--	6	552	--	--	--	--	--
	WEST FRONTAGE ROAD NORTH		25	2,300	1	92	--	--	2	184	--	--	--	2	184	--	--
	EAST FRONTAGE ROAD SOUTH		65	5,980	4	368	--	--	8	736	--	--	1	7	644	--	--
	EAST FRONTAGE ROAD NORTH		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	STAGE 4A SUBTOTAL			69,276		1,656	--	--		3,312		3,312	2		3,588		184
	STAGE 4B	14															
	STH 20		59	5,428	--	--	--	--	--	--	15	1,380	--	4	368	1	92
	RAMP NE		5	460	--	--	--	--	--	--	--	--	--	--	--	--	--
	WEST FRONTAGE ROAD NORTH		9	828	--	--	--	--	--	--	--	--	--	--	--	--	--
	EAST FRONTAGE ROAD NORTH		34	3,128	2	184	--	--	4	368	--	--	--	3	276	--	--
	STAGE 4B SUBTOTAL			9,844		184	--	--		368		1,380	--		644		92
	UNDISTRIBUTED			28,926		733	36	36		1,466		3,671	1		1,419		181
	TOTALS			318,181		8,065	399	399		16,130		40,378	14		15,611 *		1,990

** FOR INFORMATION ONLY * ADDITIONAL QUANTITIES ELSEWHERE

TRAFFIC CONTROL DETOURS

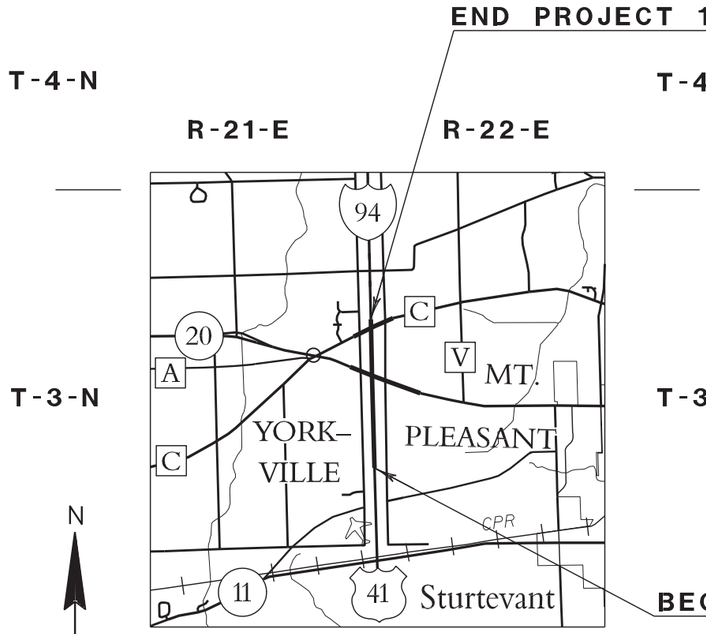
CATEGORY	ROADWAY	STAGE DURATION DAYS	643.3000 TRAFFIC CONTROL DETOUR SIGNS EACH**	643.3000 TRAFFIC CONTROL DETOUR SIGNS DAYS
1000	STAGE 2	92		
	IH 94 NB ON-RAMP		119	10,948
	IH 94 SB ON-RAMP		140	12,880
	STAGE 2 SUBTOTAL			23,828
	STAGE 3	92		
	IH 94 NB ON-RAMP		119	10,948
	IH 94 SB ON-RAMP		140	12,880
	STAGE 3 SUBTOTAL			23,828
	TOTALS			47,656

3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

TRANSPORTATION PROJECT PLAT TITLE SHEET

PROJECT NO. 1033-02-20
INTERSTATE 94
STH 20 INTERCHANGE
RACINE COUNTY



YORKVILLE R-21-E

MT. PLEASANT R-22-E

RACINE COUNTY

LAYOUT

SCALE 0 1 MILE

THE NOTES, CONVENTIONAL SYMBOLS, AND VARIOUS ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT OF PROJECT 1033-02-20.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT. RIGHT-OF-WAY MONUMENTS ARE TYPE 2 AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

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.

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 EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY THE HIGHWAY IS OPEN TO THE TRAVELING PUBLIC, WHICHEVER IS LATER.

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.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
CONVEYANCE OF RIGHTS	CR		
DOCUMENT	DOC.		
EASEMENT	EASE.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	⌀ (1" UNLESS NOTED)	PROPOSED R/W LINE	
		EXISTING H.E. LINE	
R/W MONUMENT	●(SET)	PROPERTY LINE	
R/W STANDARD	▲(SET)	LOT & TIE LINES	
SIGN	ISIGN	SLOPE INTERCEPTS	
SECTION CORNER MONUMENT		CORPORATE LIMITS	
SECTION CORNER SYMBOL		NO ACCESS (BY PREVIOUS ACQUISITION/CONTROL)	
FEE (HATCH VARIES)		NO 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	02	SIXTEENTH LINE	
SIGN NUMBER (OFF PREMISE)	21	EXISTING CENTERLINE	
BUILDING		PROPOSED REFERENCE LINE	
		PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

TPP NUMBER 1033-02-20-4.01
SHEET 2 OF 2

DOC # 2202146
Recorded
Feb. 18, 2009 AT 01:23PM
VOL. 1 P. 73

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amt. ESC 00

PRE_494

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.01

THAT PART OF THE NW1/4 OF THE SW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES
1	MLG/HWY 20	Fee AR	0.320	0.000	0.320	0.000
2	WOODSTOCK GROUP	Fee AR	0.122	0.000	0.122	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989

I-94
PI STA 839+47.69
Y 183216.67
X 594019.87
PC STA 834+61.20
PT STA 844+34.17
DELTA 0°19'28"
D 0°02'00"
L 972.97
R 171881.34
LCH 972.97
LCB N 00°17'27" W

A Cast Iron Monument w/ A Brass Cap
Y 181012.86
X 591458.89

A Cast Iron Monument w/ A Brass Cap
Y 181033.47
X 594106.88

A Concrete Monument w/ A Brass Cap
Y 183658.74
X 591455.76

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

A Cast Iron Monument w/ A Brass Cap
Y 183628.16
X 596604.26

SOUTH PROJECT LIMITS

69.75'

STA 817+63.88

2578.32'

N89° 33' 14"E

2652.71'

820 825 830 835 840

EXISTING ℄ I-94

N00°27'11"W ℞ I-94

6'

PI 839+47.69

N89°24'20"E 2563.20

STA 844+16.35

81.34'

N00°08'43"W

PC 834+61.20

245'

NO ACCESS, SEE PROJ. I 101-1(3)

SEE TPP 1033-02-20-4.02

S88°40'22"E 2504.78

SEE TPP 1033-02-20-4.02

1AP

PARCEL 1
CSM 1301
V 4 P 100

(100) V. 2301 P. 39 DOC. 1437519 PCL. 1

(101) NO RECORDED EASEMENT PCL. 1

(103) V 2301 P 41 DOC. 1437519 PCL. 1

VILLAGE OF MOUNT PLEASANT

NW1/4-SW1/4

N35°37'26"E 50.

3835

PC 3836+42.61
60.00°
50.00

PT 3842+36.09
60.00'

3843+50.00
60.00'

L 556.18
R 894.93
LCH 547.27
LCB S 17°49'11" W

L 115.26
R 1024.93
LCH 115.20
LCB N 32°24'07" E

3840

℞ EAST FRONTAGE ROAD

S05°41'42"E

52.21'

65.21'

N00°00'55"E

STA 3844+00.46

60.02'

163.01'

PI 3839+49.28

L 516.62
R 1014.93
LCH 511.06
LCB N 14°35'52" E

SEE TPP 1033-02-20-4.02

1784.86

EAST FRONTAGE ROAD
PI STA 3839+49.28
Y 183199.84
X 594759.75
PC STA 3836+42.61
PT STA 3842+36.09
DELTA -35°36'31"
D 06°00'00"
L 593.47
R 954.93
LCH 583.97
LCB N 17°49'10" E

T-3-N R-21-E R-22-E
YORKVILLE MT. PLEASANT
RACINE COUNTY
SHEET LOCATION

GN

SCALE, FEET
0 100 200

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 2/10/09 Robert Duffek
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 2/10/09 Paul Krause
Name

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.01
SHEET 1 OF 2
AMENDMENT NO:

DOC # 2202146
Recorded
Feb. 18, 2009 AT 01:23PM
VOL. 1 P. 72

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee $

PRE_495

FILE NAME : C:\Users\P\D2\10330200\STH20\CadLinks\040401_rp.dgn PLOT DATE : 10-FEB-2009 11:28 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000

CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.01

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.01
AMENDMENT NO: 1

VACATES PARCEL 108 OF TPP 1033-02-20-4.01, RECORDED AS DOCUMENT 2202146.

THAT PART OF THE NW1/4 OF THE SW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES
1	MLG/HWY 20	Fee AR	0.320	0.000	0.320	0.000
2	WOODSTOCK GROUP	Fee AR	0.122	0.000	0.122	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989

A Cast Iron Monument
w/ A Brass Cap
Y 181012.86
X 591458.89

N89° 33' 14"E
2578.32'

SOUTH PROJECT LIMITS
69.75'
STA 817+63.88
2652.71'

820 825 830 835 840

EXISTING ℄ I-94
N00°27'11"W ℞ I-94
6'

I-94
PI STA 839+47.69
Y 183216.67
X 594019.87
PC STA 834+61.20
PT STA 844+34.17
DELTA 0°19'28"
D 0°02'00"
L 972.97
R 171881.34
LCH 972.97
LCB N 00°17'27" W

PI 839+47.69
PC 834+61.20
245'

A Concrete Monument
w/ A Brass Cap
Y 183658.74
X 591455.76

N89°24'20"E
2563.20

STA 844+16.35
81.34'
N00°08'43"W

A Concrete Monument
w/ A Brass Cap
Y 183686.18
X 594100.16

S88°40'22"E
2504.78

NO ACCESS, SEE PROJ. I 101-1(3)

SEE TPP
1033-02-20-4.02

1AP
PRM505 PRM506 PC 3836+42.61 60.00' 50.00'
50'
N35°37'26"E
3835
PRM507 PRM508 PT 3842+36.09 60.00' 3843+50.00 60.00'
L 556.18
R 894.93
LCH 547.27
LCB S 17°49'11" W
594.69'
SEE TPP
1033-02-20-4.02

PRM501 PRM502 PRM503 PRM504 PRM505 PRM506 PRM507 PRM508
3835+00.00 100.00'
3836+42.61
3837+50.00 100.00'
L 115.26
R 1024.93
LCH 115.20
LCB N 32°24'07" E
PI 3839+49.28
L 516.62
R 1014.93
LCH 511.06
LCB N 14°35'52" E
PRM542
3842+36.09 60.00'

60' 2 3840 50' 50' ℄ EAST FRONTAGE ROAD ℄ 60' 1
S05°41'42"E
52.21'
65.21'
N00°00'55"E
STA 3844+00.46
60.02'
163.01'
1784.86'

A Cast Iron Monument
w/ A Brass Cap
Y 183628.16
X 596604.26

SEE TPP
1033-02-20-4.02

A Cast Iron Monument
w/ A Brass Cap
Y 181033.47
X 594106.88

SW1/4-SW1/4

PARCEL 1
CSM 1301
V 4 P 100

(100) V. 2301 P. 39 DOC. 1437519 PCL. 1
(101) NO RECORDED EASEMENT PCL. 1
(103) V 2301 P 39 DOC. 1437519 PCL. 1

NW1/4-SW1/4

VILLAGE OF MT. PLEASANT

N
T-3-N
R-21-E R-22-E
YORKVILLE MT. PLEASANT
R-21-E R-22-E
RACINE COUNTY
YORK-VILLE
PLEASANT MT.
Sturtevant
CPR
SHEET LOCATION

GN

EAST FRONTAGE ROAD
PI STA 3839+49.28
Y 183199.84
X 594759.75
PC STA 3836+42.61
PT STA 3842+36.09
DELTA -35°36'31"
D 06°00'00"
L 593.47
R 954.93
LCH 583.97
LCB N 17°49'10" E

SCALE, FEET
0 100 200

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DATE: 11-18-2010 — Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 11-18-2010 — Paul Krause, Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.01
SHEET 1 OF 2
AMENDMENT NO: 1

DOCUMENT # 2269383
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:21 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages 1
Vol PRE_496

FILE NAME : J:\projects\d2_r_10330294\20\040401A1_rp.dgn
PLOT DATE : 18-NOV-2010 14:20
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.01 A1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
I-94	DJ 2483	VARIES	1923
STH 20	F065-1(6)	VARIES	1963
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989
EAST FRONTAGE ROAD	CSM 1378	60'	1988
HOSPITALITY COURT	CSM 1983	66'	1997
HOSPITALITY COURT	CSM 1783	66'	1995

I-94
PI STA 839+47.69
Y 183216.67
X 594019.87
PC STA 834+61.20
PT STA 844+34.17
DELTA 0°19'28"
D 0°02'00"
L 972.97
R 171881.34
LCH 972.97
LCB N 00°17'27" W

EAST FRONTAGE ROAD
PI STA 3851+87.15
Y 184457.58
X 594760.09
PC STA 3849+78.70
PT STA 3853+95.51
DELTA 2°59'07"
D 00°42'58"
L 416.81
R 8000.00
LCH 416.76
LCB N 01°28'38" W

EAST FRONTAGE ROAD
PI STA 3856+49.68
Y 184919.59
X 594736.12
PC STA 3855+29.74
PT STA 3857+65.35
DELTA 26°28'10"
D 11°14'04"
L 235.61
R 510.00
LCH 233.52
LCB N 10°15'53" E

CURVE 1
L 204.11
R 483.07
LCH 202.59
LCB N 09°08'04" E

CURVE 2
L 56.47
R 7579.44
LCH 56.47
LCB S 02°45'23" E

CURVE 3
L 367.35
R 7699.44
LCH 367.32
LCB N 01°36'53" W

CURVE 4
L 168.32
R 366.07
LCH 166.85
LCB N 10°18'49" E

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.02

THAT PART OF LOT 1 OF CSM 1983, LOT 1 OF CSM 1378, LOTS 1 AND 2 OF CSM 1627, PARCELS 1 AND 2 OF CSM 1818, AND THAT PART OF THE NW1/4 OF THE NW1/4 AND THE SW1/4 OF THE NW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
			R/W REQUIRED ACRES			
PARCEL NUMBER	OWNER	INTEREST REQUIRED	NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
1	MLG/HWY 20	Fee AR TLE	0.028	0.000	0.028	0.062
2	WOODSTOCK GROUP	Fee AR	0.030	0.000	0.030	0.000
3	HILIFE PROPERTIES	Fee AR TLE	0.037	0.000	0.037	0.088
4	RACINE HOTEL LLC	TLE	0.000	0.000	0.000	0.037
5	MC DONALDS	Fee AR TLE	0.007	0.000	0.007	0.223
6	CHARNICK LLC	Fee AR TLE	0.162	0.000	0.162	0.003
7	SHAH	Fee AR TLE	0.135	0.000	0.135	0.083
8	B&G REALTY	AR TLE	0.000	0.000	0.000	0.111
9	KWIK TRIP INC.	Fee AR TLE	0.147	0.000	0.147	0.460
10	CONVENIENCE STORE INV.	Fee TLE	0.174	0.000	0.174	0.155
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT	ROR	- -	- -	- -	- -

A Concrete Monument w/ A Brass Cap Y 183658.74 X 591455.76

A Concrete Monument w/ A Brass Cap Y 183686.18 X 594100.16

A Concrete Monument w/ A Brass Cap Y 186347.14 X 594090.84

A Cast Iron Monument w/ A Brass Cap Y 183628.16 X 596604.26

SEE TPP 1033-02-20-4.06

SEE TPP 1030-02-20-4.01

SEE TPP 1033-02-20-4.03

STA 844+16.35

STA 294+10.29 STH 20 = STA 862+37.60 R I-94

STA 294+96.54

STA 3844+00.46

STA 303+05.91 STH 20 = STA 3858+95.98 E FR

N89°24'20"E 2644.53'

S89°48'00"W 2660.98' COR. TO COR. N00°12'02"W

N00°07'43"W

N0°7'44"W

EXISTING ℄ I-94

℞ I-94

℞ NORTH BOUND EXIT RAMP

℞ EAST FRONTAGE ROAD

VILLAGE OF MT. PLEASANT

SW1/4-NW1/4

NW1/4-NW1/4

PARCEL 1

PARCEL 2

CSM 1818 V 5 P 534

CSM 1627 V 4 P 973

CSM 1783 V 5 P 431

CSM 1983 V 6 P 61

LOT 1

LOT 2

TLE SLOPES AND DRIVES

TLE SLOPES

TLE DRIVE

HOSPITALITY COURT

ACCESS BY DOC.1344160

NO ACCESS BY CSM

NO ACCESS, SEE PROJ. 1032-06-29

25' ACCESS EASE.

1/16 LINE

REBAR IP

DETAIL NOT TO SCALE

DETAILS NOT TO SCALE

SHEET LOCATION

SCALE, FEET 0 100 200

GN

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

(100) V. 2301 P. 39 DOC. 1437519 PCL. 1, 3, 4
V. 1954 P. 558 DOC. 1278847 PCL. 5
NO RECORDED EASEMENT PCL. 9,10

(101) NO RECORDED EASEMENT PCL. 1,3,4,9,10

(103) V. 2301 P. 41 DOC. 1437519 PCL. 1, 3, 4

(108) V. 4 P. 307 DOC. 1267827 PCL. 5
V. 5 P. 534 DOC. 1527180 PCL. 9

(109) DOC. 1969693 PCL. 1

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 Robert A Duffield
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 Paul Krause
Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.02
AMENDMENT NO:

DOC # 2207205
Recorded
Mar. 27, 2009 AT 03:33PM
VOL. 1 P. 74
James R. Ladwig
JAMES R LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount:

PRE_497

FILE NAME : J:\projects\d2_r_10330294\040402_rp.dgn
APPRAISAL PLAT DATE : 02-19-09
PLOT DATE : 24-MAR-2009 08:01
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.02

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
I-94	DJ 2483	VARIES	1923
STH 20	F065-1(6)	VARIES	1963
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989
EAST FRONTAGE ROAD	CSM 1378	60'	1988
HOSPITALITY COURT	CSM 1983	66'	1997
HOSPITALITY COURT	CSM 1783	66'	1995

I-94
PI STA 839+47.69
Y 183216.67
X 594019.87
PC STA 834+61.20
PT STA 844+34.17
DELTA 0°19'28"
D 0°02'00"
L 972.97
R 171881.34
LCH 972.97
LCB N 00°17'27" W

EAST FRONTAGE ROAD
PI STA 3851+87.15
Y 184457.58
X 594760.09
PC STA 3849+78.70
PT STA 3853+95.51
DELTA 2°59'07"
D 00°42'58"
L 416.81
R 8000.00
LCH 416.76
LCB N 01°28'38" W

EAST FRONTAGE ROAD
PI STA 3856+49.68
Y 184919.59
X 594736.12
PC STA 3855+29.74
PT STA 3857+65.35
DELTA 26°28'10"
D 11°14'04"
L 235.61
R 510.00
LCH 233.52
LCB N 10°15'53" E

CURVE 1
L 204.11
R 483.07
LCH 202.59
LCB N 09°08'04" E

CURVE 2
L 56.47
R 7579.44
LCH 56.47
LCB S 02°45'23" E

CURVE 3
L 367.35
R 7699.44
LCH 367.32
LCB N 01°36'53" W

CURVE 4
L 168.32
R 366.07
LCH 166.85
LCB N 10°18'49" E

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.02 AMENDMENT NO: 1

ADDS UTILITY AGREEMENT NUMBER 209 AND PARCEL 107, AMENDS PARCELS 101, 103, 108, 109, AND PARCEL 10 IN THE SCHEDULE OF TPP 1033-02-20-4.02, RECORDED AS DOCUMENT 2207205.

THAT PART OF LOT 1 OF CSM 1983, LOT 1 OF CSM 1378, LOTS 1 AND 2 OF CSM 1627, PARCELS 1 AND 2 OF CSM 1818, AND THAT PART OF THE NW1/4 OF THE NW1/4 AND THE SW1/4 OF THE NW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLYAND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
1	MLG/HWY 20	Fee AR TLE	0.028	0.000	0.028	0.062
2	WOODSTOCK GROUP	Fee AR	0.030	0.000	0.030	0.000
3	HILIFE PROPERTIES	Fee AR TLE	0.037	0.000	0.037	0.088
4	RACINE HOTEL LLC	TLE	0.000	0.000	0.000	0.037
5	MC DONALDS	Fee AR TLE	0.007	0.000	0.007	0.223
6	CHARNICK LLC	Fee AR TLE	0.162	0.000	0.162	0.003
7	SHAH	Fee AR TLE	0.135	0.000	0.135	0.083
8	B&G REALTY	AR TLE	0.000	0.000	0.000	0.111
9	KWIK TRIP INC.	Fee AR TLE	0.147	0.000	0.147	0.460
10	CONVENIENCE STORE INV.	Fee AR TLE	0.174	0.000	0.174	0.155
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
107	TIME WARNER CABLE	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE SEWER	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT SANITARY	ROR	- -	- -	- -	- -
UA209	VILLAGE OF MT. PLEASANT SANITARY	- -	- -	- -	- -	- -

(100) V. 2301 P. 39 DOC. 1437519
PCL. 1, 3, 4
V. 1954 P. 558 DOC. 1278847
PCL. 5
NO RECORDED EASEMENT
PCL. 9, 10

(101) NO RECORDED EASEMENT
PCL. 1,3

(103) V. 2301 P. 39 DOC. 1437519
PCL. 1, 3, 4
NO RECORDED EASEMENT
PCL. 10

(107) NO RECORDED EASEMENT
PCL. 4

(108) V. 1655 P. 991 DOC. 1111817
PCL. 1, 5, 7, 8

(109) DOC. 1969693
PCL. 1
CSM 1378 V. 4 P. 307 DOC. 1267827
PCL. 5
CSM 1818 V. 5 P. 534 DOC. 1527180
PCL. 8, 9
NO RECORDED EASEMENT
PCL. 10

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT. BY SE REGION DOT SURVEY.
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DATE: 11-18-2010 — Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 11-18-2010 — Paul Krause, Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.02
AMENDMENT NO: 1

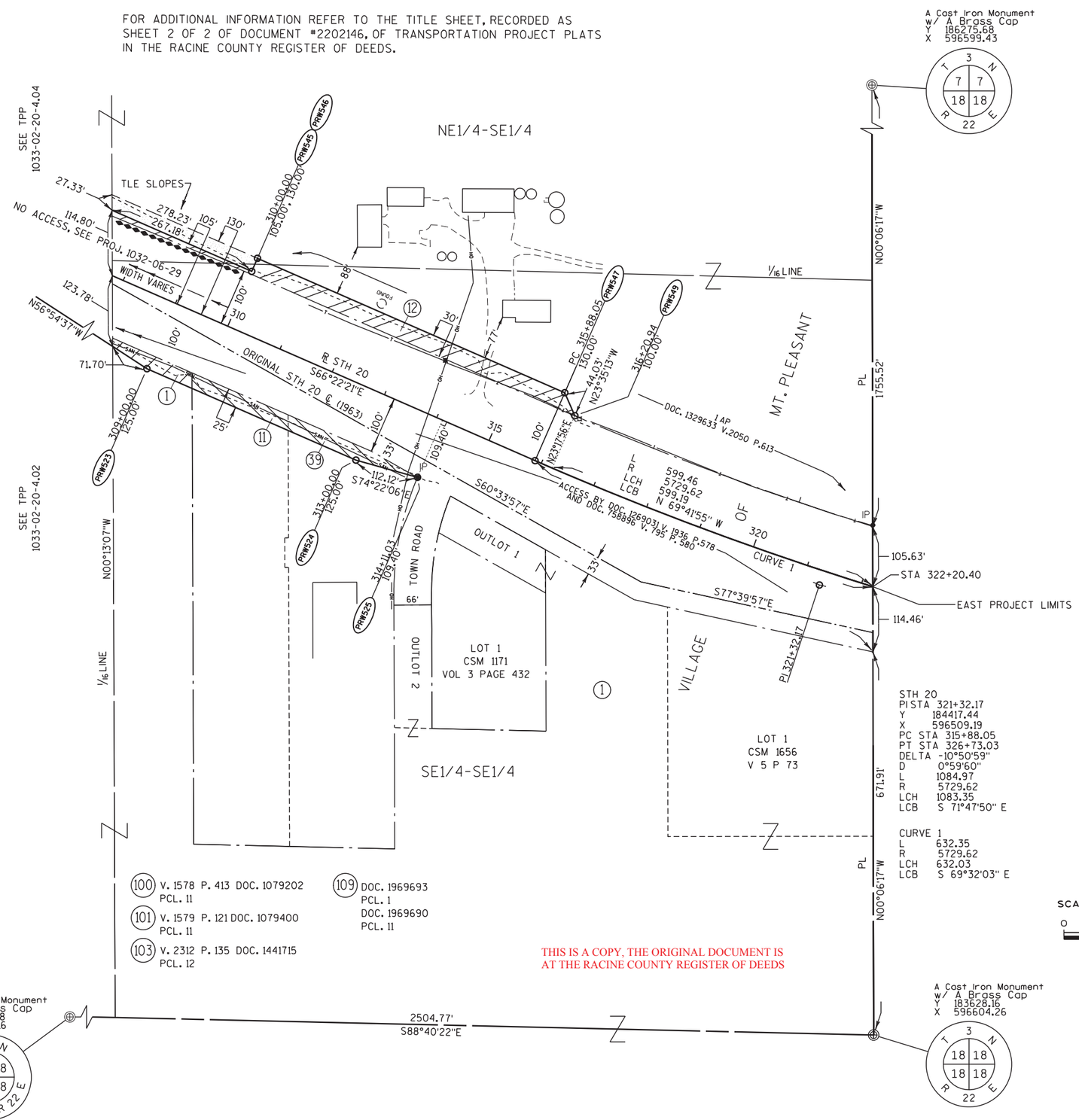
DOCUMENT # 2269384
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:22 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1
PRE_498

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

SCALE, FEET 0 100 200

FILE NAME : J:\projects\d2_r_10330294\20\040402A1_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 18-NOV-2010 14:21 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.02A1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.



A Cast Iron Monument
w/ A Brass Cap
Y 186275.68
X 596599.43

T 3 N
7 7
18 18
R 22 E

A Concrete Monument
w/ A Brass Cap
Y 183686.18
X 594100.16

T 3 N
13 18
13 18
R 21 E R 22 E

A Cast Iron Monument
w/ A Brass Cap
Y 183628.16
X 596604.26

T 3 N
18 18
18 18
R 22 E

STH 20
PISTA 321+32.17
Y 184417.44
X 596509.19
PC STA 315+88.05
PT STA 326+73.03
DELTA -10°50'59"
D 0°59'60"
L 1084.97
R 5729.62
LCH 1083.35
LCB S 71°47'50" E

CURVE 1
L 632.35
R 5729.62
LCH 632.03
LCB S 69°32'03" E

(100) V. 1578 P. 413 DOC. 1079202 PCL. 11
(101) V. 1579 P. 121 DOC. 1079400 PCL. 11
(103) V. 2312 P. 135 DOC. 1441715 PCL. 12
(109) DOC. 1969693 PCL. 1 DOC. 1969690 PCL. 11

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

GN

SCALE, FEET
0 100 200

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.03

THAT PART OF THE SE1/4 OF THE SE1/4 AND THE NE1/4 OF THE SE1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

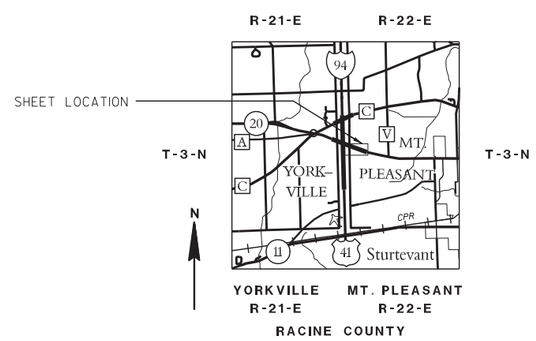
RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
1	MLG/HWY 20	Fee	0.078	0.000	0.078	0.000
11	MT. PLEASANT GROUP LLC	Fee	0.105	0.000	0.105	0.000
12	HENRY J. KUIPER	Fee TLE	0.459	0.000	0.459	0.157
39	MT. PLEASANT GROUP LLC	Fee	0.111	0.000	0.111	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT	ROR	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
STH 20	F065-1(6)	VARIES	1963
TOWN ROAD	CSM 1171	66'	1986



NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 Robert D. Duffek
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 Paul Krause
Name Paul Krause

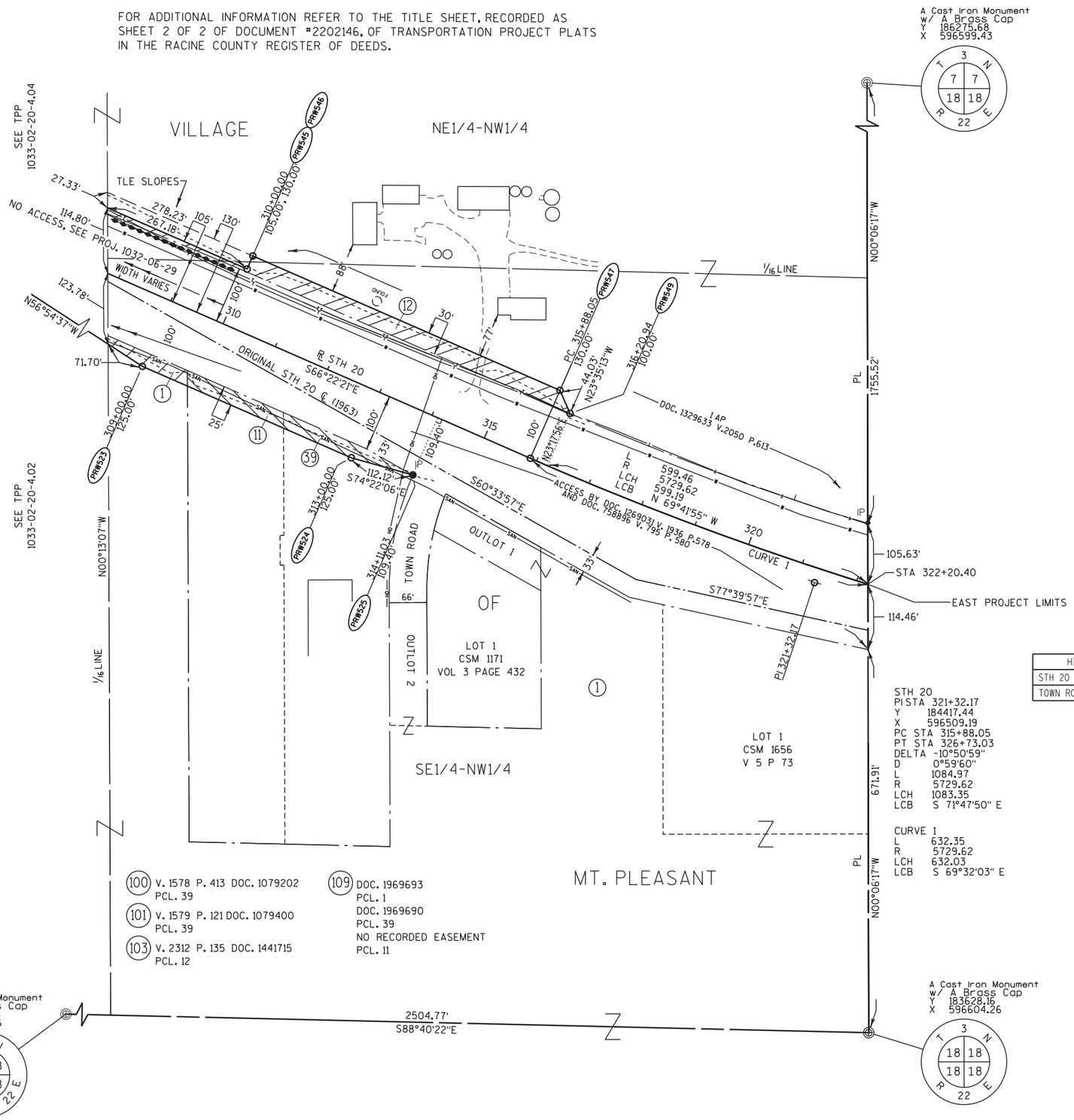
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.03
AMENDMENT NO:

DOC # 2202206
Recorded
Mar. 27, 2009 AT 03:37PM
VOL. 1 P. 75
James A. Ladwig
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: 125.00

PRE_499

FILE NAME : J:\projects\d2_r_10330294\040403_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 17-MAR-2009 13:07
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.03

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.



TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.03 AMENDMENT NO: 1

ADDS UTILITY AGREEMENT NUMBER 210 AND AMENDS PARCELS 100, 101, AND 109 OF TPP 1033-02-20-4.03, RECORDED AS DOCUMENT 2207206.

THAT PART OF THE SE1/4 OF THE NW1/4 AND THE NE1/4 OF THE NW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

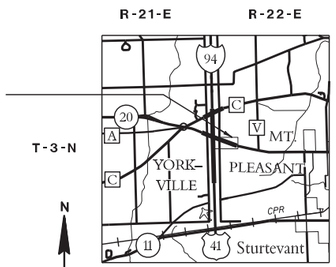
RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLYAND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
1	MLG/HWY 20	Fee	0.078	0.000	0.078	0.000
11	MT. PLEASANT GROUP LLC	Fee	0.105	0.000	0.105	0.000
12	HENRY J. KUIPER	Fee TLE	0.459	0.000	0.459	0.157
39	MT. PLEASANT GROUP LLC	Fee	0.111	0.000	0.111	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT SANITARY	ROR	- -	- -	- -	- -
UA210	RACINE WATER UTILITY	- -	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
STH 20	F065-1(6)	VARIES	1963
TOWN ROAD	CSM 1171	66'	1986



GN

SCALE, FEET
0 100 200

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 11-18-2010 — Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 11-18-2010 — Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.03
AMENDMENT NO: 1

DOCUMENT # 2269385
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:22 PM

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1

Vol 1 PRE_500

FILE NAME : J:\projects\d2_r_10330294\20\040403A1_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 18-NOV-2010 14:22
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.03A1

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.04

THAT PART OF LOT 1 OF CSM 1993, LOT 1 OF CSM 1536 AND THAT PART OF THE NE1/4 OF THE NW1/4 AND THE NW1/4 OF THE NW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

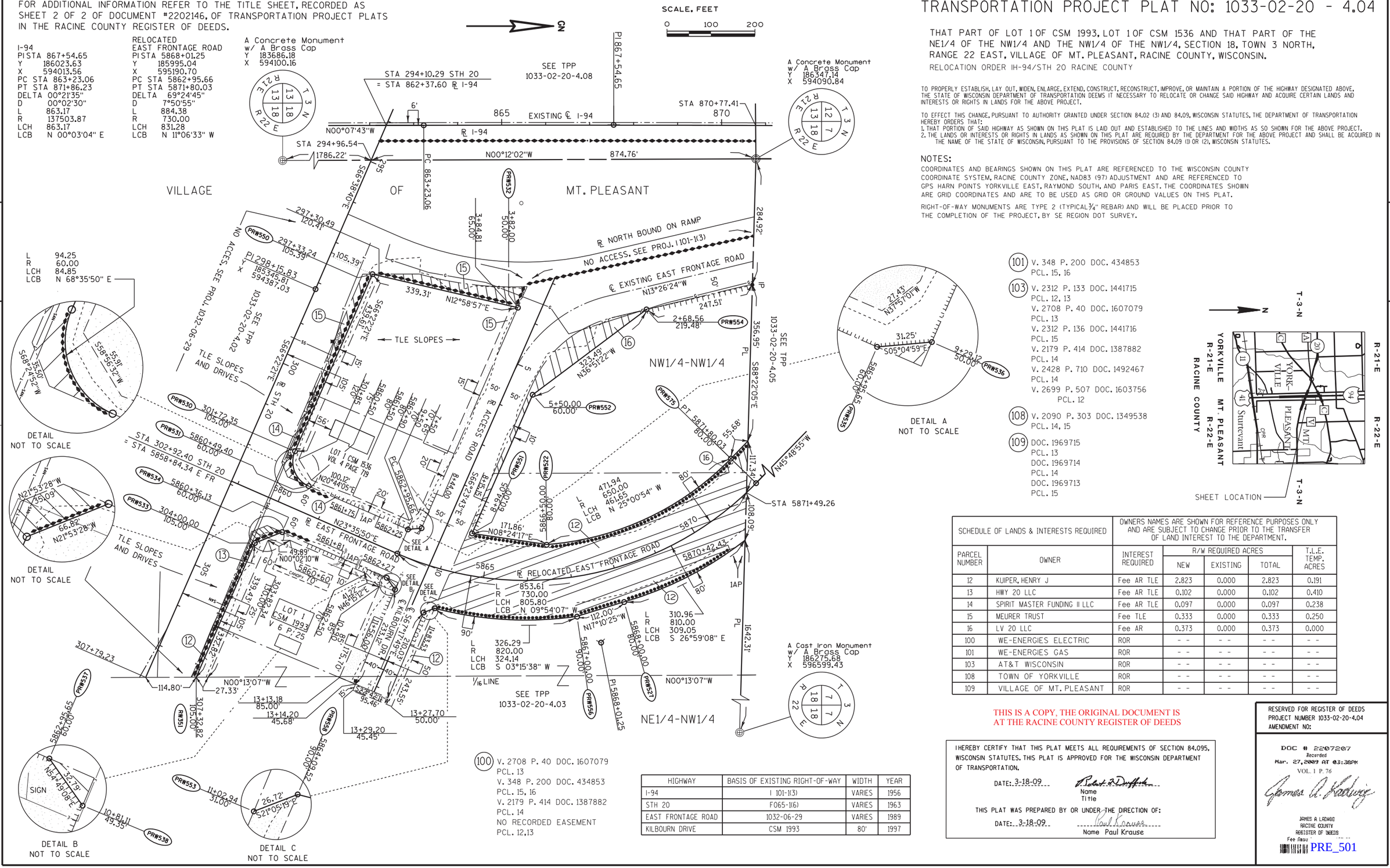
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.



SCHEDULE OF LANDS & INTERESTS REQUIRED			OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
12	KUIPER, HENRY J	Fee AR TLE	2.823	0.000	2.823	0.191
13	HWY 20 LLC	Fee AR TLE	0.102	0.000	0.102	0.410
14	SPIRIT MASTER FUNDING II LLC	Fee AR TLE	0.097	0.000	0.097	0.238
15	MEURER TRUST	Fee TLE	0.333	0.000	0.333	0.250
16	LV 20 LLC	Fee AR	0.373	0.000	0.373	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT	ROR	- -	- -	- -	- -

100 V. 2708 P. 40 DOC. 1607079
PCL. 13
V. 348 P. 200 DOC. 434853
PCL. 15, 16
V. 2179 P. 414 DOC. 1387882
PCL. 14
NO RECORDED EASEMENT
PCL. 12,13

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	F065-1(6)	VARIES	1963
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989
KILBOURN DRIVE	CSM 1993	80'	1997

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 — Robert D. Duffek, Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 — Paul Krause, Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.04
AMENDMENT NO:

DOC # 2207207
Recorded
Mar. 27, 2009 AT 03:38PM
VOL. 1 P. 76
James A. Ladwig
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amou
PRE_501

FILE NAME : J:\projects\d2_r_10330294\040404_rp.dgn
APPRAISAL PLAT DATE : 02-26-09
PLOT DATE : 24-MAR-2009 08:02
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.04

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.04 AMENDMENT NO: 1

AMENDS PARCELS 13, 14, 100, 101 & ADDS PARCEL 112 OF TPP 1033-02-20-4.04, RECORDED AS DOCUMENT 2207207.

THAT PART OF LOT 1 OF CSM 1993, LOT 1 OF CSM 1536 AND THAT PART OF THE NE1/4 OF THE NW1/4 AND THE NW1/4 OF THE NW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

I-94
PI STA 867+54.65
Y 186023.63
X 594013.56
PC STA 863+23.06
PT STA 871+86.23
DELTA 00°21'35"
D 00°02'30"
L 863.17
R 137503.87
LCH 863.17
LCB N 00°03'04" E

RELOCATED EAST FRONTAGE ROAD
PI STA 5868+01.25
Y 185995.04
X 595190.70
PC STA 5862+95.66
PT STA 5871+80.03
DELTA 69°24'45"
D 7°50'55"
L 884.38
R 730.00
LCH 831.28
LCB N 11°06'33" W

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

A Concrete Monument w/ A Brass Cap
Y 186347.14
X 594090.84

SCALE, FEET
0 100 200

SEE TPP 1033-02-20-4.08

STA 294+10.29 STH 20 = STA 862+37.60 ℄ I-94

STA 870+77.41

EXISTING ℄ I-94

℄ I-94

STA 294+96.54

1786.22'

N00°07'43"W

N00°12'02"W 874.76'

PC 863+23.06

PI 867+54.65

VILLAGE OF MT. PLEASANT

℄ NORTH BOUND ON RAMP

NO ACCESS, SEE PROJ. I 101-1(3)

℄ EXISTING EAST FRONTAGE ROAD

N13°26'24"W 247.51'

IP

284.92'

356.95'

PL

SEE TPP 1033-02-20-4.05

S88°22'05"E

NW1/4-NW1/4

NE1/4-NW1/4

TLE SLOPES

TLE SLOPES AND DRIVES

NO ACCESS SEE PROJ. 1032-06-29

SEE TPP 1033-02-20-4.02

℄ STH 20

℄ EAST FRONTAGE ROAD

℄ RELOCATED EAST FRONTAGE ROAD

℄ KILBOURN DRIVE

ACCESS ROAD

LOT 1 CSM 1536 VOL 4 PAGE 719

LOT 1 CSM 1993 V 6 P. 25

CONCRETE TOE

L 94.25
R 60.00
LCH 84.85
LCB N 68°35'50" E

DETAIL NOT TO SCALE

DETAIL NOT TO SCALE

DETAIL NOT TO SCALE

DETAIL A NOT TO SCALE

DETAIL B NOT TO SCALE

DETAIL C NOT TO SCALE

SEE DETAIL A

SEE DETAIL B

SEE DETAIL C

SIGN

L 853.61
R 730.00
LCH 805.80
LCB N 09°54'07" W

L 471.94
R 650.00
LCH 461.65
LCB N 25°00'54" W

L 310.96
R 810.00
LCH 309.05
LCB S 26°59'08" E

L 284.38'
R 820.00
LCH 282.96
LCB S 01°47'47" W

1/16 LINE SEE TPP 1033-02-20-4.03

STA 5871+49.26

STA 5863+73.20 E FR = STA 10+00 AR 5865

STA 302+92.40 = STA 5858+84.34 E FR

STA 5861+81

STA 5862+27

STA 5862+80

STA 5866+50.00

STA 5867+00.00

STA 5868+00.00

PI 5868+01.25

PT 5871+80.03

PI 298+15.83
185345.81
594387.03

297+30.49
120.41'

297+33.24
105.39'

301+72.35
105.00'

304+00.00
105.00'

307+79.23

307+32.82
105.00'

10+78.00
90.00'

13+13.45
90.00'

13+13.45
50.62'

13+13.45
29.38'

11+03.42
29.38'

10+81.11
49.35'

2+68.56
219.48'

5+50.00
60.00'

PRW550 PRW530 PRW531 PRW534 PRW533 PRW532 PRW554 PRW552 PRW535 PRW536 PRW522 PRW551 PRW555 PRW556 PRW527 PRW537 PRW538 PRW553 PRW559 PRW557 PRW558 PRW351

LOT#	PARCEL#
12	151-03-22-18-015-000
13	151-03-22-18-015-040
14	151-03-22-18-016-030
15	151-03-22-18-016-020
16	151-03-22-18-016-000
112	151-03-22-18-015-000

(108) V. 2090 P. 303 DOC. 1349538 PCL. 14, 15

(109) DOC. 1969715 PCL. 13 DOC. 1969714 PCL. 14 DOC. 1969713 PCL. 15

(100) V. 2708 P. 40 DOC. 1607079 PCL. 13 V. 2179 P. 414 DOC. 1387882 PCL. 14

(101) NO RECORDED EASEMENT PCL. 15, 16

(103) V. 2312 P. 133 DOC. 1441715 PCL. 12, 13 V. 2708 P. 40 DOC. 1607079 PCL. 13 V. 2312 P. 136 DOC. 1441716 PCL. 15 V. 2179 P. 414 DOC. 1387882 PCL. 14 V. 2428 P. 710 DOC. 1492467 PCL. 14 V. 2699 P. 507 DOC. 1603756 PCL. 12

A Cast Iron Monument w/ A Brass Cap
Y 186275.68
X 596599.43

T-3-N R-21-E R-22-E

YORKVILLE MT. PLEASANT R-22-E RACINE COUNTY

SHEET LOCATION

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
12	KUIPER, HENRY J	Fee AR TLE	2.823	0.000	2.823	0.191
13	HWY 20 LLC	Fee AR TLE	0.102	0.000	0.102	0.421
14	SPIRIT MASTER FUNDING II LLC	Fee AR TLE	0.097	0.000	0.097	0.238
15	MEURER TRUST	Fee TLE	0.333	0.000	0.333	0.250
16	LV 20 LLC	Fee AR	0.373	0.000	0.373	0.000
112	KUIPER, HENRY J	Fee	0.317	0.000	0.317	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT	ROR	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	F065-1(6)	VARIES	1963
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989
KILBOURN DRIVE	CSM 1993	80'	1997

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 6-29-2010 A E Andersen
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 6-29-2010 Paul Krause
Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.04
AMENDMENT NO: 1

Vol 1 pg 109

DOCUMENT # 2255367
RACINE COUNTY REGISTER OF DEEDS
July 13, 2010 4:15 PM

James A. Ladwig

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee P PRE_502

FILE NAME : J:\projects\d2_r_10330294\20\040404A1_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 29-JUN-2010 07:10 PLOT BY : dotphk PLOT NAME : PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.04

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.04 AMENDMENT NO: 2

ADDS UTILITY AGREEMENT NUMBERS 209 & 210 TO TPP 1033-02-20-4.04 AMENDMENT NO. 1, RECORDED AS DOCUMENT 2255367.

THAT PART OF LOT 1 OF CSM 1993, LOT 1 OF CSM 1536 AND THAT PART OF THE NE1/4 OF THE NW1/4 AND THE NW1/4 OF THE NW1/4, SECTION 18, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

I-94
PI STA 867+54.65
Y 186023.63
X 594013.56
PC STA 863+23.06
PT STA 871+86.23
DELTA 00°21'35"
D 00°02'30"
L 863.17
R 137503.87
LCH 863.17
LCB N 00°03'04" E

RELOCATED EAST FRONTAGE ROAD
PI STA 5868+01.25
Y 185995.04
X 595190.70
PC STA 5862+95.66
PT STA 5871+80.03
DELTA 69°24'45"
D 7°50'55"
L 884.38
R 730.00
LCH 831.28
LCB N 11°06'33" W

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

A Concrete Monument w/ A Brass Cap
Y 186347.14
X 594090.84

SCALE, FEET
0 100 200

GN

STA 294+10.29 STH 20 = STA 862+37.60 ℄ I-94
SEE TPP 1033-02-20-4.08
PI 867+54.65
STA 870+77.41
EXISTING ℄ I-94
℄ I-94
STA 294+96.54
1786.22'
N00°07'43"W
N00°12'02"W 874.76'
PC 863+23.06
VILLAGE OF MT. PLEASANT
℄ NORTH BOUND ON RAMP
NO ACCESS, SEE PROJ. 1101-1(3)
℄ EXISTING EAST FRONTAGE ROAD
N13°26'24"W 247.51'
IP
SEE TPP 1033-02-20-4.05
PL S88°22'05"E 356.95'
NW1/4-NW1/4
TLE SLOPES
TLE SLOPES AND DRIVES
NO ACCESS, SEE PROJ. 1032-06-29
SEE TPP 1033-02-20-4.02
℄ STH 20
℄ ACCESS ROAD
℄ EAST FRONTAGE ROAD
℄ KILBOURN DR.
LOT 1 CSM 1536 VOL 4 PAGE 119
LOT 1 CSM 1993 V 6 P. 25
RELOCATED EAST FRONTAGE ROAD
STA 5863+73.20 E FR = STA 10+00 AR
STA 5871+49.26
STA 5870+42.43
1/16 LINE
SEE TPP 1033-02-20-4.03
NE1/4-NW1/4
A Cast Iron Monument w/ A Brass Cap
Y 186275.68
X 596599.43
PRW532 PRW550 PRW530 PRW531 PRW534 PRW533 PRW537 PRW538 PRW551 PRW522 PRW552 PRW554 PRW515 PRW536 PRW535 PRW527 PRW556 PRW555 PRW559 PRW557 PRW553

L 94.25
R 60.00
LCH 84.85
LCB N 68°35'50" E

DETAIL NOT TO SCALE

DETAIL NOT TO SCALE

DETAIL NOT TO SCALE

DETAIL B NOT TO SCALE

DETAIL C NOT TO SCALE

DETAIL A NOT TO SCALE

SEE DETAIL A
SEE DETAIL B
SEE DETAIL C

T-3-N
R-21-E
R-22-E
YORKVILLE R-21-E
MT. PLEASANT R-22-E
RACINE COUNTY
SHEET LOCATION

SCHEDULE OF LANDS & INTERESTS REQUIRED			OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.			
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
12	HENRY J. KUIPER	Fee AR TLE	2.823	0.000	2.823	0.191
13	HWY 20 LLC	Fee AR TLE	0.102	0.000	0.102	0.421
14	SPIRIT MASTER FUNDING II LLC	Fee AR TLE	0.097	0.000	0.097	0.238
15	MEURER TRUST	Fee TLE	0.333	0.000	0.333	0.250
16	LV 20 LLC	Fee AR	0.373	0.000	0.373	0.000
112	HENRY J. KUIPER	Fee	0.317	0.000	0.317	0.000
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE SEWER	ROR	- -	- -	- -	- -
109	VILLAGE OF MT. PLEASANT SANITARY	ROR	- -	- -	- -	- -
UA209	VILLAGE OF MT. PLEASANT SANITARY	- -	- -	- -	- -	- -
UA210	RACINE WATER UTILITY	- -	- -	- -	- -	- -

(100) V. 2708 P. 40 DOC. 1607079 PCL. 13
V. 2179 P. 414 DOC. 1387882 PCL. 14

(101) NO RECORDED EASEMENT PCL. 15, 16

(103) V. 2699 P. 507 DOC. 1603756 PCL. 12
V. 2312 P. 133 DOC. 1441715 PCL. 12, 13
V. 2708 P. 40 DOC. 1607079 PCL. 13
V. 2179 P. 414 DOC. 1387882 PCL. 14
V. 2428 P. 710 DOC. 1492467 PCL. 14
V. 2312 P. 136 DOC. 1441716 PCL. 15

(108) V. 2090 P. 303 DOC. 1349538 PCL. 14, 15

(109) DOC. 1969715 PCL. 13
DOC. 1969714 PCL. 14
DOC. 1969713 PCL. 15

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	F065-1(6)	VARIES	1963
EAST FRONTAGE ROAD	1032-06-29	VARIES	1989
KILBOURN DRIVE	CSM 1993	80'	1997

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES, THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 11-18-2010 — D E Andersen — Name, Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 11-17-2010 — Paul Krause — Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.04
AMENDMENT NO: 2

DOCUMENT # 2269386
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:22 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages 1
Vol 1 PRE_503

FILE NAME : J:\projects\d2_r_10330294\20\040404A2_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 18-NOV-2010 06:55
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.04A2

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
17	I-94 ASSOCIATES	Fee, AR, TLE	6.348	0.000	6.348	0.445

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	1032-06-29	VARIES	1989
CTH C	I 101-1(3)	140'	1956

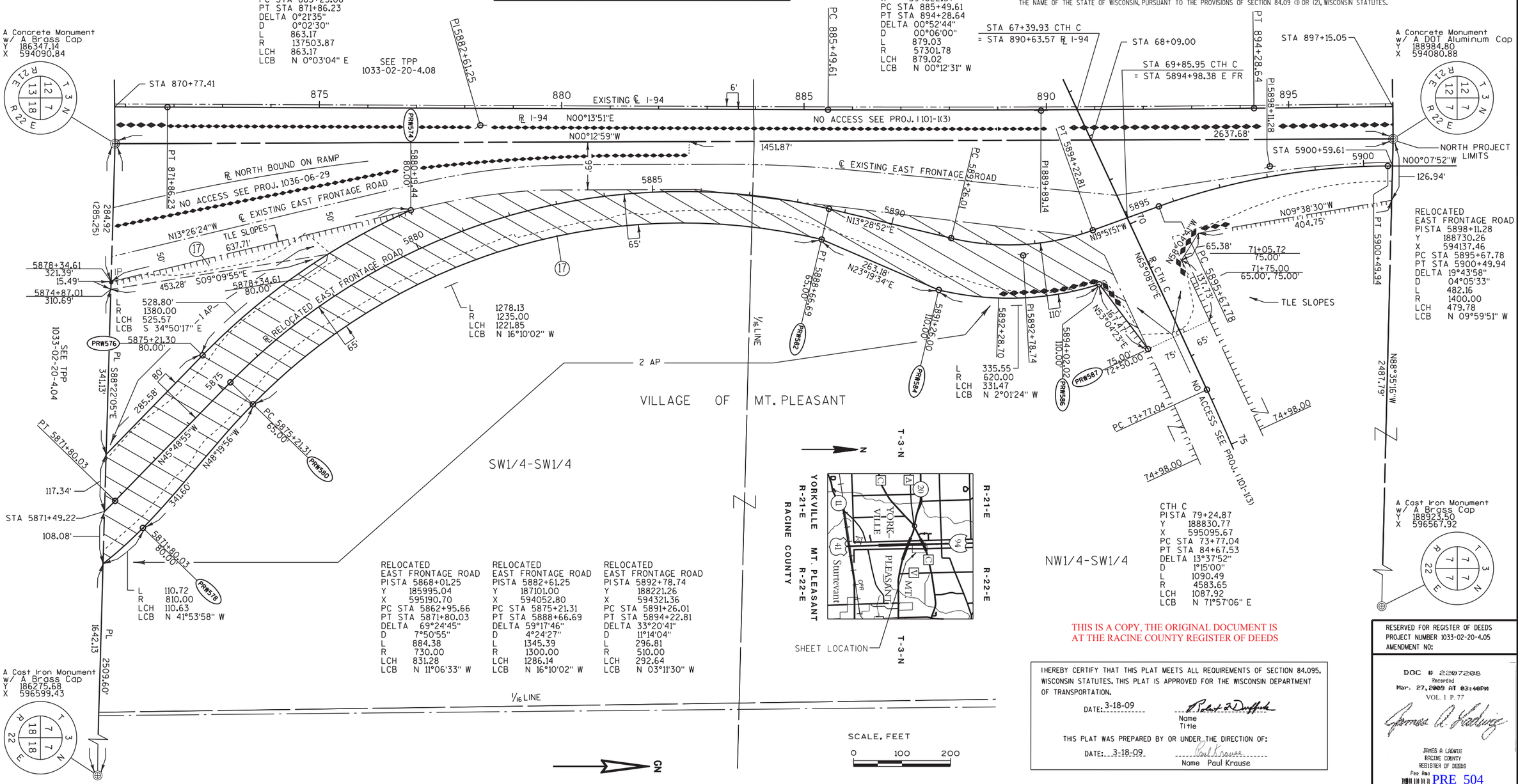
TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.05

THAT PART OF THE NW1/4 OF THE SW1/4 AND THE SW1/4 OF THE SW1/4 OF SECTION 7, TOWN 3 NORTH, RANGE 22 EAST, VILLAGE OF MT. PLEASANT, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 Robert J. Duffeck
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 Paul Krause
Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.05
AMENDMENT NO:

DOC # 2207208
Recorded
Mar. 27, 2009 AT 03:40PM
VOL. 1 P. 77
James A. Ladwig
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Rec
PRE_504

FILE NAME : J:\projects\d2_r_10330294\040405_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 17-MAR-2009 13:27
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-02-70 STH 20 R/W 1033-02-20 4.05

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.06

THAT PART OF PARCEL 4 OF CSM 2008, PARCELS 1 AND 2 OF CSM 1950, PARCELS 1 AND 2 OF CSM 2154, PARCELS 1 AND 2 OF CSM 2604, PARCELS 1 AND 2 OF CSM2150, PARCELS 1 AND 2 OF CSM 2044, AND THAT PART OF THE NE1/4 OF THE NE1/4 AND THE SE1/4 OF THE NE1/4 OF SECTION 13, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
18	SIERRA PROPERTIES LLC	Fee AR	0.328	0.000	0.328	0.000
19	REICO INVESTMENTS INC.	Fee AR TLE	0.286	0.000	0.286	.0310
20	WILLKOMM DEVELOPMENT LLP	Fee AR TLE	0.252	0.000	0.252	0.768
21	SNIKNEJ CO.	Fee AR	0.564	0.000	0.564	0.000
22	MOSHI HOTELS	Fee AR	0.026	0.000	0.026	0.005
23	MASKAL LLC	Fee AR	0.023	0.000	0.023	0.008
24	XYLON OF WISCONSIN INC.	AR TLE	0.000	0.000	0.000	0.083
25	TRIPLE H	AR TLE	0.000	0.000	0.000	0.106
26	SPOKES LLC	TLE	0.000	0.000	0.000	0.015
27	RACINE COUNTY CONVENTION CENTER	TLE	0.000	0.000	0.000	0.036
36	SNIKNEJ CO.	Fee AR	0.522	0.000	0.522	0.000
37	SNIKNEJ CO.	TLE	0.000	0.000	0.000	0.060
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
107	TIME WARNER CABLE	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -

(100) V. 2683 P. 372 DOC. 1597577 PCL. 20
V. 2251 P. 323 DOC. 1417354 PCL. 20
V. 2670 P. 833 DOC. 1592809 PCL. 20
V. 2435 P. 793 DOC. 1495719 PCL. 22, 23
V. 2674 P. 417 DOC. 1594130 PCL. 24, 36
DOC. 1923809 PCL. 24
V. 2422 P. 248 DOC. 1489365 PCL. 21
NO RECORDED EASEMENT 18, 19, 20, 25

(101) NO RECORDED EASEMENT PCL. 18

(107) NO RECORDED EASEMENT PCL. 19,20,22,23,24,25,36

(103) V. 3010 P. 829 DOC. 1720105 PCL. 20
V. 2435 P. 793 DOC. 1495719 PCL. 22, 23
V. 2312 P. 152 DOC. 1442099 PCL. 25, 26, 27, 37
V. 2674 P. 417 DOC. 1594130 PCL. 24, 36
V. 2422 P. 248 DOC. 1489365 PCL. 21
V. 2362 P. 959 DOC. 1462193 PCL. 25
V. 2998 P. 592 DOC. 1715613 PCL. 25
V. 2998 P. 595 DOC. 1715614 PCL. 27
V. 2428 P. 702 DOC. 1492463 PCL. 27
V. 2251 P. 323 DOC. 1417354 PCL. 20

(108) V. 2474 P. 431 DOC. 1512697 PCL. 19, 20
V. 2051 P. 183 DOC. 1329937 PCL. 20
V. 2474 P. 428 DOC. 1512696 PCL. 22, 23
V. 3033 P. 412 DOC. 1728759 PCL. 24
V. 2474 P. 428 DOC. 1512698 PCL. 21, 24, 25, 36
DOC. 2069463 PCL. 21
V. 3014 P. 681 DOC. 1721604 PCL. 36
V. 3018 P. 001 DOC. 1722912 PCL. 27
V. 3014 P. 681 DOC. 1721605 PCL. 26, 37

A Concrete Monument w/ A Brass Cap
Y 183658.74
X 591455.76

SHEET LOCATION — N

R-21-E T-3-N R-22-E
YORKVILLE MT. PLEASANT
R-21-E R-22-E
RACINE COUNTY

NE1/4-NE1/4

SEE TPP 1033-02-20-4.07

SEE TPP 1033-02-20-4.08

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

CURVE 1		CURVE 2	
L	396.97	L	358.21
R	1356.39	R	1472.39
LCH	395.55	LCH	357.32
LCB	N 13°32'19" E	LCB	N 14°57'05" E

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

SCALE, FEET
0 100 200

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 Robert J. Duffhues
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 Paul Krause
Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.06
AMENDMENT NO:

DOC # 2202209
Recorded
Mar. 27, 2009 AT 03:42PM
VOL. I P. 78
James A. Ladwig
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Am.
PRE_505

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	2341-01-21	VARIES	1966
STH 20	1032-06-29	VARIES	1989

1AP* EXISTING SHARED ACCESS DRIVEWAY TO REMAIN.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

I-94
PI STA 839+47.69
Y 183216.67
X 594019.87
PC STA 834+61.20
PT STA 844+34.17
DELTA 0°19'28"
D 0°02'00"
L 972.97
R 171881.34
LCH 972.97
LCB N 00°17'27" W

WEST FRONTAGE ROAD
PI STA 2840+78.93
Y 183978.02
X 593881.13
PC STA 2840+09.08
PT STA 2841+18.89
DELTA 89°52'47"
D 81°51'04"
L 109.81
R 70.00
LCH 98.89
LCB N 45°14'10" W

WEST FRONTAGE ROAD
PI STA 2859+97.38
Y 185264.44
X 593219.32
PC STA 2856+03.11
PT STA 2863+80.62
DELTA 23°26'47"
D 3°00'56"
L 777.51
R 1900.00
LCH 772.10
LCB N 11°38'17" E

A Concrete Monument w/ A Brass Cap
Y 186347.14
X 594090.84

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.06 AMENDMENT NO. 1

ADDS UTILITY AGREEMENT NUMBERS 206 & 208 AND PARCELS 106 & 111, AMENDS PARCELS 100, 101, 103, 107, & 108, AND PARCELS 22, 23, & 19 IN THE SCHEDULE OF TPP 1033-02-20-4.06 RECORDED AS DOCUMENT 2207209.

THAT PART OF PARCEL 4 OF CSM 2008, PARCELS 1 AND 2 OF CSM 1950, PARCELS 1 AND 2OF CSM 2154, PARCELS 1 AND 2 OF CSM 2604, PARCELS 1 AND 2 OF CSM2150, PARCELS 1 AND 2 OF CSM 2044, AND THAT PART OF THE NE1/4 OF THE NE1/4 AND THE SE1/4 OFTHE NE1/4 OF SECTION 13, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE,RACINE COUNTY, WISCONSIN

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

A Concrete Monument w/ A Brass Cap
Y 183658.74
X 591455.76

SCHEDULE OF LANDS & INTERESTS REQUIRED			OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.			
			R/W REQUIRED ACRES			T.L.E.
PARCEL NUMBER	OWNER	INTEREST REQUIRED	NEW	EXISTING	TOTAL	TEMP. ACRES
18	SIERRA PROPERTIES LLC	Fee AR	0.328	0.000	0.328	0.000
19	REICO INVESTMENTS INC.	Fee AR TLE	0.286	0.000	0.286	0.310
20	WILLKOMM DEVELOPMENT LLP	Fee AR TLE	0.252	0.000	0.252	0.768
21	SNIKNEJ CO.	Fee AR	0.564	0.000	0.564	0.000
22	MOSHI HOTELS	Fee AR TLE	0.026	0.000	0.026	0.005
23	MASKAL LLC	Fee AR TLE	0.023	0.000	0.023	0.008
24	XYLON OF WISCONSIN INC.	AR TLE	0.000	0.000	0.000	0.083
25	TRIPLE H	AR TLE	0.000	0.000	0.000	0.106
26	SPOKES LLC	TLE	0.000	0.000	0.000	0.015
27	RACINE COUNTY CONVENTION CENTER	TLE	0.000	0.000	0.000	0.036
36	SNIKNEJ CO.	Fee AR	0.522	0.000	0.522	0.000
37	SNIKNEJ CO.	TLE	0.000	0.000	0.000	0.060
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
106	TOWN OF YORKVILLE WATER	ROR	- -	- -	- -	- -
107	TIME WARNER CABLE	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE SEWER	ROR	- -	- -	- -	- -
111	TOWN OF YORKVILLE STORM	ROR	- -	- -	- -	- -
UA206	TOWN OF YORKVILLE WATER	- -	- -	- -	- -	- -
UA208	TOWN OF YORKVILLE SEWER	- -	- -	- -	- -	- -

(100) CSM 1686 V. 5 P. 162 DOC. 1458973 PCL. 18
V. 2683 P. 372 DOC. 1597577 PCL. 20
V. 2251 P. 323 DOC. 1417354 PCL. 20
V. 2670 P. 833 DOC. 1592809 PCL. 20
V. 2422 P. 248 DOC. 1489365 PCL. 21
V. 2435 P. 793 DOC. 1495719 PCL. 22, 23
V. 2674 P. 417 DOC. 1594130 PCL. 24, 36
DOC. 1923809 PCL. 24
NO RECORDED EASEMENT 19, 20, 25

(101) CSM 1686 V. 5 P. 162 DOC. 1458973 PCL. 18

(103) V. 3010 P. 829 DOC. 1720105 PCL. 20
V. 2251 P. 323 DOC. 1417354 PCL. 20
V. 2422 P. 248 DOC. 1489365 PCL. 21
V. 2435 P. 793 DOC. 1495719 PCL. 22, 23
V. 2674 P. 417 DOC. 1594130 PCL. 24, 36
V. 2362 P. 959 DOC. 1462193 PCL. 25
V. 2998 P. 592 DOC. 1715613 PCL. 25
V. 2312 P. 152 DOC. 1442099 PCL. 25, 26, 27, 37
V. 2998 P. 595 DOC. 1715614 PCL. 27
V. 2428 P. 702 DOC. 1492463 PCL. 27, 37

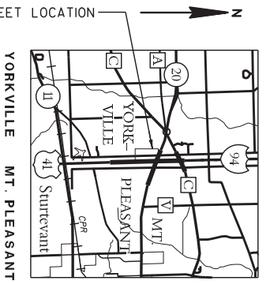
(106) V. 2474 P. 431 DOC. 1512697 PCL. 19, 20
DOC. 2069463 PCL. 21
V. 2474 P. 428 DOC. 1512698 PCL. 21, 24, 25, 36
V. 2474 P. 428 DOC. 1512696 PCL. 22, 23
V. 3014 P. 681 DOC. 1721605 PCL. 26, 37
V. 3018 P. 001 DOC. 1722912 PCL. 27

(107) NO RECORDED EASEMENT PCL. 19,20,22,23,36

(108) V. 1582 P. 31 DOC. 108311 PCL. 20

(111) V. 3033 P. 412 DOC. 1728759 PCL. 24
V. 3014 P. 681 DOC. 1721604 PCL. 36

SHEET LOCATION



HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	2341-01-21	VARIES	1966
STH 20	1032-06-29	VARIES	1989

1AP* EXISTING SHARED ACCESS DRIVEWAY TO REMAIN.

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

I-94
PI STA 839+47.69
Y 183216.67
X 594019.87
PC STA 834+61.20
PT STA 844+34.17
DELTA 0°19'28"
D 0°02'00"
L 972.97
R 171881.34
LCH 972.97
LCB N 00°17'27" W

WEST FRONTAGE ROAD
PI STA 2840+78.93
Y 183978.02
X 593881.13
PC STA 2840+09.08
PT STA 2841+18.89
DELTA 89°52'47"
D 81°51'04"
L 109.81
R 70.00
LCH 98.89
LCB N 45°14'10" W

WEST FRONTAGE ROAD
PI STA 2859+97.38
Y 185264.44
X 593219.32
PC STA 2856+03.11
PT STA 2863+80.62
DELTA 23°26'47"
D 3°00'56"
L 777.51
R 1900.00
LCH 772.10
LCB N 11°38'17" E

A Concrete Monument w/ A Brass Cap
Y 186347.14
X 594090.84

CURVE 1		CURVE 2	
L	396.97	L	358.21
R	1356.39	R	1472.39
LCH	395.55	LCH	357.32
LCB	N 13°32'19" E	LCB	N 14°57'05" E

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

SCALE, FEET
0 100 200

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.06
AMENDMENT NO: 1

DOCUMENT # 2269387
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:22 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages 1
PRE_506
Vol 1

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DATE: 11-18-2010 — Name: A E Andersen — Title:

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 11-18-2010 — Name: Paul Krause — PAUL KRAUSE

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

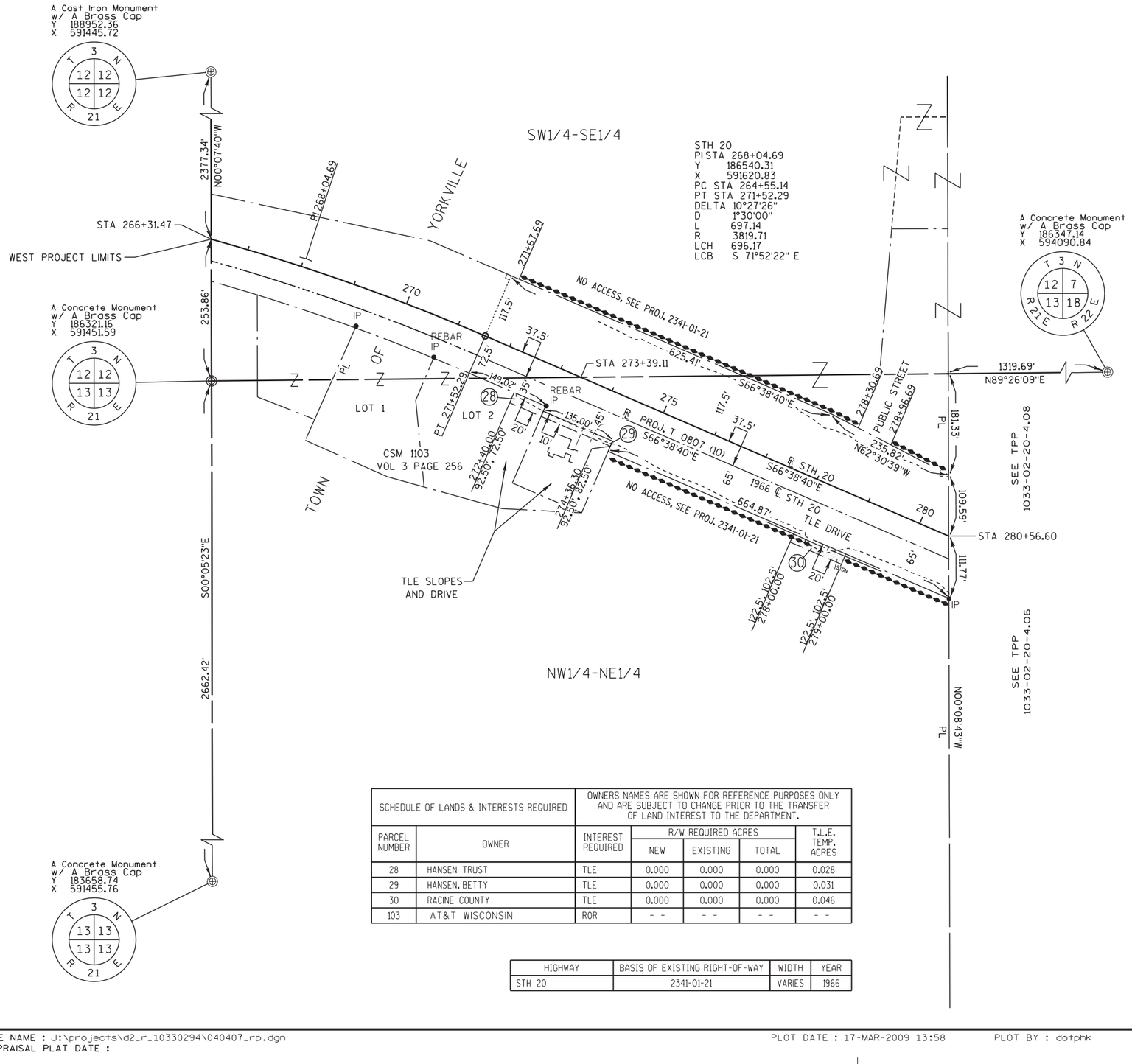
TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.07

THAT PART OF THE NW1/4 OF THE NE1/4 OF SECTION 13, AND THAT PART OF THE SW1/4 OF THE SE1/4 OF SECTION 12, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

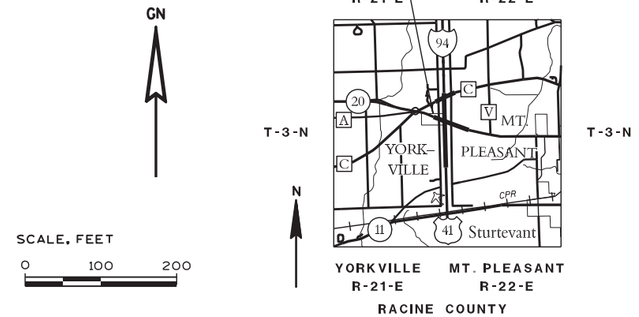
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
28	HANSEN TRUST	TLE	0.000	0.000	0.000	0.028
29	HANSEN, BETTY	TLE	0.000	0.000	0.000	0.031
30	RACINE COUNTY	TLE	0.000	0.000	0.000	0.046
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
STH 20	2341-01-21	VARIES	1966



NOTES:

COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 Robert J. Duffield
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 Paul Krause
Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.07
AMENDMENT NO:

DOC # 2207210
Recorded
Mar. 27, 2009 AT 03:43PM
VOL. 1 P. 79
JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Exempt: sec 66

PRE_507

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.07 AMENDMENT NO: 1

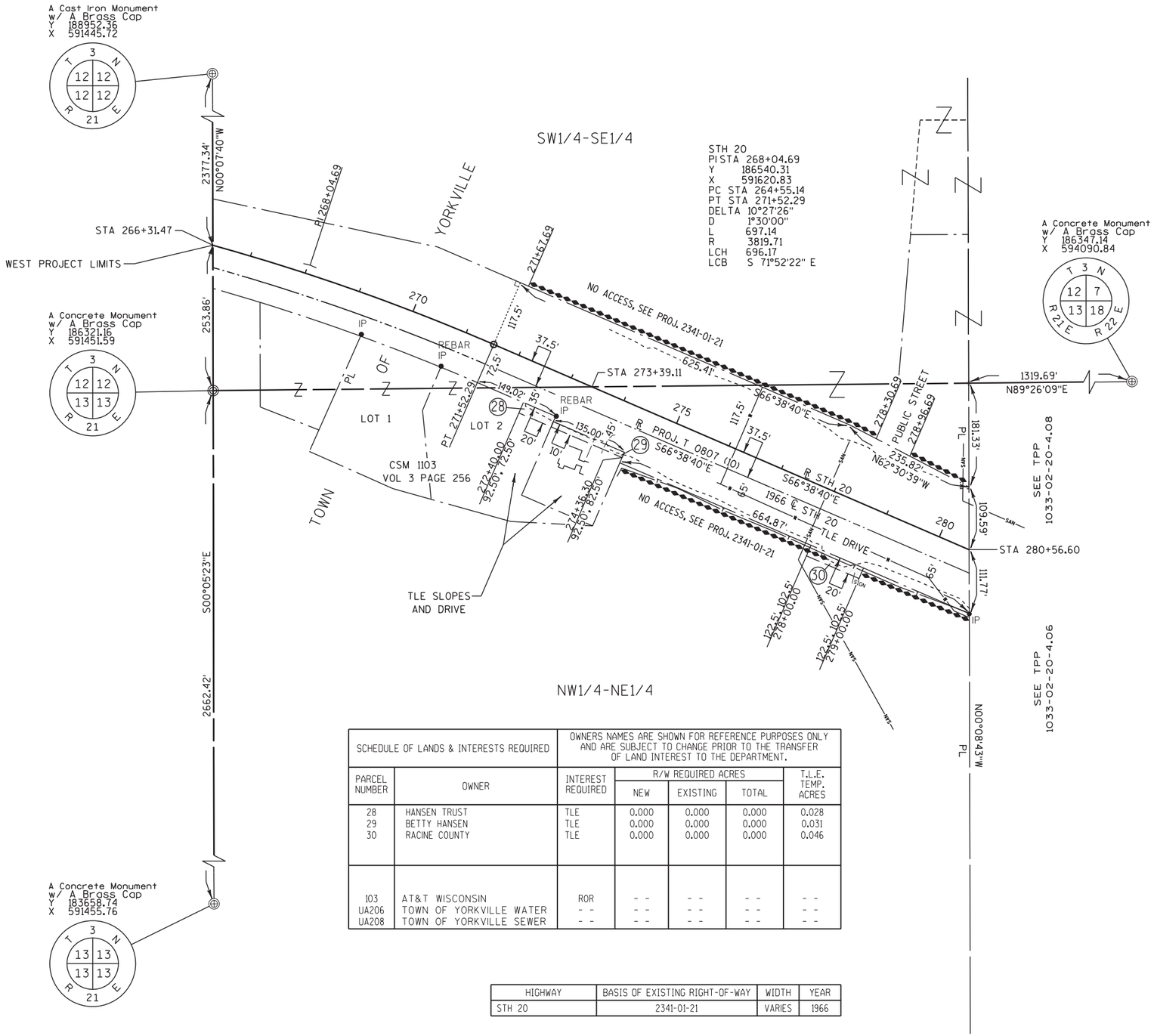
AMENDS TPP 1033-02-20-4.07, RECORDED AS DOCUMENT 2207210, BY ADDING UTILITY AGREEMENT NUMBERS 206 & 208.

THAT PART OF THE NW1/4 OF THE NE1/4 OF SECTION 13, AND THAT PART OF THE SW1/4 OF THE SE1/4 OF SECTION 12, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

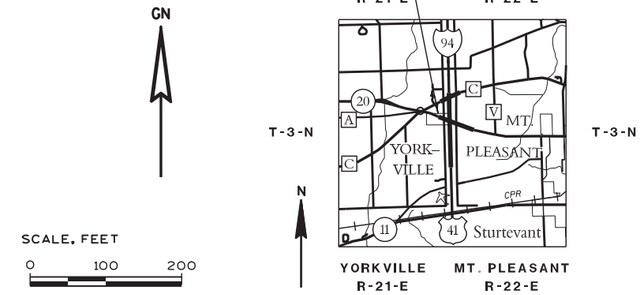
RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



(103) V. 2392 P. 056 DOC. 1475579
PCL. 30



SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
28	HANSEN TRUST	TLE	0.000	0.000	0.000	0.028
29	BETTY HANSEN	TLE	0.000	0.000	0.000	0.031
30	RACINE COUNTY	TLE	0.000	0.000	0.000	0.046
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
UA206	TOWN OF YORKVILLE WATER	- -	- -	- -	- -	- -
UA208	TOWN OF YORKVILLE SEWER	- -	- -	- -	- -	- -

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
STH 20	2341-01-21	VARIES	1966

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 11-18-2010 — Name: DE Anderson — Title:

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 11-17-2010 — Name PAUL KRAUSE — Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.07
AMENDMENT NO: 1

DOCUMENT # 2269388
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:22 PM

James A. Ladwig

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1

Vol 1 PRE_508

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

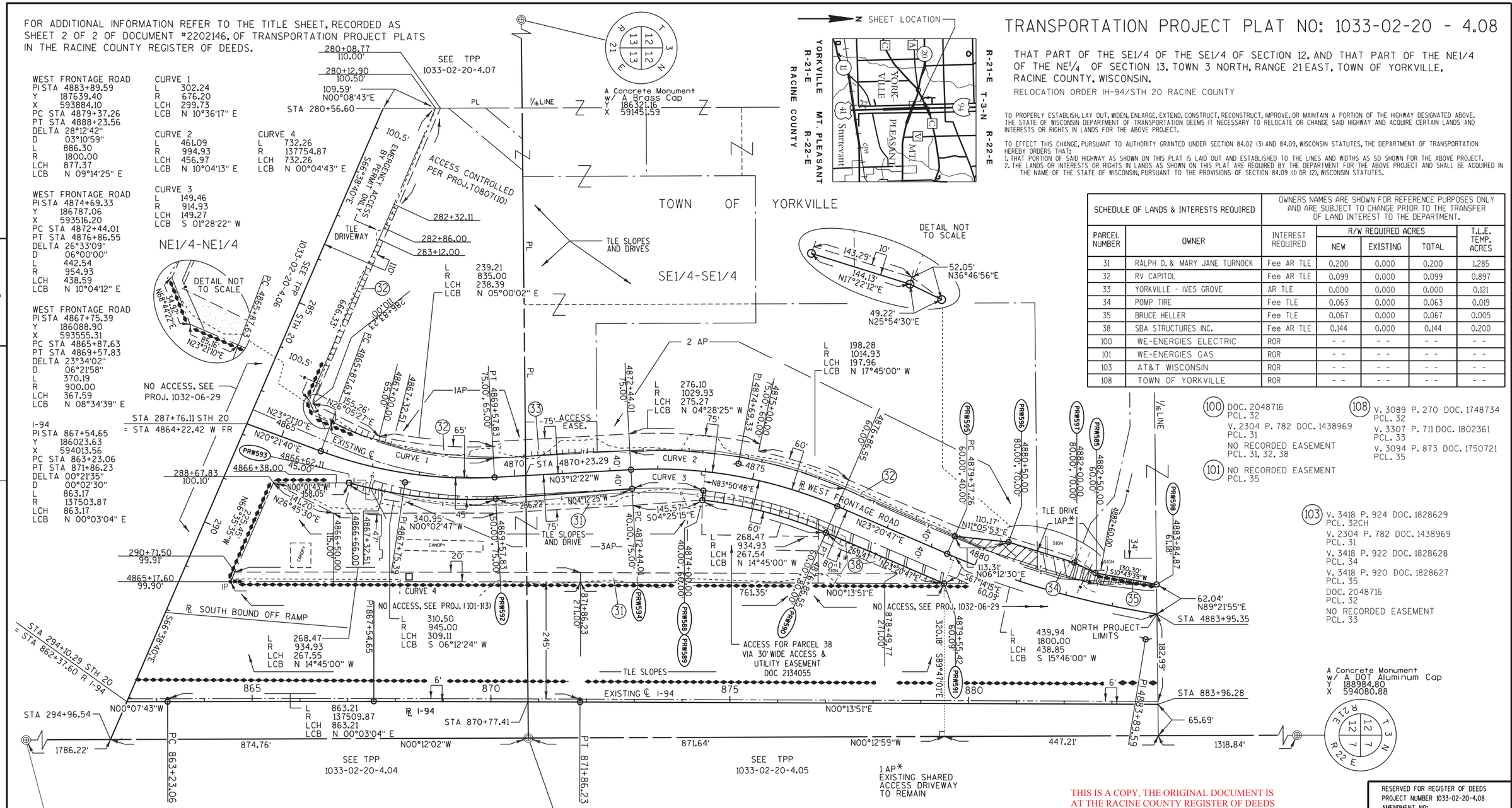
TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.08

THAT PART OF THE SE1/4 OF THE SE1/4 OF SECTION 12, AND THAT PART OF THE NE1/4 OF THE NE1/4 OF SECTION 13, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
31	RALPH O. & MARY JANE TURNOCK	Fee AR TLE	0.200	0.000	0.200	1.285
32	RV CAPITOL	Fee AR TLE	0.099	0.000	0.099	0.897
33	YORKVILLE - IVES GROVE	AR TLE	0.000	0.000	0.000	0.121
34	POMP TIRE	Fee TLE	0.063	0.000	0.063	0.019
35	BRUCE HELLER	Fee TLE	0.067	0.000	0.067	0.005
38	SBA STRUCTURES INC.	Fee AR TLE	0.144	0.000	0.144	0.200
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -

(100) DOC. 2048716 PCL. 32
V. 2304 P. 782 DOC. 1438969 PCL. 31
NO RECORDED EASEMENT PCL. 31, 32, 38

(101) NO RECORDED EASEMENT PCL. 35

(103) V. 3418 P. 924 DOC. 1828629 PCL. 32CH
V. 2304 P. 782 DOC. 1438969 PCL. 31
V. 3418 P. 922 DOC. 1828628 PCL. 34
V. 3418 P. 920 DOC. 1828627 PCL. 35
DOC. 2048716 PCL. 32
NO RECORDED EASEMENT PCL. 33

(108) V. 3089 P. 270 DOC. 1748734 PCL. 32
V. 3307 P. 711 DOC. 1802361 PCL. 33
V. 3094 P. 873 DOC. 1750721 PCL. 35

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	1101-1(3)	VARIES	1956
STH 20	2341-01-21	VARIES	1966
STH 20	1032-06-29	VARIES	1989

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

DATE: 3-18-09 Robert D. Duffek
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:

DATE: 3-18-09 Paul Krause
Name Paul Krause

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.08
AMENDMENT NO:

DOC # 2207211
Recorded
Mar. 27, 2009 AT 03:46PM
VOL. 1 P. 80
James A. Ladwig
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: 0.00

PRE_509

FILE NAME : J:\projects\d2_r_10330294\040408_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 17-MAR-2009 14:01
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-20-70 STH 20 R/W 1033-02-20 4.08

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.08 AMENDMENT NO: 1

AMENDS PARCELS 31, 100, & 103 OF TPP 1033-02-20-4.08, RECORDED AS DOCUMENT 2207211.

THAT PART OF THE SE1/4 OF THE SE1/4 OF SECTION 12, AND THAT PART OF THE NE1/4 OF THE NE1/4 OF SECTION 13, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	EXISTING	TOTAL	T.L.E. TEMP. ACRES
31	RALPH O. & MARY JANE TURNOCK	Fee AR TLE	0.200	0.000	0.200	1.213
32	RV CAPITOL	Fee AR TLE	0.099	0.000	0.099	0.897
33	YORKVILLE - IVES GROVE	AR TLE	0.000	0.000	0.000	0.121
34	POMP TIRE	Fee TLE	0.063	0.000	0.063	0.019
35	BRUCE HELLER	Fee TLE	0.067	0.000	0.067	0.005
38	SBA STRUCTURES INC.	Fee AR TLE	0.144	0.000	0.144	0.200
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE	ROR	- -	- -	- -	- -

(100) DOC. 2048716 PCL. 32
V. 2304 P. 782 DOC. 1438969 PCL. 31
NO RECORDED EASEMENT PCL. 32

(101) NO RECORDED EASEMENT PCL. 35

(103) V. 3418 P. 924 DOC. 1828629 PCL. 32CH
V. 2304 P. 782 DOC. 1438969 PCL. 31
V. 3418 P. 922 DOC. 1828628 PCL. 34
V. 3418 P. 920 DOC. 1828627 PCL. 35
DOC. 2048716 PCL. 32

(108) V. 3089 P. 270 DOC. 1748734 PCL. 32
V. 3307 P. 711 DOC. 1802361 PCL. 33
V. 3094 P. 873 DOC. 1750721 PCL. 35

1AP* EXISTING SHARED ACCESS DRIVEWAY TO REMAIN

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	2341-01-21	VARIES	1966
STH 20	1032-06-29	VARIES	1989

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

LOT#	PARCEL#
31	018-03-21-12-025-010
32	018-03-21-12-025-000
32	018-03-21-13-001-000
33	018-03-21-12-025-006
34	018-03-21-12-024-010
35	018-03-21-12-024-000
38	018-03-21-12-025-001

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT IS APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DATE: 6-28-2010 — Name Craig Andersen, Title RE Supervisor
THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 6-28-2010 — Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.08
AMENDMENT NO: 1
Vol 1 Pg 110
DOCUMENT # 2255368
RACINE COUNTY REGISTER OF DEEDS
July 13, 2010 4:20 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee PRE_510

FILE NAME : J:\projects\d2_r_10330294\20\040408A1_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 28-JUN-2010 15:43 PLOT BY : dotphk PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-20-70 STH 20 R/W 1033-02-20 4.08

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.08 AMENDMENT NO: 2

ADDS PARCEL 106 AND UTILITY AGREEMENT NUMBERS 206 & 208, AND AMENDS PARCEL 108 OF TPP 1033-02-20-4.08 AMENDMENT NO. 1, RECORDED AS DOCUMENT 2255368.

THAT PART OF THE SE1/4 OF THE SE1/4 OF SECTION 12, AND THAT PART OF THE NE1/4 OF THE NE1/4 OF SECTION 13, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES			T.L.E. TEMP. ACRES
			NEW	EXISTING	TOTAL	
31	RALPH O. & MARY JANE TURNOCK	Fee AR TLE	0.200	0.000	0.200	1.213
32	RV CAPITOL	Fee AR TLE	0.099	0.000	0.099	0.897
33	YORKVILLE - IVES GROVE	AR TLE	0.000	0.000	0.000	0.121
34	POMP TIRE	Fee TLE	0.063	0.000	0.063	0.019
35	BRUCE HELLER	Fee TLE	0.067	0.000	0.067	0.005
38	SBA STRUCTURES INC.	Fee AR TLE	0.144	0.000	0.144	0.200
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
106	TOWN OF YORKVILLE WATER	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE SEWER	ROR	- -	- -	- -	- -
UA206	TOWN OF YORKVILLE WATER	- -	- -	- -	- -	- -
UA208	TOWN OF YORKVILLE SEWER	- -	- -	- -	- -	- -

WEST FRONTAGE ROAD
PI STA 4883+89.59
Y 187639.40
X 593884.10
PC STA 4879+37.26
PT STA 4888+23.56
DELTA 28°12'42"
D 03°10'59"
L 886.30
R 1800.00
LCH 877.37
LCB N 09°14'25" E

WEST FRONTAGE ROAD
PI STA 4874+69.33
Y 186787.06
X 593516.20
PC STA 4872+44.01
PT STA 4876+86.55
DELTA 26°33'09"
D 06°00'00"
L 442.54
R 954.93
LCH 438.59
LCB N 10°04'12" E

WEST FRONTAGE ROAD
PI STA 4867+75.39
Y 186088.90
X 593555.31
PC STA 4865+87.63
PT STA 4869+57.83
DELTA 23°34'02"
D 06°21'58"
L 370.19
R 900.00
LCH 367.59
LCB N 08°34'39" E

I-94
PI STA 867+54.65
Y 186023.63
X 594013.56
PC STA 863+23.06
PT STA 871+86.23
DELTA 00°21'35"
D 00°02'30"
L 863.17
R 137503.87
LCH 863.17
LCB N 00°03'04" E

CURVE 1
L 302.24
R 676.20
LCH 299.73
LCB N 10°36'17" E

CURVE 2
L 461.09
R 994.93
LCH 456.97
LCB N 10°04'13" E

CURVE 3
L 149.46
R 914.93
LCH 149.27
LCB S 01°28'22" W

CURVE 4
L 732.26
R 137754.87
LCH 732.26
LCB N 00°04'43" E

A Concrete Monument w/ A Brass Cap
Y 186321.16
X 591451.59

SEE TPP 1033-02-20-4.07

280+08.77
110.00'
280+12.90
100.50'
109.59'
N00°08'43"E
STA 280+56.60

PL
1/16 LINE
100.5'
EMERGENCY ACCESS BY PERMIT ONLY
S66°38'40"E
ACCESS CONTROLLED PER PROJ. T0807(10)
282+32.11
282+86.00
283+12.00
TLE DRIVEWAY
TLE SLOPES AND DRIVES
TOWN OF YORKVILLE
SE1/4-SE1/4
NE1/4-NE1/4
DETAIL NOT TO SCALE
N68°34'22"E
85.16'
N23°21'10"E
SEE TPP 1033-02-20-4.06
285 STH 20
666.13'
100.00'
284+33.24 PC 4865+87.63
L 239.21
R 835.00
LCH 238.39
LCB N 05°00'02" E
DETAIL NOT TO SCALE
143.29'
10'
144.13'
N17°22'12"E
52.05'
N36°46'56"E
49.22'
N25°54'30"E
L 198.28
R 1014.93
LCH 197.96
LCB N 17°45'00" W
2 AP
NO ACCESS, SEE PROJ. 1032-06-29
STA 287+76.11 STH 20
= STA 4864+22.42 W FR
N20°21'40"E
N23°21'10"E
155.26'
N26°05'27"E
1AP
PT 4869+57.83
75.00'
65.00'
4865+00.00
65.00'
4865+32.51
4872+44.01
75.00'
DOC. 2057222 75' ACCESS EASE.
L 276.10
R 1029.93
LCH 275.27
LCB N 04°28'25" W
PI 4874+69.33
75.00'
60.00'
4875+00.00
4876+86.55
PRW595
PC 4879+37.26
60.00', 40.00'
PRW596
4880+50.00
80.00', 70.00'
PRW597
4882+00.00
80.00', 70.00'
PRW585
4882+50.00
60.00'
PRW598
4883+84.87
61.18'
1/16 LINE
288+67.83
100.10'
4866+27.60
45.00'
4866+62.11
N00°01'43"W
168.05'
141.20'
N26°45'30"E
EXISTING ℄ CURVE 1
4870
STA 4870+23.29
40'
CURVE 2
4875
℄ WEST FRONTAGE ROAD
N23°20'47"E
60'
N03°12'22"W
CURVE 3
N83°50'48"E
N04°12'25"W
S05°49'57"E
98.68'
PC 4872+44.01
40.00', 75.00'
L 268.47
R 934.93
LCH 267.54
LCB N 14°45'00" W
PI 4873+60
90.00'
4874+60.00
60.00'
TLE DRIVE
1AP*
SIGN
110.17'
N11°05'53"E
113.31'
N06°12'30"E
S61°14'15"E
60.09'
1 AP* EXISTING SHARED ACCESS DRIVEWAY TO REMAIN
34'
130.30'
S10°43'39"W
290+71.50
99.91'
4865+17.60
99.90'
198.46'
N00°02'47"W
PI 4867+75.39
84.21'
47'
4868+57.83
65.00'
45'
TLE SLOPES AND DRIVE
3AP
CANOPY
20'
CURVE 4
IP
℄ SOUTH BOUND OFF RAMP
S66°38'40"E
L 268.47
R 934.93
LCH 267.55
LCB N 14°45'00" W
PI 867+54.65
NO ACCESS, SEE PROJ. I 101-1(3)
L 310.50
R 945.00
LCH 309.11
LCB S 06°12'24" W
PRW592
PRW594
PRW588
PRW589
PRW590
4874+65
60.00'
761.35'
N00°13'51"E
ACCESS FOR PARCEL 38 VIA 30' WIDE ACCESS & UTILITY EASEMENT DOC 2134055
NO ACCESS, SEE PROJ. 1032-06-29
4878+49.77
271.00'
320.18'
S89°47'01"E
PRW591
4879+55.42
60.09'
L 439.94
R 1800.00
LCH 438.85
LCB S 15°46'00" W
NORTH PROJECT LIMITS
62.04'
N89°21'55"E
STA 4883+95.35
182.99'
STA 294+10.29 STH 20
STA 862+37.60 R I-94
865
870
875
880
6'
TLE SLOPES
EXISTING ℄ I-94
℄ I-94
L 863.21
R 137509.87
LCH 863.21
LCB N 00°03'04" E
STA 870+77.41
STA 883+96.28
65.69'
STA 294+96.54
N00°07'43"W
1786.22'
PC 863+23.06
874.76'
N00°12'02"W
871.64'
N00°12'59"W
447.21'
PI 871+86.23
N00°13'51"E
PI 4883+89.59
1318.84'
SEE TPP 1033-02-20-4.04
SEE TPP 1033-02-20-4.05

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	2341-01-21	VARIES	1966
STH 20	1032-06-29	VARIES	1989

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

A Concrete Monument w/ A Brass Cap
Y 186347.14
X 594090.84

DETAIL NOT TO SCALE
26.63'
N73°16'23"E
101.24'
N10°18'26"W

A Concrete Monument w/ A DOT Aluminum Cap
Y 188984.80
X 594080.88

(100) V. 2304 P. 782 DOC. 1438969 PCL. 31
DOC. 2048716 PCL. 32
NO RECORDED EASEMENT PCL. 32

(101) NO RECORDED EASEMENT PCL. 35

(103) V. 2304 P. 782 DOC. 1438969 PCL. 31
DOC. 2048716 PCL. 32
V. 3418 P. 924 DOC. 1828629 PCL. 32CH
V. 3418 P. 922 DOC. 1828628 PCL. 34
V. 3418 P. 920 DOC. 1828627 PCL. 35

(106) V. 3089 P. 270 DOC. 1748734 PCL. 32
V. 3094 P. 873 DOC. 1750721 PCL. 35

(108) V. 3307 P. 711 DOC. 1802361 PCL. 33

SHEET LOCATION
YORKVILLE MT. PLEASANT RACINE COUNTY
R-21-E R-22-E T-3-N
YORK-VILLE
MT. PLEASANT
Sturtevant
CPR
N

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

SCALE, FEET
0 100 200

I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DATE: 11-18-2010 A E Andersen
Name
Title
THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 11-18-2010 Paul Krause
Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.08
AMENDMENT NO: 2

DOCUMENT # 2269389
RACINE COUNTY REGISTER OF DEEDS
November 24, 2010 4:22 PM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1
Vol PRE_511

FILE NAME : J:\projects\d2_r_10330294\20\040408A2_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 18-NOV-2010 14:26
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-20-70 STH 20 R/W 1033-02-20 4.08A2

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2 OF DOCUMENT #2202146, OF TRANSPORTATION PROJECT PLATS IN THE RACINE COUNTY REGISTER OF DEEDS.

TRANSPORTATION PROJECT PLAT NO: 1033-02-20 - 4.08 AMENDMENT NO: 3

ADDS PARCEL 107 AND AMENDS PARCELS 100 & 103 OF TPP 1033-02-20-4.08 AMENDMENT NO. 2, RECORDED AS DOCUMENT 2269389.

THAT PART OF THE SE1/4 OF THE SE1/4 OF SECTION 12, AND THAT PART OF THE NE1/4 OF THE NE1/4 OF SECTION 13, TOWN 3 NORTH, RANGE 21 EAST, TOWN OF YORKVILLE, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH-94/STH 20 RACINE COUNTY

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 INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED		OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED ACRES NEW	R/W REQUIRED ACRES EXISTING	R/W REQUIRED ACRES TOTAL	T.L.E. TEMP. ACRES
31	RALPH O. & MARY JANE TURNOCK	Fee AR TLE	0.200	0.000	0.200	1.213
32	RV CAPITOL	Fee AR TLE	0.099	0.000	0.099	0.897
33	YORKVILLE - IVES GROVE	AR TLE	0.000	0.000	0.000	0.121
34	POMP TIRE	Fee TLE	0.063	0.000	0.063	0.019
35	BRUCE HELLER	Fee TLE	0.067	0.000	0.067	0.005
38	SBA STRUCTURES INC.	Fee AR TLE	0.144	0.000	0.144	0.200
100	WE-ENERGIES ELECTRIC	ROR	- -	- -	- -	- -
101	WE-ENERGIES GAS	ROR	- -	- -	- -	- -
103	AT&T WISCONSIN	ROR	- -	- -	- -	- -
106	TOWN OF YORKVILLE WATER	ROR	- -	- -	- -	- -
107	TIME WARNER CABLE	ROR	- -	- -	- -	- -
108	TOWN OF YORKVILLE SEWER	ROR	- -	- -	- -	- -
UA206	TOWN OF YORKVILLE WATER	- -	- -	- -	- -	- -
UA208	TOWN OF YORKVILLE SEWER	- -	- -	- -	- -	- -

WEST FRONTAGE ROAD
PI STA 4883+89.59
Y 187639.40
X 593884.10
PC STA 4879+37.26
PT STA 4888+23.56
DELTA 28°12'42"
D 03°10'59"
L 886.30
R 1800.00
LCH 877.37
LCB N 09°14'25" E

WEST FRONTAGE ROAD
PI STA 4874+69.33
Y 186787.06
X 593516.20
PC STA 4872+44.01
PT STA 4876+86.55
DELTA 26°33'09"
D 06°00'00"
L 442.54
R 954.93
LCH 438.59
LCB N 10°04'12" E

WEST FRONTAGE ROAD
PI STA 4867+75.39
Y 186088.90
X 593555.31
PC STA 4865+87.63
PT STA 4869+57.83
DELTA 23°34'02"
D 06°21'58"
L 370.19
R 900.00
LCH 367.59
LCB N 08°34'39" E

I-94
PI STA 867+54.65
Y 186023.63
X 594013.56
PC STA 863+23.06
PT STA 871+86.23
DELTA 00°21'35"
D 00°02'30"
L 863.17
R 137503.87
LCH 863.17
LCB N 00°03'04" E

CURVE 1
L 302.24
R 676.20
LCH 299.73
LCB N 10°36'17" E

CURVE 2
L 461.09
R 994.93
LCH 456.97
LCB N 10°04'13" E

CURVE 3
L 149.46
R 914.93
LCH 149.27
LCB S 01°28'22" W

CURVE 4
L 732.26
R 137754.87
LCH 732.26
LCB N 00°04'43" E

A Concrete Monument w/ A Brass Cap
Y 186321.16
X 591451.59

SEE TPP 1033-02-20-4.07

280+08.77
110.00'
280+12.90
100.50'
109.59'
N00°08'43"E
STA 280+56.60

PL ℄ LINE

ACCESS CONTROLLED PER PROJ. 1080(10)

EMERGENCY ACCESS BY PERMIT ONLY
566°38'40"E

TLE DRIVEWAY

282+32.11
282+86.00
283+12.00

TLE SLOPES AND DRIVES

TOWN OF YORKVILLE

SE1/4-SE1/4

L 239.21
R 835.00
LCH 238.39
LCB N 05°00'02" E

NE1/4-NE1/4

DETAIL NOT TO SCALE
N68°44'22"E 34.92'
85.16'
N23°21'10"E

SEE TPP 1033-02-20-4.06

285 STH 20

PC 4865+81.63
666.37'
286+33.22 PC
100.00'
100.5'

NO ACCESS, SEE PROJ. 1032-06-29

STA 287+76.11 STH 20
= STA 4864+22.42 W FR

N20°21'40"E
4865
PRW593
4866+62.11
45.00'
4866+27.60
288+67.83
100.10'
N00°01'43"W
141.20'
N26°45'30"E
155.26'
N26°05'27"E
EXISTING ℄ CURVE 1
4870
N23°21'10"E
4865+00.00
65.00'
PT 4869+57.83
75.00'
65.00'
1AP
2 AP
32
65'
33
DOC. 2057222 75' ACCESS EASE.
L 276.10
R 1029.93
LCH 275.27
LCB N 04°28'25" W
4872+44.01
75.00'
PI 4874+69.33
75.00'
60.00'
4875+00.00
4876+86.55
60'
PRW595
PC 4879+37.26
60.00'
40.00'
PRW596
4880+50.00
80.00'
70.00'
PRW597
4882+00.00
80.00'
70.00'
PRW585
4882+50.00
60.00'
PRW598
4883+84.87
61.18'
1/16 LINE

STA 4870+23.29
CURVE 2
4875
N03°12'22"W
CURVE 3
N83°50'48"E
R WEST FRONTAGE ROAD
N23°20'47"E
60'
268.47
R 934.93
LCH 267.54
LCB N 14°45'00" W
269.41'
N23°20'47"E
110.17'
N11°05'53"E
TLE DRIVE 1AP*
SIGN
113.31'
N06°12'30"E
S61°14'15"E
60.09'
1AP* EXISTING SHARED ACCESS DRIVEWAY TO REMAIN
34'
130.30'
S10°49'39"W
62.04'
N89°21'55"E
STA 4883+95.35
NORTH PROJECT LIMITS
L 439.94
R 1800.00
LCH 438.85
LCB S 15°46'00" W
182.99'
STA 883+96.28
65.69'

N04°12'25"W
S05°49'57"E
98.68'
266.22'
198.46'
N00°02'47"W
45'
75'
31
TLE SLOPES AND DRIVE
3AP
PC 4872+44.01
40.00'
75.00'
PI 4873+50
65.00'
90.00'
4874+60.00
4874+65
60.00'
761.35'
N00°13'51"E
NO ACCESS, SEE PROJ. 1032-06-29
878+49.77
271.00'
320.18'
S89°47'01"E
4879+55.42
60.09'
PRW590
PRW588
PRW589
PRW592
PRW594
PRW593
CANOPY
GARAGE
20'
47'
84.27'
PI 4867+75.39
PT 4867+87.63
4868+57.83
75.00'
65.00'
4871+86.23
271.00'
245'
IP
℄ SOUTH BOUND OFF RAMP
NO ACCESS, SEE PROJ. 1101-1(3)
L 310.50
R 945.00
LCH 309.11
LCB S 06°12'24" W
L 268.47
R 934.93
LCH 267.55
LCB N 14°45'00" W
ACCESS FOR PARCEL 38 VIA 30' WIDE ACCESS & UTILITY EASEMENT DOC 2134055
TLE SLOPES
EXISTING ℄ I-94
℄ I-94
L 863.21
R 137509.87
LCH 863.21
LCB N 00°03'04" E
STA 870+77.41
865
870
875
880
6'
NO0°13'51"E
NO0°07'43"W
NO0°12'02"W
NO0°12'59"W
874.76'
871.64'
447.21'
1318.84'
1786.22'
PC 863+23.06
PT 871+86.23
STA 294+96.54
STA 294+10.29 STH 20
STA 862+37.60 R I-94
SEE TPP 1033-02-20-4.04
SEE TPP 1033-02-20-4.05

DETAIL NOT TO SCALE
143.29'
10'
144.13'
N17°22'12"E
52.05'
N36°46'56"E
49.22'
N25°54'30"E

DETAIL NOT TO SCALE
26.63'
N73°16'23"E
101.24'
N10°18'26"W

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94	I 101-1(3)	VARIES	1956
STH 20	2341-01-21	VARIES	1966
STH 20	1032-06-29	VARIES	1989

NOTES:
COORDINATES AND BEARINGS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY ZONE, NAD83 (97) ADJUSTMENT AND ARE REFERENCED TO GPS HARN POINTS YORKVILLE EAST, RAYMOND SOUTH, AND PARIS EAST. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL ¾" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT, BY SE REGION DOT SURVEY.

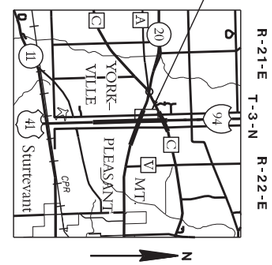
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

A Concrete Monument w/ A Brass Cap
Y 183686.18
X 594100.16

A Concrete Monument w/ A Brass Cap
Y 186347.14
X 594090.84

A Concrete Monument w/ A DOT Aluminum Cap
Y 188984.80
X 594080.88

SHEET LOCATION



(100) V. 2304 P. 782 DOC. 1438969 PCL. 31
DOC. 2048716 PCL. 32

(101) NO RECORDED EASEMENT PCL. 35

(103) V. 2304 P. 782 DOC. 1438969 PCL. 31
DOC. 2048716 PCL. 32
V. 3418 P. 924 DOC. 1828629 PCL. 32CH
V. 3418 P. 922 DOC. 1828628 PCL. 34
V. 3418 P. 920 DOC. 1828627 PCL. 35
NO RECORDED EASEMENT PCL. 33

(106) V. 3089 P. 270 DOC. 1748734 PCL. 32
V. 3094 P. 873 DOC. 1750721 PCL. 35

(107) NO RECORDED EASEMENT PCL. 34, 35

(108) V. 3307 P. 711 DOC. 1802361 PCL. 33

THIS IS A COPY, THE ORIGINAL DOCUMENT IS AT THE RACINE COUNTY REGISTER OF DEEDS

SCALE, FEET
0 100 200

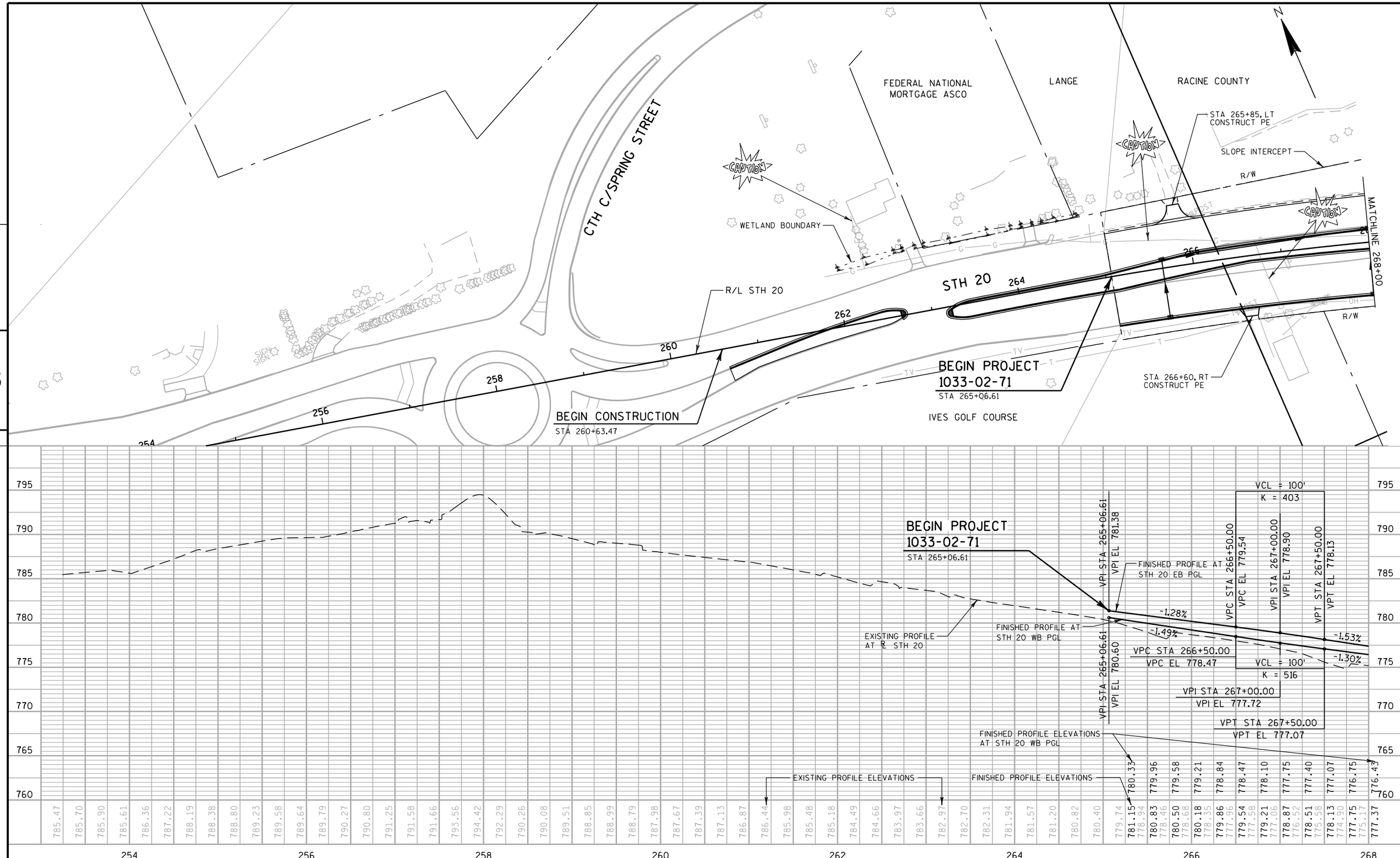
I HEREBY CERTIFY THAT THIS PLAT MEETS ALL REQUIREMENTS OF SECTION 84.095, WISCONSIN STATUTES. THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
DATE: 1-14-2011
Name
Title

THIS PLAT WAS PREPARED BY OR UNDER THE DIRECTION OF:
DATE: 1-14-2011
Name PAUL KRAUSE

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1033-02-20-4.08
AMENDMENT NO: 3

DOCUMENT # 2276087
RACINE COUNTY REGISTER OF DEEDS
February 03, 2011 9:13 AM
JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: $25.00
Pages: 1
Vol 1 Pg 159
PRE_512

FILE NAME : J:\projects\d2_r_10330294\20\040808A3_rp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 14-JAN-2011 14:25
PLOT BY : dotphk
PLOT NAME :
PLOT SCALE : 100.000000:1.000000
CONST. 1033-20-70 STH 20 R/W 1033-02-20 4.08A3



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: STH 20	SHEET PRE_513	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050101_pp.dgn PLOT DATE : 18-AUG-2019 21:50 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

RACINE COUNTY

GREENMONTE DRIVE

RACINE COUNTY

WETLAND BOUNDARY

SLOPE INTERCEPT

R/W

STH 20

MATCHLINE 268+00

270

272

274

276

278

R/L STH 20

STA 278+60, LT
CONSTRUCT CE
REMOVE 48" CPCM

RACINE COUNTY

SEWAGE TREATMENT PLANT

SNIKNEJ CO INC

WETLAND BOUNDARY

STA 282+98, LT
CONSTRUCT CE
REMOVE 18" CPCM
1-18" CPCS REQ'D

TLE

280

282

MATCHLINE 283+00

STA 269+10, RT
CONSTRUCT PE

STA 270+70, RT
CONSTRUCT PE

STA 271+25, RT
CONSTRUCT PE

HANSEN REVOCABLE TRUST

HANSEN

STA 273+90, RT
CONSTRUCT PE
REMOVE 18" CPCM
1-18" CPCS REQ'D

WETLAND BOUNDARY

GOLF COURSE

WETLAND BOUNDARY

SPOKES CIRCLE

SNIKNEJ CO INC

RACINE COUNTY CONVENTION

ADAMS

LAPOINTE

5

5

780
775
770
765
760
755
750
745

FINISHED PROFILE AT STH 20 EB PGL

-1.53%

-1.30%

FINISHED PROFILE AT STH 20 WB PGL

VPI STA 272+00.00
VPI EL 771.24

VPI STA 273+00.00
VPI EL 769.71

-1.53%

EXISTING PROFILE AT ℄ STH 20

VPC STA 276+02.00
VPC EL 765.09

FINISHED PROFILE AT STH 20 EB & WB PGL

VCL = 500'
K = 211

LP STA 279+24.57
LP EL 762.62

VPT STA 281+02.00
VPT EL 763.37

0.84%

1-29"X45" SSPRCHE

VPI STA 278+52.00
VPI EL 761.27

FINISHED PROFILE ELEVATIONS AT STH 20 WB PGL

EXISTING PROFILE ELEVATIONS

FINISHED PROFILE ELEVATIONS

| | | |

SNIKNEJ CO INC
WETLAND BOUNDARY
SLOPE INTERCEPT
TLE
R/W
WEST FRONTAGE ROAD
A982
CAUTION
GROUNDWATER CONTAMINATION
SEE SPECIAL PROVISION 205.0501.S
TURNOCK
S-51-229
R/L STH 20
STH 20
MATCHLINE 283+00
284
286
288
290
R/L WEST FRONTAGE ROAD
S-51-228
S-51-227
EXCAVATION, HAULING, AND DISPOSAL
OF PETROLEUM CONTAMINATED SOIL.
SNIKNEJ
CO INC
SPOKES CIRCLE
SPOKES LLC
TRIPLE H
WILLKOMM
DEVELOPMENT
EXCAVATION, HAULING, AND DISPOSAL
OF PETROLEUM CONTAMINATED SOIL.
RAMP NW
M998
R/L IH 94
864
R/L NW
R/L NE
R/L SW
R/L SE
292
294
296
298
WISCONSIN
RAMP NE
S-51-230
MEURER
TRUST
MATCHLINE 298+00
RAMP SW
IH 94 SB
IH 94 NB
3S098 RAMP SE
KARYUS-
XIOS
N

780
775
770
765
760
755
750
745

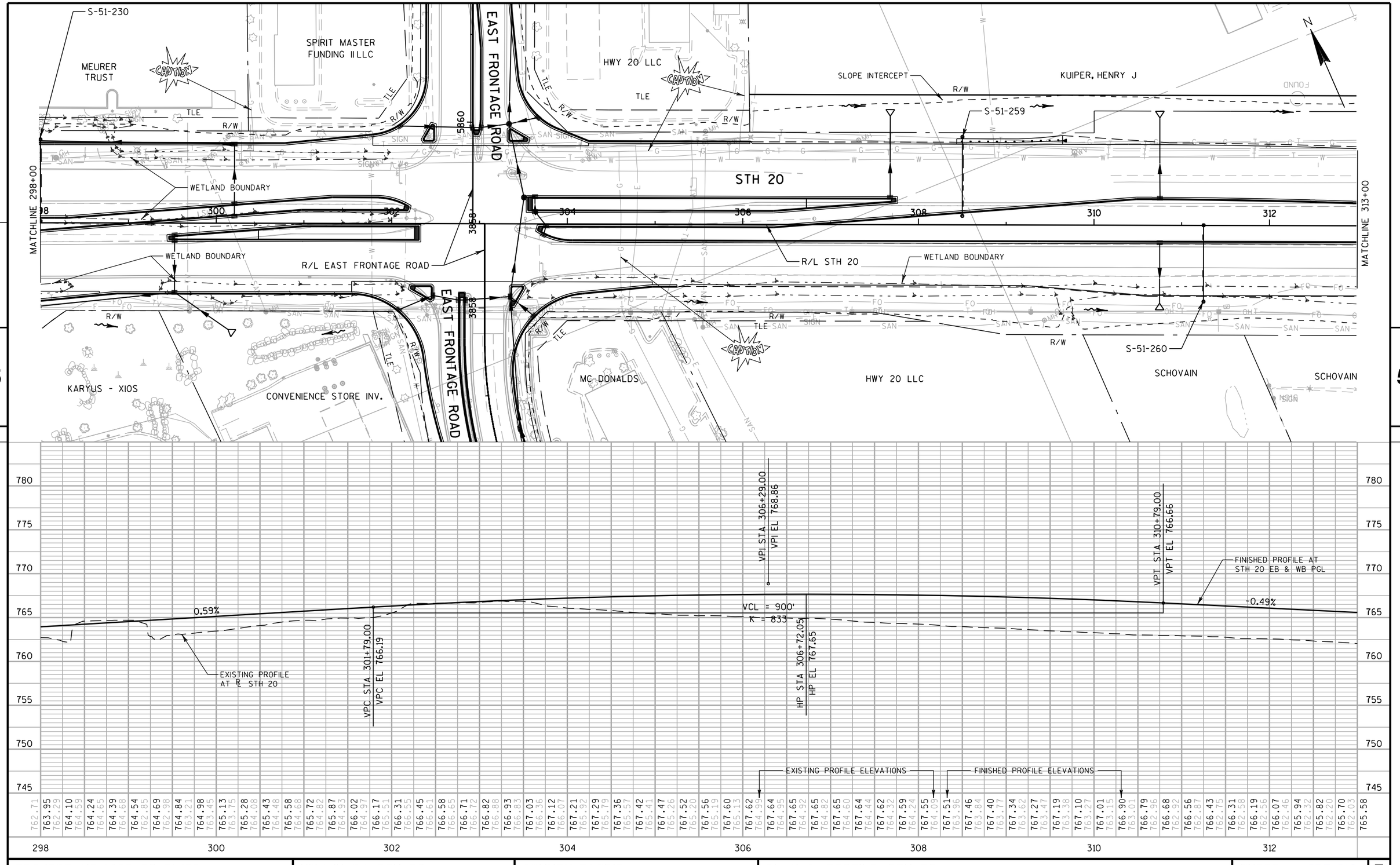
VPI STA 287+95.00
VPI EL 769.20
VPT STA 289+45.00
VPT EL 767.92
VPC STA 286+45.00
VPC EL 767.94
HP STA 287+93.76
HP EL 768.56
VCL = 300'
K = 177
0.84%
EXISTING PROFILE
AT R STH 20
FINISHED PROFILE AT
STH 20 EB & WB PGL
-0.86%
VPC STA 294+94.00
VPC EL 763.22
VCL = 150'
K = 104
LP STA 295+82.64
LP EL 762.84
VPT STA 296+44.00
VPT EL 763.02
0.59%
VPI STA 295+69.00
VPI EL 762.58

EXISTING PROFILE ELEVATIONS
FINISHED PROFILE ELEVATIONS

284	286	288	290	292	294	296	298
765.38	765.04	765.25	765.46	765.67	765.88	766.09	766.30
764.56	763.08	763.79	764.87	764.37	765.40	765.85	766.25
766.51	766.72	766.93	767.14	767.35	767.56	767.77	767.98
766.42	766.37	766.41	766.57	766.78	767.04	767.19	767.50
768.17	768.32	768.43	768.51	768.55	768.56	768.54	768.48
767.65	767.76	767.85	767.90	767.87	767.68	767.52	767.82
768.38	768.25	768.08	767.87	767.66	767.45	767.23	767.02
767.72	767.86	767.42	767.86	767.64	767.83	767.91	767.62
766.81	766.59	766.38	766.16	765.95	765.74	765.52	765.31
766.89	765.59	766.64	767.00	767.18	767.13	766.72	766.51
765.09	764.88	764.67	764.45	764.24	764.03	763.81	763.60
766.29	766.67	767.11	766.86	766.65	766.47	766.28	766.10
763.38	763.17	763.00	762.89	762.85	762.86	763.06	763.21
765.63	765.48	765.14	764.67	764.29	764.27	764.05	763.96
763.36	763.50	763.65	763.80	763.95			
763.52	763.28	763.13	762.71				

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: STH 20	SHEET PRE_515	E

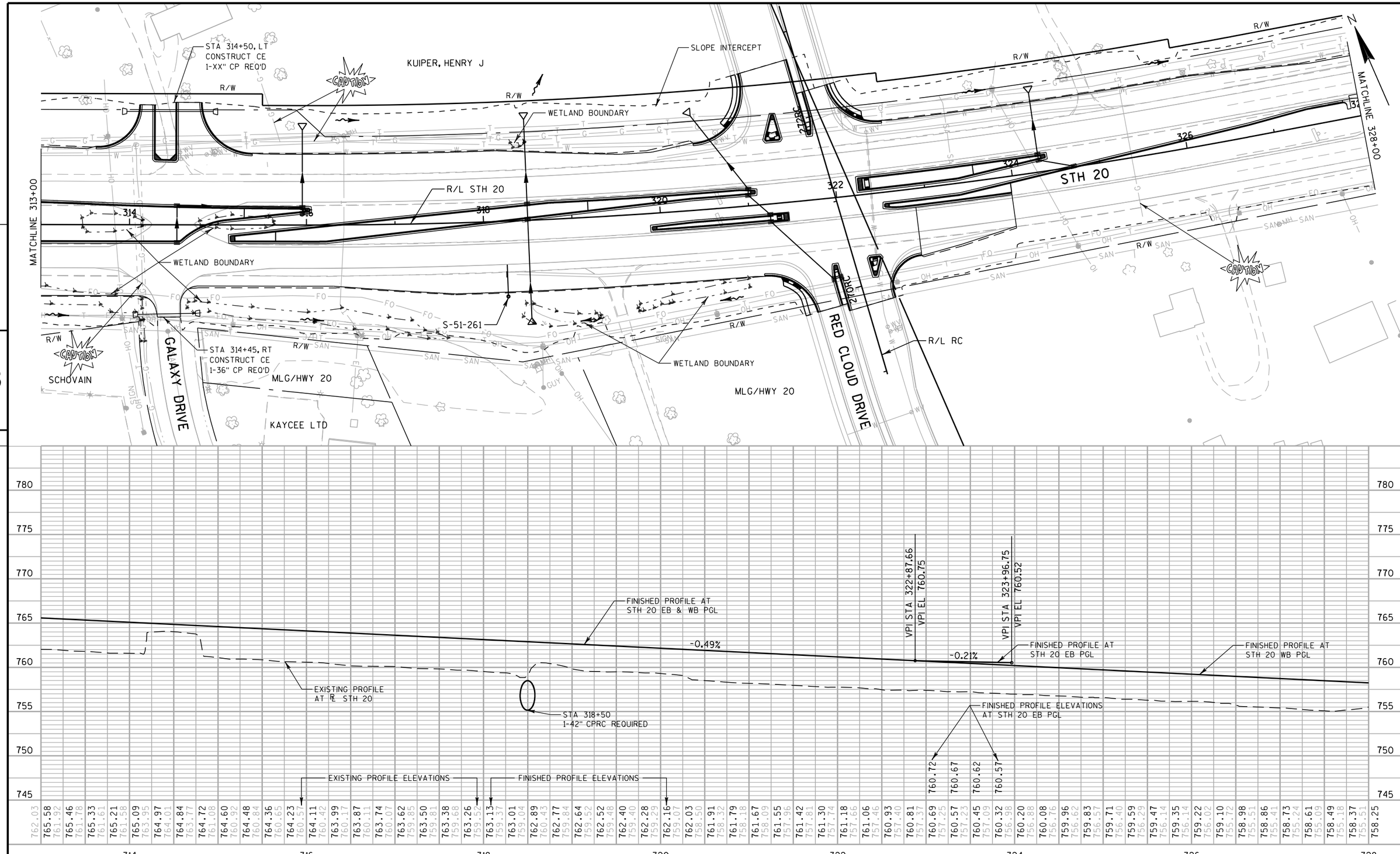
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050103_pp.dgn
PLOT DATE : 18-AUG-2019 21:50
PLOT BY : MSCD1S
PLOT NAME :
PLOT SCALE : 100:1



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: STH 20	SHEET PRE_516	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050104_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

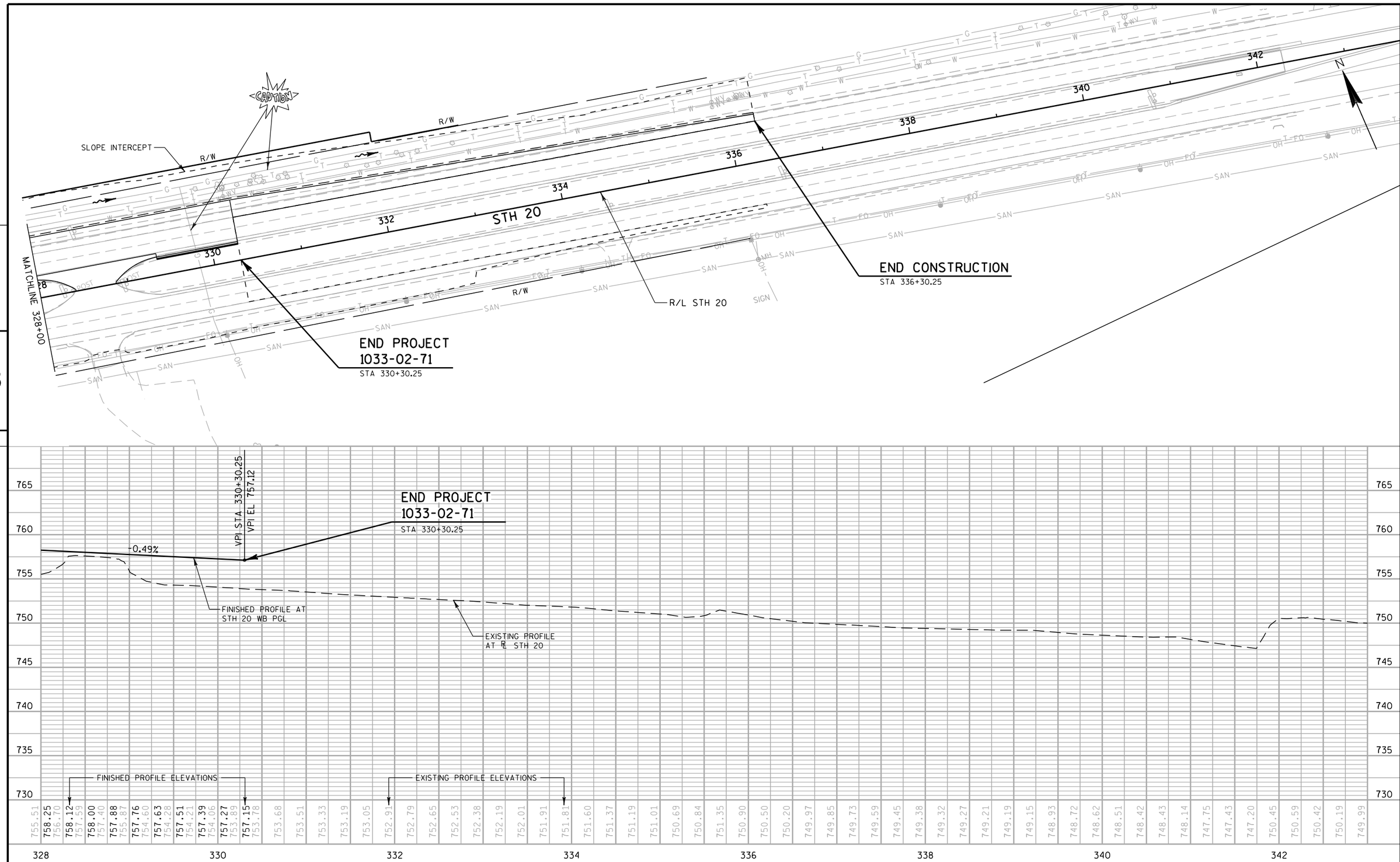
WISDOT/CADDS SHEET 40



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: STH 20	SHEET PRE_517	E

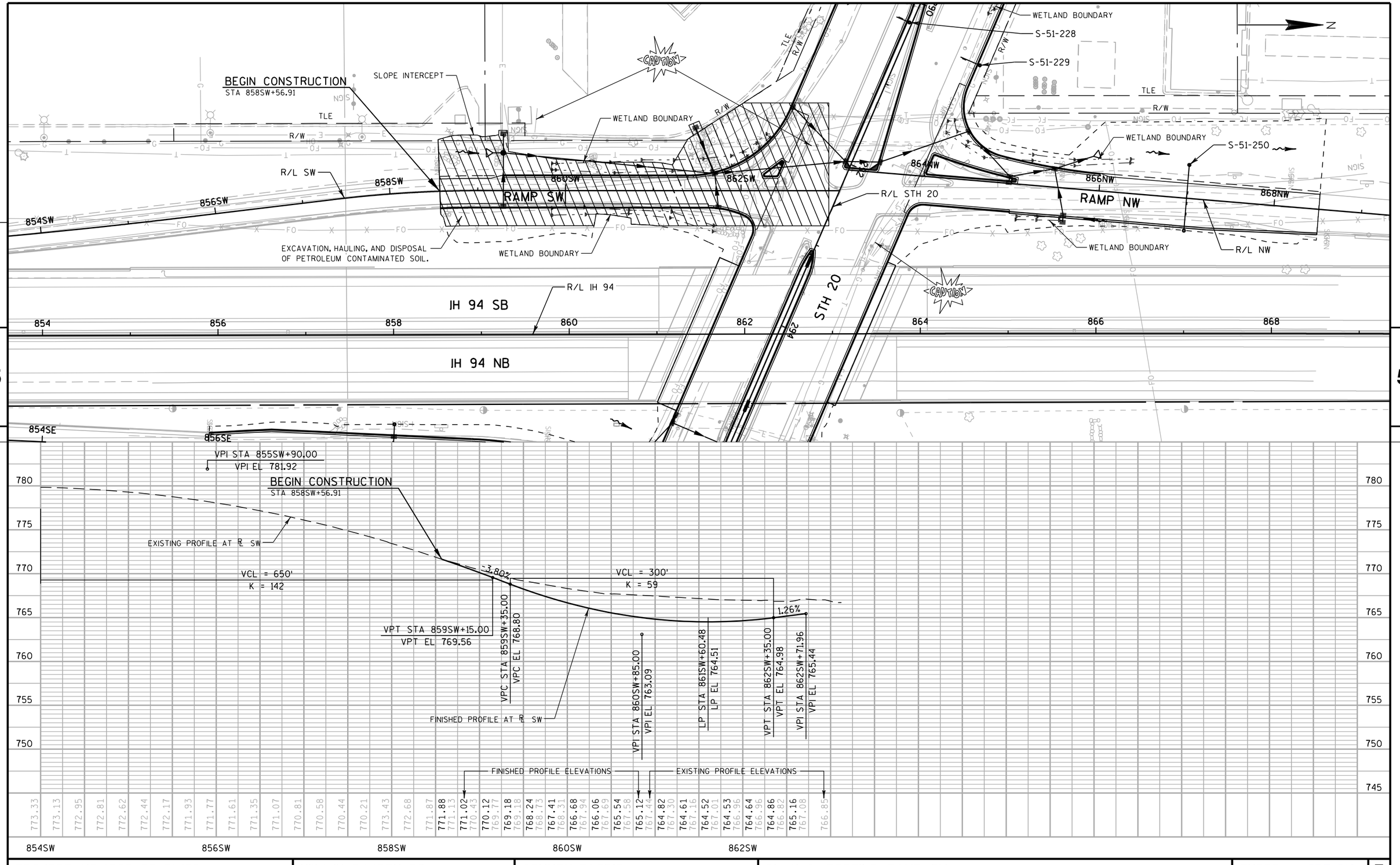
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050105_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: STH 20	SHEET PRE_518	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050106_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: RAMP SW	SHEET PRE_519	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050301_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

WETLAND BOUNDARY
S-51-228
S-51-229
WETLAND BOUNDARY
TLE
R/W
CAUTION
TLE
R/W
WETLAND BOUNDARY
R/W
WETLAND BOUNDARY
S-51-250
END CONSTRUCTION
STA 868NW+51.27
860SW
862SW
RAMP SW
R/L STH 20
864NW
866NW
868NW
RAMP NW
870NW
R/L NW
872NW
874NW
R/L SW
WETLAND BOUNDARY
WETLAND BOUNDARY
SLOPE INTERCEPT
R/L IH 94
IH 94 SB
STH 20
CAUTION
860
862
864
866
868
870
872
874
IH 94 NB
5
5
N

END CONSTRUCTION
STA 868NW+51.27
VPI STA 863NW+64.27
VPI EL 765.94
VPI STA 863NW+94.87
VPI EL 765.73
VPC STA 864NW+57.00
VPC EL 764.68
VPI STA 866NW+85.00
VPT EL 764.91
HP STA 869NW+75.14
HP EL 767.66
VPI STA 870NW+20.30
VPI EL 771.21
EXISTING PROFILE AT R NW
VPT STA 873NW+52.80
VPT EL 763.00
0.68%
1.68%
VCL = 228'
K = 64
1.88%
VCL = 665'
K = 153
LP STA 865NW+64.71
LP EL 763.78
FINISHED PROFILE AT R NW
VPI STA 865NW+71.00
VPI EL 762.76
VPC STA 866NW+87.80
VPC EL 764.96
780
775
770
765
760
755
750
745
FINISHED PROFILE ELEVATIONS
EXISTING PROFILE ELEVATIONS
767.36 767.05 766.83 765.86 765.64 765.22 764.80 764.41 764.10 763.90 763.79 763.79 763.87 764.35 764.73 765.19 765.61 766.00 766.35 766.66 766.92 767.31 767.45 767.57 767.63
763.83 763.92 764.09 764.39 764.74 765.19 765.61 765.99 766.34 766.67 766.94 767.16
764.27 765.94 765.73 764.68 764.91 767.66 771.21 763.00
764.87 765.27 764.94 764.67 764.37 764.11 763.92 763.83 764.09 764.39 764.74 765.19 765.61 765.99 766.34 766.67 766.94 767.16
764.71 763.78 762.76 764.96
764.00 764.06 764.35 764.73 765.19 765.61 766.00 766.35 766.66 766.92 767.31 767.45 767.57 767.63
764.80 764.41 764.10 763.90 763.79 763.87 764.06 764.35 764.73 765.19 765.61 766.00 766.35 766.66 766.92 767.31 767.45 767.57 767.63
764NW
866NW
868NW

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: RAMP NW	SHEET PRE_520	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050302_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

IH 94 SB

IH 94 NB

R/L IH 94

STH 20

R/L STH 20

BEGIN CONSTRUCTION
STA 855SE+90.00

R/L SE

RAMP SE

WETLAND BOUNDARY

R/W

SLOPE INTERCEPT

S-51-249

KWIK TRIP INC

KARYUS - XIOS

CAUTION

WISCONSIN

RAMP NE

R/L NE

S-51-230

MEURER TRUST

WETLAND BOUNDARY

N

5

5

VPI STA 854SE+30.00
VPI EL 777.61

EXISTING PROFILE AT ℄ SE

VPC STA 850SE+50.00
VPC EL 776.47

HP STA 851SE+23.07
HP EL 776.58

BEGIN CONSTRUCTION
STA 855SE+90.00

VCL = 760'
K = 244

-2.82%

VCL = 230'
K = 70

0.97%

VPT STA 858SE+10.00
VPT EL 766.89

VPC STA 858SE+57.00
VPC EL 765.57

VPI STA 859SE+72.00
VPI EL 762.32

LP STA 860SE+54.50
LP EL 762.78

VPT STA 860SE+87.00
VPT EL 762.86

VPI STA 861SE+19.03
VPI EL 763.17

FINISHED PROFILE AT ℄ SE

	850SE	852SE	854SE	856SE	858SE	860SE
EXISTING PROFILE ELEVATIONS	776.36 776.41 776.47 776.53 776.57 776.58 776.56 776.52 775.90 775.84 775.81 775.75 775.70 775.56 775.41 775.24 775.04 774.81 774.59 774.27 773.62 773.22 772.81 772.36 771.92 771.91 771.52 771.41 771.16 770.88 770.90 770.32 770.63				769.75 770.35 769.14 770.08 768.51 769.78 767.85 769.47 767.17 769.19 766.47 768.74 765.76 768.25 765.08 767.78	
FINISHED PROFILE ELEVATIONS						764.48 767.22 763.98 766.62 763.56 765.86 763.23 765.29 762.99 764.64 762.84 764.18 762.78 764.12 762.81 764.39 762.98 764.59 764.16

780 775 770 765 760 755 750 745

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: RAMP SE	SHEET PRE_521	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050303_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

IH 94 SB

IH 94 NB

STH 20

294

296

298

R/L IH 94

R/L STH 20

S-51-249

R/L SE

858SE

RAMP SE

860SE

R/W

CAUTION

WETLAND BOUNDARY

KARYUS - XIOS

WETLAND BOUNDARY

SLOPE INTERCEPT

WISCONSIN

R/L NE

862NE

864NE

RAMP NE

866NE

868NE

870NE

872NE

END CONSTRUCTION

STA 866NE+94.77

WETLAND BOUNDARY

S-51-230

MEURER TRUST

LV 20 LLC

VPI STA 861NE+58.98

VPI EL 763.07

-1.00%

VPC STA 861NE+90.00

VPC EL 762.76

VPI STA 862NE+80.00

VPI EL 761.86

VPRC STA 863NE+70.00

VPRC EL 759.68

VCL = 180'

K = 126

VCL = 180'

K = 331

VPT STA 865NE+50.00

VPT EL 755.81

VPC STA 865NE+70.00

VPC EL 755.43

-1.88%

VPI STA 864NE+60.00

VPI EL 757.50

VCL = 420'

K = 121

VPRC STA 869NE+90.00

VPRC EL 754.84

VPI STA 867NE+80.00

VPI EL 751.48

LP STA 867NE+96.80

LP EL 753.30

FINISHED PROFILE AT ℄ RAMP NE

END CONSTRUCTION

STA 866NE+94.77

EXISTING PROFILE AT ℄ RAMP NE

770 765 760 755 750 745 740 735

EXISTING PROFILE ELEVATIONS

764.38 764.50 763.99 762.91 763.11 762.66 762.43 762.36 761.79 762.02 761.27 761.63 760.77 761.18 760.28 760.69 759.76 760.15 759.22 759.56 758.73 758.97 758.33 758.39 757.88 757.84 757.37 757.30 756.82 756.78 756.27 756.29 755.69 755.81 755.16 755.34 754.66 754.90 754.38 754.52 754.06 754.19 753.87 753.91 753.67 753.53 753.40 753.35 753.29 750.95 753.41 753.55 753.74 753.98 754.27 754.61

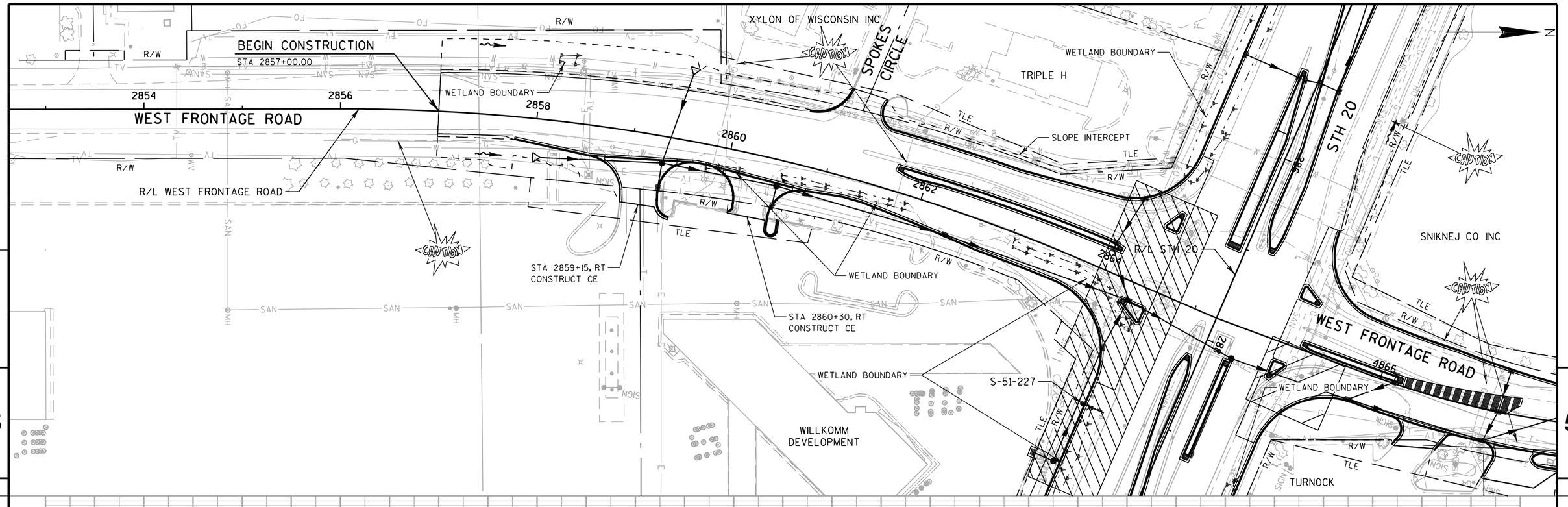
FINISHED PROFILE ELEVATIONS

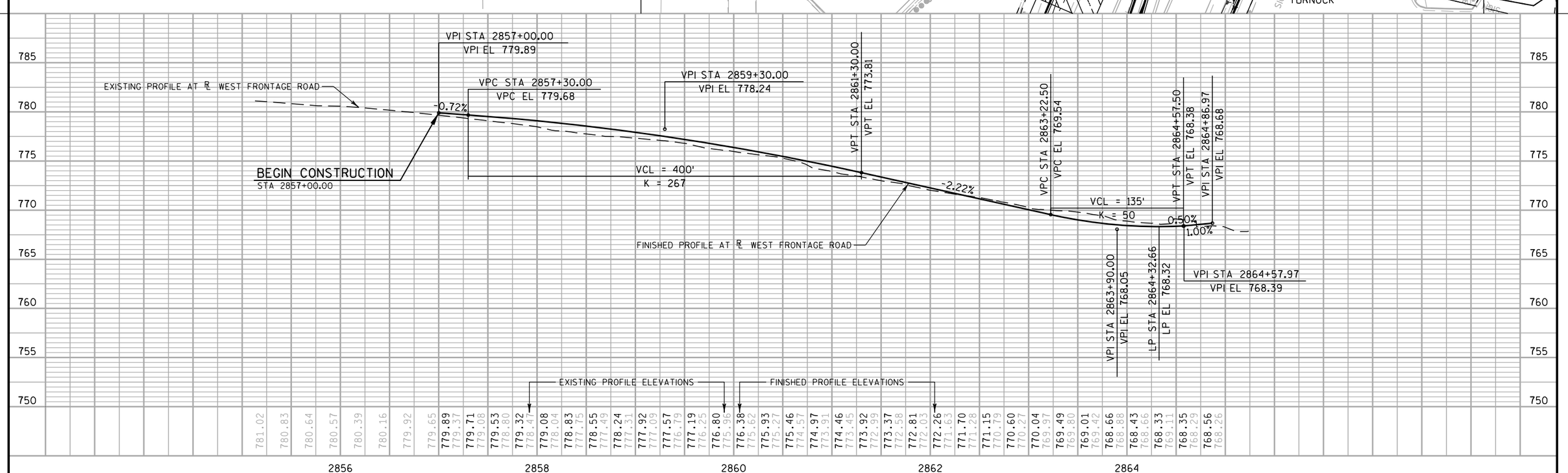
862NE 864NE 866NE 868NE 870NE 872NE

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: RAMP NE	SHEET PRE_522	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050304_pp.dgn PLOT DATE : 18-AUG-2019 21:51 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40





PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: WEST FRONTAGE ROAD	SHEET PRE_523	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050401_pp.dgn
PLOT DATE : 18-AUG-2019 21:52
PLOT BY : MSCD1S
PLOT NAME :
PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40

XYLON OF WISCONSIN INC

SPOKES CIRCLE

TRIPLE H

WETLAND BOUNDARY

CAUTION

TLE

R/W

2860

WEST FRONTAGE ROAD

2862

2864

STH 20

SNIKNEJ CO INC

R/L STH 20

R/L WEST FRONTAGE ROAD

SAN

SLOPE INTERCEPT

END CONSTRUCTION
STA 4868+00.00

4866

4868

4870

4872

4874

S-51-227

WILLKOMM
DEVELOPMENT

TURNOCK

STA 4866+55, RT
CONSTRUCT CE

STA 4867+45, RT
CONSTRUCT CE

N

5

5

780
775
770
765
760
755
750
745

VPI STA 4864+70.49
VPI EL 768.67

VPC STA 4864+90.52
VPC EL 768.47

VPI STA 4865+65.52
VPI EL 766.97

VPT STA 4868+00.00
VPT EL 760.92

-1.00%

-2.97%

-1.75%

VCL = 150'
K = 155

VCL = 150'
K = 123

FINISHED PROFILE AT ℄ WEST FRONTAGE ROAD

VPT STA 4866+40.52
VPT EL 764.75

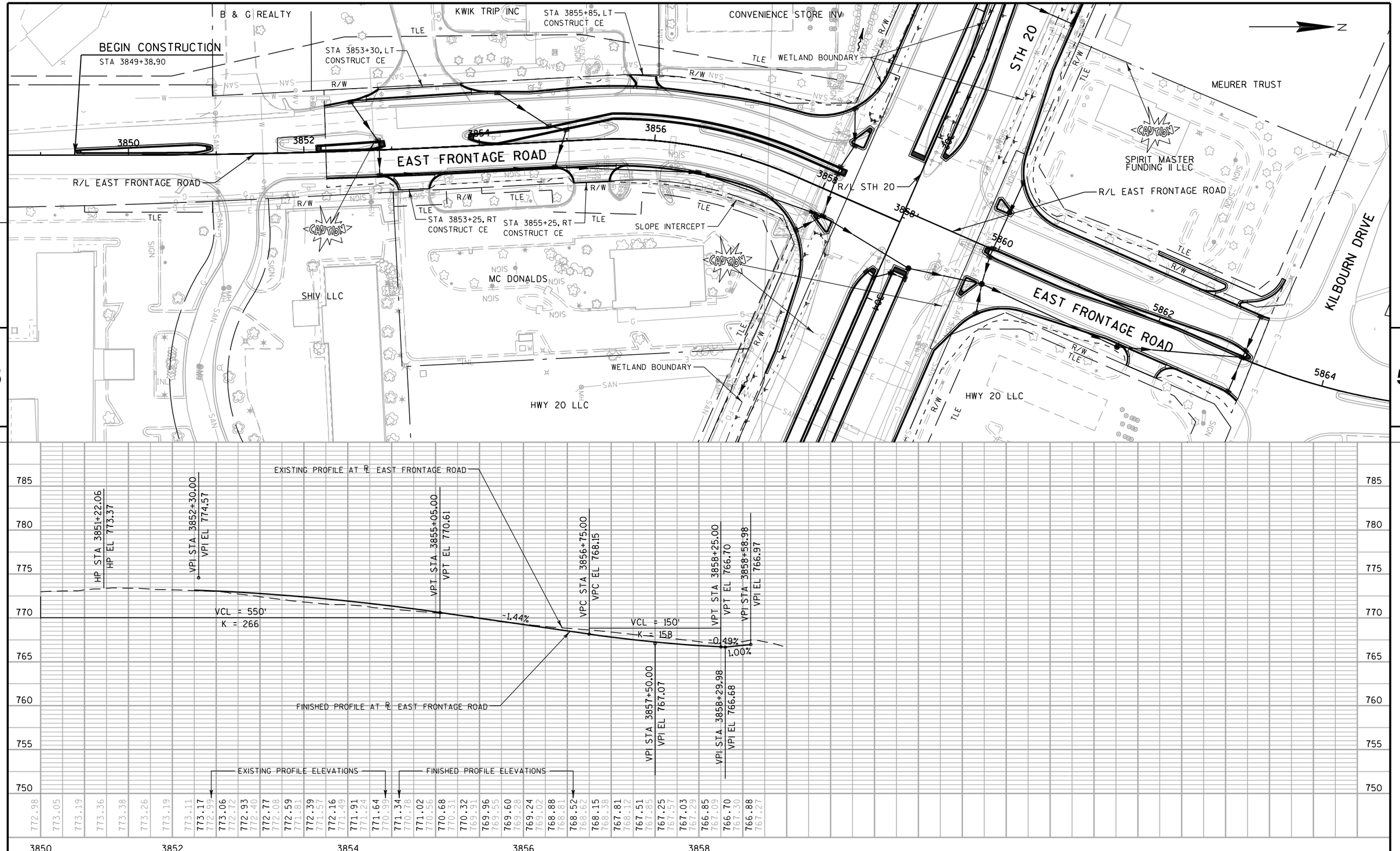
VPC STA 4866+50.00
VPC EL 764.46

VPI STA 4867+25.00
VPI EL 762.24

END CONSTRUCTION
STA 4868+00.00

EXISTING PROFILE AT ℄ WEST FRONTAGE ROAD

| | FINISHED PROFILE ELEVATIONS | | |



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: EAST FRONTAGE ROAD	SHEET PRE_525	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050403_pp.dgn PLOT DATE : 18-AUG-2019 21:52 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

B & G REALTY
KWIK TRIP INC
CONCENIENCE STORE INV
WETLAND BOUNDARY
TLE
R/W
R/L EAST FRONTAGE ROAD
3850
3852
3854
3856
EAST FRONTAGE ROAD
3858
R/L STH 20
STH 20
MEURER TRUST
SPIRIT MASTER FUNDING II LLC
SLOPE INTERCEPT
STA 5862+65, LT
CONSTRUCT CE
KILBOURN DRIVE
5860
5862
END CONSTRUCTION
STA 5863+16.29
R/L EAST FRONTAGE ROAD
5864
EAST FRONTAGE ROAD
CAUTION
SHIV LLC
MC DONALDS
HWY 20 LLC
STA 5862+05, RT
CONSTRUCT CE
SIGN
SAN
INL
G
E
W
N

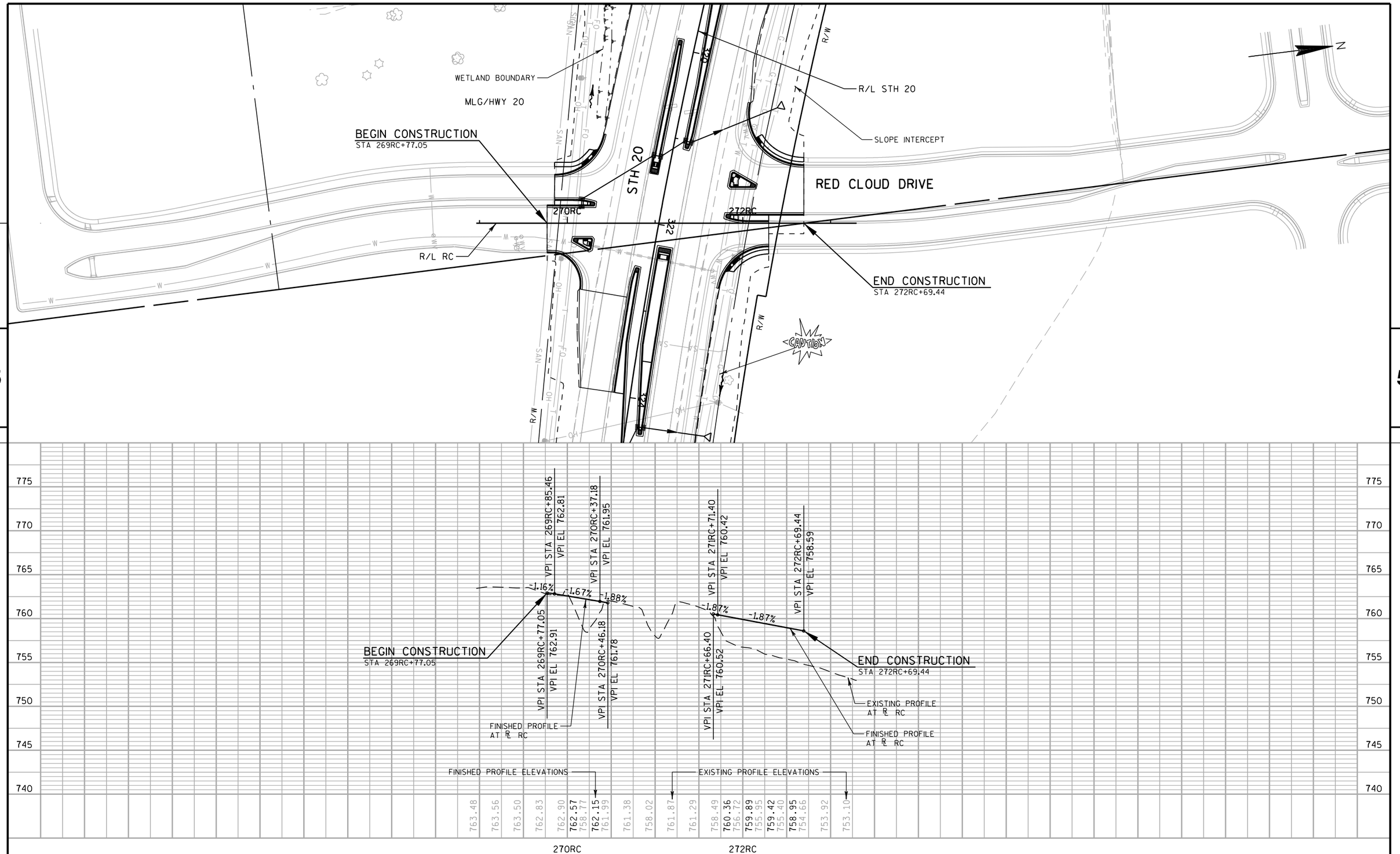
5

VPI STA 5859+32.35
VPI EL 766.84
VPI STA 5859+70.60
VPI EL 766.46
HP STA 5860+62.45
HP EL 766.72
VPI STA 5861+50.00
VPI EL 767.36
VPI STA 5863+16.38
VPI EL 764.64
-1.00%
0.50%
-1.63%
VCL = 330'
K = 155
VPC STA 5859+85.00
VPC EL 766.53
VPT STA 5863+15.00
VPT EL 764.67
FINISHED PROFILE AT PGL EAST FRONTAGE ROAD
EXISTING PROFILE AT ℄ EAST FRONTAGE ROAD
END CONSTRUCTION
STA 5863+16.29

775
770
765
760
755
750
745
740

FINISHED PROFILE ELEVATIONS
EXISTING PROFILE ELEVATIONS

| | | |

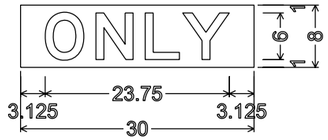


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	PLAN & PROFILE: RED CLOUD DRIVE	SHEET PRE_527	E

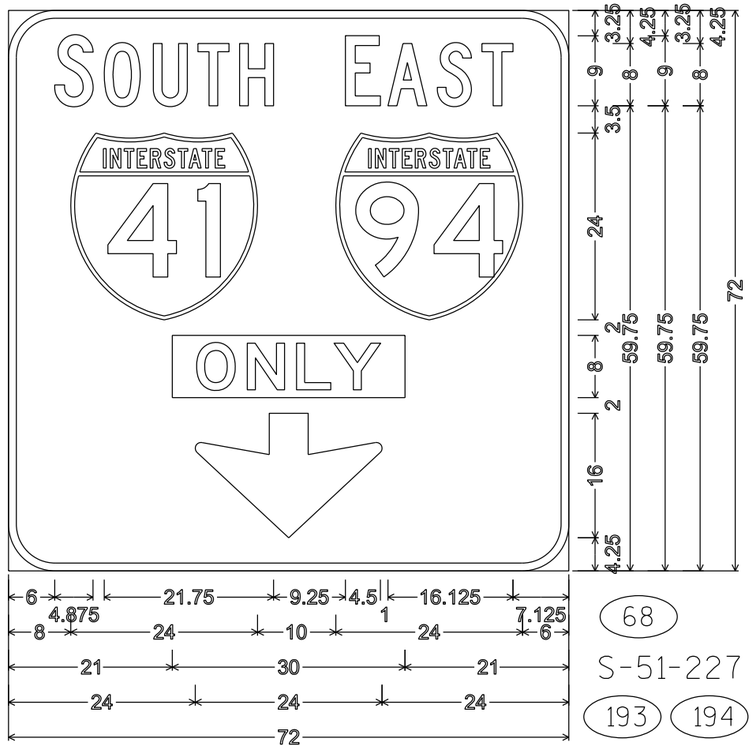
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\050405_pp.dgn PLOT DATE : 18-AUG-2019 21:52 PLOT BY : MSCD1S PLOT NAME : PLOT SCALE : 100:1

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted
4. Only Plaque is on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



No border, Black on Fluorescent yellow;
"ONLY" E



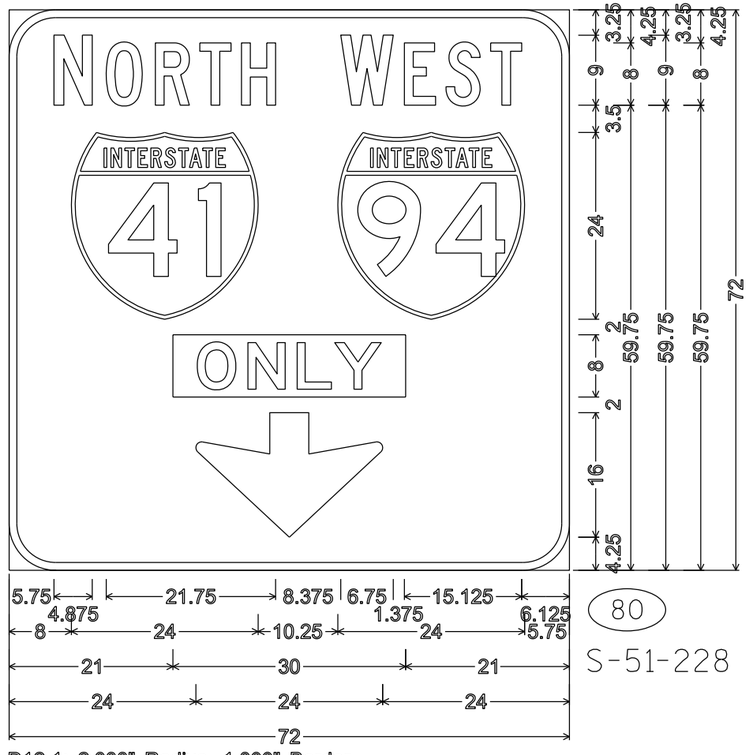
68

S-51-227

193 194

S-51-230

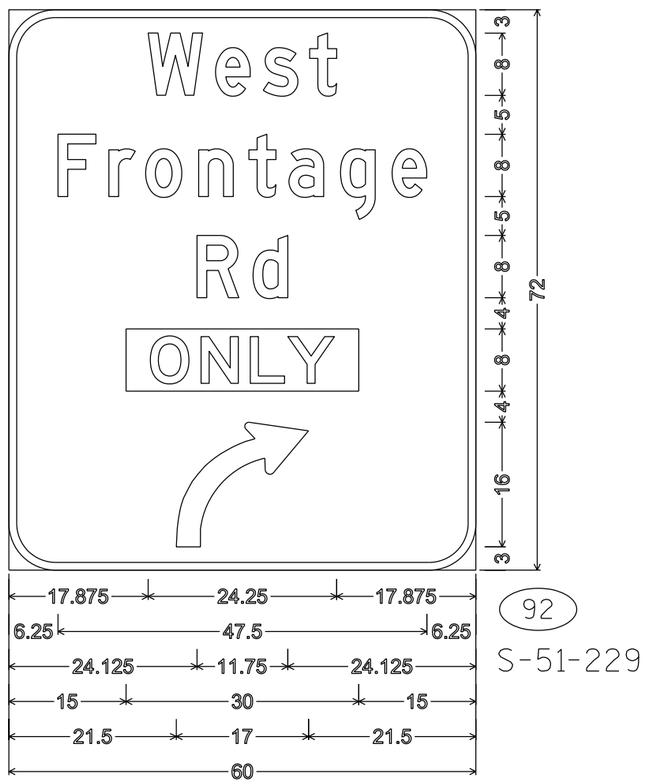
D16-1; 6.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C



80

S-51-228

D16-1; 6.000" Radius, 1.000" Border,
"NORTH" C; "WEST" C



92

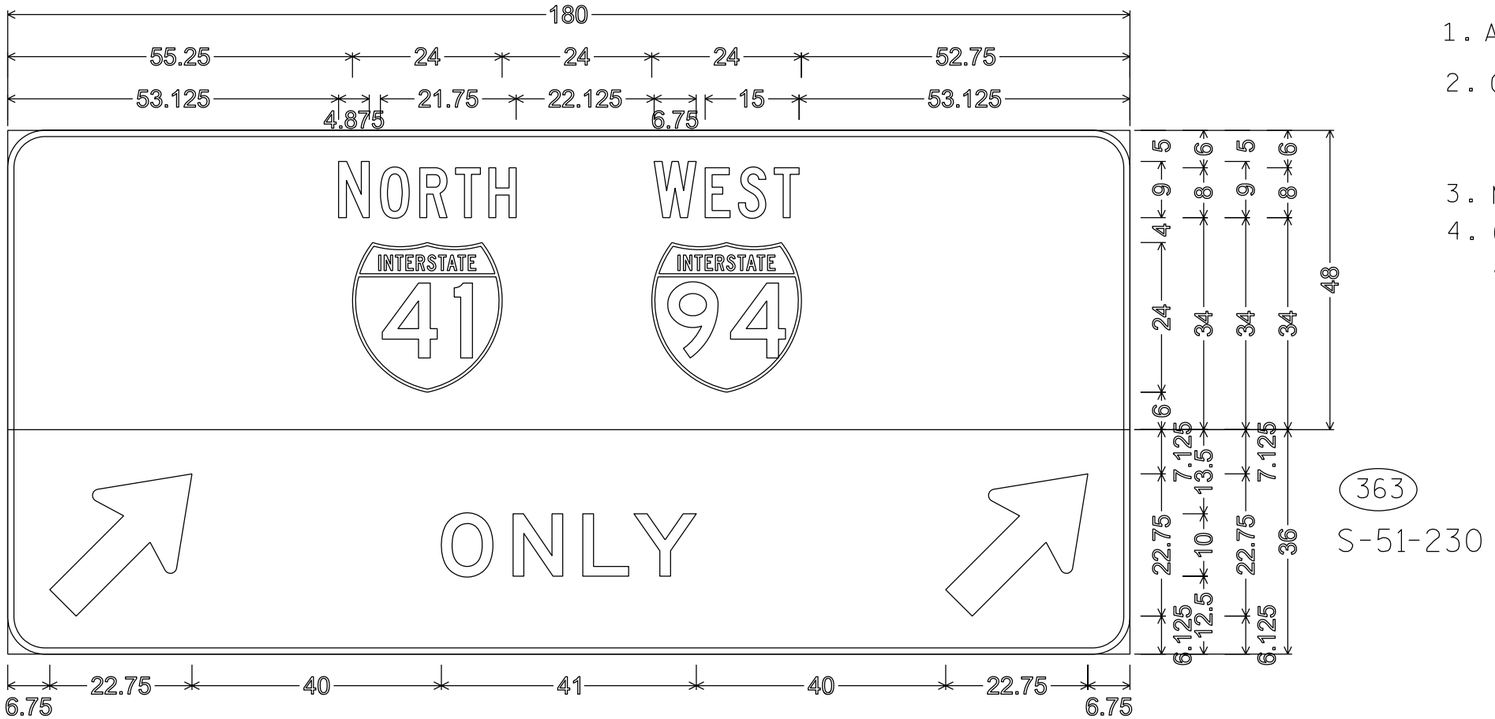
S-51-229

D16-1R;
6.000" Radius, 1.000" Border,
"West" D; "Frontage" D; "Rd" D

7

7

PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO PRE_528	E



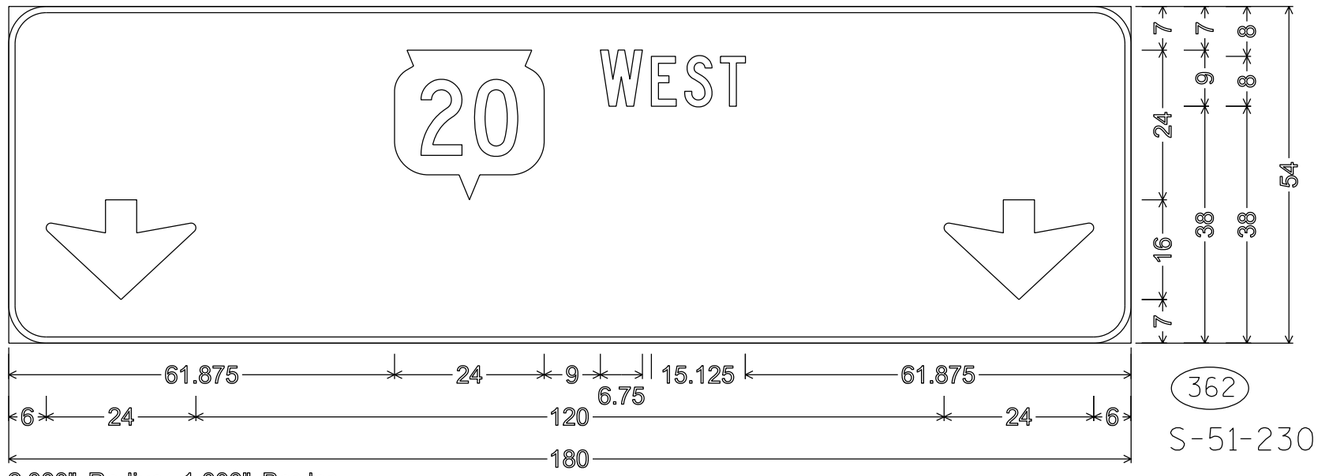
363

S-51-230

6.000" Radius, 1.000" Border,
"NORTH" C; "WEST" C;
E11-1E; 6.000" Radius, 1.000" Border, Black on Yellow;
"ONLY" E

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted
4. Only Panel is on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



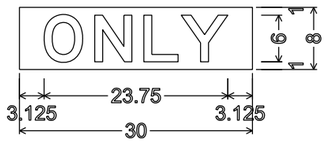
362

S-51-230

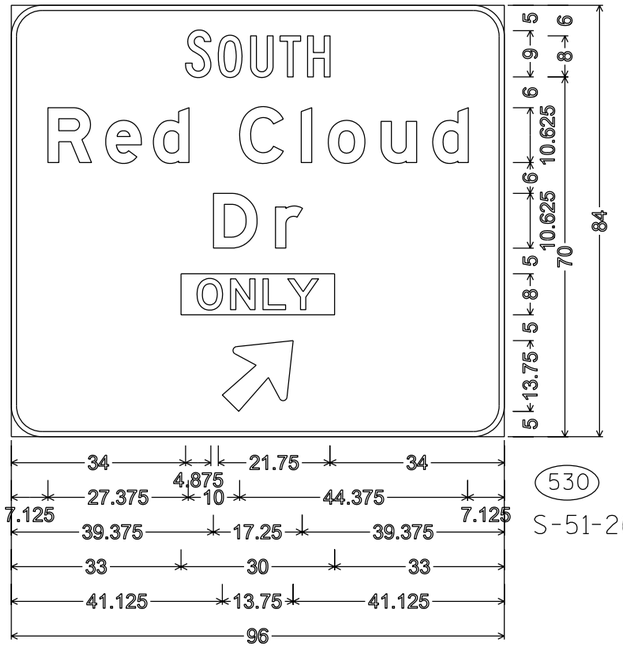
6.000" Radius, 1.000" Border,
"WEST" C

NOTES

1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted
4. Only Plaque is on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



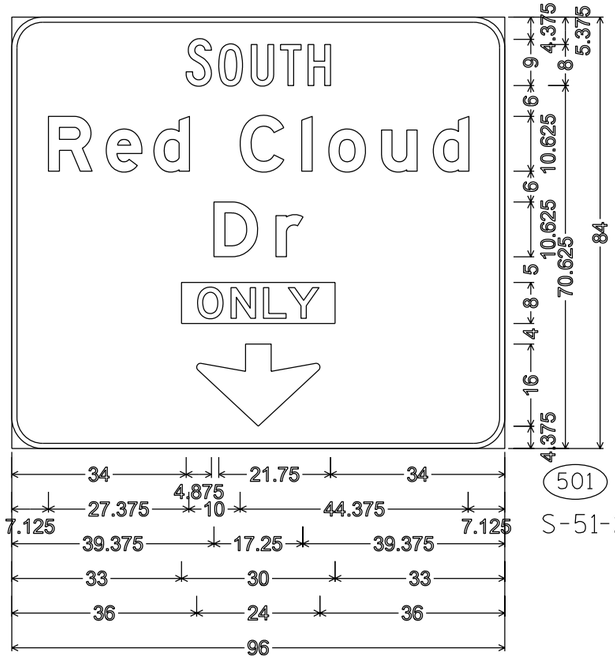
No border, Black on Fluorescent yellow;
"ONLY" E



530

S-51-261

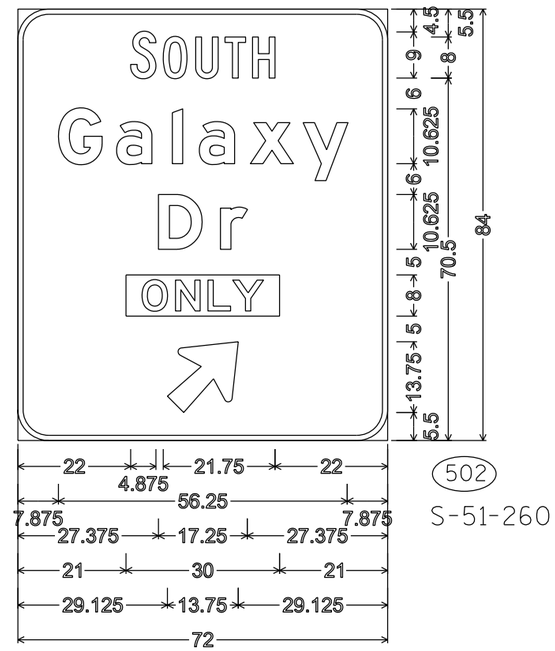
6.000" Radius, 1.000" Border,
"SOUTH" C; "Red" E Mod; "Cloud" E Mod; "Dr" E Mod



501

S-51-260

6.000" Radius, 1.000" Border,
"SOUTH" C; "Red" E Mod; "Cloud" E Mod; "Dr" E Mod



502

S-51-260

6.000" Radius, 1.000" Border,
"SOUTH" C; "Galaxy" E Mod; "Dr" E Mod

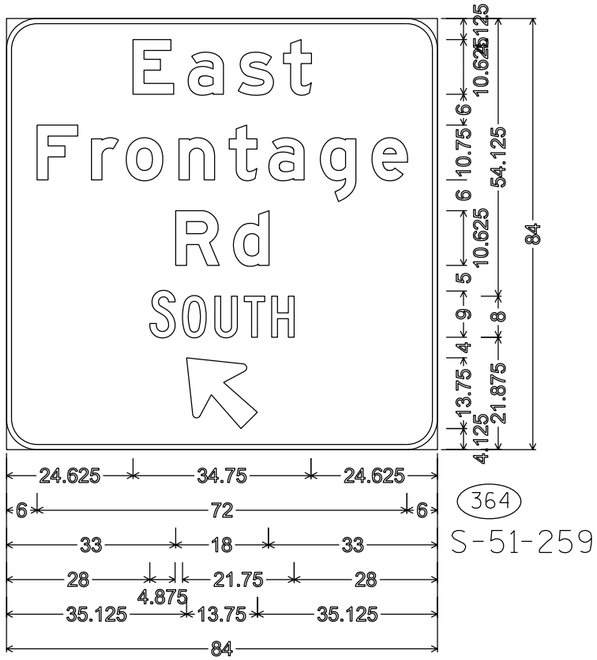
7

7

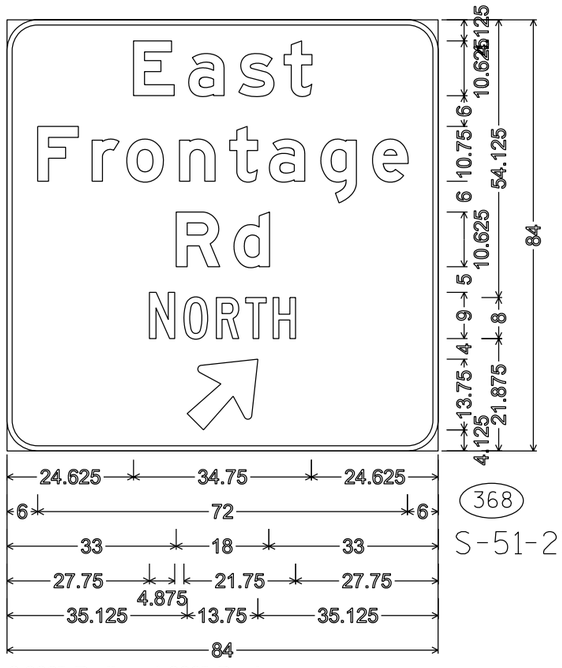
PROJECT NO: 1033-02-71	HWY: IH 94/STH 20	COUNTY: RACINE	PERMANENT SIGNING	SHEET NO: PRE_530	E

NOTES

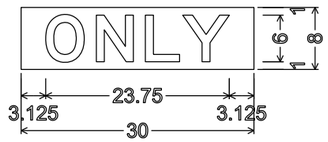
1. All Signs Type I - Type SH Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - As noted
4. Only Plaque is on Yellow Type F Reflective Sheeting with Black Non-Reflective Message



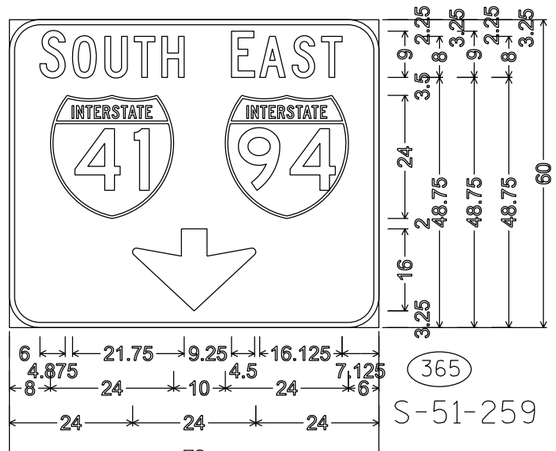
6.000" Radius, 1.000" Border,
"East" E Mod; "Frontage" E Mod; "Rd" E Mod; "SOUTH" C



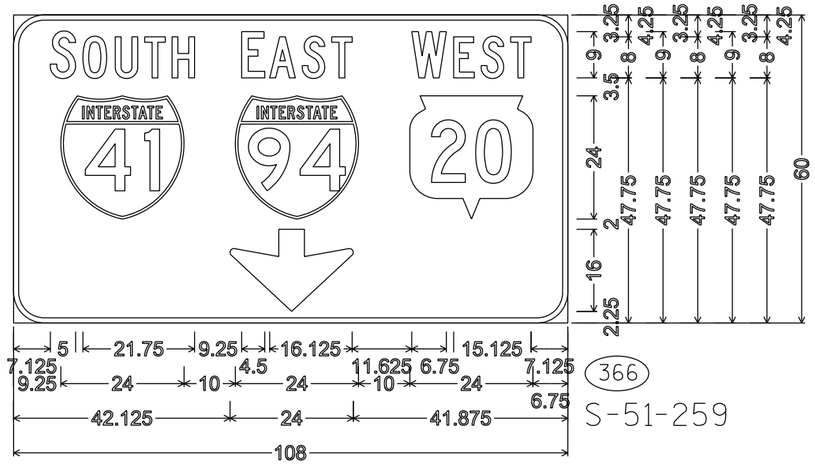
6.000" Radius, 1.000" Border,
"East" E Mod; "Frontage" E Mod; "Rd" E Mod; "NORTH" C



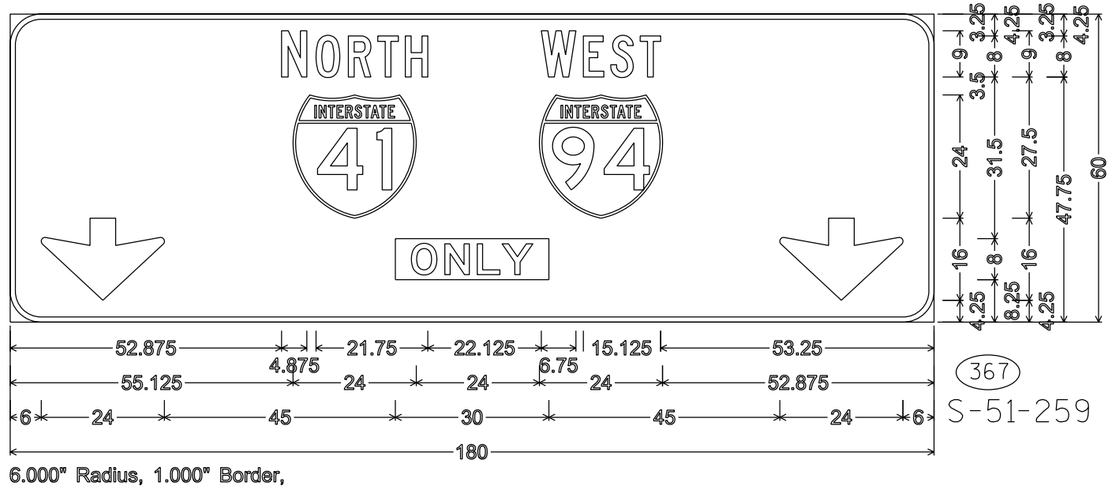
No border, Black on Fluorescent yellow;
"ONLY" E



6.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C



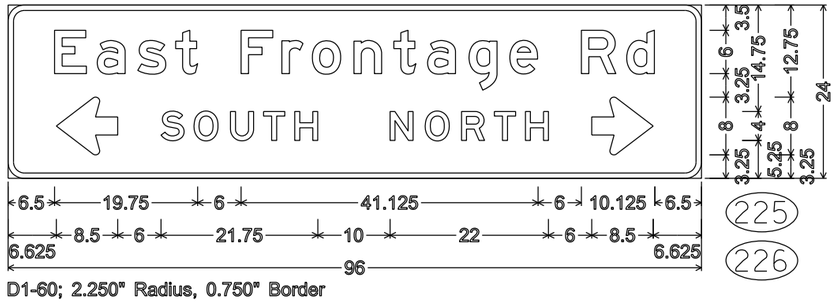
6.000" Radius, 1.000" Border,
"SOUTH" C; "EAST" C; "WEST" C



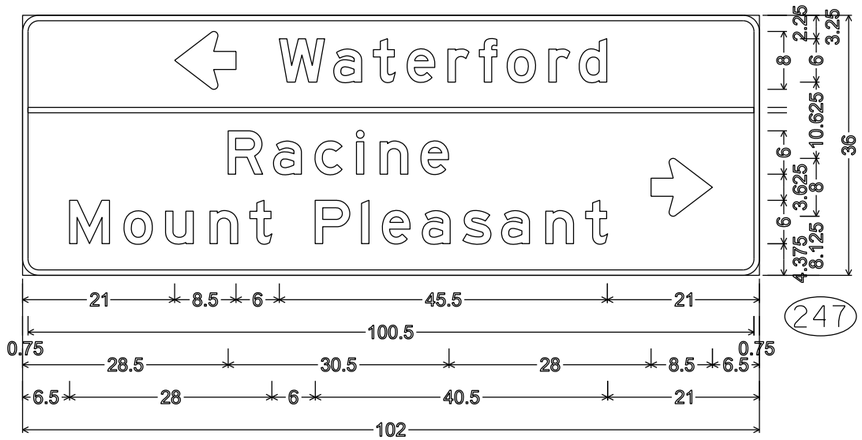
6.000" Radius, 1.000" Border,
"NORTH" C; "WEST" C

NOTES

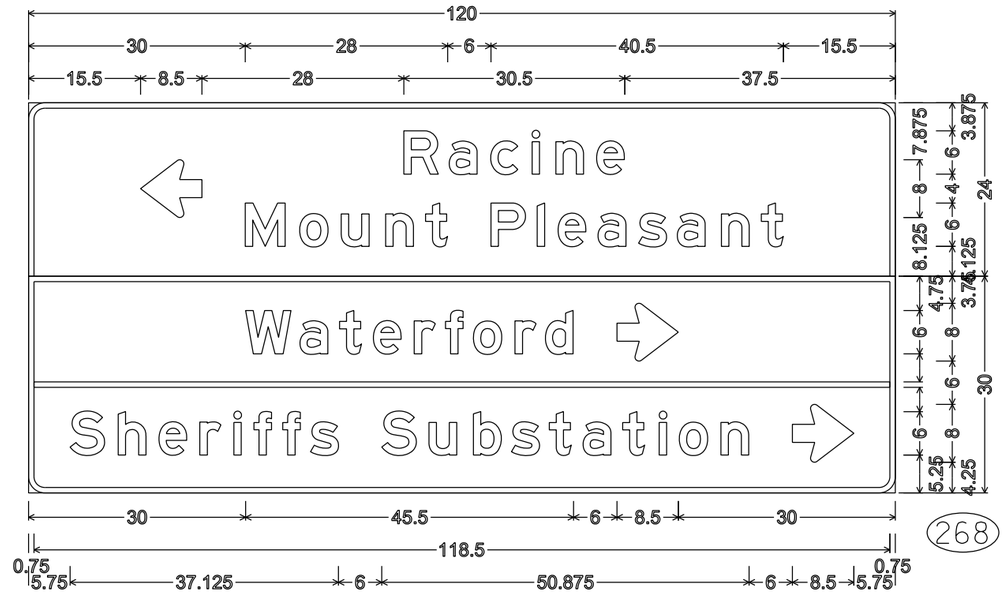
1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted
4. M1-94H base material is .125" aluminum



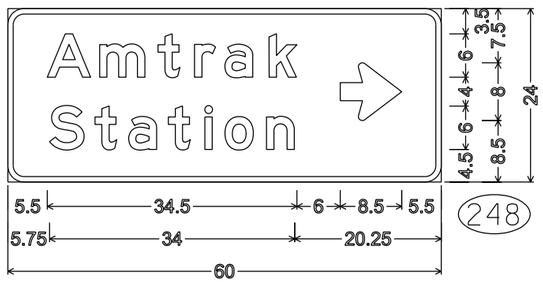
D1-60; 2.250" Radius, 0.750" Border



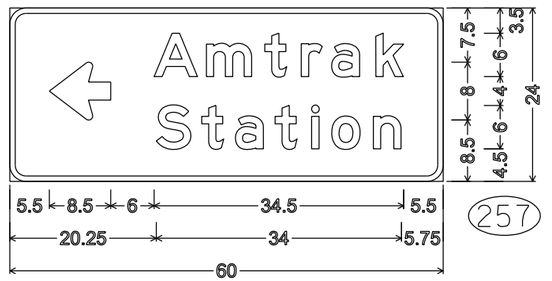
D1-3; 2.250" Radius, 0.750" Border



D1-2; 2.250" Radius, 0.750" Border



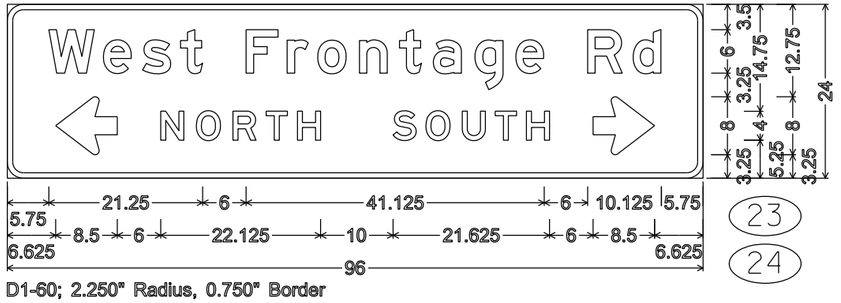
D1-2;
2.250" Radius, 0.750" Border



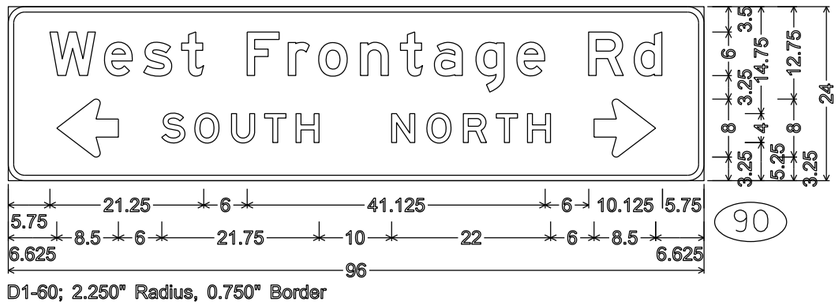
D1-2;
2.250" Radius, 0.750" Border

NOTES

1. All Signs Type II - Type H Reflective
2. Color:
   Background - Green except as noted
   Message - White
3. Message Series - E except as noted
4. M1-94H base material is .125" aluminum

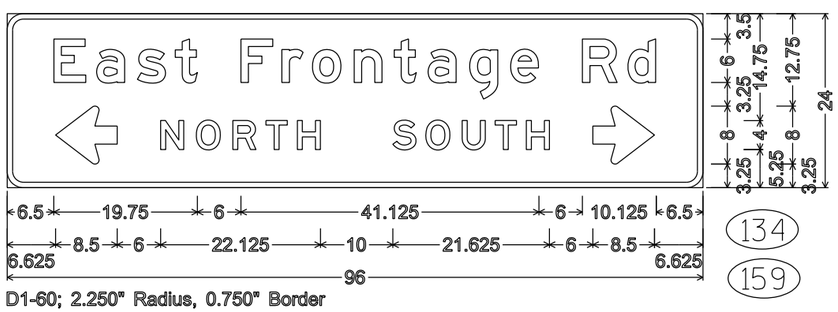


D1-60; 2.250" Radius, 0.750" Border

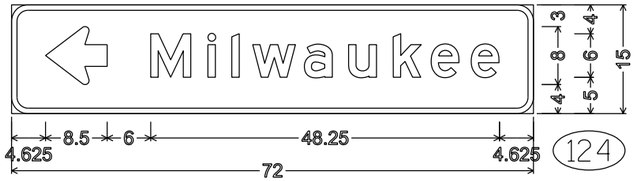


D1-60; 2.250" Radius, 0.750" Border

D1-2; 2.250" Radius, 0.750" Border

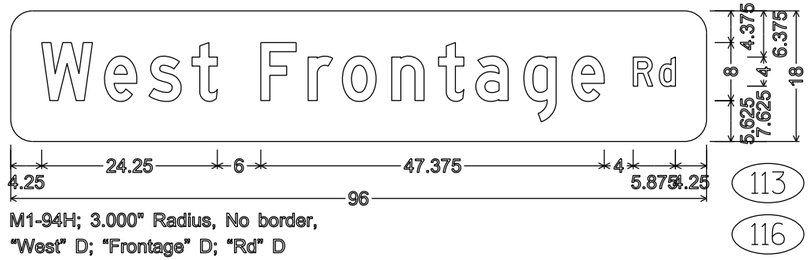


D1-60; 2.250" Radius, 0.750" Border

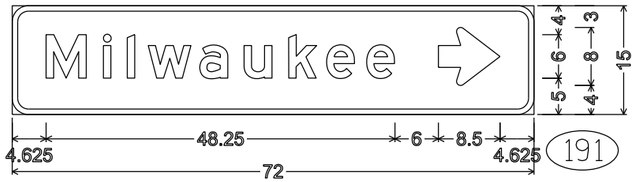


D1-1; 2.250" Radius, 0.750" Border

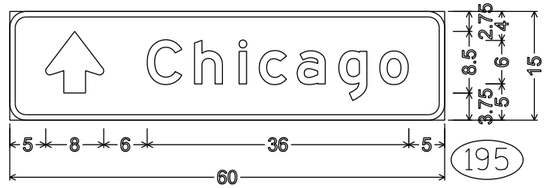
D1-1;
2.250" Radius, 0.750" Border



M1-94H; 3.000" Radius, No border,
"West" D; "Frontage" D; "Rd" D

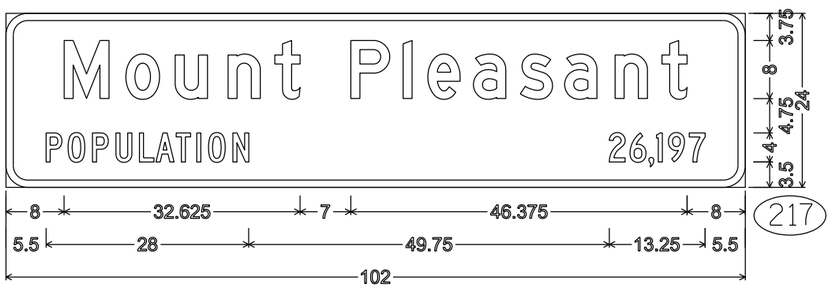


D1-1; 2.250" Radius, 0.750" Border

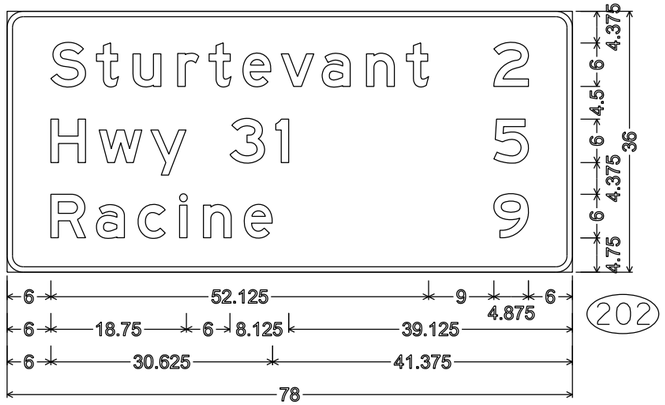


D1-1;
2.250" Radius, 0.750" Border

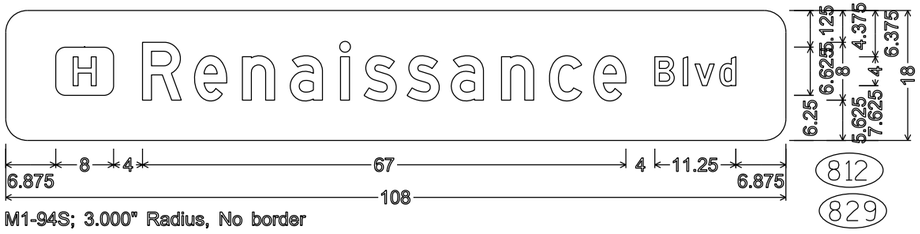
M1-94H; 3.000" Radius, No border,
"East" D; "Frontage" D; "Rd" D



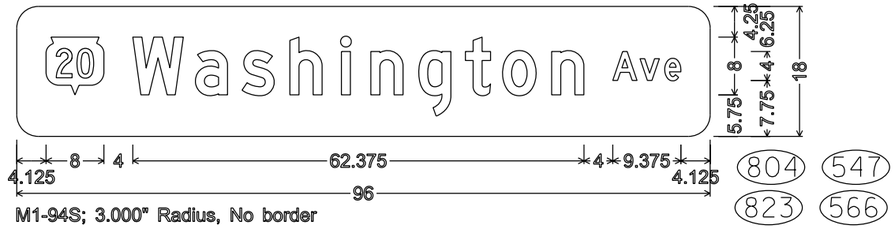
I2-3; 3.000" Radius, 1.000" Border,
"Mount" D; "Pleasant" D; "POPULATION" C; "26,197" C



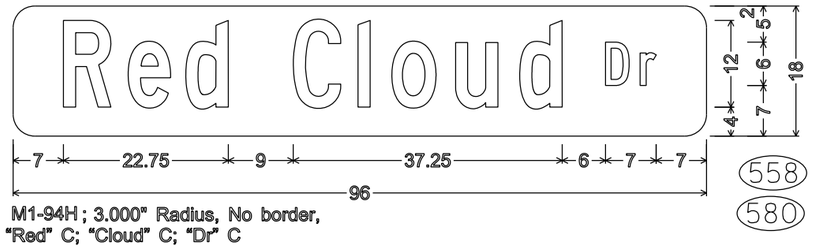
D2-3; 2.250" Radius, 0.750" Border



M1-94S; 3.000" Radius, No border



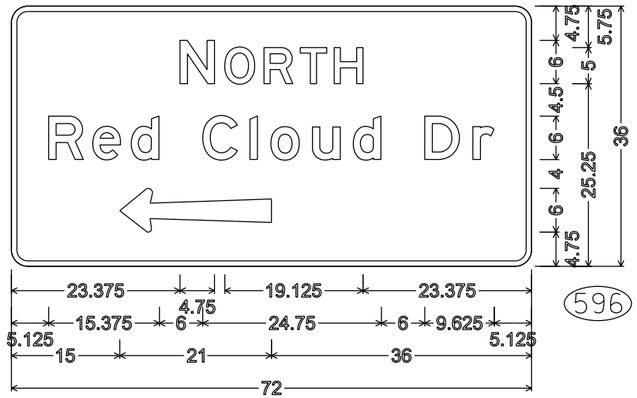
M1-94S; 3.000" Radius, No border



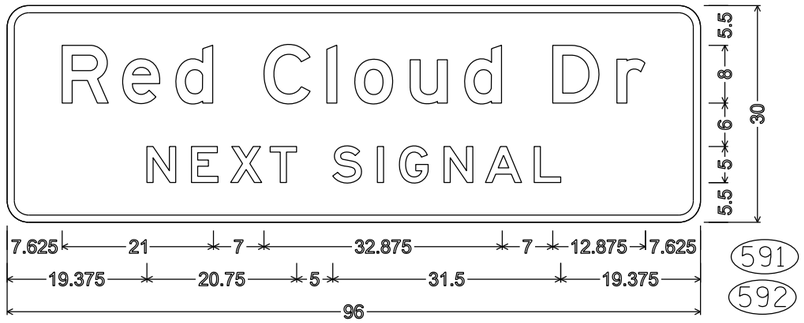
M1-94H ; 3.000" Radius, No border,
"Red" C; "Cloud" C; "Dr" C

NOTES

1. Signs are Type II- Type H Reflective
2. Color:
   Background - Green
   Message - White
3. Message Series - D except as noted
4. M1-94S base material is .125" aluminum



2.250" Radius, 0.750" Border,
"NORTH" E; "Red" E ; "Cloud" E; "Dr" E



D1-65; 3.000" Radius, 1.000" Border,
"Red" E; "Cloud" E; "Dr" E; "NEXT" E ; "SIGNAL" E

7

7

Division 1 TEMPORARY WIDENING AND CROSSOVERS

STATION		Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
				Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
265+07	AH	26507.00	0.00	75.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265+50		26550.00	43.00	73.23	0.00	0.00	118.04	0.00	0.00	118.04	0.00	0.00	118.04
266+00		26600.00	50.00	79.90	0.00	0.00	141.79	0.00	0.00	259.83	0.00	0.00	259.83
266+50		26650.00	50.00	80.51	2.52	0.00	148.53	2.33	0.00	408.36	2.33	0.00	406.02
267+00		26700.00	50.00	76.22	0.50	0.00	145.12	2.80	0.00	553.48	5.13	0.00	548.35
267+50		26750.00	50.00	66.46	3.52	0.00	132.11	3.72	0.00	685.59	8.85	0.00	676.74
268+00		26800.00	50.00	63.30	2.11	0.00	120.15	5.21	0.00	805.74	14.06	0.00	791.67
268+50		26850.00	50.00	52.68	3.52	0.00	107.39	5.21	0.00	913.13	19.28	0.00	893.85
269+00		26900.00	50.00	43.72	2.78	0.00	89.26	5.83	0.00	1002.39	25.11	0.00	977.27
269+50		26950.00	50.00	26.43	3.20	0.00	64.95	5.54	0.00	1067.34	30.65	0.00	1036.69
270+00		27000.00	50.00	26.65	3.19	0.00	49.15	5.92	0.00	1116.49	36.56	0.00	1079.92
270+50		27050.00	50.00	29.19	0.77	0.00	51.70	3.67	0.00	1168.19	40.23	0.00	1127.96
271+00		27100.00	50.00	22.97	0.00	0.00	48.30	0.71	0.00	1216.49	40.94	0.00	1175.54
271+50		27150.00	50.00	23.07	0.00	0.00	42.63	0.00	0.00	1259.12	40.94	0.00	1218.17
272+00		27200.00	50.00	22.76	0.00	0.00	42.44	0.00	0.00	1301.55	40.94	0.00	1260.61
272+50		27250.00	50.00	22.90	0.00	0.00	42.28	0.00	0.00	1343.83	40.94	0.00	1302.89
273+00		27300.00	50.00	25.81	0.33	0.00	45.10	0.31	0.00	1388.93	41.25	0.00	1347.68
273+50		27350.00	50.00	24.74	0.70	0.00	46.81	0.95	0.00	1435.74	42.20	0.00	1393.53
274+00		27400.00	50.00	18.63	1.08	0.00	40.16	1.65	0.00	1475.89	43.85	0.00	1432.04
274+50		27450.00	50.00	23.49	3.98	0.00	39.00	4.69	0.00	1514.89	48.54	0.00	1466.36
275+00		27500.00	50.00	24.99	2.96	0.00	44.89	6.43	0.00	1559.78	54.96	0.00	1504.82
275+50		27550.00	50.00	22.53	4.14	0.00	44.00	6.57	0.00	1603.78	61.54	0.00	1542.25
276+00		27600.00	50.00	18.85	3.29	0.00	38.31	6.88	0.00	1642.10	68.42	0.00	1573.68
276+50		27650.00	50.00	14.00	2.32	0.00	30.42	5.19	0.00	1672.52	73.61	0.00	1598.90
277+00		27700.00	50.00	8.90	3.90	0.00	21.20	5.76	0.00	1693.72	79.37	0.00	1614.35
277+50		27750.00	50.00	6.28	1.15	0.00	14.06	4.68	0.00	1707.77	84.05	0.00	1623.73
278+00		27800.00	50.00	5.42	0.31	0.00	10.83	1.35	0.00	1718.61	85.40	0.00	1633.21
278+12	BK	27812.00	12.00	3.31	0.06	0.00	1.94	0.08	0.00	1720.55	85.48	0.00	1635.07
278+84	AH	27884.00	0.00	3.20	0.01	0.00	0.00	0.00	0.00	1720.55	85.48	0.00	1635.07
279+00		27900.00	16.00	6.23	0.61	0.00	2.79	0.18	0.00	1723.34	85.66	0.00	1637.68
279+50		27950.00	50.00	11.55	0.53	0.00	16.46	1.06	0.00	1739.80	86.72	0.00	1653.09
280+00		28000.00	50.00	16.95	0.72	0.00	26.39	1.16	0.00	1766.19	87.88	0.00	1678.32
280+50		28050.00	50.00	21.30	0.41	0.00	35.42	1.05	0.00	1801.61	88.92	0.00	1712.69
281+00		28100.00	50.00	21.54	0.13	0.00	39.67	0.50	0.00	1841.28	89.42	0.00	1751.85
281+50		28150.00	50.00	21.06	0.12	0.00	39.44	0.23	0.00	1880.72	89.65	0.00	1791.07
282+00		28200.00	50.00	21.91	0.00	0.00	39.79	0.11	0.00	1920.51	89.77	0.00	1830.74
282+50		28250.00	50.00	22.17	17.50	0.00	40.81	16.20	0.00	1961.32	105.97	0.00	1855.35
283+00		28300.00	50.00	20.17	21.00	0.00	39.20	35.65	0.00	2000.53	141.62	0.00	1858.91
283+50		28350.00	50.00	12.79	6.90	0.00	30.52	25.83	0.00	2031.05	167.45	0.00	1863.59
284+00		28400.00	50.00	10.83	7.84	0.00	21.87	13.65	0.00	2052.92	181.10	0.00	1871.82
284+50		28450.00	50.00	9.79	8.28	0.00	19.09	14.93	0.00	2072.01	196.03	0.00	1875.98

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 1 TEMPORARY WIDENING AND CROSSOVERS

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
285+00	28500.00	50.00	9.82	7.67	0.00	18.16	14.77	0.00	2090.17	210.79	0.00	1879.37
285+50	28550.00	50.00	8.55	10.73	0.00	17.01	17.04	0.00	2107.18	227.83	0.00	1879.34
286+00	28600.00	50.00	9.43	12.61	0.00	16.65	21.61	0.00	2123.82	249.44	0.00	1874.38
286+50	28650.00	50.00	15.40	9.11	0.00	22.99	20.11	0.00	2146.81	269.55	0.00	1877.26
286+77 BK	28677.00	27.00	9.26	0.00	0.00	12.33	4.56	0.00	2159.14	274.11	0.00	1885.04
288+23 AH	28823.00	0.00	3.05	1.24	0.00	0.00	0.00	0.00	2159.14	274.11	0.00	1885.04
288+50	28850.00	27.00	9.75	2.16	0.00	6.40	1.70	0.00	2165.54	275.81	0.00	1889.74
289+00	28900.00	50.00	14.55	7.69	0.00	22.50	9.12	0.00	2188.04	284.93	0.00	1903.12
289+50	28950.00	50.00	15.10	8.53	0.00	27.45	15.02	0.00	2215.50	299.95	0.00	1915.55
290+00	29000.00	50.00	16.51	3.56	0.00	29.27	11.19	0.00	2244.77	311.14	0.00	1933.63
290+50	29050.00	50.00	20.98	0.37	0.00	34.71	3.64	0.00	2279.48	314.78	0.00	1964.70
291+00	29100.00	50.00	14.24	0.14	0.00	32.61	0.47	0.00	2312.09	315.25	0.00	1996.84
291+36 BK	29136.00	36.00	3.01	0.04	0.00	11.50	0.12	0.00	2323.59	315.37	0.00	2008.22
292+94 AH	29294.40	0.00	58.12	0.00	0.00	0.00	0.00	0.00	2323.59	315.37	0.00	2008.22
293+00	29300.00	5.60	69.68	0.00	0.00	13.25	0.00	0.00	2336.84	315.37	0.00	2021.47
293+50	29350.00	50.00	54.46	0.00	0.00	114.94	0.00	0.00	2451.79	315.37	0.00	2136.42
294+00	29400.00	50.00	35.74	0.04	0.00	83.52	0.04	0.00	2535.31	315.41	0.00	2219.90
294+50	29450.00	50.00	32.77	0.16	0.00	63.44	0.19	0.00	2598.74	315.59	0.00	2283.15
295+00	29500.00	50.00	35.60	0.18	0.00	63.31	0.31	0.00	2662.05	315.91	0.00	2346.14
295+50	29550.00	50.00	41.94	0.01	0.00	71.80	0.18	0.00	2733.84	316.09	0.00	2417.76
296+00	29600.00	50.00	64.33	0.00	0.00	98.40	0.01	0.00	2832.24	316.09	0.00	2516.15
296+20 BK	29620.00	20.00	21.10	0.00	0.00	31.64	0.00	0.00	2863.88	316.09	0.00	2547.79
296+96 AH	29696.00	0.00	4.99	0.00	0.00	0.00	0.00	0.00	2863.88	316.09	0.00	2547.79
297+00	29700.00	4.00	8.82	0.00	0.00	1.02	0.00	0.00	2864.91	316.09	0.00	2548.81
297+50	29750.00	50.00	20.52	10.76	0.00	27.17	9.96	0.00	2892.07	326.06	0.00	2566.01
298+00	29800.00	50.00	14.91	10.26	0.00	32.81	19.46	0.00	2924.88	345.52	0.00	2579.36
298+50	29850.00	50.00	36.35	0.00	0.00	47.46	9.50	0.00	2972.34	355.02	0.00	2617.32
299+00	29900.00	50.00	44.68	0.00	0.00	75.03	0.00	0.00	3047.37	355.02	0.00	2692.35
299+50	29950.00	50.00	12.01	5.63	0.00	52.49	5.21	0.00	3099.86	360.23	0.00	2739.63
300+00	30000.00	50.00	15.08	11.29	0.00	25.08	15.67	0.00	3124.94	375.90	0.00	2749.04
300+50	30050.00	50.00	17.56	9.30	0.00	30.22	19.06	0.00	3155.16	394.97	0.00	2760.20
301+00	30100.00	50.00	15.27	11.38	0.00	30.40	19.15	0.00	3185.56	414.11	0.00	2771.45
301+50	30150.00	50.00	16.07	10.47	0.00	29.02	20.23	0.00	3214.58	434.34	0.00	2780.24
302+00	30200.00	50.00	17.02	5.48	0.00	30.64	14.77	0.00	3245.22	449.11	0.00	2796.11
302+44 BK	30244.28	44.28	26.38	0.00	0.00	35.59	4.49	0.00	3280.81	453.61	0.00	2827.20

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 1 TEMPORARY WIDENING AND CROSSOVERS

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
303+39 AH	30339.00	0.00	12.11	0.00	0.00	0.00	0.00	0.00	3280.81	453.61	0.00	2827.20
303+50	30350.00	11.00	26.32	0.00	0.00	7.83	0.00	0.00	3288.64	453.61	0.00	2835.03
304+00	30400.00	50.00	14.68	3.62	0.00	37.96	3.35	0.00	3326.60	456.96	0.00	2869.64
304+50	30450.00	50.00	16.93	10.36	0.00	29.27	12.94	0.00	3355.87	469.90	0.00	2885.97
305+00	30500.00	50.00	22.41	12.48	0.00	36.43	21.15	0.00	3392.29	491.05	0.00	2901.24
305+50	30550.00	50.00	21.62	16.99	0.00	40.77	27.29	0.00	3433.06	518.34	0.00	2914.72
306+00	30600.00	50.00	21.06	18.01	0.00	39.52	32.41	0.00	3472.58	550.75	0.00	2921.84
306+50	30650.00	50.00	19.59	21.22	0.00	37.64	36.32	0.00	3510.22	587.07	0.00	2923.15
307+00	30700.00	50.00	20.21	21.79	0.00	36.85	39.82	0.00	3547.07	626.89	0.00	2920.18
307+50	30750.00	50.00	19.86	20.36	0.00	37.10	39.03	0.00	3584.17	665.92	0.00	2918.25
308+00	30800.00	50.00	20.54	18.68	0.00	37.41	36.15	0.00	3621.58	702.07	0.00	2919.51
308+50	30850.00	50.00	20.40	16.94	0.00	37.91	32.98	0.00	3659.49	735.05	0.00	2924.44
309+00	30900.00	50.00	20.62	14.14	0.00	37.98	28.78	0.00	3697.47	763.83	0.00	2933.64
309+50	30950.00	50.00	20.98	16.61	0.00	38.52	28.47	0.00	3735.99	792.30	0.00	2943.69
310+00	31000.00	50.00	20.44	16.51	0.00	38.35	30.67	0.00	3774.34	822.97	0.00	2951.37
310+50	31050.00	50.00	19.86	12.58	0.00	37.31	26.94	0.00	3811.66	849.90	0.00	2961.75
311+00	31100.00	50.00	19.80	13.44	0.00	36.72	24.09	0.00	3848.38	874.00	0.00	2974.38
311+50	31150.00	50.00	19.65	12.32	0.00	36.53	23.85	0.00	3884.91	897.85	0.00	2987.06
312+00	31200.00	50.00	19.78	12.81	0.00	36.51	23.27	0.00	3921.41	921.12	0.00	3000.30
312+50	31250.00	50.00	20.09	14.29	0.00	36.92	25.09	0.00	3958.33	946.21	0.00	3012.12
313+00	31300.00	50.00	20.91	12.17	0.00	37.96	24.50	0.00	3996.29	970.71	0.00	3025.59
313+50	31350.00	50.00	21.98	11.67	0.00	39.71	22.07	0.00	4036.01	992.78	0.00	3043.22
314+00	31400.00	50.00	15.42	9.10	0.00	34.63	19.23	0.00	4070.64	1012.01	0.00	3058.62
314+15 BK	31415.00	15.00	4.28	0.03	0.00	5.47	2.54	0.00	4076.11	1014.55	0.00	3061.56
314+66 AH	31466.00	0.00	3.89	0.01	0.00	0.00	0.00	0.00	4076.11	1014.55	0.00	3061.56
315+00	31500.00	34.00	16.91	7.59	0.00	13.10	4.79	0.00	4089.21	1019.34	0.00	3069.87
315+50	31550.00	50.00	24.24	8.78	0.00	38.10	15.16	0.00	4127.31	1034.49	0.00	3092.81
316+00	31600.00	50.00	25.47	7.67	0.00	46.03	15.23	0.00	4173.33	1049.72	0.00	3123.61
316+50	31650.00	50.00	24.57	12.74	0.00	46.33	18.90	0.00	4219.67	1068.62	0.00	3151.05
317+00	31700.00	50.00	24.96	10.21	0.00	45.86	21.25	0.00	4265.53	1089.87	0.00	3175.66
317+50	31750.00	50.00	27.95	6.68	0.00	48.99	15.64	0.00	4314.52	1105.51	0.00	3209.01
318+00	31800.00	50.00	26.94	6.48	0.00	50.82	12.19	0.00	4365.34	1117.70	0.00	3247.65
318+50	31850.00	50.00	28.43	10.10	0.00	48.86	16.63	0.00	4222.20	1066.35	0.00	3155.85
319+00	31900.00	50.00	28.57	7.28	0.00	52.78	16.09	0.00	4274.98	1082.45	0.00	3192.53
319+50	31950.00	50.00	36.10	0.29	0.00	59.88	7.01	0.00	4334.86	1089.46	0.00	3245.40
320+00	32000.00	50.00	26.72	13.40	0.00	58.17	12.68	0.00	4393.02	1102.13	0.00	3290.89
320+50	32050.00	50.00	28.11	17.58	0.00	50.77	28.69	0.00	4443.79	1130.82	0.00	3312.97
321+00	32100.00	50.00	27.99	18.97	0.00	51.94	33.84	0.00	4495.74	1164.66	0.00	3331.08
321+50	32150.00	50.00	28.40	18.34	0.00	52.21	34.55	0.00	4547.95	1199.21	0.00	3348.74

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 1 TEMPORARY WIDENING AND CROSSOVERS

STATION	Real Station		Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
				Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
322+00	32200.00		50.00	27.90	16.80	0.00	52.13	32.54	0.00	4600.08	1231.74	0.00	3368.34
322+50	32250.00		50.00	27.88	8.46	0.00	51.65	23.39	0.00	4651.73	1255.13	0.00	3396.60
323+00	32300.00		50.00	32.05	4.58	0.00	55.49	12.07	0.00	4707.22	1267.21	0.00	3440.01
323+50	32350.00		50.00	31.96	3.47	0.00	59.27	7.45	0.00	4766.49	1274.66	0.00	3491.83
324+00	32400.00		50.00	31.62	2.31	0.00	58.87	5.35	0.00	4825.36	1280.01	0.00	3545.35
324+50	32450.00		50.00	33.05	1.90	0.00	59.88	3.90	0.00	4885.24	1283.91	0.00	3601.33
325+00	32500.00		50.00	32.69	1.10	0.00	60.87	2.78	0.00	4946.11	1286.69	0.00	3659.42
325+50	32550.00		50.00	29.03	0.94	0.00	57.15	1.89	0.00	5003.25	1288.58	0.00	3714.68
326+00	32600.00		50.00	31.78	1.79	0.00	56.31	2.53	0.00	5059.56	1291.10	0.00	3768.46
326+50	32650.00		50.00	35.67	4.55	0.00	62.45	5.87	0.00	5122.01	1296.97	0.00	3825.04
327+00	32700.00		50.00	25.84	10.22	0.00	56.95	13.68	0.00	5178.97	1310.65	0.00	3868.32
327+50	32750.00		50.00	23.38	16.07	0.00	45.57	24.34	0.00	5224.54	1334.99	0.00	3889.55
328+00	32800.00		50.00	22.73	22.54	0.00	42.69	35.75	0.00	5267.24	1370.74	0.00	3896.49
328+50	32850.00		50.00	32.32	0.46	0.00	50.97	21.30	0.00	5318.21	1392.04	0.00	3926.17
329+00	32900.00		50.00	22.41	21.85	0.00	50.68	20.66	0.00	5368.88	1412.70	0.00	3956.19
329+50	32950.00		50.00	26.94	34.26	0.00	45.69	51.95	0.00	5414.58	1464.65	0.00	3949.93
330+00	33000.00		50.00	28.10	33.43	0.00	50.96	62.68	0.00	5465.54	1527.33	0.00	3938.22
330+50	33050.00		50.00	40.52	40.26	0.00	63.54	68.23	0.00	5529.08	1595.56	0.00	3933.52
331+00	33100.00		50.00	42.24	42.62	0.00	76.63	76.74	0.00	5605.71	1672.30	0.00	3933.41
331+50	33150.00		50.00	45.78	45.44	0.00	81.50	81.54	0.00	5687.21	1753.84	0.00	3933.37
332+00	33200.00		50.00	47.12	43.92	0.00	86.02	82.74	0.00	5773.23	1836.58	0.00	3936.65
332+50	33250.00		50.00	41.14	36.65	0.00	81.72	74.60	0.00	5854.95	1911.18	0.00	3943.77
333+00	33300.00		50.00	32.55	20.25	0.00	68.23	52.69	0.00	5923.18	1963.86	0.00	3959.32
333+50	33350.00		50.00	26.85	23.38	0.00	55.00	40.40	0.00	5978.18	2004.26	0.00	3973.92
334+00	33400.00		50.00	24.61	24.56	0.00	47.65	44.39	0.00	6025.83	2048.65	0.00	3977.18
334+50	33450.00		50.00	21.46	29.29	0.00	42.66	49.86	0.00	6068.49	2098.51	0.00	3969.97
335+00	33500.00		50.00	19.39	32.66	0.00	37.82	57.36	0.00	6106.31	2155.87	0.00	3950.44
335+50	33550.00		50.00	21.12	36.72	0.00	37.51	64.24	0.00	6143.82	2220.11	0.00	3923.71
336+00	33600.00		50.00	27.74	31.99	0.00	45.24	63.62	0.00	6189.06	2283.73	0.00	3905.33
336+50	33650.00		50.00	23.19	39.99	0.00	47.16	66.65	0.00	6236.22	2350.38	0.00	3885.84
337+00	33700.00		50.00	22.02	40.23	0.00	41.86	74.28	0.00	6278.08	2424.66	0.00	3853.42
337+50	33750.00		50.00	20.65	33.79	0.00	39.51	68.54	0.00	6317.59	2493.20	0.00	3824.39
338+00	33800.00		50.00	18.42	26.67	0.00	36.18	55.98	0.00	6353.76	2549.18	0.00	3804.59
338+50	33850.00		50.00	15.76	19.36	0.00	31.65	42.62	0.00	6385.41	2591.80	0.00	3793.61
339+00	33900.00		50.00	8.30	3.43	0.00	22.28	21.10	0.00	6407.69	2612.90	0.00	3794.79
339+50	33950.00		50.00	6.10	0.01	0.00	13.33	3.19	0.00	6421.02	2616.09	0.00	3804.94
339+92	33992.00	BK	42.00	4.57	0.00	0.00	8.30	0.01	0.00	6429.32	2616.09	0.00	3813.23
						Column totals	6621.33	2684.07	0.00				

Division 2 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
265+07 AH	26506.70	0.00	153.17	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265+50	26550.00	43.30	0.00	0.00	0.00	122.82	1.60	0.00	122.82	1.60	0.00	121.22
266+00	26600.00	50.00	150.27	7.95	0.00	139.14	7.36	0.00	261.96	8.96	0.00	253.00
266+50	26650.00	50.00	146.01	15.14	0.00	274.33	21.38	0.00	536.29	30.34	0.00	505.96
267+00	26700.00	50.00	146.32	2.01	0.00	270.68	15.88	0.00	806.97	46.22	0.00	760.75
267+50	26750.00	50.00	146.35	19.40	0.00	270.99	19.82	0.00	1077.96	66.04	0.00	1011.92
268+00	26800.00	50.00	137.00	3.93	0.00	262.36	21.60	0.00	1340.32	87.64	0.00	1252.68
268+50	26850.00	50.00	122.92	22.99	0.00	240.67	24.93	0.00	1580.99	112.57	0.00	1468.42
269+00	26900.00	50.00	116.40	5.58	0.00	221.59	26.45	0.00	1802.58	139.02	0.00	1663.56
269+50	26950.00	50.00	102.62	18.14	0.00	202.80	21.96	0.00	2005.38	160.98	0.00	1844.39
270+00	27000.00	50.00	94.80	22.54	0.00	182.80	37.67	0.00	2188.17	198.65	0.00	1989.52
270+50	27050.00	50.00	90.35	22.95	0.00	171.44	42.12	0.00	2359.61	240.77	0.00	2118.84
271+00	27100.00	50.00	139.80	0.00	0.00	213.10	21.25	0.00	2572.71	262.02	0.00	2310.69
271+50	27150.00	50.00	135.20	0.00	0.00	254.63	0.00	0.00	2827.34	262.02	0.00	2565.32
272+00	27200.00	50.00	128.44	48.82	0.00	244.11	45.20	0.00	3071.45	307.23	0.00	2764.22
272+50	27250.00	50.00	117.69	46.23	0.00	227.90	88.01	0.00	3299.35	395.23	0.00	2904.11
273+00	27300.00	50.00	112.59	68.21	0.00	213.22	105.96	0.00	3512.57	501.20	0.00	3011.37
273+50	27350.00	50.00	115.99	63.63	0.00	211.65	122.07	0.00	3724.22	623.27	0.00	3100.95
274+00	27400.00	50.00	108.79	57.50	0.00	208.13	112.16	0.00	3932.35	735.43	0.00	3196.92
274+50	27450.00	50.00	106.87	52.40	0.00	199.69	101.76	0.00	4132.03	837.19	0.00	3294.84
275+00	27500.00	50.00	107.32	57.08	0.00	198.32	101.37	0.00	4330.36	938.56	0.00	3391.80
275+50	27550.00	50.00	113.50	53.64	0.00	204.46	102.52	0.00	4534.82	1041.08	0.00	3493.74
276+00	27600.00	50.00	123.13	47.44	0.00	219.10	93.59	0.00	4753.92	1134.67	0.00	3619.25
276+50	27650.00	50.00	117.10	34.92	0.00	222.44	76.26	0.00	4976.36	1210.93	0.00	3765.43
277+00	27700.00	50.00	125.34	29.35	0.00	224.48	59.51	0.00	5200.84	1270.44	0.00	3930.40
277+50	27750.00	50.00	121.63	24.31	0.00	228.68	49.69	0.00	5429.51	1320.12	0.00	4109.39
278+00	27800.00	50.00	146.10	17.91	0.00	247.90	39.09	0.00	5677.41	1359.22	0.00	4318.20
278+50	27850.00	50.00	138.83	44.77	0.00	263.82	58.04	0.00	5941.24	1417.25	0.00	4523.98
279+00	27900.00	50.00	310.85	0.00	0.00	416.37	41.45	0.00	6357.61	1458.71	0.00	4898.90
279+50	27950.00	50.00	187.23	71.55	0.00	461.19	66.25	0.00	6818.79	1524.96	0.00	5293.84
280+00	28000.00	50.00	167.66	51.59	0.00	328.60	114.02	0.00	7147.39	1638.98	0.00	5508.42
280+50	28050.00	50.00	156.27	22.79	0.00	299.94	68.87	0.00	7447.33	1707.85	0.00	5739.48
281+00	28100.00	50.00	173.39	26.54	0.00	305.24	45.68	0.00	7752.57	1753.52	0.00	5999.05
281+50	28150.00	50.00	171.08	27.26	0.00	318.95	49.81	0.00	8071.52	1803.34	0.00	6268.19
282+00	28200.00	50.00	169.91	28.71	0.00	315.73	51.82	0.00	8387.25	1855.16	0.00	6532.09
282+50	28250.00	50.00	149.90	31.26	0.00	296.12	55.53	0.00	8683.38	1910.69	0.00	6772.69
283+00	28300.00	50.00	134.02	28.06	0.00	262.89	54.93	0.00	8946.26	1965.61	0.00	6980.65
283+50	28350.00	50.00	134.65	17.66	0.00	248.77	42.33	0.00	9195.03	2007.95	0.00	7187.09
284+00	28400.00	50.00	167.77	47.21	0.00	280.02	60.06	0.00	9475.05	2068.01	0.00	7407.04
284+50	28450.00	50.00	147.24	42.49	0.00	291.68	83.06	0.00	9766.73	2151.07	0.00	7615.66
285+00	28500.00	50.00	131.70	29.65	0.00	258.28	66.80	0.00	10025.00	2217.86	0.00	7807.14

(CONTINUED ON NEXT SHEET)

9

(CONTINUED)

Division 2 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
285+50	28550.00	50.00	133.74	16.66	0.00	245.78	42.88	0.00	10270.78	2260.74	0.00	8010.04
286+00	28600.00	50.00	129.90	10.59	0.00	244.11	25.23	0.00	10514.89	2285.98	0.00	8228.92
286+50	28650.00	50.00	118.59	13.10	0.00	230.08	21.94	0.00	10744.98	2307.91	0.00	8437.07
287+00	28700.00	50.00	76.78	14.26	0.00	180.90	25.33	0.00	10925.88	2333.24	0.00	8592.63
287+50	28750.00	50.00	130.89	0.02	0.00	192.29	13.22	0.00	11118.16	2346.47	0.00	8771.70
288+00	28800.00	50.00	120.23	0.01	0.00	232.52	0.03	0.00	11350.68	2346.49	0.00	9004.19
288+50	28850.00	50.00	89.12	0.00	0.00	193.84	0.01	0.00	11544.52	2346.50	0.00	9198.02
289+00	28900.00	50.00	88.35	3.10	0.00	164.32	2.87	0.00	11708.85	2349.37	0.00	9359.47
289+50	28950.00	50.00	198.28	10.36	0.00	265.40	12.46	0.00	11974.25	2361.84	0.00	9612.41
290+00	29000.00	50.00	213.77	7.83	0.00	381.53	16.84	0.00	12355.77	2378.68	0.00	9977.09
290+50	29050.00	50.00	232.35	4.46	0.00	413.07	11.38	0.00	12768.85	2390.06	0.00	10378.79
291+00	29100.00	50.00	236.47	2.04	0.00	434.09	6.02	0.00	13202.94	2396.08	0.00	10806.86
291+50	29150.00	50.00	208.13	0.00	0.00	411.67	1.89	0.00	13614.61	2397.97	0.00	11216.64
292+00	29200.00	50.00	210.79	0.00	0.00	387.89	0.00	0.00	14002.50	2397.97	0.00	11604.53
292+50	29250.00	50.00	222.24	0.00	0.00	400.95	0.00	0.00	14403.45	2397.97	0.00	12005.48
293+00	29300.00	50.00	366.33	0.00	0.00	544.97	0.00	0.00	14948.42	2397.97	0.00	12550.46
293+50	29350.00	50.00	365.45	0.00	0.00	677.57	0.00	0.00	15626.00	2397.97	0.00	13228.03
294+00	29400.00	50.00	342.41	0.00	0.00	655.43	0.00	0.00	16281.42	2397.97	0.00	13883.46
294+50	29450.00	50.00	351.19	0.00	0.00	642.22	0.00	0.00	16923.64	2397.97	0.00	14525.68
295+00	29500.00	50.00	371.57	0.00	0.00	669.22	0.00	0.00	17592.87	2397.97	0.00	15194.90
295+50	29550.00	50.00	411.91	0.00	0.00	725.44	0.00	0.00	18318.31	2397.97	0.00	15920.34
296+00	29600.00	50.00	404.94	0.00	0.00	756.34	0.00	0.00	19074.65	2397.97	0.00	16676.69
296+50	29650.00	50.00	324.59	0.00	0.00	675.49	0.00	0.00	19750.14	2397.97	0.00	17352.18
297+00	29700.00	50.00	269.50	0.00	0.00	550.08	0.00	0.00	20300.23	2397.97	0.00	17902.26
297+50	29750.00	50.00	228.76	0.00	0.00	461.35	0.00	0.00	20761.58	2397.97	0.00	18363.61
298+00	29800.00	50.00	223.38	1.27	0.00	418.65	1.18	0.00	21180.23	2399.14	0.00	18781.09
298+50	29850.00	50.00	276.06	28.72	0.00	462.44	27.77	0.00	21642.67	2426.91	0.00	19215.76
299+00	29900.00	50.00	272.50	28.75	0.00	507.93	53.21	0.00	22150.60	2480.12	0.00	19670.47
299+50	29950.00	50.00	232.34	34.91	0.00	467.44	58.94	0.00	22618.04	2539.07	0.00	20078.97
300+00	30000.00	50.00	232.54	10.05	0.00	430.44	41.63	0.00	23048.49	2580.70	0.00	20467.79
300+50	30050.00	50.00	170.03	7.07	0.00	372.75	15.85	0.00	23421.24	2596.55	0.00	20824.69
301+00	30100.00	50.00	167.94	4.39	0.00	312.94	10.61	0.00	23734.17	2607.16	0.00	21127.01
301+50	30150.00	50.00	315.42	0.00	0.00	447.56	4.06	0.00	24181.73	2611.23	0.00	21570.50
302+00	30200.00	50.00	306.19	0.00	0.00	575.56	0.00	0.00	24757.29	2611.23	0.00	22146.07
302+50	30250.00	50.00	288.45	0.00	0.00	550.59	0.00	0.00	25307.88	2611.23	0.00	22696.66
303+00	30300.00	50.00	224.25	8.71	0.00	474.72	8.06	0.00	25782.61	2619.29	0.00	23163.32
303+50	30350.00	50.00	228.82	33.14	0.00	419.51	38.75	0.00	26202.12	2658.04	0.00	23544.08
304+00	30400.00	50.00	194.37	8.71	0.00	391.84	38.75	0.00	26593.96	2696.79	0.00	23897.17
304+50	30450.00	50.00	150.92	32.73	0.00	319.71	38.37	0.00	26913.67	2735.16	0.00	24178.51
305+00	30500.00	50.00	158.01	46.26	0.00	286.05	73.14	0.00	27199.72	2808.30	0.00	24391.42
305+50	30550.00	50.00	167.94	72.17	0.00	301.81	109.66	0.00	27501.52	2917.96	0.00	24583.57

(CONTINUED ON NEXT SHEET)

9

(CONTINUED)

Division 2 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
306+00	30600.00	50.00	134.92	185.79	0.00	280.43	238.85	0.00	27781.95	3156.81	0.00	24625.14
306+50	30650.00	50.00	145.00	179.93	0.00	259.19	338.63	0.00	28041.13	3495.44	0.00	24545.70
307+00	30700.00	50.00	135.82	147.57	0.00	260.02	303.24	0.00	28301.15	3798.68	0.00	24502.47
307+50	30750.00	50.00	131.48	185.22	0.00	247.50	308.14	0.00	28548.65	4106.82	0.00	24441.84
308+00	30800.00	50.00	130.03	139.08	0.00	242.14	300.28	0.00	28790.79	4407.10	0.00	24383.70
308+50	30850.00	50.00	126.73	140.70	0.00	237.74	259.06	0.00	29028.53	4666.15	0.00	24362.38
309+00	30900.00	50.00	119.39	124.38	0.00	227.89	245.44	0.00	29256.42	4911.60	0.00	24344.83
309+50	30950.00	50.00	116.84	114.05	0.00	218.73	220.77	0.00	29475.15	5132.36	0.00	24342.79
310+00	31000.00	50.00	114.54	122.56	0.00	214.24	219.08	0.00	29689.39	5351.45	0.00	24337.95
310+50	31050.00	50.00	107.84	83.94	0.00	205.91	191.20	0.00	29895.30	5542.65	0.00	24352.65
311+00	31100.00	50.00	107.41	85.85	0.00	199.31	157.21	0.00	30094.61	5699.86	0.00	24394.74
311+50	31150.00	50.00	113.67	87.04	0.00	204.70	160.08	0.00	30299.31	5859.95	0.00	24439.36
312+00	31200.00	50.00	141.48	45.80	0.00	236.25	123.00	0.00	30535.56	5982.95	0.00	24552.61
312+50	31250.00	50.00	207.45	34.55	0.00	323.08	74.40	0.00	30858.64	6057.35	0.00	24801.30
313+00	31300.00	50.00	103.68	53.58	0.00	288.08	81.60	0.00	31146.73	6138.95	0.00	25007.78
313+50	31350.00	50.00	108.94	116.17	0.00	196.87	157.18	0.00	31343.60	6296.12	0.00	25047.47
314+00	31400.00	50.00	115.94	47.97	0.00	208.22	151.98	0.00	31551.82	6448.10	0.00	25103.71
314+50	31450.00	50.00	183.21	48.26	0.00	276.99	89.10	0.00	31828.81	6537.21	0.00	25291.60
315+00	31500.00	50.00	185.88	68.95	0.00	341.75	108.53	0.00	32170.56	6645.73	0.00	25524.83
315+50	31550.00	50.00	167.53	71.15	0.00	327.23	129.72	0.00	32497.79	6775.46	0.00	25722.34
316+00	31600.00	50.00	169.35	77.75	0.00	311.93	137.87	0.00	32809.72	6913.33	0.00	25896.39
316+50	31650.00	50.00	180.10	63.68	0.00	323.56	130.95	0.00	33133.28	7044.28	0.00	26089.00
317+00	31700.00	50.00	190.60	121.19	0.00	343.24	171.18	0.00	33476.52	7215.46	0.00	26261.07
317+50	31750.00	50.00	177.60	136.82	0.00	340.93	238.90	0.00	33817.45	7454.35	0.00	26363.09
318+00	31800.00	50.00	198.32	86.10	0.00	348.07	206.41	0.00	34165.52	7660.76	0.00	26504.76
318+50	31850.00	50.00	196.39	68.46	0.00	365.47	143.11	0.00	34531.00	7803.87	0.00	26727.12
319+00	31900.00	50.00	200.85	72.78	0.00	367.81	130.78	0.00	34898.81	7934.65	0.00	26964.16
319+50	31950.00	50.00	179.08	2.90	0.00	351.79	70.07	0.00	35250.60	8004.73	0.00	27245.87
320+00	32000.00	50.00	176.25	1.17	0.00	329.01	3.77	0.00	35579.61	8008.49	0.00	27571.11
320+50	32050.00	50.00	173.26	1.94	0.00	323.62	2.88	0.00	35903.23	8011.37	0.00	27891.85
321+00	32100.00	50.00	171.18	0.51	0.00	318.93	2.27	0.00	36222.15	8013.64	0.00	28208.51
321+50	32150.00	50.00	178.42	0.07	0.00	323.70	0.54	0.00	36545.86	8014.18	0.00	28531.68
322+00	32200.00	50.00	256.35	3.25	0.00	402.56	3.07	0.00	36948.42	8017.25	0.00	28931.17
322+50	32250.00	50.00	300.27	7.20	0.00	515.39	9.68	0.00	37463.81	8026.93	0.00	29436.88
323+00	32300.00	50.00	329.67	5.00	0.00	583.28	11.30	0.00	38047.09	8038.23	0.00	30008.86
323+50	32350.00	50.00	324.65	9.21	0.00	605.85	13.16	0.00	38652.94	8051.38	0.00	30601.56
324+00	32400.00	50.00	329.67	14.17	0.00	605.85	21.65	0.00	39258.79	8073.03	0.00	31185.76
324+50	32450.00	50.00	324.65	9.21	0.00	605.85	21.65	0.00	39864.64	8094.68	0.00	31769.96
325+00	32500.00	50.00	0.00	0.00	0.00	300.60	8.53	0.00	40165.25	8103.21	0.00	32062.04
325+50	32550.00	50.00	223.04	16.05	0.00	206.52	14.86	0.00	40371.76	8118.07	0.00	32253.70
326+00	32600.00	50.00	208.14	17.06	0.00	399.24	30.66	0.00	40771.00	8148.73	0.00	32622.28

9

(CONTINUED ON NEXT SHEET)

9

(CONTINUED)

Division 2 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
326+50	32650.00	50.00	210.06	14.94	0.00	387.22	29.63	0.00	41158.23	8178.35	0.00	32979.87
327+00	32700.00	50.00	208.14	2.56	0.00	387.22	16.20	0.00	41545.45	8194.56	0.00	33350.89
327+50	32750.00	50.00	210.06	2.77	0.00	387.22	4.94	0.00	41932.67	8199.49	0.00	33733.18
328+00	32800.00	50.00	213.77	2.56	0.00	392.44	4.94	0.00	42325.11	8204.43	0.00	34120.68
328+50	32850.00	50.00	212.53	2.70	0.00	394.72	4.87	0.00	42719.83	8209.30	0.00	34510.53
329+00	32900.00	50.00	207.91	2.77	0.00	389.30	5.06	0.00	43109.13	8214.36	0.00	34894.76
329+50	32950.00	50.00	108.53	5.56	0.00	293.00	7.71	0.00	43402.13	8222.08	0.00	35180.05
330+00	33000.00	50.00	107.14	3.17	0.00	199.69	8.08	0.00	43601.82	8230.16	0.00	35371.66
330+50	33050.00	50.00	96.31	3.34	0.00	188.38	6.03	0.00	43790.20	8236.19	0.00	35554.01
331+00	33100.00	50.00	81.64	7.89	0.00	164.77	10.40	0.00	43954.97	8246.59	0.00	35708.38
331+50	33150.00	50.00	67.74	10.60	0.00	138.31	17.12	0.00	44093.28	8263.71	0.00	35829.58
332+00	33200.00	50.00	64.09	7.67	0.00	122.06	16.92	0.00	44215.35	8280.62	0.00	35934.72
332+50	33250.00	50.00	55.55	7.78	0.00	110.78	14.31	0.00	44326.13	8294.93	0.00	36031.20
333+00	33300.00	50.00	50.35	3.66	0.00	98.06	10.59	0.00	44424.18	8305.52	0.00	36118.66
333+50	33350.00	50.00	43.06	9.35	0.00	86.49	12.05	0.00	44510.67	8317.57	0.00	36193.10
334+00	33400.00	50.00	40.00	3.66	0.00	76.91	12.05	0.00	44587.58	8329.61	0.00	36257.96
334+50	33450.00	50.00	43.20	9.35	0.00	77.04	12.05	0.00	44664.62	8341.66	0.00	36322.96
335+00	33500.00	50.00	45.36	12.07	0.00	82.00	19.83	0.00	44746.62	8361.49	0.00	36385.12
335+50	33550.00	50.00	32.56	12.64	0.00	72.15	22.88	0.00	44818.76	8384.37	0.00	36434.39
336+00	33600.00	50.00	27.90	12.75	0.00	55.98	23.51	0.00	44874.75	8407.88	0.00	36466.86
336+30 BK	33630.00	30.00	37.60	10.20	0.00	36.39	12.75	0.00	44911.13	8420.63	0.00	36490.50
Column totals			44911.13	8420.63	0.00							

Division 2 RAMP NW

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
864+09 AH	86409.00	0.00	48.59	80.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864+50	86450.00	41.00	93.82	48.00	0.00	108.13	97.34	0.00	108.13	97.34	0.00	10.78
865+00	86500.00	50.00	50.37	70.69	0.00	133.51	109.90	0.00	241.64	207.24	0.00	34.39
865+50	86550.00	50.00	46.35	52.89	0.00	89.56	114.43	0.00	331.19	321.67	0.00	9.52
866+00	86600.00	50.00	129.76	56.82	0.00	163.06	101.58	0.00	494.26	423.25	0.00	71.00
866+50	86650.00	50.00	109.30	14.21	0.00	221.35	65.77	0.00	715.61	489.02	0.00	226.59
867+00	86700.00	50.00	89.04	20.79	0.00	183.65	32.41	0.00	899.26	521.43	0.00	377.83
867+50	86750.00	50.00	82.97	41.16	0.00	159.27	57.36	0.00	1058.52	578.79	0.00	479.74
868+00	86800.00	50.00	86.11	28.77	0.00	156.56	64.75	0.00	1215.08	643.54	0.00	571.54
868+50	86850.00	50.00	89.33	24.11	0.00	162.44	48.96	0.00	1377.52	692.50	0.00	685.02
868+51 BK	86851.00	1.00	89.44	24.26	0.00	3.31	0.90	0.00	1380.83	693.40	0.00	687.44
					Column totals	1380.83	693.40	0.00				

Division 2 RAMP SE

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
855+90 AH	85590.00	0.00	75.86	4.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856+00	85600.00	10.00	94.53	7.11	0.00	31.55	2.22	0.00	31.55	2.22	0.00	29.33
856+50	85650.00	50.00	84.28	8.89	0.00	165.56	14.81	0.00	197.12	17.04	0.00	180.08
857+00	85700.00	50.00	120.97	0.61	0.00	190.05	8.80	0.00	387.16	25.83	0.00	361.33
857+50	85750.00	50.00	146.60	0.00	0.00	247.75	0.56	0.00	634.91	26.40	0.00	608.52
858+00	85800.00	50.00	173.13	0.00	0.00	296.05	0.00	0.00	930.96	26.40	0.00	904.56
858+50	85850.00	50.00	215.75	0.00	0.00	360.07	0.00	0.00	1291.04	26.40	0.00	1264.64
859+00	85900.00	50.00	291.28	0.00	0.00	469.47	0.00	0.00	1760.51	26.40	0.00	1734.11
859+50	85950.00	50.00	367.32	0.00	0.00	609.81	0.00	0.00	2370.32	26.40	0.00	2343.92
860+00	86000.00	50.00	439.92	0.00	0.00	747.44	0.00	0.00	3117.77	26.40	0.00	3091.37
860+50 BK	86050.00	50.00	428.16	0.00	0.00	803.78	0.00	0.00	3921.54	26.40	0.00	3895.15
					Column totals	3921.54	26.40	0.00				

Division 2 RAMP SW

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
858+57 AH	85857.00	0.00	167.53	5.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
859+00	85900.00	43.00	174.85	72.74	0.00	272.64	62.06	0.00	272.64	62.06	0.00	210.58
859+50	85950.00	50.00	144.76	83.81	0.00	295.94	144.95	0.00	568.57	207.01	0.00	361.56
860+00	86000.00	50.00	170.10	34.72	0.00	291.54	109.75	0.00	860.11	316.76	0.00	543.35
860+50	86050.00	50.00	194.20	8.26	0.00	337.31	39.80	0.00	1197.42	356.56	0.00	840.87
861+00	86100.00	50.00	227.59	5.52	0.00	390.55	12.76	0.00	1587.97	369.31	0.00	1218.65
861+50	86150.00	50.00	263.77	20.79	0.00	454.96	24.36	0.00	2042.93	393.68	0.00	1649.26
862+00	86200.00	50.00	391.05	0.30	0.00	606.31	19.53	0.00	2649.25	413.20	0.00	2236.04
862+03 BK	86203.33	3.33	403.78	0.27	0.00	49.01	0.04	0.00	2698.26	413.24	0.00	2285.02
					Column totals	2698.26	413.24	0.00				

Division 2 RAMP NE

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
862+11 AH	86210.85	0.00	473.37	70.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
862+50	86250.00	39.15	356.44	47.33	0.00	601.61	85.59	0.00	601.61	85.59	0.00	516.03
863+00	86300.00	50.00	318.14	54.25	0.00	624.61	94.06	0.00	1226.22	179.64	0.00	1046.58
863+50	86350.00	50.00	410.91	2.91	0.00	675.05	52.93	0.00	1901.27	232.57	0.00	1668.70
864+00	86400.00	50.00	399.22	9.24	0.00	750.12	11.25	0.00	2651.39	243.82	0.00	2407.57
864+50	86450.00	50.00	362.04	38.22	0.00	704.87	43.94	0.00	3356.26	287.76	0.00	3068.50
865+00	86500.00	50.00	293.95	61.16	0.00	607.40	92.02	0.00	3963.66	379.78	0.00	3583.88
865+50	86550.00	50.00	246.23	110.78	0.00	500.17	159.20	0.00	4463.83	538.98	0.00	3924.84
866+00	86600.00	50.00	251.95	29.46	0.00	461.28	129.85	0.00	4925.10	668.84	0.00	4256.27
866+50	86650.00	50.00	238.74	42.86	0.00	454.34	66.96	0.00	5379.45	735.80	0.00	4643.65
867+00 BK	86699.60	49.60	173.73	26.15	0.00	378.86	63.39	0.00	5758.31	799.19	0.00	4959.12
					Column totals	5758.31	799.19	0.00				

Division 2 WEST FRONTAGE ROAD

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
2857+00	AH	285700.40	0.00	79.93	11.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2857+50		285750.00	49.60	50.99	40.16	0.00	120.25	47.01	0.00	120.25	47.01	0.00	73.24
2858+00		285800.00	50.00	53.60	38.71	0.00	96.84	73.03	0.00	217.10	120.04	0.00	97.06
2858+50		285850.00	50.00	71.80	23.80	0.00	116.11	57.88	0.00	333.21	177.92	0.00	155.29
2859+00		285900.00	50.00	73.73	27.19	0.00	134.75	47.21	0.00	467.96	225.13	0.00	242.83
2859+50		285950.00	50.00	74.61	19.72	0.00	137.35	43.44	0.00	605.31	268.57	0.00	336.74
2860+00		286000.00	50.00	74.27	16.63	0.00	137.85	33.66	0.00	743.16	302.22	0.00	440.94
2860+50		286050.00	50.00	77.07	16.37	0.00	140.13	30.56	0.00	883.29	332.78	0.00	550.51
2861+00		286100.00	50.00	85.62	5.75	0.00	150.64	20.48	0.00	1033.93	353.26	0.00	680.67
2861+50		286150.00	50.00	92.07	23.33	0.00	164.53	26.93	0.00	1198.46	380.19	0.00	818.27
2862+00		286200.00	50.00	92.17	20.61	0.00	170.59	40.69	0.00	1369.05	420.87	0.00	948.18
2862+50		286250.00	50.00	99.95	15.54	0.00	177.89	33.47	0.00	1546.94	454.34	0.00	1092.59
2863+00		286300.00	50.00	107.89	7.08	0.00	192.44	20.94	0.00	1739.38	475.29	0.00	1264.09
2863+50		286350.00	50.00	146.89	0.54	0.00	235.91	7.06	0.00	1975.29	482.34	0.00	1492.95
2864+00		286400.00	50.00	228.08	0.15	0.00	347.19	0.64	0.00	2322.48	482.98	0.00	1839.50
2864+30	BK	286430.00	30.00	227.59	43.24	0.00	253.15	24.11	0.00	2575.63	507.09	0.00	2068.55
4865+20	AH	486520.00	0.00	137.21	111.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2068.55
4865+50		486550.00	30.00	78.73	51.40	0.00	119.97	90.55	0.00	119.97	90.55	0.00	2097.96
4866+00		486600.00	50.00	53.84	67.89	0.00	122.75	110.45	0.00	242.72	201.00	0.00	2110.26
4866+50		486650.00	50.00	116.57	6.61	0.00	157.79	68.98	0.00	400.50	269.99	0.00	2199.06
4867+00		486700.00	50.00	109.62	28.08	0.00	209.44	32.12	0.00	609.94	302.11	0.00	2376.38
4867+50		486750.00	50.00	131.48	3.13	0.00	223.24	28.90	0.00	833.18	331.00	0.00	2570.72
4868+00	BK	486799.55	49.55	144.81	44.11	0.00	253.52	43.35	0.00	1086.70	374.35	0.00	2780.90
			Column totals				3662.34	881.44	0.00				

Division 2 EAST FRONTAGE ROAD

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
3852+25 AH	385225.40	0.00	86.93	2.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3852+50	385250.00	24.60	83.71	1.86	0.00	77.74	2.05	0.00	77.74	2.05	0.00	75.68
3853+00	385300.00	50.00	73.91	3.30	0.00	145.94	4.78	0.00	223.68	6.83	0.00	216.85
3853+50	385350.00	50.00	69.72	3.54	0.00	132.99	6.33	0.00	356.67	13.17	0.00	343.51
3854+00	385400.00	50.00	73.83	2.04	0.00	132.92	5.17	0.00	489.59	18.33	0.00	471.26
3854+50	385450.00	50.00	79.58	0.00	0.00	142.05	1.89	0.00	631.63	20.22	0.00	611.41
3855+00	385500.00	50.00	88.52	0.00	0.00	155.65	0.00	0.00	787.28	20.22	0.00	767.06
3855+50	385550.00	50.00	130.63	0.00	0.00	202.92	0.00	0.00	990.20	20.22	0.00	969.98
3856+00	385600.00	50.00	120.65	1.04	0.00	232.67	0.96	0.00	1222.87	21.18	0.00	1201.68
3856+50	385650.00	50.00	153.20	0.00	0.00	253.56	0.96	0.00	1476.43	22.15	0.00	1454.28
3857+00	385700.00	50.00	160.13	0.00	0.00	290.12	0.00	0.00	1766.55	22.15	0.00	1744.40
3857+50	385750.00	50.00	180.21	0.00	0.00	315.13	0.00	0.00	2081.68	22.15	0.00	2059.53
3858+00	385800.00	50.00	285.95	23.06	0.00	431.63	21.35	0.00	2513.31	43.50	0.00	2469.81
3858+10 BK	385810.00	10.00	291.36	67.42	0.00	106.91	16.76	0.00	2620.22	60.25	0.00	2559.96
5859+96 AH	585996.00	0.00	334.67	84.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2559.96
5860+00	586000.00	4.00	310.23	76.08	0.00	47.77	11.89	0.00	47.77	11.89	0.00	2595.85
5860+50	586050.00	50.00	195.37	12.86	0.00	468.15	82.35	0.00	515.92	94.24	0.00	2981.64
5861+00	586100.00	50.00	193.35	9.51	0.00	359.93	20.71	0.00	875.84	114.95	0.00	3320.86
5861+50	586150.00	50.00	184.47	6.48	0.00	349.83	14.81	0.00	1225.68	129.76	0.00	3655.88
5862+00	586200.00	50.00	193.32	2.34	0.00	349.81	8.17	0.00	1575.48	137.93	0.00	3997.52
5862+50	586250.00	50.00	164.94	1.43	0.00	331.72	3.49	0.00	1907.21	141.42	0.00	4325.75
5863+00	586300.00	50.00	147.91	12.44	0.00	289.68	12.84	0.00	2196.88	154.26	0.00	4602.59
5863+14 BK	586314.00	14.00	156.15	9.27	0.00	78.83	5.63	0.00	2275.71	159.89	0.00	4675.79
					Column totals	4895.93	220.14	0.00				

Division 2 RED CLOUD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
269+77 AH	26977.10	0.00	116.89	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
269+86	26985.50	8.40	190.52	0.00	0.00	47.82	0.06	0.00	47.82	0.06	0.00	47.76
270+00 BK	27000.00	14.50	193.00	5.09	0.00	102.98	1.37	0.00	150.80	1.43	0.00	149.37
272+00 AH	27200.00	0.00	0.00	401.46	0.00	0.00	0.00	0.00	150.80	1.43	0.00	149.37
272+29	27229.40	29.40	0.00	376.88	0.00	0.00	423.76	0.00	150.80	425.19	0.00	-274.39
272+69 BK	27269.40	40.00	0.00	276.69	0.00	0.00	484.13	0.00	150.80	909.32	0.00	-758.51
		Column totals				150.80	909.32	0.00				

Division 3 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
265+07 AH	26506.70	0.00	125.93	17.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
265+50	26550.00	43.30	279.10	19.05	0.00	324.77	28.95	0.00	324.77	28.95	0.00	295.82
266+00	26600.00	50.00	134.23	18.39	0.00	382.71	34.67	0.00	707.49	63.62	0.00	643.87
266+50	26650.00	50.00	139.58	9.75	0.00	253.53	26.06	0.00	961.01	89.68	0.00	871.34
267+00	26700.00	50.00	137.05	26.96	0.00	256.14	33.99	0.00	1217.15	123.67	0.00	1093.49
267+50	26750.00	50.00	124.01	18.04	0.00	241.72	41.67	0.00	1458.88	165.33	0.00	1293.54
268+00	26800.00	50.00	123.06	37.32	0.00	228.77	51.26	0.00	1687.64	216.59	0.00	1471.05
268+50	26850.00	50.00	132.30	22.20	0.00	236.44	55.11	0.00	1924.09	271.70	0.00	1652.38
269+00	26900.00	50.00	133.40	53.97	0.00	246.02	70.53	0.00	2170.11	342.23	0.00	1827.87
269+50	26950.00	50.00	141.93	45.13	0.00	254.94	91.76	0.00	2425.04	433.99	0.00	1991.05
270+00	27000.00	50.00	151.82	43.40	0.00	271.99	81.97	0.00	2697.03	515.96	0.00	2181.07
270+50	27050.00	50.00	198.31	0.61	0.00	324.19	40.75	0.00	3021.23	556.71	0.00	2464.51
271+00	27100.00	50.00	146.72	0.05	0.00	319.47	0.61	0.00	3340.70	557.33	0.00	2783.37
271+50	27150.00	50.00	138.22	73.21	0.00	263.83	67.83	0.00	3604.53	625.16	0.00	2979.37
272+00	27200.00	50.00	121.88	51.57	0.00	240.83	115.54	0.00	3845.37	740.70	0.00	3104.67
272+50	27250.00	50.00	141.77	67.73	0.00	244.12	110.46	0.00	4089.49	851.16	0.00	3238.33
273+00	27300.00	50.00	145.04	32.37	0.00	265.56	92.69	0.00	4355.05	943.84	0.00	3411.21
273+50	27350.00	50.00	132.32	30.38	0.00	256.81	58.10	0.00	4611.87	1001.95	0.00	3609.92
274+00	27400.00	50.00	140.13	31.01	0.00	252.27	56.84	0.00	4864.14	1058.79	0.00	3805.35
274+50	27450.00	50.00	148.69	39.03	0.00	267.43	64.85	0.00	5131.56	1123.64	0.00	4007.92
275+00	27500.00	50.00	160.48	22.66	0.00	286.27	57.12	0.00	5417.83	1180.76	0.00	4237.07
275+50	27550.00	50.00	180.17	12.33	0.00	315.42	32.40	0.00	5733.25	1213.16	0.00	4520.09
276+00	27600.00	50.00	173.47	5.20	0.00	327.44	16.23	0.00	6060.69	1229.39	0.00	4831.30
276+50	27650.00	50.00	195.74	8.70	0.00	341.86	12.87	0.00	6402.55	1242.26	0.00	5160.29
277+00	27700.00	50.00	190.47	11.05	0.00	357.60	18.29	0.00	6760.15	1260.55	0.00	5499.61
277+50	27750.00	50.00	224.10	4.80	0.00	383.86	14.68	0.00	7144.01	1275.22	0.00	5868.79
278+00	27800.00	50.00	199.89	40.19	0.00	392.58	41.66	0.00	7536.60	1316.88	0.00	6219.72
278+50	27850.00	50.00	422.60	0.00	0.00	576.38	37.21	0.00	8112.98	1354.09	0.00	6758.88
279+00	27900.00	50.00	87.91	111.17	0.00	472.69	102.94	0.00	8585.67	1457.03	0.00	7128.64
279+50	27950.00	50.00	156.44	23.67	0.00	226.25	124.85	0.00	8811.92	1581.88	0.00	7230.04
280+00	28000.00	50.00	170.14	4.49	0.00	302.39	26.07	0.00	9114.31	1607.95	0.00	7506.36
280+50	28050.00	50.00	199.71	34.12	0.00	342.45	35.75	0.00	9456.76	1643.70	0.00	7813.06
281+00	28100.00	50.00	174.51	32.00	0.00	346.50	61.22	0.00	9803.26	1704.93	0.00	8098.34
281+50	28150.00	50.00	167.18	39.59	0.00	316.38	66.29	0.00	10119.64	1771.21	0.00	8348.43
282+00	28200.00	50.00	136.94	34.10	0.00	281.59	68.23	0.00	10401.24	1839.45	0.00	8561.79
282+50	28250.00	50.00	189.28	18.29	0.00	302.06	48.51	0.00	10703.29	1887.95	0.00	8815.34
283+00	28300.00	50.00	215.57	0.00	0.00	374.86	16.94	0.00	11078.15	1904.89	0.00	9173.26
283+50	28350.00	50.00	181.97	73.66	0.00	368.09	68.20	0.00	11446.25	1973.09	0.00	9473.15
284+00	28400.00	50.00	145.14	21.77	0.00	302.88	88.36	0.00	11749.13	2061.45	0.00	9687.67
284+50	28450.00	50.00	161.16	5.75	0.00	283.61	25.48	0.00	12032.74	2086.94	0.00	9945.80
285+00	28500.00	50.00	191.54	0.42	0.00	326.57	5.71	0.00	12359.31	2092.65	0.00	10266.66

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 3 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
285+50	28550.00	50.00	200.26	26.12	0.00	362.78	24.57	0.00	12722.09	2117.22	0.00	10604.87
286+00	28600.00	50.00	186.66	44.64	0.00	358.26	65.52	0.00	13080.35	2182.74	0.00	10897.61
286+50	28650.00	50.00	123.97	0.07	0.00	287.62	41.40	0.00	13367.97	2224.14	0.00	11143.83
287+00	28700.00	50.00	190.66	1.10	0.00	291.32	1.08	0.00	13659.29	2225.22	0.00	11434.07
287+50	28750.00	50.00	138.42	0.00	0.00	304.70	1.02	0.00	13964.00	2226.24	0.00	11737.75
288+00	28800.00	50.00	162.94	0.00	0.00	279.04	0.00	0.00	14243.03	2226.24	0.00	12016.79
288+50	28850.00	50.00	275.17	0.63	0.00	405.66	0.58	0.00	14648.69	2226.83	0.00	12421.87
289+00	28900.00	50.00	385.97	11.45	0.00	612.17	11.19	0.00	15260.86	2238.01	0.00	13022.85
289+50	28950.00	50.00	357.19	0.00	0.00	688.11	10.60	0.00	15948.97	2248.61	0.00	13700.36
290+00	29000.00	50.00	434.77	0.20	0.00	733.30	0.19	0.00	16682.26	2248.80	0.00	14433.47
290+50	29050.00	50.00	459.53	0.00	0.00	828.06	0.19	0.00	17510.32	2248.98	0.00	15261.34
291+00	29100.00	50.00	437.75	0.00	0.00	830.81	0.00	0.00	18341.14	2248.98	0.00	16092.15
291+50	29150.00	50.00	432.18	2.90	0.00	805.49	2.69	0.00	19146.63	2251.67	0.00	16894.96
292+00	29200.00	50.00	366.76	0.00	0.00	739.76	2.69	0.00	19886.39	2254.35	0.00	17632.03
292+50	29250.00	50.00	422.91	59.25	0.00	731.18	54.86	0.00	20617.56	2309.21	0.00	18308.35
293+00	29300.00	50.00	377.03	0.01	0.00	740.69	54.87	0.00	21358.25	2364.08	0.00	18994.16
293+50	29350.00	50.00	377.91	0.01	0.00	699.02	0.02	0.00	22057.26	2364.10	0.00	19693.16
294+00	29400.00	50.00	400.95	0.01	0.00	721.17	0.02	0.00	22778.43	2364.12	0.00	20414.31
294+50	29450.00	50.00	392.17	0.01	0.00	734.37	0.02	0.00	23512.80	2364.14	0.00	21148.66
295+00	29500.00	50.00	371.79	0.01	0.00	707.37	0.02	0.00	24220.17	2364.16	0.00	21856.01
295+50	29550.00	50.00	331.45	0.01	0.00	651.15	0.02	0.00	24871.32	2364.18	0.00	22507.14
296+00	29600.00	50.00	227.11	1.29	0.00	517.19	1.20	0.00	25388.51	2365.38	0.00	23023.12
296+50	29650.00	50.00	221.78	0.00	0.00	415.64	1.19	0.00	25804.14	2366.58	0.00	23437.57
297+00	29700.00	50.00	216.08	0.00	0.00	405.43	0.00	0.00	26209.57	2366.58	0.00	23843.00
297+50	29750.00	50.00	228.74	3.32	0.00	411.87	3.07	0.00	26621.44	2369.65	0.00	24251.79
298+00	29800.00	50.00	313.68	33.34	0.00	502.24	33.94	0.00	27123.68	2403.59	0.00	24720.09
298+50	29850.00	50.00	272.59	0.03	0.00	542.84	30.90	0.00	27666.52	2434.49	0.00	25232.03
299+00	29900.00	50.00	276.45	6.16	0.00	508.37	5.73	0.00	28174.89	2440.22	0.00	25734.67
299+50	29950.00	50.00	304.75	0.98	0.00	538.15	6.61	0.00	28713.04	2446.83	0.00	26266.21
300+00	30000.00	50.00	284.19	0.00	0.00	545.31	0.91	0.00	29258.36	2447.74	0.00	26810.62
300+50	30050.00	50.00	332.45	0.00	0.00	570.96	0.00	0.00	29829.32	2447.74	0.00	27381.58
301+00	30100.00	50.00	301.91	0.00	0.00	587.37	0.00	0.00	30416.69	2447.74	0.00	27968.95
301+50	30150.00	50.00	128.34	16.84	0.00	398.38	15.59	0.00	30815.07	2463.33	0.00	28351.74
302+00	30200.00	50.00	94.32	0.02	0.00	206.17	15.61	0.00	31021.24	2478.95	0.00	28542.29
302+50	30250.00	50.00	212.83	0.00	0.00	284.40	0.02	0.00	31305.64	2478.96	0.00	28826.67
303+00	30300.00	50.00	269.78	0.52	0.00	446.86	0.48	0.00	31752.50	2479.45	0.00	29273.05
303+50	30350.00	50.00	235.61	1.42	0.00	467.95	1.80	0.00	32220.45	2481.24	0.00	29739.21
304+00	30400.00	50.00	175.01	0.00	0.00	380.20	1.31	0.00	32600.65	2482.56	0.00	30118.10

(CONTINUED ON NEXT SHEET)

9

(CONTINUED)

Division 3 STH 20

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
304+50	30450.00	50.00	204.81	0.00	0.00	351.69	0.00	0.00	32952.34	2482.56	0.00	30469.78
305+00	30500.00	50.00	196.05	29.77	0.00	371.17	27.56	0.00	33323.51	2510.12	0.00	30813.38
305+50	30550.00	50.00	181.89	0.00	0.00	349.94	27.56	0.00	33673.45	2537.69	0.00	31135.76
306+00	30600.00	50.00	180.67	0.00	0.00	335.70	0.00	0.00	34009.15	2537.69	0.00	31471.47
306+50	30650.00	50.00	184.15	0.90	0.00	337.80	0.83	0.00	34346.95	2538.52	0.00	31808.43
307+00	30700.00	50.00	170.47	0.00	0.00	328.35	0.83	0.00	34675.30	2539.35	0.00	32135.95
307+50	30750.00	50.00	156.93	0.00	0.00	303.15	0.00	0.00	34978.45	2539.35	0.00	32439.10
308+00	30800.00	50.00	148.01	66.49	0.00	282.35	61.56	0.00	35260.80	2600.92	0.00	32659.88
308+50	30850.00	50.00	149.35	82.74	0.00	275.33	138.18	0.00	35536.14	2739.09	0.00	32797.04
309+00	30900.00	50.00	176.24	91.73	0.00	301.47	161.55	0.00	35837.61	2900.64	0.00	32936.97
309+50	30950.00	50.00	210.15	105.45	0.00	357.77	182.57	0.00	36195.38	3083.21	0.00	33112.16
310+00	31000.00	50.00	202.67	76.09	0.00	382.24	168.09	0.00	36577.62	3251.31	0.00	33326.31
310+50	31050.00	50.00	178.85	102.99	0.00	353.26	165.81	0.00	36930.88	3417.12	0.00	33513.75
311+00	31100.00	50.00	147.37	117.13	0.00	302.06	203.81	0.00	37232.93	3620.94	0.00	33612.00
311+50	31150.00	50.00	116.48	130.61	0.00	244.31	229.39	0.00	37477.24	3850.33	0.00	33626.91
312+00	31200.00	50.00	85.14	179.39	0.00	186.69	287.04	0.00	37663.92	4137.36	0.00	33526.56
312+50	31250.00	50.00	33.16	195.30	0.00	109.54	346.94	0.00	37773.46	4484.30	0.00	33289.16
313+00	31300.00	50.00	169.63	129.16	0.00	187.77	300.43	0.00	37961.23	4784.72	0.00	33176.50
313+50	31350.00	50.00	230.36	45.43	0.00	370.36	161.66	0.00	38331.59	4946.38	0.00	33385.21
314+00	31400.00	50.00	133.87	83.63	0.00	337.25	119.50	0.00	38668.84	5065.88	0.00	33602.96
314+50	31450.00	50.00	116.07	0.00	0.00	231.43	77.44	0.00	38900.26	5143.32	0.00	33756.95
315+00	31500.00	50.00	76.72	39.73	0.00	178.51	36.79	0.00	39078.77	5180.10	0.00	33898.67
315+50	31550.00	50.00	160.82	14.09	0.00	219.94	49.83	0.00	39298.72	5229.94	0.00	34068.78
316+00	31600.00	50.00	166.55	22.55	0.00	303.12	33.93	0.00	39601.84	5263.86	0.00	34337.98
316+50	31650.00	50.00	163.59	64.70	0.00	305.69	80.79	0.00	39907.52	5344.65	0.00	34562.87
317+00	31700.00	50.00	170.38	20.49	0.00	309.23	78.88	0.00	40216.76	5423.53	0.00	34793.23
317+50	31750.00	50.00	201.31	0.00	0.00	344.16	18.97	0.00	40560.91	5442.50	0.00	35118.41
318+00	31800.00	50.00	264.80	42.47	0.00	431.58	39.32	0.00	40992.50	5481.83	0.00	35510.67
318+50	31850.00	50.00	224.03	152.36	0.00	452.62	180.40	0.00	41445.12	5662.22	0.00	35782.89
319+00	31900.00	50.00	168.95	58.08	0.00	363.87	194.85	0.00	41808.99	5857.08	0.00	35951.91
319+50	31950.00	50.00	346.74	66.08	0.00	477.49	114.96	0.00	42286.48	5972.04	0.00	36314.44
320+00	32000.00	50.00	215.54	124.22	0.00	520.63	176.20	0.00	42807.11	6148.24	0.00	36658.87
320+50	32050.00	50.00	210.77	38.71	0.00	394.73	150.86	0.00	43201.84	6299.10	0.00	36902.74
321+00	32100.00	50.00	207.31	31.19	0.00	387.11	64.72	0.00	43588.95	6363.83	0.00	37225.12
321+50	32150.00	50.00	145.15	2.28	0.00	326.35	30.99	0.00	43915.30	6394.82	0.00	37520.49
322+00	32200.00	50.00	65.32	0.00	0.00	194.88	2.11	0.00	44110.18	6396.93	0.00	37713.25
322+50	32250.00	50.00	30.61	0.00	0.00	88.82	0.00	0.00	44199.01	6396.93	0.00	37802.08
323+00	32300.00	50.00	124.80	5.63	0.00	143.90	5.21	0.00	44342.90	6402.14	0.00	37940.76
323+50	32350.00	50.00	146.88	0.00	0.00	251.56	5.21	0.00	44594.46	6407.35	0.00	38187.11
324+00	32400.00	50.00	0.00	0.00	0.00	136.00	0.00	0.00	44730.46	6407.35	0.00	38323.11
324+50	32450.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	44730.46	6407.35	0.00	38323.11
325+00	32500.00	50.00	351.16	14.17	0.00	325.15	13.12	0.00	45055.61	6420.47	0.00	38635.13
325+50	32550.00	50.00	105.82	2.15	0.00	423.13	15.11	0.00	45478.74	6435.58	0.00	39043.15
326+00	32600.00	50.00	79.19	0.00	0.00	171.31	1.99	0.00	45650.04	6437.58	0.00	39212.47

(CONTINUED ON NEXT SHEET)

(CONTINUED)

Division 3 STH 20

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
326+50		32650.00	50.00	12.98	1.11	0.00	85.34	1.03	0.00	45735.39	6438.60	0.00	39296.78
327+00		32700.00	50.00	0.00	14.50	0.00	12.02	14.45	0.00	45747.40	6453.06	0.00	39294.35
327+50		32750.00	50.00	0.00	12.17	0.00	0.00	24.69	0.00	45747.40	6477.75	0.00	39269.65
328+00		32800.00	50.00	0.00	0.00	0.00	0.00	11.27	0.00	45747.40	6489.02	0.00	39258.38
328+50		32850.00	50.00	65.56	0.07	0.00	60.70	0.06	0.00	45808.11	6489.08	0.00	39319.02
329+00		32900.00	50.00	30.39	0.43	0.00	88.84	0.46	0.00	45896.95	6489.55	0.00	39407.40
329+50		32950.00	50.00	104.00	0.00	0.00	124.44	0.40	0.00	46021.39	6489.95	0.00	39531.44
330+00		33000.00	50.00	100.77	3.11	0.00	189.60	2.88	0.00	46210.99	6492.83	0.00	39718.16
330+50		33050.00	50.00	12.22	2.22	0.00	104.62	4.94	0.00	46315.61	6497.76	0.00	39817.85
331+00		33100.00	50.00	25.50	0.09	0.00	34.93	2.14	0.00	46350.53	6499.90	0.00	39850.63
331+50		33150.00	50.00	28.57	0.00	0.00	50.06	0.08	0.00	46400.60	6499.98	0.00	39900.62
332+00		33200.00	50.00	17.55	0.22	0.00	42.70	0.20	0.00	46443.30	6500.19	0.00	39943.12
332+50		33250.00	50.00	12.19	2.82	0.00	27.54	2.81	0.00	46470.84	6503.00	0.00	39967.84
333+00		33300.00	50.00	13.74	4.01	0.00	24.01	6.32	0.00	46494.85	6509.33	0.00	39985.52
333+50		33350.00	50.00	12.49	0.00	0.00	24.29	3.71	0.00	46519.14	6513.04	0.00	40006.10
334+00		33400.00	50.00	10.35	0.00	0.00	21.15	0.00	0.00	46540.28	6513.04	0.00	40027.25
334+50		33450.00	50.00	0.00	0.00	0.00	9.58	0.00	0.00	46549.87	6513.04	0.00	40036.83
335+00		33500.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	46549.87	6513.04	0.00	40036.83
335+50		33550.00	50.00	10.64	0.00	0.00	9.85	0.00	0.00	46559.72	6513.04	0.00	40046.68
336+00		33600.00	50.00	17.46	0.00	0.00	26.02	0.00	0.00	46585.74	6513.04	0.00	40072.70
336+30	BK	33630.00	30.00	8.02	2.44	0.00	14.16	1.36	0.00	46599.89	6514.39	0.00	40085.50
Column totals							46599.89	6514.39	0.00				

Division 3 RAMP NW

STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
864+09 AH	86409.00	0.00	81.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
864+50	86450.00	41.00	79.90	0.00	0.00	122.31	0.00	0.00	122.31	0.00	0.00	122.31
865+00	86500.00	50.00	64.00	0.00	0.00	133.24	0.00	0.00	255.55	0.00	0.00	255.55
865+50	86550.00	50.00	64.00	0.00	0.00	118.52	0.00	0.00	374.07	0.00	0.00	374.07
866+00	86600.00	50.00	64.00	0.00	0.00	118.52	0.00	0.00	492.59	0.00	0.00	492.59
866+50	86650.00	50.00	64.00	0.00	0.00	118.52	0.00	0.00	611.11	0.00	0.00	611.11
867+00	86700.00	50.00	64.00	0.00	0.00	118.52	0.00	0.00	729.62	0.00	0.00	729.62
867+50	86750.00	50.00	58.29	2.80	0.00	113.23	2.59	0.00	842.86	2.59	0.00	840.26
868+00	86800.00	50.00	68.75	6.98	0.00	117.63	9.06	0.00	960.49	11.65	0.00	948.84
868+50	86850.00	50.00	79.14	0.00	0.00	136.94	6.46	0.00	1097.42	18.11	0.00	1079.31
868+51 BK	86851.00	1.00	79.28	0.00	0.00	2.93	0.00	0.00	1100.35	18.11	0.00	1082.24
					Column totals	1100.35	18.11	0.00				

Division 3 RAMP SE

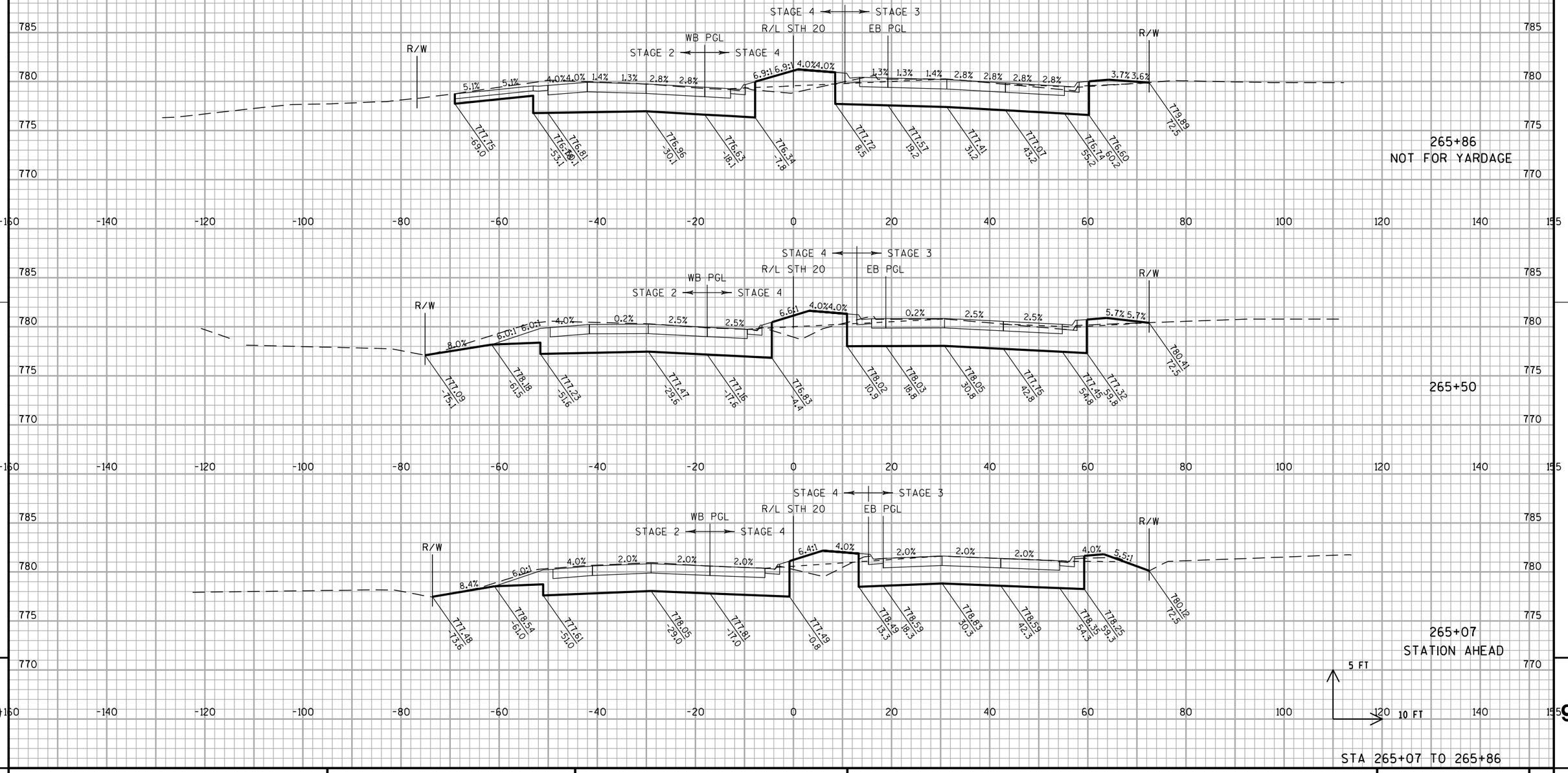
STATION	Real Station	Distance	AREA (SF)			Incremental Vol (CY) (Unadjusted)			Cumulative Vol (CY)			Mass Ordinate
			Cut	Fill	EBS	Cut	Fill	EBS	Cut	Fill	EBS	
855+90 AH	85590.00	0.00	46.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
856+00	85600.00	10.00	31.56	0.00	0.00	14.53	0.00	0.00	14.53	0.00	0.00	14.53
856+50	85650.00	50.00	69.73	0.00	0.00	93.79	0.00	0.00	108.31	0.00	0.00	108.31
857+00	85700.00	50.00	86.02	0.00	0.00	144.21	0.00	0.00	252.53	0.00	0.00	252.53
857+50	85750.00	50.00	100.05	0.00	0.00	172.29	0.00	0.00	424.81	0.00	0.00	424.81
858+00	85800.00	50.00	121.86	0.00	0.00	205.47	0.00	0.00	630.29	0.00	0.00	630.29
858+50	85850.00	50.00	137.55	0.00	0.00	240.19	0.00	0.00	870.48	0.00	0.00	870.48
859+00	85900.00	50.00	153.98	0.00	0.00	269.94	0.00	0.00	1140.42	0.00	0.00	1140.42
859+50	85950.00	50.00	146.64	0.00	0.00	278.35	0.00	0.00	1418.77	0.00	0.00	1418.77
860+00	86000.00	50.00	128.92	0.00	0.00	255.15	0.00	0.00	1673.92	0.00	0.00	1673.92
860+50 BK	86050.00	50.00	205.37	0.00	0.00	309.53	0.00	0.00	1983.44	0.00	0.00	1983.44
					Column totals	1983.44	0.00	0.00				

Division 3 WEST FRONTAGE ROAD

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
2857+00	AH	285700.40	0.00	95.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2857+50		285750.00	49.60	87.68	0.49	0.00	167.85	0.45	0.00	167.85	0.45	0.00	167.40
2858+00		285800.00	50.00	80.36	27.38	0.00	155.59	25.81	0.00	323.44	26.26	0.00	297.19
2858+50		285850.00	50.00	72.02	37.31	0.00	141.09	59.90	0.00	464.54	86.15	0.00	378.38
2859+00		285900.00	50.00	141.02	0.00	0.00	197.26	34.55	0.00	661.79	120.70	0.00	541.09
2859+50		285950.00	50.00	95.54	20.34	0.00	219.04	18.83	0.00	880.83	139.53	0.00	741.30
2860+00		286000.00	50.00	86.94	33.34	0.00	168.96	49.70	0.00	1049.79	189.24	0.00	860.56
2860+50		286050.00	50.00	168.31	0.00	0.00	236.34	30.87	0.00	1286.14	220.11	0.00	1066.03
2861+00		286100.00	50.00	92.08	11.97	0.00	241.10	11.08	0.00	1527.24	231.19	0.00	1296.05
2861+50		286150.00	50.00	99.83	8.20	0.00	177.69	18.68	0.00	1704.93	249.87	0.00	1455.07
2862+00		286200.00	50.00	158.60	0.00	0.00	239.29	7.59	0.00	1944.22	257.46	0.00	1686.76
2862+50		286250.00	50.00	183.59	0.00	0.00	316.84	0.00	0.00	2261.06	257.46	0.00	2003.60
2863+00		286300.00	50.00	199.86	0.00	0.00	355.05	0.00	0.00	2616.11	257.46	0.00	2358.65
2863+50		286350.00	50.00	250.14	0.00	0.00	416.67	0.00	0.00	3032.78	257.46	0.00	2775.32
2864+00		286400.00	50.00	365.20	0.00	0.00	569.76	0.00	0.00	3602.54	257.46	0.00	3345.08
2864+30	BK	286430.00	30.00	333.13	3.23	0.00	387.96	1.79	0.00	3990.50	259.25	0.00	3731.24
4865+20	AH	486520.00	0.00	44.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3731.24
4865+50		486550.00	30.00	59.28	0.00	0.00	57.60	0.00	0.00	57.60	0.00	0.00	3788.84
4866+00		486600.00	50.00	62.81	0.00	0.00	113.05	0.00	0.00	170.65	0.00	0.00	3901.89
4866+50		486650.00	50.00	68.37	0.00	0.00	121.46	0.00	0.00	292.11	0.00	0.00	4023.35
4867+00		486700.00	50.00	79.08	0.00	0.00	136.53	0.00	0.00	428.64	0.00	0.00	4159.88
4867+50		486750.00	50.00	84.11	0.00	0.00	151.10	0.00	0.00	579.74	0.00	0.00	4310.98
4868+00	BK	486799.55	49.55	48.53	0.00	0.00	121.71	0.00	0.00	701.45	0.00	0.00	4432.69
			Column totals				4691.94	259.25	0.00				

Division 3 EAST FRONTAGE ROAD

STATION	Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Cumulative Vol (CY) EBS	Mass Ordinate
3852+25 AH	385225.40	0.00	154.32	10.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3852+50	385250.00	24.60	163.16	2.58	0.00	144.63	6.02	0.00	144.63	6.02	0.00	138.61
3853+00	385300.00	50.00	158.44	0.00	0.00	297.78	2.39	0.00	442.41	8.41	0.00	434.00
3853+50	385350.00	50.00	148.13	0.00	0.00	283.86	0.00	0.00	726.27	8.41	0.00	717.86
3854+00	385400.00	50.00	164.26	0.00	0.00	289.25	0.00	0.00	1015.52	8.41	0.00	1007.11
3854+50	385450.00	50.00	171.24	0.00	0.00	310.65	0.00	0.00	1326.17	8.41	0.00	1317.76
3855+00	385500.00	50.00	165.27	1.37	0.00	311.58	1.27	0.00	1637.75	9.68	0.00	1628.07
3855+50	385550.00	50.00	143.49	2.39	0.00	285.89	3.48	0.00	1923.64	13.16	0.00	1910.48
3856+00	385600.00	50.00	149.38	0.20	0.00	271.18	2.40	0.00	2194.81	15.56	0.00	2179.26
3856+50	385650.00	50.00	163.94	0.23	0.00	290.11	0.40	0.00	2484.93	15.96	0.00	2468.97
3857+00	385700.00	50.00	188.42	3.61	0.00	326.26	3.56	0.00	2811.19	19.51	0.00	2791.67
3857+50	385750.00	50.00	194.38	8.40	0.00	354.44	11.12	0.00	3165.63	30.63	0.00	3135.00
3858+00	385800.00	50.00	309.39	14.18	0.00	466.45	20.91	0.00	3632.08	51.54	0.00	3580.54
3858+10 BK	385810.00	10.00	334.25	28.20	0.00	119.19	7.85	0.00	3751.28	59.39	0.00	3691.89
5859+96 AH	585996.00	0.00	149.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3691.89
5860+00	586000.00	4.00	150.72	0.00	0.00	22.22	0.00	0.00	22.22	0.00	0.00	3714.10
5860+50	586050.00	50.00	153.32	0.00	0.00	281.52	0.00	0.00	303.73	0.00	0.00	3995.62
5861+00	586100.00	50.00	164.34	0.00	0.00	294.13	0.00	0.00	597.86	0.00	0.00	4289.75
5861+50	586150.00	50.00	167.43	0.00	0.00	307.19	0.00	0.00	905.06	0.00	0.00	4596.95
5862+00	586200.00	50.00	149.04	0.00	0.00	293.03	0.00	0.00	1198.09	0.00	0.00	4889.97
5862+50	586250.00	50.00	147.58	0.00	0.00	274.65	0.00	0.00	1472.73	0.00	0.00	5164.62
5863+00	586300.00	50.00	135.04	0.00	0.00	261.69	0.00	0.00	1734.42	0.00	0.00	5426.31
5863+14 BK	586314.00	14.00	124.68	0.00	0.00	67.33	0.00	0.00	1801.75	0.00	0.00	5493.64
		Column totals				5553.03	59.39	0.00				



9

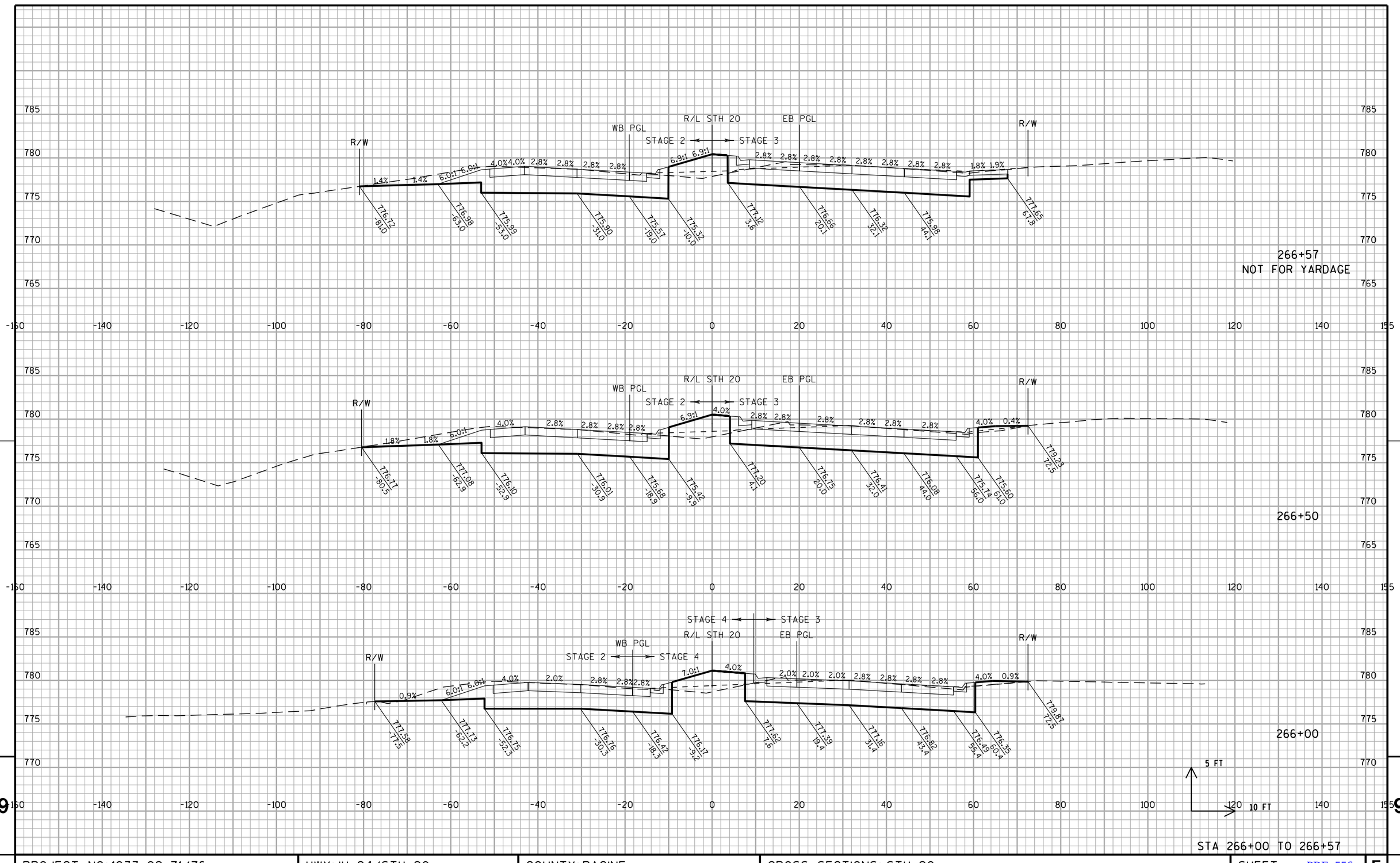
9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_555	E

STA 265+07 TO 265+86

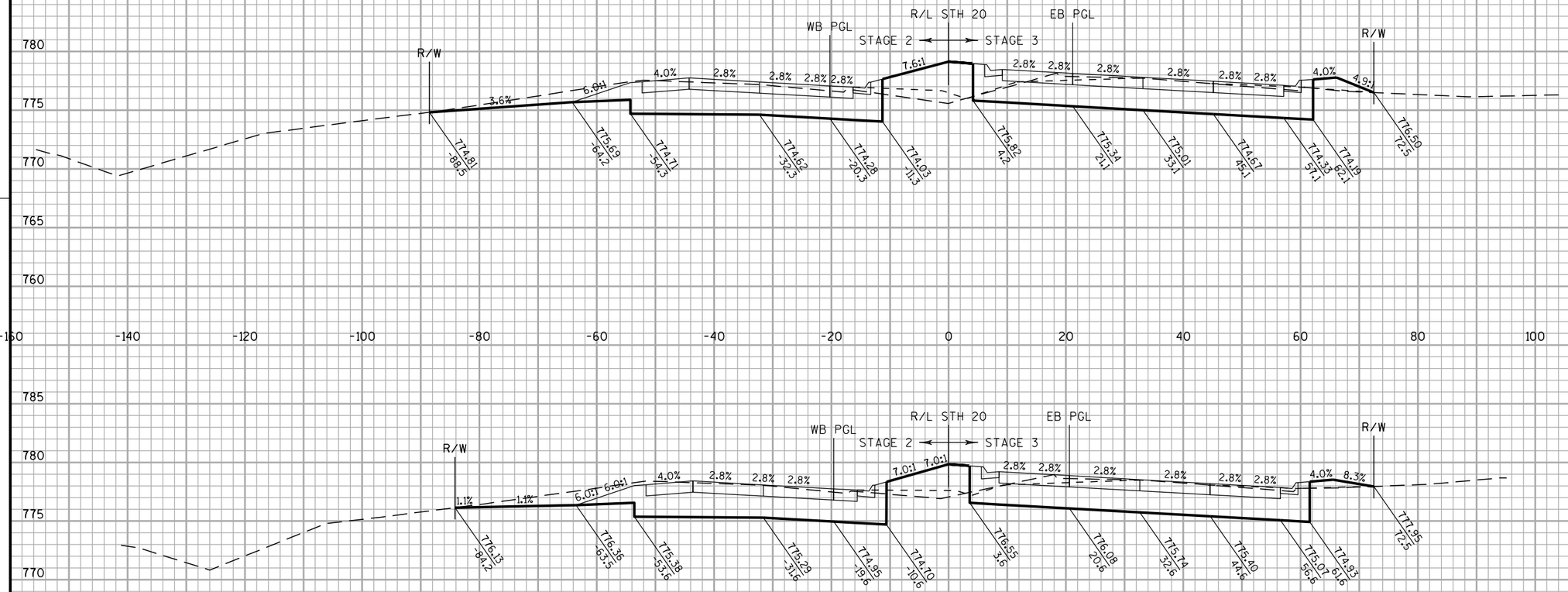
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth20 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_556	E

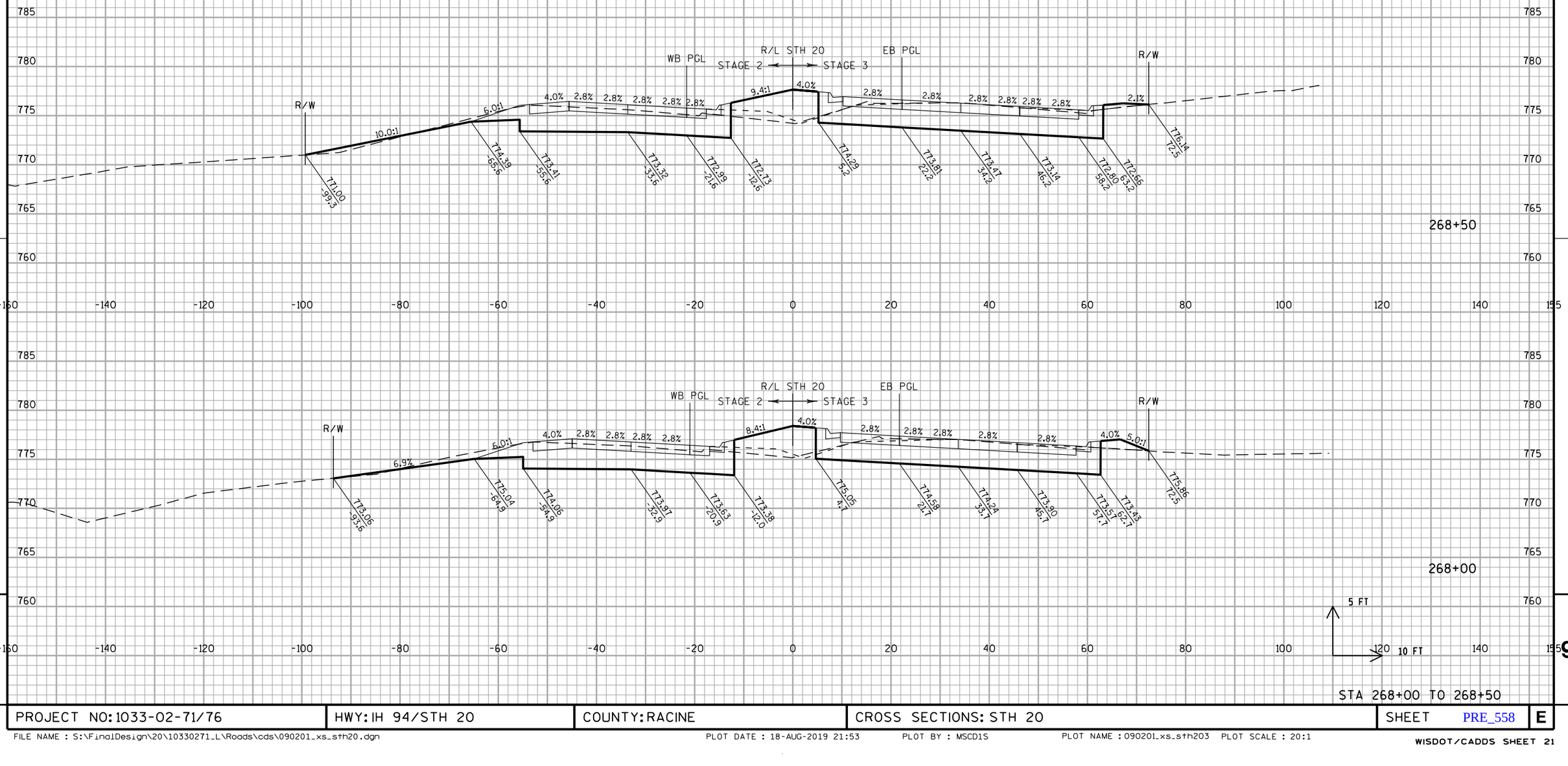
STA 266+00 TO 266+57



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_557	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth202 PLOT SCALE : 20:1

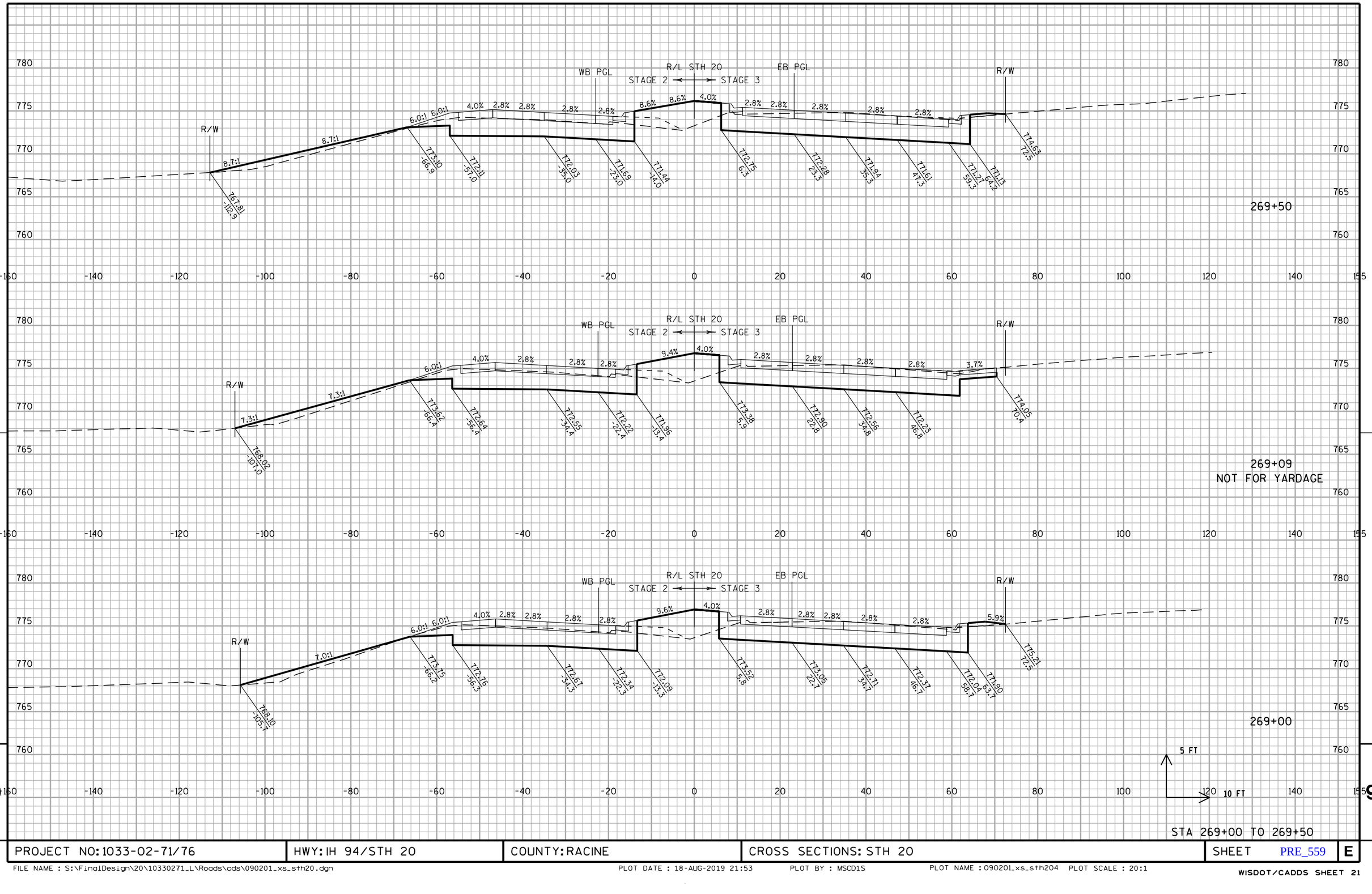
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_558	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth203 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

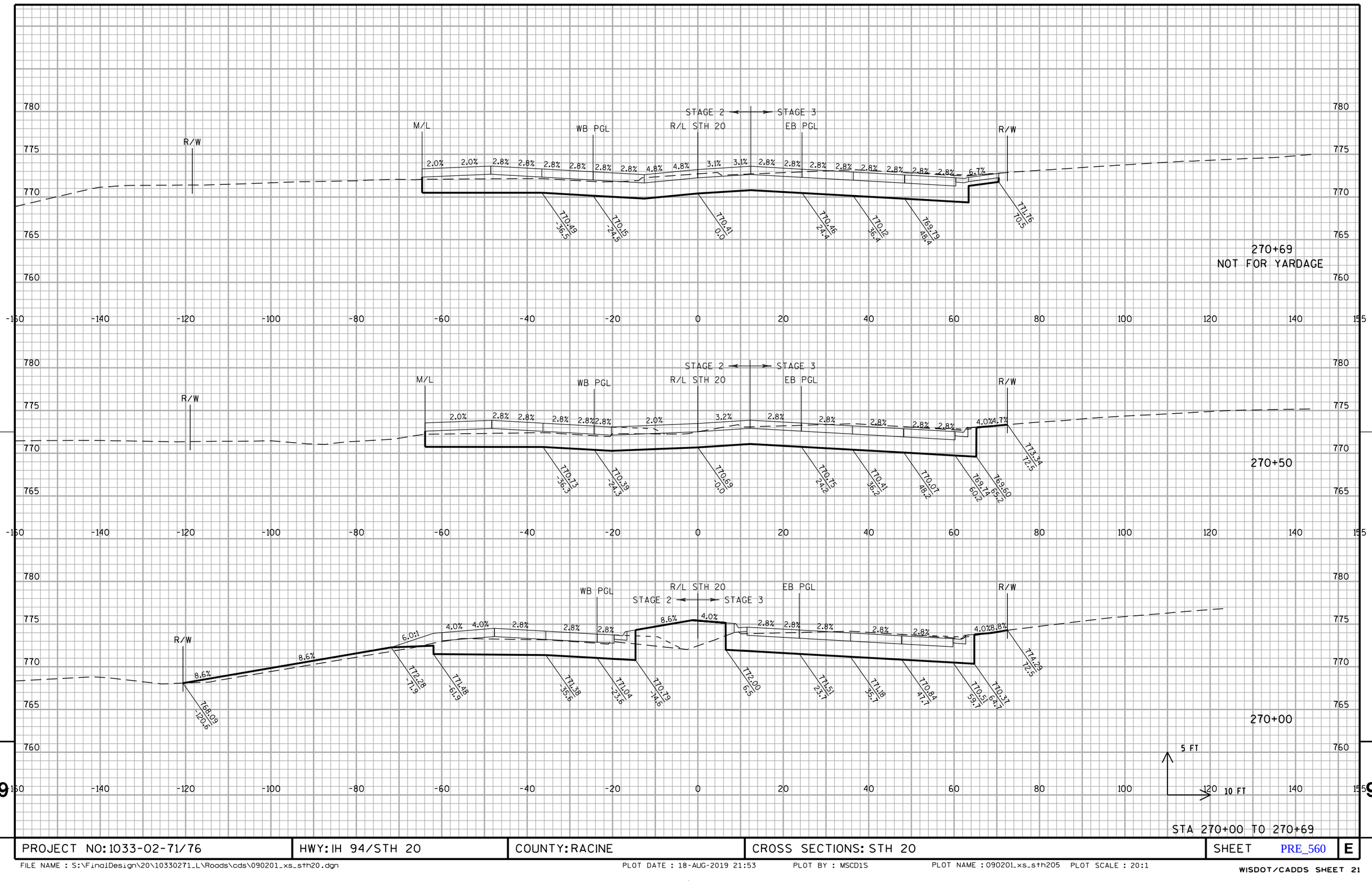


STA 269+00 TO 269+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_559	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth204 PLOT SCALE : 20:1

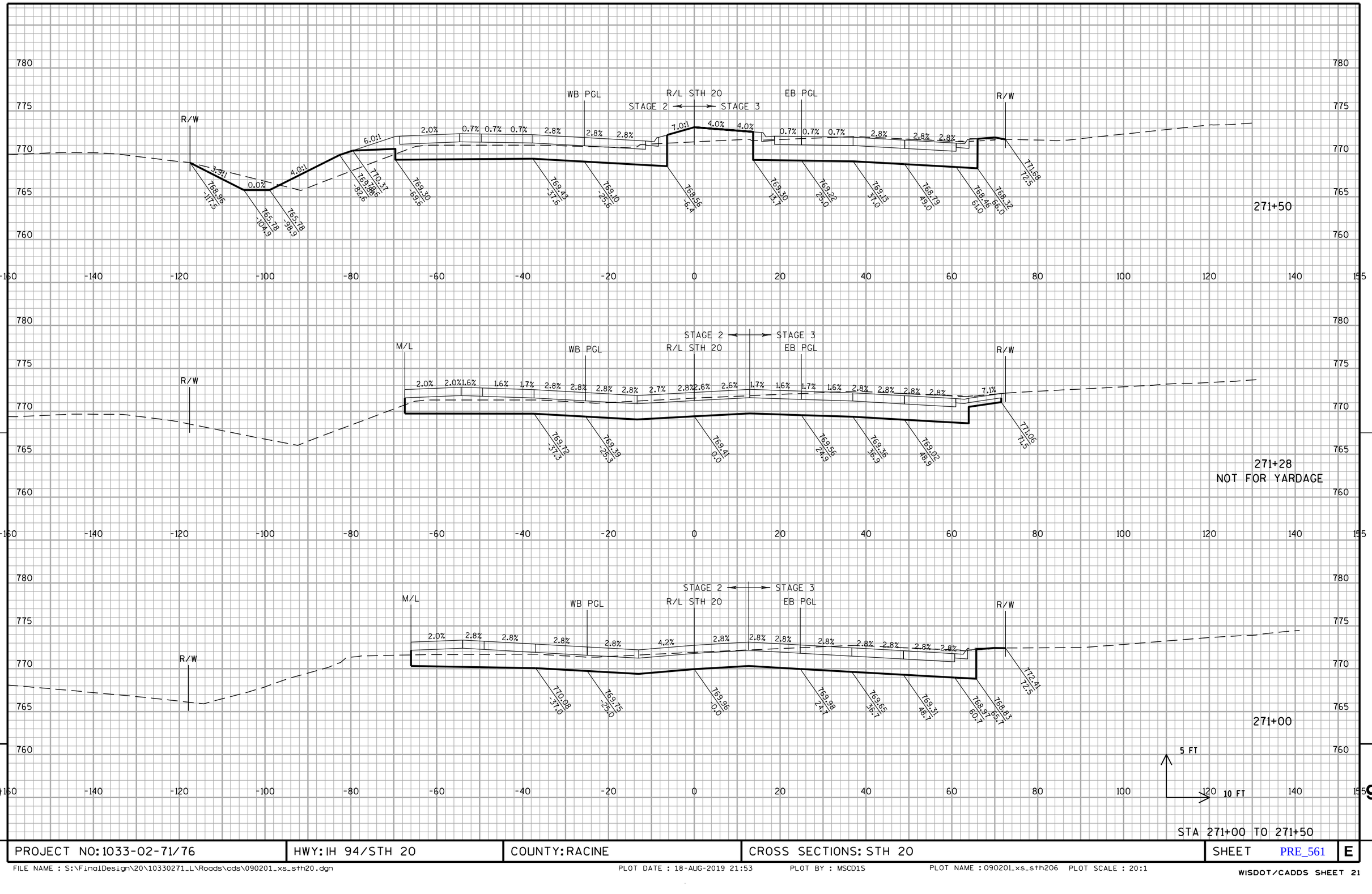
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_560	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth205 PLOT SCALE : 20:1

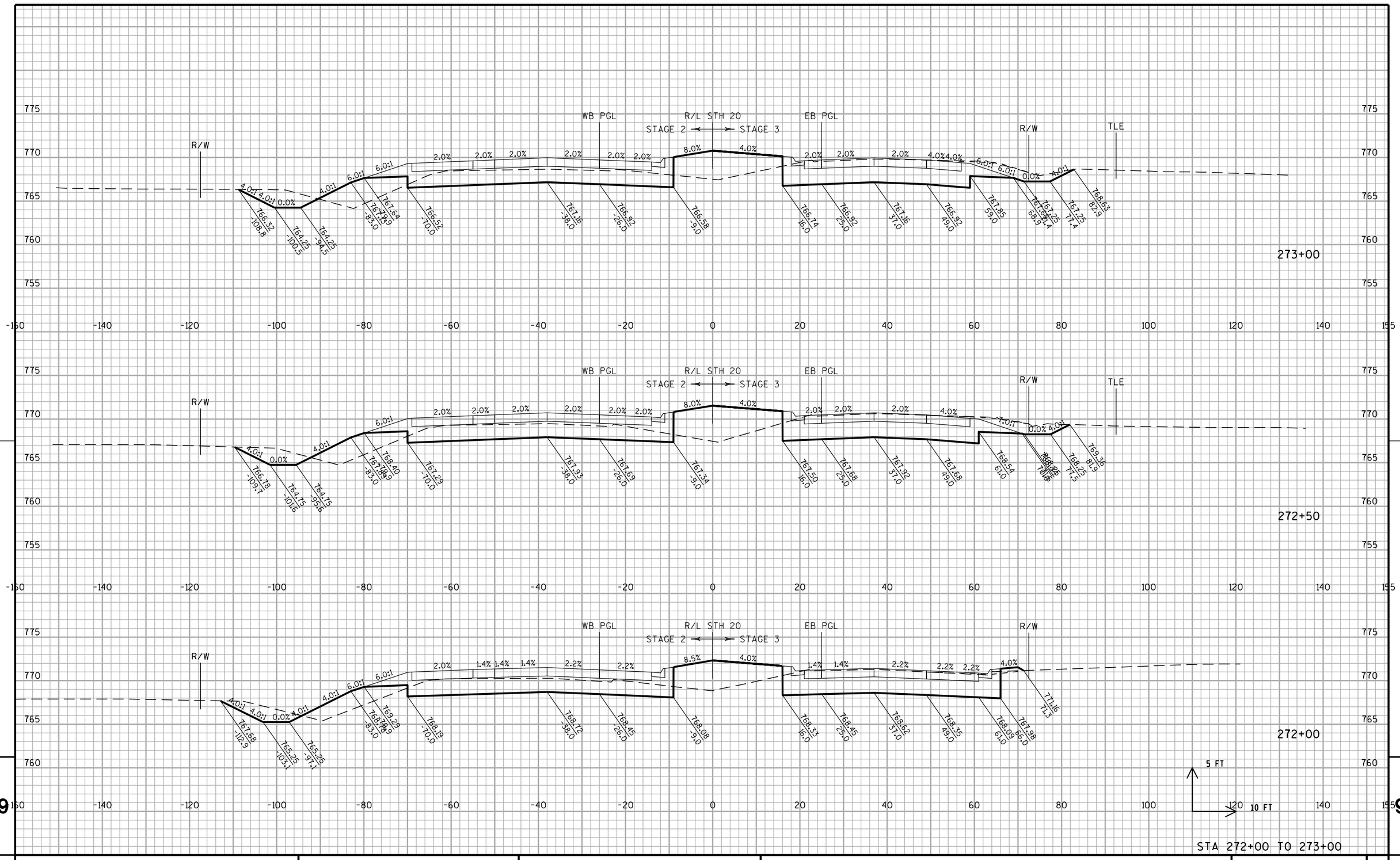
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_561	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth206 PLOT SCALE : 20:1

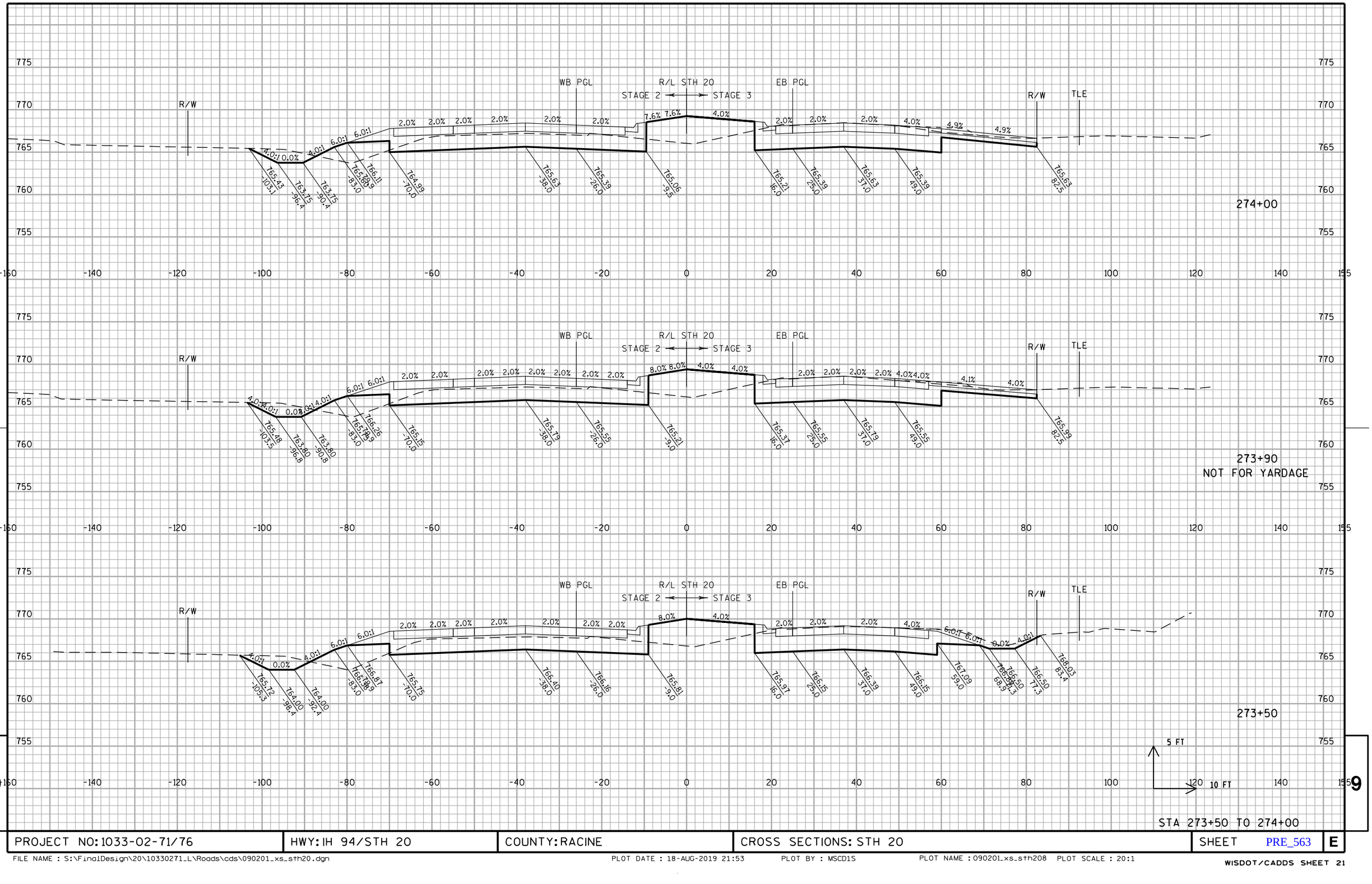
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_562	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth207 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

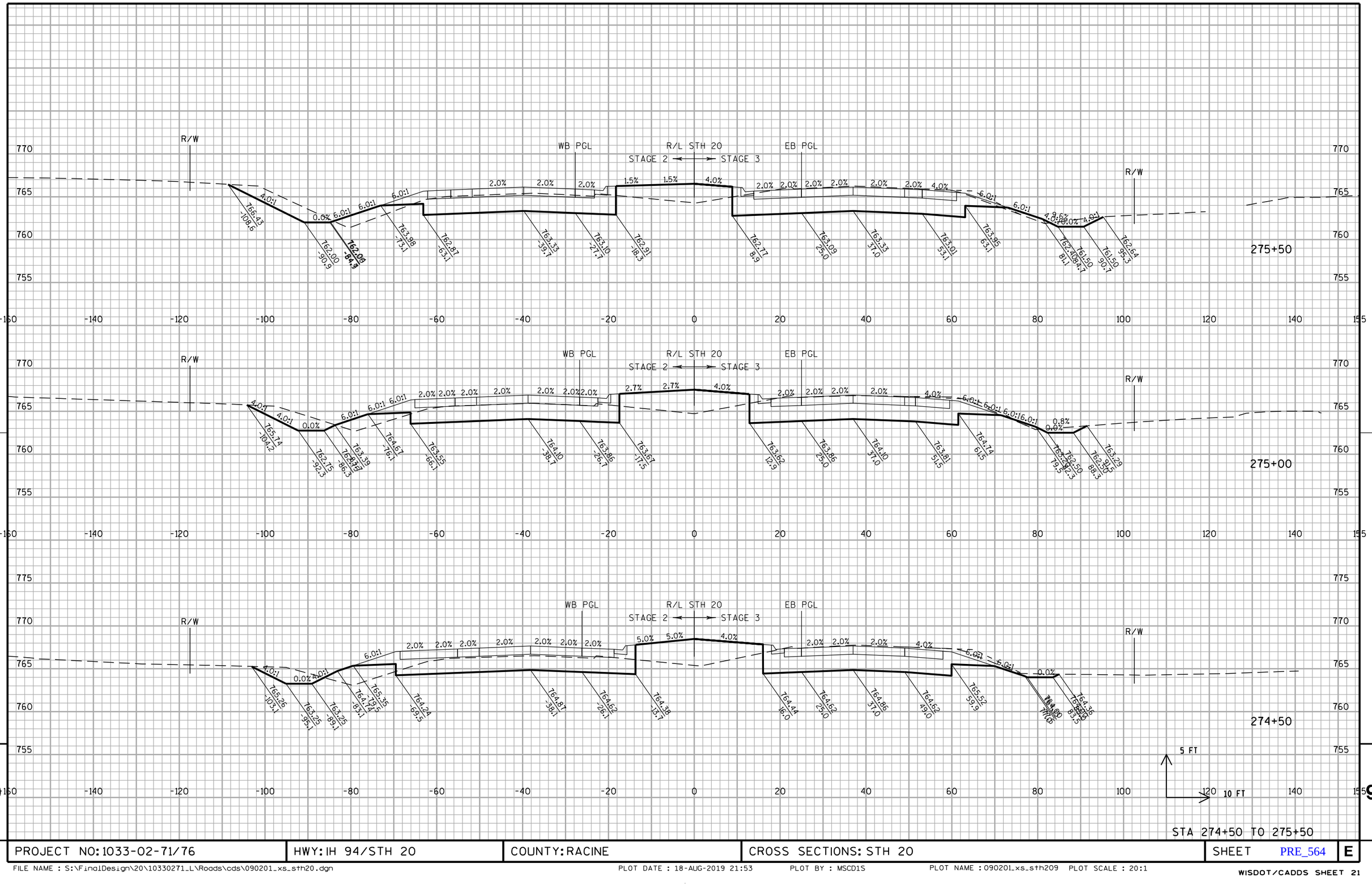


9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_563	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth208 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_564	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth209 PLOT SCALE : 20:1

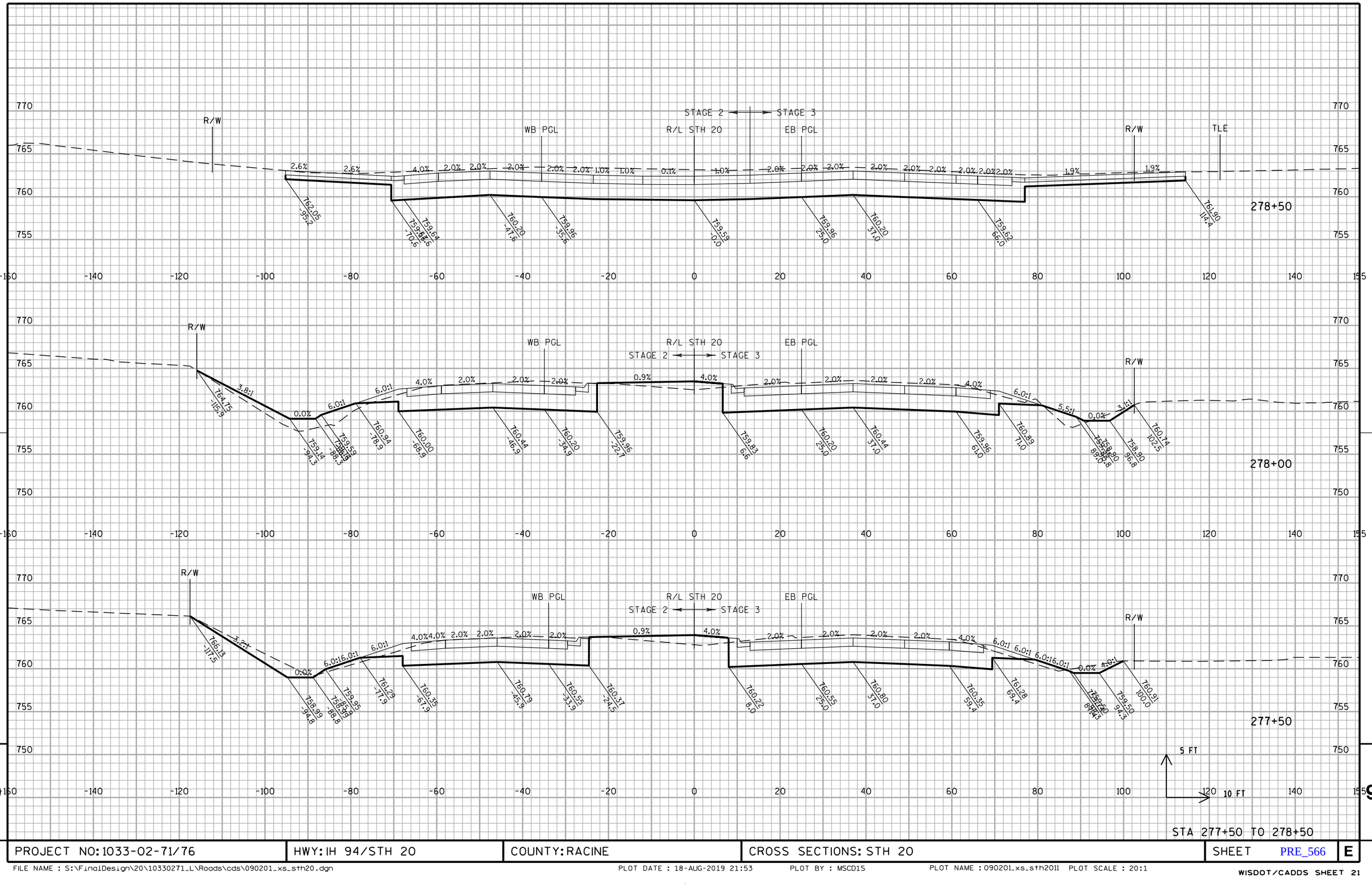
WISDOT/CADDS SHEET 21

9 9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_565	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2010 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

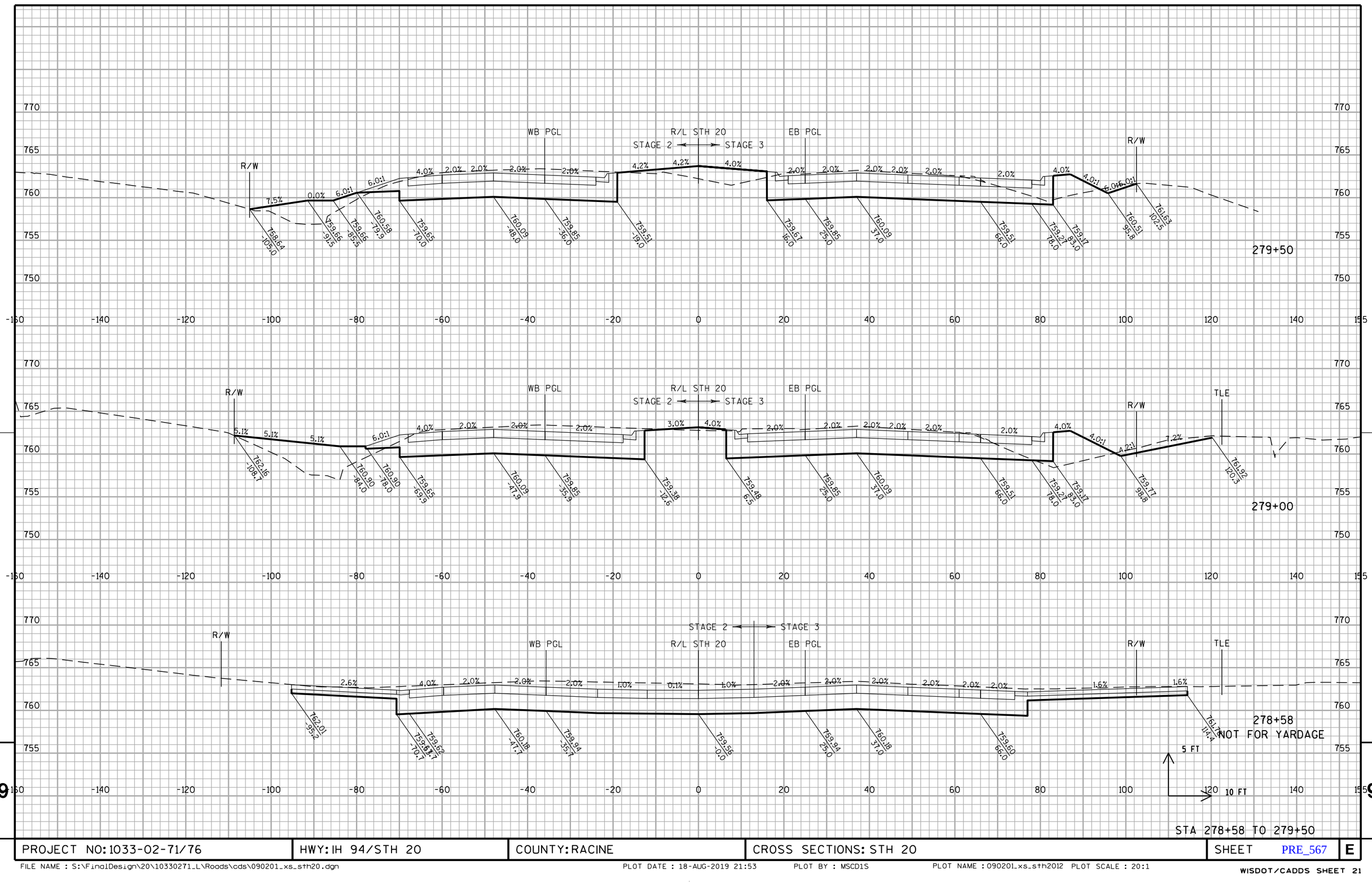


STA 277+50 TO 278+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_566	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2011 PLOT SCALE : 20:1

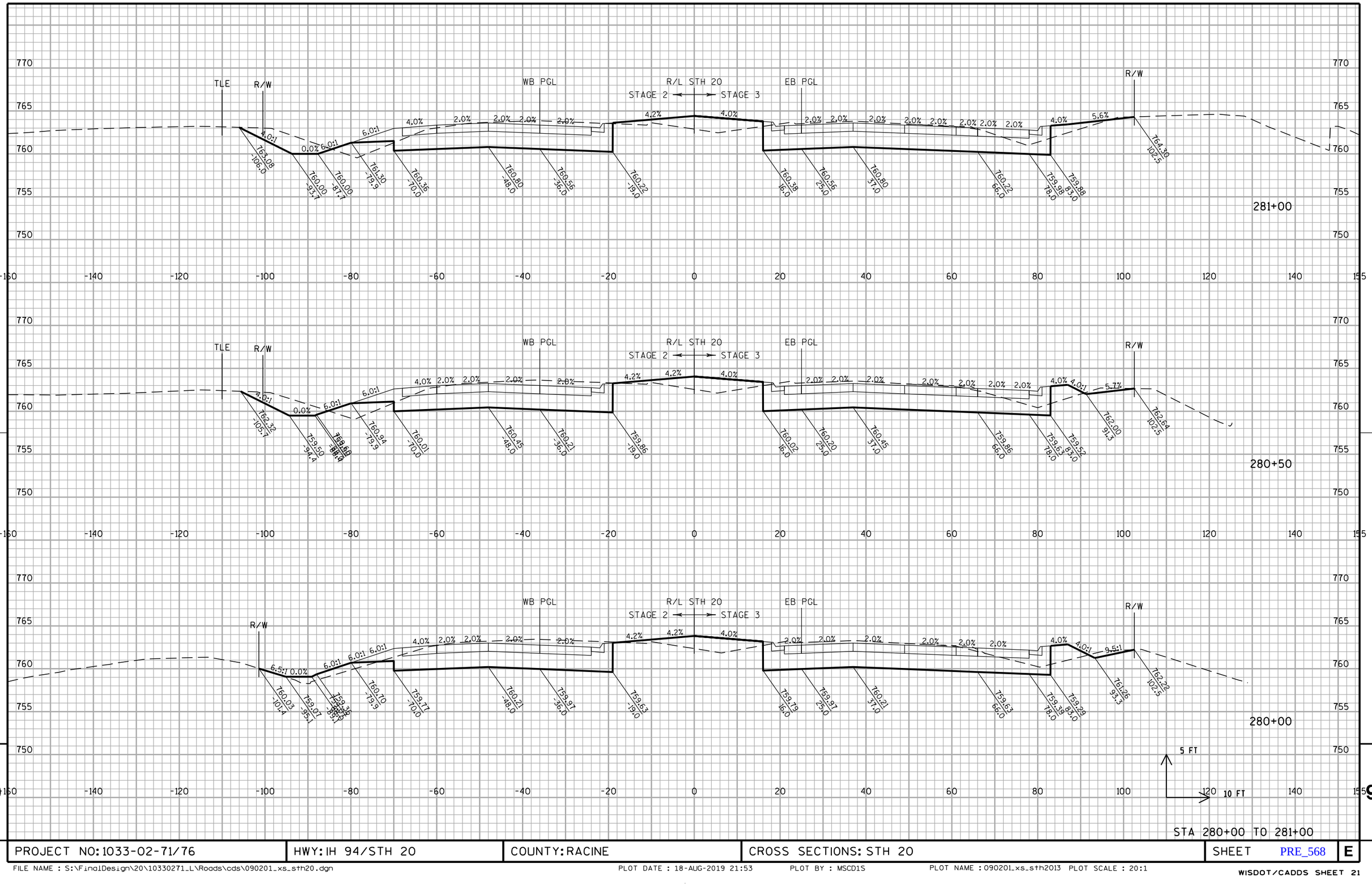
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_567	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2012 PLOT SCALE : 20:1

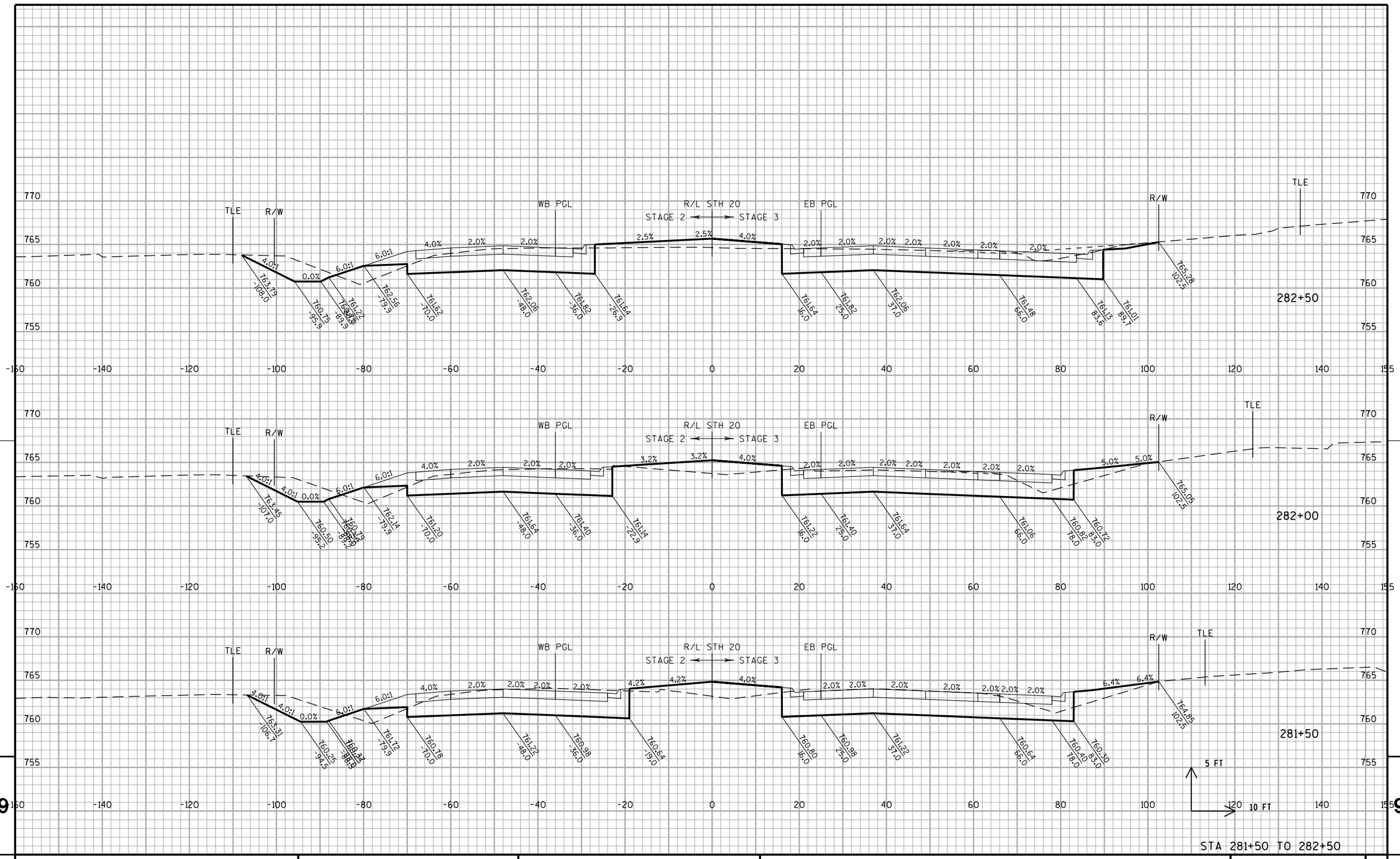
WISDOT/CADDS SHEET 21

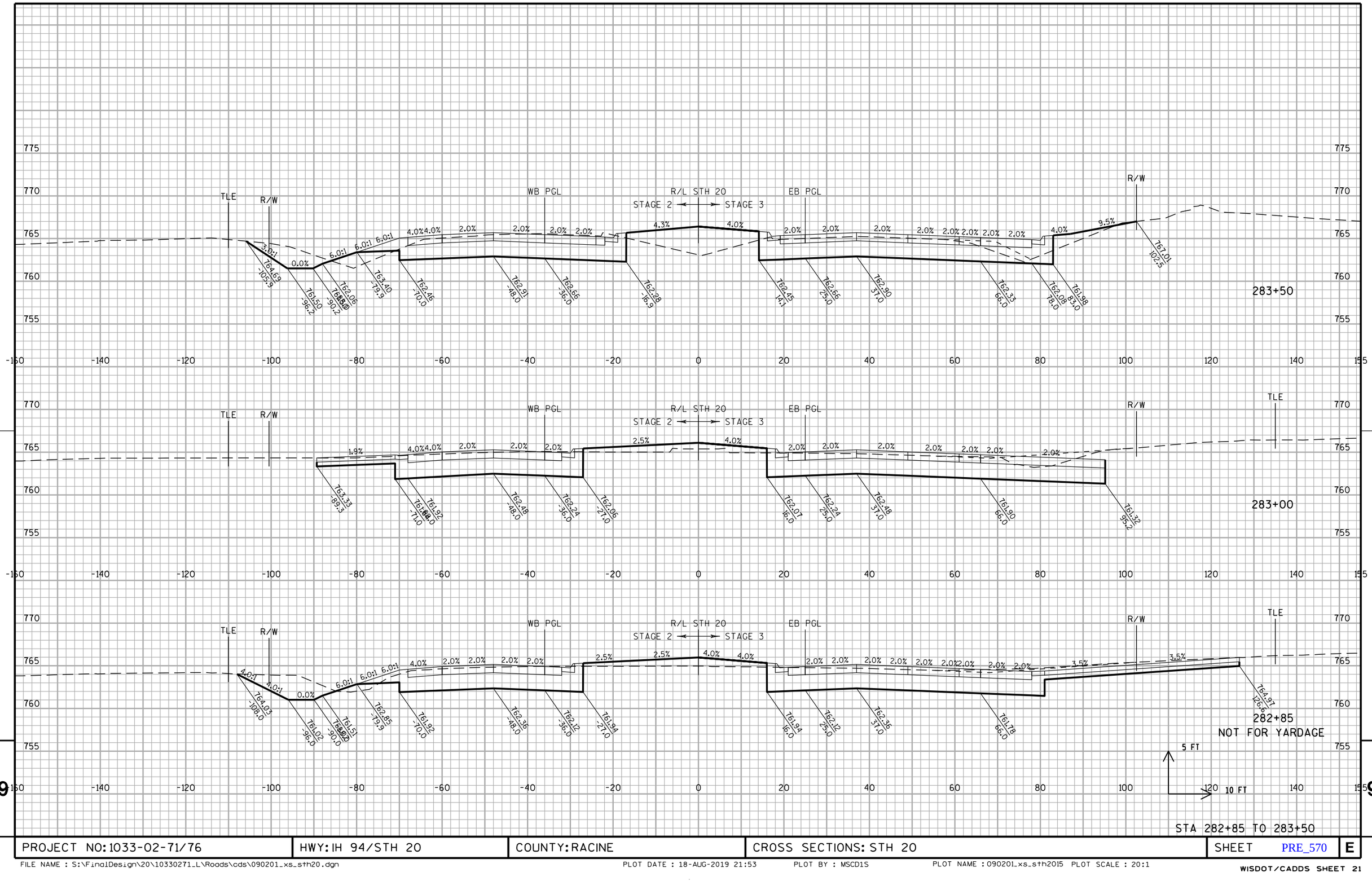


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_568	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2013 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

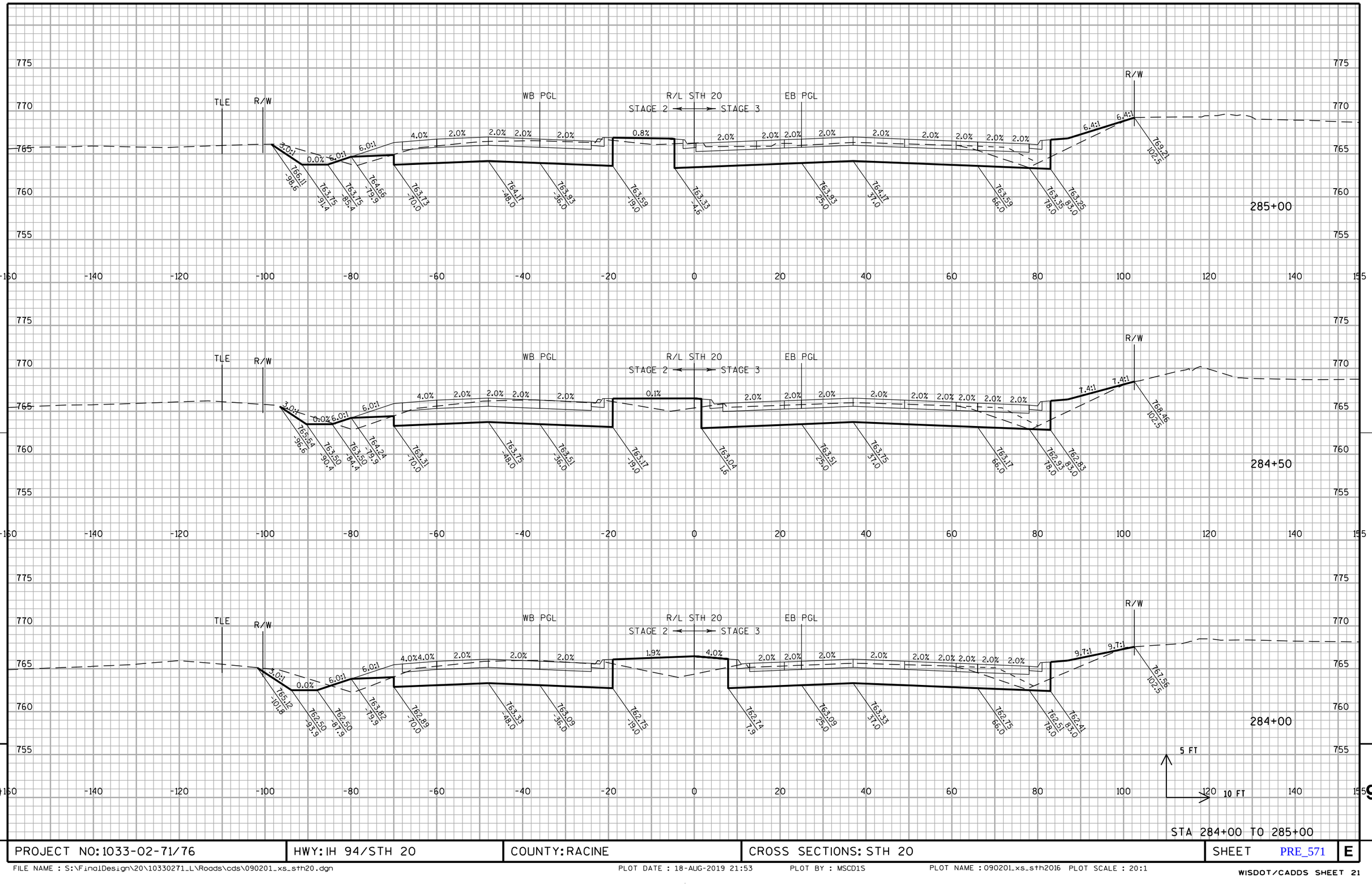

TLE
R/W
WB PGL
R/L STH 20
STAGE 2 ← → STAGE 3
EB PGL
R/W
TLE
770
765
760
755
4.0:1
6.0:1
0.0%
4.0%
2.0%
2.5%
763.79 -108.0
760.75 -95.9
761.22 -89.9
762.56 -79.9
761.62 -70.0
762.06 -48.0
761.82 -36.0
761.64 -26.9
761.64 16.0
761.82 25.0
762.06 37.0
761.48 66.0
761.13 83.6
761.01 89.7
765.28 102.5
282+50
-160
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
155
TLE
R/W
WB PGL
R/L STH 20
STAGE 2 ← → STAGE 3
EB PGL
R/W
TLE
770
765
760
755
4.0:1
6.0:1
0.0%
4.0%
2.0%
3.2%
4.0%
5.0%
763.45 -107.0
760.50 -95.2
760.79 -89.2
762.14 -79.9
761.20 -70.0
761.64 -48.0
761.40 -36.0
761.44 -22.9
761.22 16.0
761.40 25.0
761.64 37.0
761.05 66.0
760.82 78.0
760.72 83.0
765.05 102.5
282+00
TLE
R/W
WB PGL
R/L STH 20
STAGE 2 ← → STAGE 3
EB PGL
R/W
TLE
770
765
760
755
4.0:1
6.0:1
0.0%
4.0%
2.0%
4.2%
4.0%
6.4%
763.31 -106.7
760.25 -94.5
760.37 -88.3
761.72 -79.9
760.78 -70.0
761.22 -48.0
760.98 -36.0
760.64 -19.0
760.80 16.0
760.98 25.0
761.22 37.0
760.64 66.0
760.40 78.0
760.30 83.0
764.95 102.5
281+50
5 FT
10 FT
-160
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
155
STA 281+50 TO 282+50
9
9
PROJECT NO: 1033-02-71/76
HWY: IH 94/STH 20
COUNTY: RACINE
CROSS SECTIONS: STH 20
SHEET PRE_569
E
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn
PLOT DATE : 18-AUG-2019 21:53
PLOT BY : MSCD1S
PLOT NAME : 090201_xs_sth2014
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_570	E

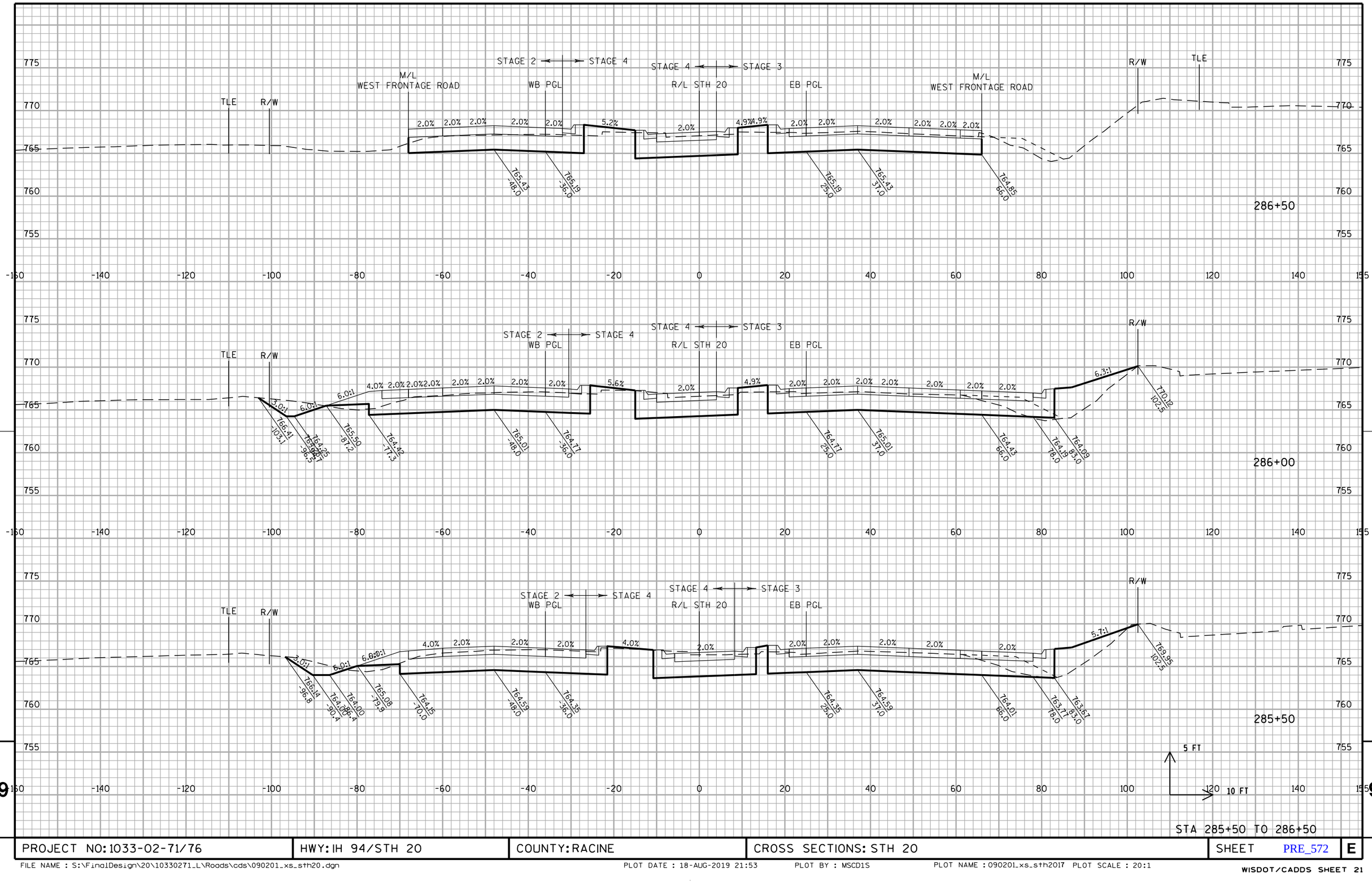
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2015 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

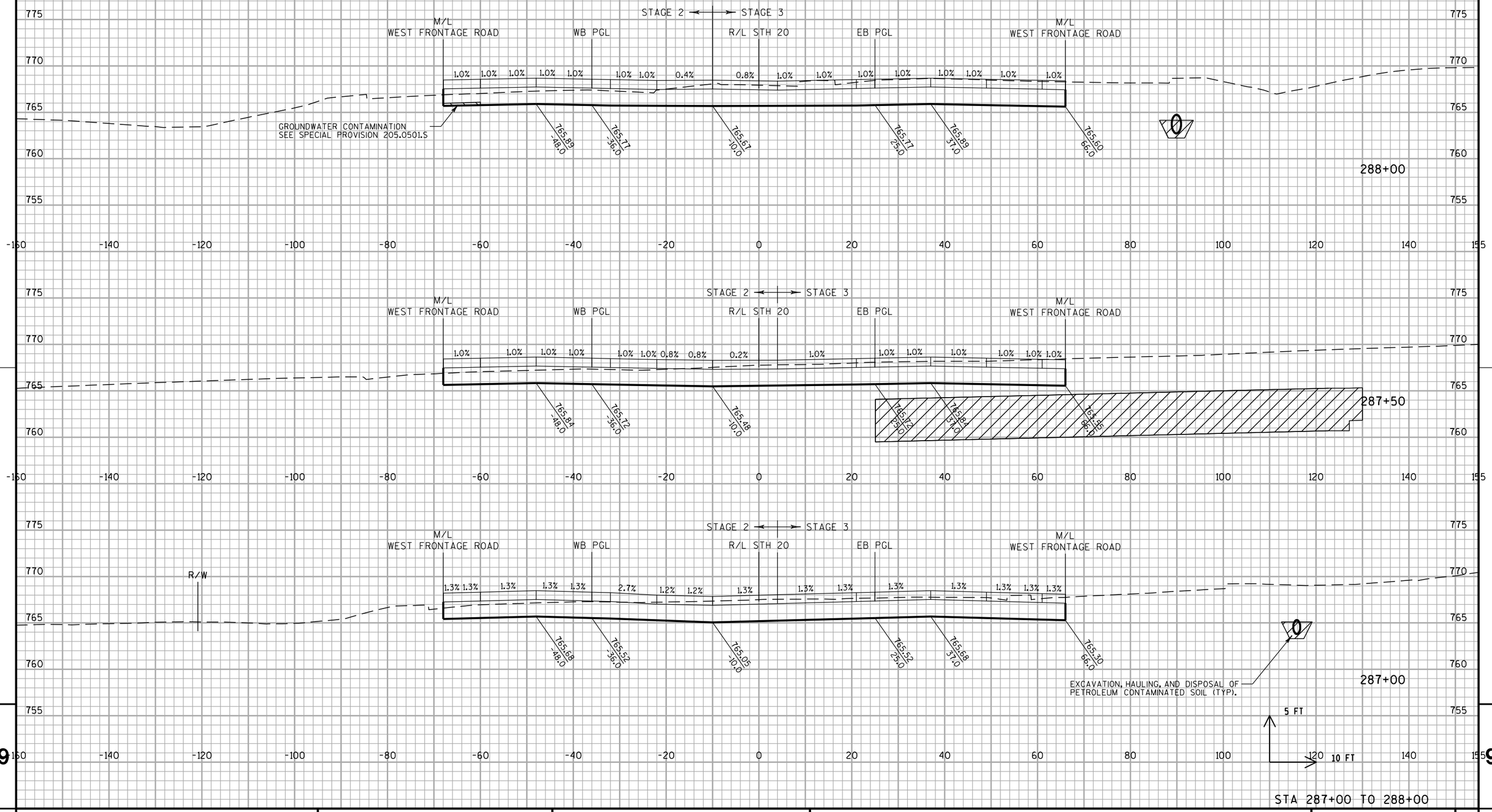


STA 284+00 TO 285+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_571	E



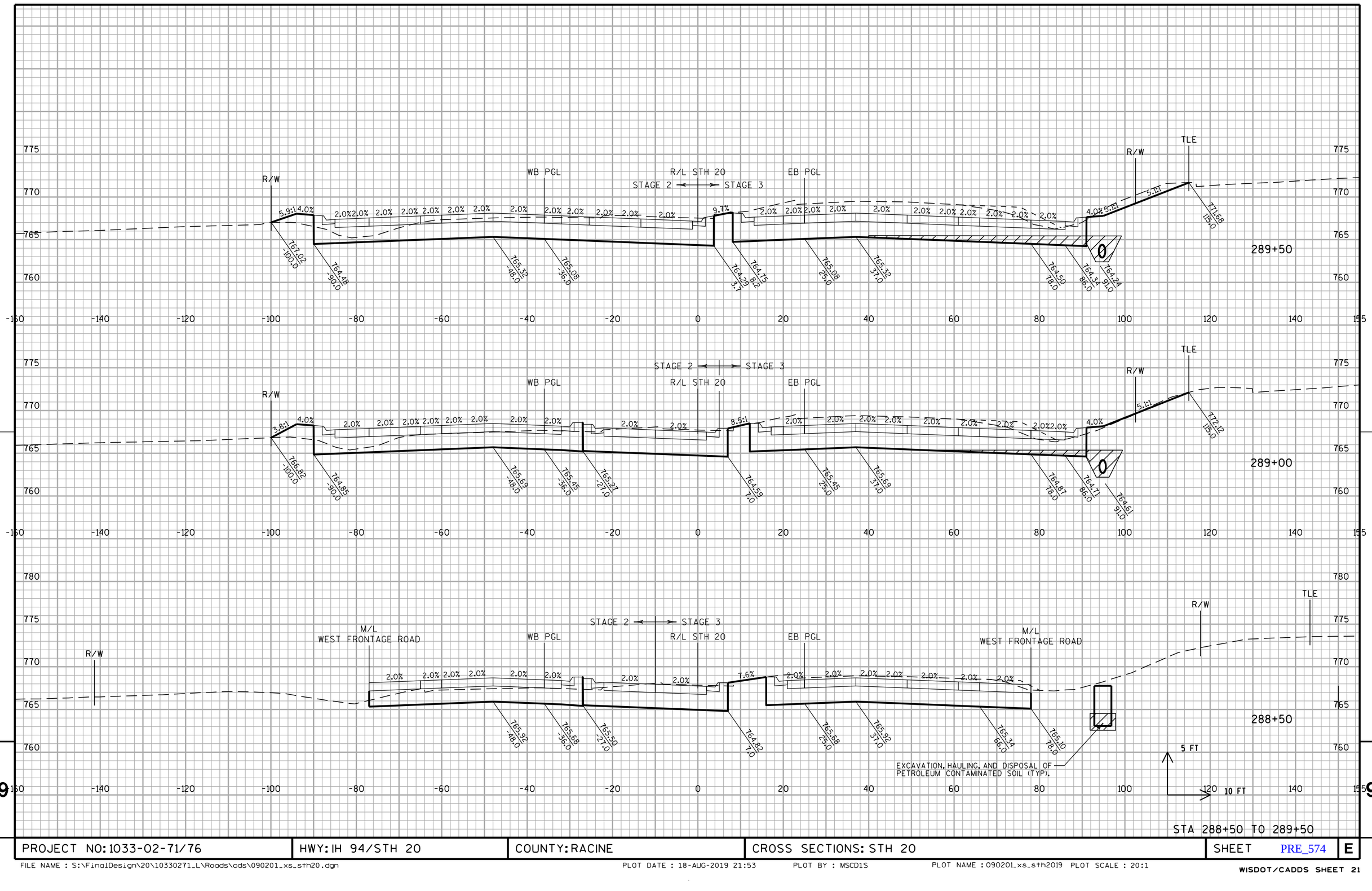
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_572	E



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_573	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2018 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

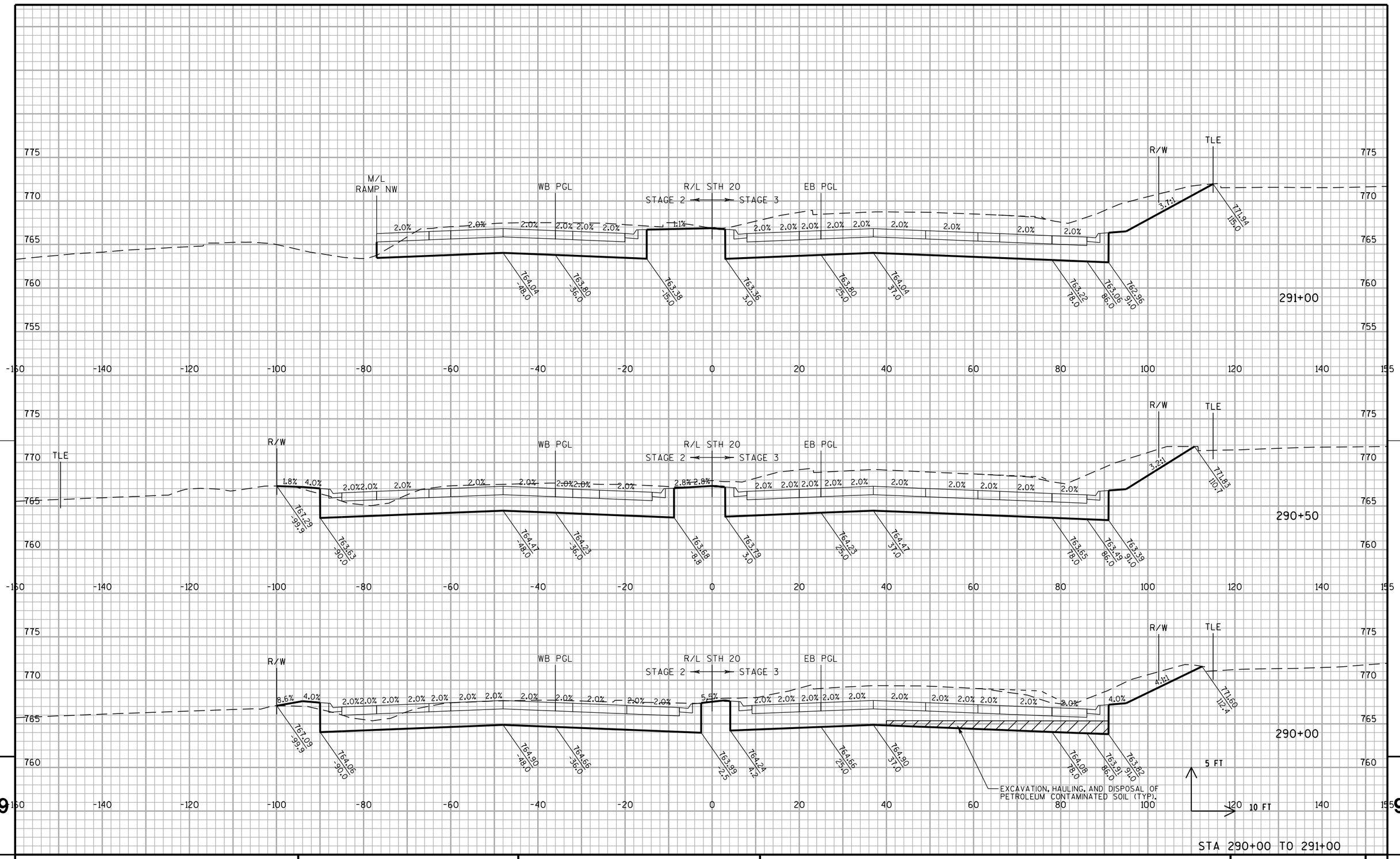


STA 288+50 TO 289+50

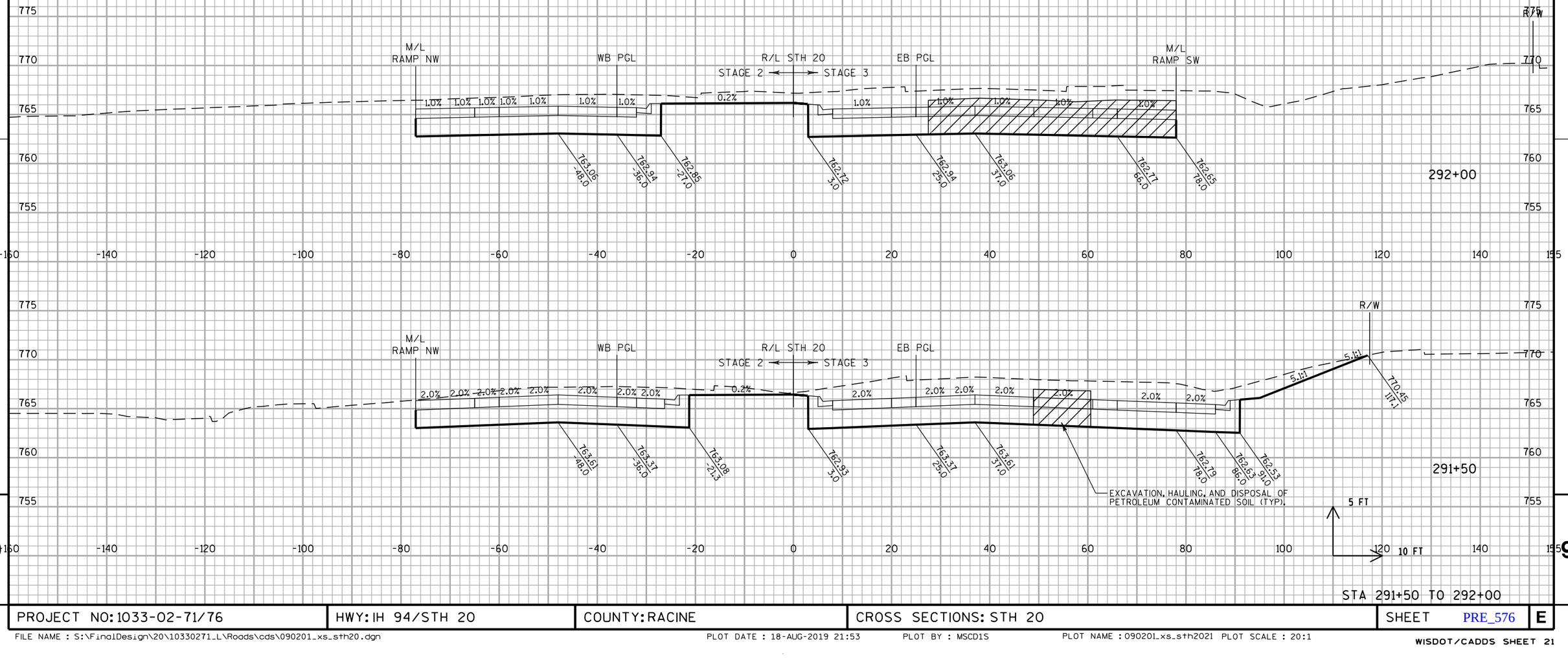
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_574	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2019 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_575	E



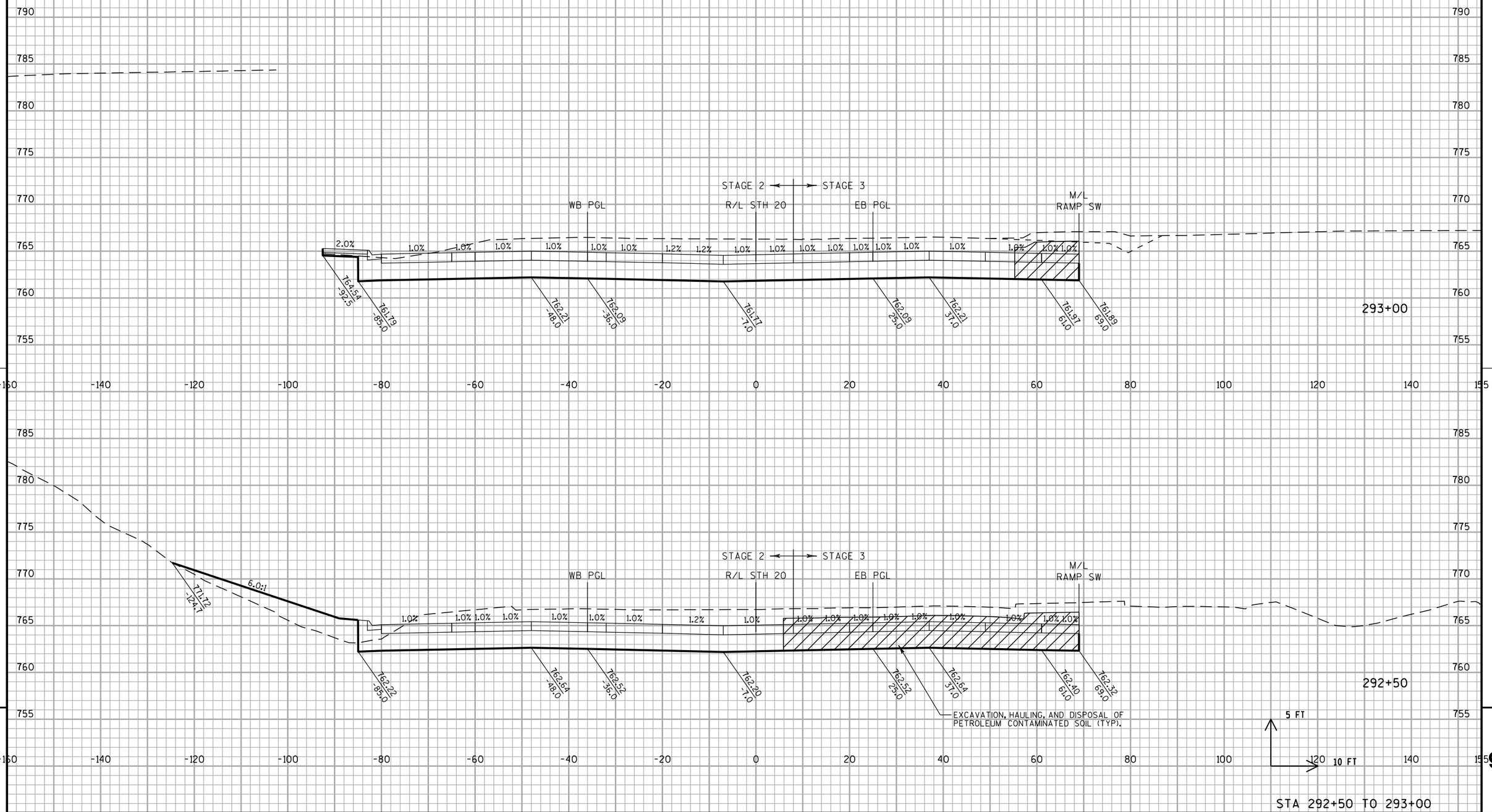
STA 291+50 TO 292+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_576	E

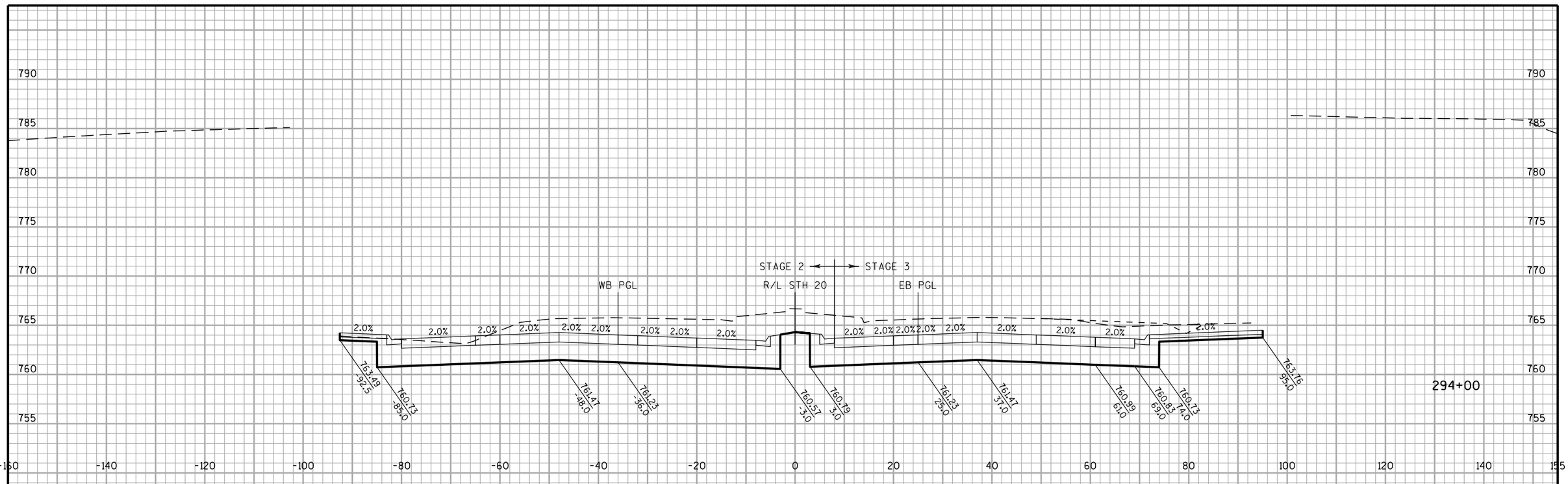
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2021 PLOT SCALE : 20:1

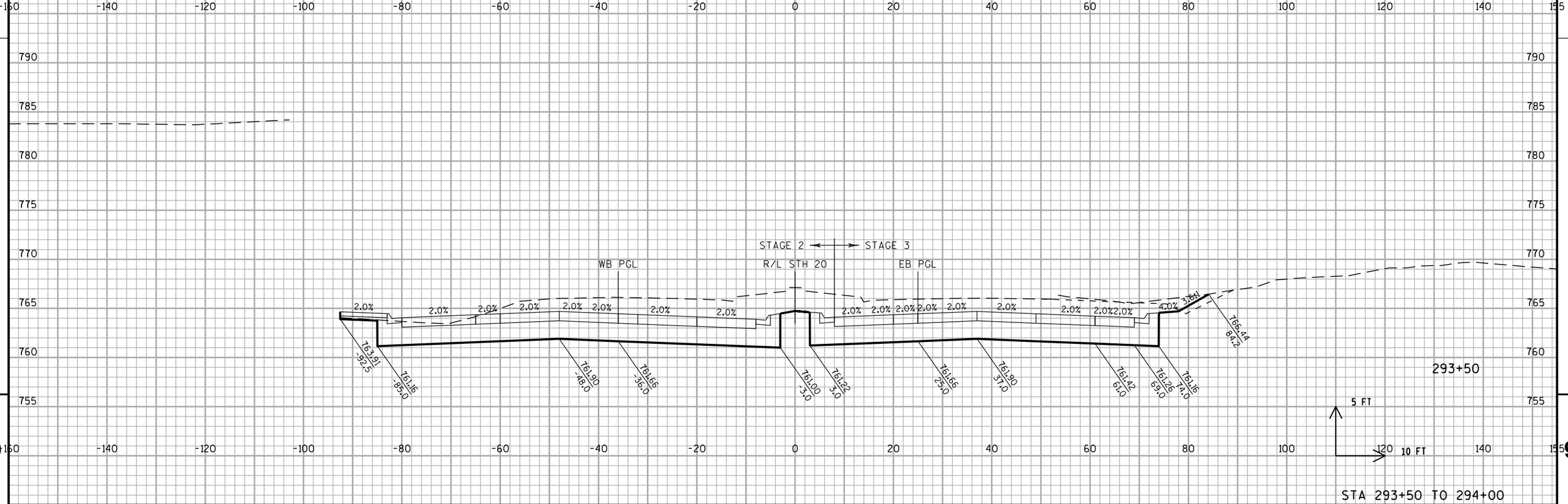
WISDOT/CADDS SHEET 21

9 9



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_577	E



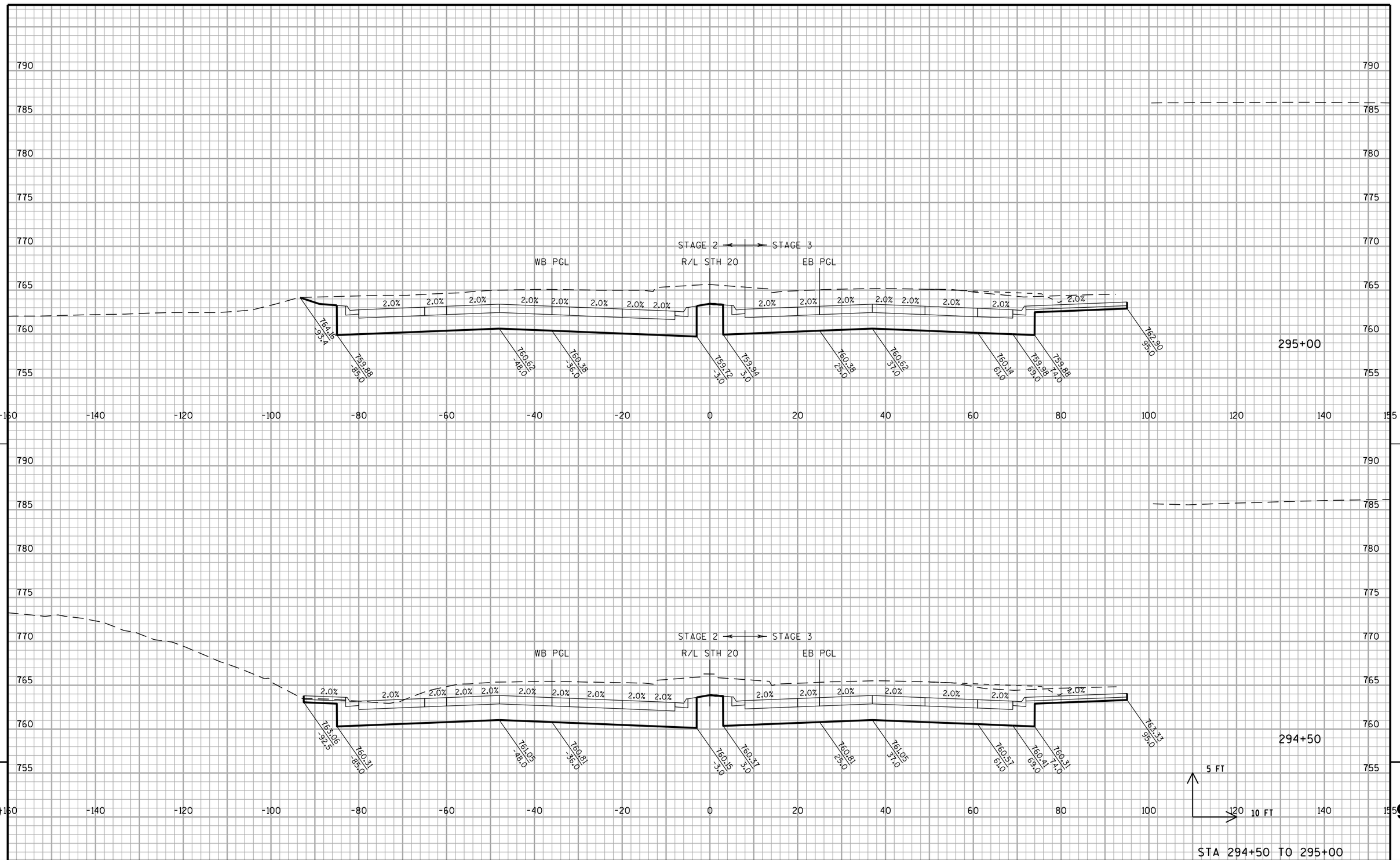


STA 293+50 TO 294+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_578	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2023 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

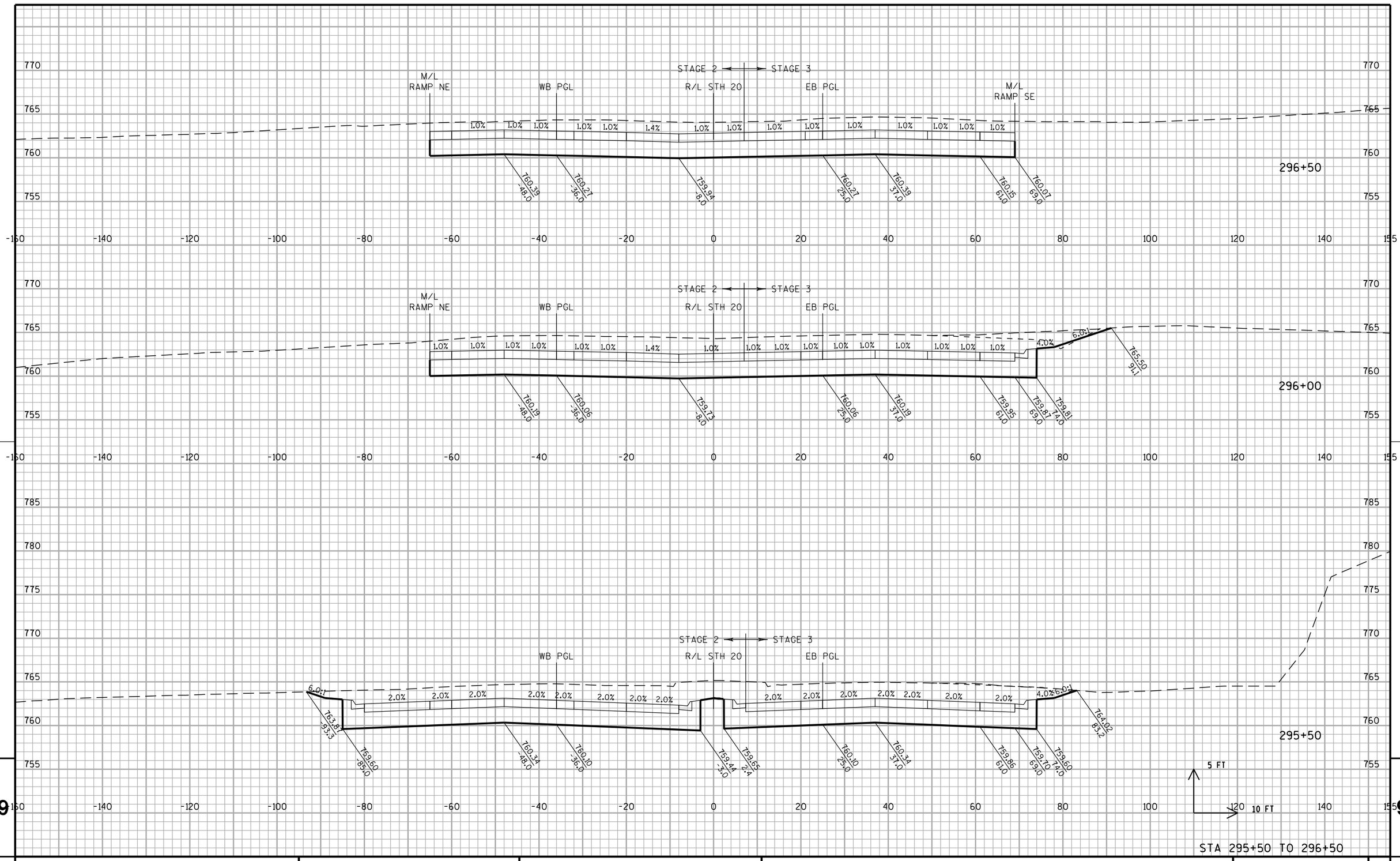


STA 294+50 TO 295+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_579	E

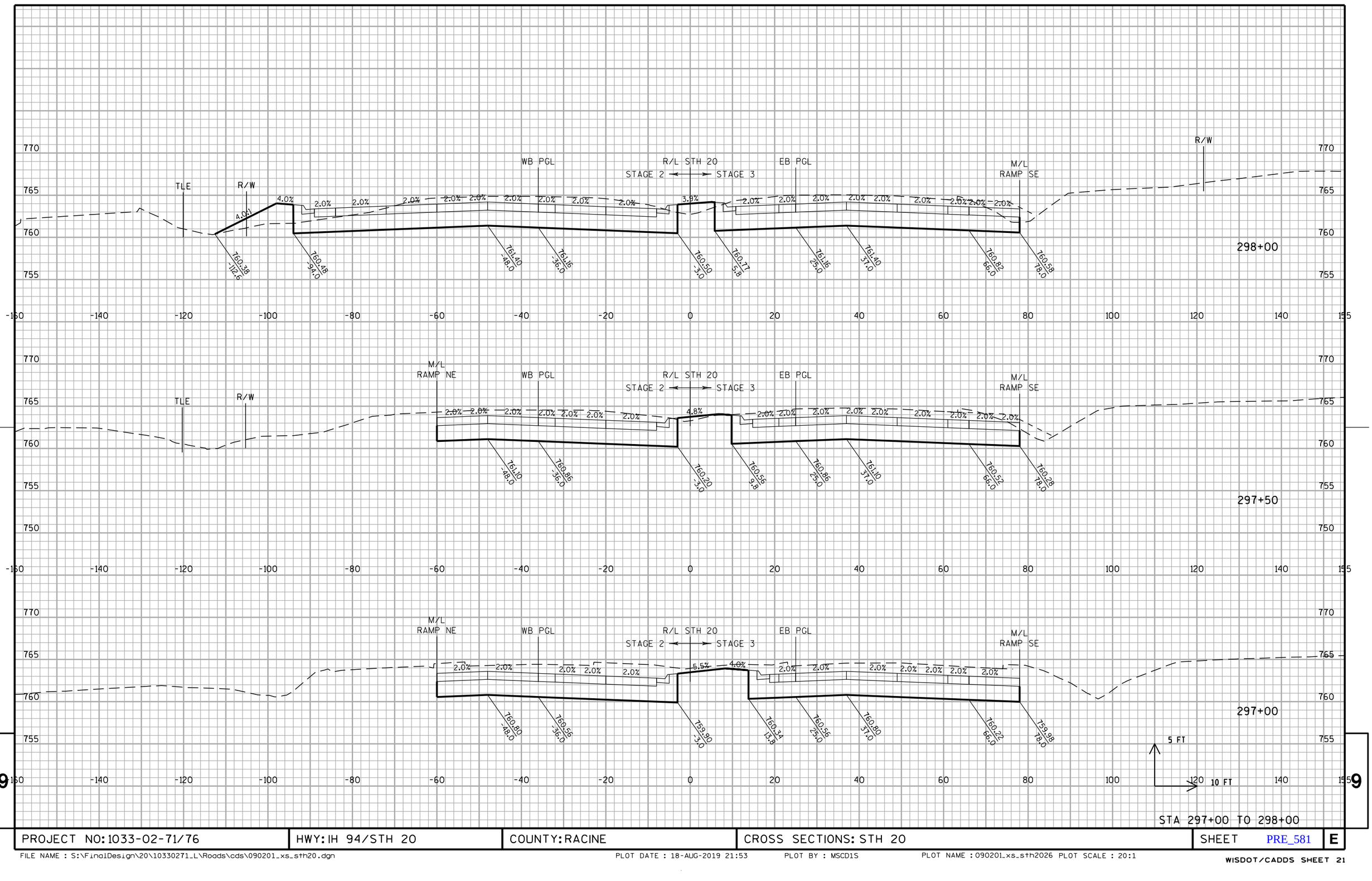
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2024 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

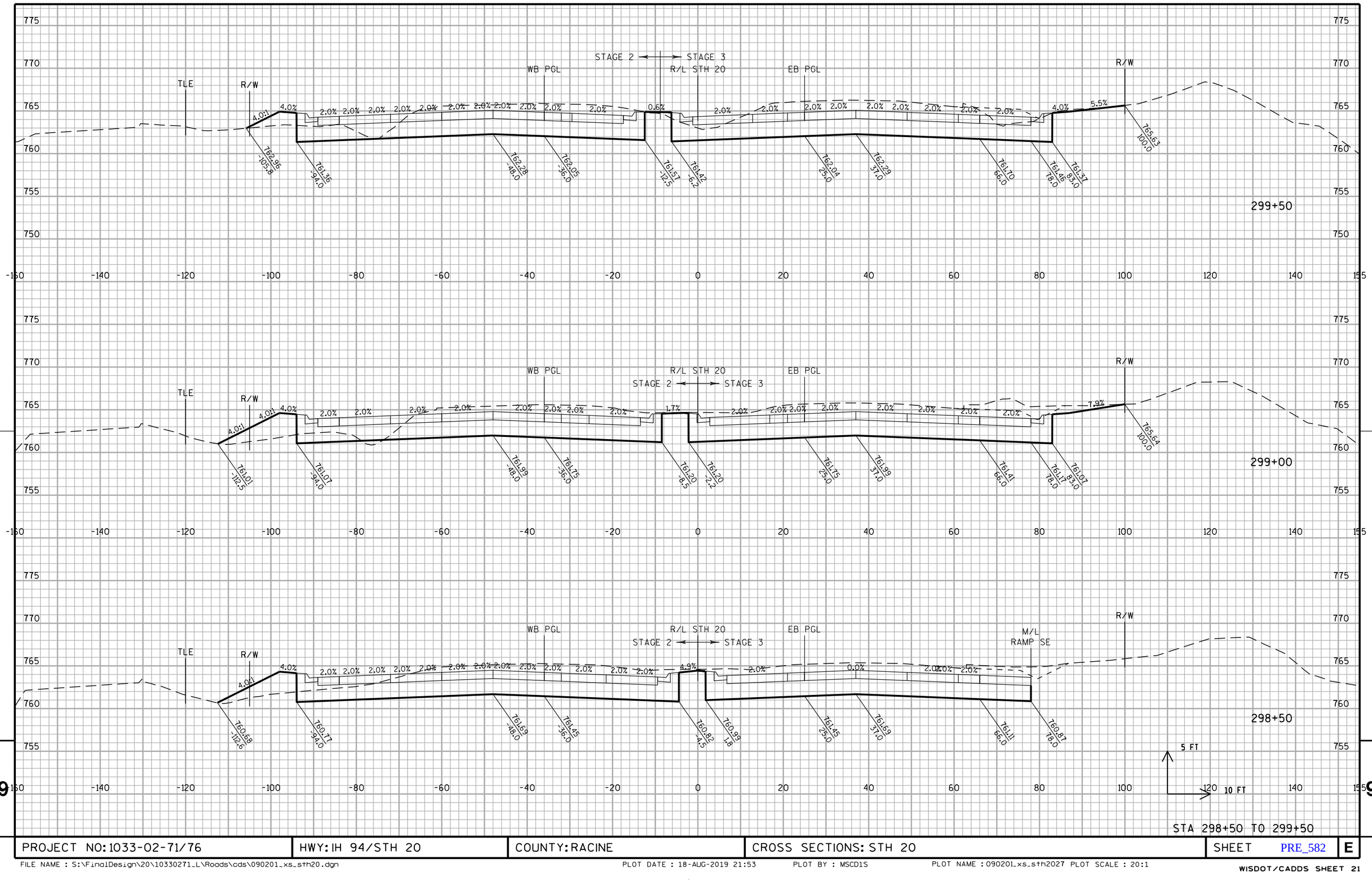


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_580	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2025 PLOT SCALE : 20:1



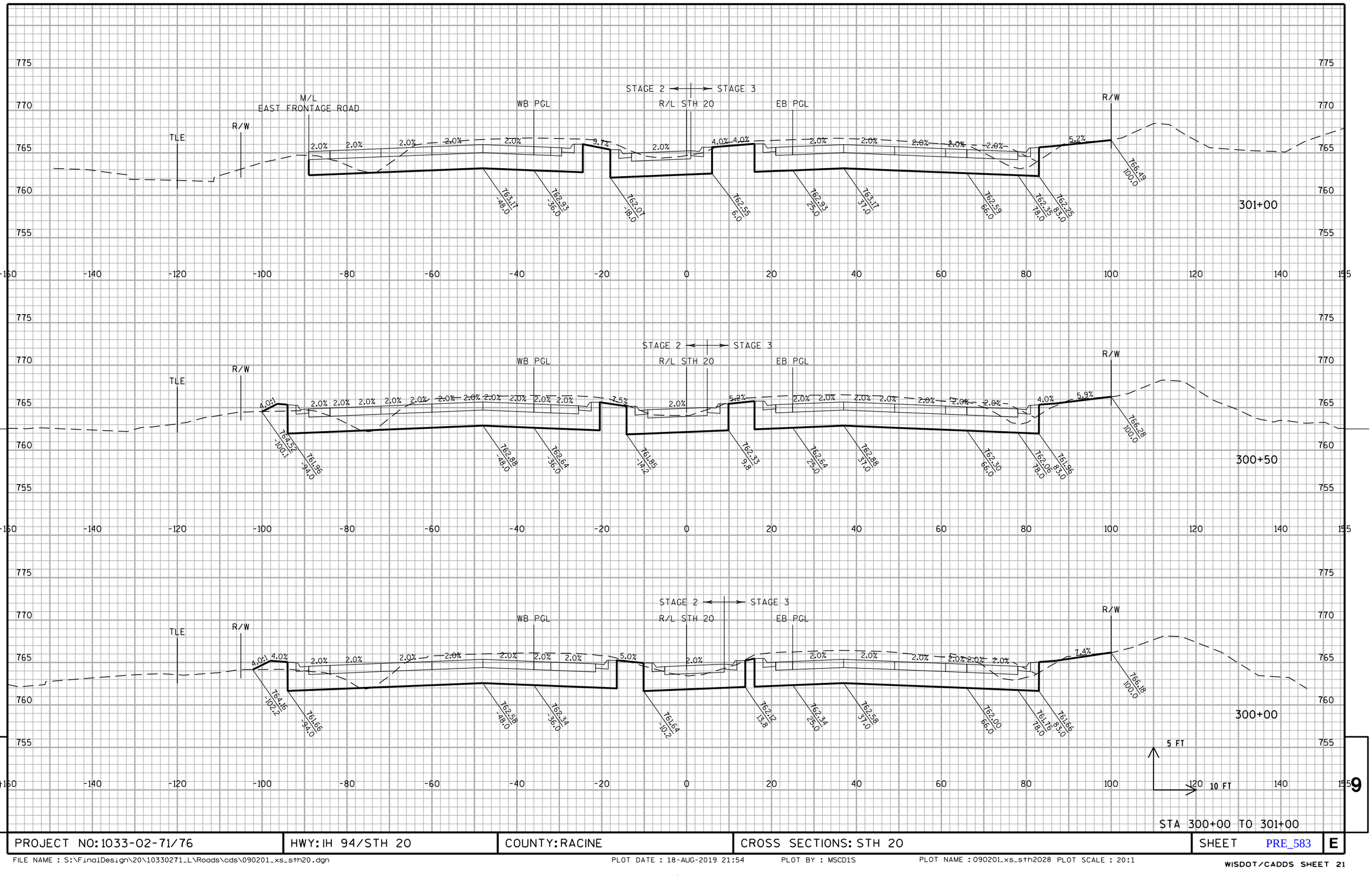
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_581	E



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_582	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:53 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2027 PLOT SCALE : 20:1

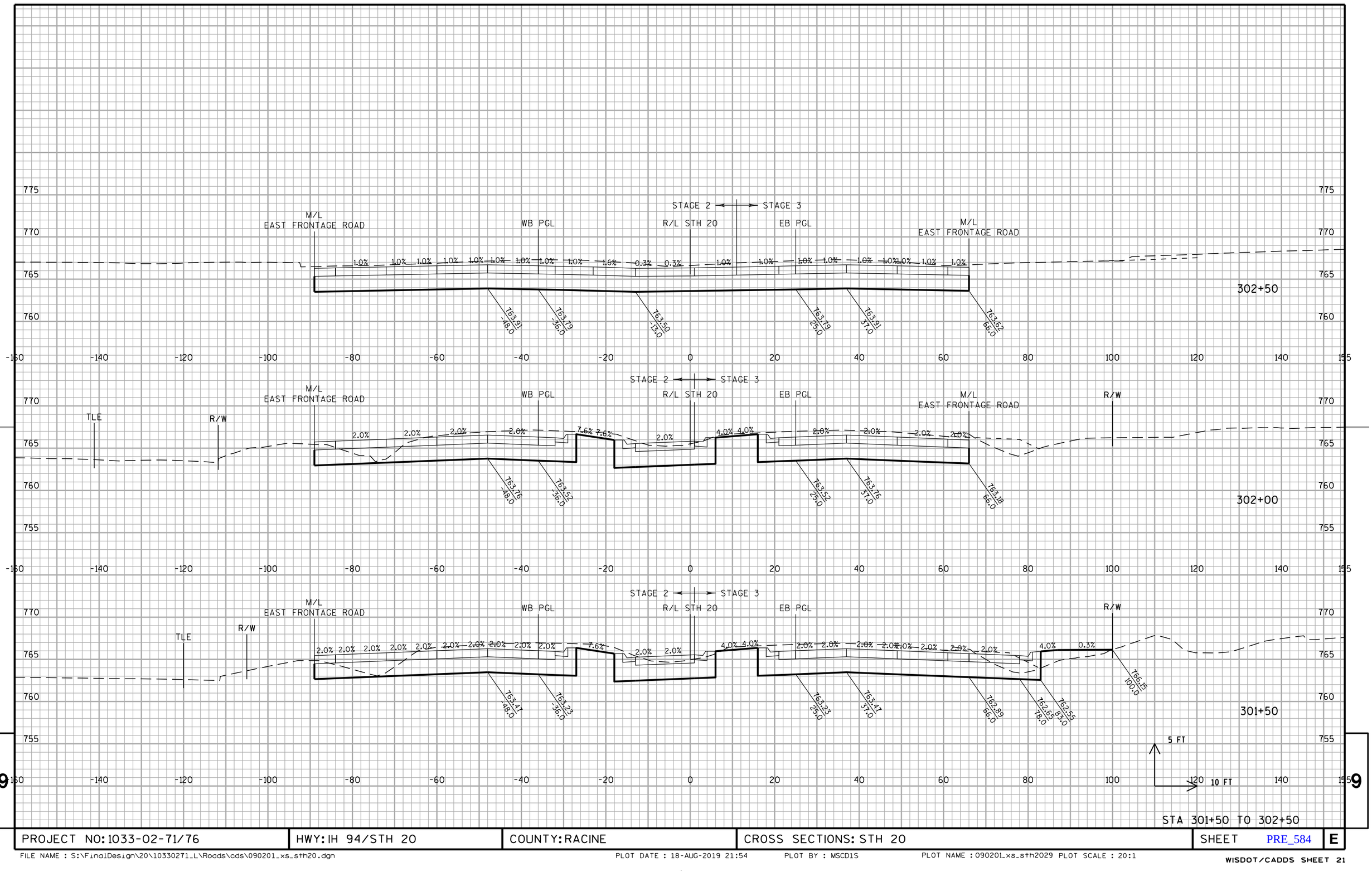
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_583	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2028 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

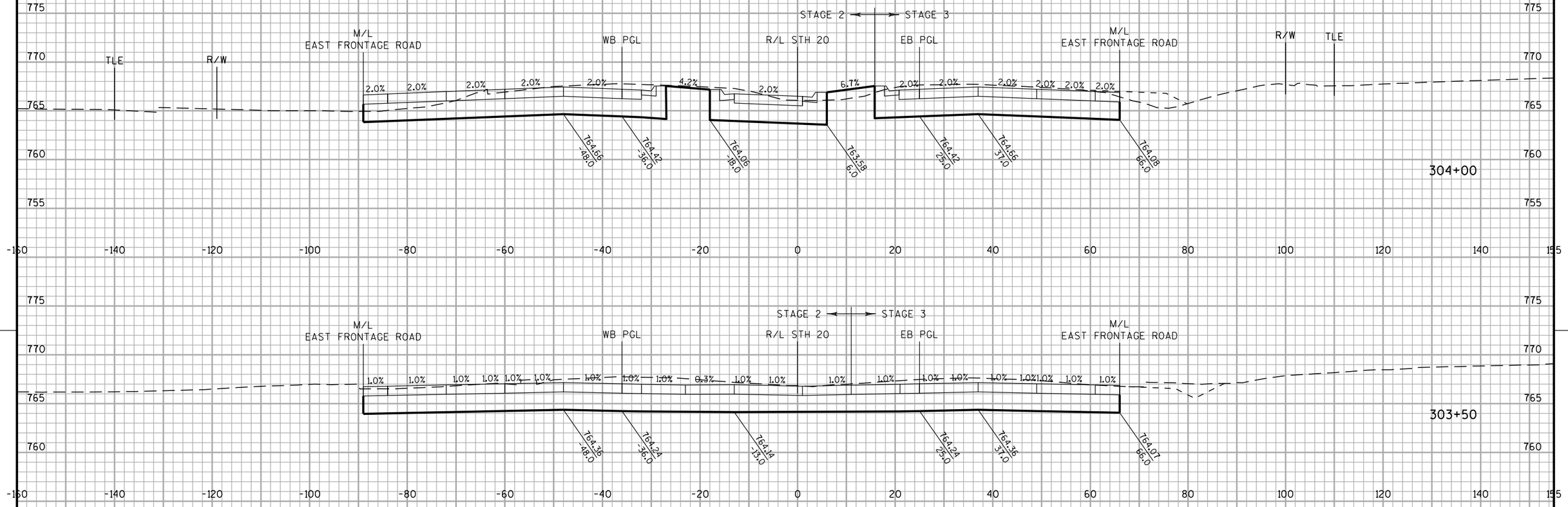


STA 301+50 TO 302+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_584	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2029 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



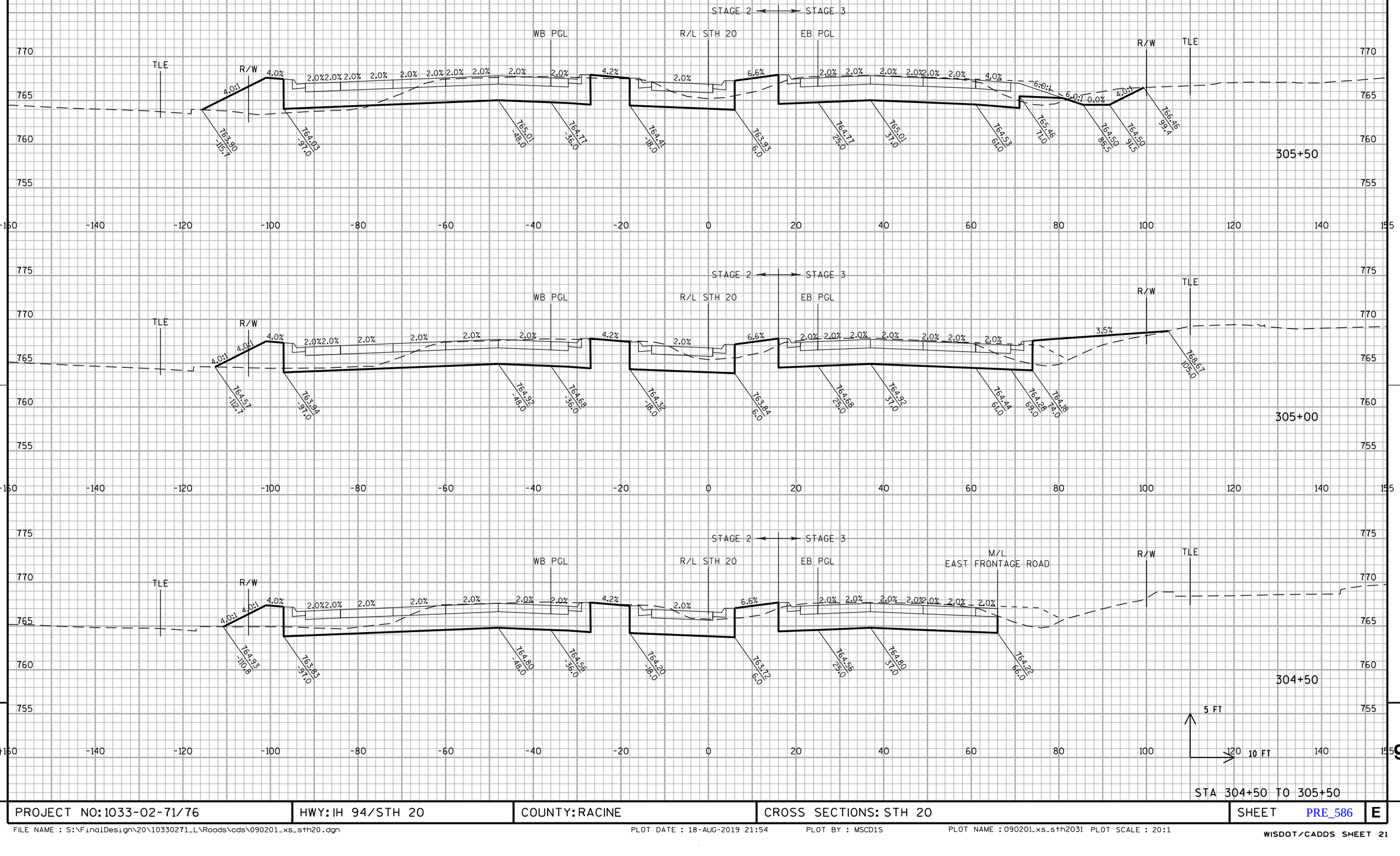
STA 303+00 TO 304+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_585	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2030 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

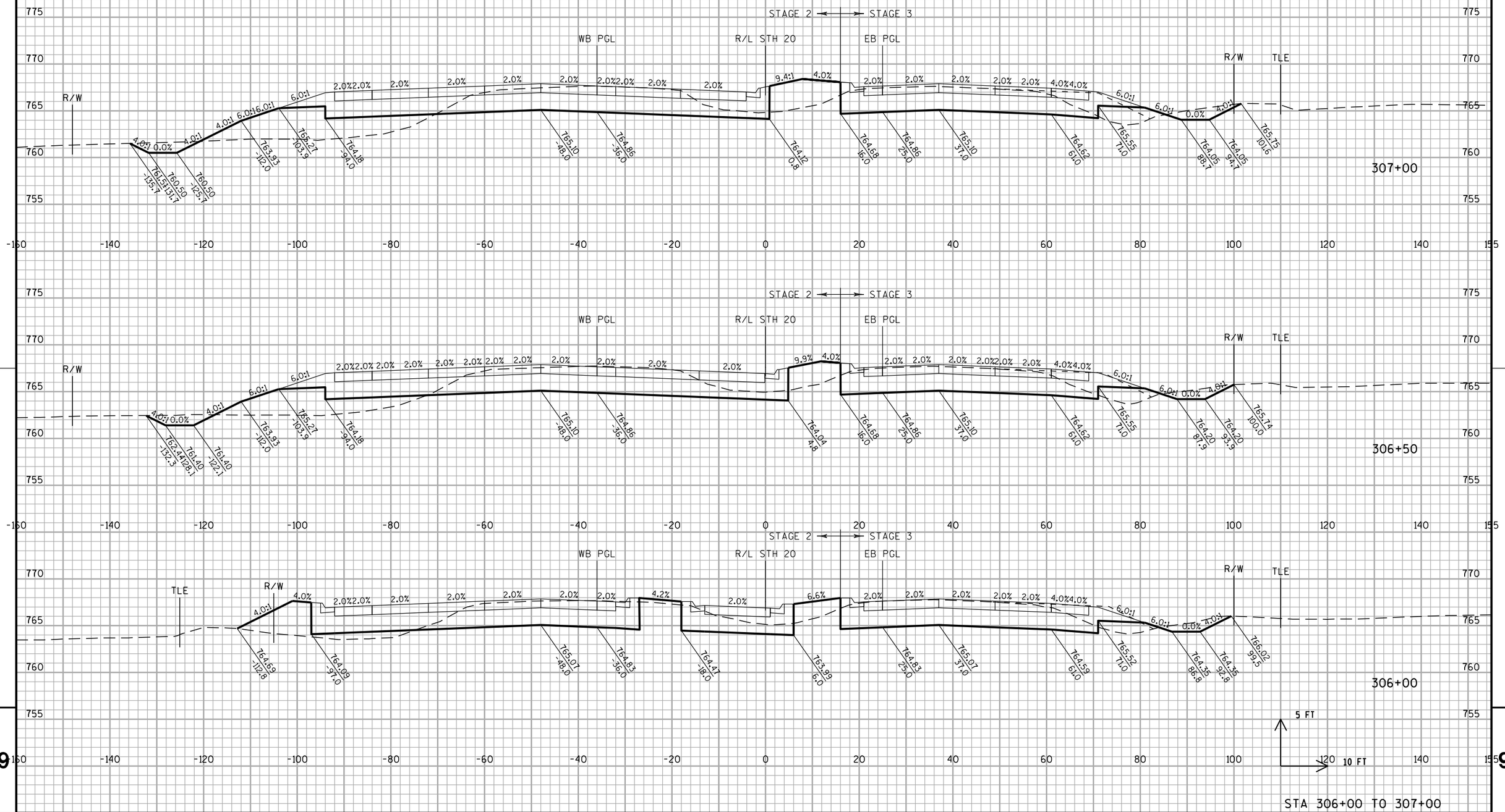
9 9



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_586	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2031 PLOT SCALE : 20:1

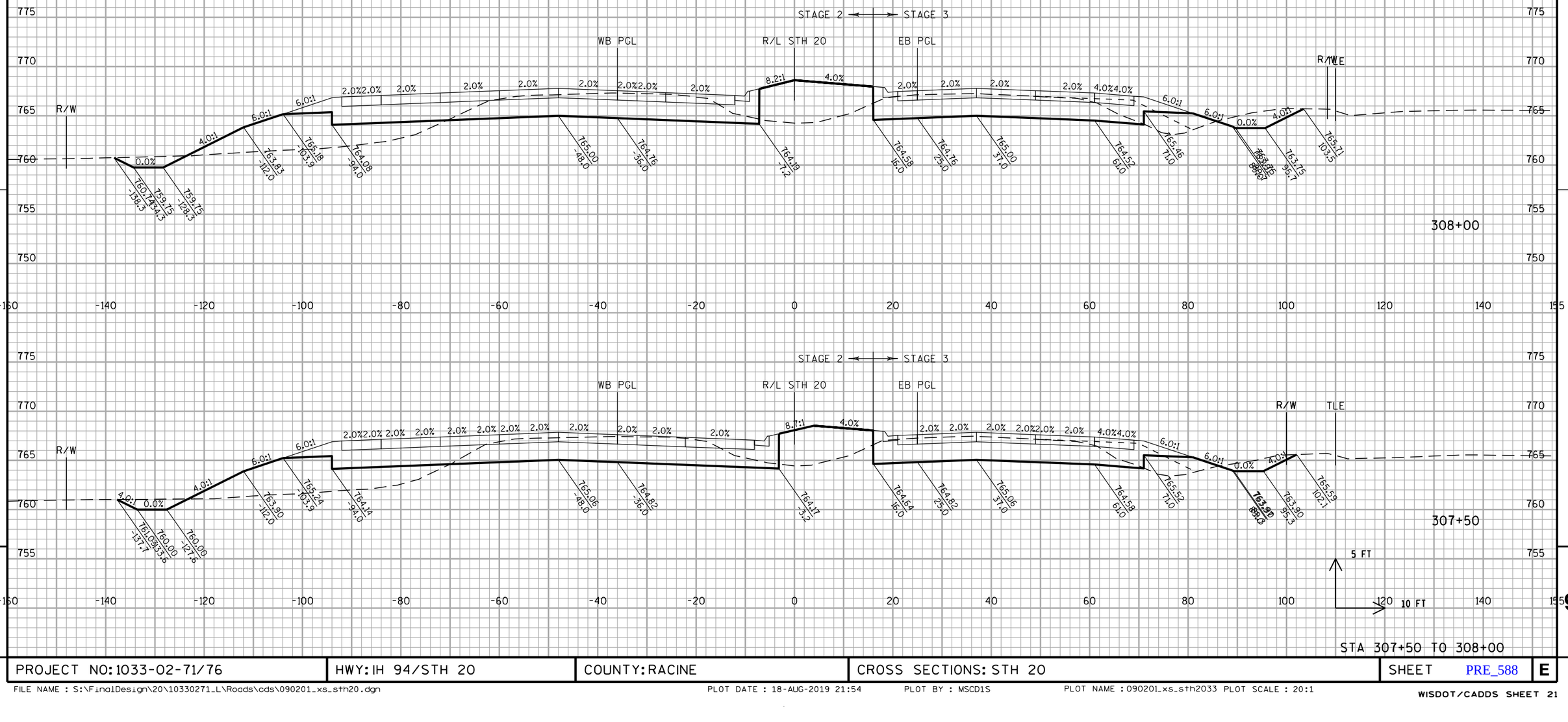
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACIOE	CROSS SECTIONS: STH 20	SHEET PRE_587	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2032 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

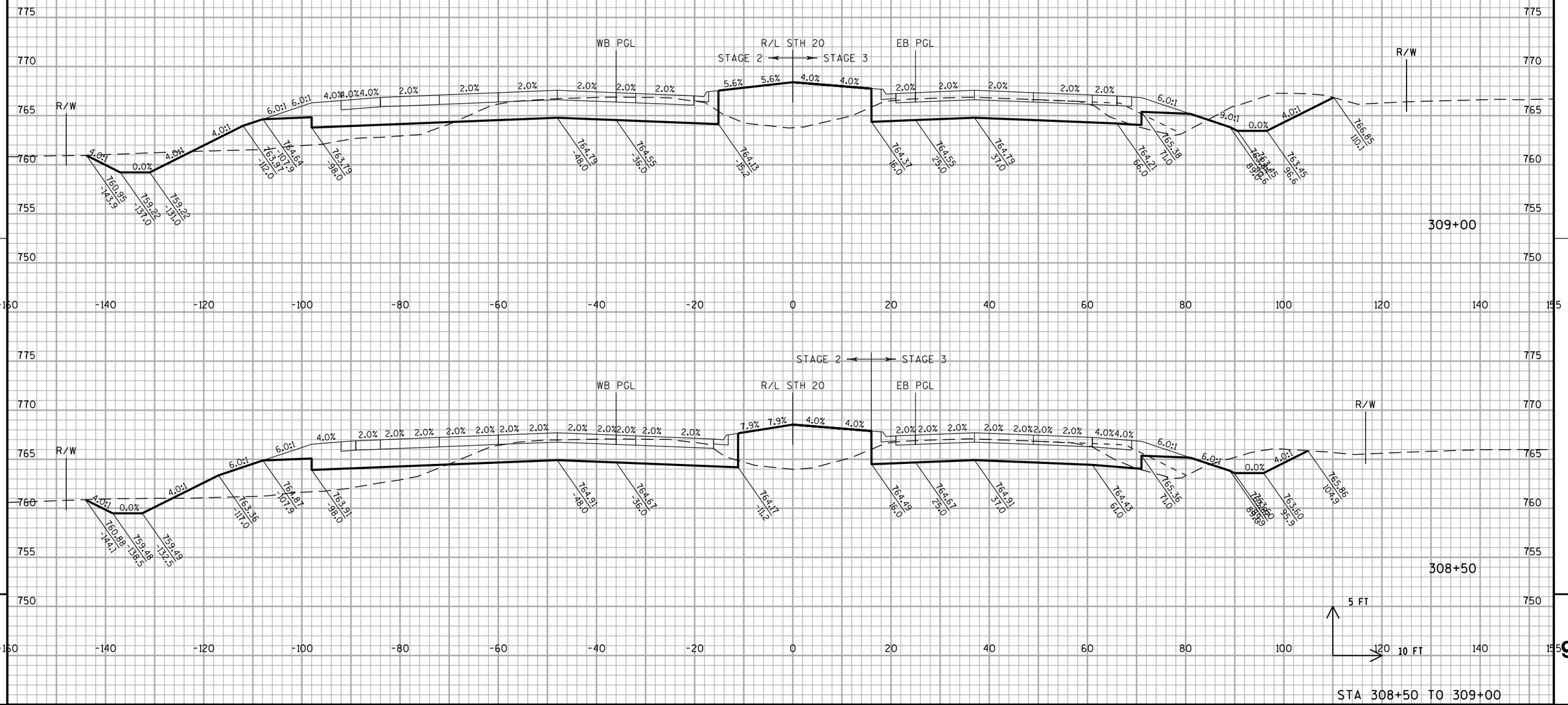


STA 307+50 TO 308+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_588	E

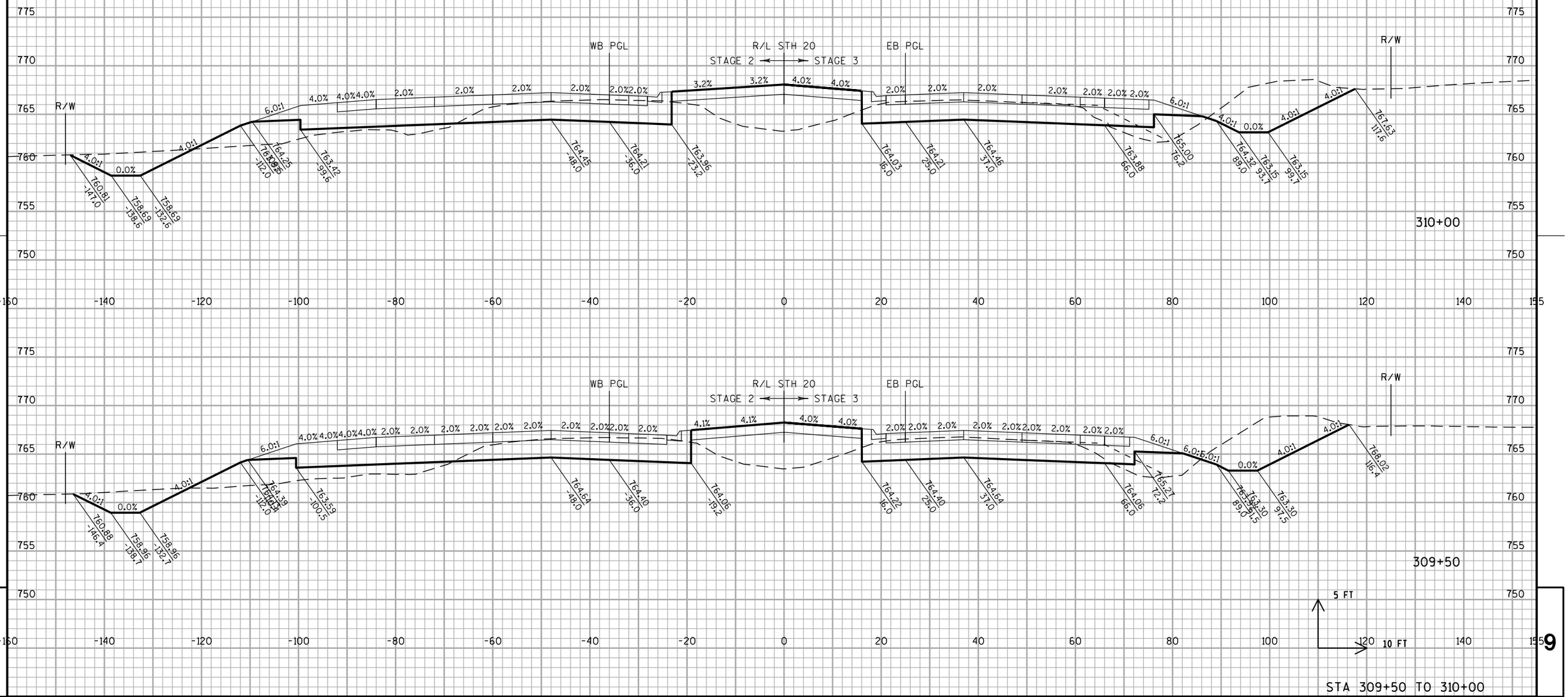
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2033 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_589	E

STA 308+50 TO 309+00

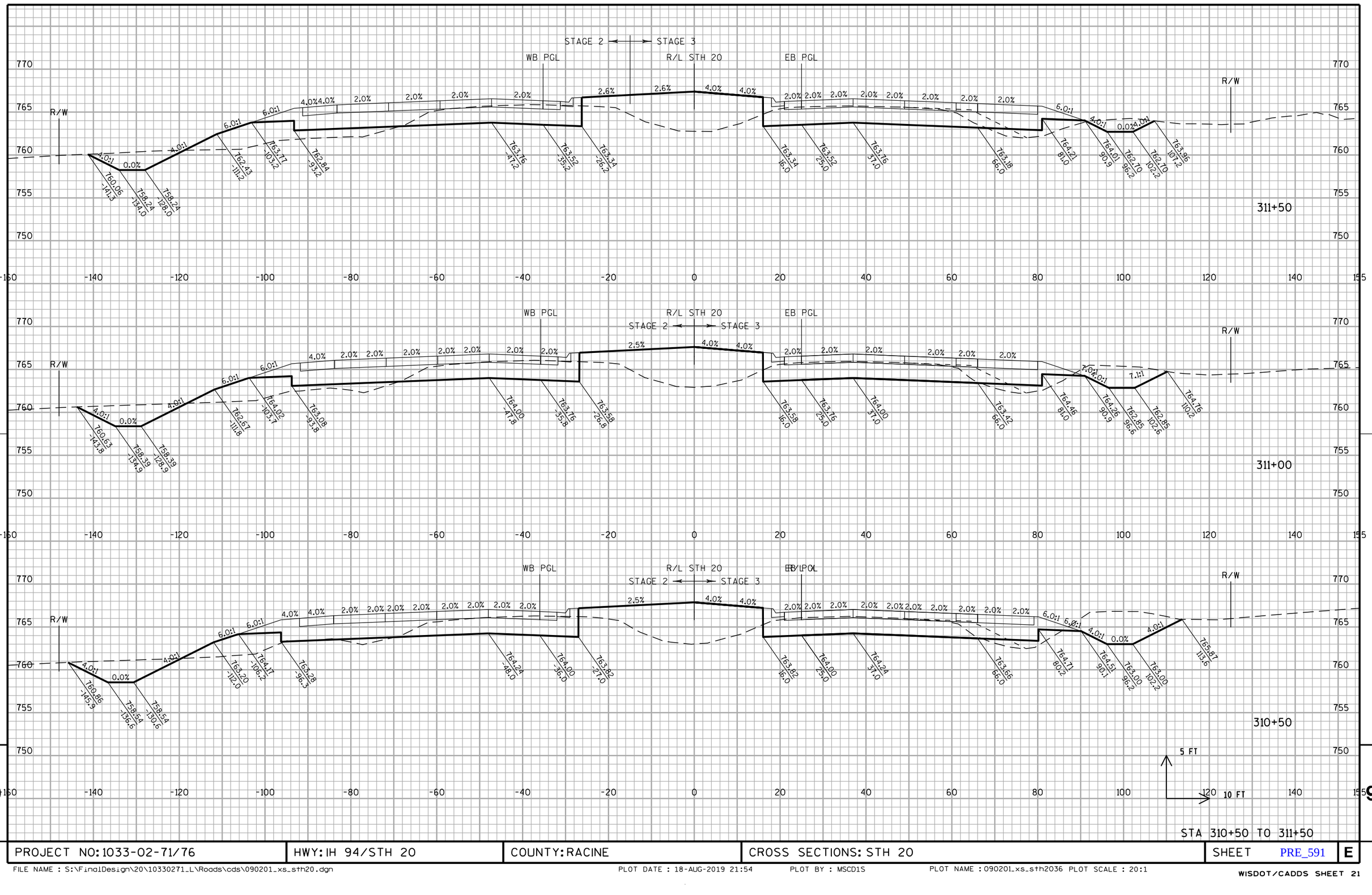


STA 309+50 TO 310+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_590	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2035 PLOT SCALE : 20:1

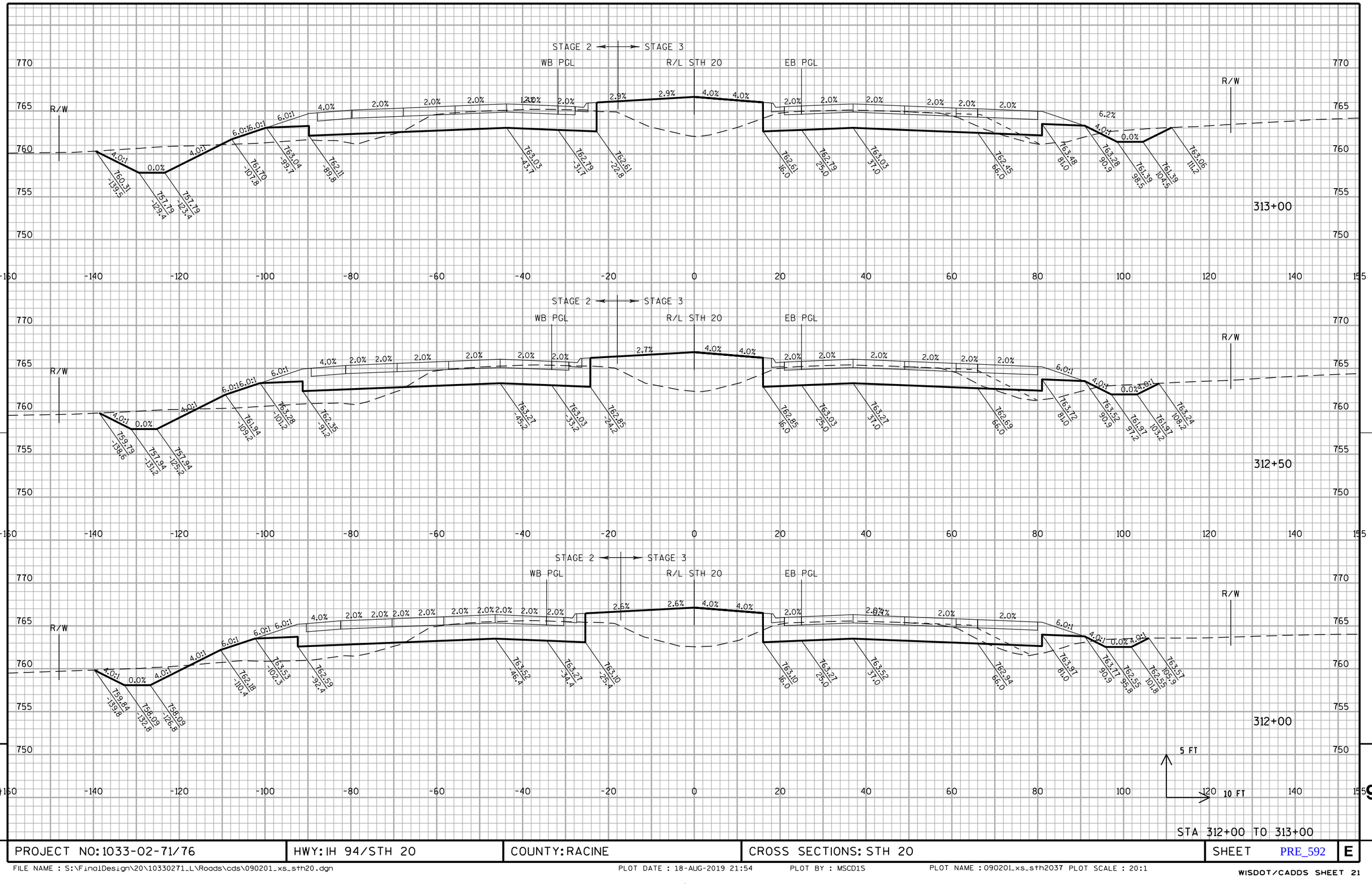
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_591	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2036 PLOT SCALE : 20:1

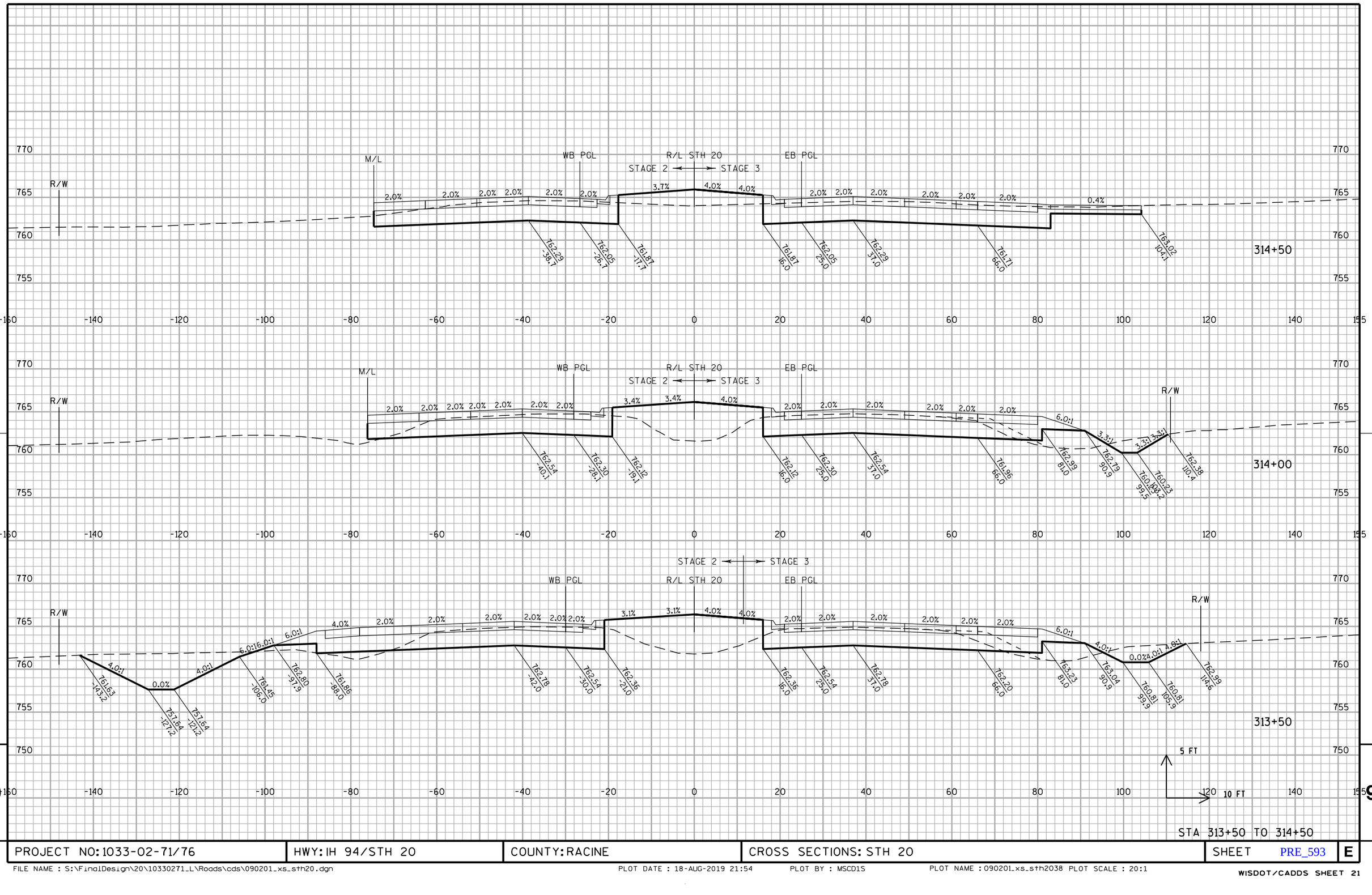
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_592	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2037 PLOT SCALE : 20:1

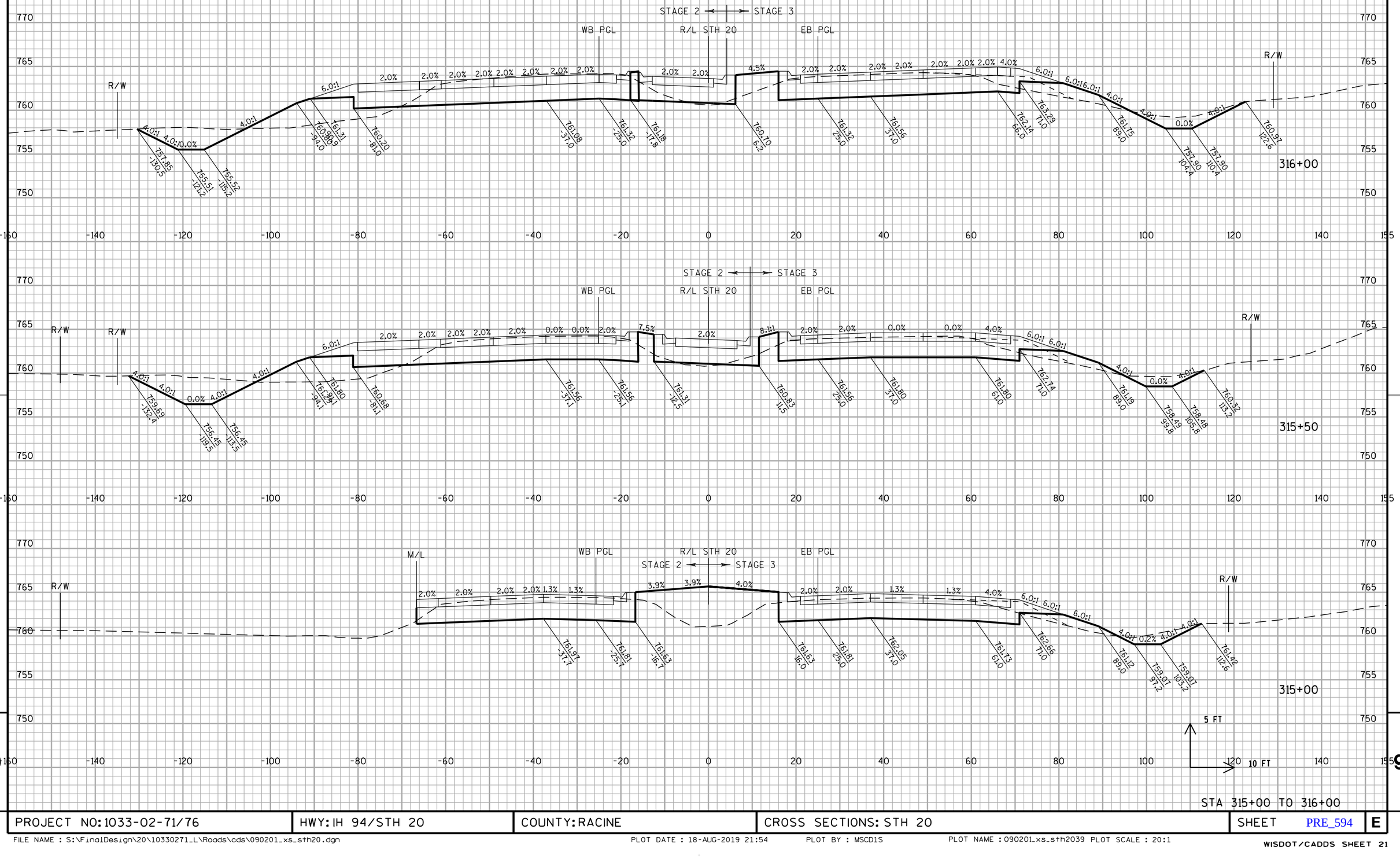
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_593	E

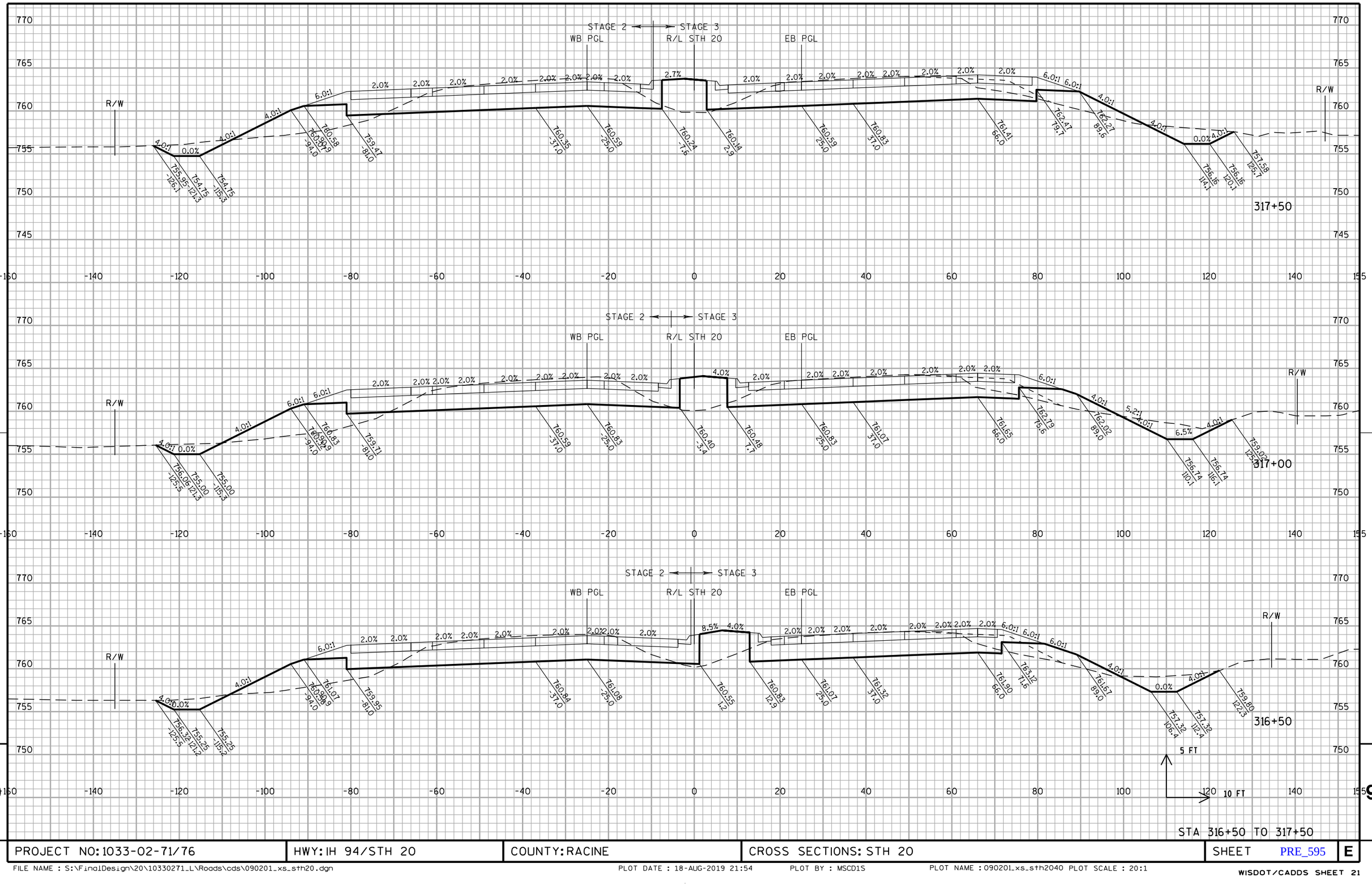
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2038 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 315+00 TO 316+00

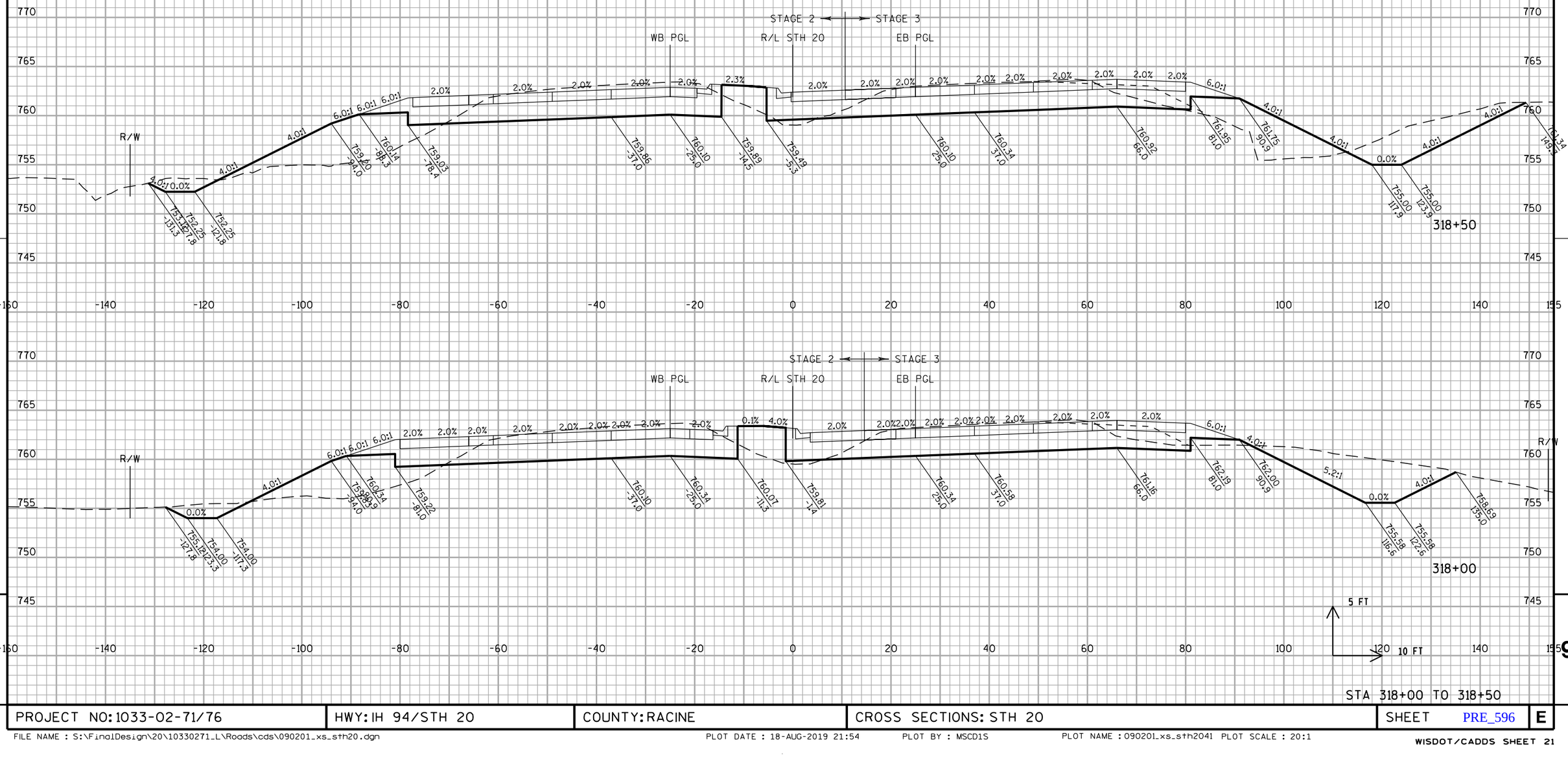
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_594	E



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_595	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2040 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

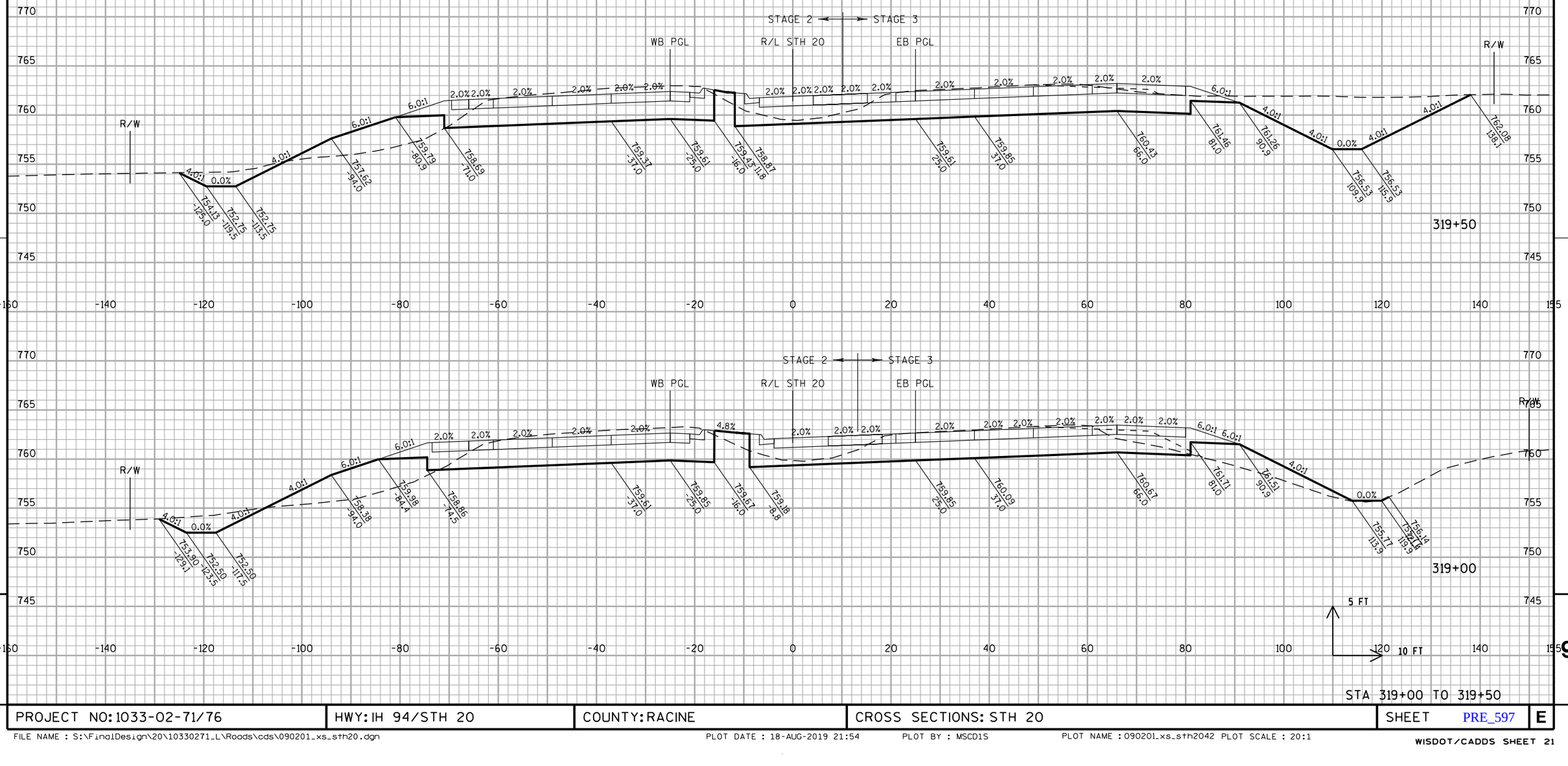


STA 318+00 TO 318+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_596	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2041 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

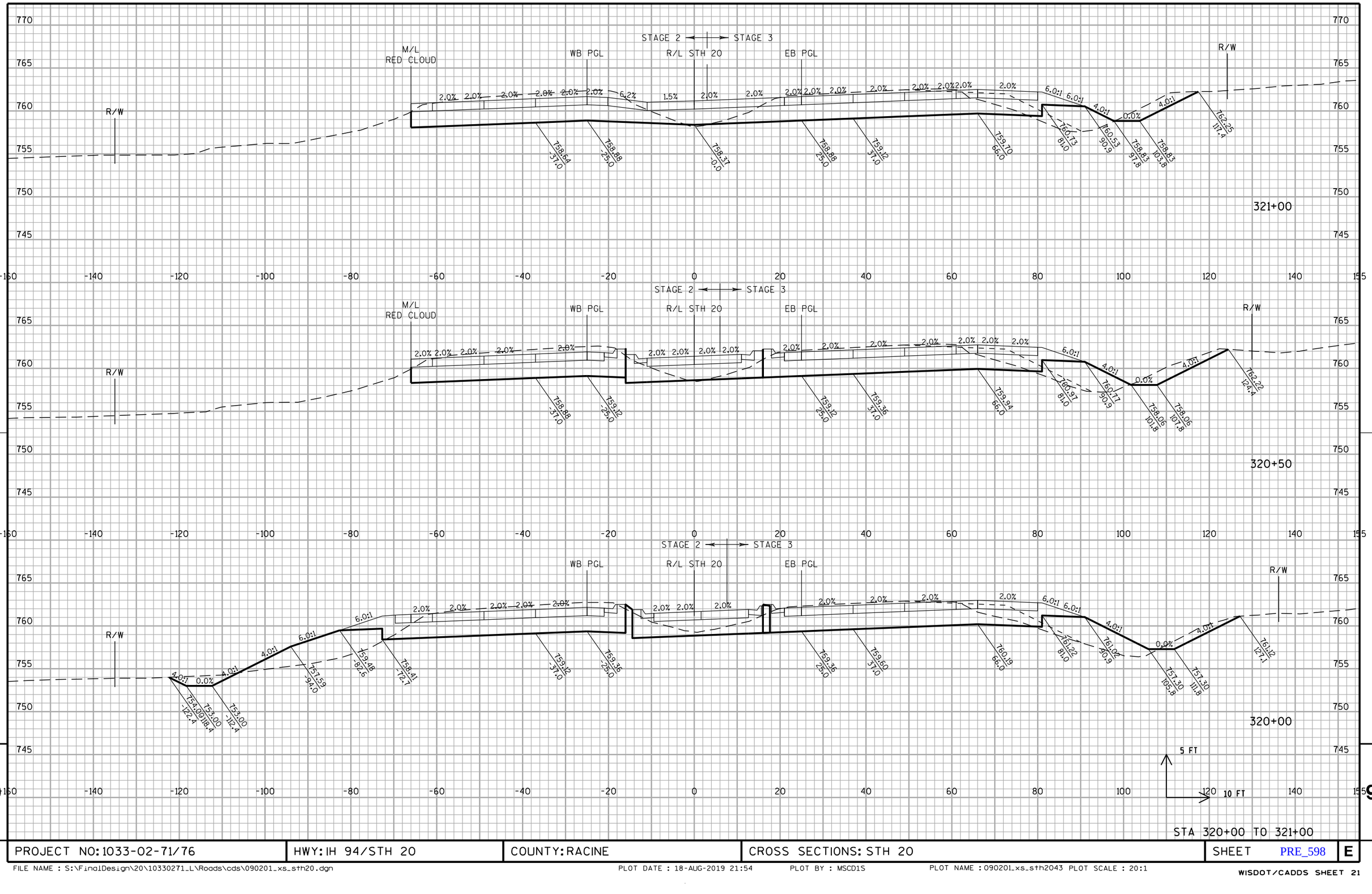


PROJECT NO: 1033-02-71/76 | HWY: IH 94/STH 20 | COUNTY: RACINE | CROSS SECTIONS: STH 20 | SHEET PRE_597 | E

STA 319+00 TO 319+50

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2042 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

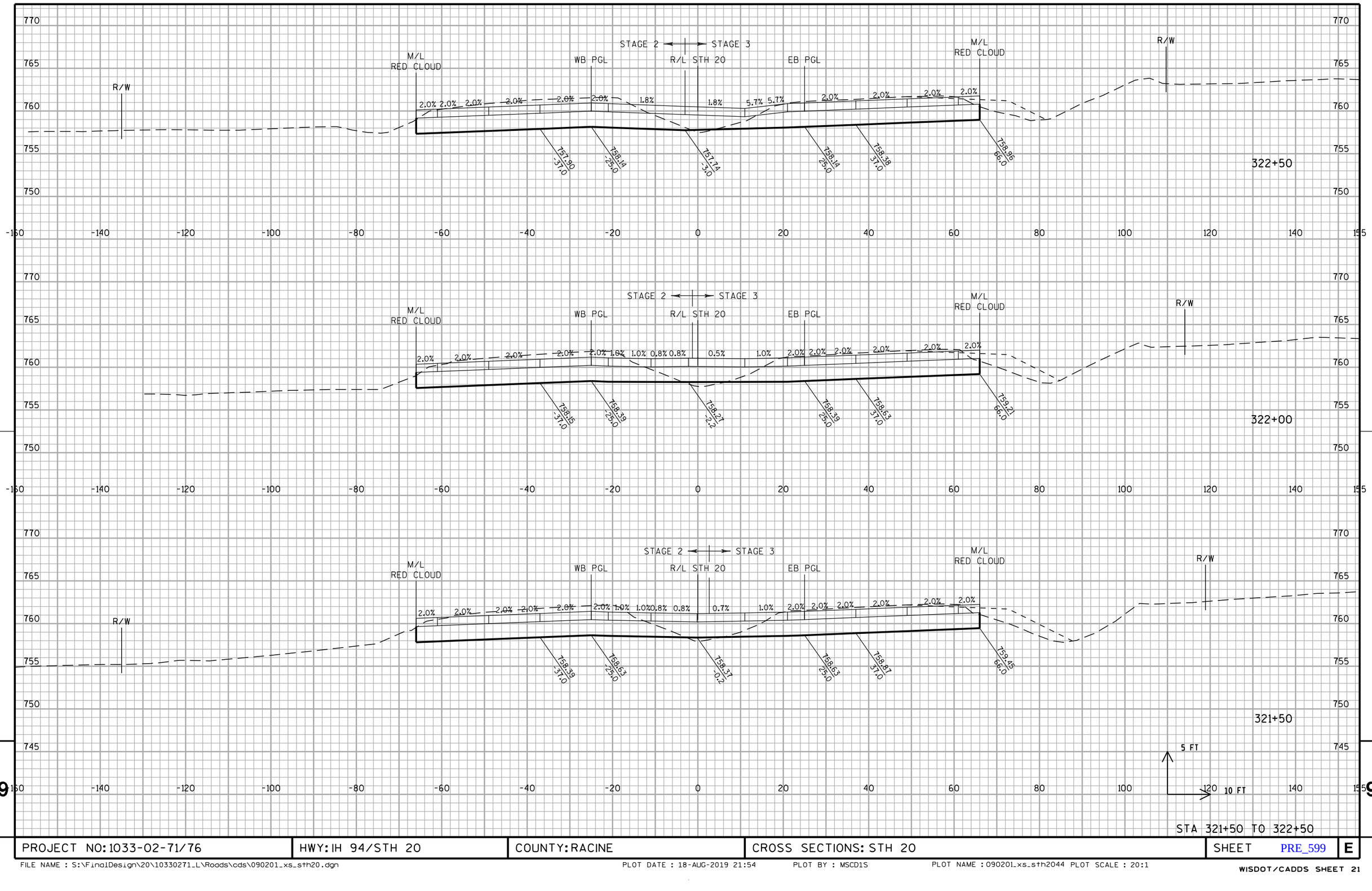


STA 320+00 TO 321+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_598	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2043 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



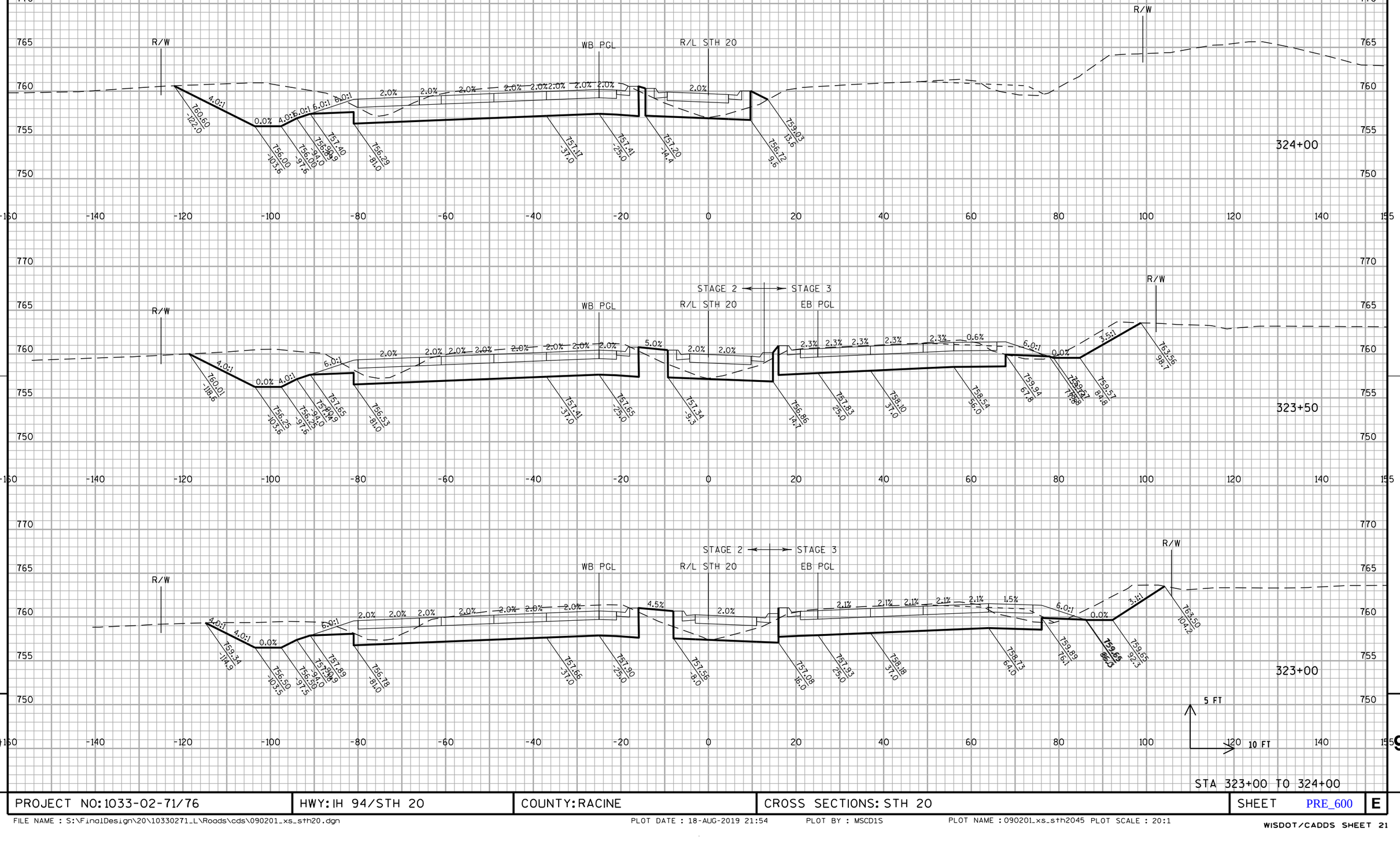
STA 321+50 TO 322+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_599	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2044 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



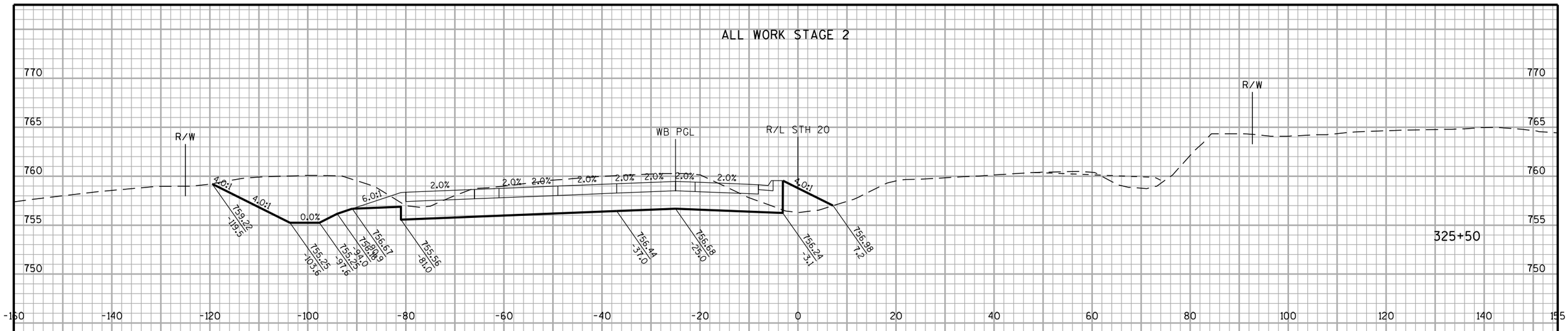
STA 323+00 TO 324+00

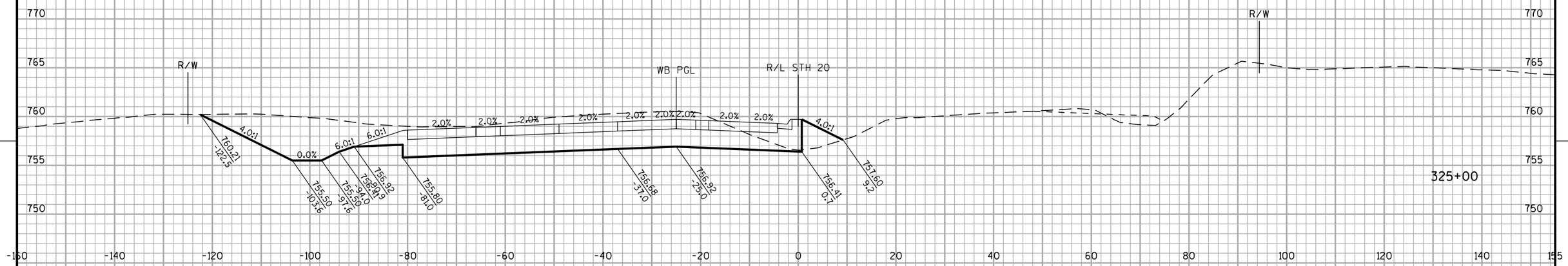
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_600	E

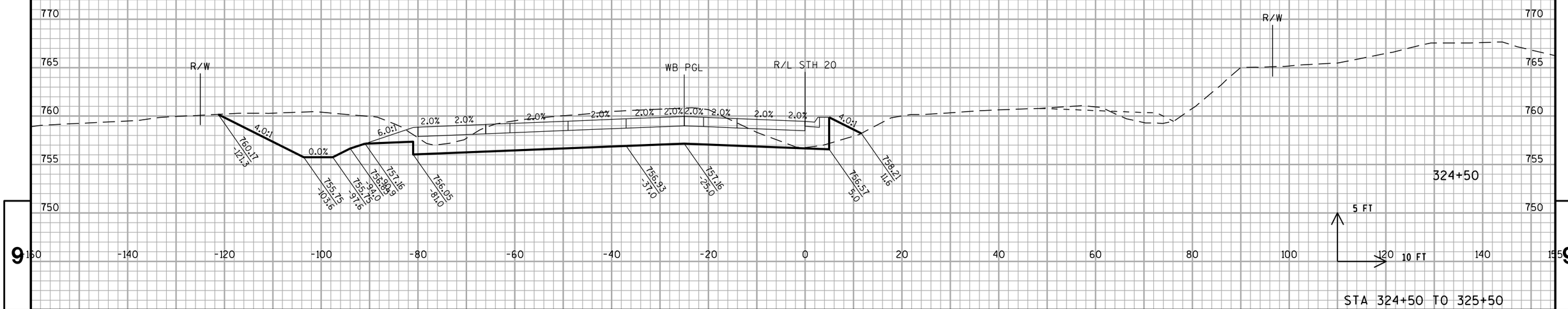
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2045 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2







STA 324+50 TO 325+50

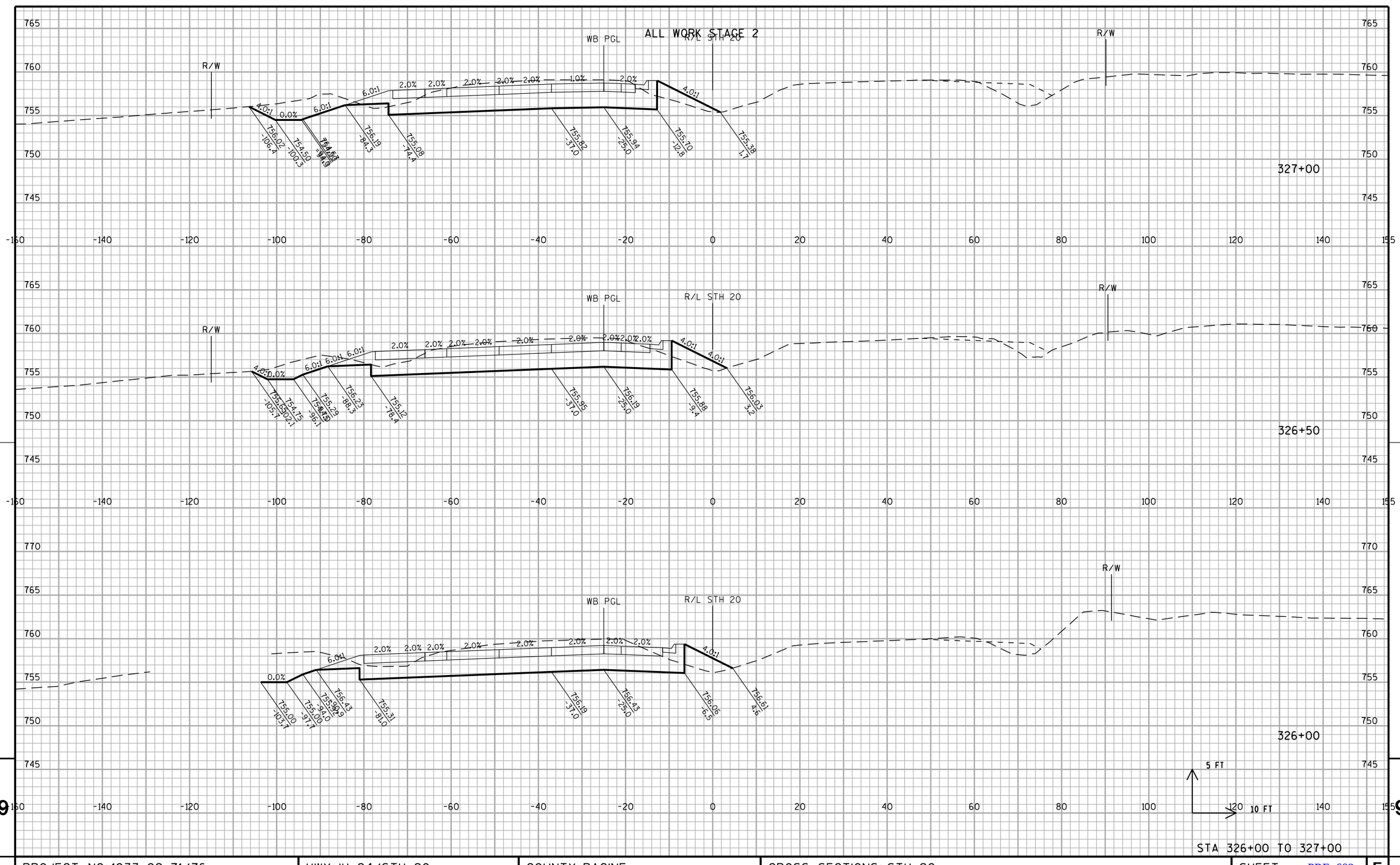
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_601	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2046 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK STAGE 2



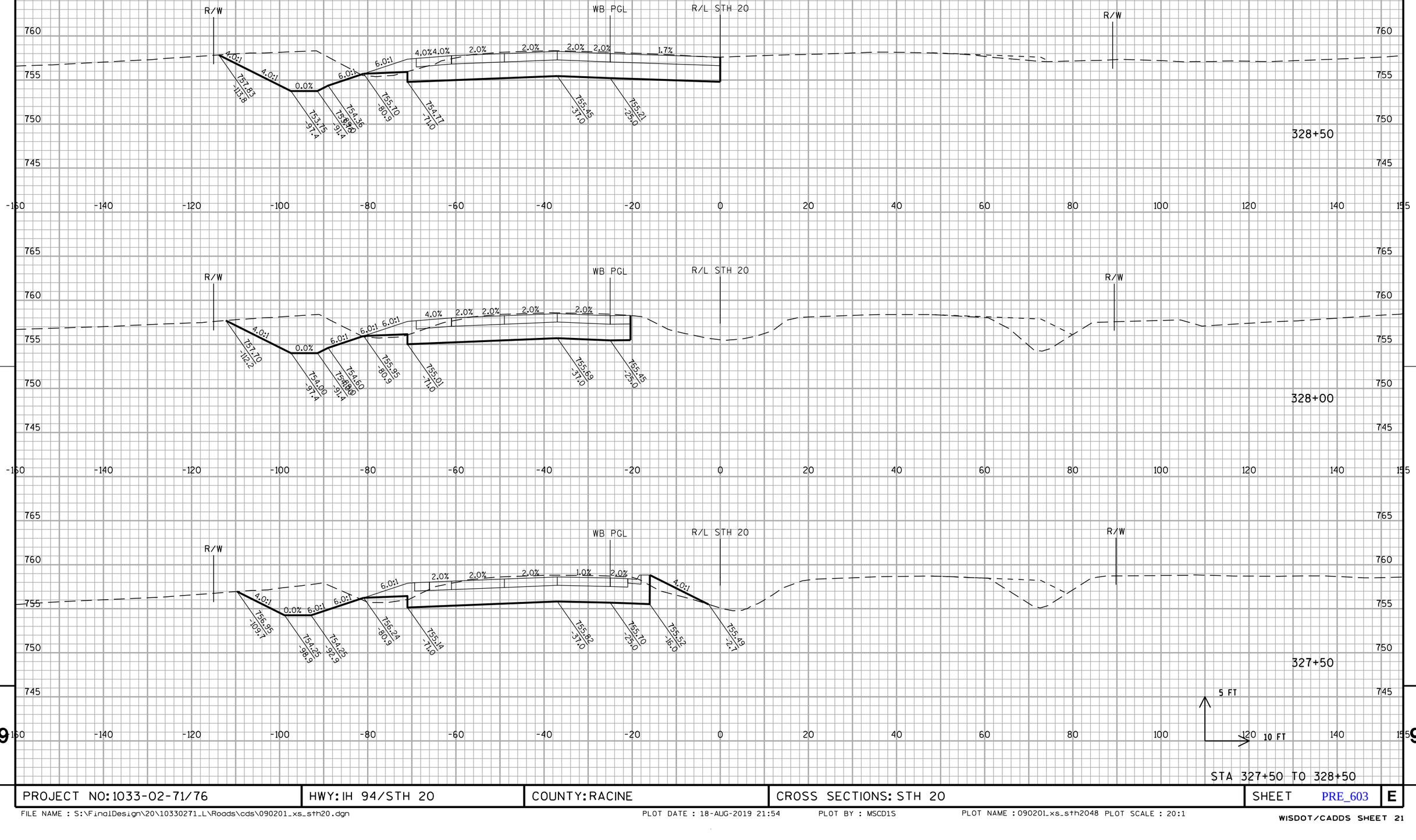
STA 326+00 TO 327+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_602	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2047 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

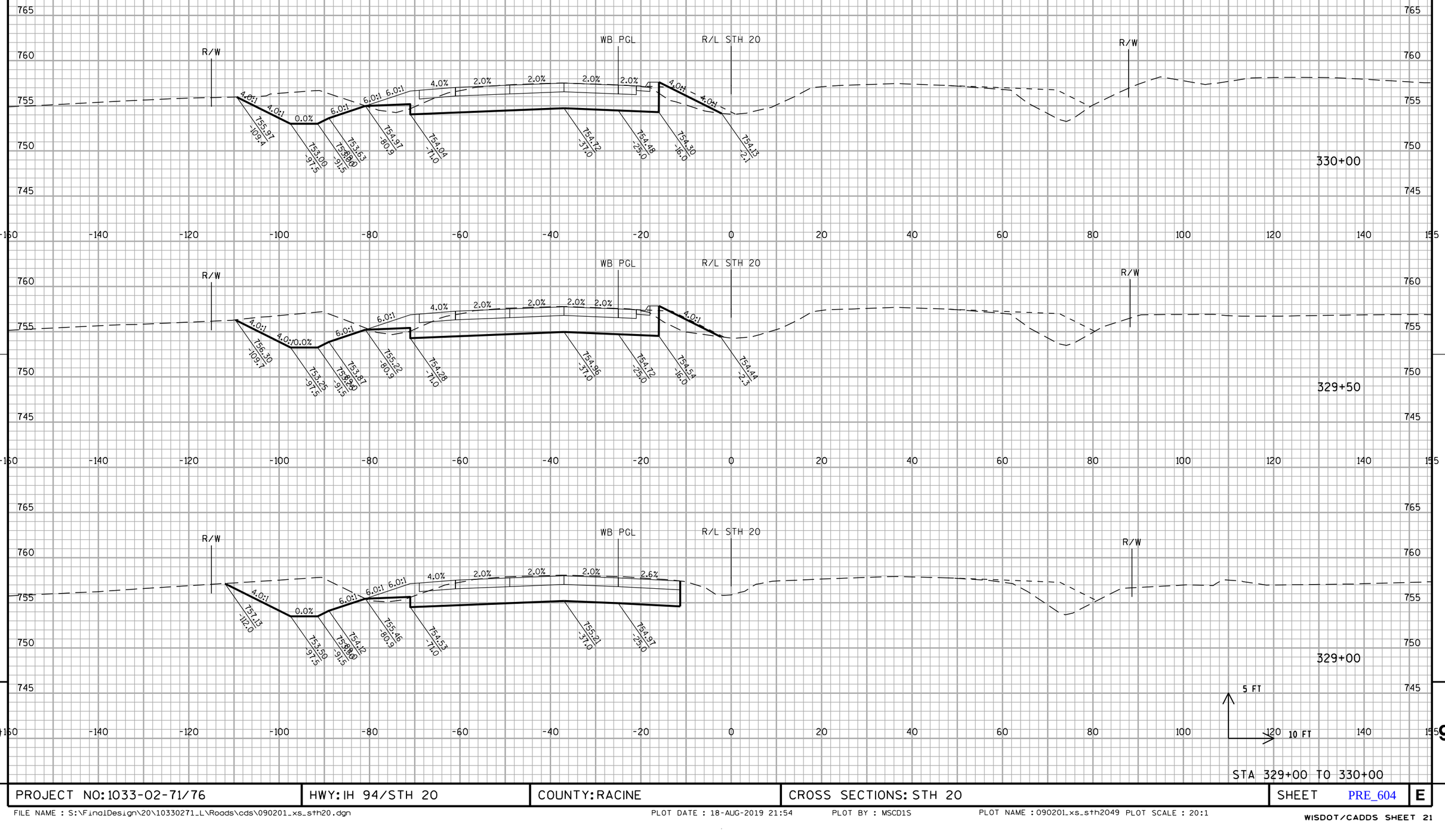


STA 327+50 TO 328+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_603	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2048 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



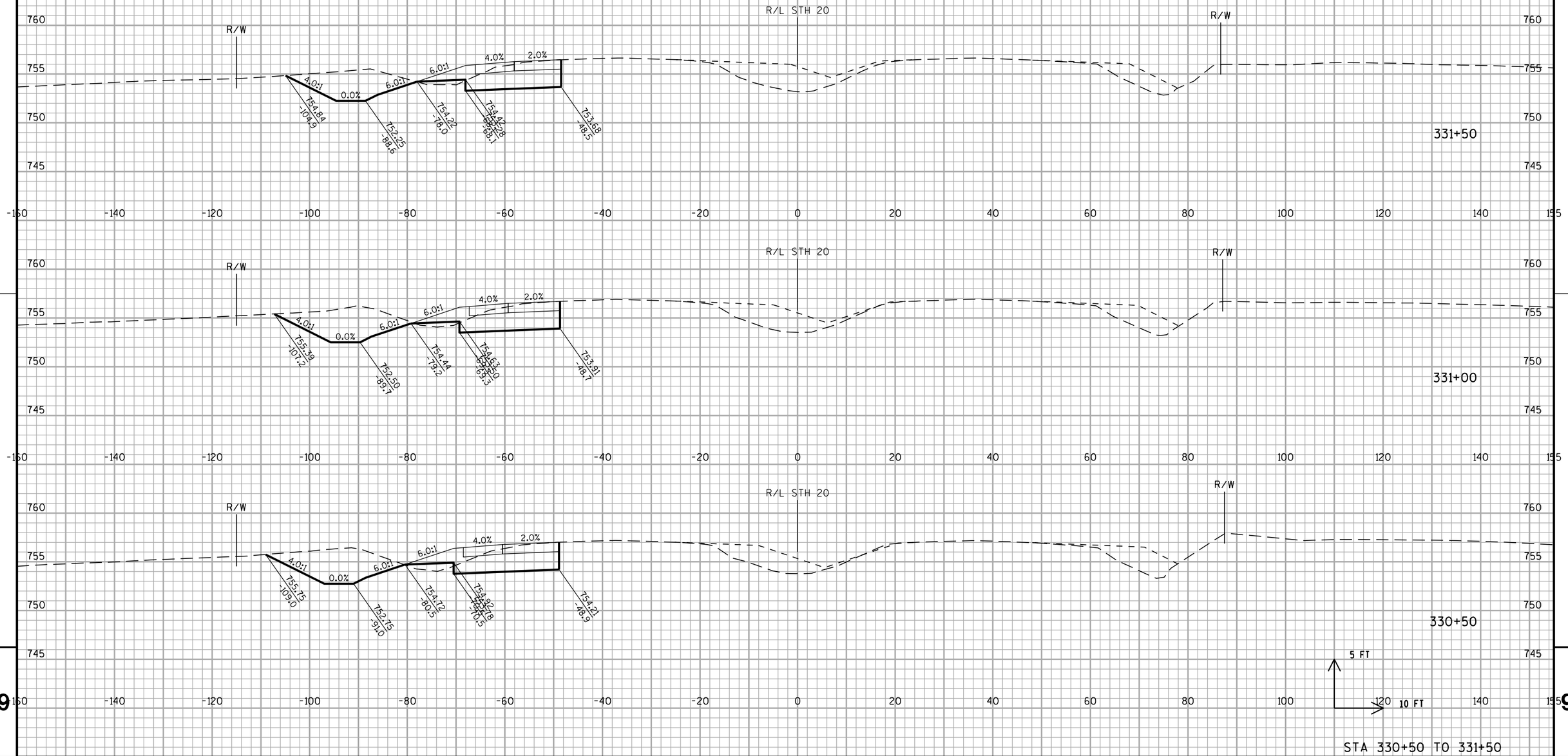
STA 329+00 TO 330+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_604	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2049 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



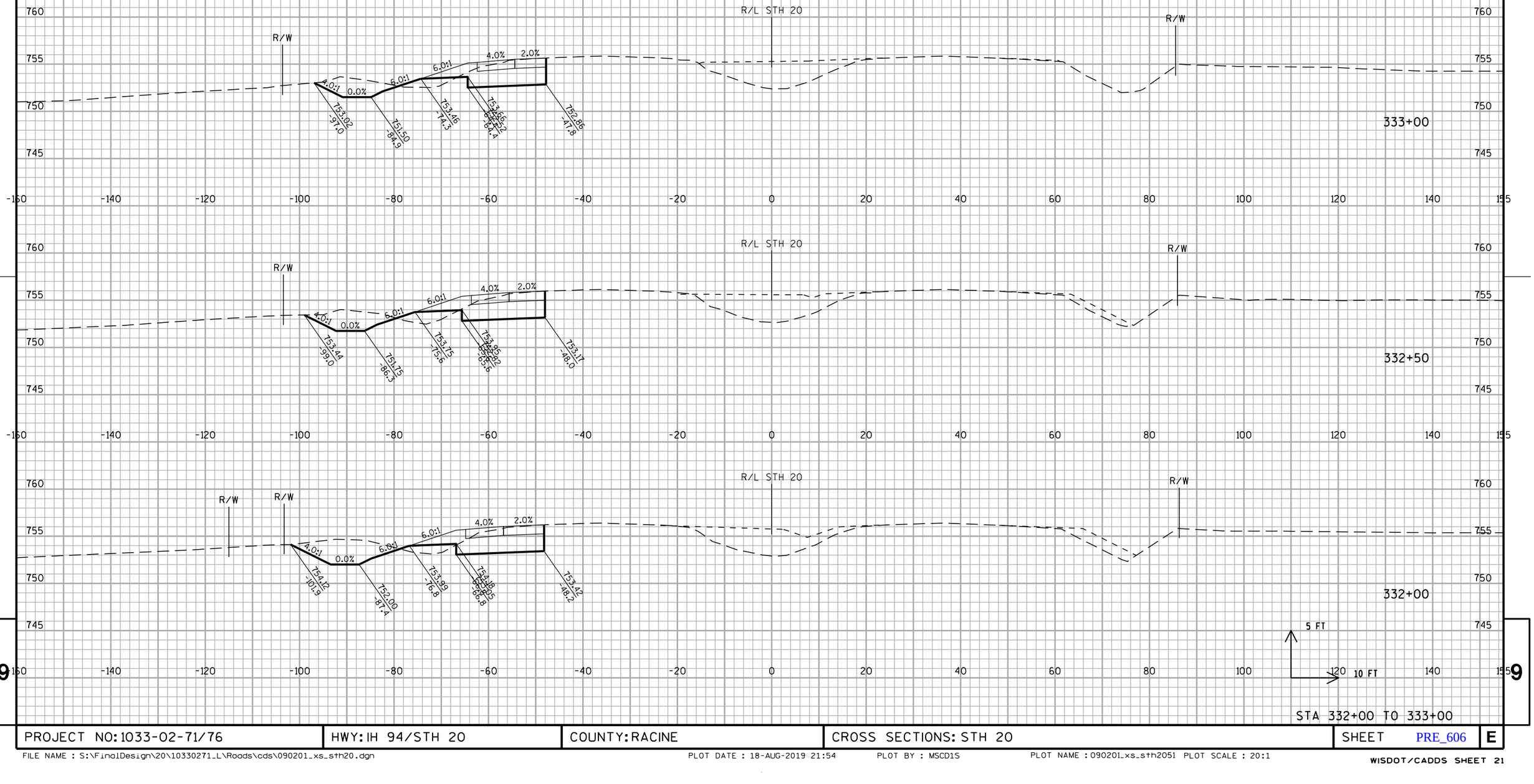
STA 330+50 TO 331+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_605	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2050 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 332+00 TO 333+00

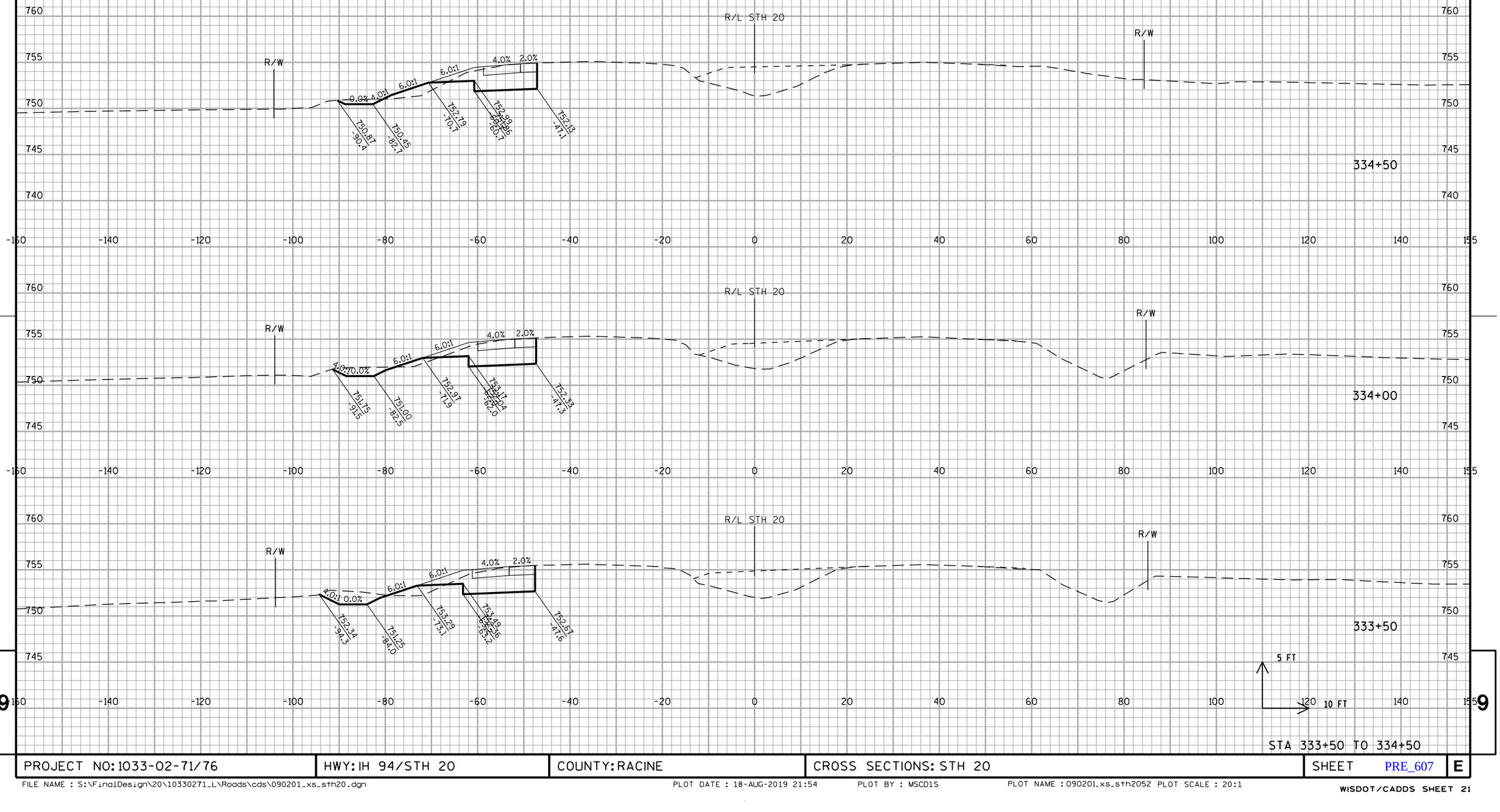
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_606	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2051 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK STAGE 2



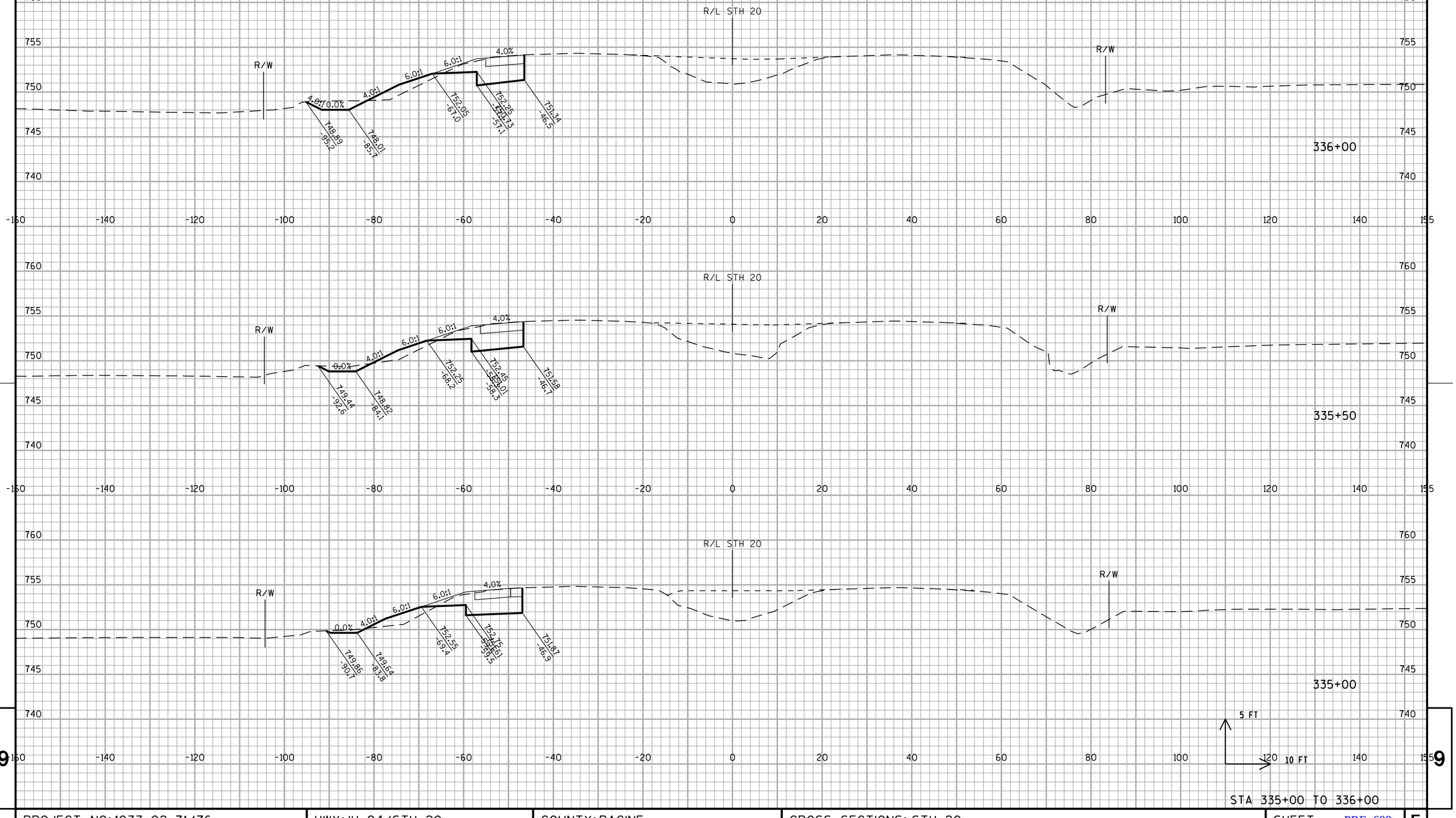
STA 333+50 TO 334+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_607	E

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2052 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



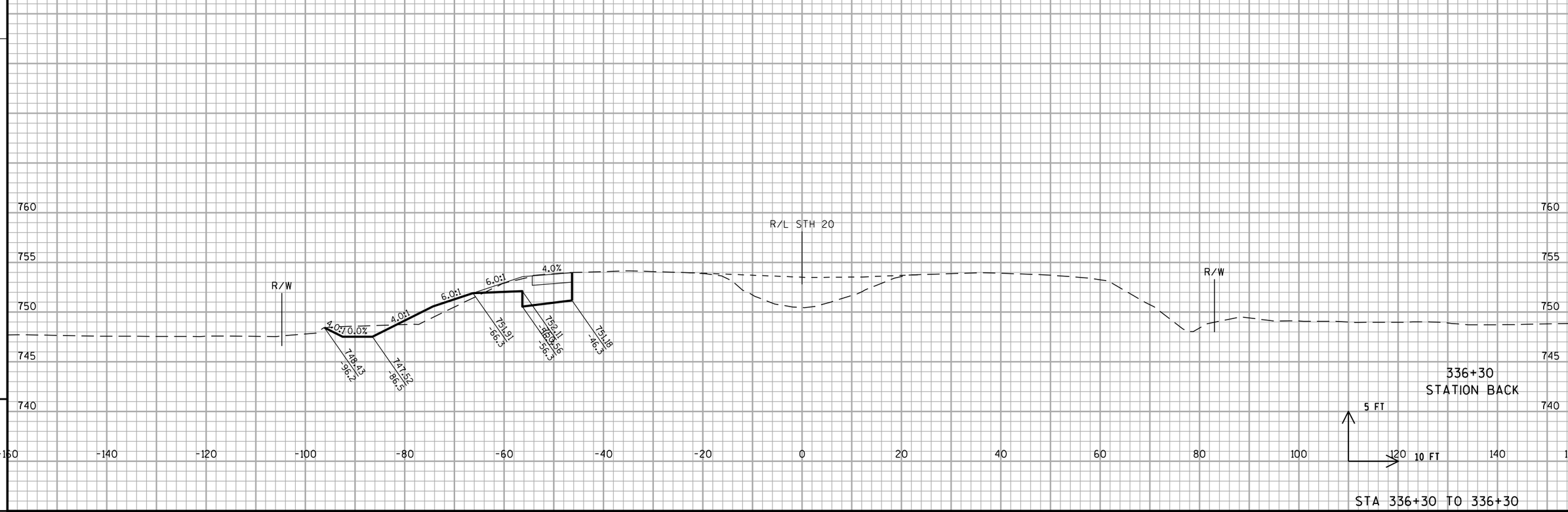
STA 335+00 TO 336+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_608	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2053 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

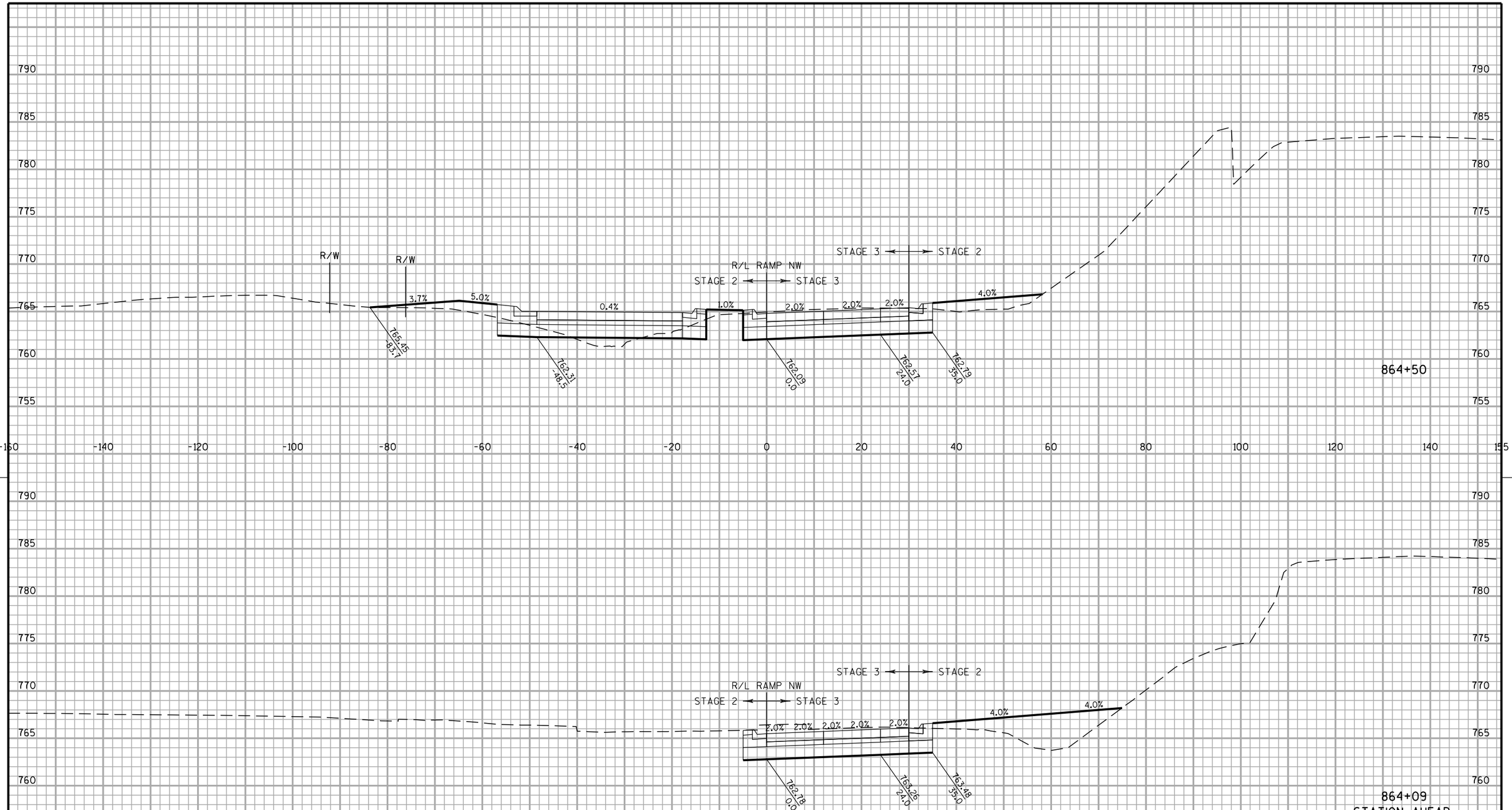


STA 336+30 TO 336+30

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: STH 20	SHEET PRE_609	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090201_xs_sth20.dgn PLOT DATE : 18-AUG-2019 21:54 PLOT BY : MSCD1S PLOT NAME : 090201_xs_sth2054 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

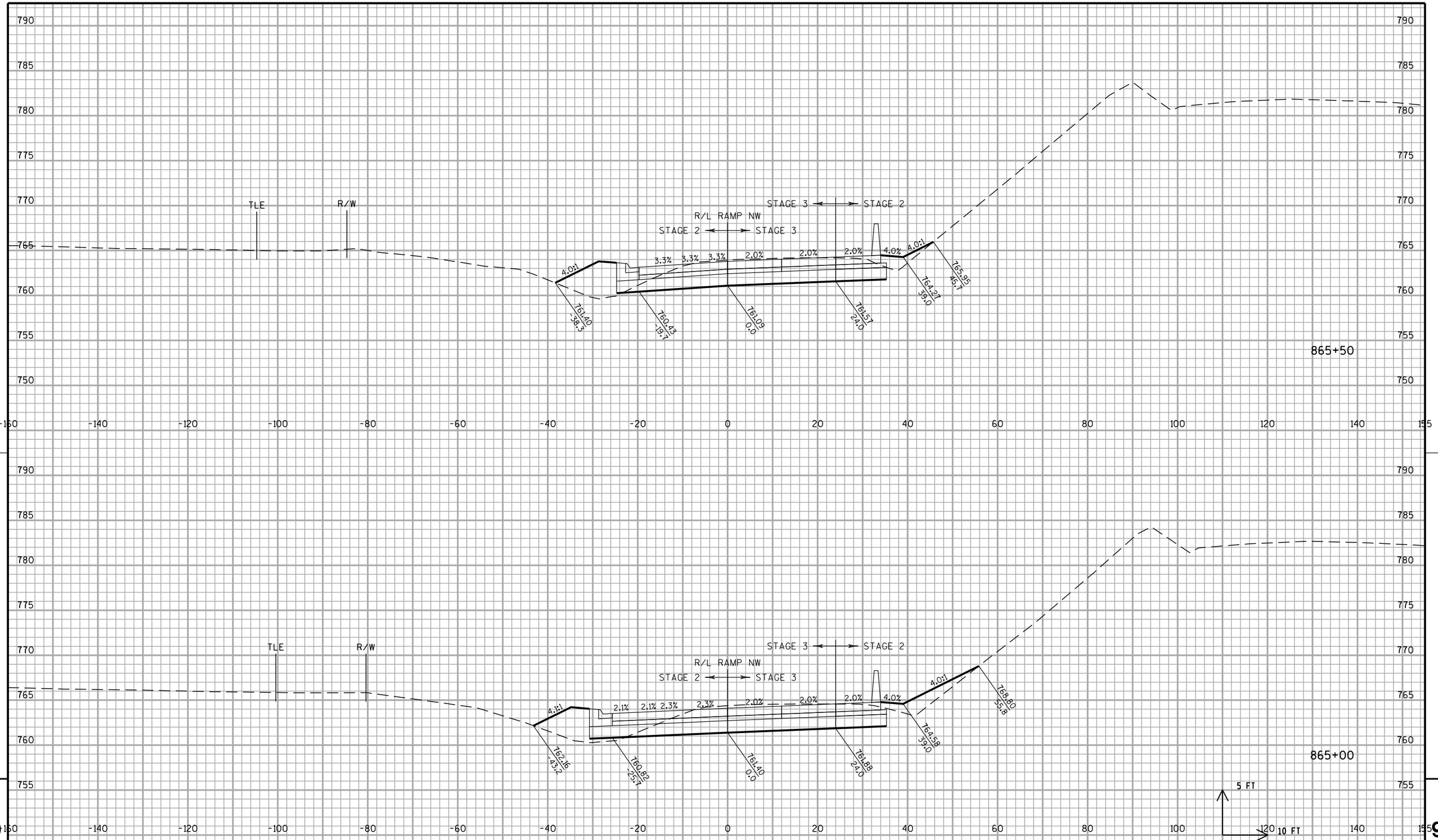


STA 864+09 TO 864+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET PRE_610	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090202_xs_rampnw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090202_xs_rampnw PLOT SCALE : 20:1

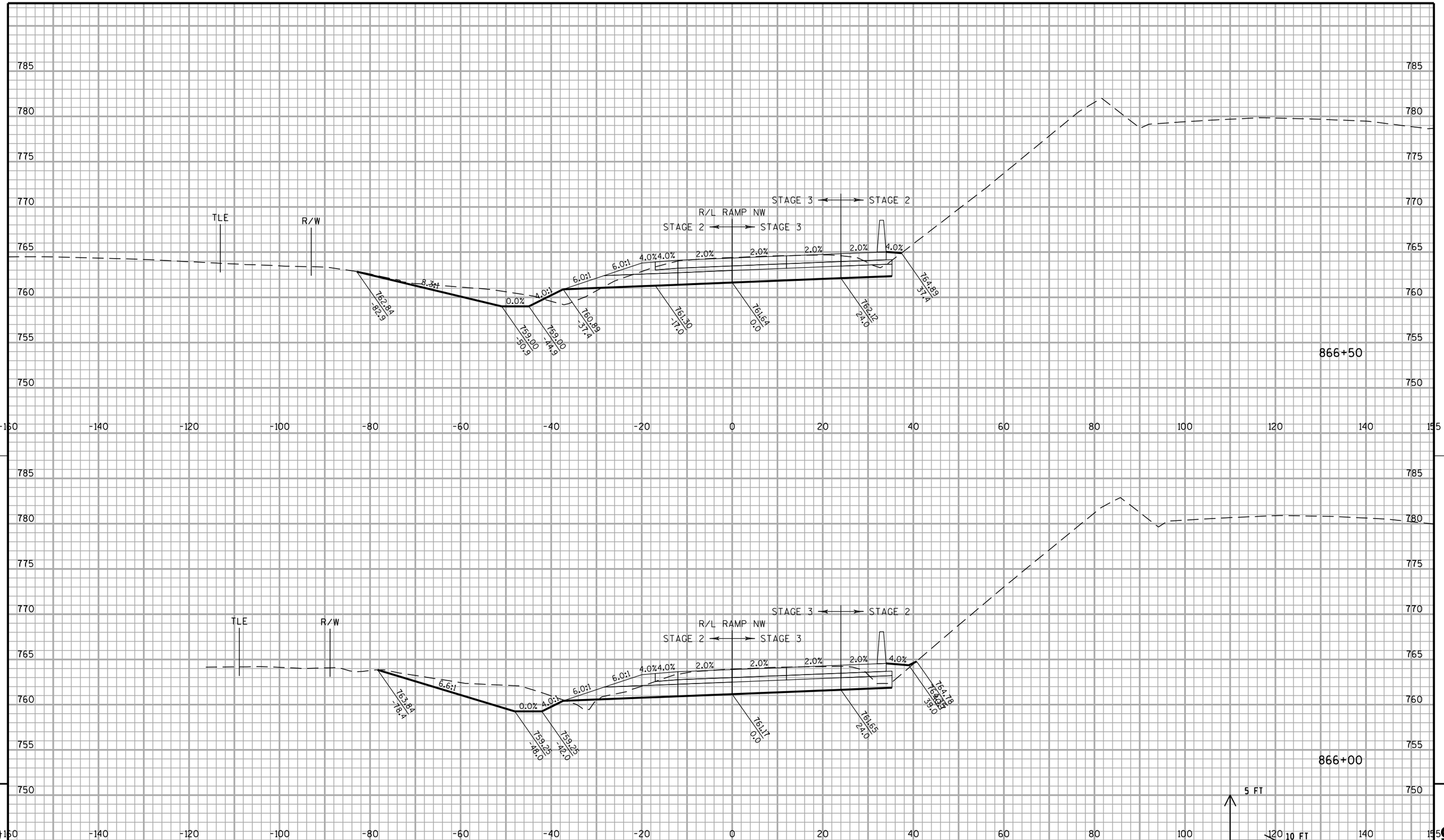
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET PRE_611	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090202_xs_rampnw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090202_xs_rampnw1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



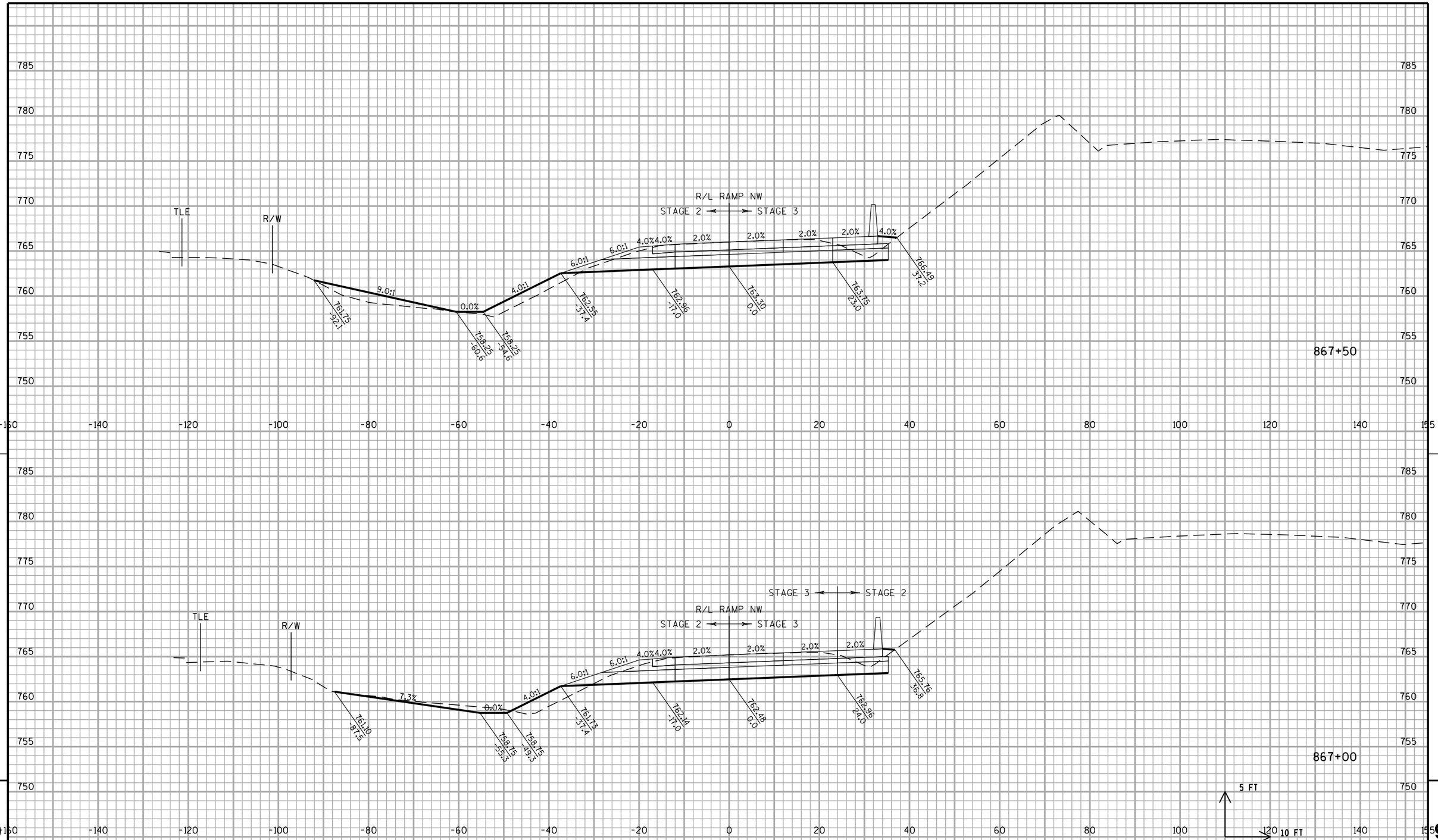
STA 866+00 TO 866+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET PRE_612	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090202_xs_rampnw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090202_xs_rampnw2PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

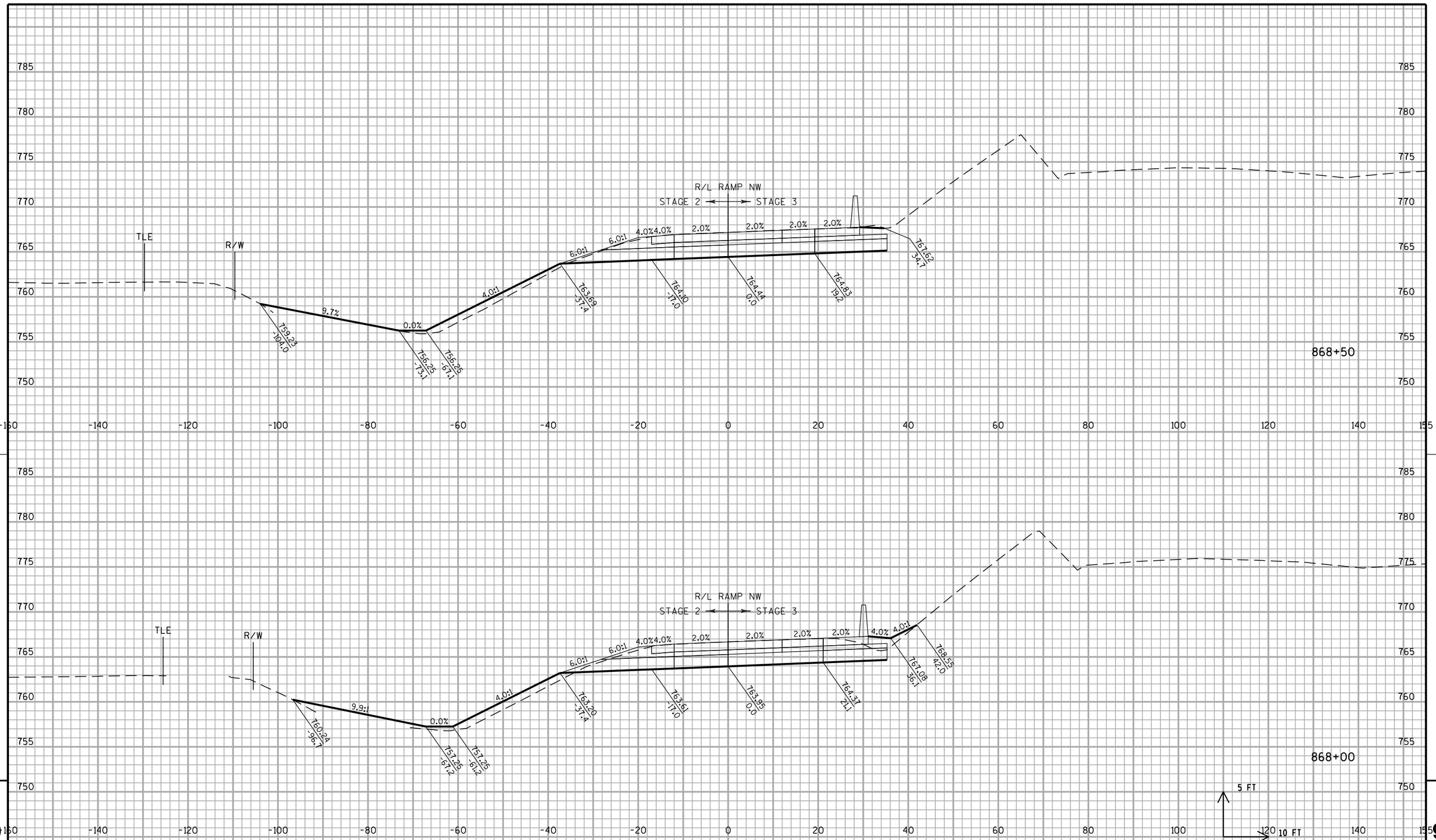


STA 867+00 TO 867+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET PRE_613	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090202_xs_rampnw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090202_xs_rampnw3PLOT SCALE : 20:1

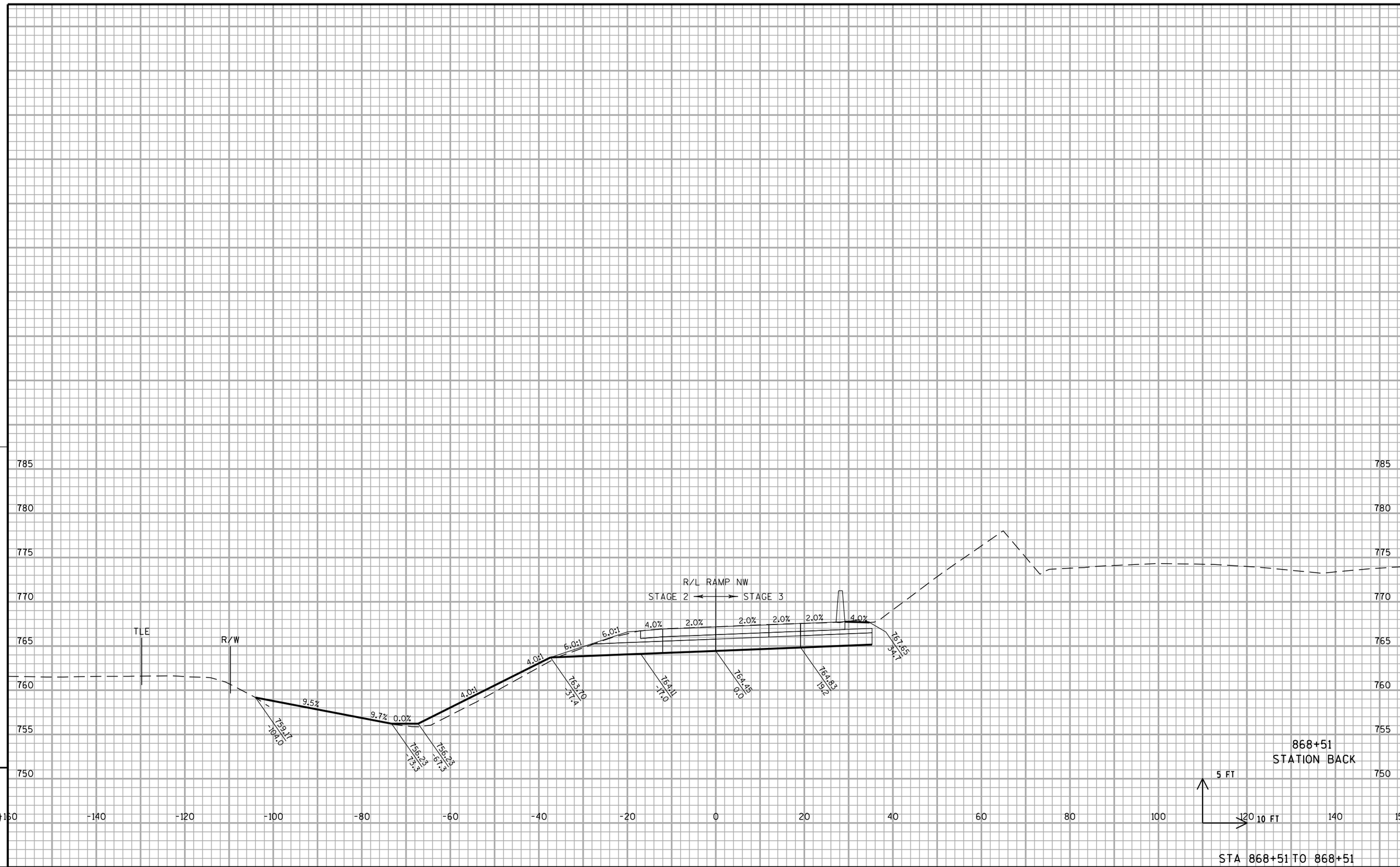
WISDOT/CADDS SHEET 21



9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET PRE_614	E

STA 868+00 TO 868+50

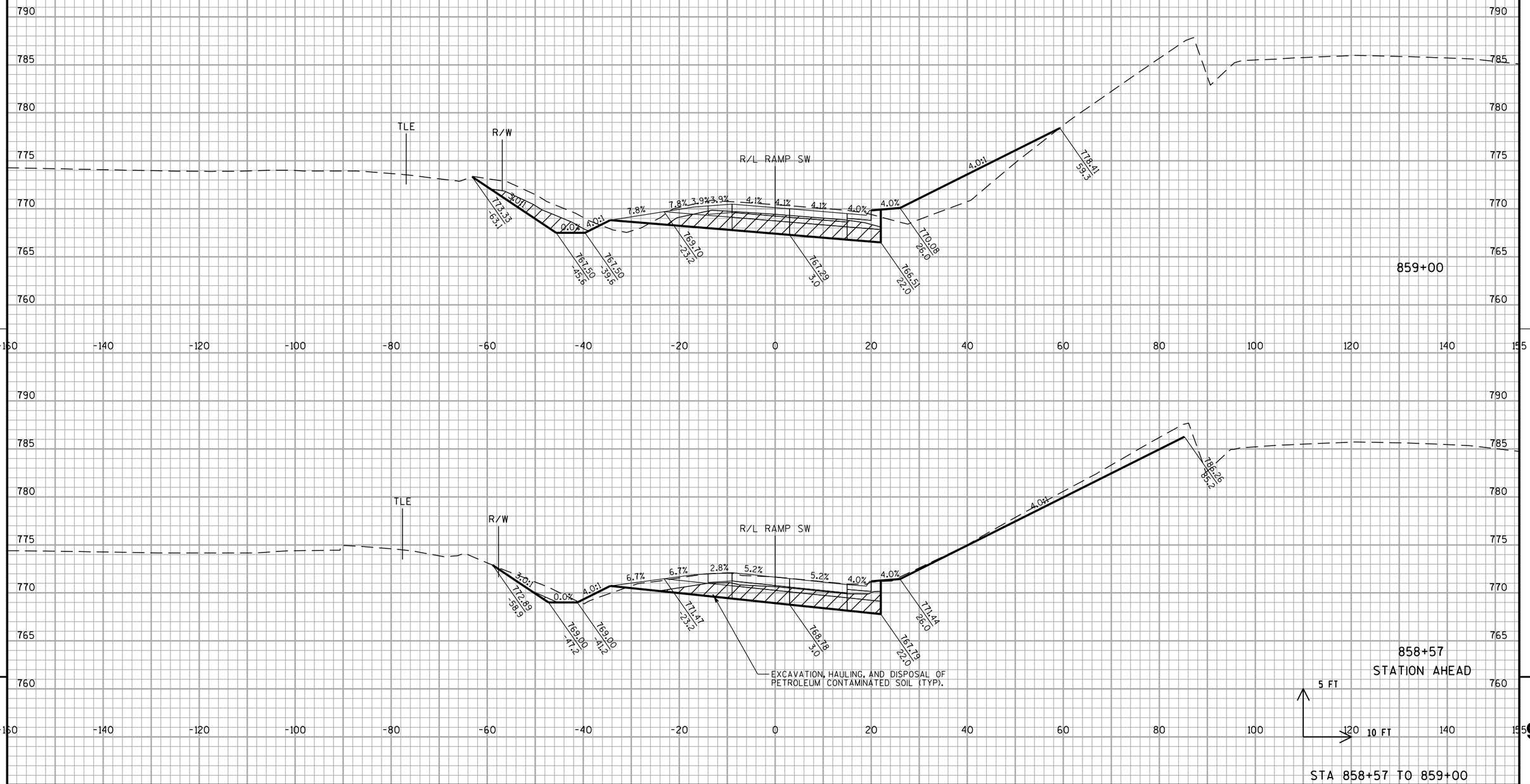


STA 868+51 TO 868+51

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NW	SHEET PRE_615	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090202_xs_rampnw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090202_xs_rampnw5PLOT SCALE : 20:1

ALL WORK STAGE 2

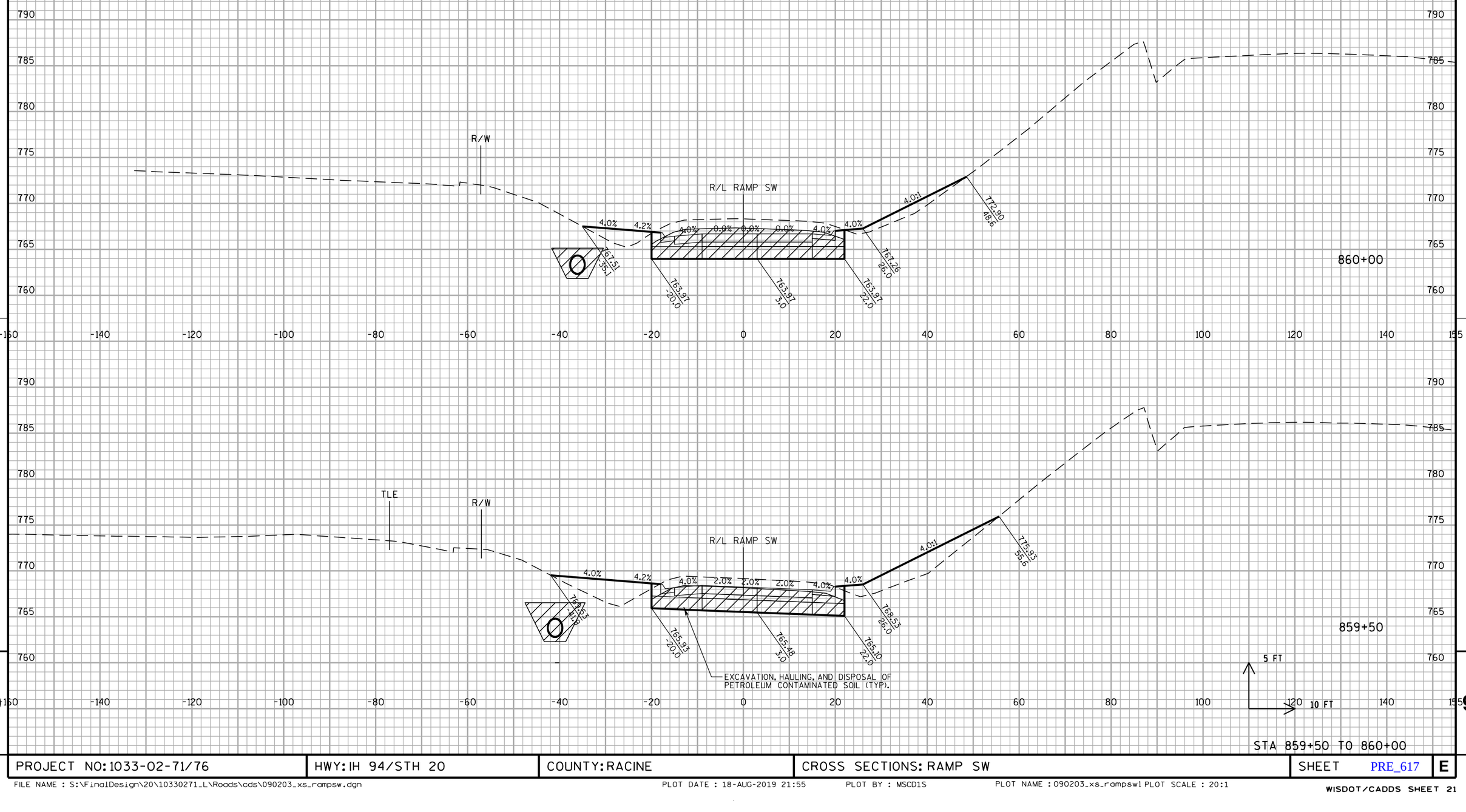


STA 858+57 TO 859+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET PRE_616	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090203_xs_rampsw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090203_xs_rampsw PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

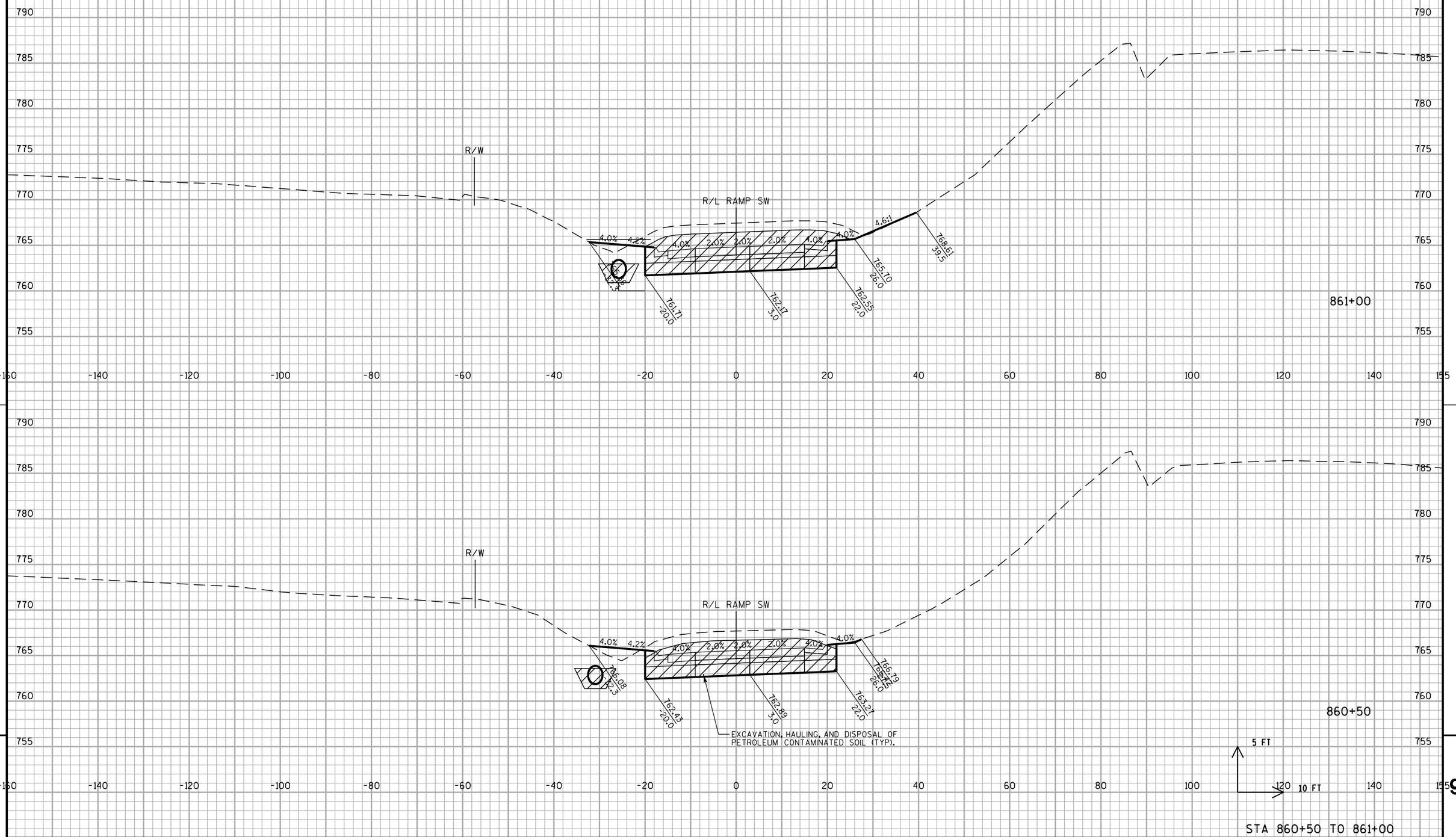


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET PRE_617	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090203_xs_rampsw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090203_xs_rampsw1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 860+50 TO 861+00

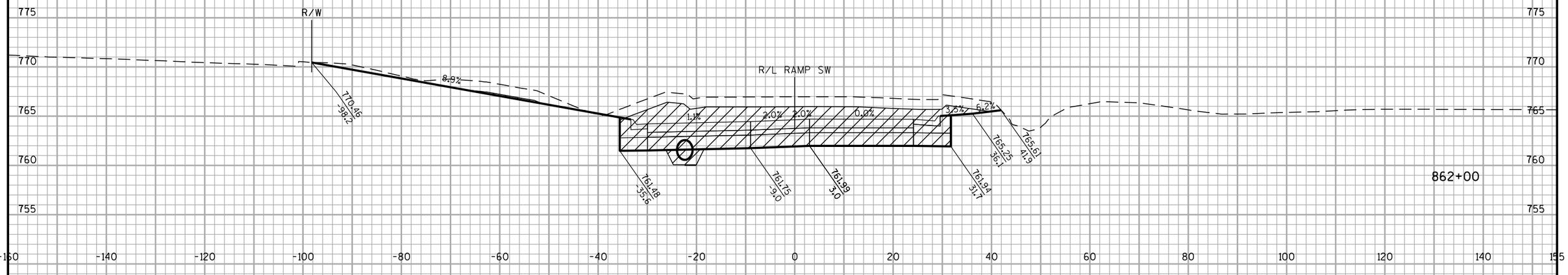
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET PRE_618	E

9

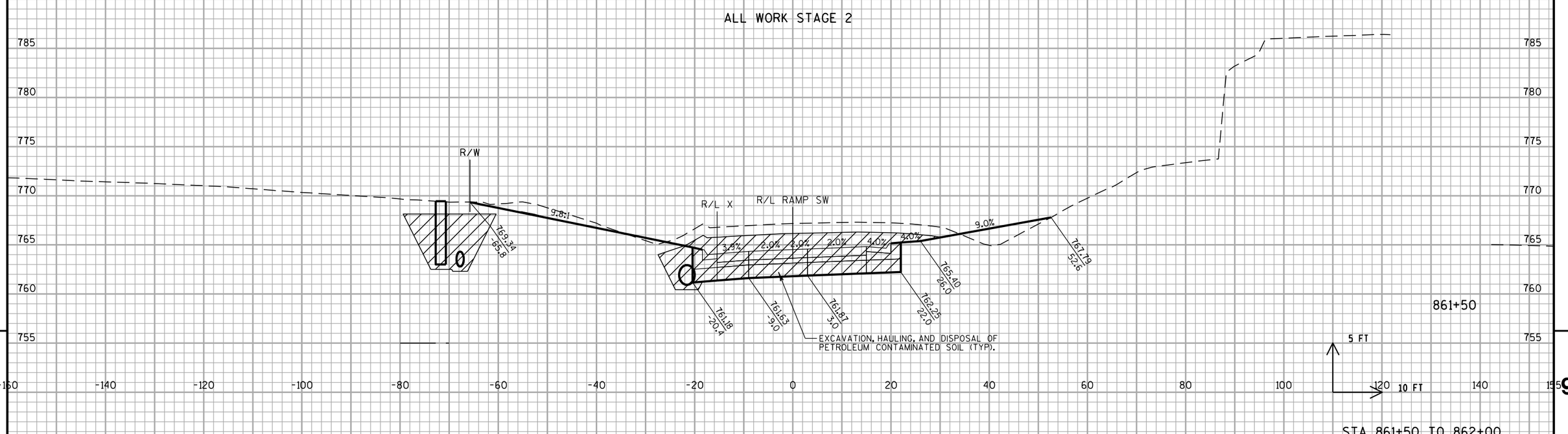
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090203_xs_rampsw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090203_xs_rampsw2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 3



ALL WORK STAGE 2



STA 861+50 TO 862+00

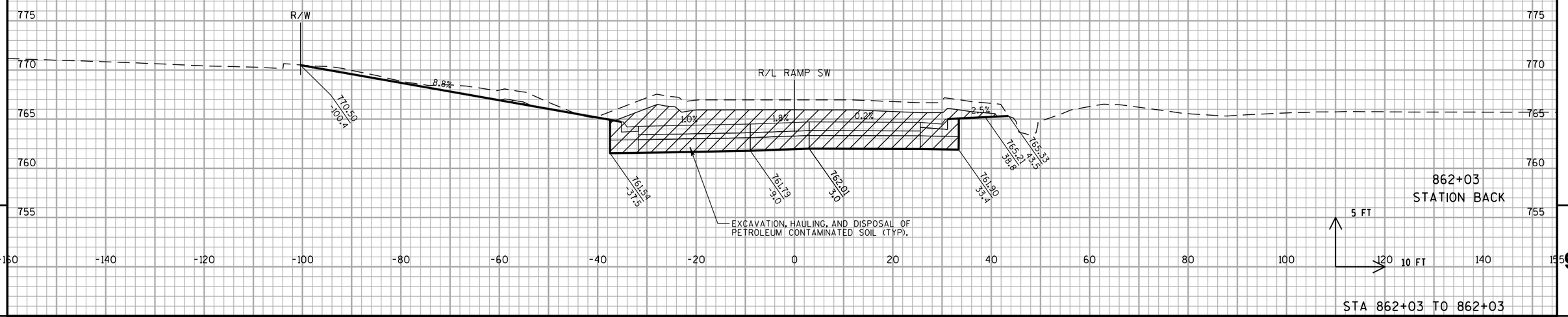
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET PRE_619	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090203_xs_rampsw.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090203_xs_rampsw3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

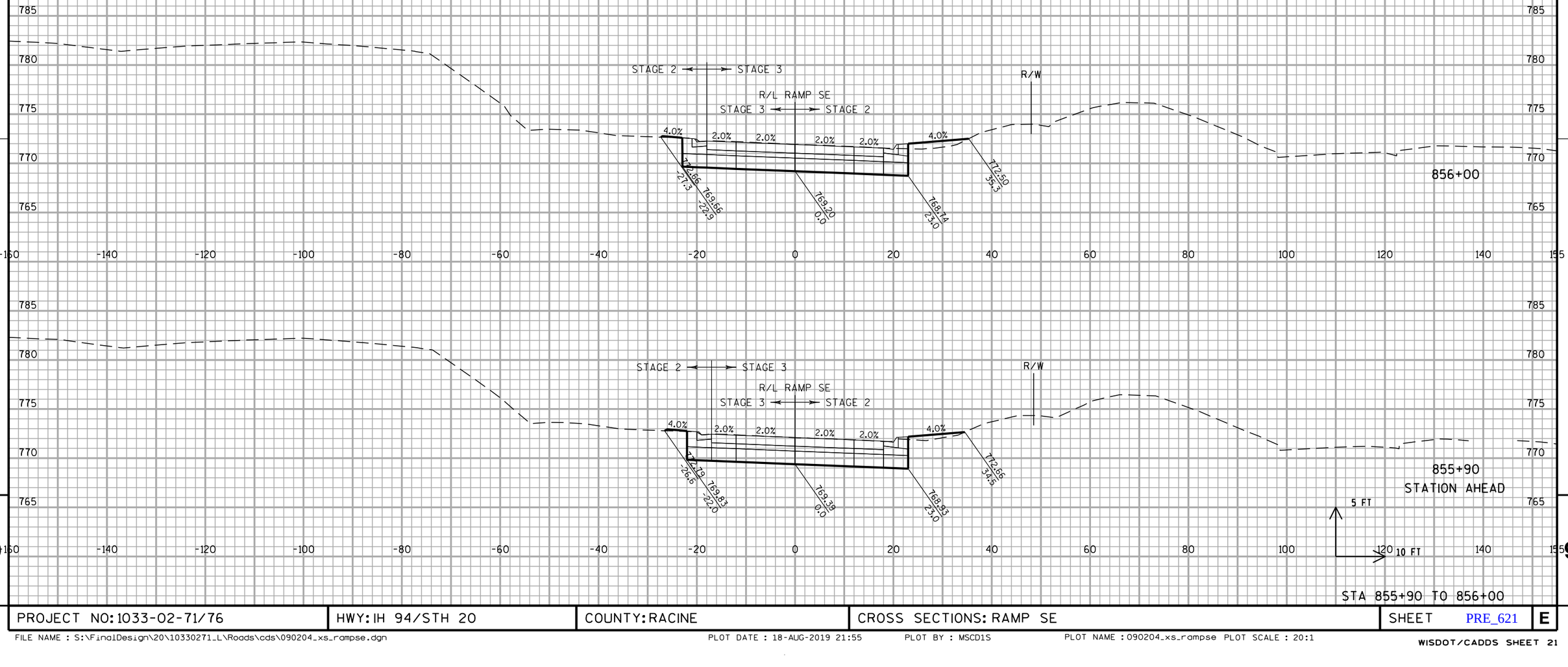
9

ALL WORK STAGE 3



STA 862+03 TO 862+03

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SW	SHEET PRE_620	E

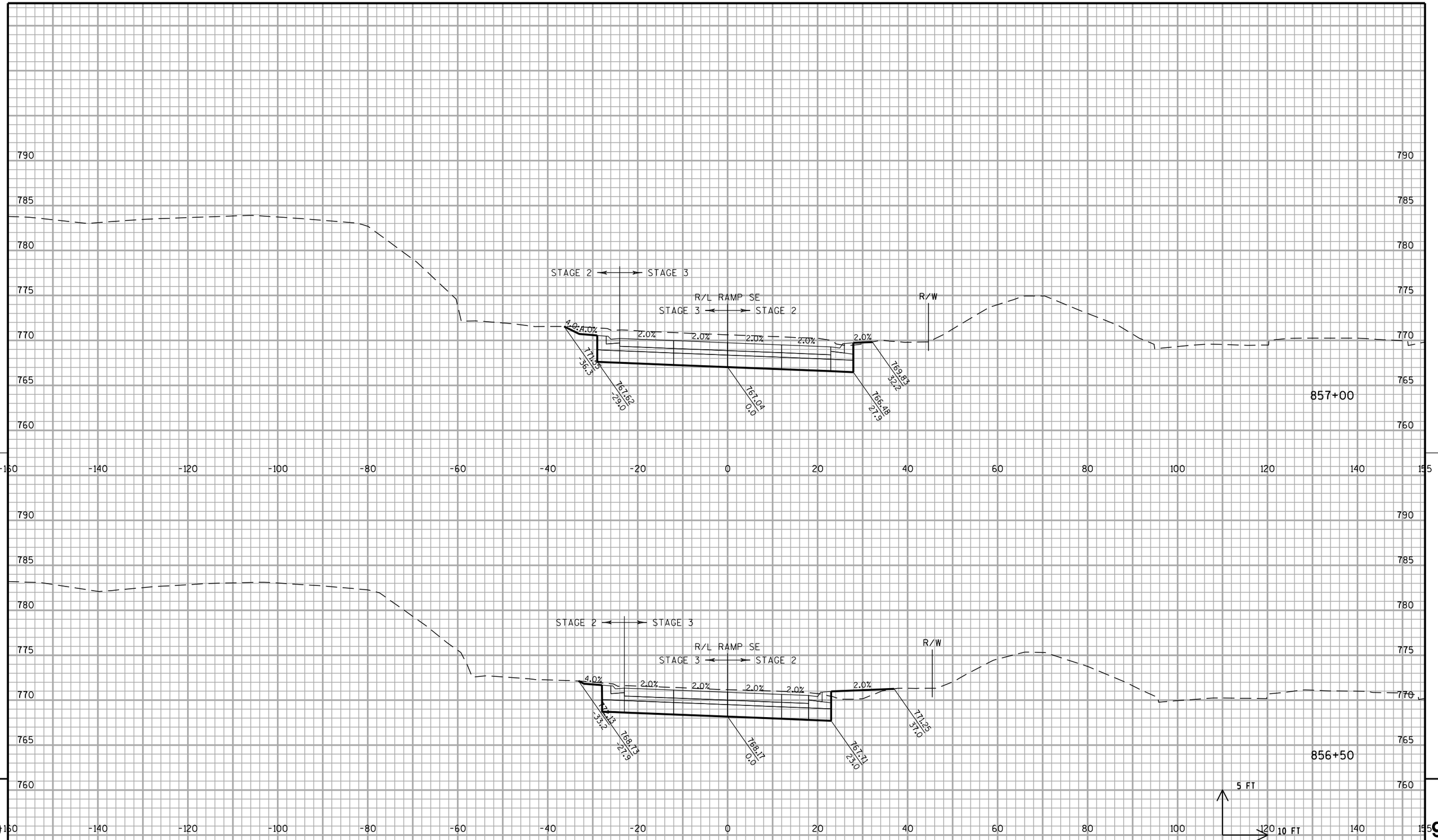


STA 855+90 TO 856+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET PRE_621	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090204_xs_rampse.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090204_xs_rampse PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



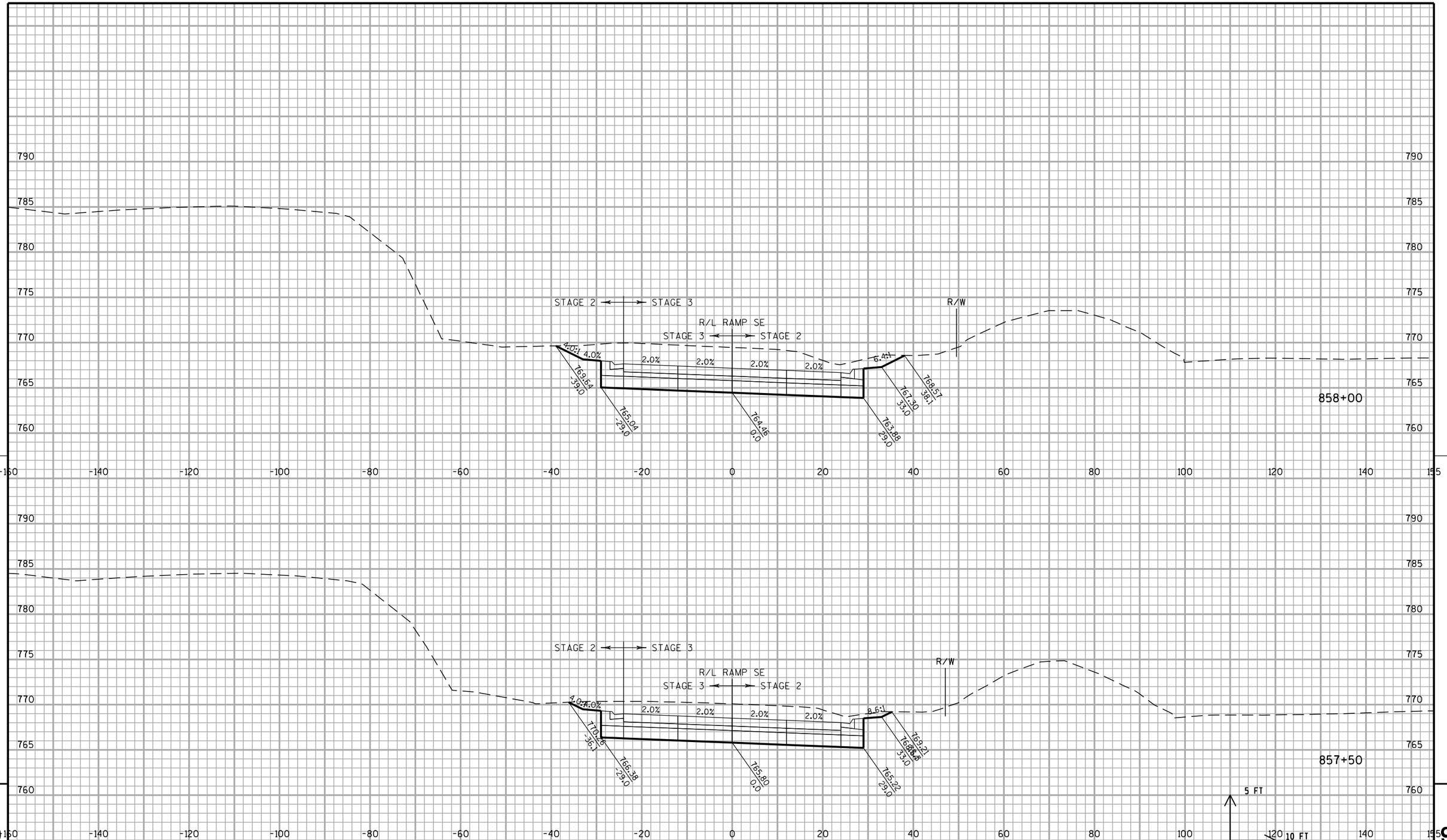
STA 856+50 TO 857+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET PRE_622	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090204_xs_rampse.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090204_xs_rampse1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9



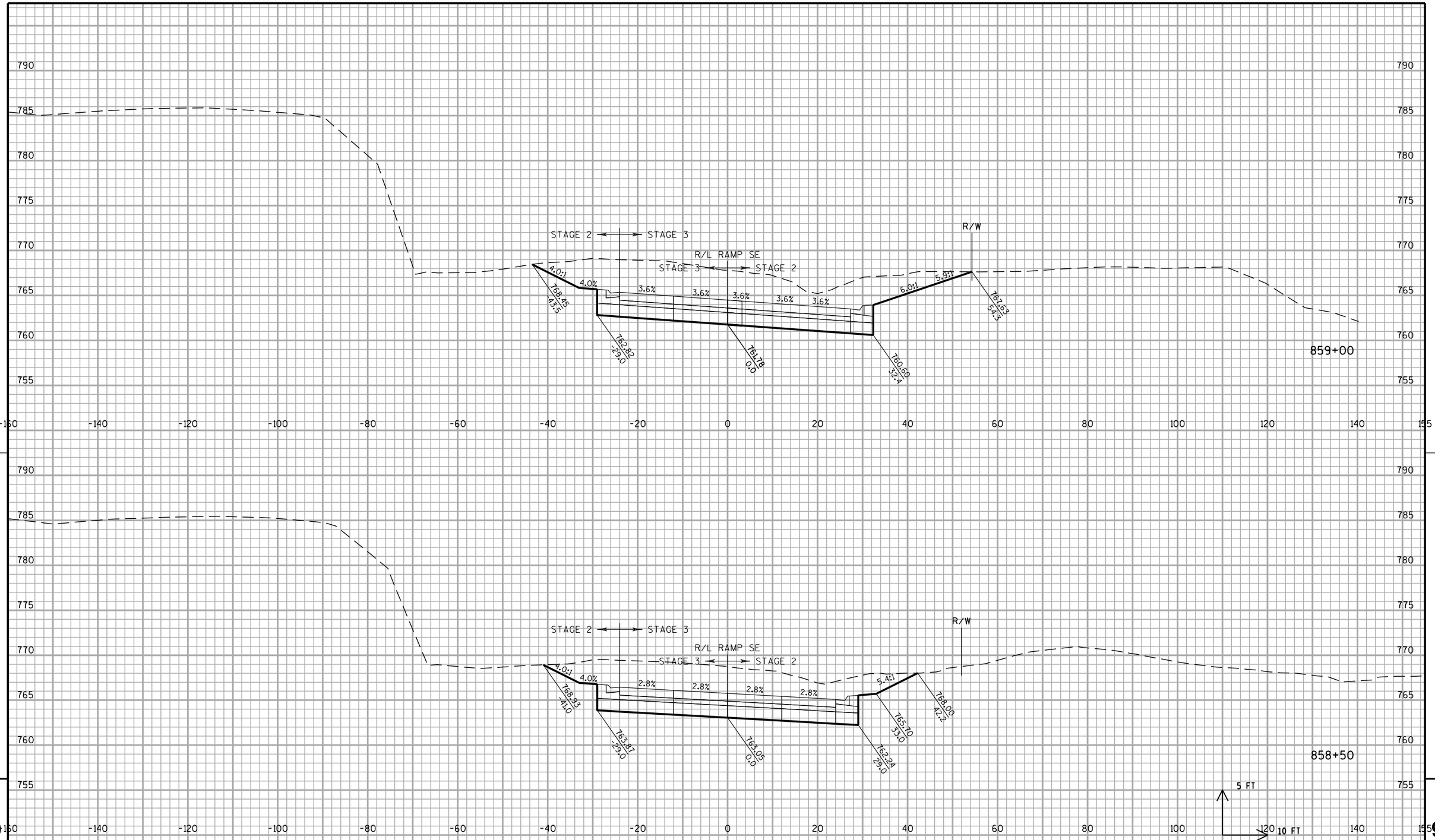
STA 857+50 TO 858+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET PRE_623	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090204_xs_rampse.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090204_xs_rampse2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

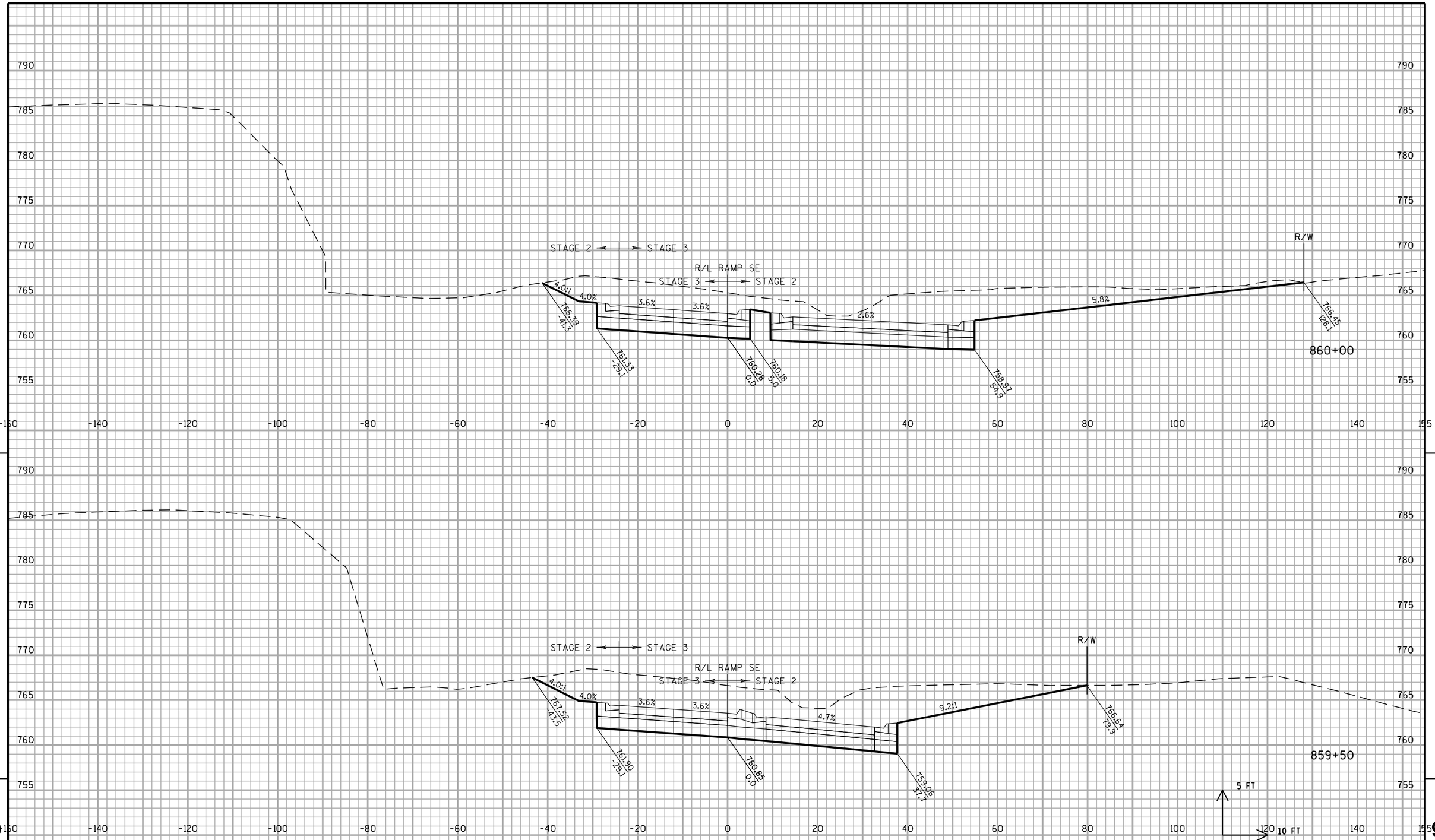
9 9



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET PRE_624	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090204_xs_rampse.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090204_xs_rampse3 PLOT SCALE : 20:1

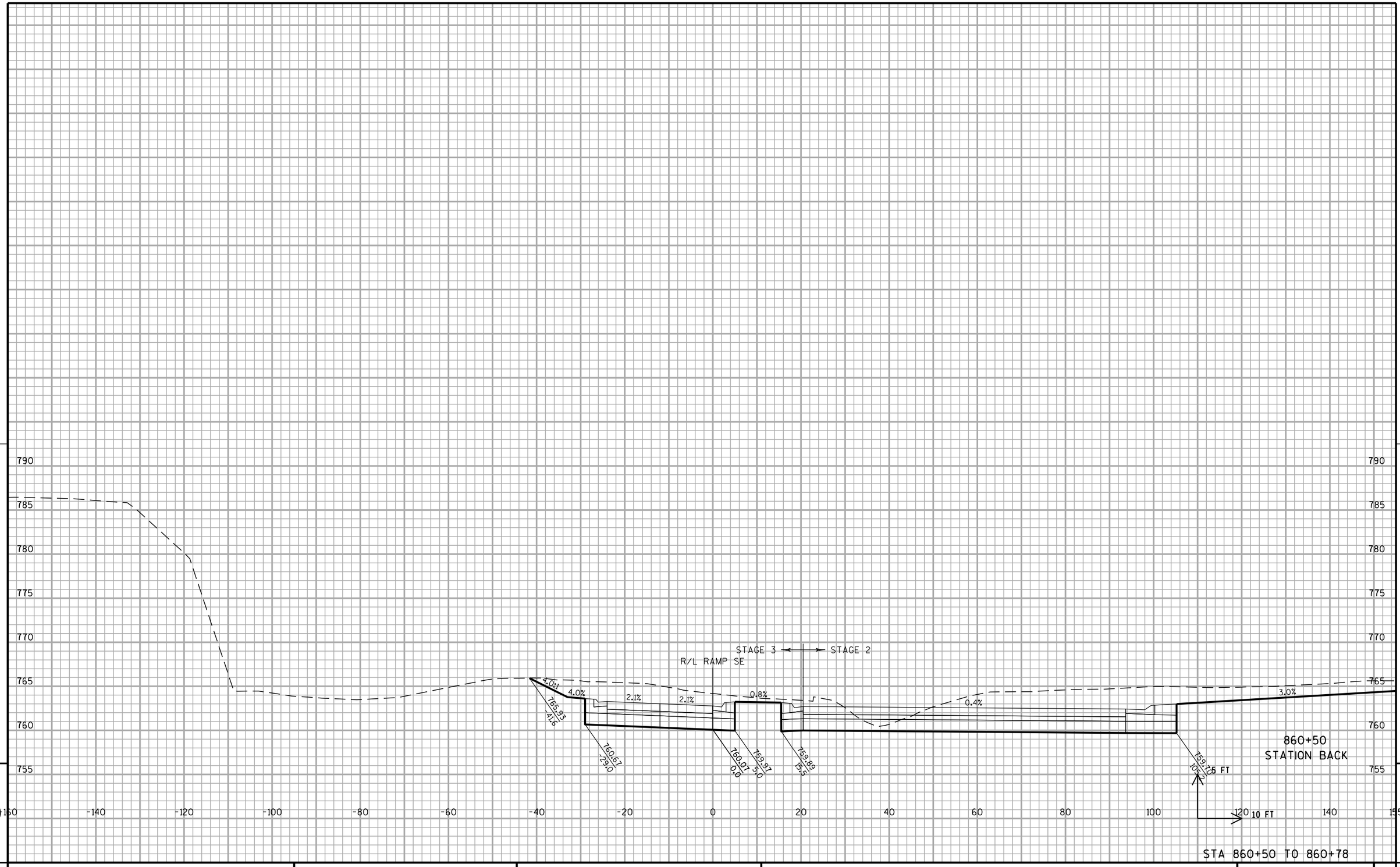
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET PRE_625	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090204_xs_rampse.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090204_xs_rampse4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



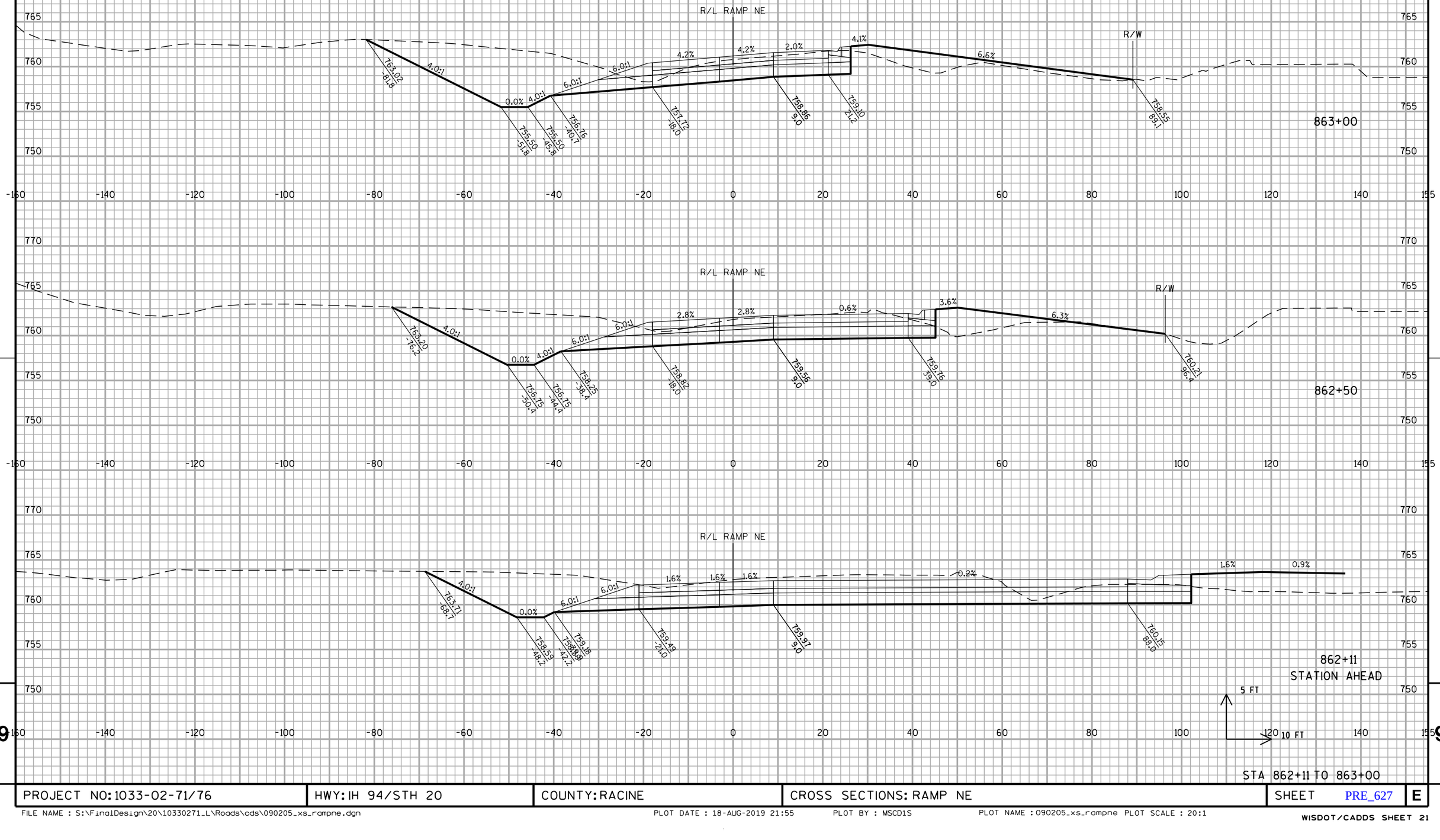
9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP SE	SHEET PRE_626	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090204_xs_rampse.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090204_xs_rampse5 PLOT SCALE : 20:1

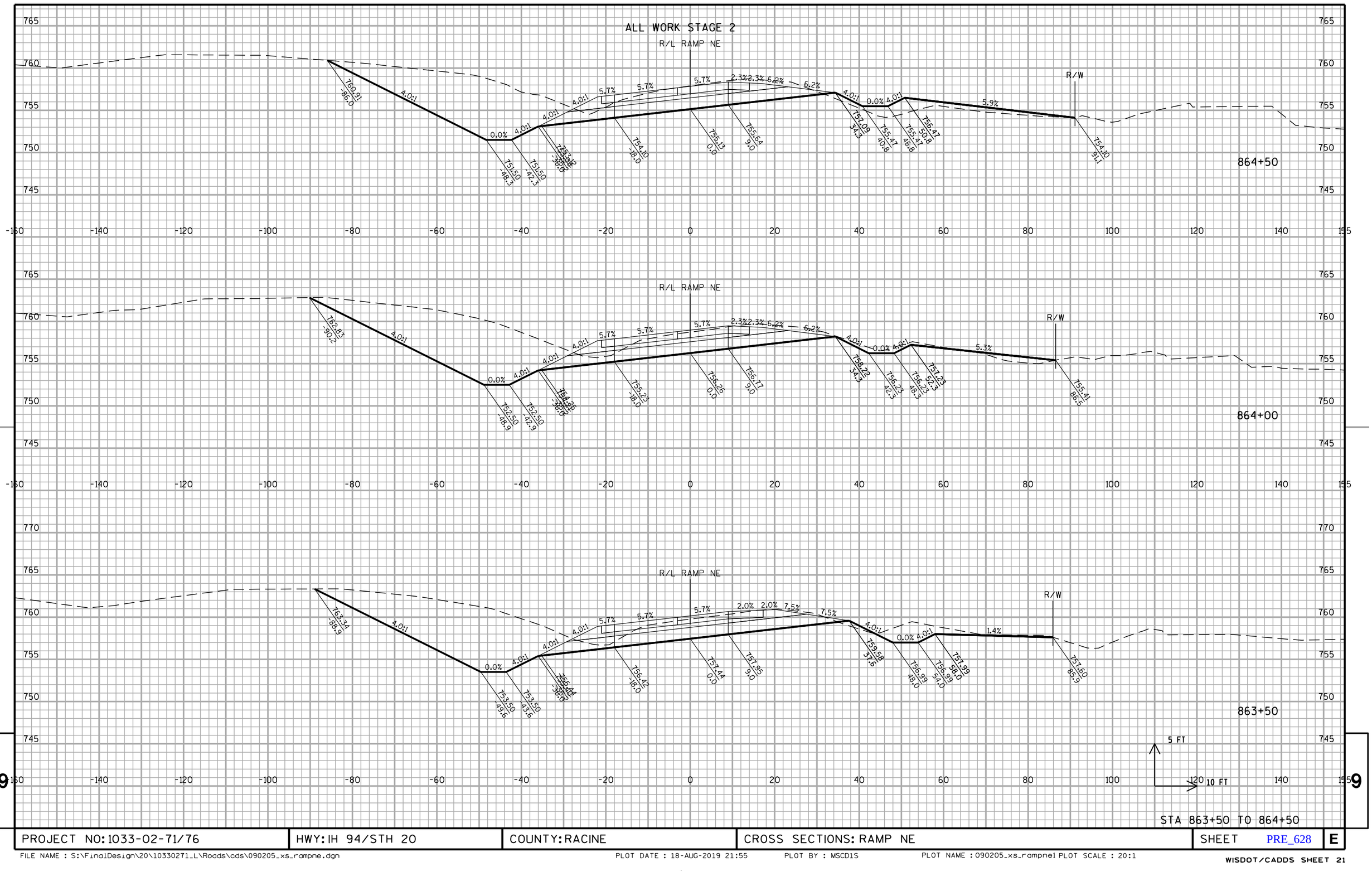
WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



STA 862+11 TO 863+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NE	SHEET PRE_627	E

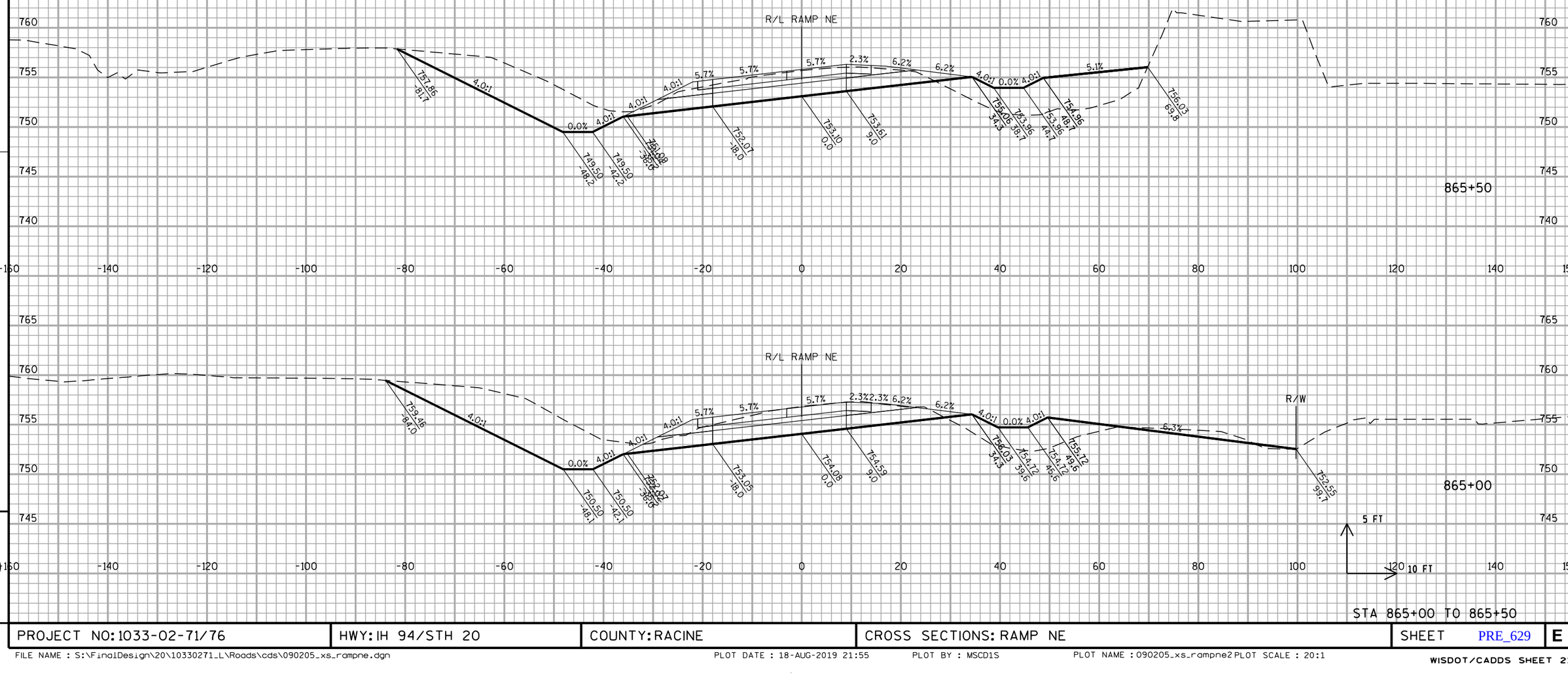


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NE	SHEET PRE_628	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090205_xs_rampne.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090205_xs_rampne1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2



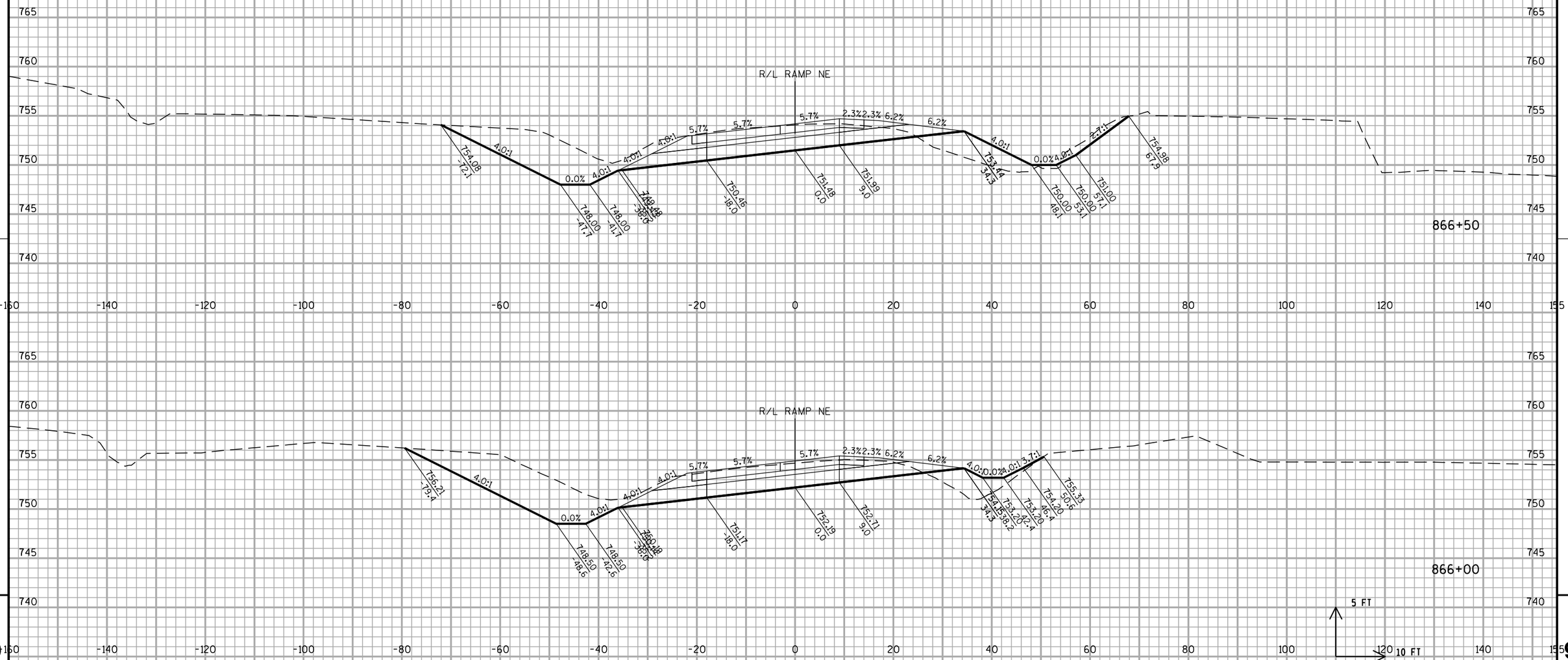
STA 865+00 TO 865+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NE	SHEET PRE_629	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090205_xs_rampne.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090205_xs_rampne2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

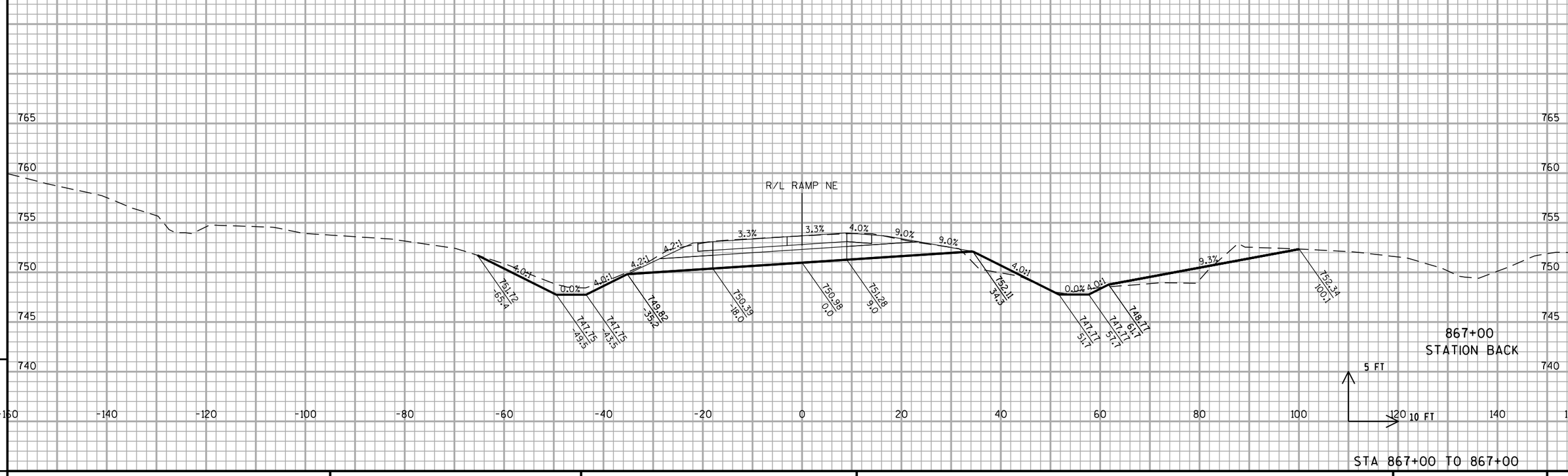


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NE	SHEET PRE_630	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090205_xs_rampne.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090205_xs_rampne3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK STAGE 2

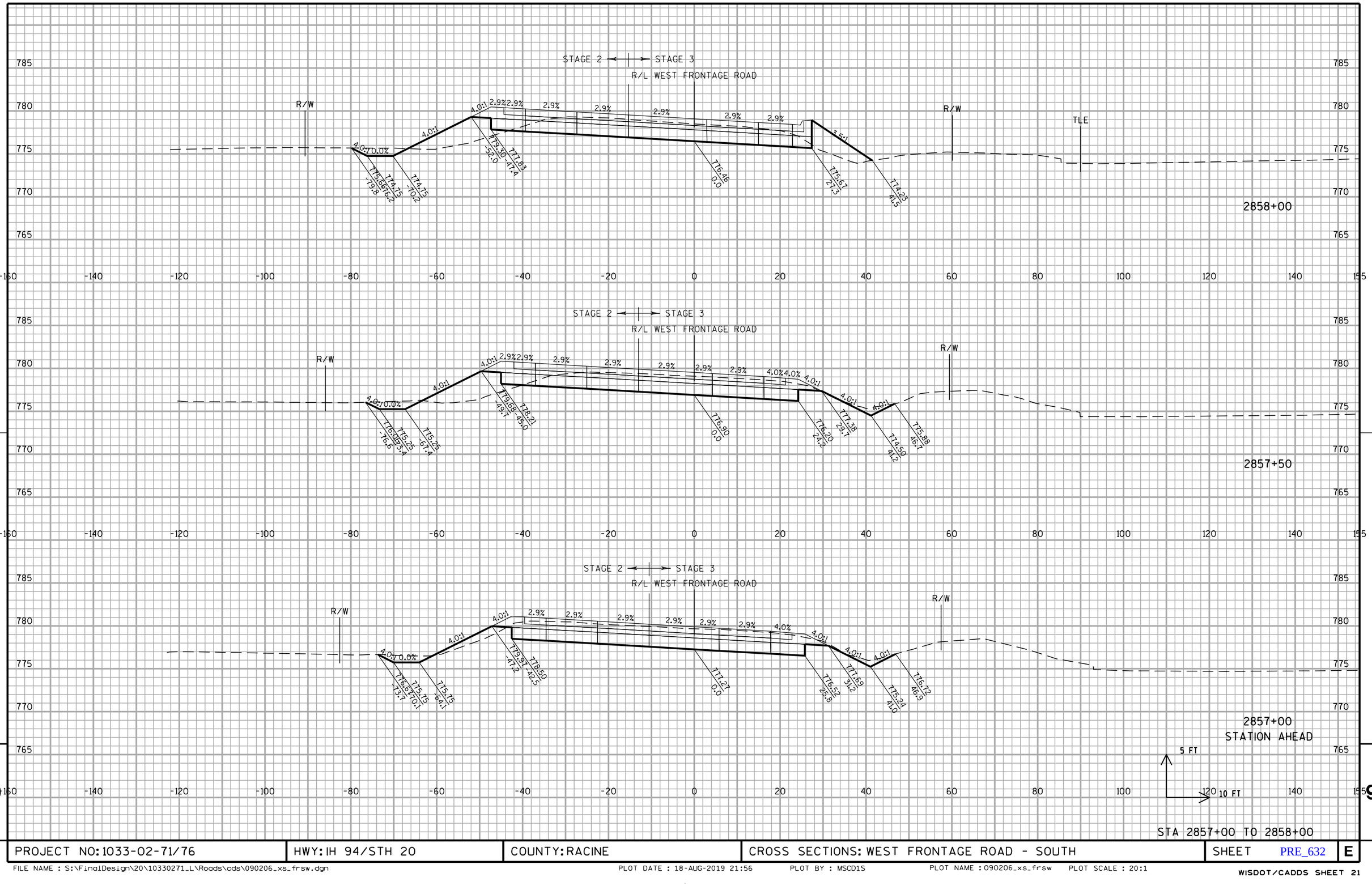


STA 867+00 TO 867+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RAMP NE	SHEET PRE_631	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090205_xs_rampne.dgn PLOT DATE : 18-AUG-2019 21:55 PLOT BY : MSCD1S PLOT NAME : 090205_xs_rampne4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



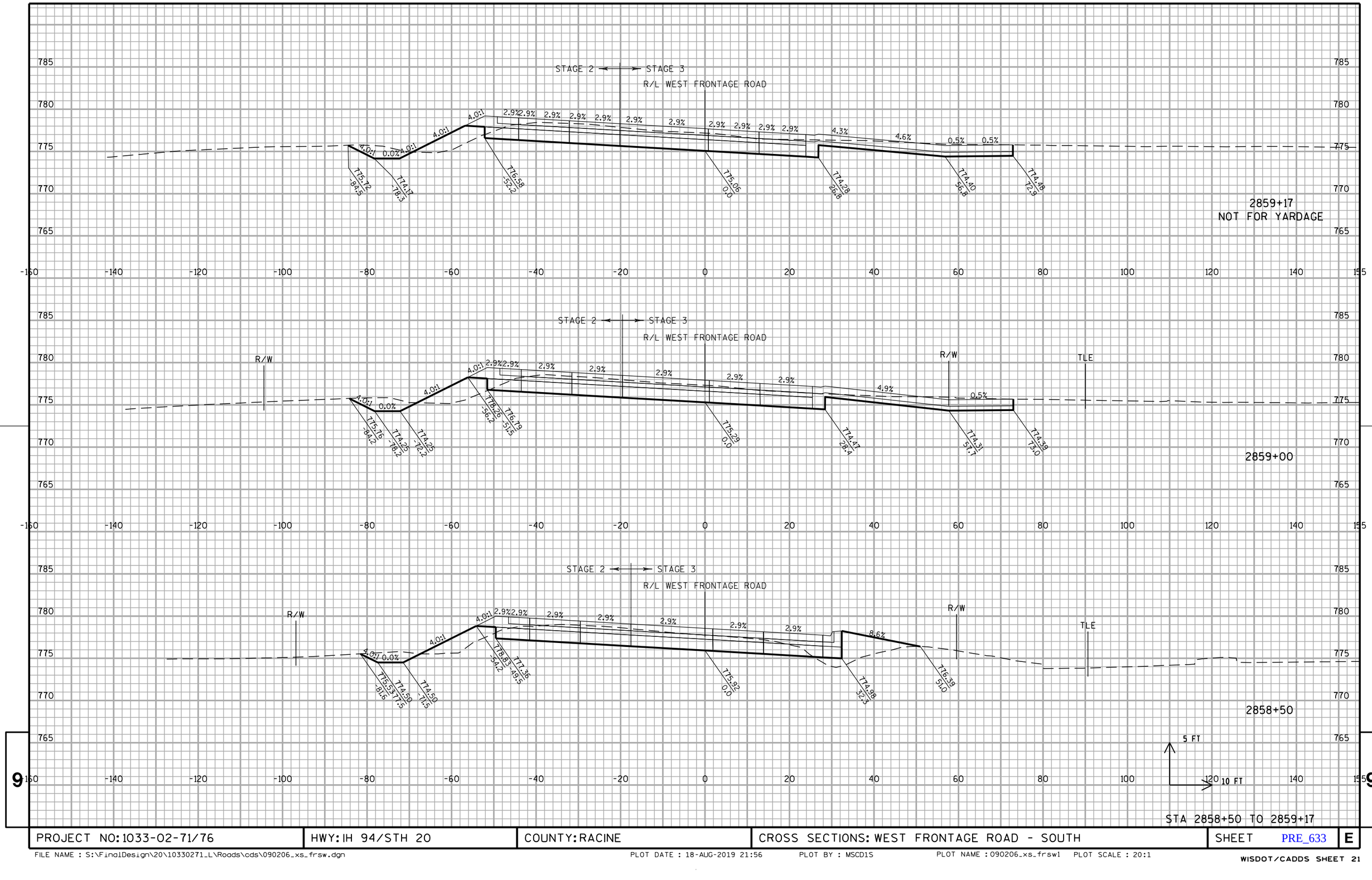
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH	SHEET PRE_632	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090206_xs_frsw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090206_xs_frsw PLOT SCALE : 20:1

STA 2857+00 TO 2858+00

WISDOT/CADDS SHEET 21

9

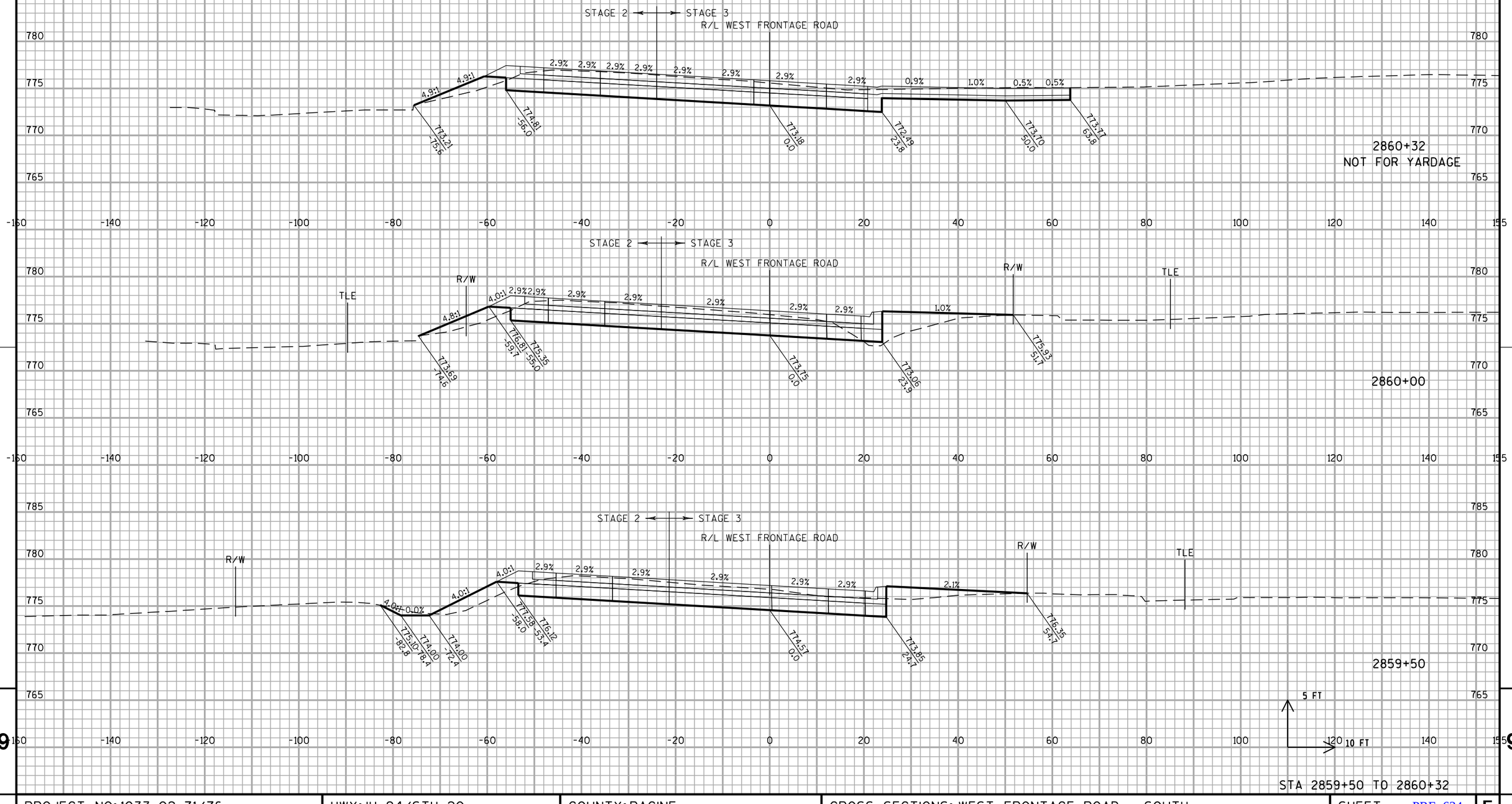


9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH	SHEET PRE_633	E

STA 2858+50 TO 2859+17

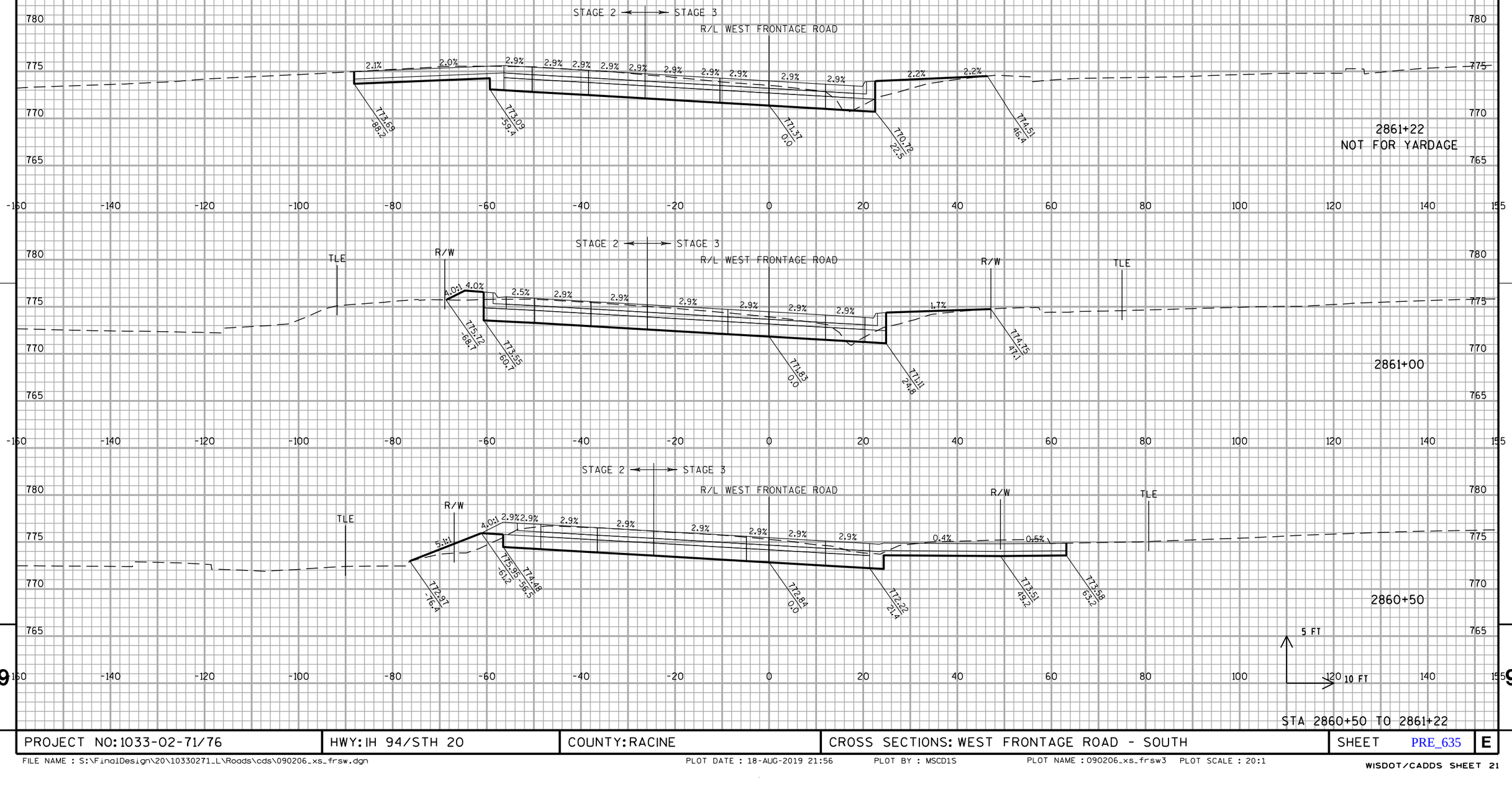
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090206_xs_frsw.dgn
PLOT DATE : 18-AUG-2019 21:56
PLOT BY : MSCD1S
PLOT NAME : 090206_xs_frsw1
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

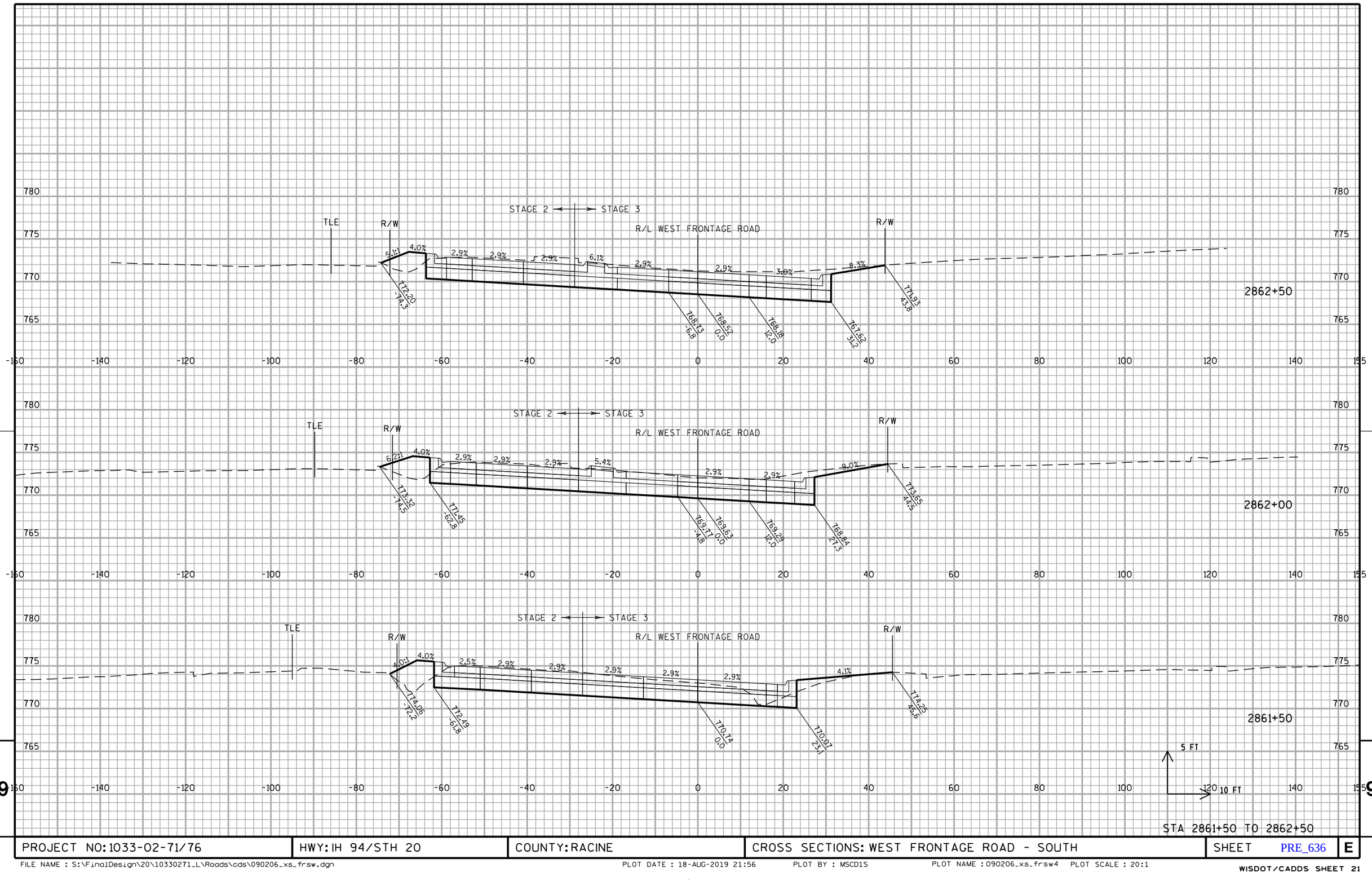


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH	SHEET PRE_634	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090206_xs_frsw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090206_xs_frsw2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21


STAGE 2
STAGE 3
R/L WEST FRONTAGE ROAD
780
775
770
765
2.1%
2.0%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.2%
2.2%
775.59
-86.2
773.09
-59.4
771.37
0.0
770.72
22.5
774.51
46.4
2861+22
NOT FOR YARDAGE
-160
-140
-120
-100
-80
-60
-40
-20
0
20
40
60
80
100
120
140
155
STAGE 2
STAGE 3
R/L WEST FRONTAGE ROAD
TLE
R/W
R/W
TLE
780
775
770
765
4.0:1
4.0%
2.5%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
1.7%
775.72
-68.7
773.55
-60.7
771.83
0.0
771.11
24.8
774.75
47.1
2861+00
STAGE 2
STAGE 3
R/L WEST FRONTAGE ROAD
TLE
R/W
R/W
TLE
780
775
770
765
4.0:1
5:1
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
2.9%
0.4%
0.5%
772.97
-76.4
775.95
-56.5
774.48
-56.5
772.84
0.0
772.22
21.4
773.51
49.2
773.58
63.2
2860+50
5 FT
10 FT
STA 2860+50 TO 2861+22
9
9
PROJECT NO: 1033-02-71/76
HWY: IH 94/STH 20
COUNTY: RACINE
CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH
SHEET PRE_635
E
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090206_xs_frsw.dgn
PLOT DATE : 18-AUG-2019 21:56
PLOT BY : MSCD1S
PLOT NAME : 090206_xs_frsw3
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

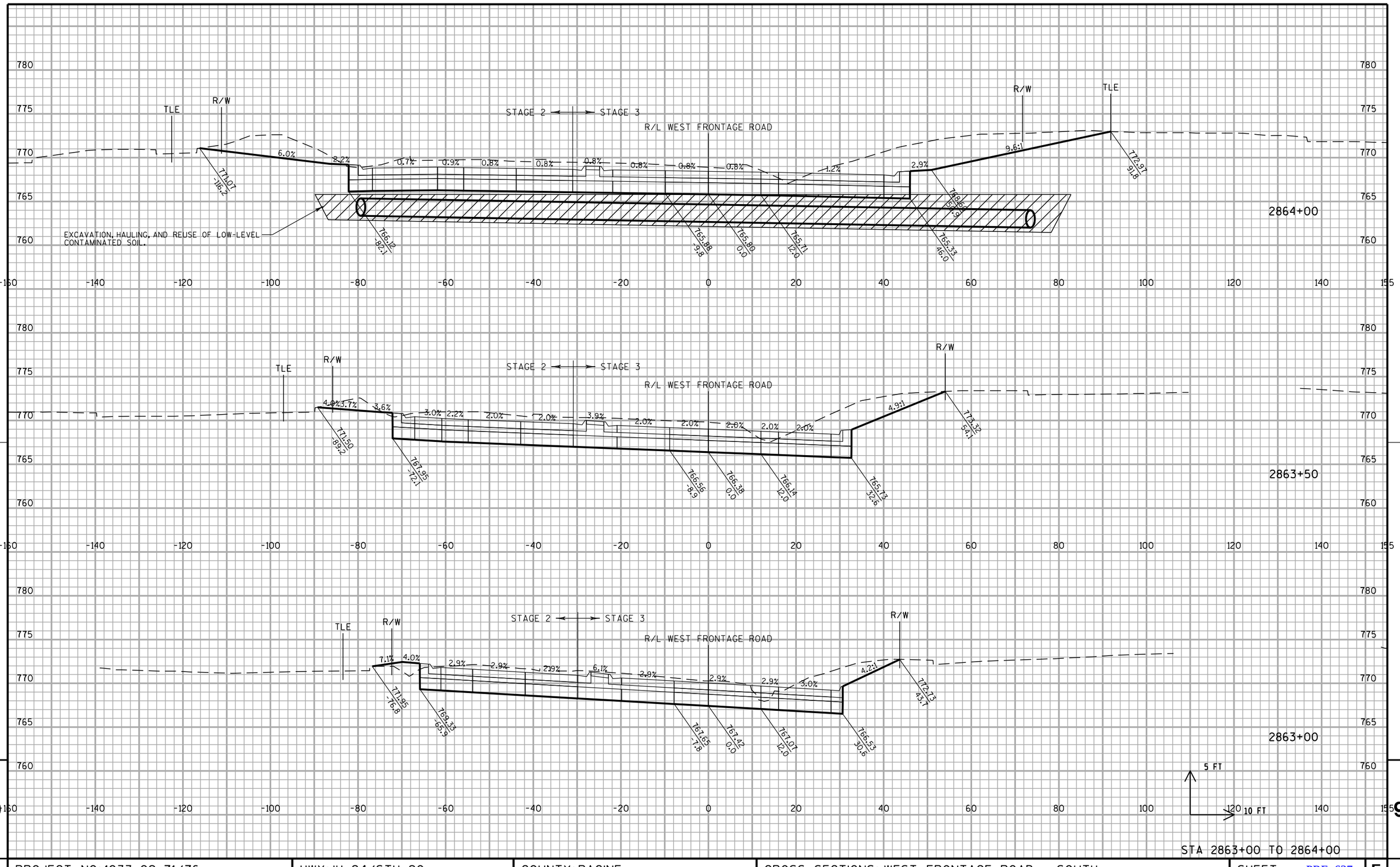


STA 2861+50 TO 2862+50

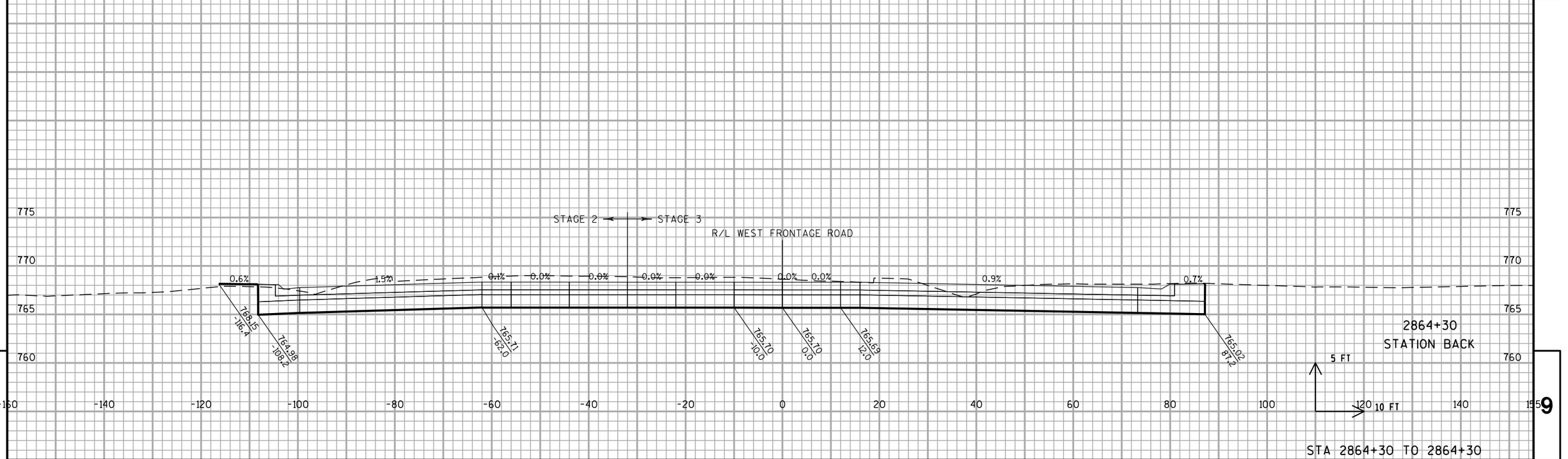
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH	SHEET PRE_636	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090206_xs_frsw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090206_xs_frsw4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH	SHEET PRE_637	E

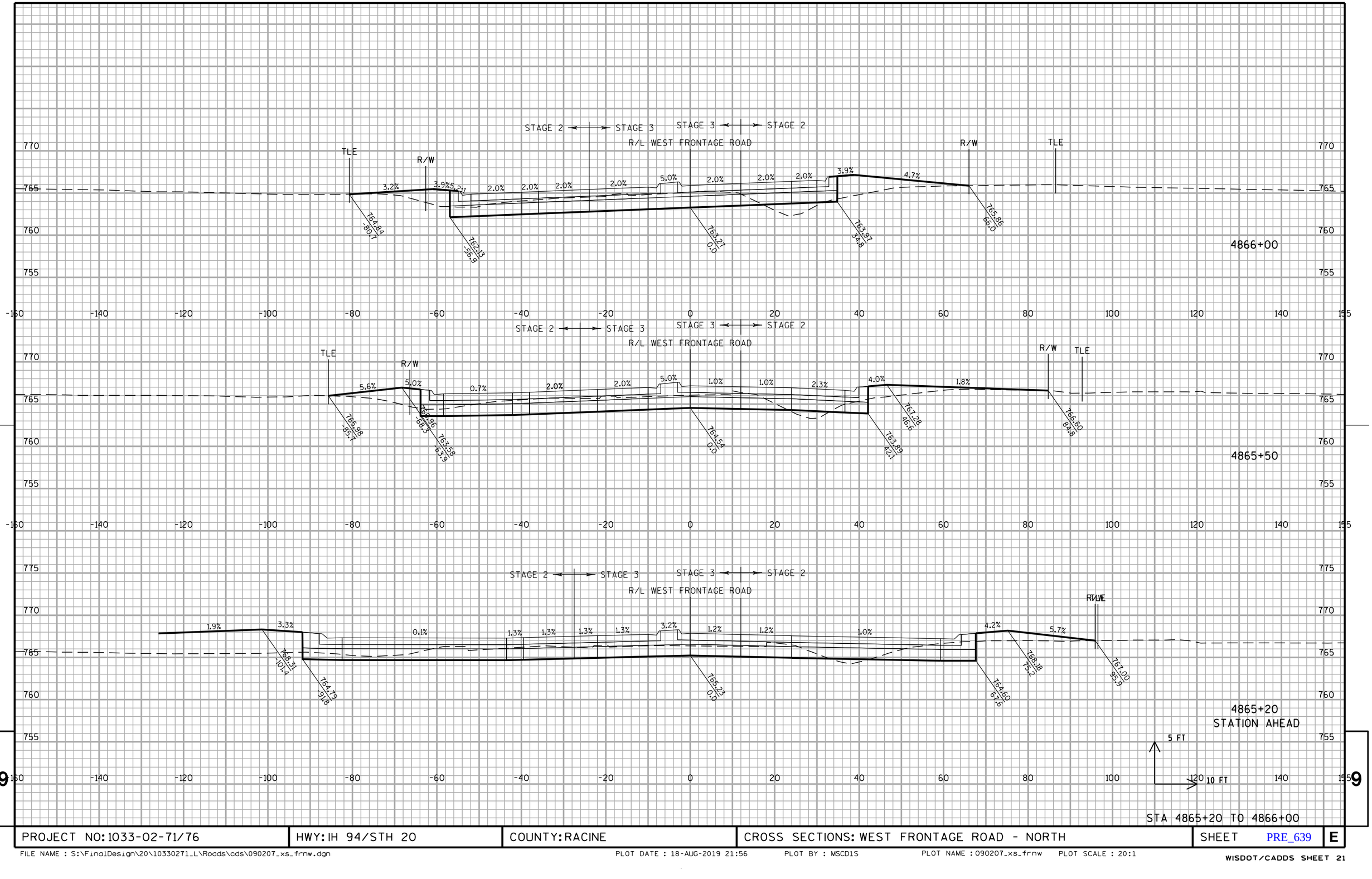


STA 2864+30 TO 2864+30

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - SOUTH	SHEET PRE_638	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090206_xs_frsw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090206_xs_frsw6 PLOT SCALE : 20:1

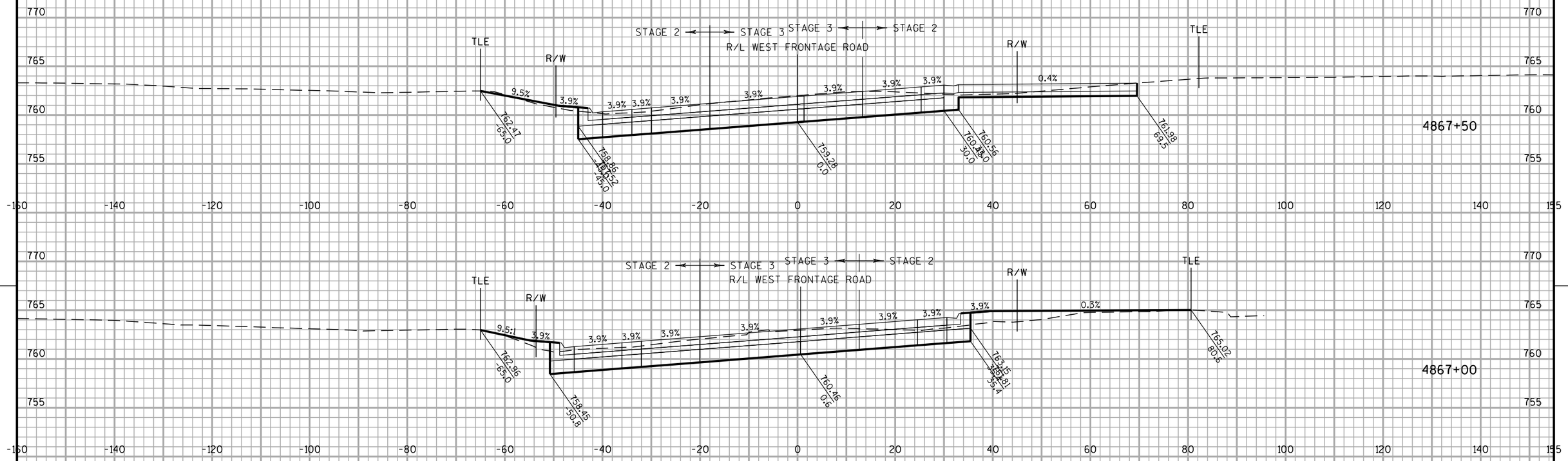
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - NORTH	SHEET PRE_639	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090207_xs_frnw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090207_xs_frnw PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



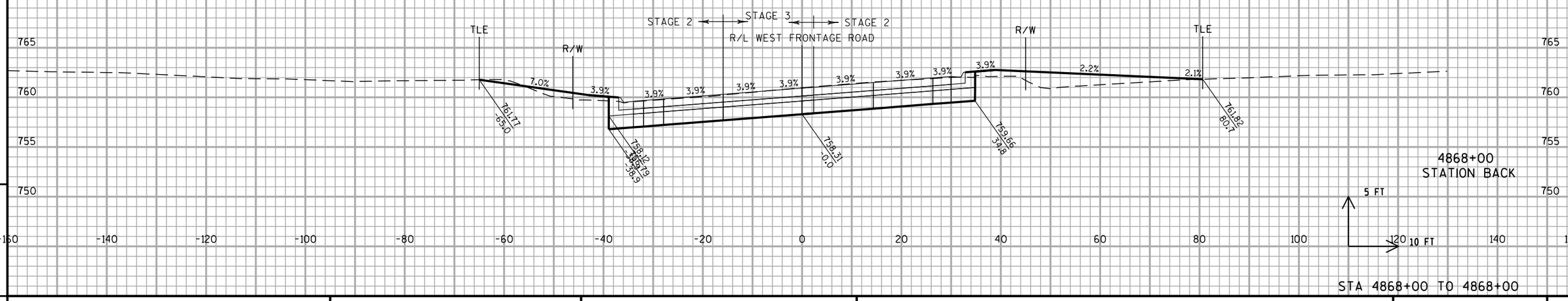
STA 4866+50 TO 4867+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - NORTH	SHEET PRE_640	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090207_xs_frnw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090207_xs_frnw1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

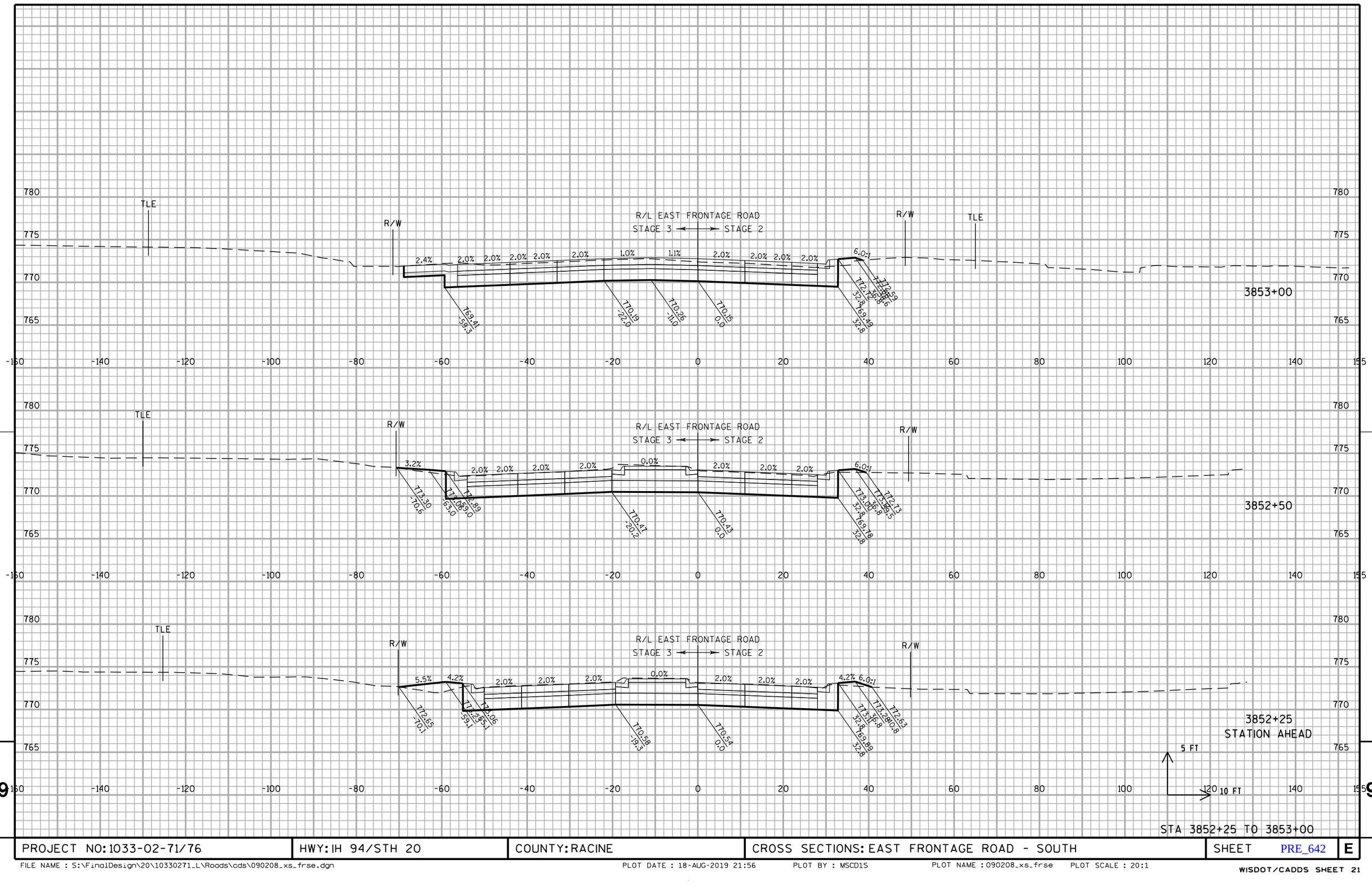


STA 4868+00 TO 4868+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: WEST FRONTAGE ROAD - NORTH	SHEET PRE_641	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090207_xs_frnw.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090207_xs_frnw2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

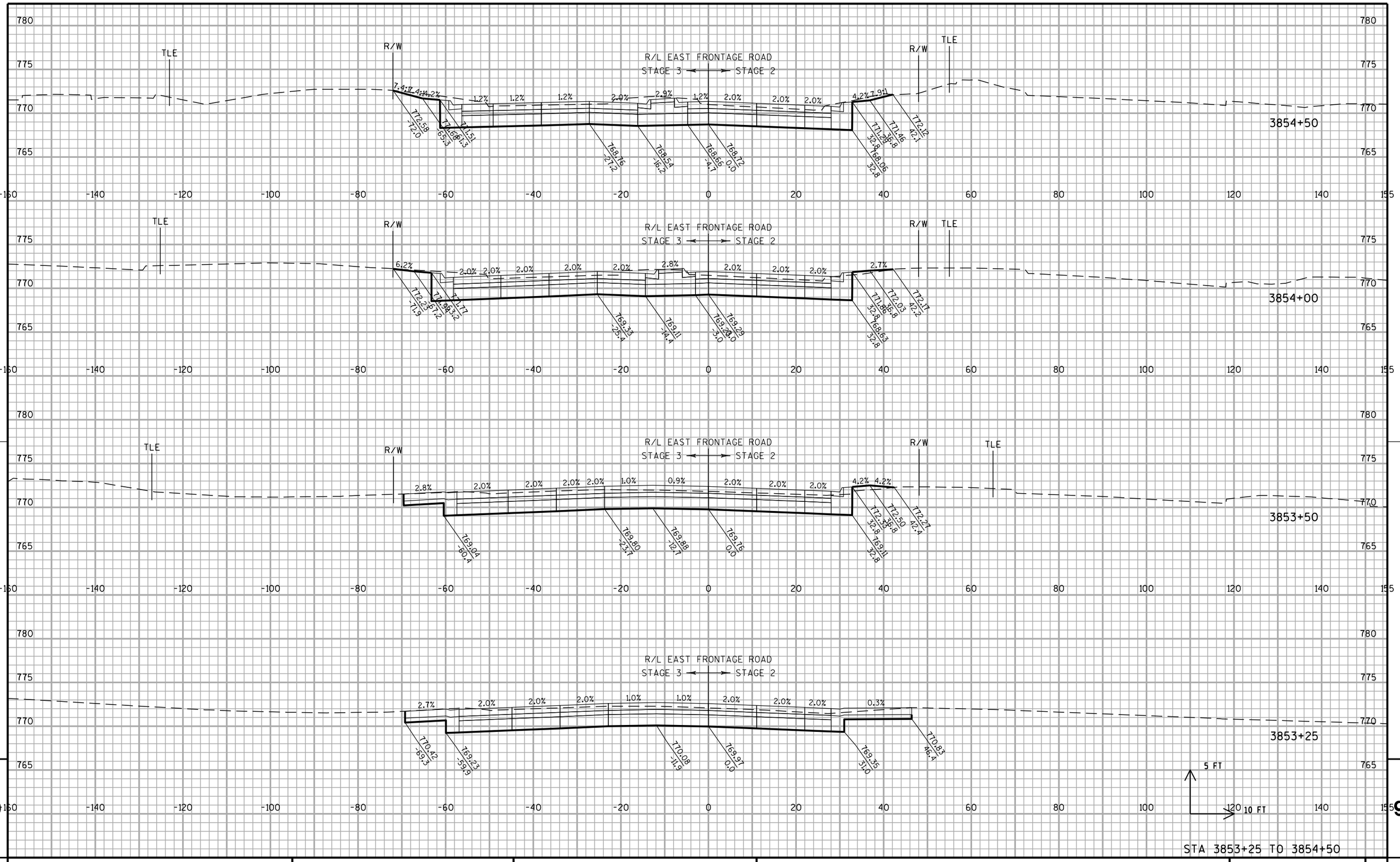


STA 3852+25 TO 3853+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - SOUTH	SHEET PRE_642	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090208_xs_frse.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090208_xs_frse PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

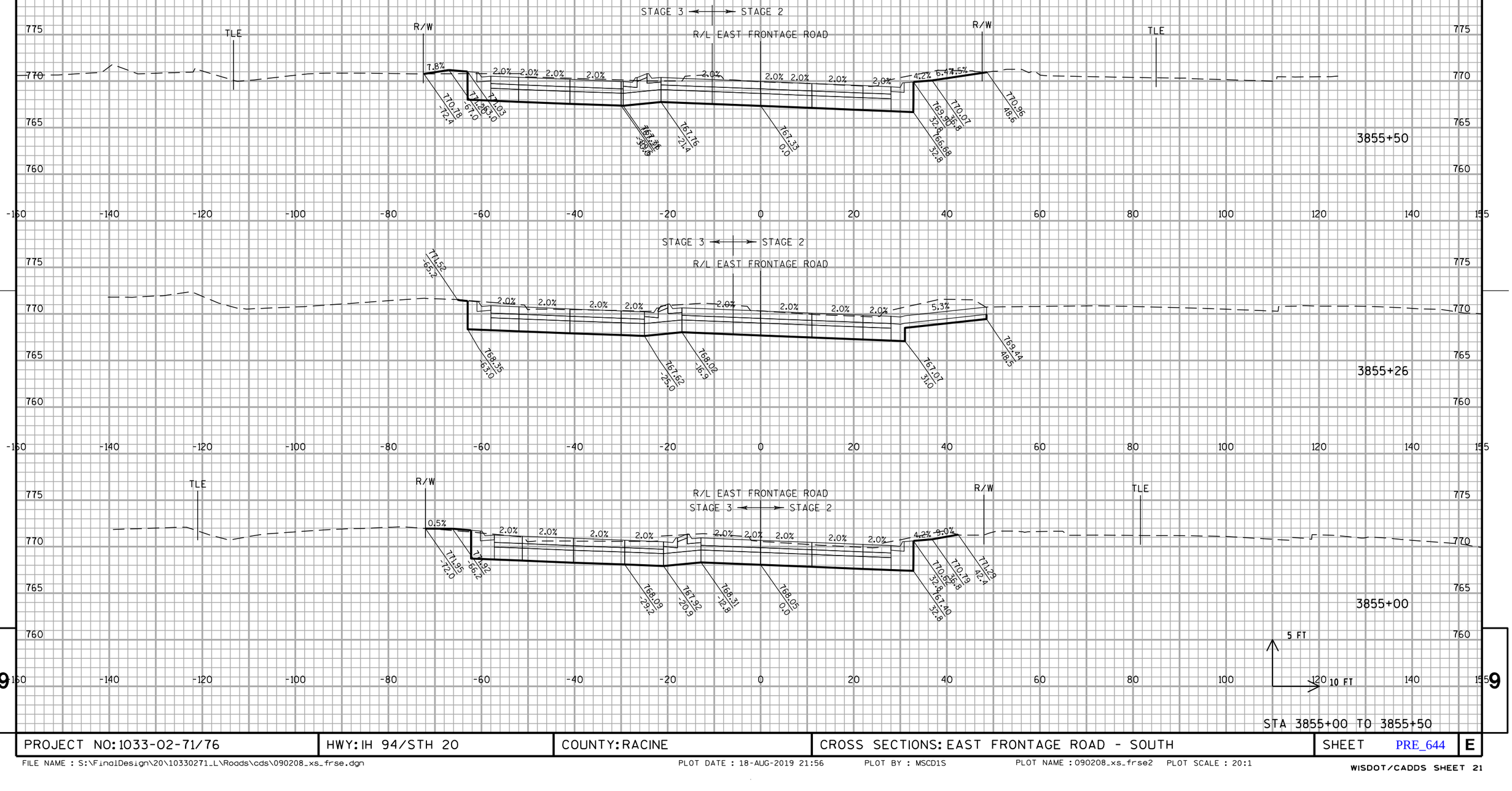


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - SOUTH	SHEET PRE_643	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090208_xs_frse.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090208_xs_frse1 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

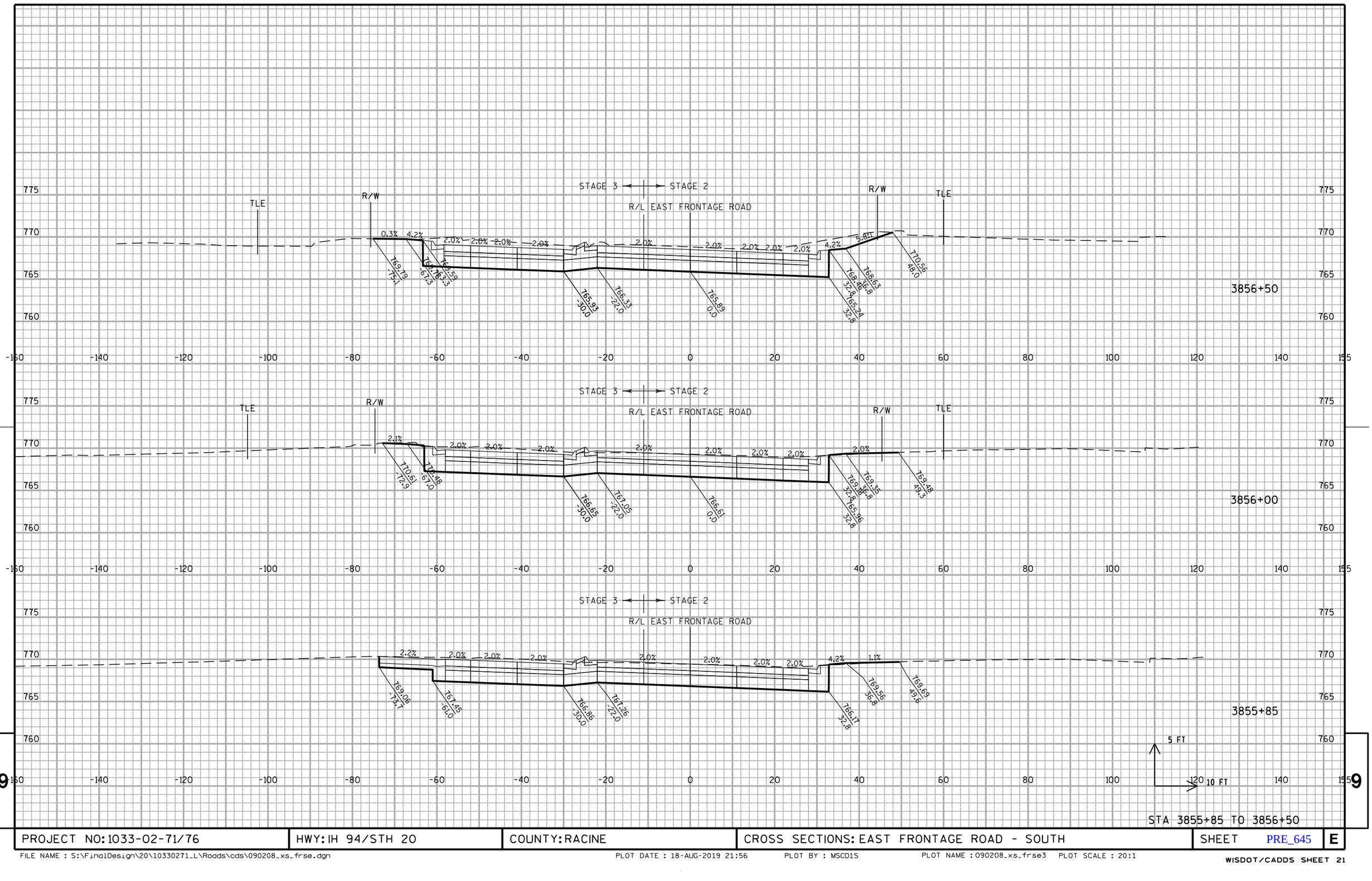
9



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - SOUTH	SHEET PRE_644	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090208_xs_frse.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090208_xs_frse2 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

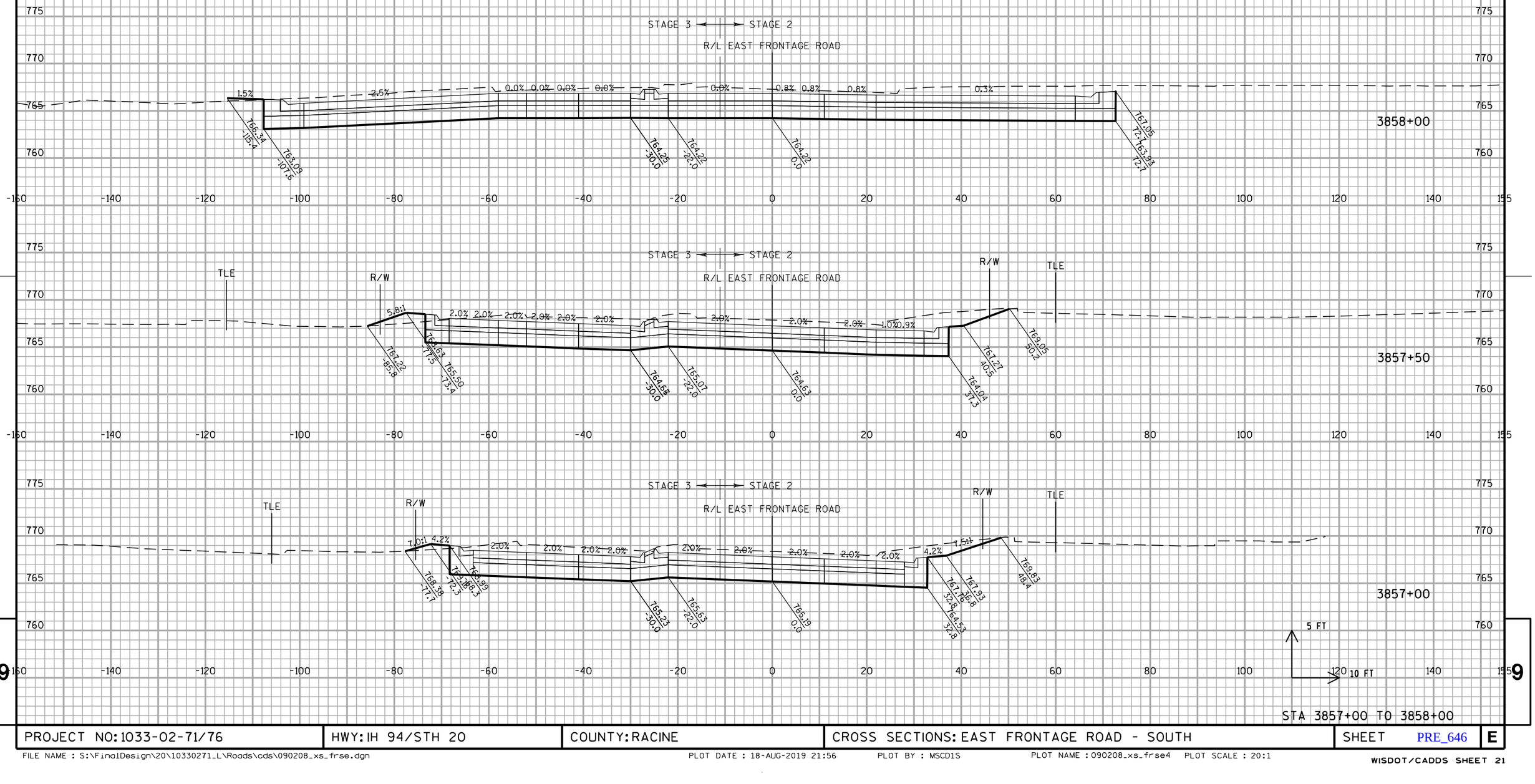


STA 3855+85 TO 3856+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - SOUTH	SHEET PRE_645	E

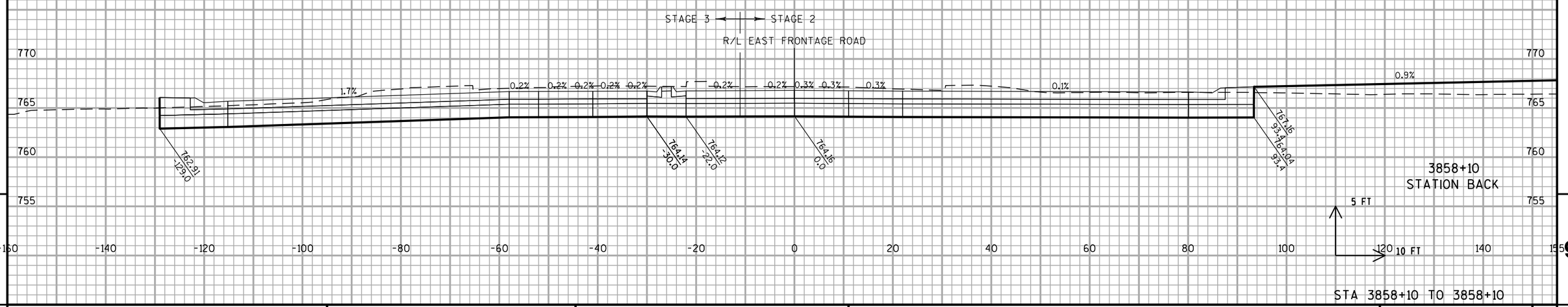
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090208_xs_frse.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090208_xs_frse3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACIQUE	CROSS SECTIONS: EAST FRONTAGE ROAD - SOUTH	SHEET PRE_646	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090208_xs_frse.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090208_xs_frse4 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

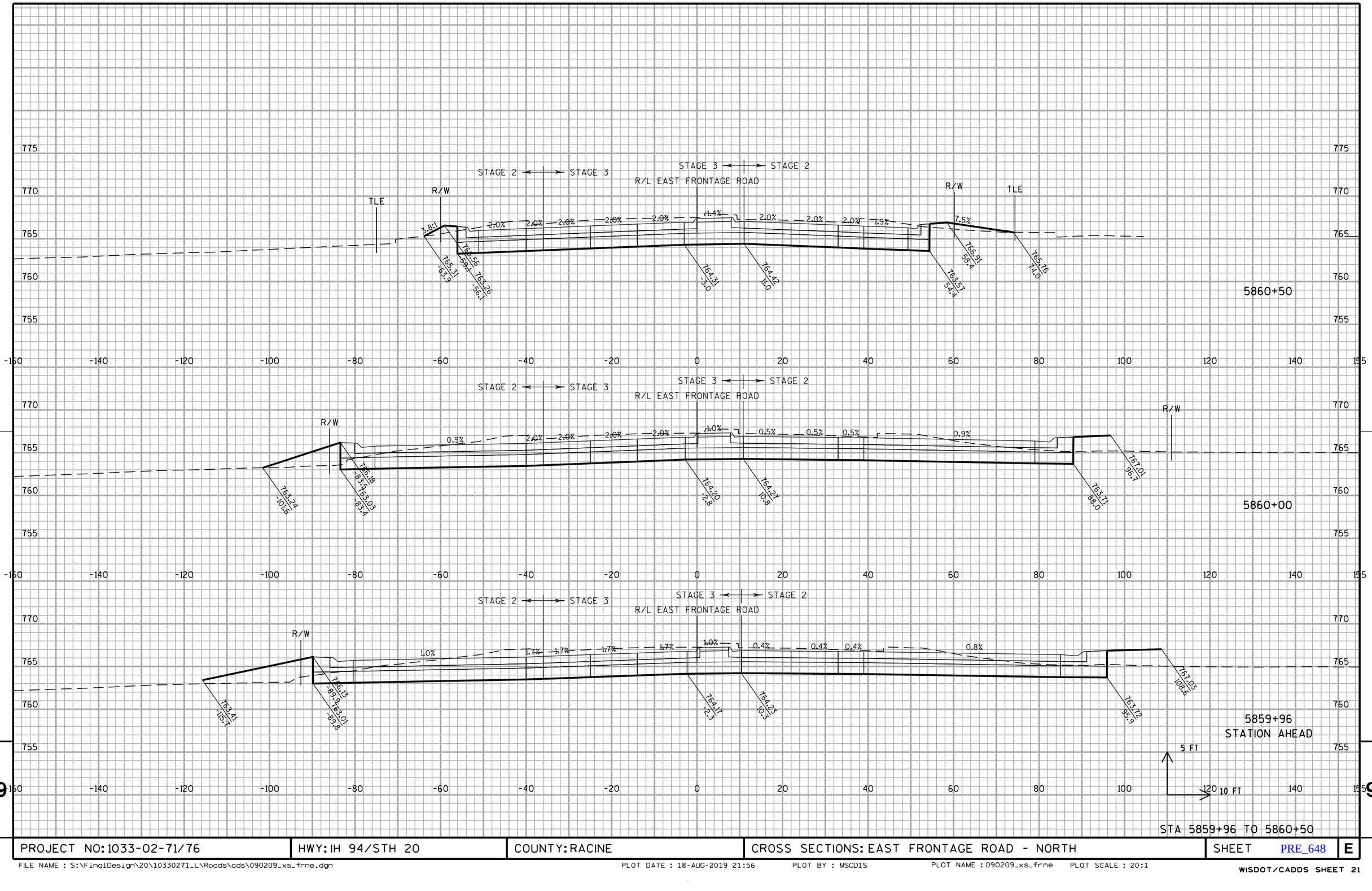


9

9

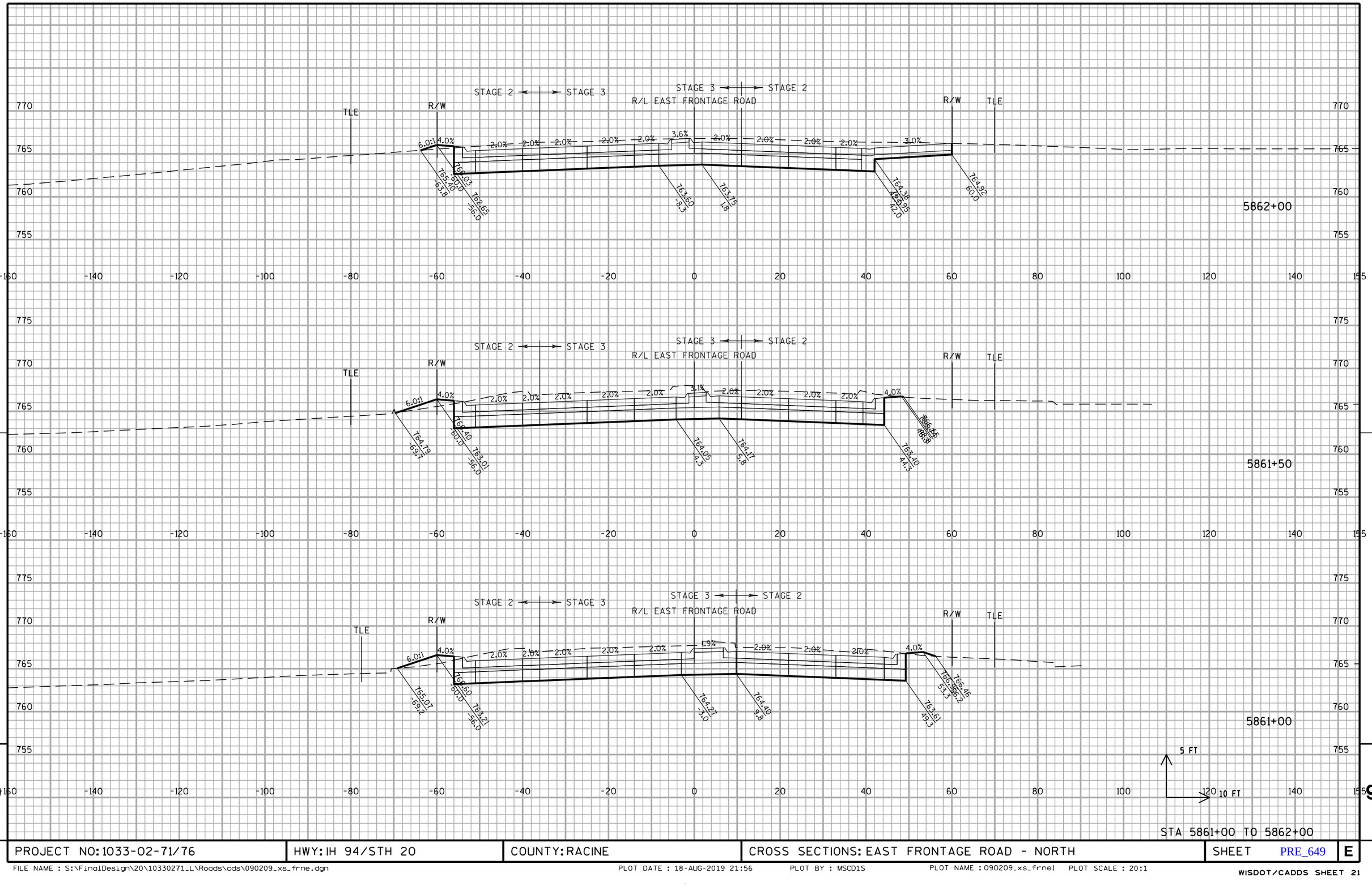
STA 3858+10 TO 3858+10

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - SOUTH	SHEET PRE_647	E



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - NORTH	SHEET PRE_648	E

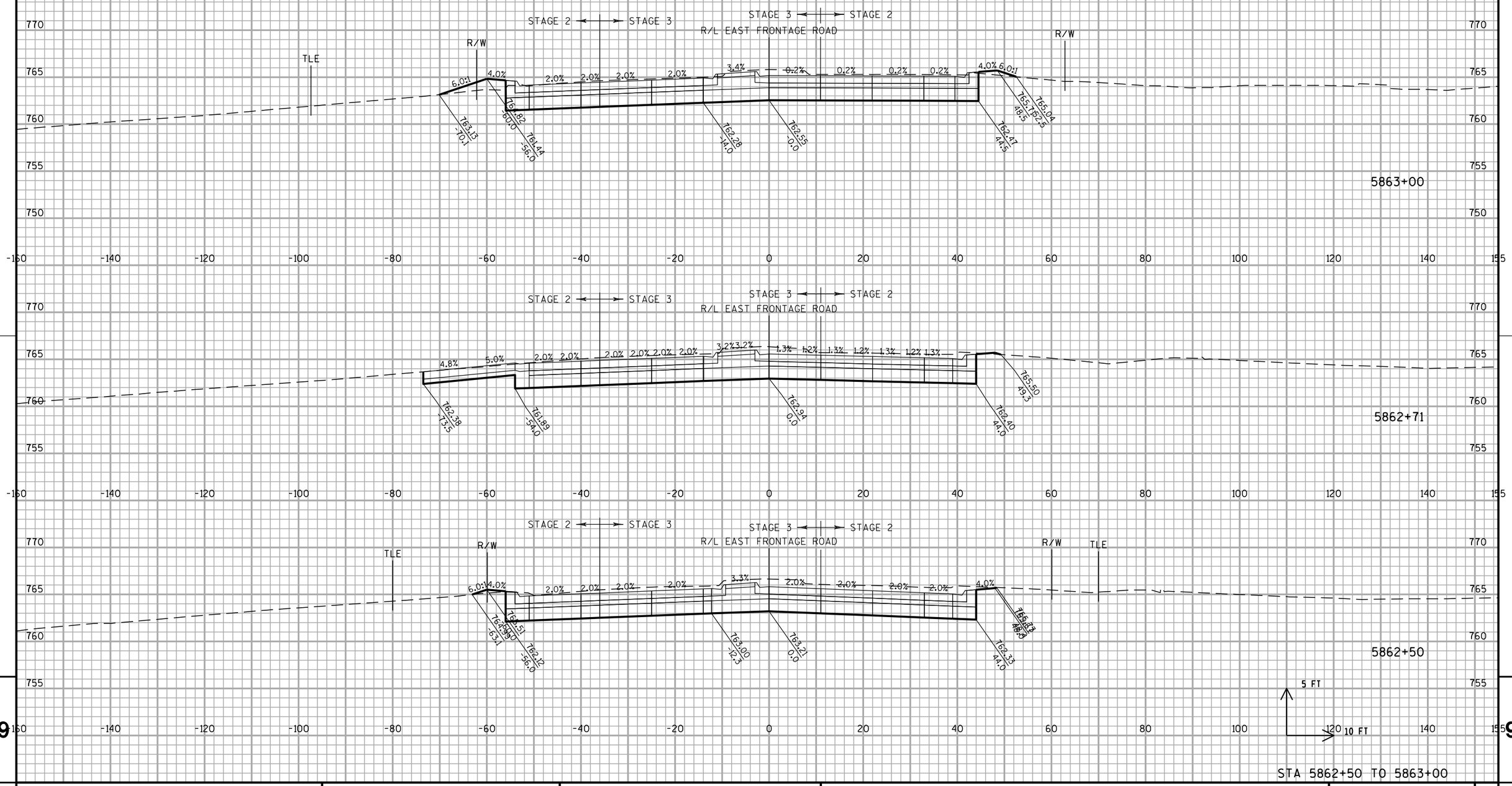
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090209_xs_frne.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090209_xs_frne PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - NORTH	SHEET PRE_649 E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090209_xs_frne.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090209_xs_frne1 PLOT SCALE : 20:1

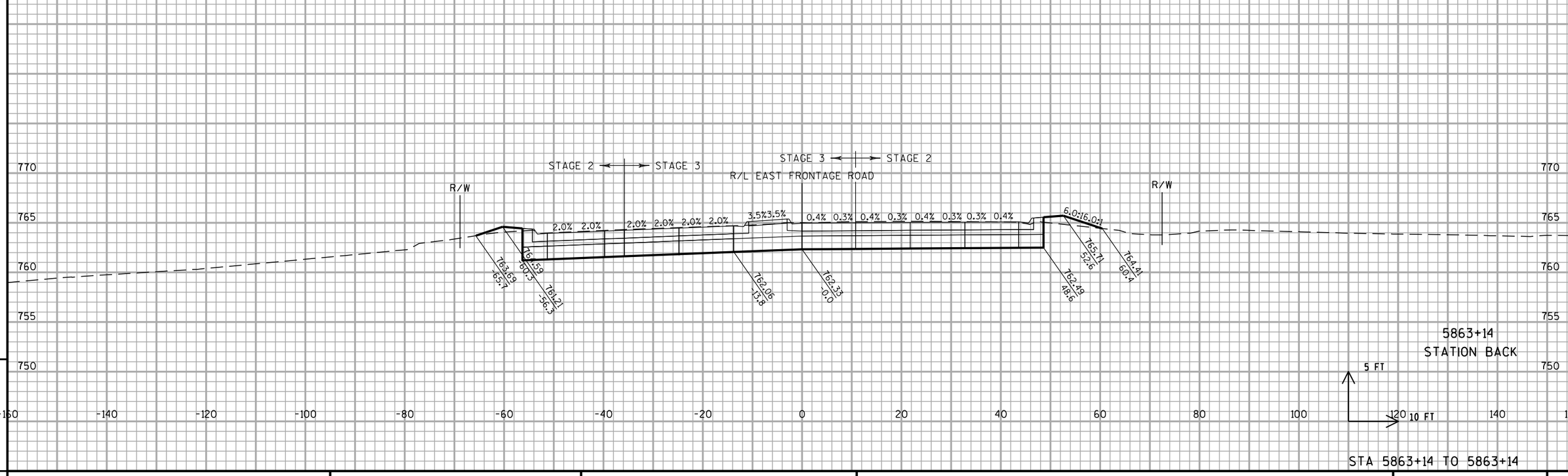
WISDOT/CADDS SHEET 21



STA 5862+50 TO 5863+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - NORTH	SHEET PRE_650	E

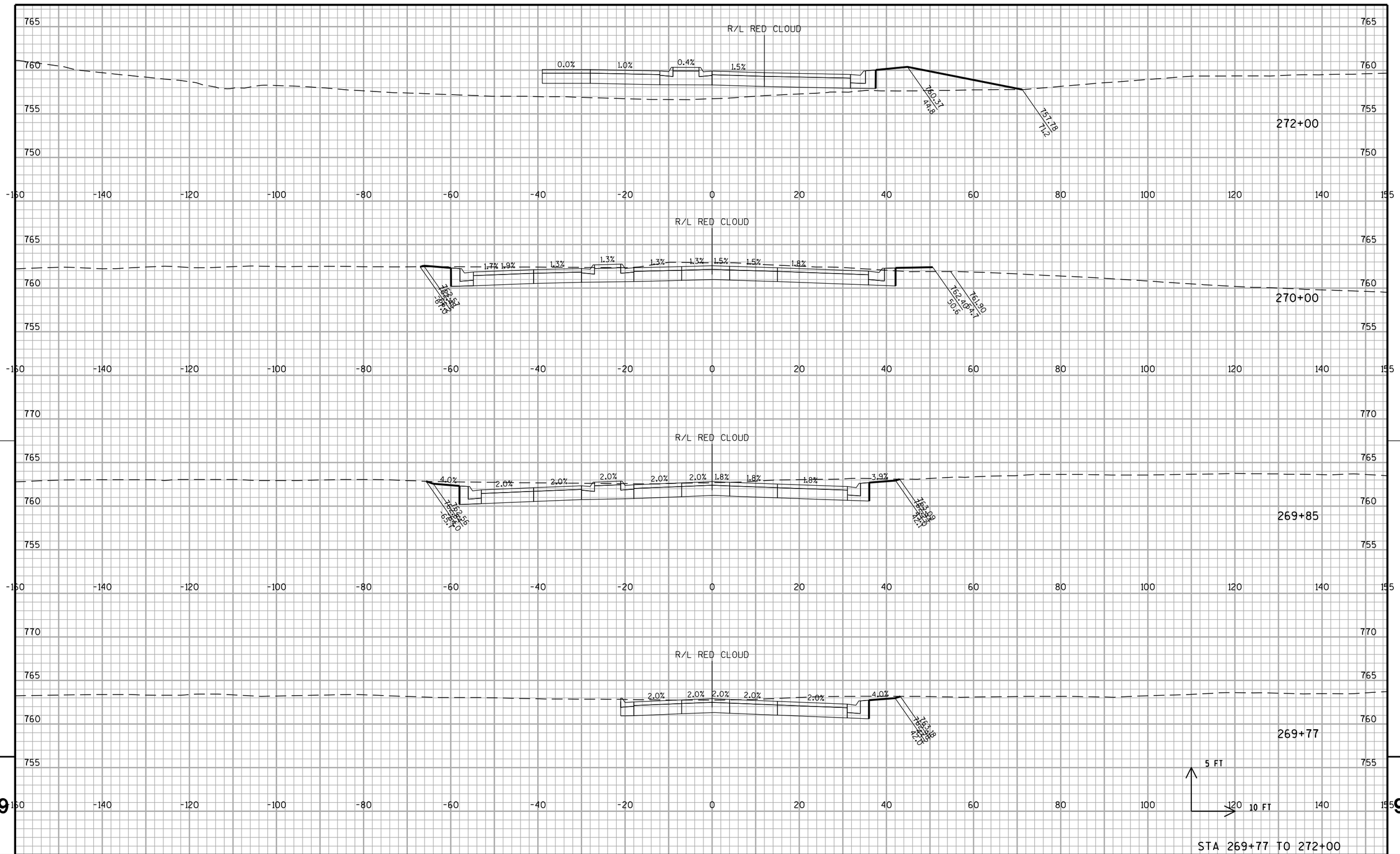
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090209_xs_frne.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090209_xs_frne2 PLOT SCALE : 20:1



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: EAST FRONTAGE ROAD - NORTH	SHEET PRE_651	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090209_xs_frne.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090209_xs_frne3 PLOT SCALE : 20:1

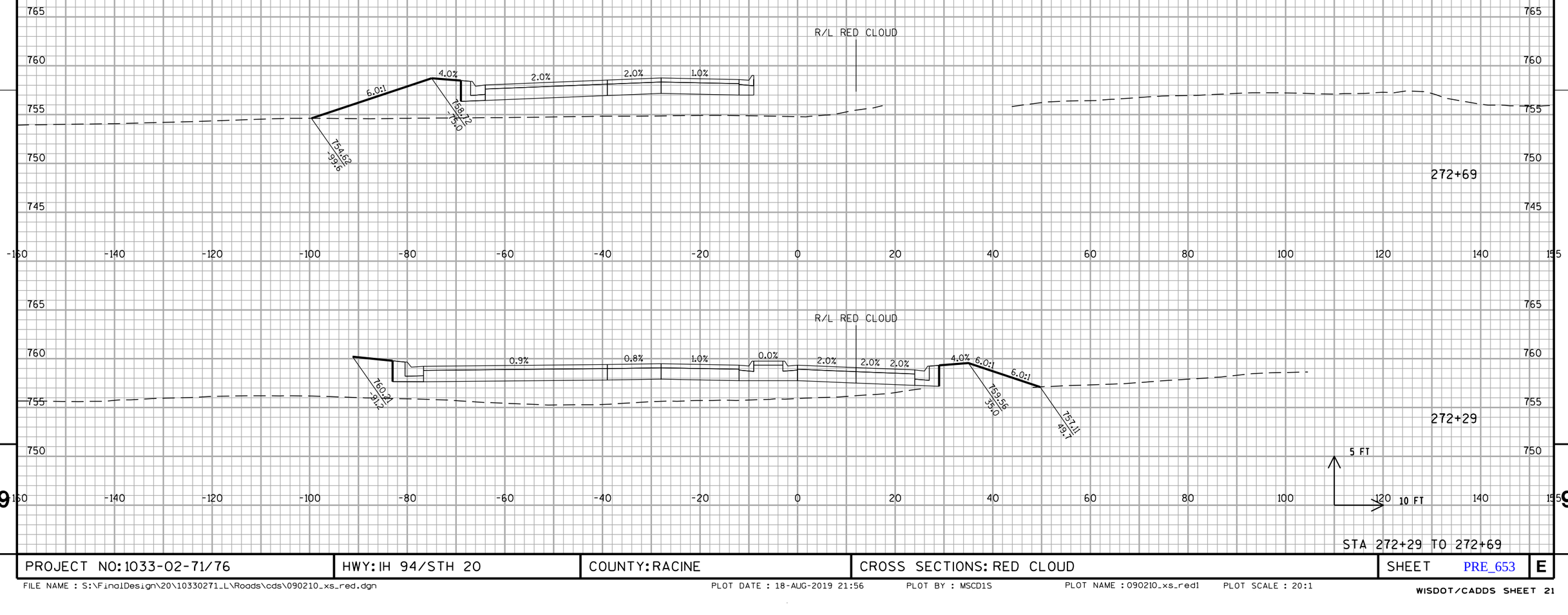
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RED CLOUD	SHEET PRE_652	E

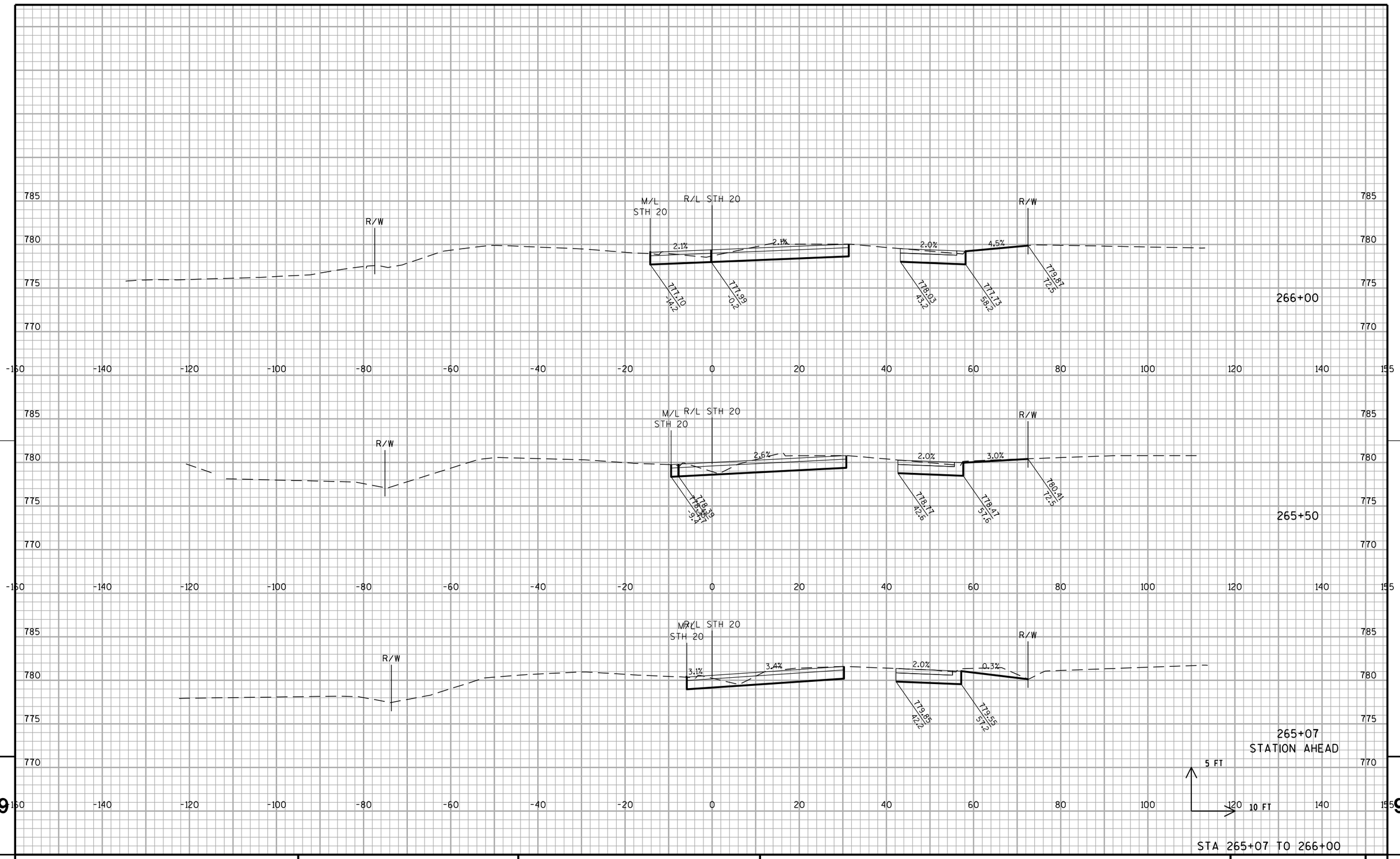
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090210_xs_red.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090210_xs_red PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 272+29 TO 272+69

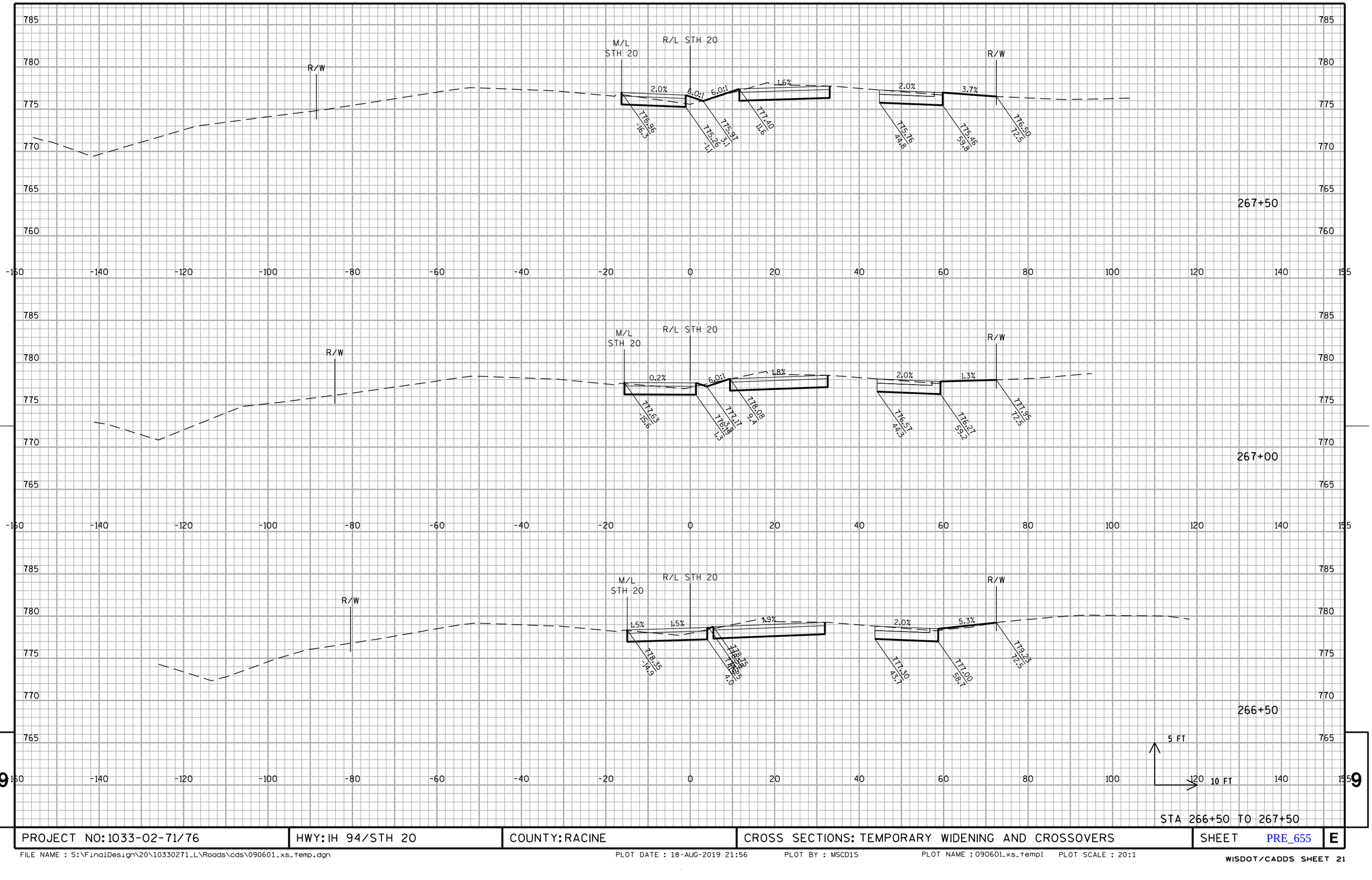
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: RED CLOUD	SHEET PRE_653	E



STA 265+07 TO 266+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_654	E

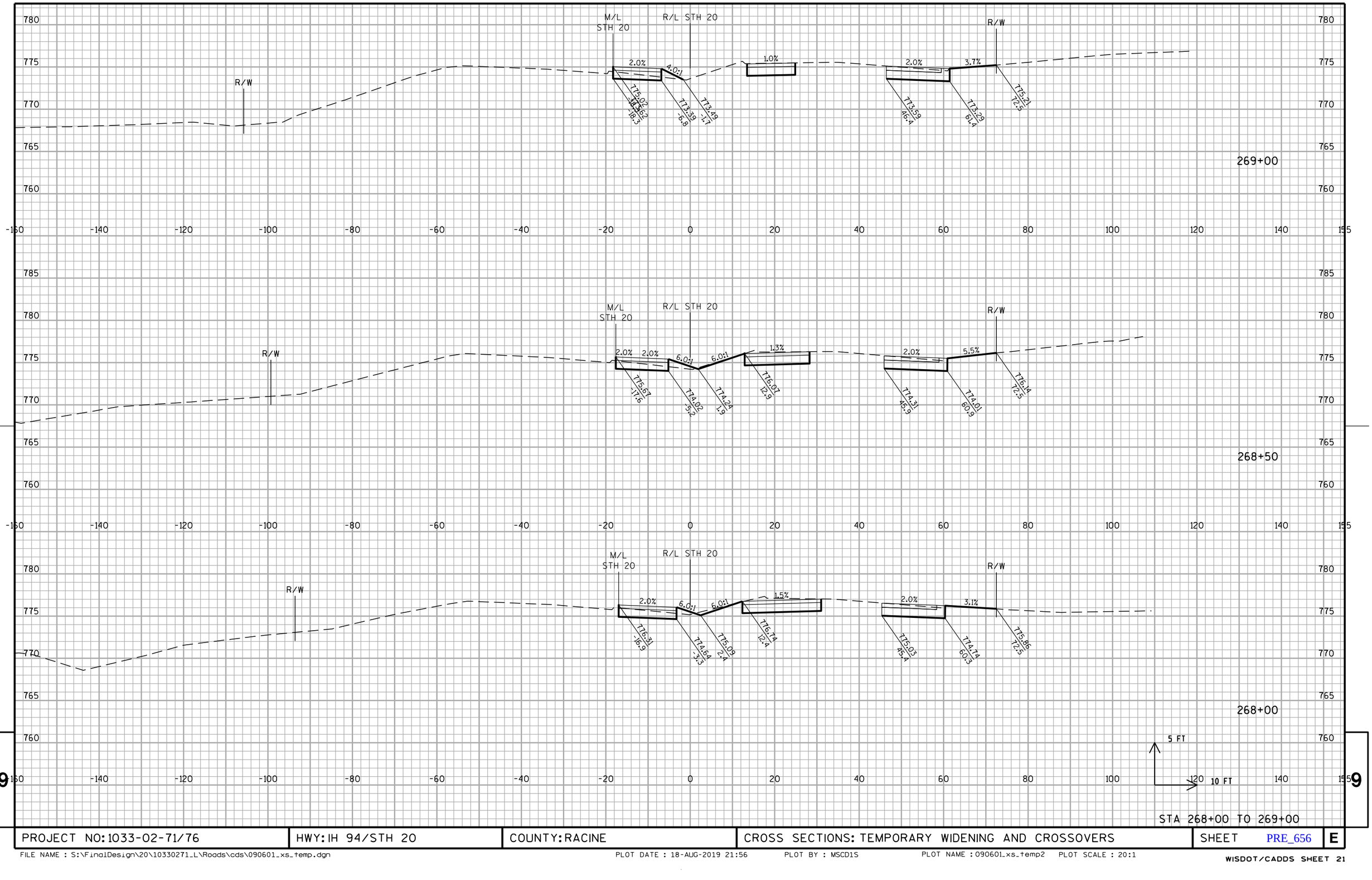
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_655	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp1 PLOT SCALE : 20:1

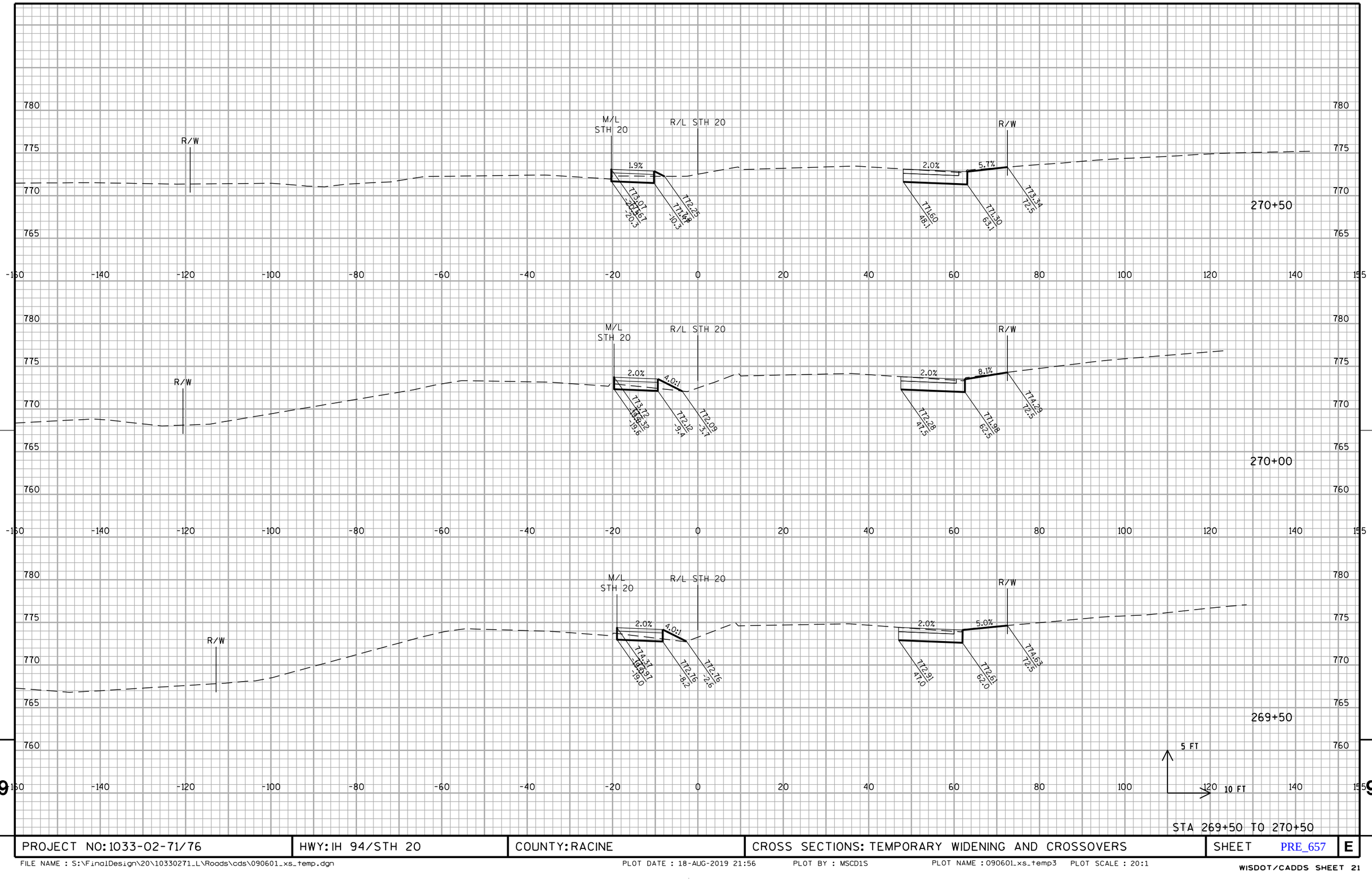
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_656	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp2 PLOT SCALE : 20:1

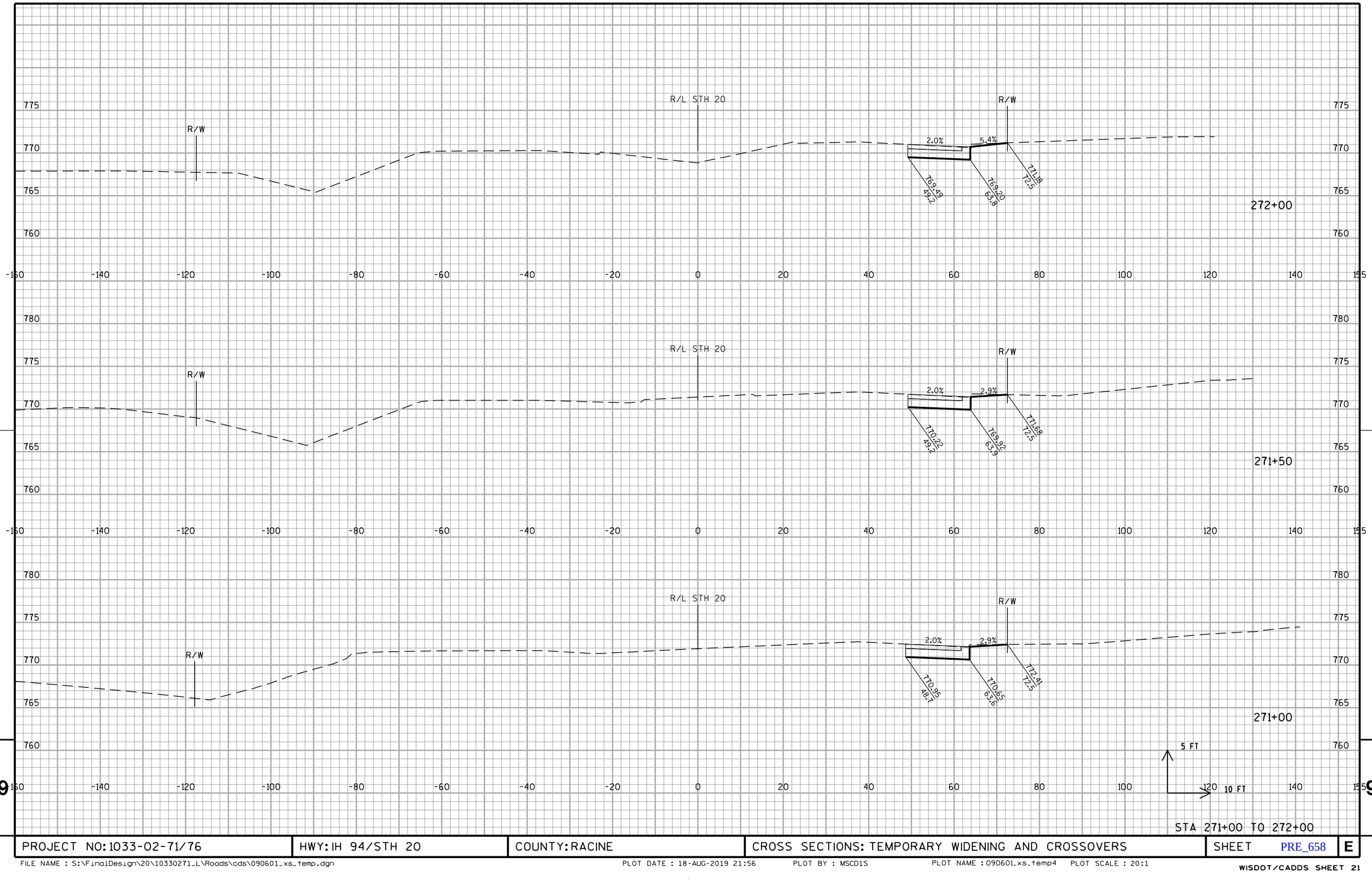
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_657	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp3 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

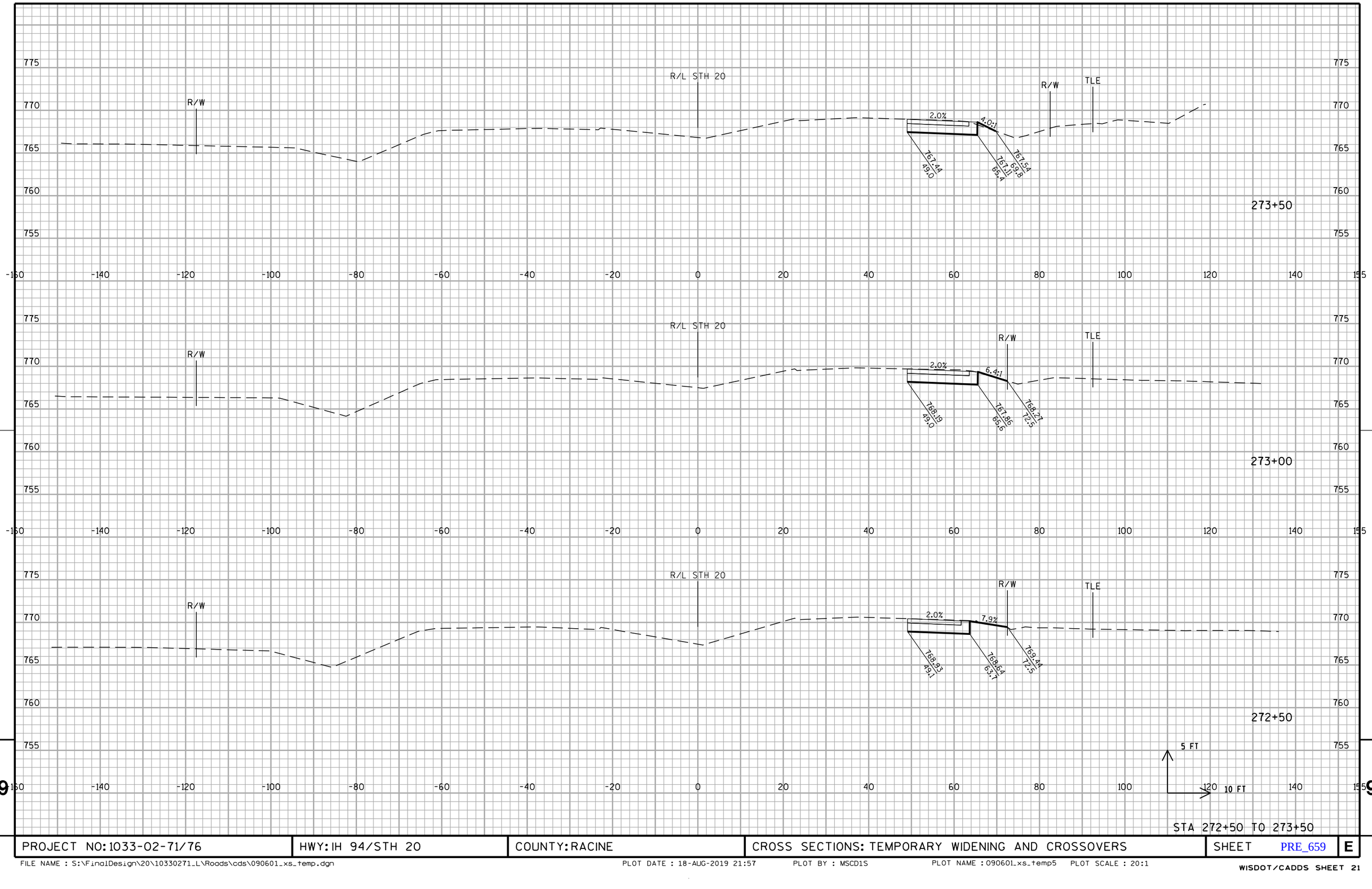


STA 271+00 TO 272+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_658	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:56 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp4 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

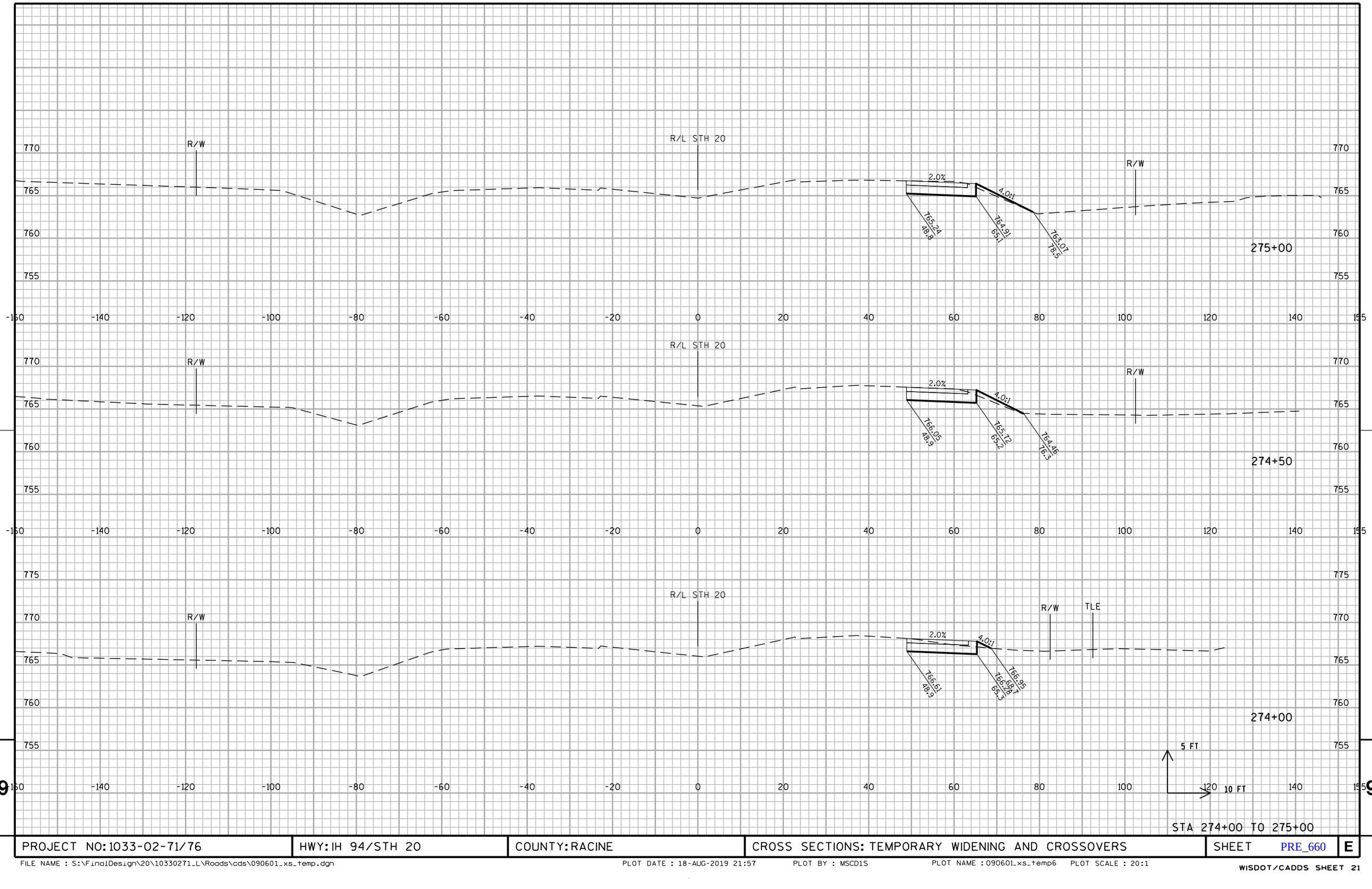


STA 272+50 TO 273+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_659	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp5 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 274+00 TO 275+00

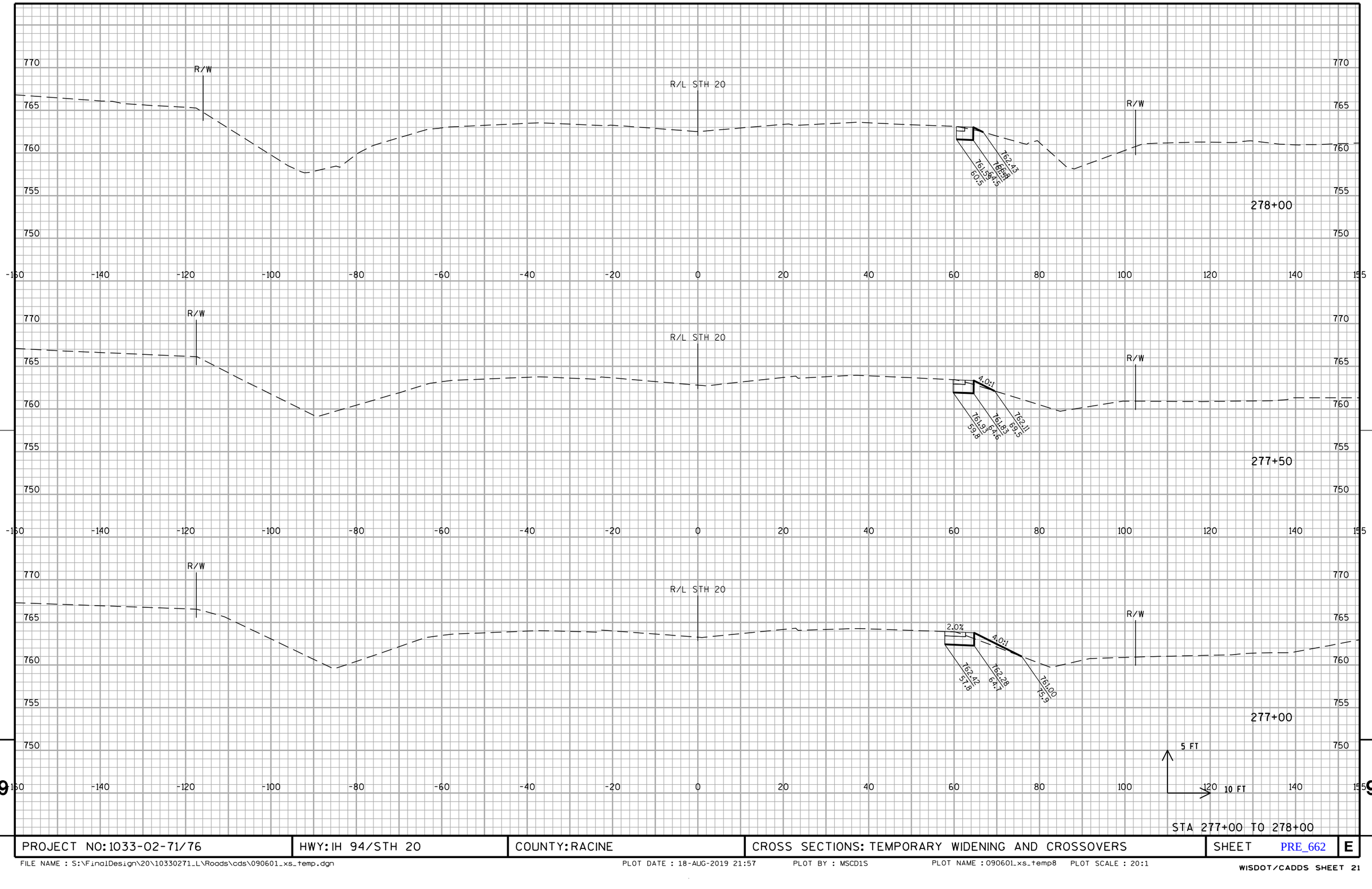
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_660	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp6 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_661	E

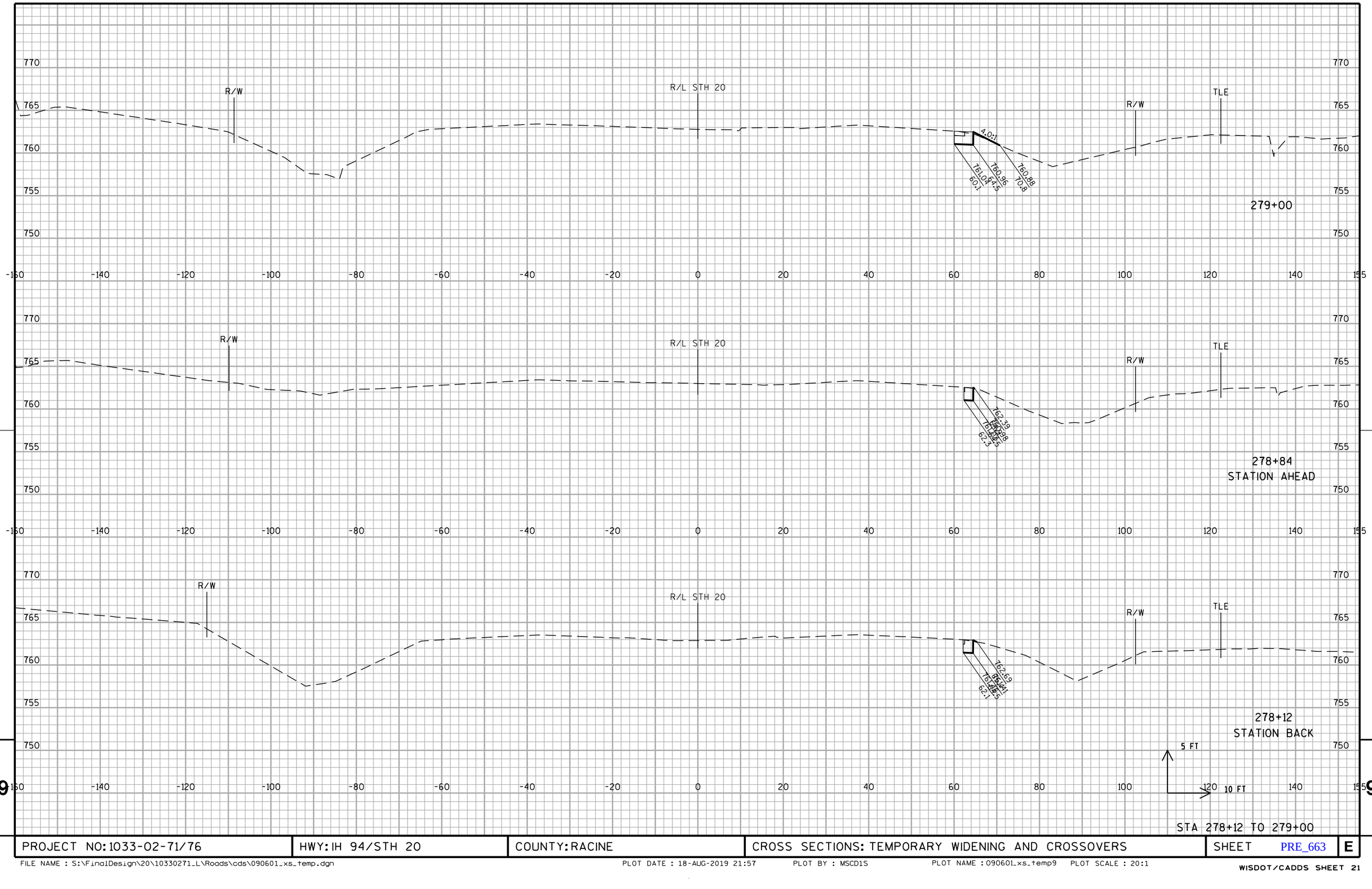


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_662	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp8 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

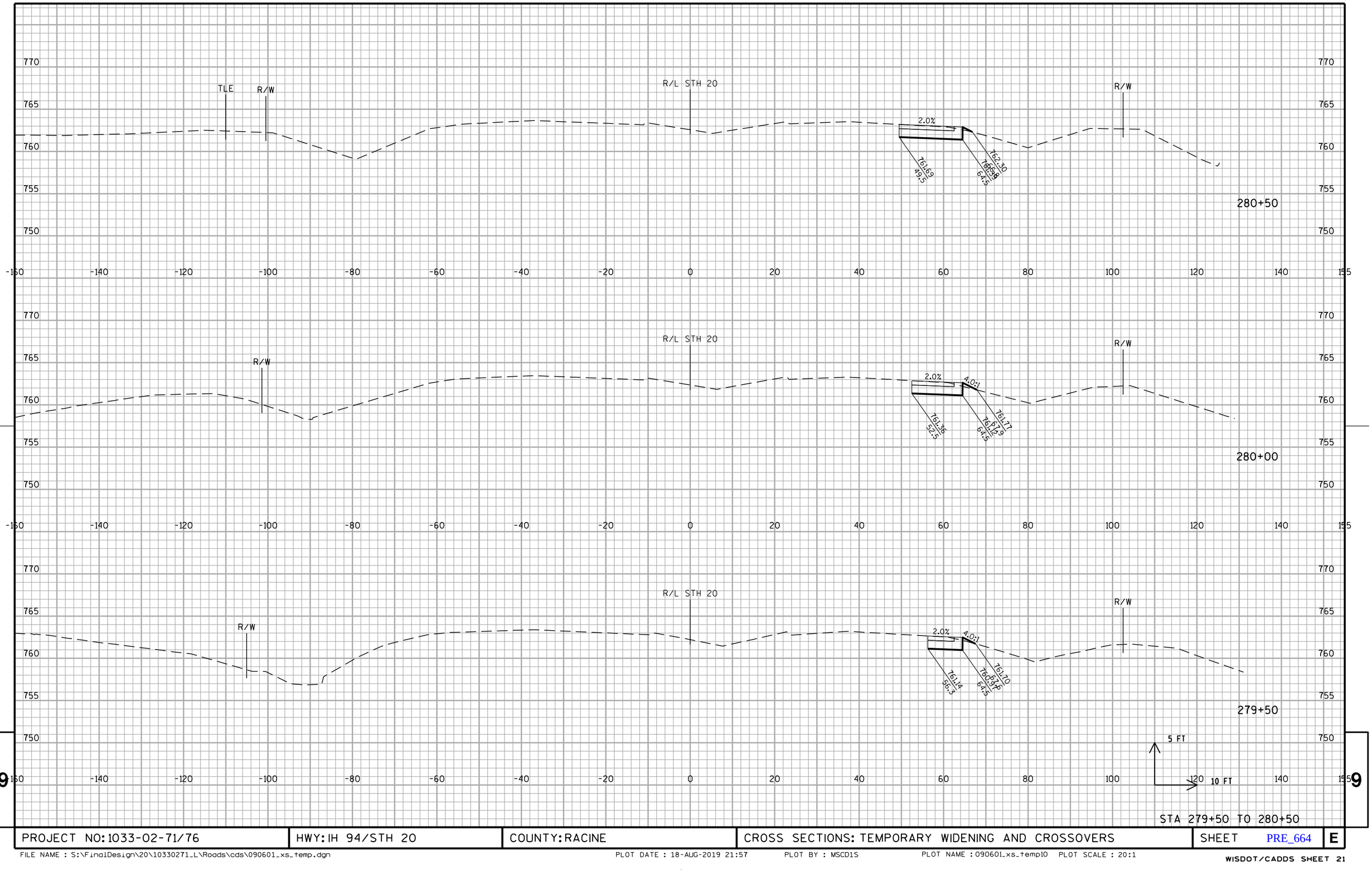
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_663	E

9

STA 278+12 TO 279+00

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp9 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

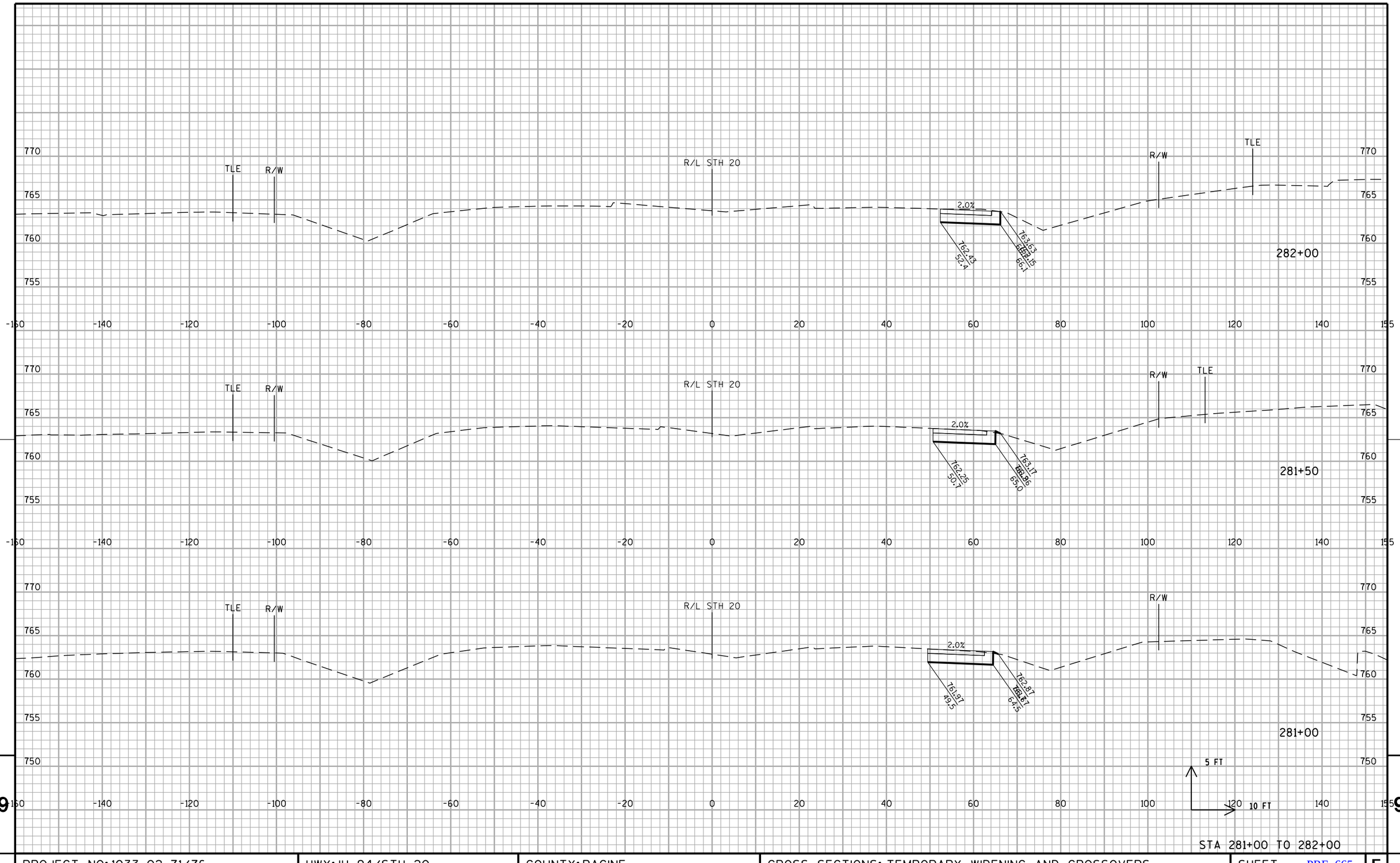


9

PROJECT NO: 1033-02-71/76 | HWY: IH 94/STH 20 | COUNTY: RACINE | CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS | SHEET PRE_664 | E

STA 279+50 TO 280+50

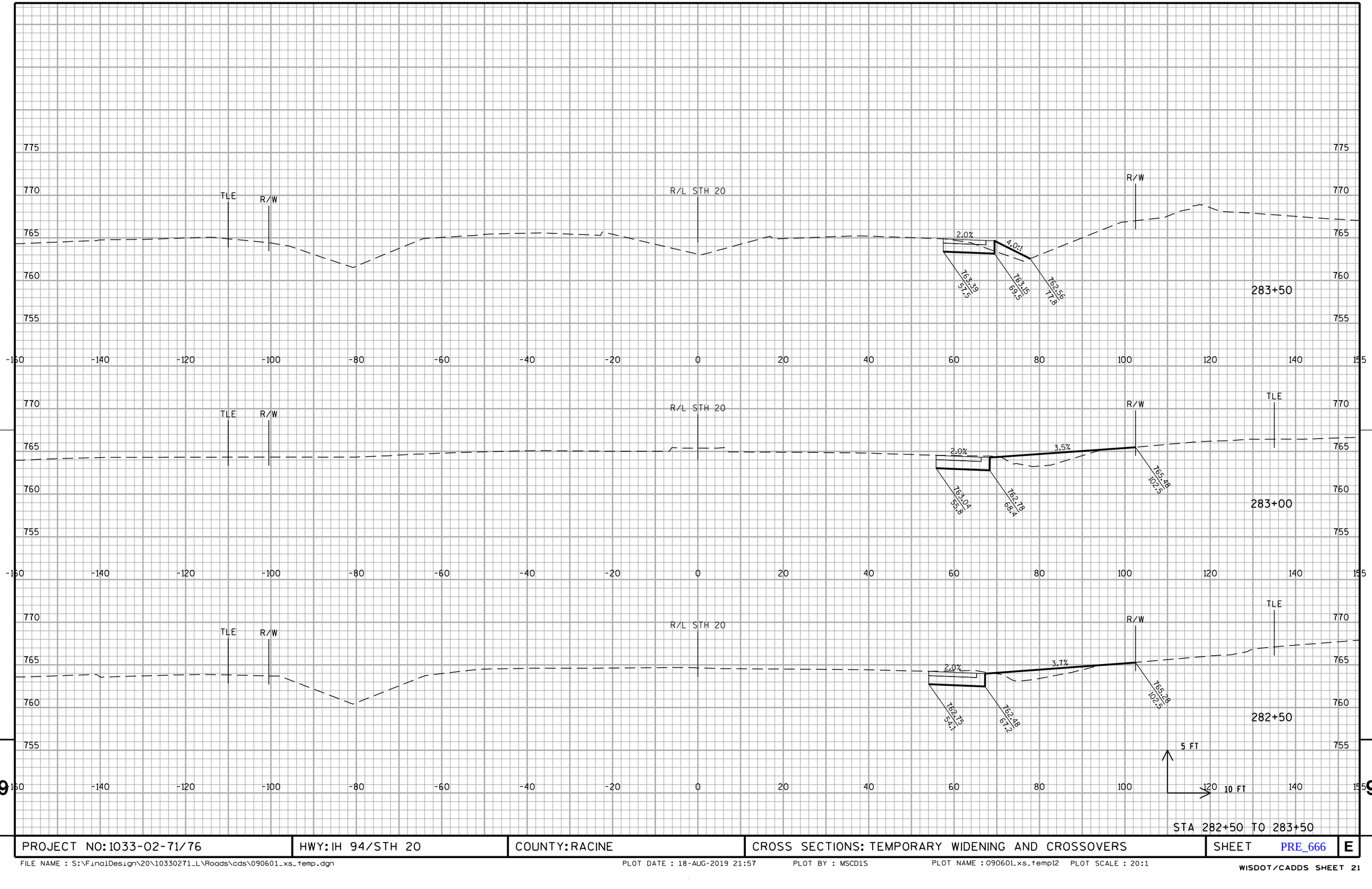
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp10 PLOT SCALE : 20:1



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_665	E

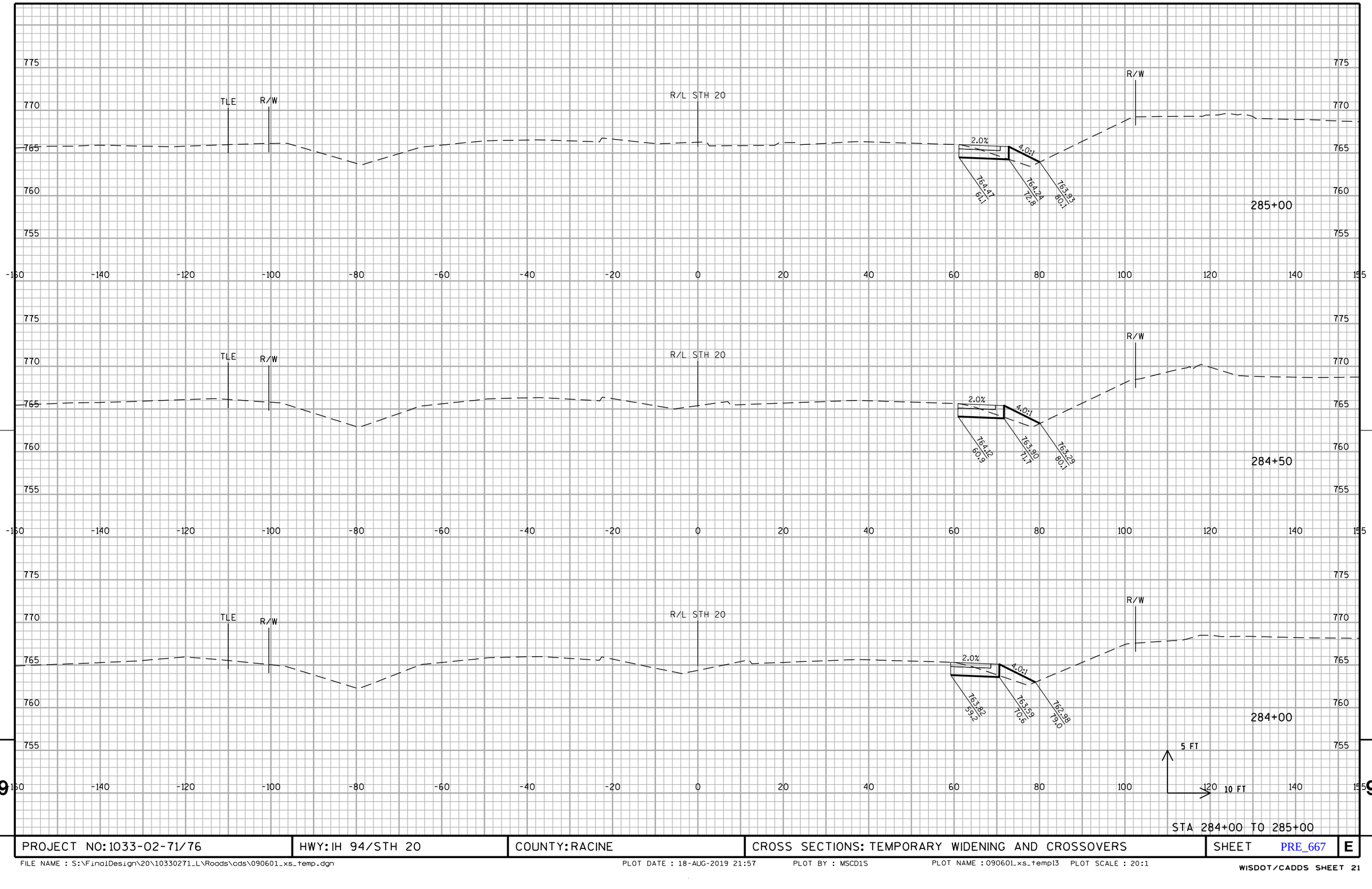
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp11 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_666	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp12 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



9

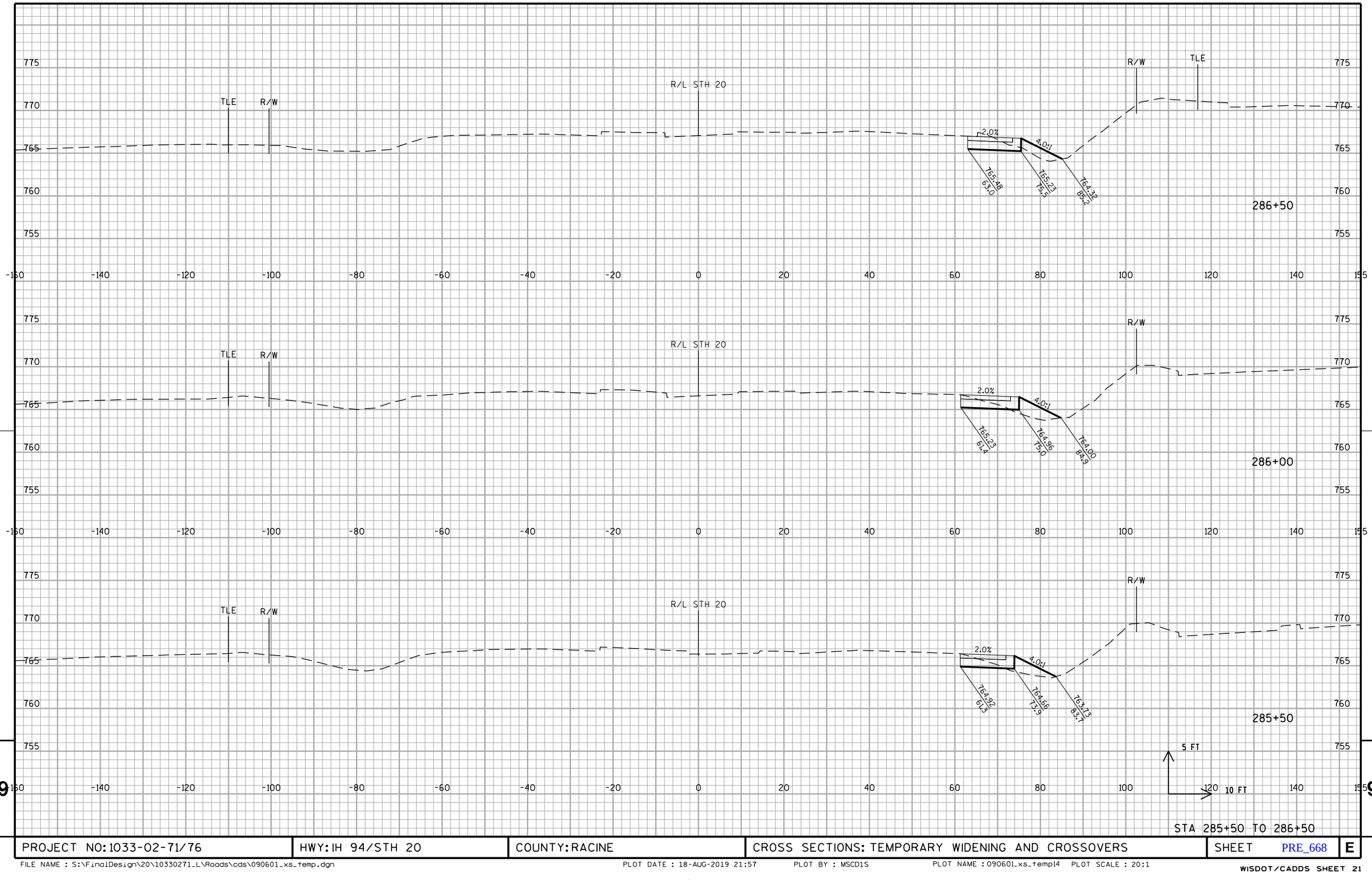
PROJECT NO: 1033-02-71/76 | HWY: IH 94/STH 20 | COUNTY: RACINE | CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS | SHEET PRE_667 | E

STA 284+00 TO 285+00

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp13 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



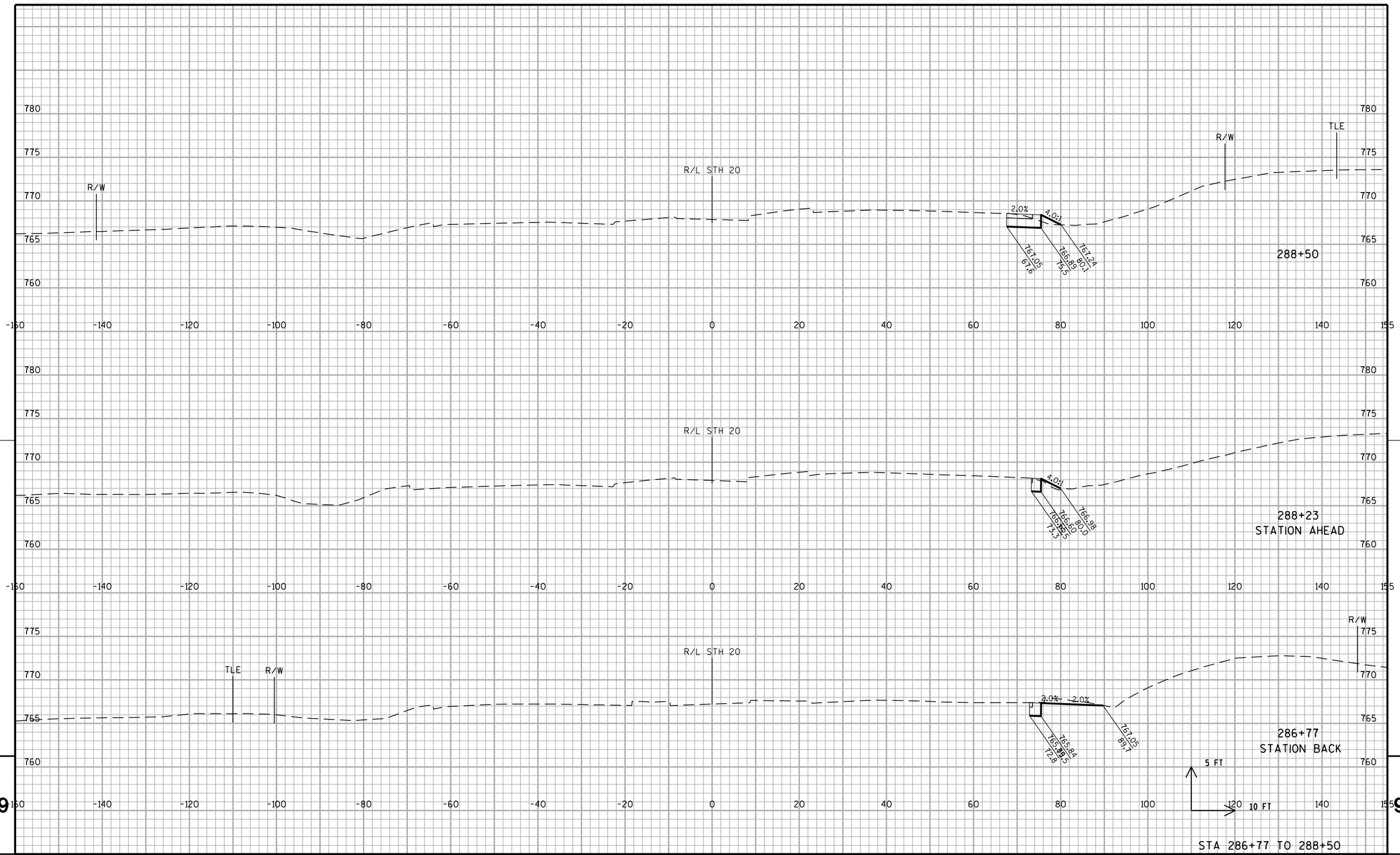
STA 285+50 TO 286+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_668	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp14 PLOT SCALE : 20:1

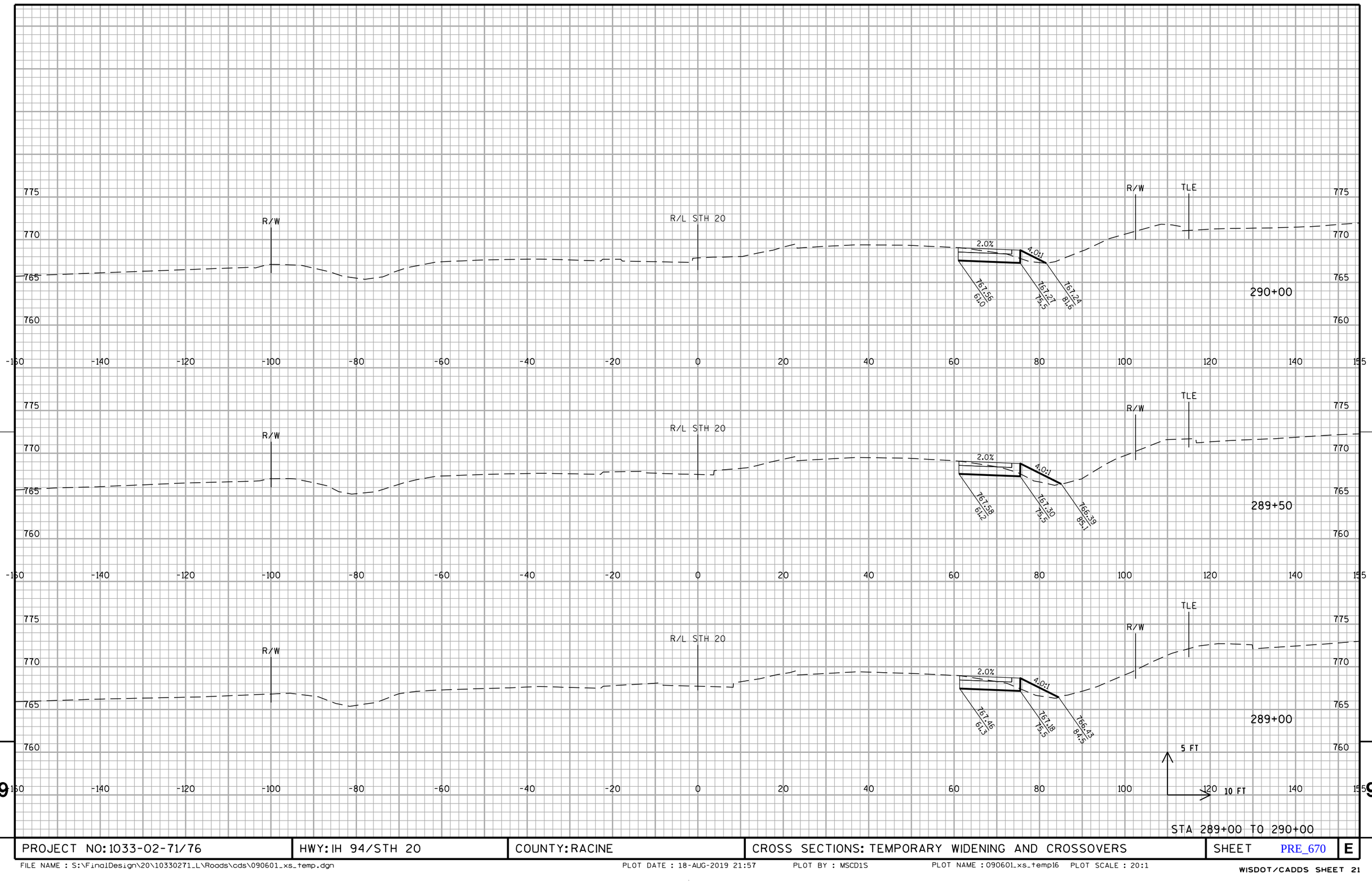
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_669	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp15 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



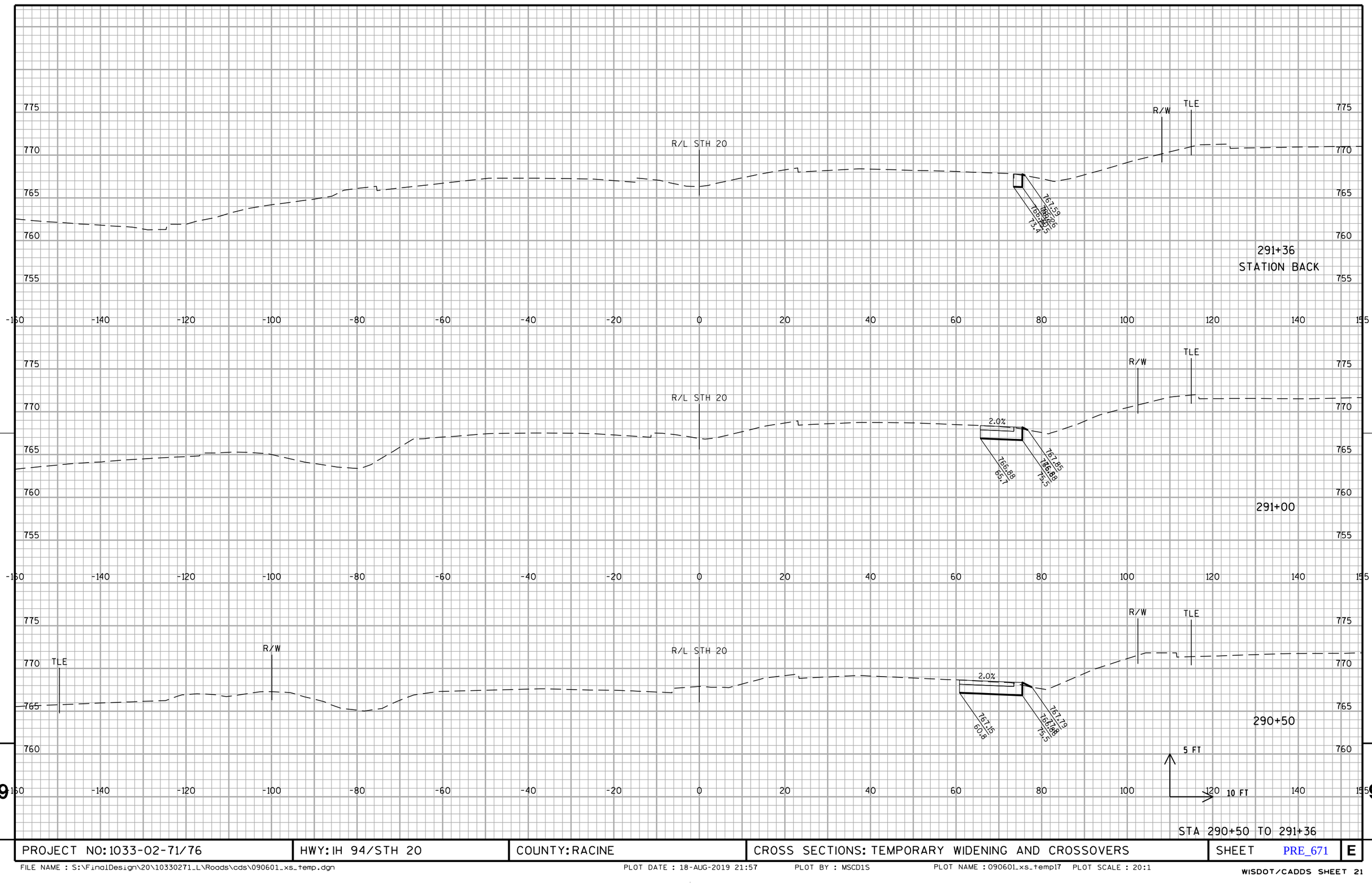
STA 289+00 TO 290+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_670	E

9 9

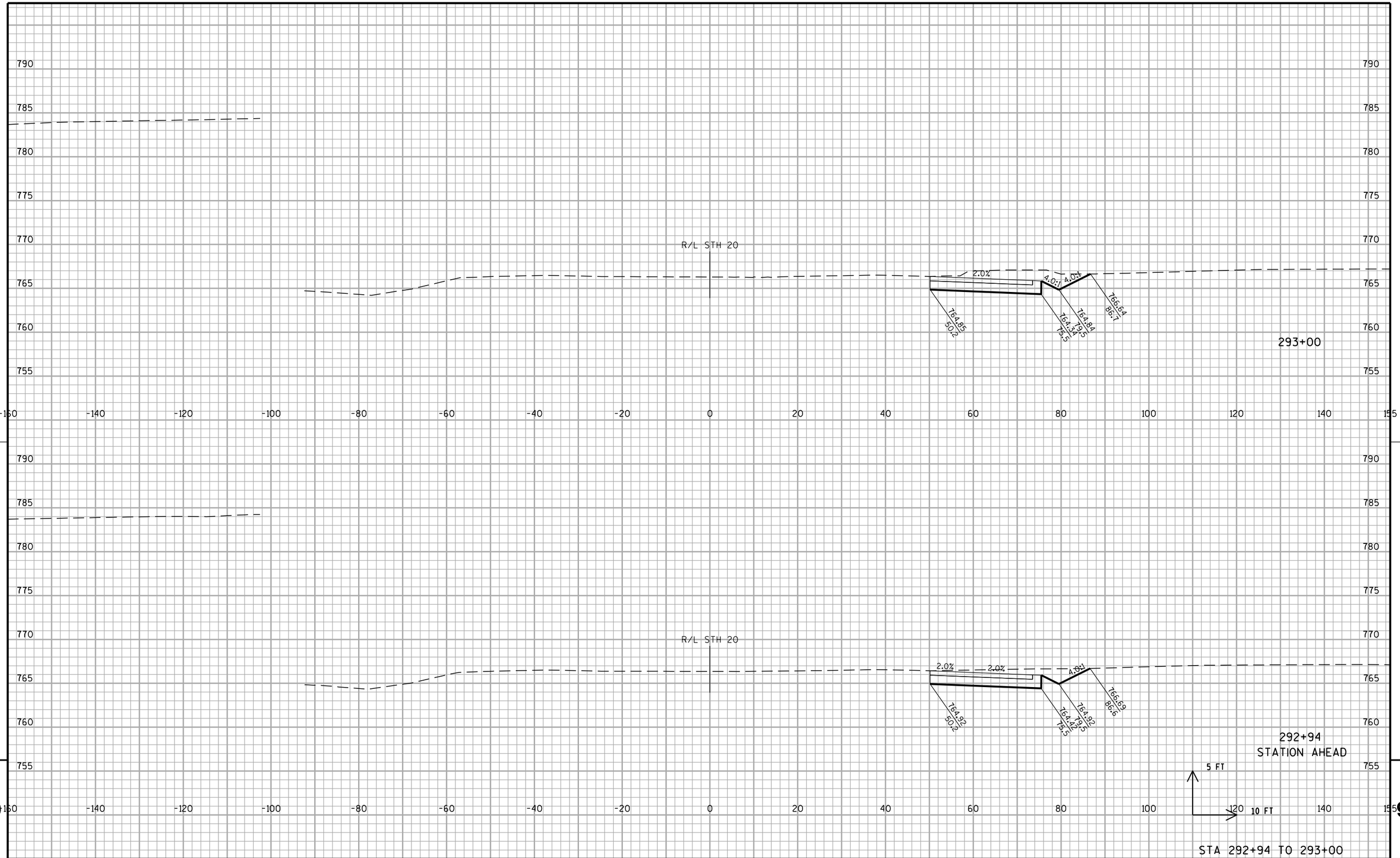
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp16 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_671	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp17 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



9

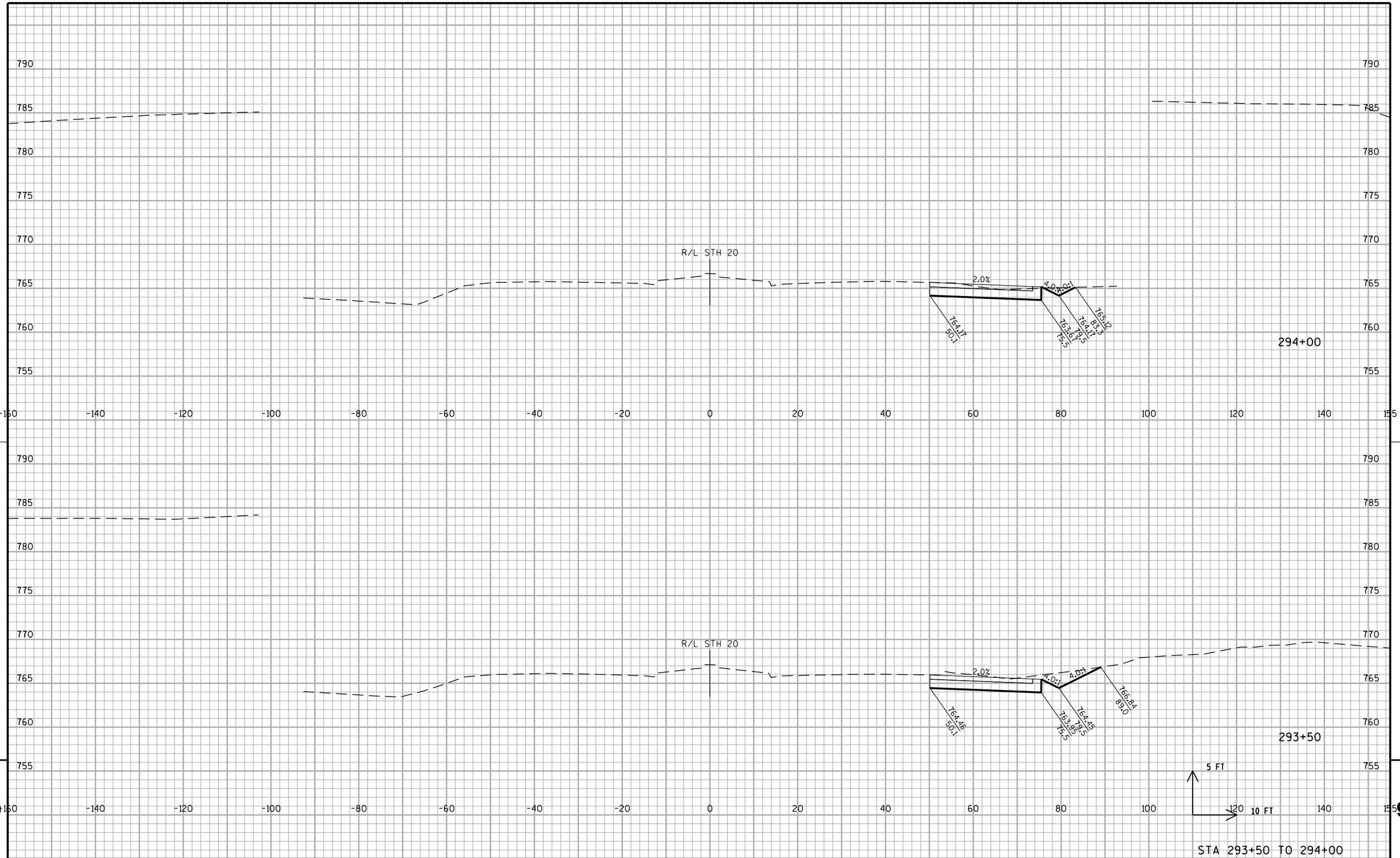
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_672	E

STA 292+94 TO 293+00

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp18 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

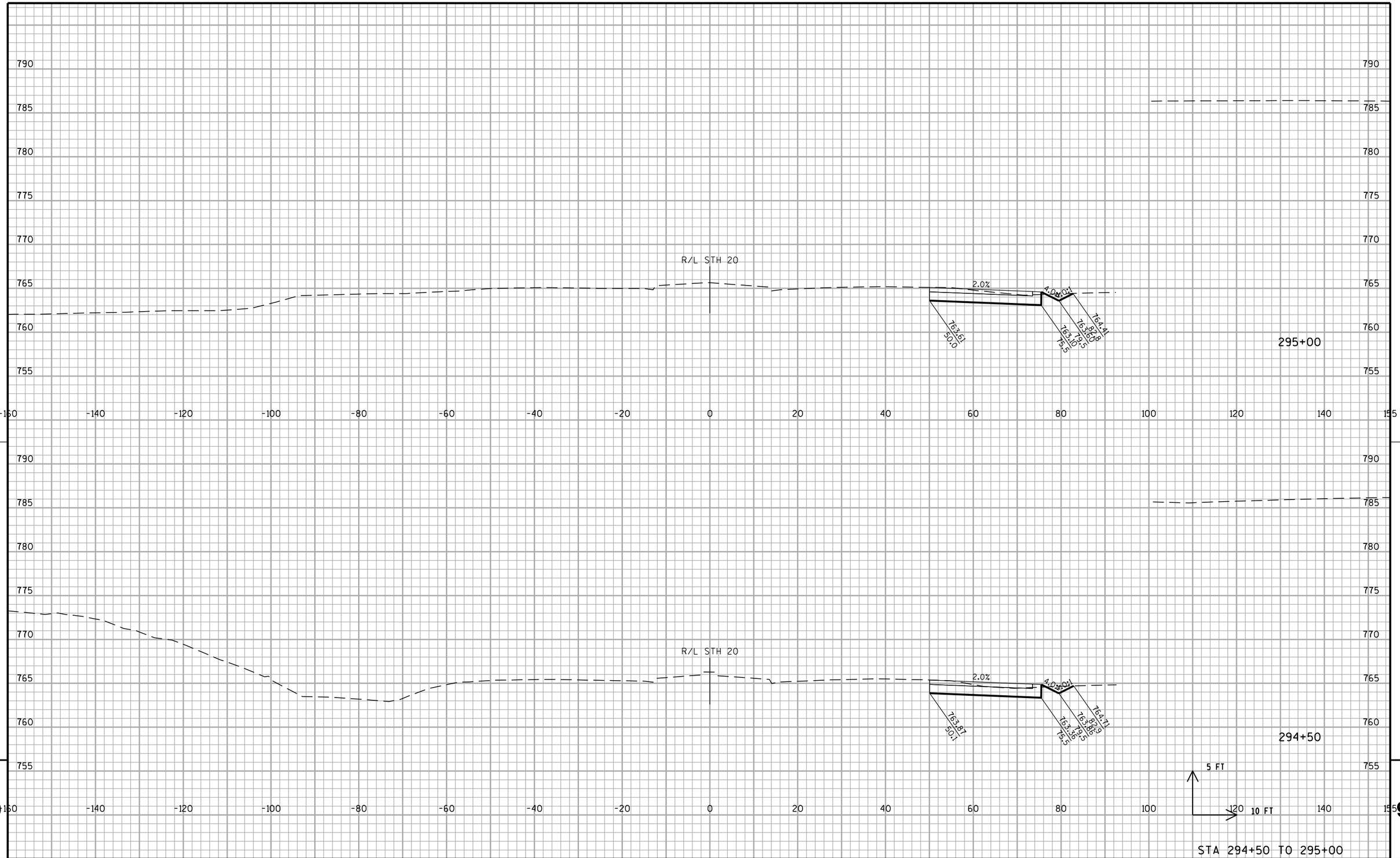
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_673	E

STA 293+50 TO 294+00

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp19 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

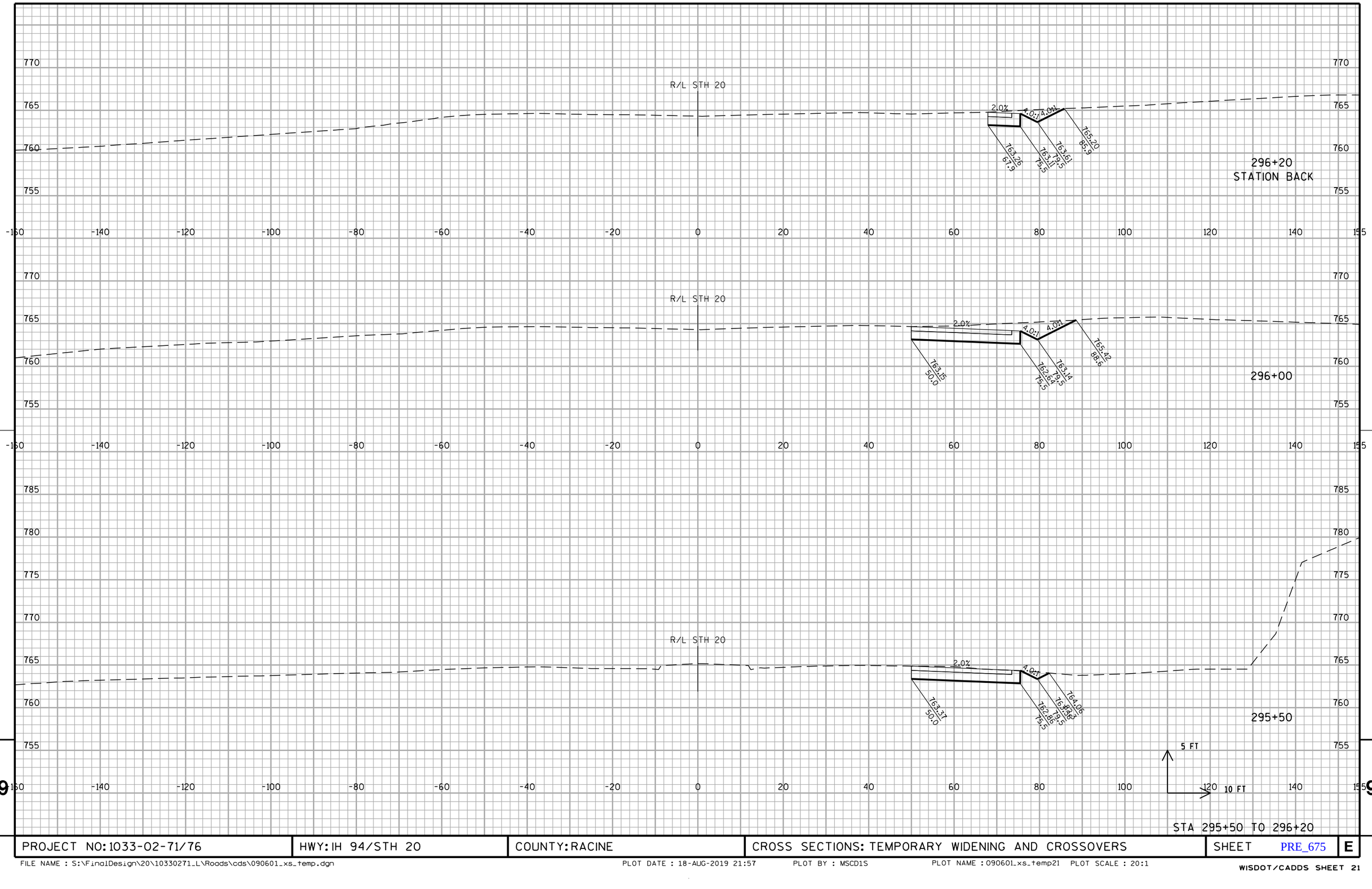
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_674	E

STA 294+50 TO 295+00

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp20 PLOT SCALE : 20:1

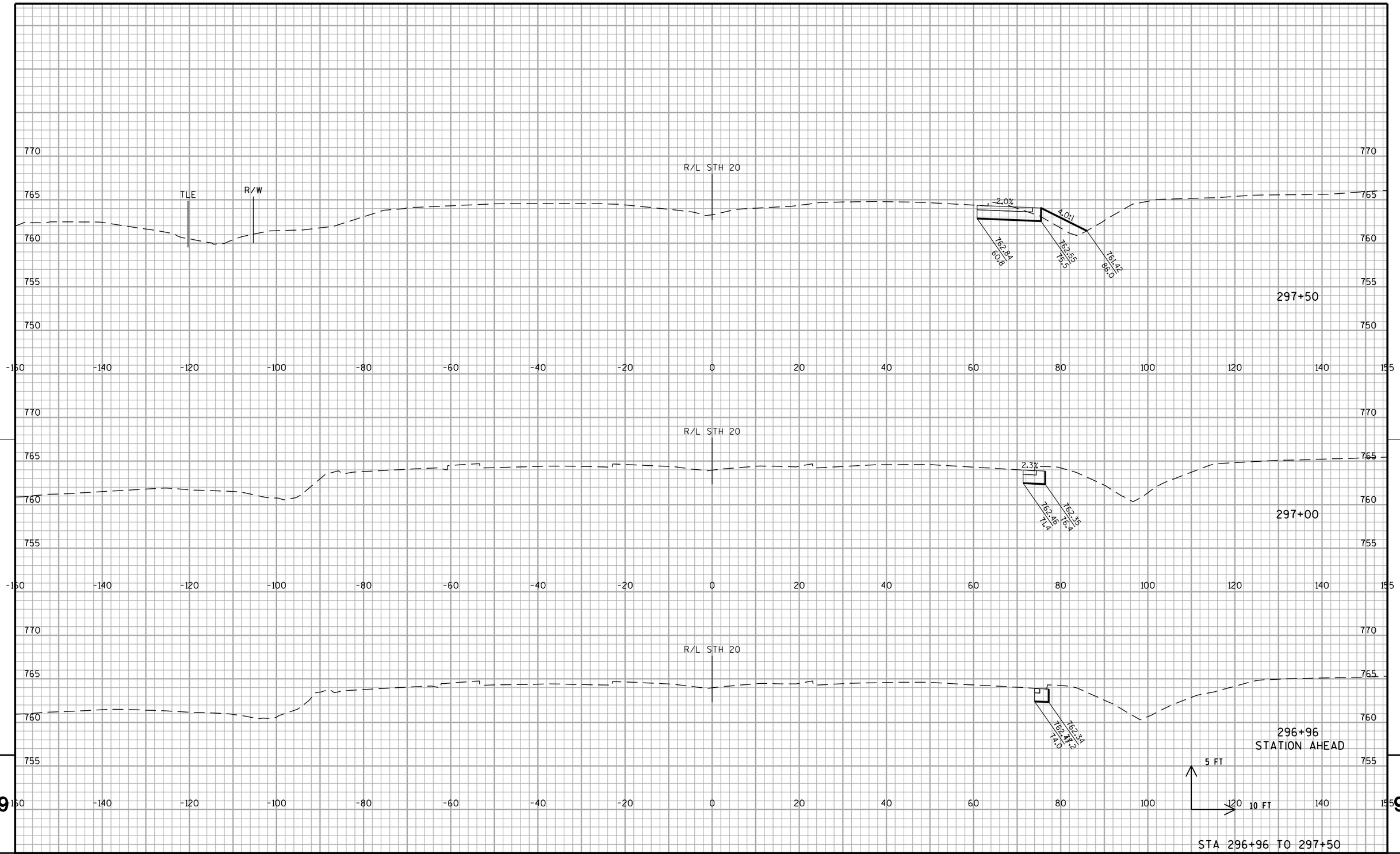
WISDOT/CADDS SHEET 21



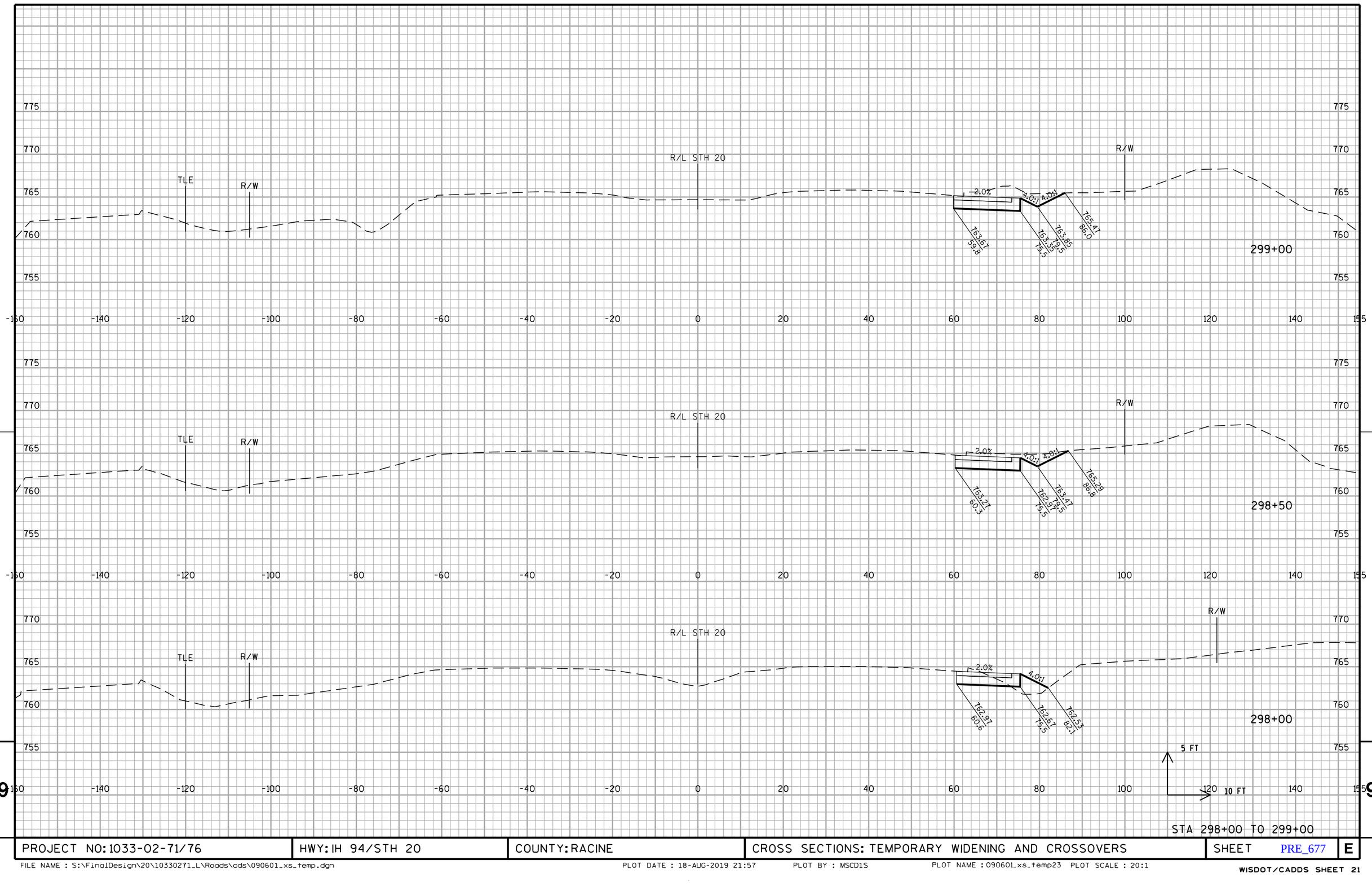
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_675	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp21 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

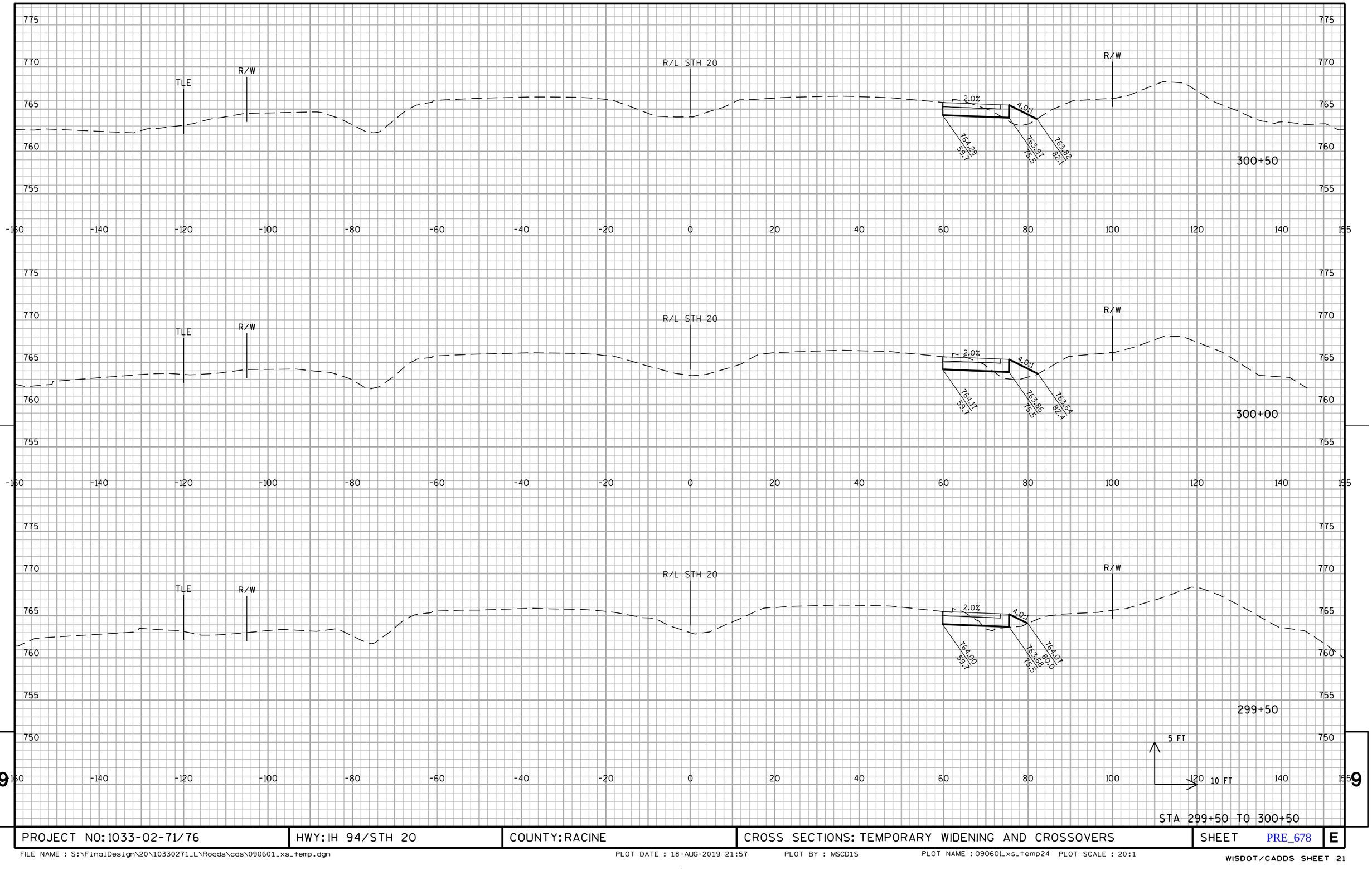


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_676	E



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_677	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp23 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

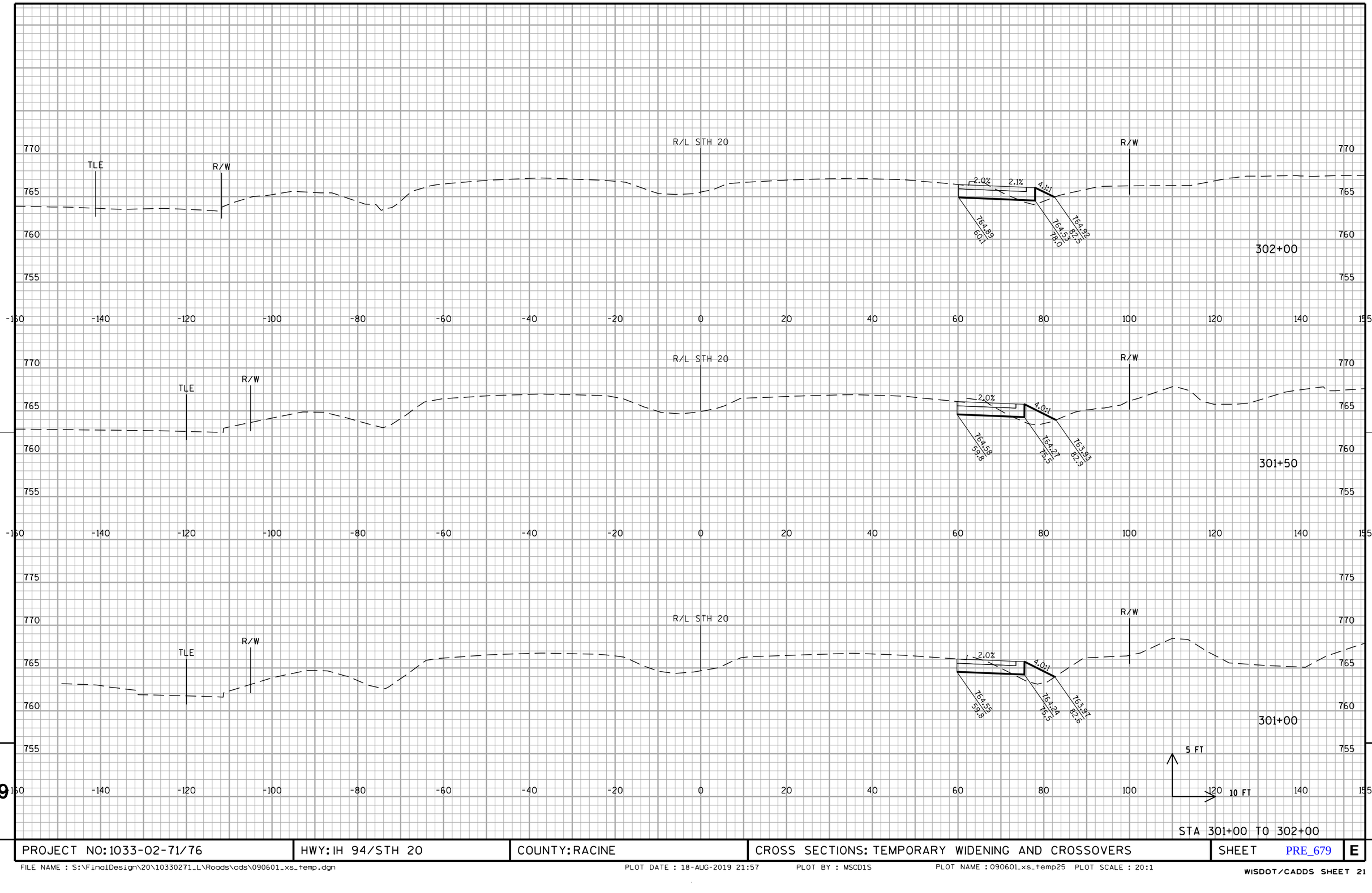


STA 299+50 TO 300+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_678	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp24 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

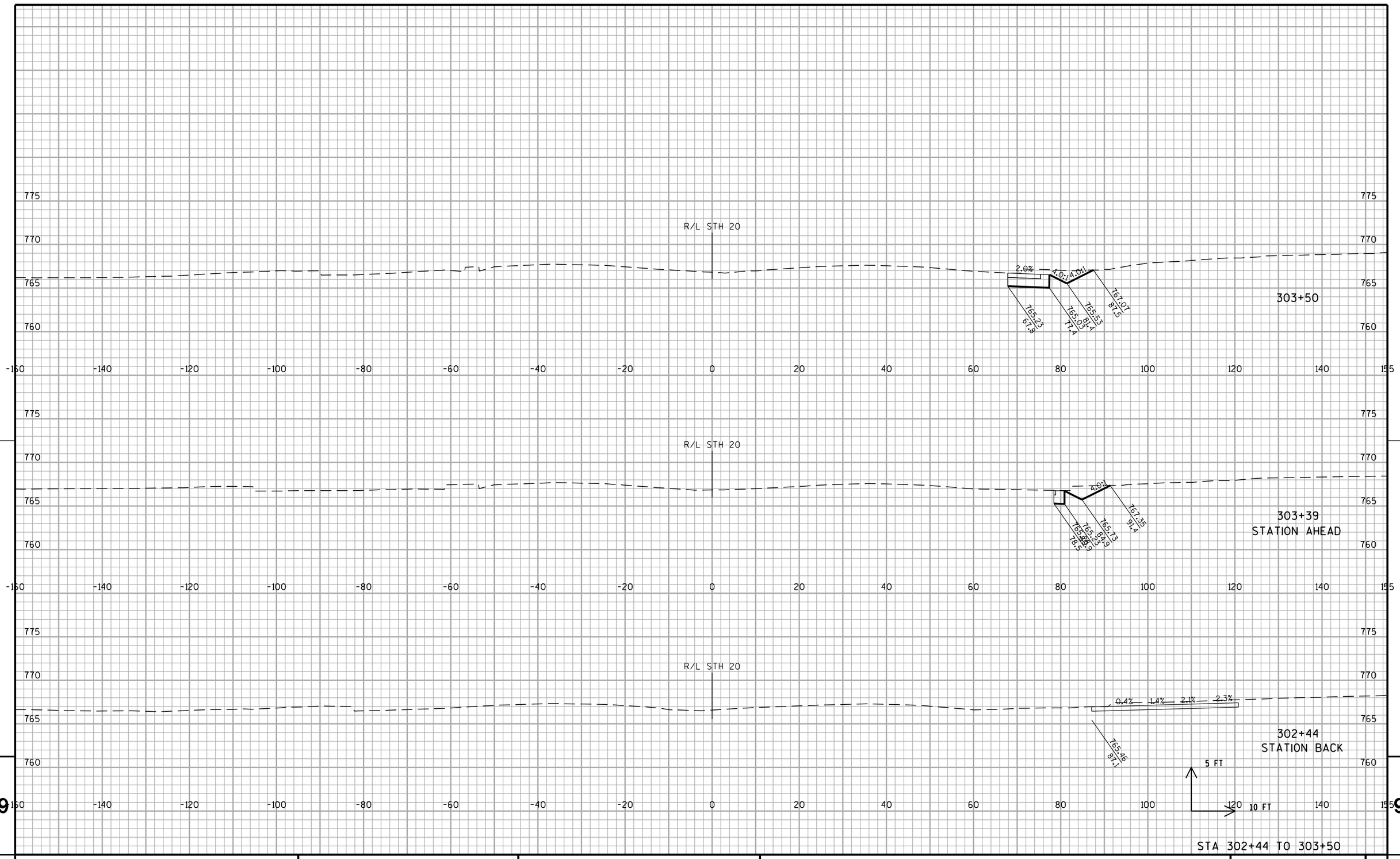


PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_679	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp25 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

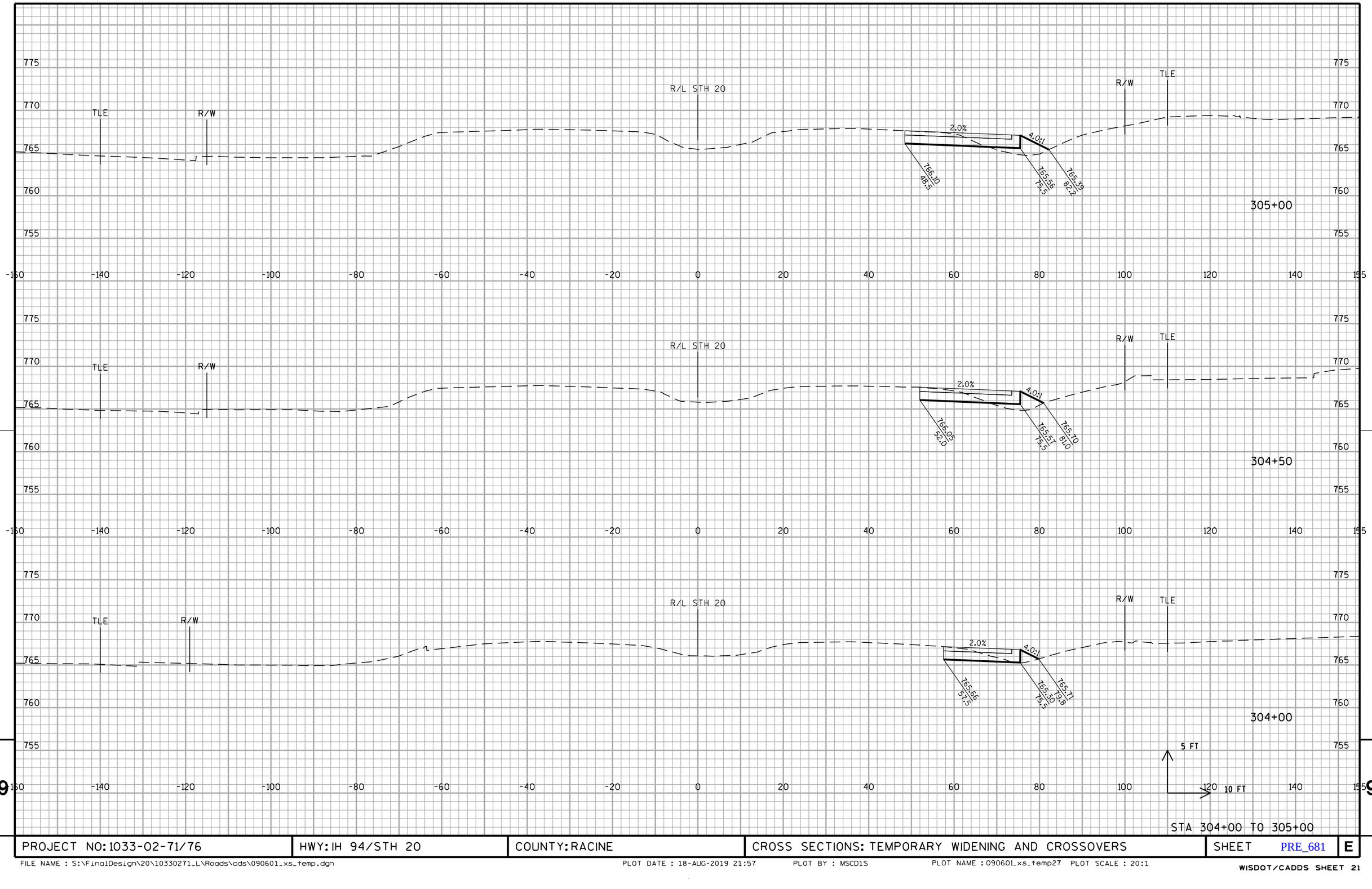
9 9



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_680	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp26 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



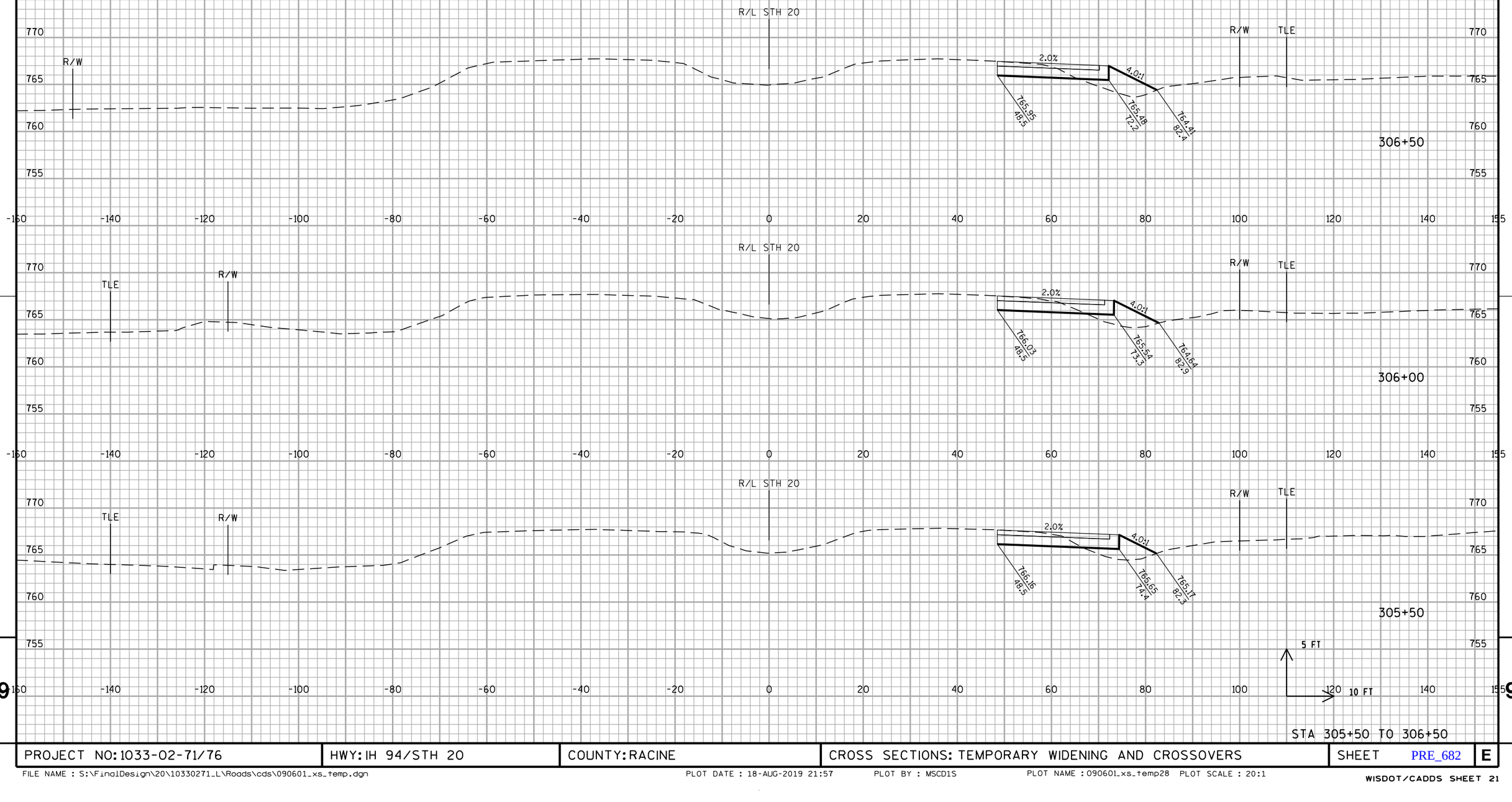
9

PROJECT NO: 1033-02-71/76 | HWY: IH 94/STH 20 | COUNTY: RACINE | CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS | SHEET PRE_681 | E

STA 304+00 TO 305+00

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp27 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

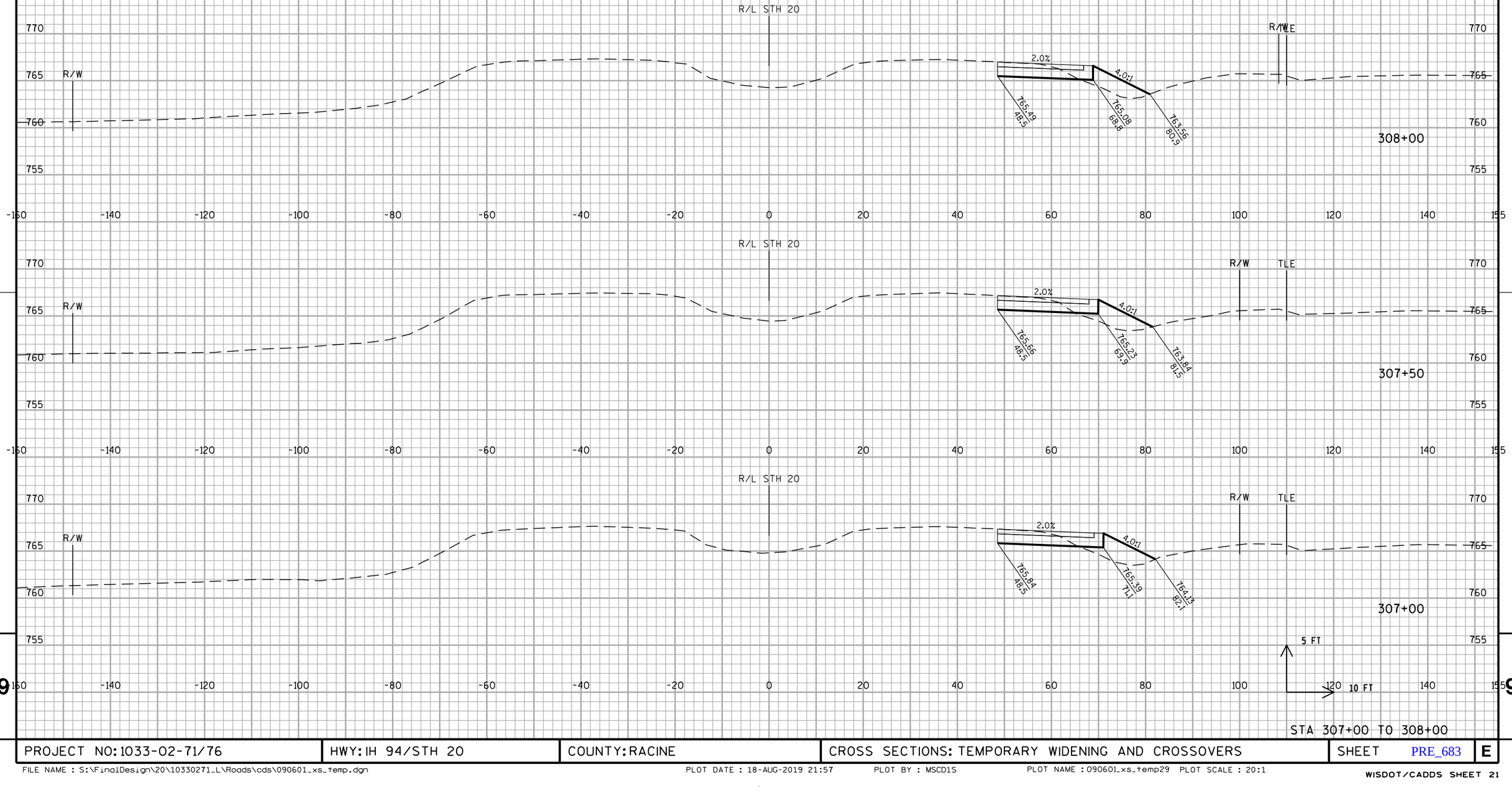
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_682	E

STA 305+50 TO 306+50

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp28 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



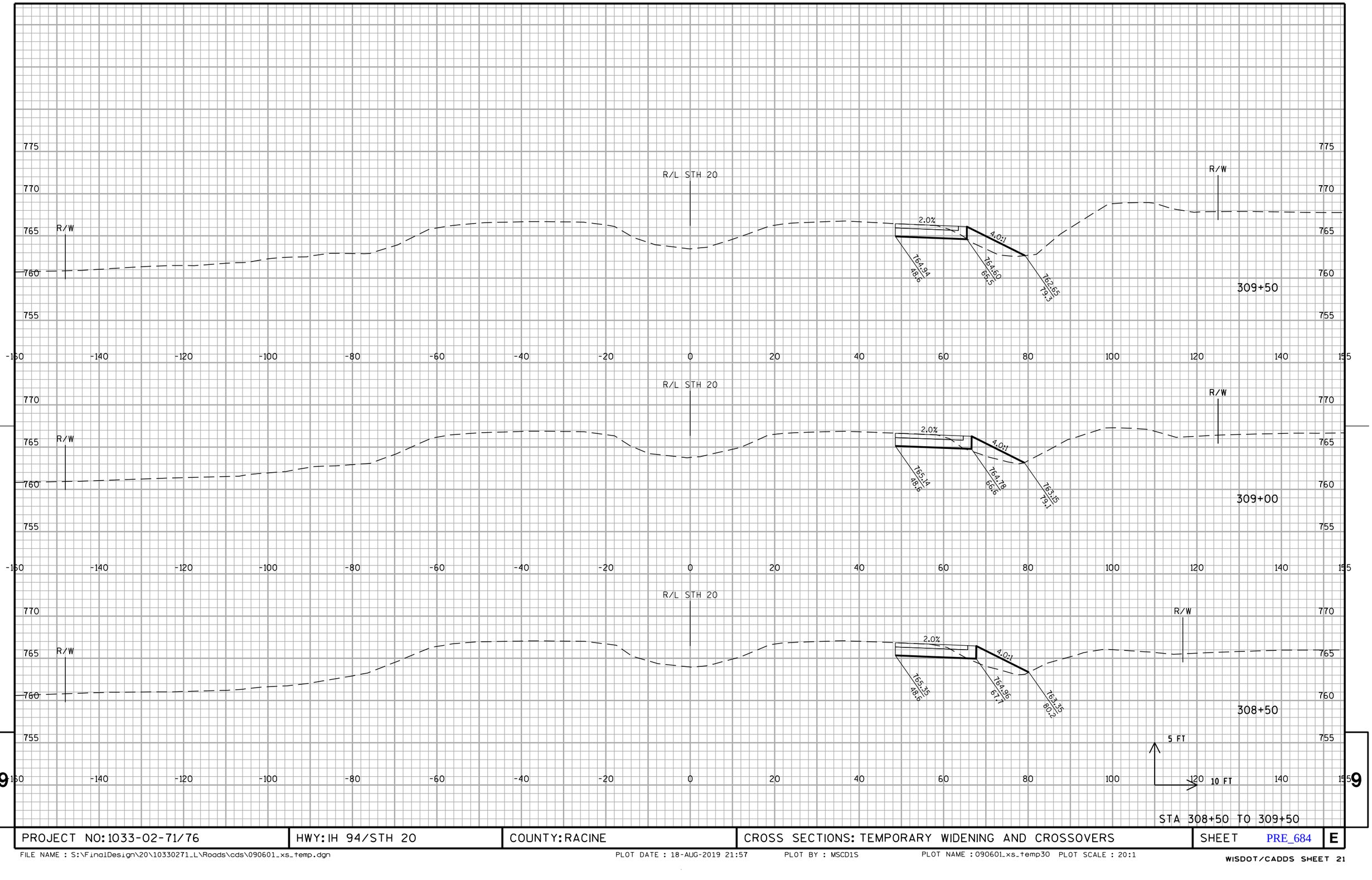
STA 307+00 TO 308+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_683	E

9 9

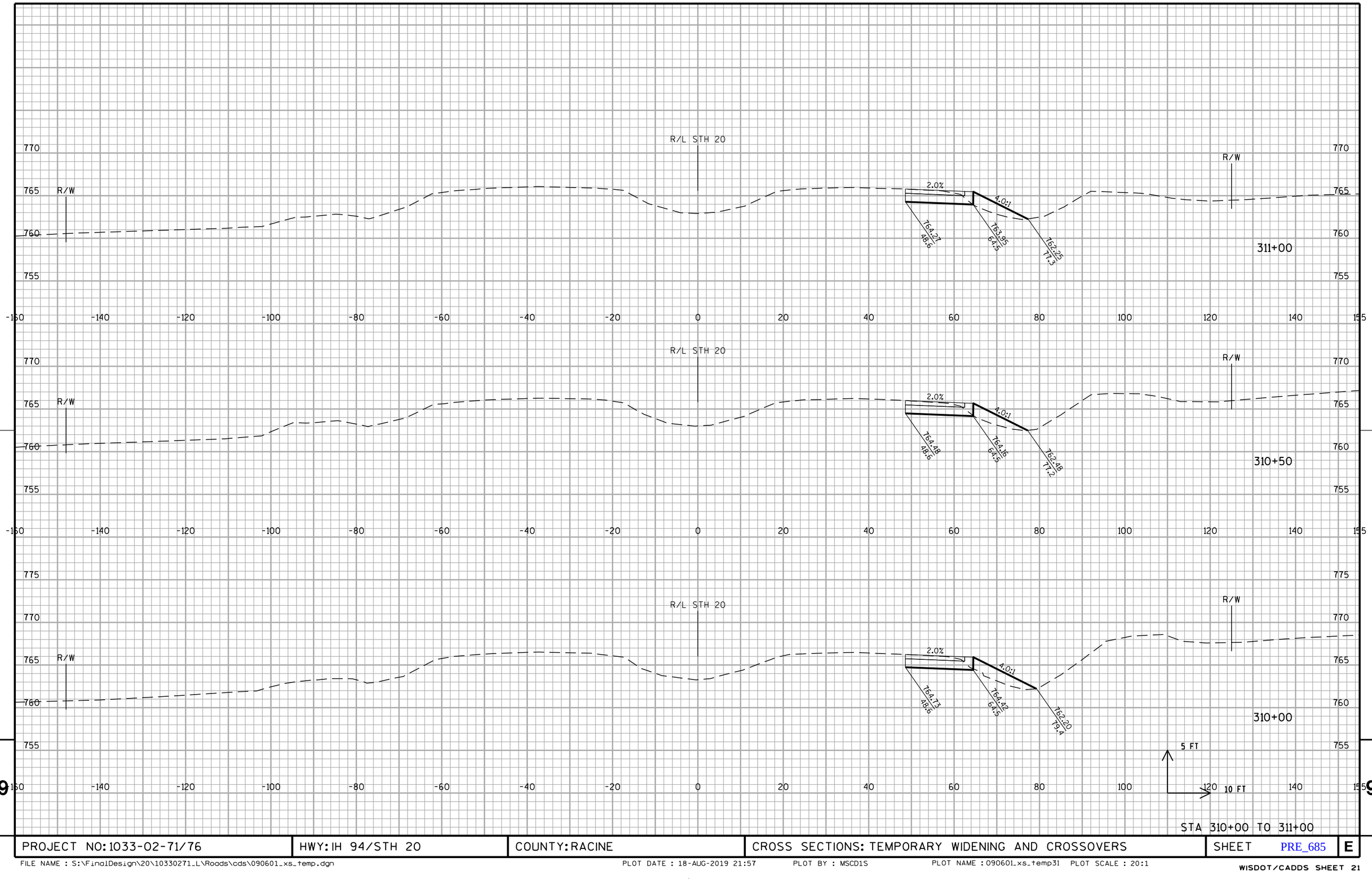
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp29 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_684	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp30 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



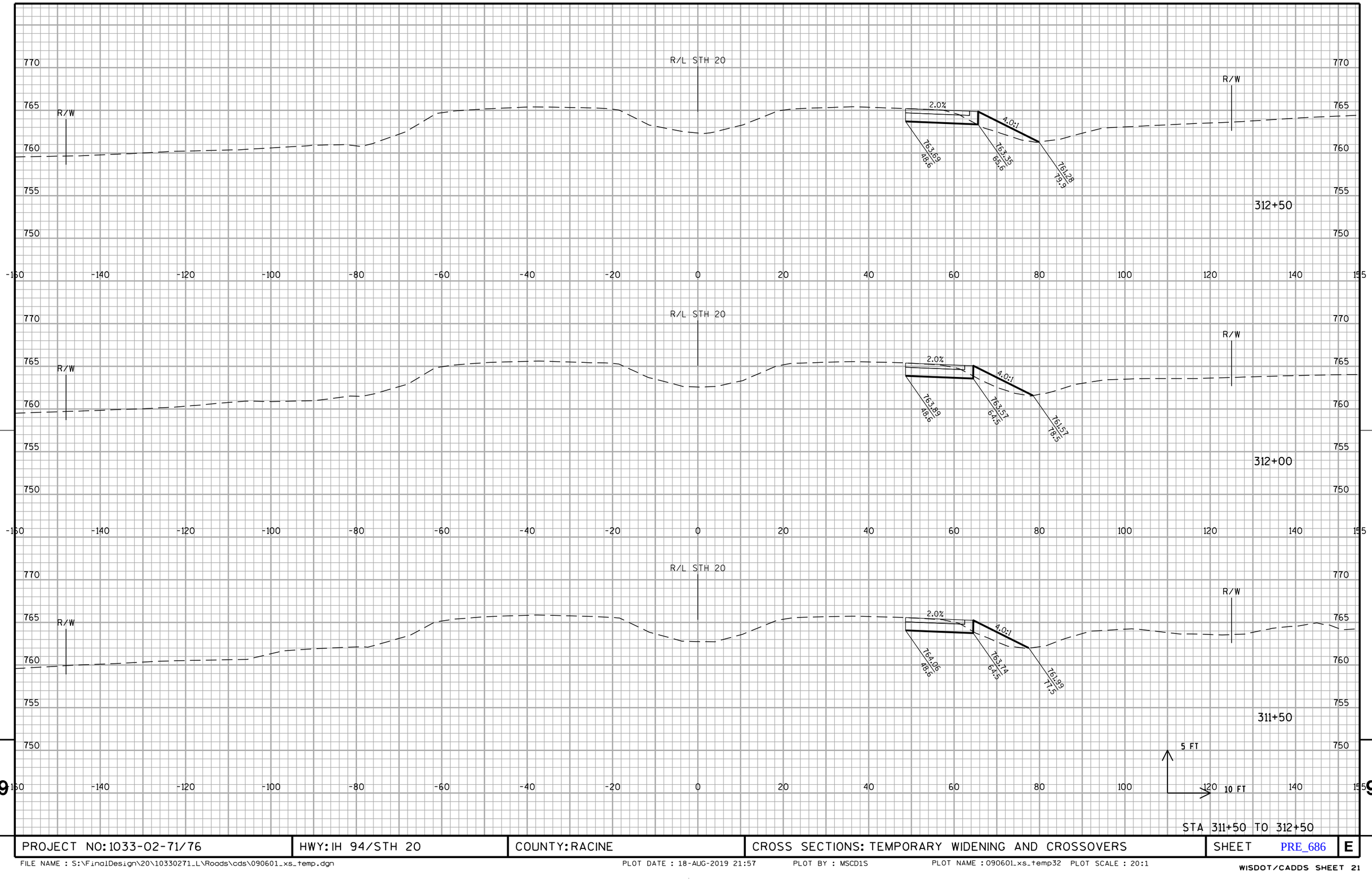
STA 310+00 TO 311+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_685	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp31 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

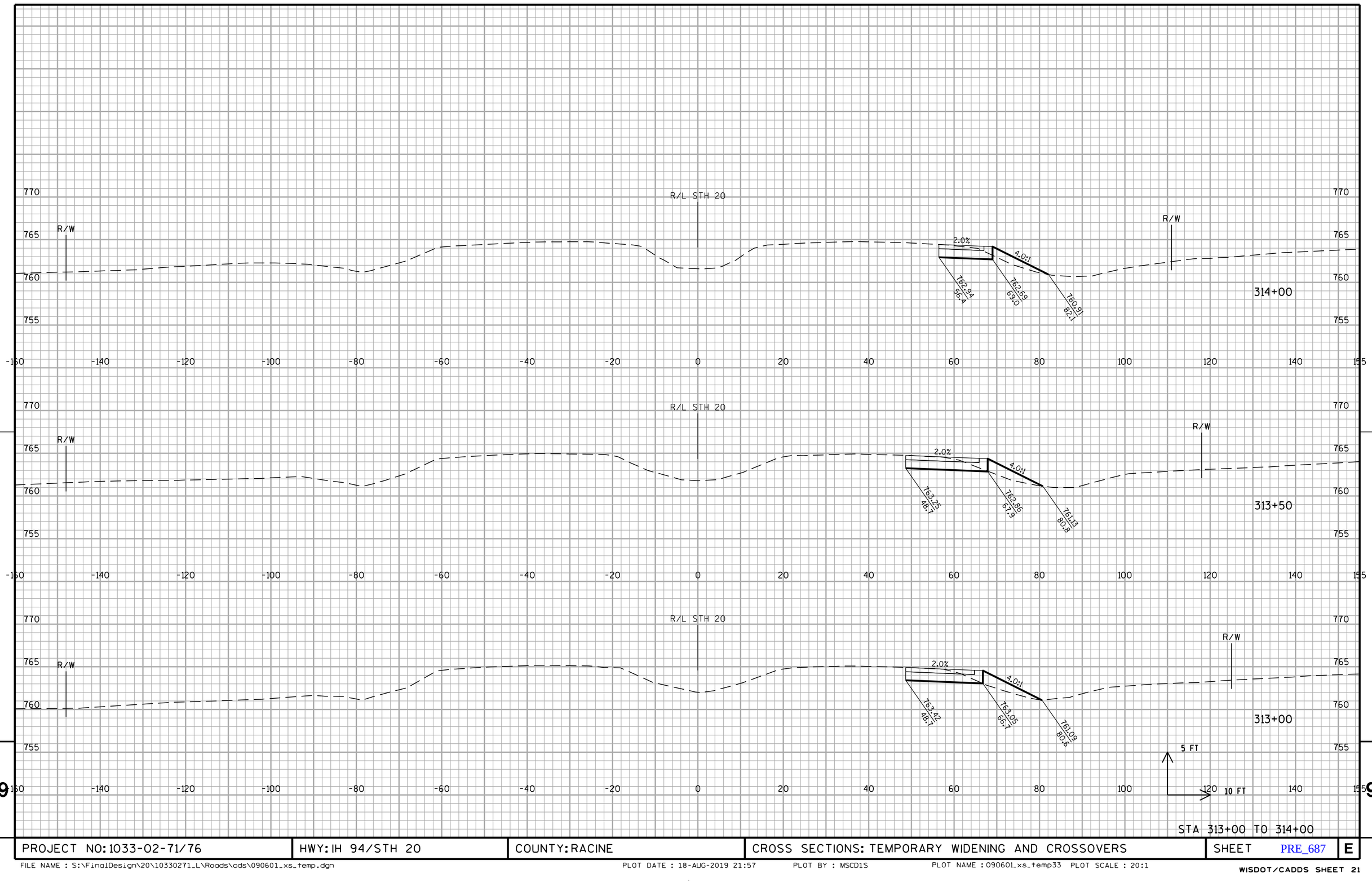


STA 311+50 TO 312+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_686	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp32 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



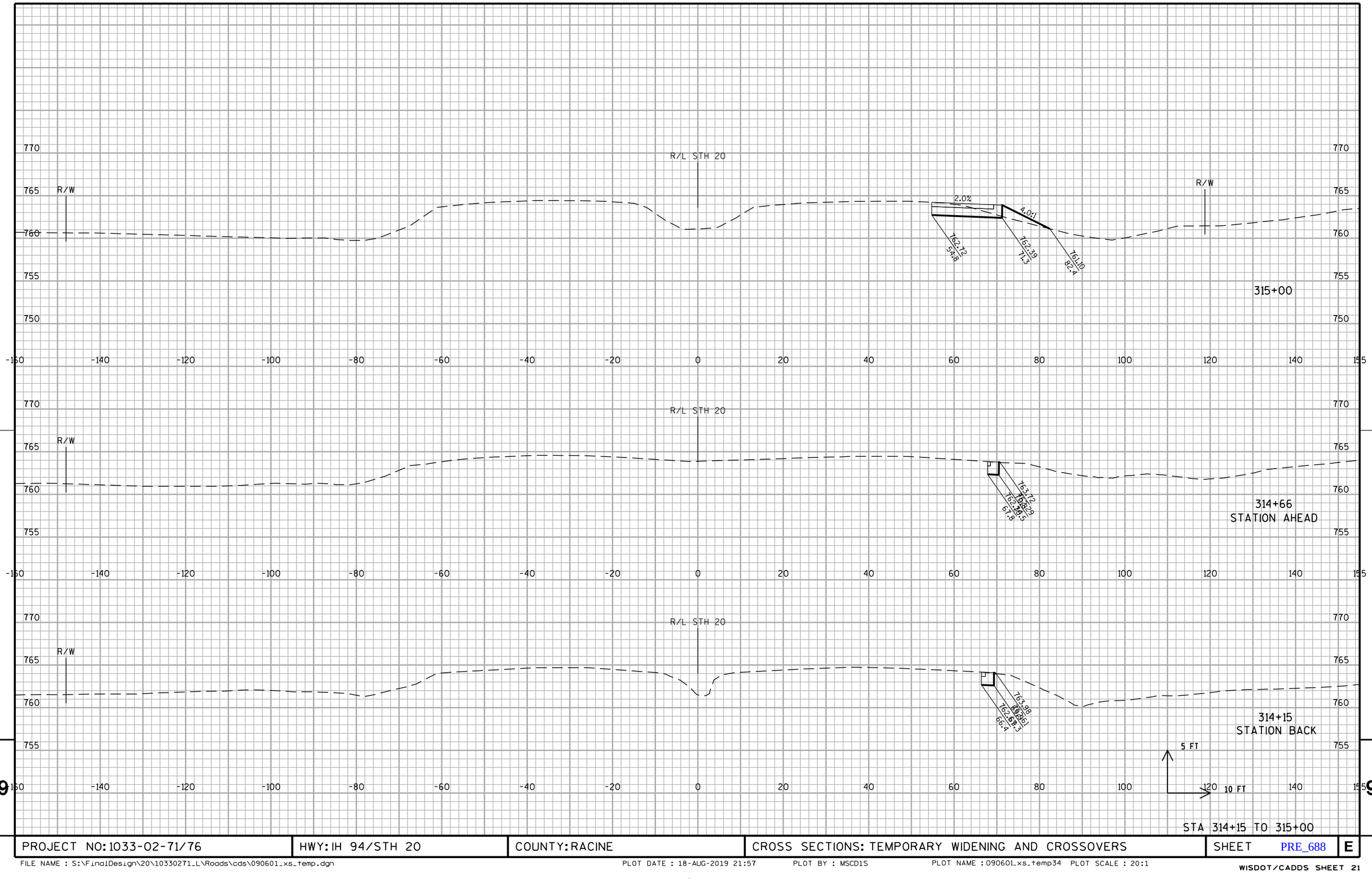
STA 313+00 TO 314+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_687	E

9 9

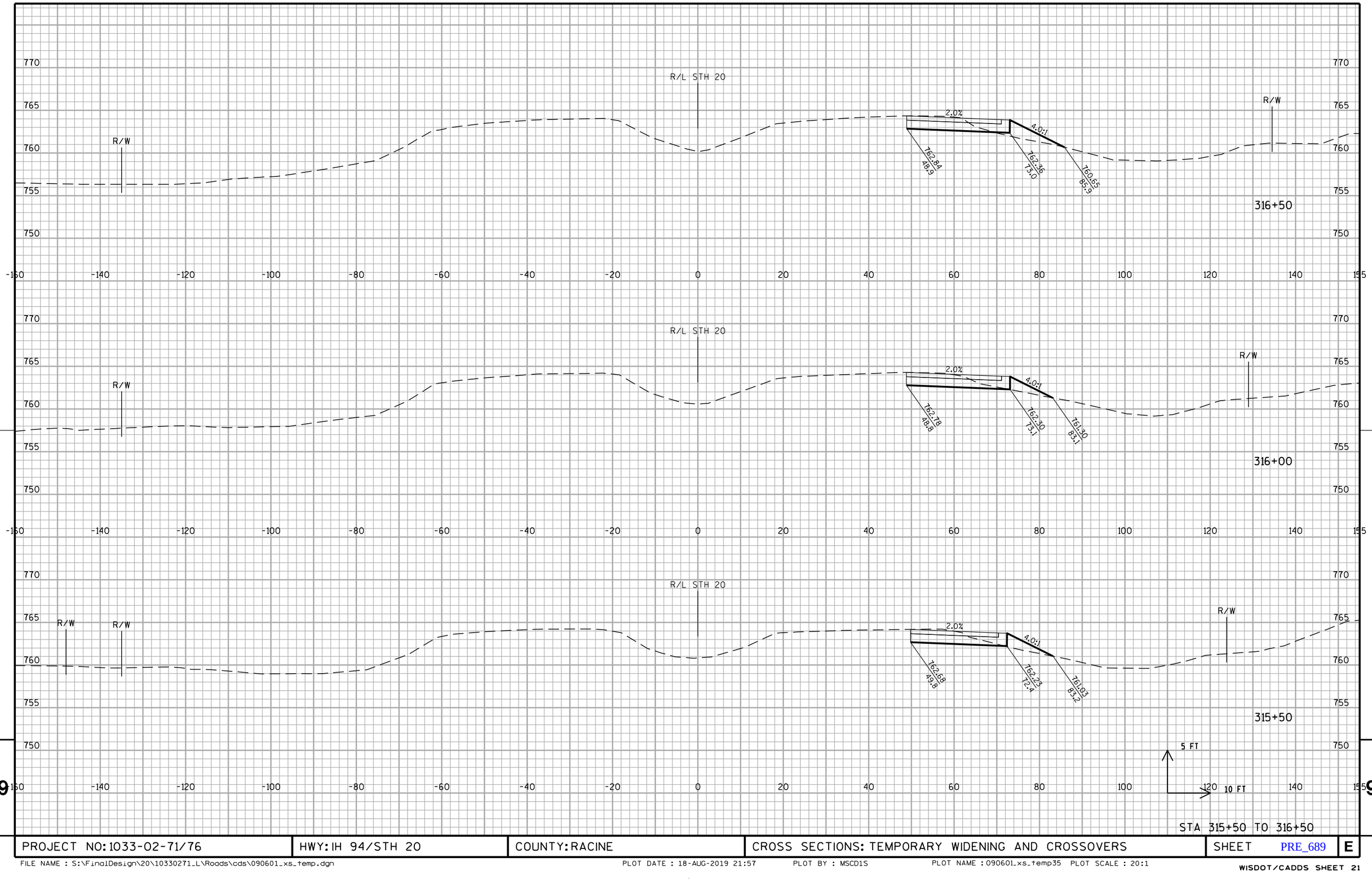
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp33 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_688	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp34 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



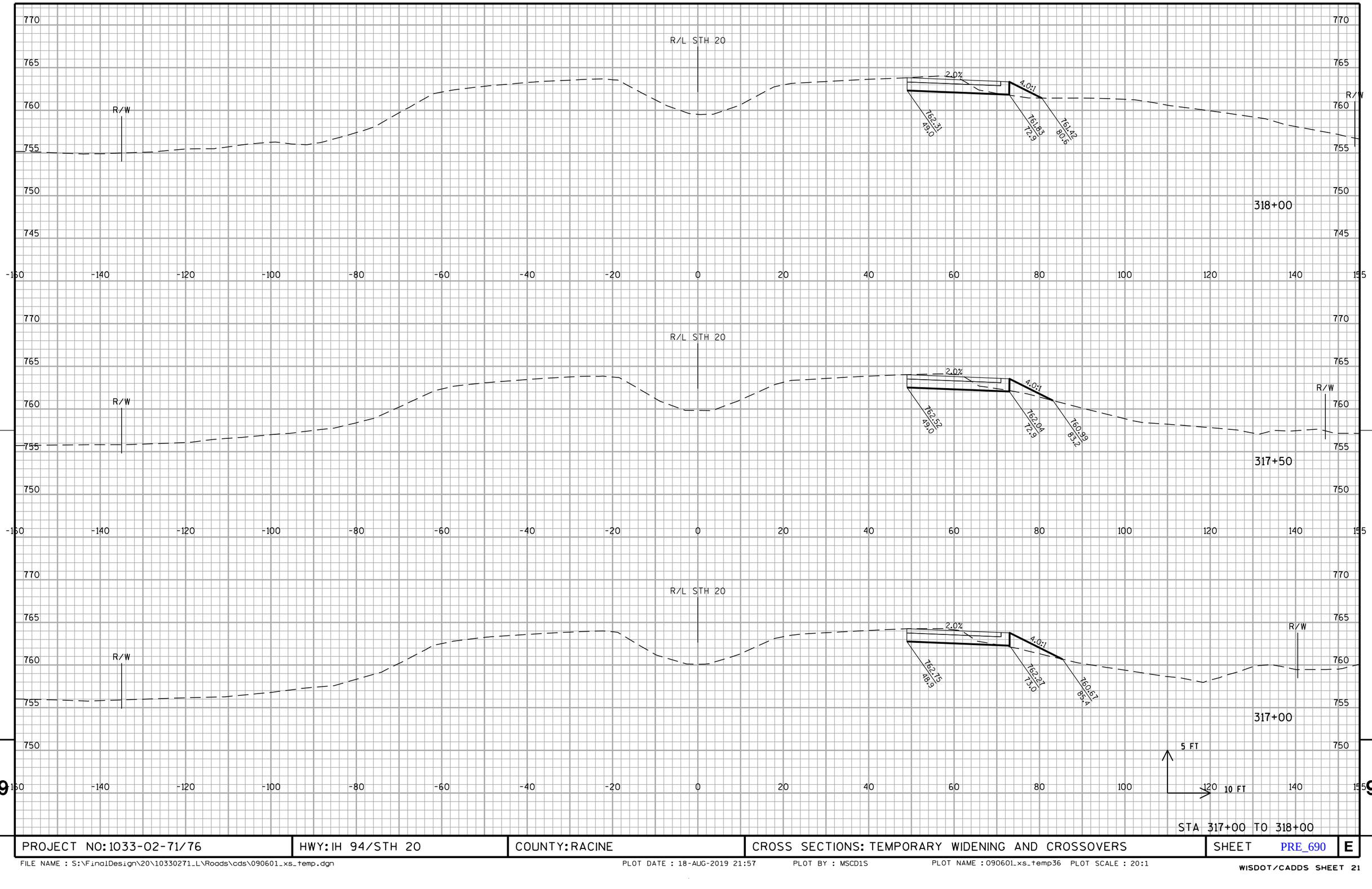
9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_689	E

STA 315+50 TO 316+50

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp35 PLOT SCALE : 20:1



9

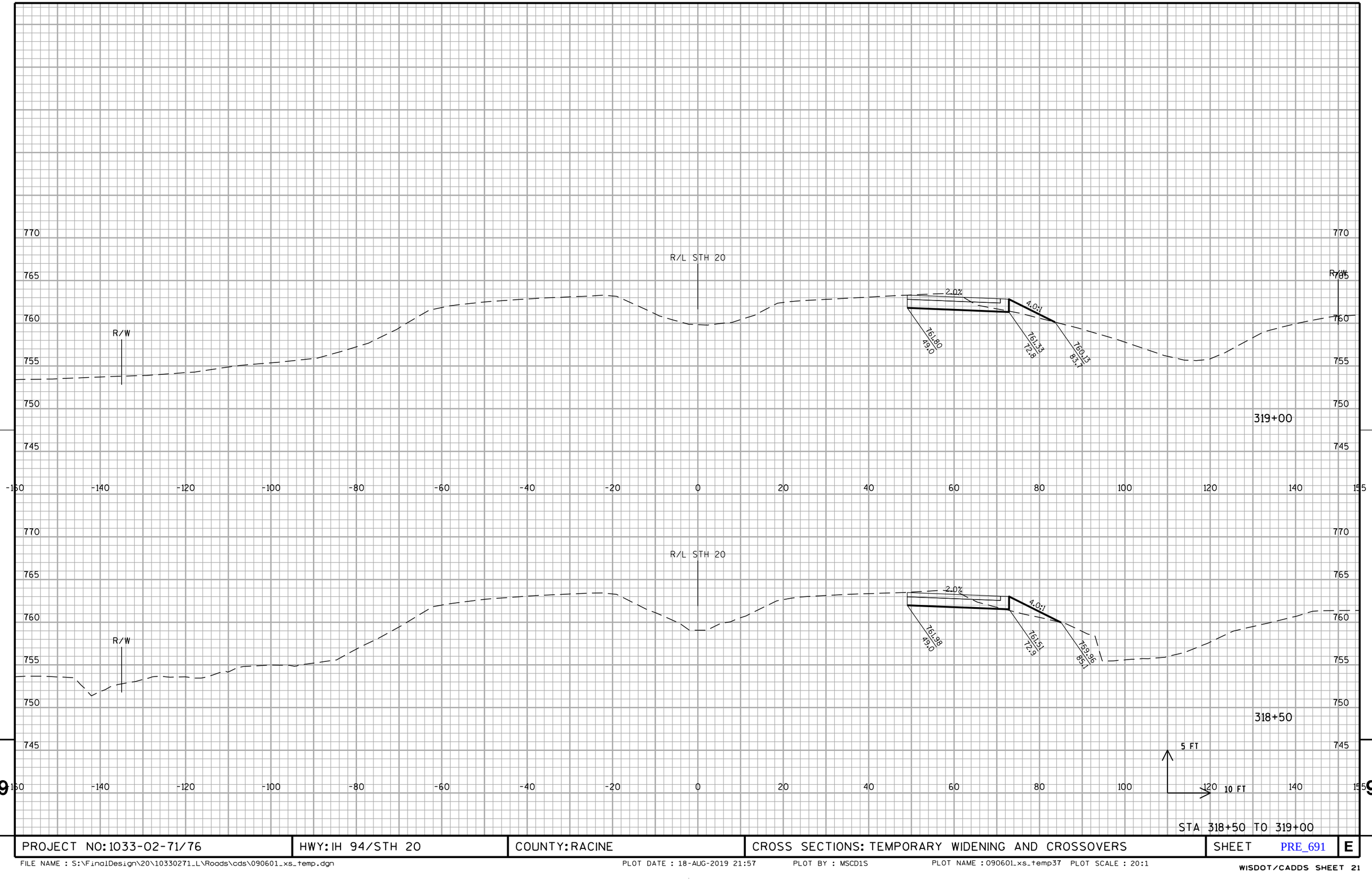
PROJECT NO: 1033-02-71/76 | HWY: IH 94/STH 20 | COUNTY: RACINE | CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS | SHEET PRE_690 | E

STA 317+00 TO 318+00

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp36 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 318+50 TO 319+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_691	E

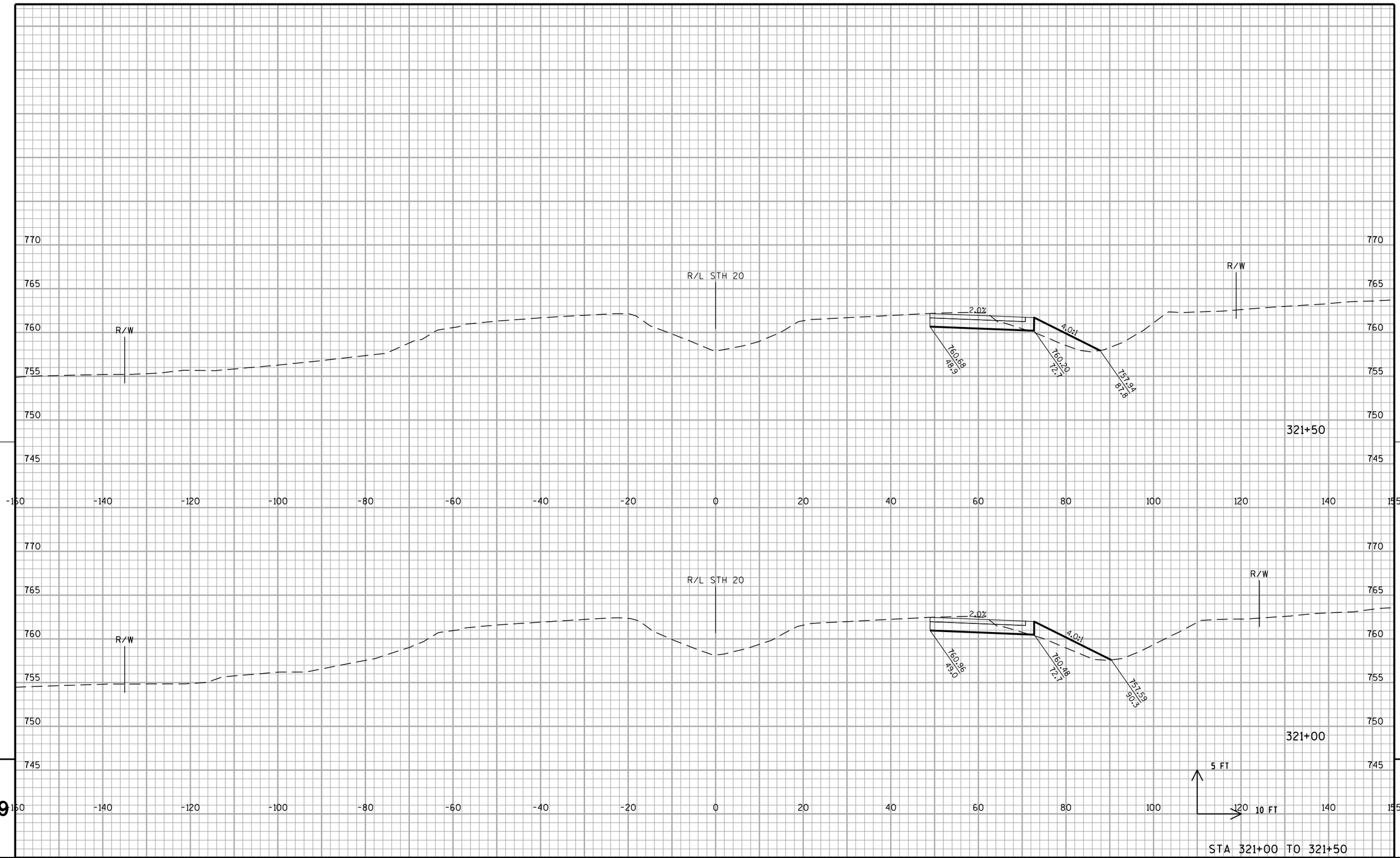
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp37 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_692	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp38 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

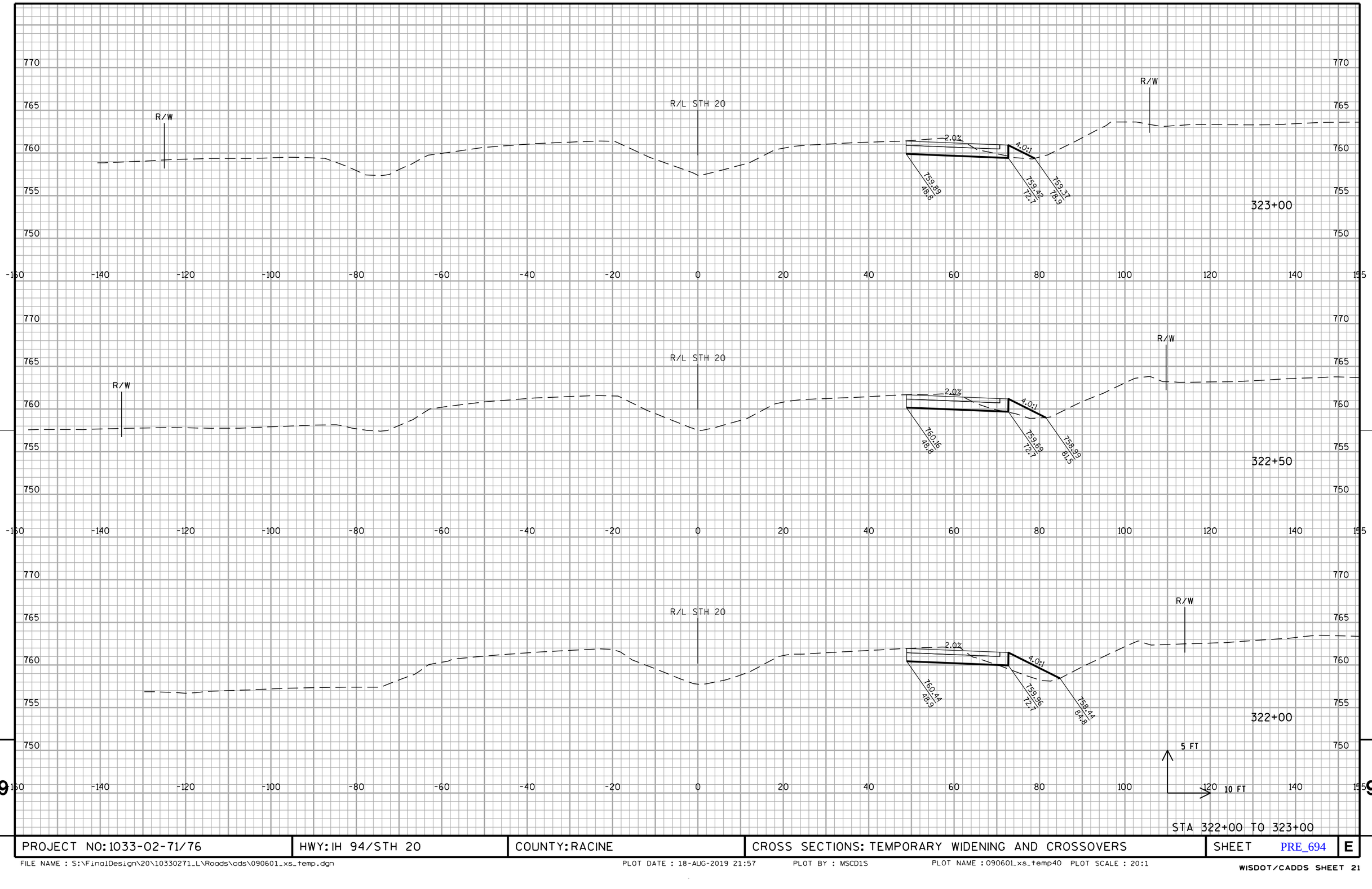


STA 321+00 TO 321+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_693	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp39 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

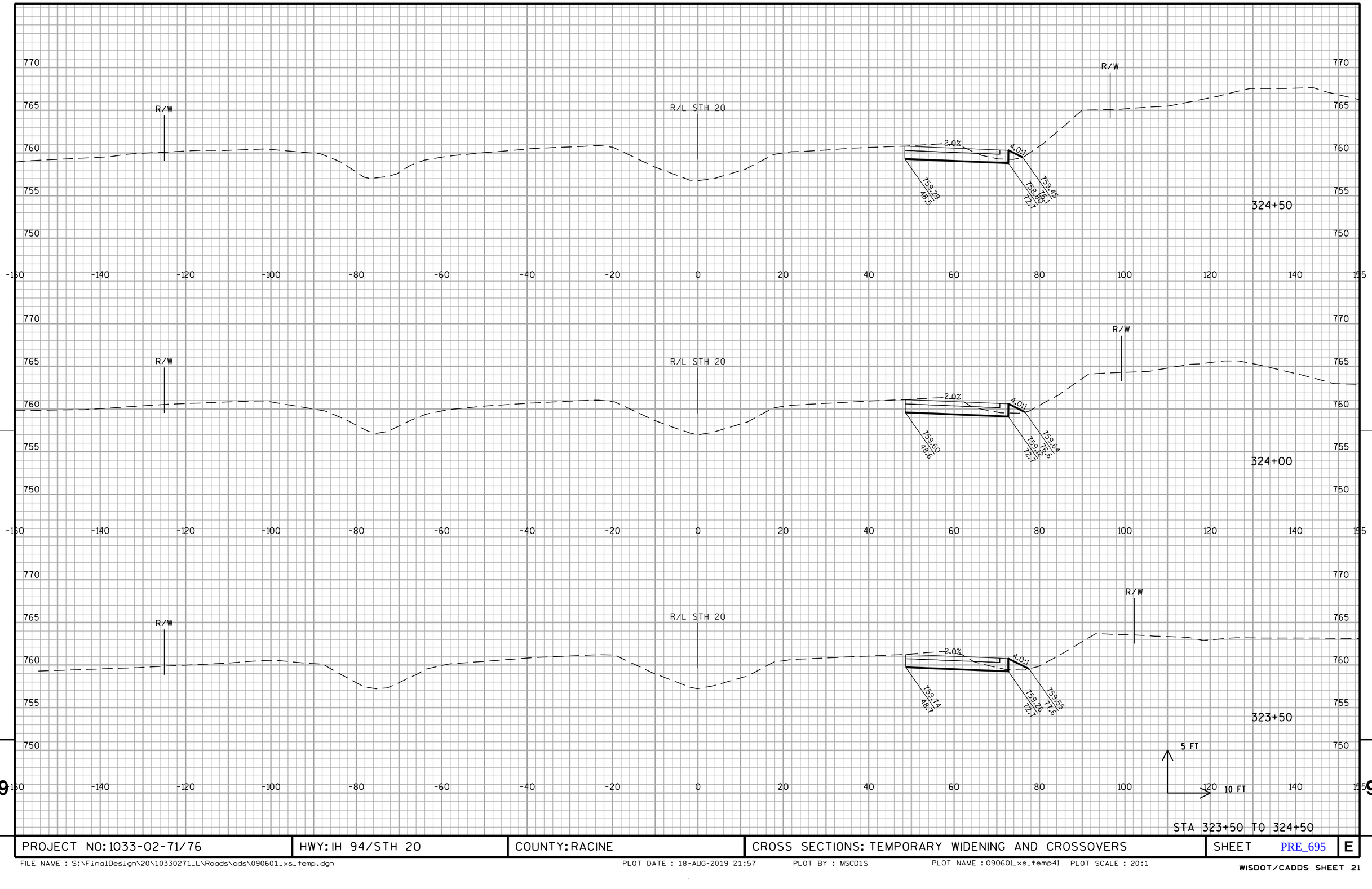
PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_694	E

STA 322+00 TO 323+00

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp40 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



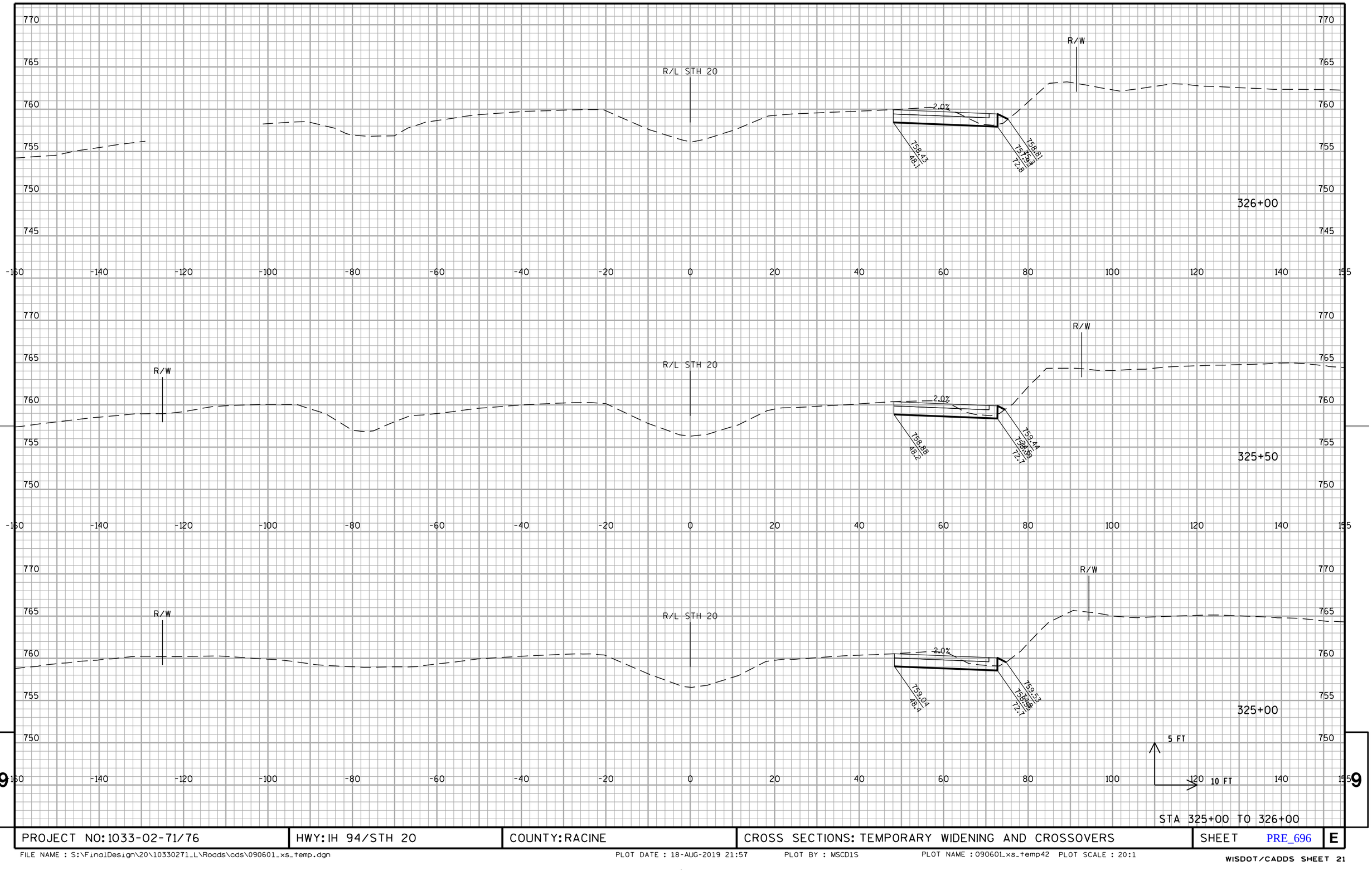
9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_695	E

STA 323+50 TO 324+50

9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp41 PLOT SCALE : 20:1



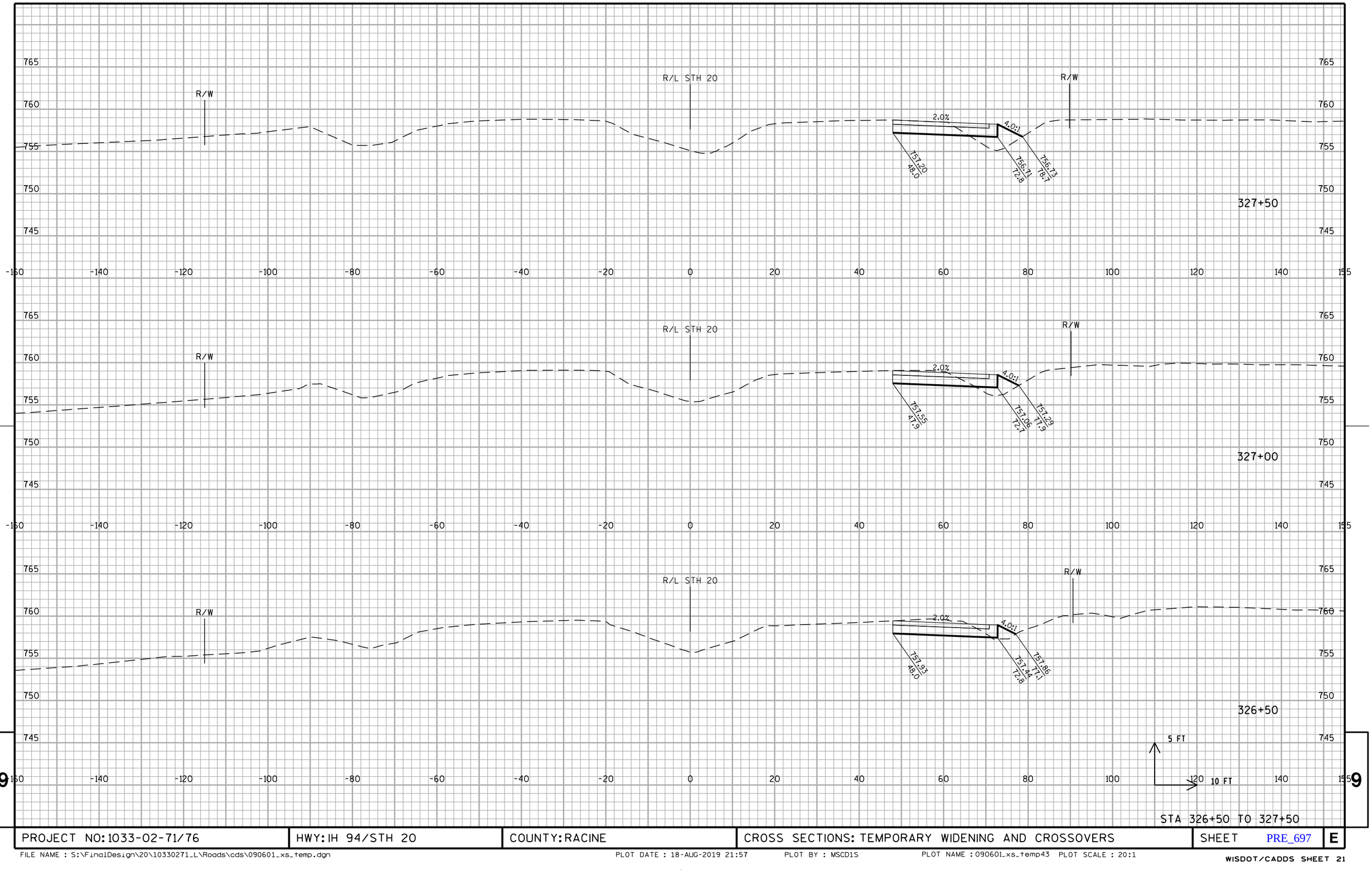
9

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_696	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp42 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9



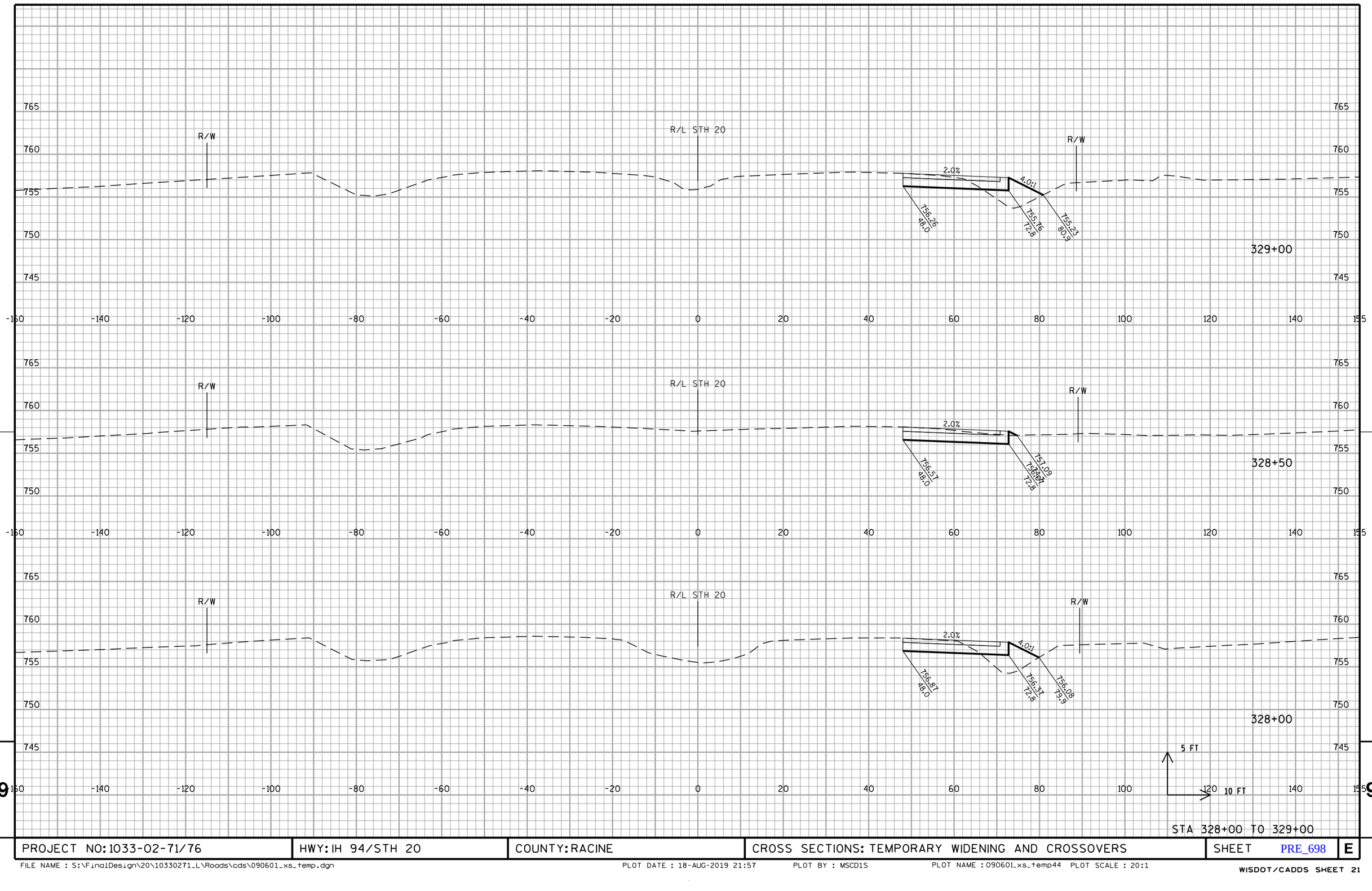
STA 326+50 TO 327+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_697	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp43 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

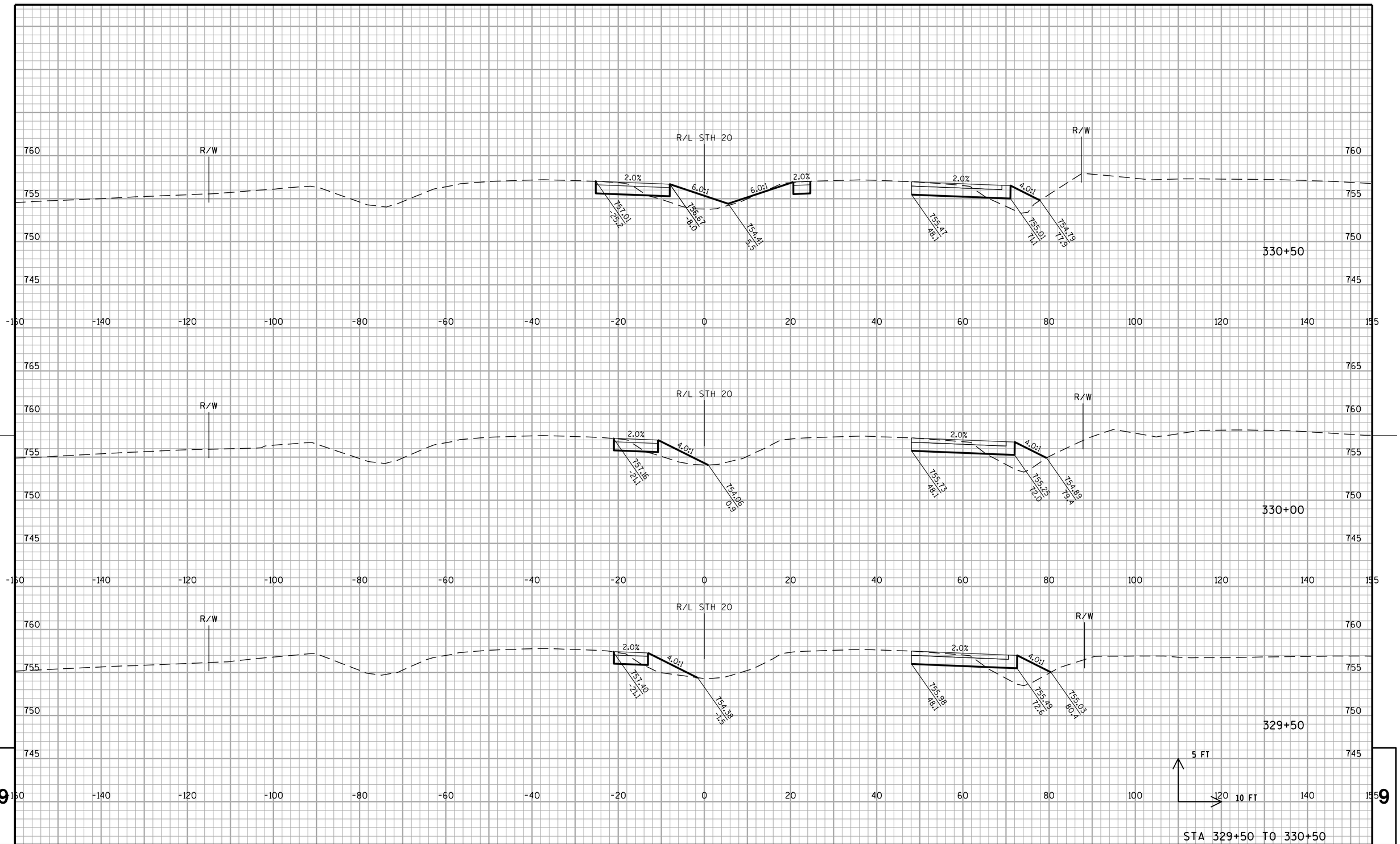


STA 328+00 TO 329+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_698	E

9 9

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp44 PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_699	E

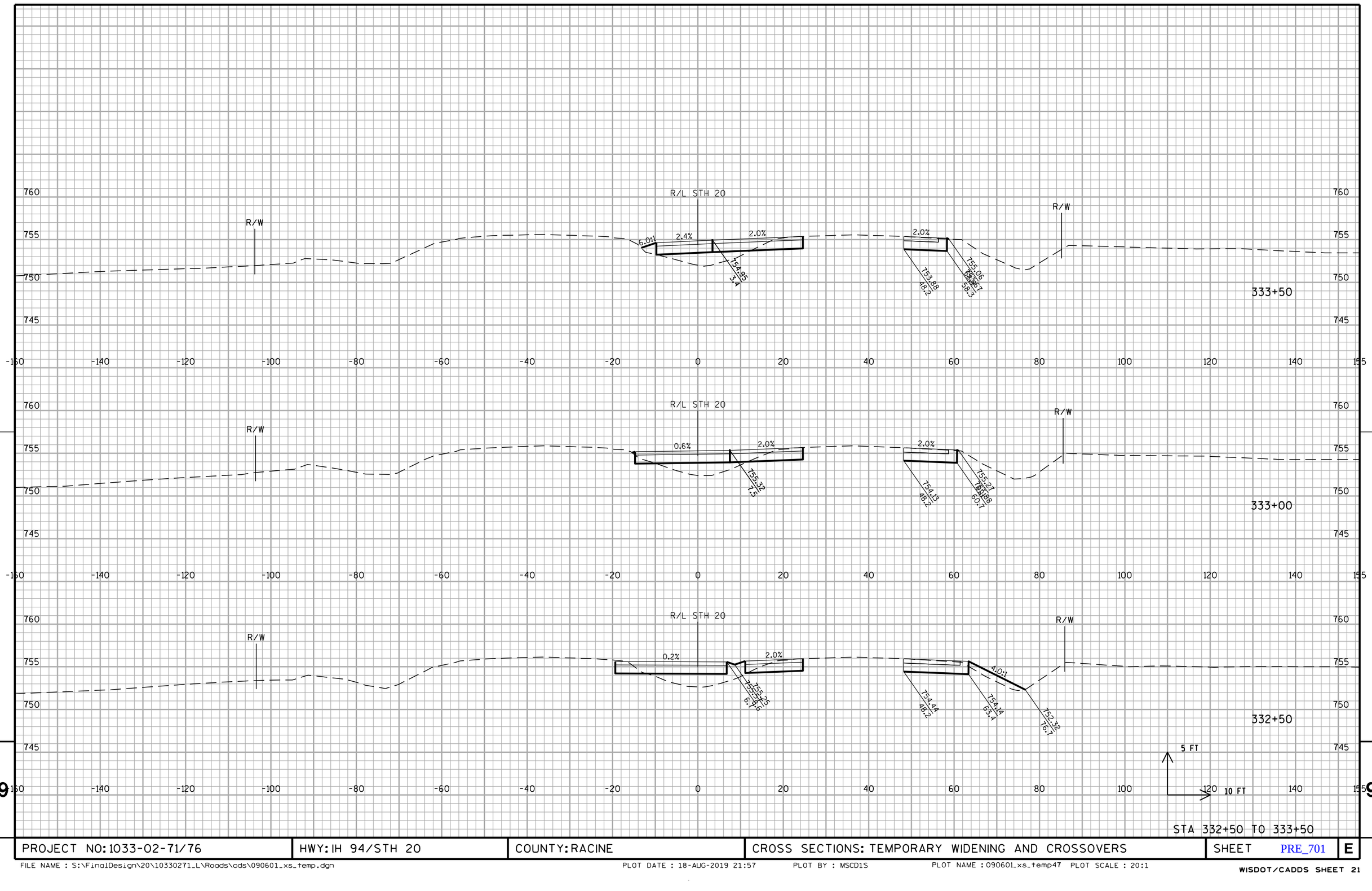
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp45 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_700	E

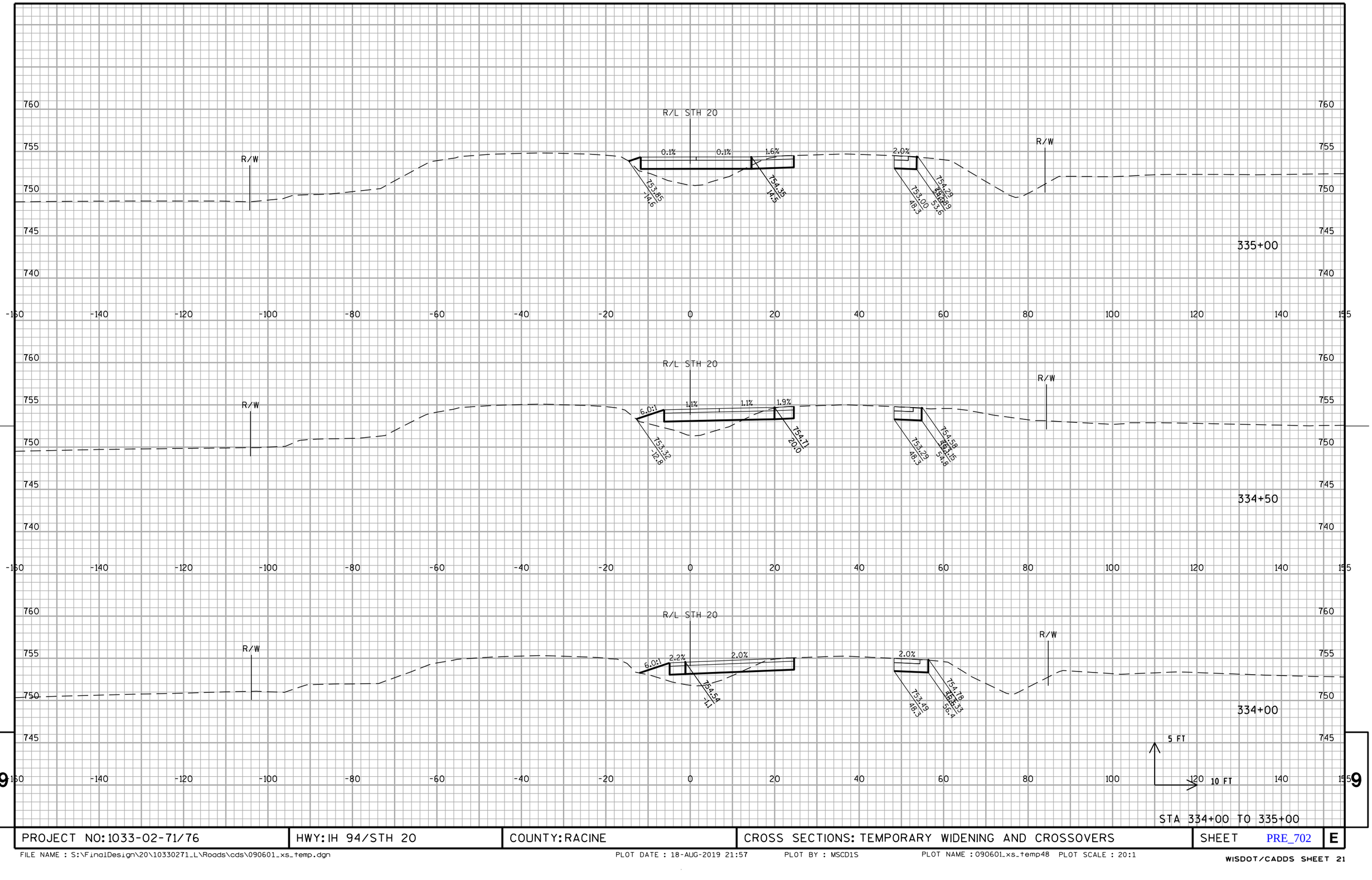
FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp46 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 332+50 TO 333+50

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_701	E

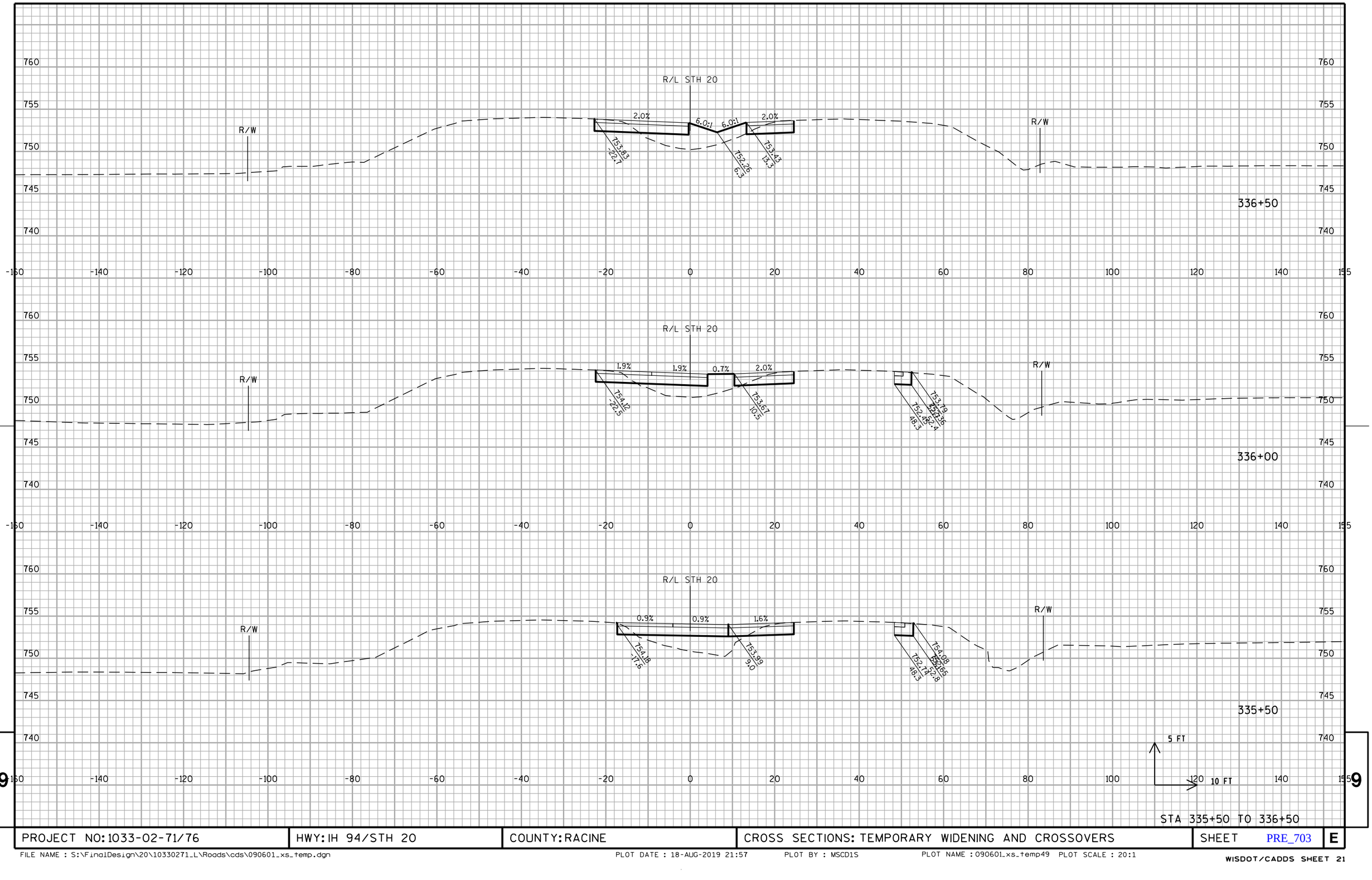


STA 334+00 TO 335+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_702	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp48 PLOT SCALE : 20:1

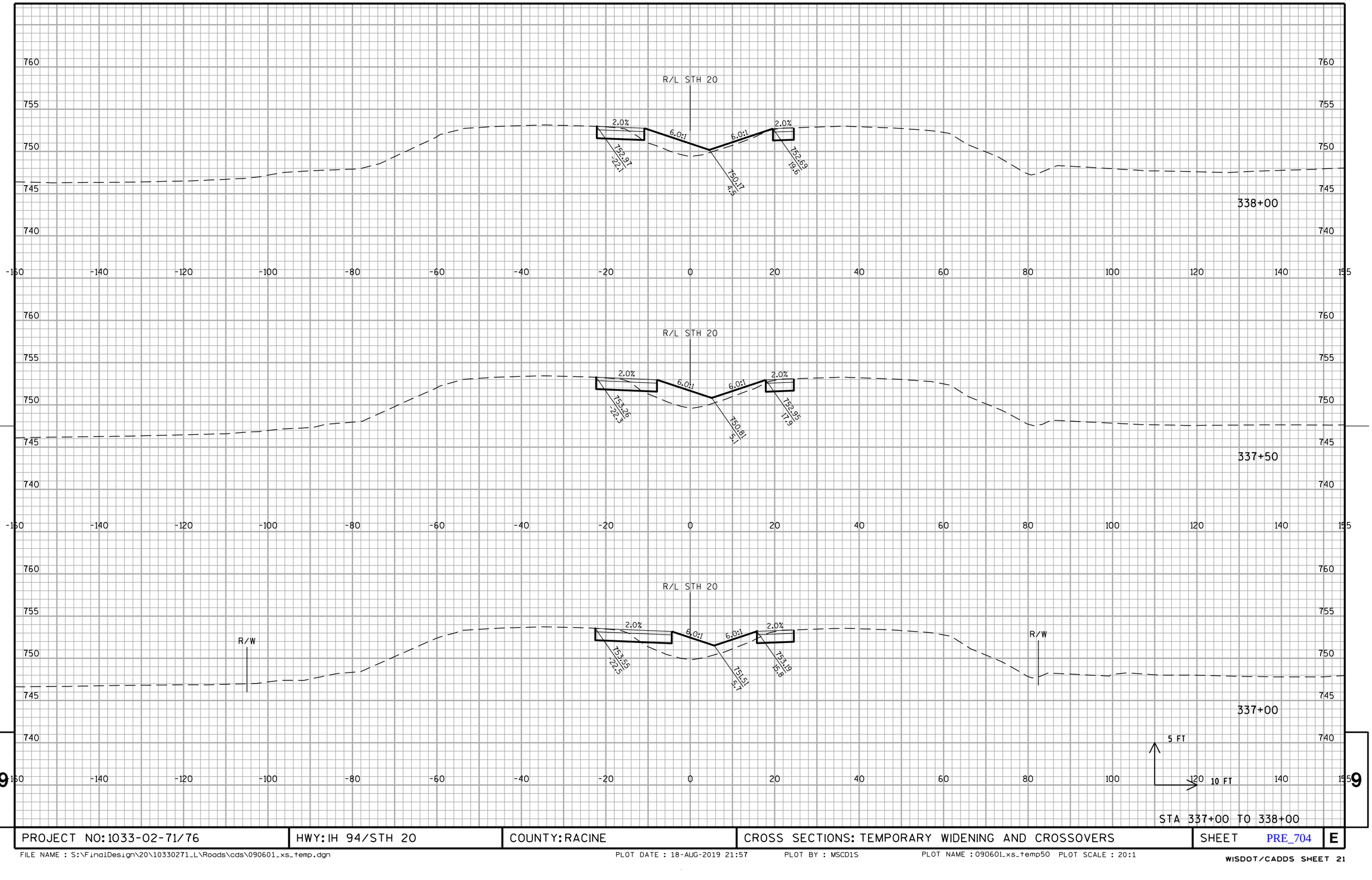
WISDOT/CADDS SHEET 21



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_703	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp49 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



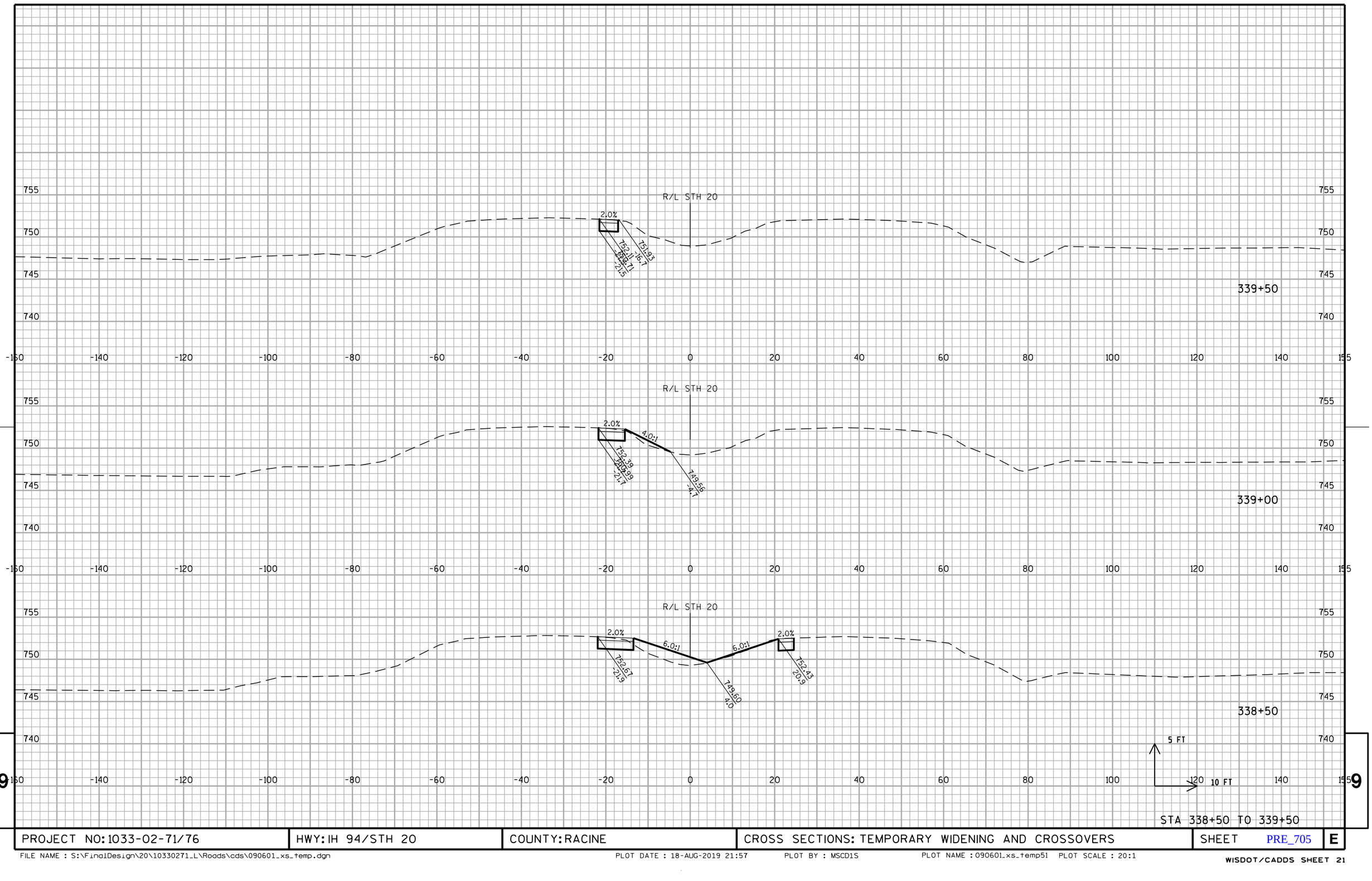
STA 337+00 TO 338+00

PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_704	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp50 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9



PROJECT NO: 1033-02-71/76	HWY: IH 94/STH 20	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY WIDENING AND CROSSOVERS	SHEET PRE_705	E

FILE NAME : S:\FinalDesign\20\10330271_L\Roads\cds\090601_xs_temp.dgn PLOT DATE : 18-AUG-2019 21:57 PLOT BY : MSCD1S PLOT NAME : 090601_xs_temp51 PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

R/L STH 20
2.0%
751.79
751.79
751.49
751.49
751.49

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

Notes

- Acrobat 5 or higher is required to Insert Preliminary Sheet Numbers.
- The Bureau of Highway Construction Plan Examiner places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (Preliminary_Sheet_Numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match the page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

Instructions for Using "DRAFT STAMP"

1) Insert this document as last page in PDF
Document > Pages > Insert
2) Create page template for stamp
a) Go to the last page in the PDF (the stamp)
b) Advanced > Forms > Page Templates...
c) Name: "DraftStamp" > Add (the name is case-sensitive)
3) Go back to this page and click on the "DRAFT STAMP" button
(won't allow if the "Select Object Tool" is selected;
"Hand Tool" will allow)

NOTE: If using in conjunction with placing sheet numbers,
place draft first (otherwise undesired placement can occur).

DRAFT STAMP

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove

TO PLACE QC REVIEWER FIELD

Place QC Field

TO REMOVE QC REVIEWER FIELD

Remove QC Field